naylor wentworth lund
architects
723 WEST PACIFIC AVENUE, SUITE 101 | SALT LAKE CITY, UT 84104

HYDE PARK ELEMENTARY SCHOOL

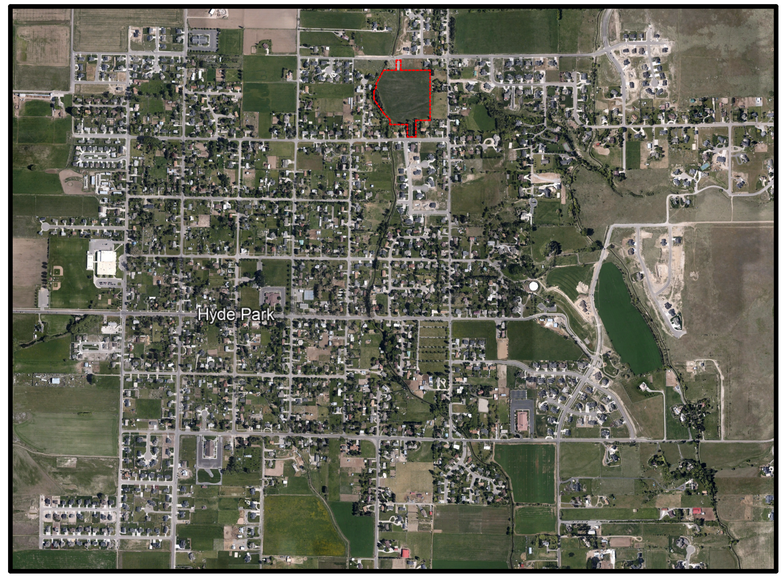
FOR

CACHE COUNTY SCHOOL DISTRICT

BID SET | 03/25/2025



CITY MAP



VICINITY MAP



PROJECT TEAM:

OWNER	ARCHITECT	CONTRACTOR	CIVIL	LANDSCAPE	STRUCTURAL	ELECTRICAL	MP	FOOD SERVICE
CACHE COUNTY SCHOOL DISTRICT 84 E. 2400 NO. NORTH LOGAN, UT 84341 435.752.3925 GARY THOMAS BRUCE PARKER	**NAYLOR WENTWORTH LUND ARCHITECTS** 723 PACIFIC AVE S SUITE 101 SALT LAKE CITY, UT 84104 801.355.5959 PROJECT ARCHITECT | JENNA LIDDELL PROJECT MANAGER | DIEGO GARRIDO	**DWA CONSTRUCTION** 76 WEST 2400 NORTH NORTH LOGAN, UTAH, 84321 435-752-6860 JENNIFER ANDERSON | PROJECT MANAGER	**CACHE LANDMARK ENGINEERING** 95 W GOLF COURSE RD SUITE 101 LOGAN, UT 84321 307-679-1709 LANCE ANDERSON | PROJECT MANAGER	**CACHE LANDMARK ENGINEERING** 95 W GOLF COURSE RD SUITE 101 LOGAN, UT 84321 307-679-1709 LANCE ANDERSON | PROJECT MANAGER	**BHB STRUCTURAL DESIGN & ENGINEERING** 2766 SO. MAIN STREET SALT LAKE CITY, UT 84115 801.355.5656 | bhbengineers.com JORDAN PERKS | PROJECT MANAGER	**BNA CONSULTING** 181 E. 5600 SO. #200 MURRAY, UT 84123 801.532.2196 | bnaconsulting.com DRAYTON BAILEY | PROJECT MANAGER	**VBFA ENGINEERS** 181 E. 5600 SO. #200 MURRAY, UT 84123 801.530.3148 | info@vbfa.com JED JENKINS | PROJECT MANAGER	**WSR ASSOCIATES** 2846 S 450 W BOUNTIFUL, UT, 84010 801-989-0112 ED REICH | PROJECT MANAGER

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CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE | BID SET
ISSUE DATE | 03/25/2025
NWL PROJECT | 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

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TA701	AUDIOVISUAL SIGNAL FLOW DIAGRAMS
TI111	MAIN LEVEL INTERCOM PLAN
TI121	SECOND LEVEL INTERCOM PLAN
Grand total: 304	

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
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ABBREVIATIONS LEGEND

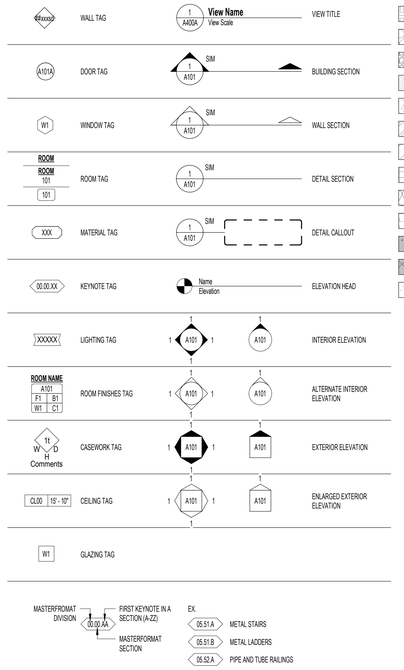
A	
A/C	AIR CONDITIONING
ACT	ACOUSTIC CEILING TILE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT
B	
BD	BOARD
BLDG	BUILDING
BO	BOTTOM OF
C	
C	CELSIUS
CF	CONTRACTOR FURNISHED
CG	CORNER GUARD
CI	CONTRACTOR INSTALLED/CONTINUOUS INSULATION
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CT	CERAMIC TILE
CTJ	CONSTRUCTION JOINT
D	
D	DEEP
DEG	DEGREE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWN SPOUT
DWGS	DRAWINGS
E	
EA	EACH
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
F	
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FDC	FIRE DEPARTMENT CONNECTION
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
FG	FINISH GRADE
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FND	FOUNDATION
FO	FINISHED OPENING
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FRG	FIBER REINFORCED GYPSUM

F (CONTINUED)	
FSP	FIRE STANDPIPE
FT	FEET
FV	FIELD VERIFY
G	
GA	GAUGE
GALV	GALVANIZED
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GL	GLASS
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIGH
HB	HOSE BIB
HDR	HEADER
HM	HOLLOW METAL
HP	HIGH POINT
HR	HOUR
HT	HEIGHT
I	
ID	INSIDE DIAMETER/INSIDE DIMENSION
IN	INCH
INFO	INFORMATION
INT	INTERIOR
J	
JAN	JANITOR
L	
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LPT	LOW POINT
M	
MAX	MAXIMUM
MFR	MANUFACTURER
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MO	MASONRY OPENING
MS	METAL STUD
N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER/OUTSIDE DIMENSION
OFD	OVERFLOW DRAIN
OHD	OVERHEAD DOOR
OPP	OPPOSITE
ORIG	ORIGINAL
P	
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLUMB	PLUMBING
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
R	
R	RISER/RADIUS
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN

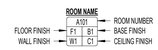
R (CONTINUED)	
REF	REFRIDGERATOR
REQD	REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
S	
S	SMOKE DETECTOR
SAM	SALF ADHESIVE MEMBRANE
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STD	STANDARD
STRUCT	STRUCTURAL
T	
T	TREAD
TEL	TELEPHONE
TEMP	TEMPORARY
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB/TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TO	TOP OF
U	
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	
W	WITH
W/O	WITHOUT
WD	WOOD
WH	WALL HYDRANT
WPT	WORKING POINT

K, X, Y, Z (NOT USED)

SYMBOL LEGEND

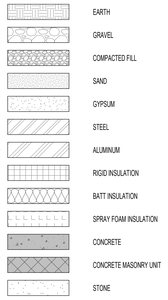


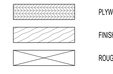
NWL-LEGEND - KEYNOTE SYMBOL
12" = 1'-0"



NWL-LEGEND - ROOM FINISHES SYMBOL
12" = 1'-0"

MATERIAL LEGEND





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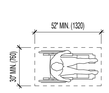
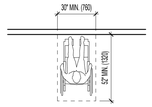
GENERAL INFORMATION

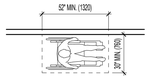
G003



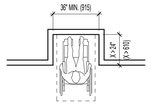
CLEAR FLOOR SPACE



FORWARD APPROACH



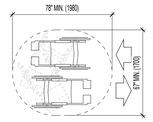
PARALLEL APPROACH



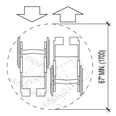
CLEAR FLOOR SPACE IN ALCOVE



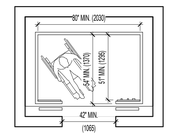
CLEAR FLOOR SPACE IN ALCOVE



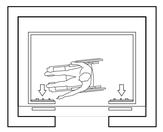
SPACE NEEDED FOR U-TURN



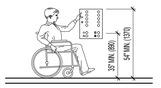
WHEELCHAIR TURNING SPACE



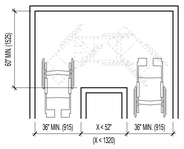
MINIMUM DIMENSIONS FOR ELEVATOR CENTER CAR



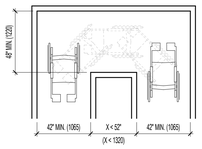
ALTERNATE LOCATIONS OF PANEL WITH CENTER OPENING CAR



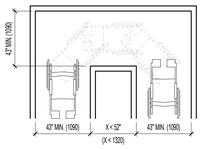
CAR CONTROL HEIGHT



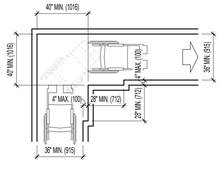
TURN AROUND (OPTION 1)



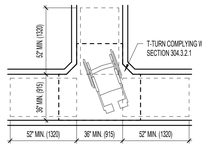
TURN AROUND (OPTION 2)



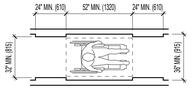
TURN AROUND (OPTION 3)



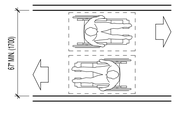
90° TURN



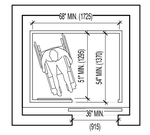
T-SHAPED SPACE FOR 180° TURNS



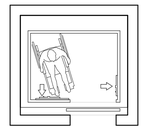
MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR



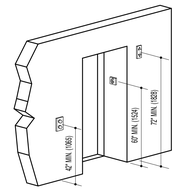
MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS



MINIMUM DIMENSIONS FOR ELEVATOR SIDE CAR



ALTERNATE LOCATIONS OF PANEL WITH SIDE OPENING CAR

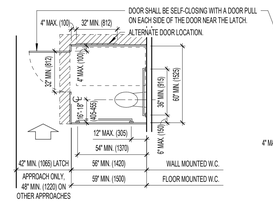


HOISTWAY AND ELEVATOR ENTRANCES

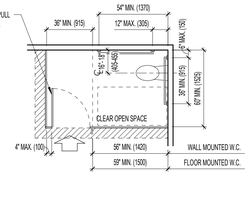
HOISTWAY SIGNAGE NOTE: FLOOR DESIGNATIONS SHALL BE PROVIDED IN RAISED CHARACTERS AND BRAILLE COMPLYING WITH SECTIONS 703.3 AND 703.4. RAISED CHARACTERS SHALL BE 2" (50MM) MINIMUM IN HEIGHT. FLOOR DESIGNATIONS SHALL BE LOCATED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. A RAISED STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

CLEARANCES AND CLEAR FLOOR SPACE REQUIREMENTS

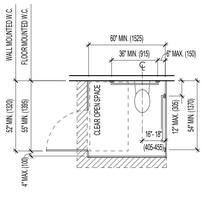
-NOT TO SCALE-



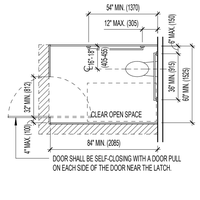
STANDARD STALL
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)



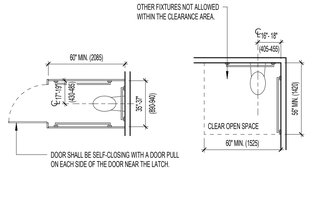
STANDARD STALL END OF ROW
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)



STANDARD STALL SIDE ENTRY
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)

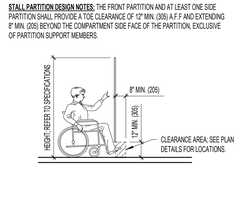


ALTERNATE STALL
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)

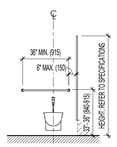


AMBULATORY STALL

CLEAR FLOOR SPACE AT W.C.
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)

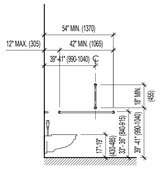


STANDARD TOE CLEARANCE



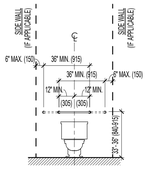
BACK WALL
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)

STANDARD STALL
REFER TO MOUNTING HEIGHTS ON SHEET G004 FOR FIXTURE LOCATIONS



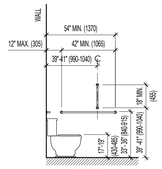
SIDE WALL
FLUSH CONTROL ALWAYS ON OPEN SIDE OF W.C., TYP. (U.N.O.)

STANDARD STALL
REFER TO MOUNTING HEIGHTS ON SHEET G004 FOR FIXTURE LOCATIONS



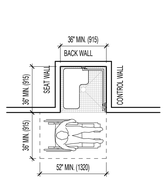
BACK WALL

GRAB BARS AT WATER CLOSETS (WC)
REFER TO MOUNTING HEIGHTS ON SHEET G004 FOR FIXTURE LOCATIONS

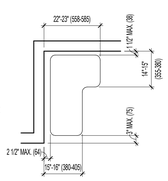


SIDE WALL

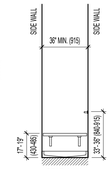
GRAB BARS AT WATER CLOSETS (WC)
REFER TO MOUNTING HEIGHTS ON SHEET G004 FOR FIXTURE LOCATIONS



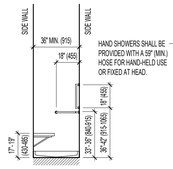
36" X 36" STALL SHOWER SIZE AND CLEARANCES



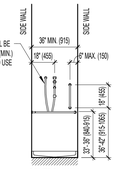
SHOWER SEAT



36" X 36" STALL SHOWER GRAB BARS



36" X 36" STALL SHOWER GRAB BARS

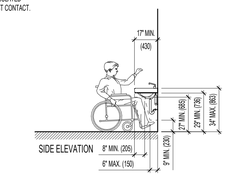


36" X 36" STALL SHOWER GRAB BARS

CLEARANCES AT ELEVATORS

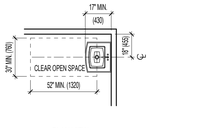
-NOT TO SCALE-

NOTE: WATER AND DRAIN PIPES BELOW THE LAVATORY ARE REQUIRED TO BE INSULATED OR ARRANGED TO PROTECT AGAINST CONTACT.



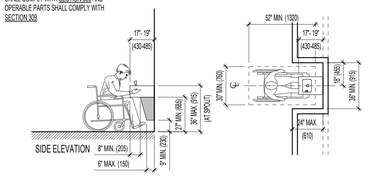
ACCESSIBLE LAVATORY KNEE AND TOE CLEARANCE

NOTE: IF A MINIMUM 9" HEIGHT OF TOE CLEARANCE IS PROVIDED, A MAXIMUM OF 6" OF THE 52" OF CLEAR FLOOR SPACE REQUIRED AT THE FIXTURE MAY EXTEND INTO THE TOE SPACE.

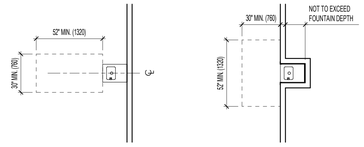


PLAN VIEW

NOTE: KNEE AND TOW SPACE CLEARANCE SHALL COMPLY WITH SECTION 306 AND OPERABLE PARTS SHALL COMPLY WITH SECTION 309



SPOUT HEIGHT AND KNEE CLEARANCE



CLEAR FLOOR SPACE IN ALCOVE

ACCESSIBLE LAVATORY CLEARANCE

CLEAR FLOOR SPACE

BUILT-IN FOUNTAIN OR COOLER

MANEUVERING CLEARANCES AT TOILETS

-NOT TO SCALE-

FRONT APPROACH SWINGING DOOR

FRONT APPROACH SWINGING DOOR

FRONT APPROACH SLIDING AND FOLDING DOORS

POCKET OR HINGE APPROACH SLIDING AND FOLDING DOORS

STOP OR LATCH APPROACH SLIDING AND FOLDING DOORS

LATCH SIDE APPROACH SWINGING DOOR

HINGE SIDE APPROACH SWINGING DOOR

LATCH APPROACH SWINGING DOOR

HINGE APPROACH SWINGING DOOR

FRONT APPROACH FRAMED OPENING

PULL SIDE PULL SIDE PUSH SIDE — SWINGING DOORS IN SERIES

PULL SIDE PUSH SIDE — SWINGING DOORS IN SERIES

PULL SIDE PUSH SIDE — SWINGING DOORS IN SERIES

FRONT APPROACH RECESSED SWINGING DOOR

FRONT APPROACH RECESSED SWINGING DOOR

FRONT APPROACH RECESSED SWINGING DOOR

MANEUVERING CLEARANCES AT DOORS AND OPENINGS

-NOT TO SCALE-

LAVATORY CLEARANCES

-NOT TO SCALE-

DRINKING FOUNTAIN CLEARANCES

-NOT TO SCALE-

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
WWL PROJECT	0118.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

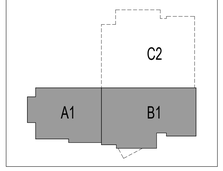
A.D.A. CLEARANCE REQUIREMENTS

G004



D1 G006 **LEVEL 01 CODE PLAN**
1/16" = 1'-0"

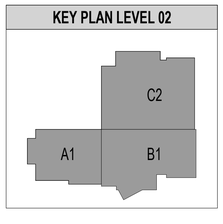
KEY PLAN LEVEL 01





A1 G005 **LEVEL 02 CODE PLAN**
1/16" = 1'-0"

KEY PLAN LEVEL 02



CODE ANALYSIS

2021 EDITION: IBC, IMC, IPC, IFC, IECC - 2017 EDITION: NEC 2020

OCCUPANCY	GROUP E
CONSTRUCTION TYPE	II-B (TBL 503)
HEIGHT	**35'-0"** AT LEVEL 1, **32'-0"** AT LEVEL 2
STORIES	2
OCCUPANCY SEPERATION	NO

FIRE PROTECTION

SPRINKLERED	YES
FIRE WALLS	YES
FIRE BARRIER	YES
FIRE PARTITION	NO
EXTERIOR WALL	NO

STAIRS ENCLOSURES — NOT REQUIRED

BUILDING AREA

LEVEL 1	23,610 SF
LEVEL 2	41,178 SF
TOTAL	64,788 SF

ALLOWABLE AREA PER FLOOR — TYPE II -B 43,500 SF — PER TABLE 506.2 SM E TYPE IIB

BUILDING AREA CALCULATION: NA

BUILDING AREA UNDER ALLOWABLE 43,500 SF

RATED CORRIDORS	NO - E OCCUPANCY > 30 PEOPLE W/ SPRINKLING (tbl. 1020.1)
MAX. TRAVEL DISTANCE	E OCCUPANCY W/ SPRINKLING - 250 FT (tbl. 1017.2)
COMMON PATH OF TRAVEL	E OCCUPANCY W/ SPRINKLING - 75FT (tbl. 1006.2.1)
DEADEND CORRIDOR	E OCCUPANCY W/ SPRINKLING - 50FT OR 2 1/2 TIMES LEAST WIDTH OF CORRIDOR (1020.4)
MEAN OF EGRESS SIZING	STAIRWAYS 0.3 INCH PER OCCUPANT - (1005.3.1) OTHER EGRESS COMPONENTS 0.2 INCH PER OCCUPANT - (1005.3.2

TOTAL INCHES OF EXITING REQUIRED* — 605 (MAIN LEVEL) + 1,642 (SECOND LEVEL) = 2,247 (BUILDING TOTAL) X .2" = 450" INCHES REQUIRED. 760" AVAILABLE

*CALCULATION OF TOTAL OCCUPANTS IS FOR THE ENTIRE BUILDING (LOADED TO FULL CAPACITY)

PLUMBING FIXTURES

OCCUPANT LOAD: MAIN LEVEL = 605
SECOND LEVEL = 1642
TOTAL = 2,247

FIXTURES REQUIRED: 1,388 / 2 = 694 PER GENDER
691/ 50 = 14 FIXTURES PER GENDER

FIXTURES PROVIDED:
WATER CLOSETS = 33 TOTAL
LAVATORIES = 33 TOTAL

*CALCULATION OF TOTAL OCCUPANTS FOR PLUMBING FIXTURES EXCLUDES MULTIPURPOSE ROOM

CODE ANALYSIS LEGEND

TRAVEL DISTANCE

COMMON PATH OF TRAVEL

DIAGONAL DIMENSION OF ROOM WITH TWO EXITS REQUIRED, AND DISTANCE BETWEEN TWO EXITS

1 HOUR FIRE BARRIER

SMOKE BARRIER PER IBC SECTION 709

1 HOUR FIRE RATED CEILING (UL DES L524)

REQUIRED EXIT WIDTH IN INCHES | EXIT WIDTH IN INCHES — 10 | 34

"**EXIT**" DEFINES DOORS USED IN CALCULATING TOTAL EXIT WIDTH REQUIRED FOR BUILDING OCCUPANCY — EXIT

OCCUPANT LOAD

ROOM # BY LEVEL
LOAD FACTOR FROM TABLE 1004.1.2
A101 | 100 SF | LF | OL
ROOM SQUARE FOOTAGE
OCCUPANT LOAD

FIRE EXTINGUISHER SCHEDULE

FE1 — SEMI-RECESSED WALL CABINET - REFER TO DETAILS 2/G201

FE2 — SURFACE MOUNTED HOOK 'K' TYPE - GENERAL USE - REFER TO DETAILS 2/G2012

FIRE EXTINGUISHER FIXTURES

MAIN LEVEL FIRE EXTINGUISHER PROVIDED:
FIRE EXTINGUISHER = 2 TOTAL (2 FE-1 / 0 FE-2)

SECOND LEVEL FIRE EXTINGUISHER PROVIDED:
FIRE EXTINGUISHER = 2 TOTAL (2 FE-1 / 1 FE-2)
(**5 IN TOTAL BUILDING**)

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET	03/25/2025
DRAWING ISSUE	01/16/202
ISSUE DATE	
WWL PROJECT	

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

CODE ANALYSIS

G005

A

B

C

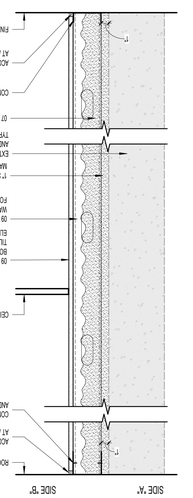
D

E

TYPE "A"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
A4	3.5IN"		45+9	
C4	3.5IN"	1 HR	45+9	
C6	6"	1 HR	45+9	
C8	8"	1 HR	--	

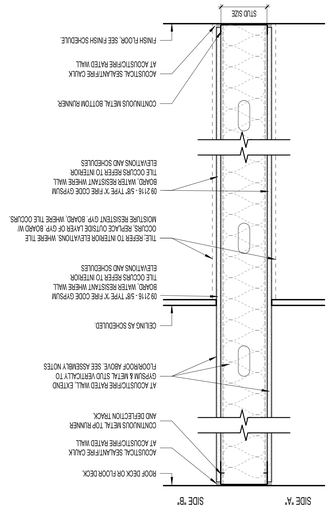
SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS



TYPE "C"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
C1	3.5IN"	1 HR	45+9	
C2	6"	1 HR	--	
C3	6"	1 HR	45+9	
C5	8"	1 HR	45+9	

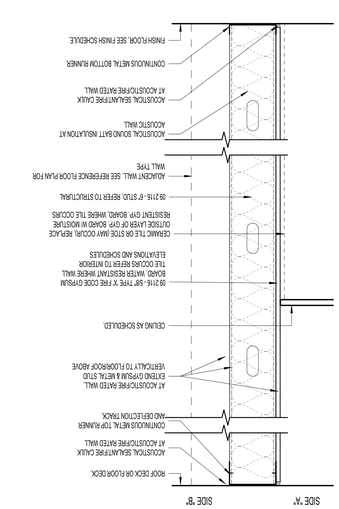
SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS



TYPE "D"

PARTITION TYPE	STUD SIZE	CMU SIZE	NOTES
M9		7.5IN"	

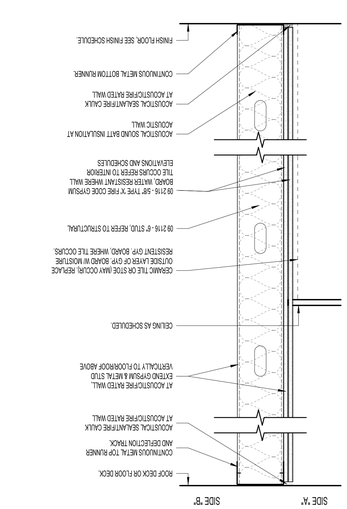
SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS



TYPE "E"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
F4	3.5IN"	1 HR	45+9	9ATTASS ACHEVED BACK TO BACK
F6	6"	1 HR	45+9	9ATTASS ACHEVED BACK TO BACK

SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS

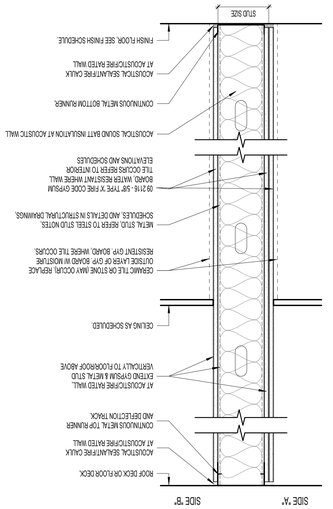


TYPE "G"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
G4	3.5IN"	--	44+7	
G6	6"	1 HR	44+7	

SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS

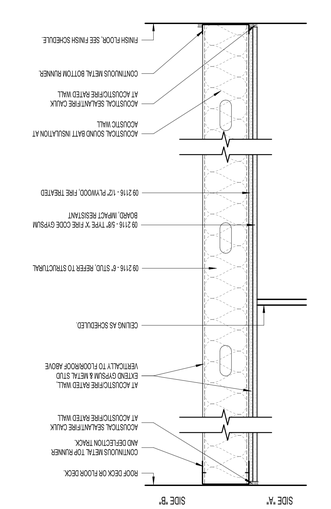
WALL TYPE BASED ON UL U419



TYPE "P"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
P1	3.5IN"		45+9	
P2	6"		45+9	9ATTASS ACHEVED BACK TO BACK

SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS



TYPE "SW"

PARTITION TYPE	STUD SIZE	FIRE RATING (IMERGE APPLICABLE)	STC RATING (IMERGE APPLICABLE)	NOTES
CW1	6"	1 HR	44+7	

SEE WALL ASSEMBLY NOTES FOR MOMPRED WALLS

WALL TYPE BASED ON UL U419

ASSEMBLY NOTES:

1 'Y' IN PARTITION / WALL TAG INDICATES THE WALL IS REMARED TO DECK ABOVE AND IS TO BE FIRE RATED. PROVIDE FIRE RATING AS DESCRIBED IN TABLE ABOVE. SEE ENLARGED PLANS FOR APPLICABLE LOCATIONS

2 'Y' IN PARTITION / WALL TAG INDICATES THE WALL IS REMARED TO DECK ABOVE AND IS TO BE SOUND RATED. PROVIDE SOUND RATING AS DESCRIBED IN TABLE ABOVE. SEE ENLARGED PLANS FOR APPLICABLE LOCATIONS

3 'A' IN PARTITION / WALL TAG INDICATES THE WALL IS REMARED TO DECK ABOVE.

WALL TYPES & DETAILS

G101

CACHE COUNTY SCHOOL DISTRICT

naylor wentworth lind
a r c h i t e c t s

HYDE PARK ELEMENTARY SCHOOL

333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE: BID SET
ISSUE DATE: 03/25/2025
NWL PROJECT: 0119.002

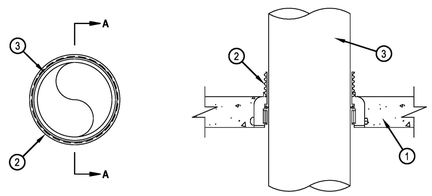


DATE	REVISION

NON-METALIC PIPE

System No. F-A-2053

F Rating — 2 Hr
T Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3)
W Ratings — Class 1 (See Items 3, 4 and 4A)



SECTION A-A

1. Floor Assembly — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete.
1A. Floor Assembly - (Optional - Not Shown) — The fire rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:
   A. Concrete — Min 2-1/2 in (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete.
   B. Steel Floor and Form Units* — Composite or non-composite max 3 in. (76 mm) deep galv steel fluted units as specified in the individual Floor-Ceiling Design.
2. Firestop Device* — Cast in place firestop device permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions. The 3, 4 and 6 in. devices may extend a max 2 in. (51 mm) above the top surface of the concrete. The max extension above the slab for the 2 and 2.5 in. devices is not restricted.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 680-75/2.5"N, CP 680-110/4"N, CP 680-160/6"N, CP 680-P 2", CP 680-P 3", CP 680-P 4", CP 680-P 6", CP 680-PX 2", CP 680-PX 3"
3. Through Penetrants — One nonmetallic pipe or conduit to be installed within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor assembly. For W Rating with Water Barrier Module, pipe shall be installed from bottom of device. The following types and sizes of nonmetallic pipes or conduits may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 6 in. (152 mm) diam (or smaller) SDR11 or SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
   C. Rigid Nonmetallic Conduit+ — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).

The firestop devices and nonmetallic penetrants shall be sized as follows:

Nom Pipe Diameter	Firestop Device
1/2 in. to 2 in. (19 mm to 51 mm)	CP 680-75/2.5"N CP 680-P 2" CP 680-PX 2"
3 in. (76 mm)	CP 680-P 3" CP 680-PX 3"
3 in. to 4 in. (76 mm to 102 mm)	CP 680-110/4"N CP 680-P 4"
6 in. (152 mm)	CP 680-160/6"N CP 680-P 6"

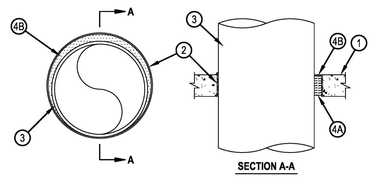
   ++ L Rating applies only to CP 680-P(X) devices and only when the nom diam of pipe equals size of device (2 in. diam pipe in 2" device etc.) L Rating does not apply to CP 680N devices.
4. Firestop Device* — (Not shown) -Top Seal Plug for use with CP 680-P(X) 2" device Installed in accordance with the manufacturer's instructions. The Top Seal Plug is optional for nom 1-1/2 in. (38 mm) pipes and conduits. Top Seal Plugs are required for all pipes and conduits less than nom 1-1/2 in. (38 mm). W Rating applies only to the IPS Top Seal Plug and nom 2 in. diam penetrants, and to CPS Top Seal Plugs with nom 1/2 to 2 in. (13 to 51 mm) diam penetrants.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CPS and IPS Top Seal Plugs
4A. Firestop Device* - Water Barrier Module — (Optional, Not Shown) - Used as an alternate to the top seal plug (Item 4). Applies to nom 2", 3", 4" and 6" water barrier modules used in combination with the CP 680-P(X) 2", CP 680-P(X) 3", CP 680-P 4" CP 680-P 6" devices, respectively, and supplied by device manufacturer. Module is threaded onto top of device. W Rating applies only when water barrier module is used and nom diam of penetrant equals size of device.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — Water Barrier Module

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
+Bearing the UL Listing Mark

METALIC PIPE / CONDUIT

System No. C-AJ-1226

F Rating - 3 Hr
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



SECTION A-A

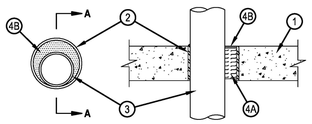
1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 32 in. (813 mm).
2. Metallic Sleeve — (Optional) Nom 32 in. (813 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall.
2A. Sheet Metal Sleeve — (Optional) Max 6 in. (152 mm) diam, min 26 ga. galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.
2B. Sheet Metal Sleeve — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.
3. Through-Penetrant — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit.
   F. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete or sleeve/ pipe penetrant interface on the top surface of floor and on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

METALIC PIPE / CONDUIT

System No. C-AJ-1421

F Rating - 2 or 3 Hr
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - Less Than 1 CFM/Sq Ft



SECTION A-A

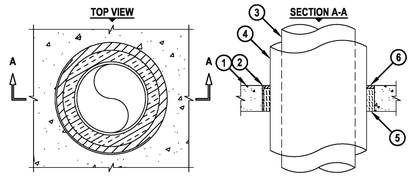
1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve — (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through-Penetrant — One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (point contact) to max 5-3/8 in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel conduit.
   F. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* - Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location on the top surface of floor and on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG, CFS-S SIL SL, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP604 Self-Leveling Firestop Sealant. CP604 and CFS-S SIL SL shall be used in floor applications only.
   When CP604, CFS-S SIL GG or CFS-S SIL SL (floors only) is used, F Rating is 2 Hr.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

PIPE WITH INSULATION

System No. C-AJ-5091

F Rating - 2 Hr
T Rating - 0 or 1 Hr (See Note No. 5 Below)
L Rating At Ambient - 4 CFM/Sq Ft
L Rating At 400 F - Less Than 1 CFM/Sq Ft



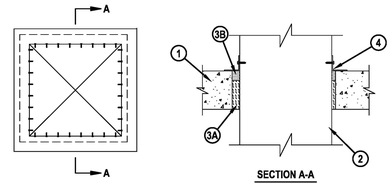
1. Concrete Floor or Wall Assembly (2-Hr. Fire-Rating):
   A. Lightweight or normal weight Concrete Floor or Wall (Minimum 4-1/2" thick).
   B. Any UL/cUL Classified Concrete Block Wall Assembly.
2. [Optional] Any of the following steel Sleeves may be used:
   A. Maximum 30" Nominal diameter Steel Pipe Sleeve (Schedule 10 or heavier) may extend maximum 3" above Floor, or both surfaces of Wall.
   B. Maximum 6" (min. 26 ga.) diameter galvanized steel Sleeve with square flange spot welded to bottom of sleeve and sized minimum 2" larger than sleeve diameter. Sleeve may extend maximum 1" above top of surface of Floor.
3. Penetrating Item to be one of the following:
   A. Maximum 12" nominal diameter Steel Pipe (Schedule 10 or heavier).
   B. Maximum 12" nominal diameter cast or ductile Iron Pipe.
   C. Maximum 6" nominal diameter Copper Pipe or Tubing.
4. Minimum 1/2" to maximum 2" Thickness Glass-Fiber Pipe Insulation or maximum 2" thickness Calcium Silicate Pipe Insulation (see note no. 3 below).
5. Minimum 4" thickness Mineral Wool (min. 4 pcf density) tightly packed and recessed to accommodate Sealant.
6. Minimum 1/2" depth Hilti FS-One Max Intumescent Firestop Sealant.

Notes:
1. Maximum diameter of Opening = 29".
2. Annular Space = Minimum 1/2", Maximum 12".
3. When Calcium Silicate Pipe Insulation is used, secure Insulation to Pipe with Stainless Steel Bands or minimum 8 awg Stainless Steel Wire at max. 12"O.C.
4. Minimum 1/2" depth Hilti FS-One Max Intumescent Firestop Sealant is required on both sides of a Wall Assembly.
5. When Pipe Insulation thickness is less than 2", T-Rating is 0 Hr.

DUCT OPENING

System No. C-AJ-7051

F Rating - 3 Hr
T Rating - 1 Hr



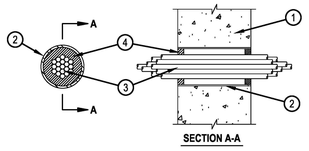
1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor or min 5-1/2 in. (140 mm) thick lightweight on normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 1024 in. sq (6606 cm2) with a max dimension of 32 in. (813 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Duct — Nom 30 by 30 in. (762 by 762 mm) by No. 24 gauge (or heavier) galv steel duct. One steel duct to be positioned within the firestop system. The annular space shall be min 1/4 in. (6 mm) to max 1-3/4 in. (44 mm). Duct to be rigidly supported on both sides of floor or wall assembly.
2A. Coated Duct* — As an alternate to Item 2, nom 30 by 30 in. (762 by 762 mm) (or smaller) steel air duct; duct supplied coated with BW11 coating material. One duct to be installed within the firestop system with an annular space of min 1/4 in. (6 mm) to max 1-3/4 in. (44 mm). Duct sections shall be assembled using bolted flanges or SMACNA approved Transverse Joint Reinforcements. Duct to be rigidly supported on both sides of the floor or wall assembly.
   FIRESPRAY INTERNATIONAL LTD — FLAMEBAR BW11 FIRE RATED DUCTWORK
3. Firestop System — The firestop system shall consist of the following:
   A. Packing Materials — Min 3-1/2 in. (89 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form between the bare steel duct and the periphery of the opening. Packing material to be recessed from top surface of floor or both surfaces of wall as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 606 Flexible Firestop Sealant, FS-ONE Sealant or FS-ONE MAX Intumescent Sealant
4. Steel Retaining Angle — Nom 2 in. by 2 in. (51 by 51 mm) by No. 16 gauge (or heavier) steel angles attached to all four sides of the steel duct or coated duct on the top surface of floor or both surfaces of the wall. The angles shall be attached with No. 8 (or larger) steel sheet metal screws spaced max of 1 in. (25 mm) from each end and a max of 3 in. (76 mm) OC.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

CABLES

System No. W-J-3060

F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr
L Rating At Ambient - 15 CFM/Sq Ft
L Rating At 400 F - 8 CFM/Sq Ft



SECTION A-A

1. Wall Assembly — Min 4-3/4 in. and 6 in. (121 and 152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete for 1 and 2 hr ratings , respectively. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in (102 mm). Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve — (Options) – Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) of Schedule 5 (or heavier) steel pipe or min 0.016 thick (28 MSG or 0.4 mm) galv steel sleeve friction fit or cast into wall flush with wall surfaces. When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces. As an option when Schedule 5 steel pipe or EMT is used, sleeve may extend continuously beyond one wall surface.
3. Cables — Aggregate cross sectional area of cables to be max 45 percent of the cross sectional area of the opening. Cables installed either concentrically or eccentrically within the firestop system. The annular space between cables and the periphery of the opening or sleeve shall be min 0 in. (point contact) to max 1 in. (25 mm). When sleeve is continuous on one side of wall (see Item 2), the cable fill may be 0 to 45% and the max annular space within sleeve is not limited. Cables to be rigidly supported on both sides of wall assembly. The following types of cables may be used:
   A. 7/C No. 12 AWG cable with PVC insulation and outer jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and outer jacket.
   C. Max RG 59 (or smaller) coaxial cable with polyethylene insulation and PVC jacket.
   D. Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.
   E. Multiple 24 fiber optic communication cable with PVC jacket, have a max outside diam of 5/8 in. (16 mm).
   F. Max four pair No. 22 AWG Cat 5 or Cat 6 computer cables.
   G. Through Penetrating Product*—Max three copper connector No. 8 AWG Metal-clad Cable+.
   AFC CABLE SYSTEMS INC
   H. Through Penetrating Product* — Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category.
   See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly. An additional 1/2 in. (13 mm) bead of fill material shall be applied around the perimeter of sleeve on both sides of the wall when sleeve extends beyond surface of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Sealant, CP606 Sealant, CFS-S SIL GG Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant, or CP618 Putty
5. Packing Material — (Optional, Not Shown) — Mineral wool forming material may be used as a backer for the fill material (Item 4). When used, it shall be firmly packed into annular space within the sleeve as a permanent form and recessed from end of sleeve to accommodate the required thickness of fill material.

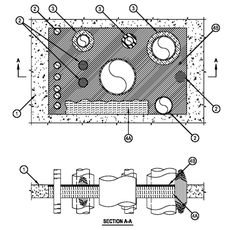
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+Bearing the UL Listing Mark

MULTI-PENETRATION

System No. C-AJ-8143

F Rating - 2 Hr
T Rating - 0 Hr



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor. Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max size of opening is 1440 in.2 (9290 cm2) with a max dimension of 48 in. (1219 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetrant — One cable tray and one or more pipes, tubes or cable bundles may be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces are maintained. The annular space between cable tray and all other penetrants shall be min 3 in. (76 mm). The annular space between individual cables and cable bundles shall be a min 1/2 in. (13 mm). The annular space between individual cables and cable bundles and other penetrants shall be a min 1/2 in. (13 mm) except that a min 2 in. (51 mm) shall be maintained between the cables and copper pipes and tubes greater than a nom 3 in. (76 mm) diam and steel and iron pipes and conduits greater than a nom 4 in. (102 mm) diam. The annular space between metallic pipes, conduit and tubes and insulated pipes and tubes shall be a min 2 in. (51 mm). The annular space between nom 3 in (76mm) diam (and smaller) copper pipes and tubes and between nom 4 in (102mm) diam (and smaller) steel and iron pipes and conduits shall be min 1/2 in. (13 mm). The annular space between nom 2 in. (51 mm) diam (and smaller) metallic pipes and conduits shall be min 0 in. (point contact). The annular space between nonmetallic penetrants shall be min 1/2 in. (13 mm). The annular space between nonmetallic penetrants and other penetrants shall be min 2 in. (51 mm)The annular space between insulated penetrants, nonmetallic penetrants, or the cable tray and the periphery of opening shall be min 1/2 in. (13 mm). The annular space between all other penetrants and the periphery of opening shall be min 0 in. (point contact). A max annular space in the system shall be 12 in. (305 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used.
   A. Metallic Pipes — The following types of metallic pipes, tubes or conduits may be used:
      1. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
      2. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
      3. Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
      4. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.
      5. Conduit — Nom 4 in. (102 mm) diam (or smaller) electric metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
   B. Cables Bundles — Max 4 in. (102 mm) diam tightly bundled cables. Any combination of the following types and sizes of cables may be used:
      1. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      2. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      3. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      4. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      5. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
   C. Individual Cables — Any of the following types and sizes of individual (non-bundled) cables may be used:
      1. Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.
      2. Through Penetrating Product* — Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.
      See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
      3. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      4. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      5. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      6. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      7. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
      8. Max 4C/750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.
   D. Cable Tray* — (Not Shown) — Max 24 in. (610 mm) wide by 6 in. (152 mm) deep open-ladder steel or aluminum cable tray. Aggregate cross-sectional area of cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 3 in. cable loading depth. Any combination of the types and sizes of cables described in Item 2B may be used. Cable tray to be rigidly supported on both sides of floor or wall assembly.
   E. Nonmetallic Pipes — The following nonmetallic pipes may be used:
      1. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid-core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
      2. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
      3. Rigid Nonmetallic Conduit++ — Nom 2 in. (51 mm) diam (or smaller) (Schedule 40) PVC conduit installed in accordance with Article 347 of the National Electric Code (NFPA No. 70).
3. Pipe Insulation — (Optional, for use with Item 2A only) - Pipes and tubes of the sizes noted below may be provided with one of the following types of pipe insulations:
   A. Pipe Covering* — Nom 1-1/2 in. (38 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes with a nom diam of 8 in. (203 mm) (or smaller) or tubes with a nom diam of 4 in. (102 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   B. Pipe Covering* — Nom 2 in. (51 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   C. Tube Insulation-Plastics+ — Nom 1 in. (25 mm) thick (or thinner) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller).
   See Plastics (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m3) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material - Sealant* — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor or both surfaces of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET	
DRAWING ISSUE	03/25/2025
ISSUE DATE	0119.002
NWL PROJECT	

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356
LICENSED ARCHITECT

△ DATE REVISION

FIRE RATED PENETRATION DETAILS

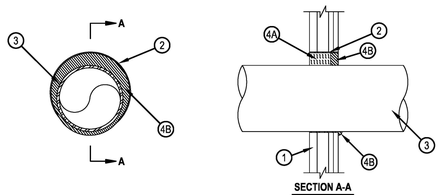
G501

A
1 2 3 4 5 6

METALIC PIPE / CONDUIT

System No. W-L-1206

F Rating - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr



1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — "C-T" shaped studs 1-5/8 in. (41 mm) wide by 2-1/2 in. (64 mm) deep, fabricated from 25 MSG galv steel, spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One layer of nom 1 in. (25 mm) thick, 24 in. (610 mm) wide gypsum liner and one or two layers of nom 5/8 in. (16 mm) thick, 4 ft. (1.27 m) wide gypsum board with square or tapered edges. The gypsum board types, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in. (267 mm).

1A. Wall Assembly — As an alternate to the above wall assembly, the 1 or 2 Hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in. (267 mm).

   The hourly F, FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Metallic Sleeve — Max 10-1/2 in. (267 mm) diam cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers. Sleeve may also be formed of No. 8 steel wire mesh having a min 1 in. (25 mm) lap along the longitudinal seam.
3. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (0 mm, point contact) to max 1-7/8 in. (48 mm) is required within firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 4 in. (102 mm) diam steel conduit.
   D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. Flexible Steel Conduit+ — Nom 2 in. (51 mm) diam (or smaller) flexible steel conduit.
   See Flexible Metal Conduit (DXUZ) category in the Electrical Construction Equipment Directory for names of manufacturers.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 1-5/8 or 2-1/4 in. (41 or 57 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into sleeve on one side of the wall as permanent form for 1 and 2 Hr walls, respectively. Packing material to be recessed from the room side of wall to accommodate the required thickness of fill material. In alternate wall assembly, packing material to be flush with either side of the wall and recessed from the other side of the wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material — Sealant* — Min 1-1/2 in. (38 mm) thickness applied within sleeve, flush with the surface of wall. At the point contact location between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe/wall interface.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
+Bearing the UL Listing Mark

DUCT OPENING

System No. W-L-7155

F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - Less Than 1 CFM/Sq Ft

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel channel studs spaced max 24 in. (610 mm) OC. Additional steel studs shall be used to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max area of opening is 73.7 sq ft (6.85 m2) with a max dimension of 104 in. (2.64 m).

   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Max 100 in. by 100 in. (2.5 by 2.5 m) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.

2A1. Through-Penetrating Product* — As an alterate to Item 2. Fiber cement with galvanized steel facing, 3/8 in.(10 mm) thick composite metallic duct, with a max cross-sectional area of 43.0 sq ft, (4 m2) and a max individual dimension of 78 3/4 in. (2 m). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct HP.

2A2. Through-Penetrating Product* — As an alternate to Item 2. Fiber cement with galvanized steel facing, 1/4 in. (6 mm) thick, with a max cross-sectional area of 1764 sq in. (1.14 m2), and a max individual dimension of 42 in. (1067 mm). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly and installed in accordance. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct SD.

2A3. Through-Penetrating Product* — As an alternate to Item 2. Galvanized steel faced duct panel, with a max cross-sectional area of 2450 sq in. (1.58 m2), and a max individual dimension of 49-1/2 in. (1258 mm) Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides wall assembly. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct GNX.

3 Firestop System — The firestop system shall consist of the following:
   A. Packing Material — (Optional, Not Shown) — Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction fitted into annular space. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. Packing Material — Required as specified in Table below. Min 3-3/4 in. (95 mm) or 5 in. (127 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form for 1 and 2 hr rated assemblies, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of fill material shall be applied at the point contact location between the steel duct and the gypsum board.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP606 Flexible Firestop Sealant
   C. Steel Retaining Angles — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. (51 mm) and to lap wall surfaces a min of 1 in. (25 mm). When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in2 (8387 cm2), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. Steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material, sealant and annular space as specified.

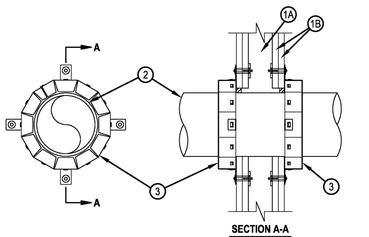
Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max (13 to 25 mm)	Item 3A1	No

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

NON-METALIC PIPE

System No. W-L-2078

F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, 1 and 2 Hr (See Items 2 and 3)
L Rating (Without Movement) At Ambient — 3 CFM/sq ft
L Rating (Without Movement) At 400°F — Less Than 1 CFM/sq ft
M Rating (Movement) — See Table 1



1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the construction features noted below:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. For M Rating, steel studs to be min 3-5/8 in. (92 mm) wide.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of opening is 11-1/2 in. (292 mm).

   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The M Rating is applicable only to 1 hr rated walls and the T Rating is 0 hr.
2. Through-Penetrants — One nonmetallic pipe, conduit or tubing to be installed within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Nom 10 in. (254 mm) diam (or smaller) Schedule 40 solid-core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 10 in. (254 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
   C. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 solid-core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems
   D. Flame Retardant Polypropylene (FRPP) Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   E. Polyvinylidene Fluoride (PVDF) Pipe — Nom 4 in. (102 mm) diam (or smaller) PVDF pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   F. Crosslinked Polyethylene (PEX) Tubing — Nom 4 in. (102 mm) diam (or smaller) SDR 9 Uponor AquaPEX or Wirsbo hePEX PEX tube for use in closed (process or supply) piping systems.
   When max 6 in. diam pipe is used, T Rating is equal to the hourly fire rating of the wall except that when penetrant type 2F is used, T Rating is 0 hr. When nom 8 in. or 10 in. (203 or 254 mm) diam pipe is used, T Rating is 0 hr. For systems with M Rating, the T Rating is 0 hr.
3. Firestop Device* — Firestop Collar — Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to both sides of the wall using the anchor hooks provided with the collar. (Minimum two anchor hooks for 1-1/2 and 2 in. (38 and 51 mm) diam pipes, three anchor hooks for 3 and 4 in. (76 and 102 mm) diam pipes, four anchor hooks for 6 in. (152 mm) diam pipes, ten anchor hooks for 8 in. (203 mm) diam pipes and twelve anchor hooks for 10 in. (254 mm) diam pipes. The anchor hooks are to be secured to the surface of wall with 3/16 in. (4.8 mm) diam by 2-1/2 in. (64 mm) long steel toggle bolts along with washers. As an alternate for pipe sizes of nom 4 in. diam or less, min No. 10 by 1-1/2 in. (254 by 38 mm) long drywall or laminate screws with min 3/4 in. (19 mm) steel washers may be used. When the drywall or laminate screw is used, T Rating shall not exceed 1 hr.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 643 50/1.5"N, CP 643 83/2"N, CP 643 90/3"N, CP 643 110/4"N, CP 643 160/6"N, CP 644-2008/8" US and CP 644-250/10" US Firestop Collars
4. Fill, Void or Cavity Material* — Sealant - (Not Shown) — Min 1/2 in. (13 mm) thickness of sealant applied within the annular space for nom 8 in. and 10 in. (203 and 254 mm) diam pipes, flush with each side of wall. Sealant in annular space is optional for max 6 in. (152 mm) diam pipes except that for penetrant type 2F, sealant is required. A min 1/4 in. (6 mm) thickness of sealant is required within the annular space, flush with each side of wall, to attain the L Ratings for max 6 in. (152 mm) diam pipes. For systems with M Rating, the sealant should not be installed.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

The M Rating for the firestop system is dependent on the variables as noted in the Table 1 below.

Table 1

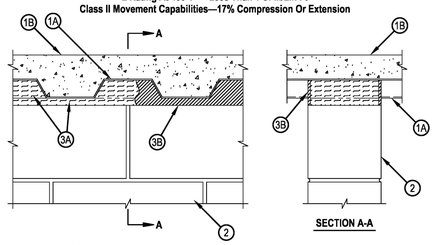
Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F Rating	L Rating
Y	2A	2 in.	Max 1/4 in.	100%	5/8 in.	1 hr.	N/A
Z	2A	2 in.	Min. 1/4 in.	3.21 in.	5/8 in.	1 hr.	N/A

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

MASONRY TOP OF WALL

System No. HW-D-0155

Assembly Rating — 2 Hr
Nominal Joint Width—3/4 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft
Class II Movement Capabilities—17% Compression Or Extension



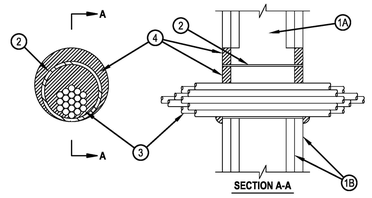
1. Floor Assembly — The fire-rated fluted steel floor unitconcrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Form Units* — Max 2 in. (51 mm) deep galv steel fluted floor units.
   B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
   1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
   B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.
2. Wall Assembly — Min 5 in. (127 mm) thick steel reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of an UL Classified Concrete Blocks*.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufactures.
3. Joint System — Max separation between bottom of floor or roof and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. The joint system consists of a forming material and a fill material between the top of the wall and the bottom of the floor or roof, as follows:
   A. Forming Material* — Nom 4 pcf (64 kg/m3) density mineral wool batt insulation cut approx 20 percent wider than the flutes, with a length approx equal to the overall thickness of the wall. Pieces stacked as needed and then compressed 20 percent in thickness and inserted into the flutes of the steel deck. The mineral wool batt insulation shall be recessed 1/4 in. (6 mm) from wall surfaces. Additional nom 4 pcf (64 kg/m3) mineral wool batt insulation shall be cut into strips to fill the gap between the top of the wall and bottom of the steel deck. The width of the strips shall be equal to the total thickness of the wall less 1/2 in. The strips of mineral wool are compressed 50 percent in thickness and firmly packed into the gap between the top of the wall and bottom of the steel deck, recessed 1/4 in. (6 mm) ffrom wall surfaces.
   A1. Forming Material* —Plugs — (Optional-Not Shown) Performed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes. The plugs shall be recessed 1/4 in. (6 mm) from both wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of the wall and bottom of steel floor units.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP777 Speed Plugs
   B. Fill, Void or Cavity Material* - Sealant — Min 1/4 in. (6 mm) thickness of fill material installed on each side of the wall in the flutes of the steel deck between the top of the wall and the bottom of the steel deck, flush with each surface of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 Flexible Firestop Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

CABLES

System No. W-L-3065

F Rating - 1 and 2 Hr (See Item 1)
T Rating - 0 and 3/4 Hr (See Item 3)
L Rating At Ambient - 15 CFM/Sq Ft
L Rating At 400 F - 8 CFM/Sq Ft



1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed.

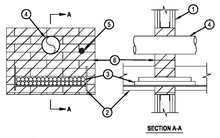
   The F, FH Ratings of the firestop system are equal to the fire rating of the wall assembly.
2. Metallic Sleeve — (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. thick (0.41 mm, No. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces. As an option when Schedule 5 steel pipe or EMT is used, sleeve may extend continuously beyond one wall surface. When cable bundle penetrates wall assembly at an angle of 45 degreso, no metallic sleeve is used.
3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1 in. (25 mm). When sleeve is continuous on one side of wall (see Item 2), the cable fill may be 0 to 45% and the max annular space is not limited. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   B1. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.
   C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of ½ in. (13 mm).
   C1. Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.
   D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
   E. Through Penetrating Products*— Max three copper conductor No. 8 AWG .Metal-Clad Cable+.
   AFC CABLE SYSTEMS INC
   F. Max 3/C (with ground)(or smaller) No. 8 AWG copper conductor cable with PVC insulation and jacketing.
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
   H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
   I. Max 4/C with ground 300 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.
   J. Through Penetrating Product* - Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category.
   K. Maximum 3/C No. 8 AWG metal-clad cable.
   L. Maximum 5/8 diam fiber-optic cable with PVC jacket.
   For cable bundle penetrating the wall assembly at an angle of 45 degrees, the T, FT, FTH Ratings are 0 hr and 3/4 hr for 1 and 2 hr wall assemblies, respectively.
   See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
4. Fill, Void or Cavity Material*— Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating . An additional 1/2 in. (13 mm) diam bead of fill material shall be applied at the interface of sleeve with gypsum board.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S, CP606, FS-One Sealants or FS-ONE MAX Intumescent Sealantor or CP618 Putty
5. Packing Material — (Optional, Not Shown) — Mineral wool forming material may be used as a backer for the fill material (Item 4). When used, it shall be firmly packed into annular space within the sleeve as a permanent form and recessed from end of sleeve to accommodate the required thickness of fill material.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

MULTI-PENETRATION

System No. W-L-8013

F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr
L Rating At Ambient - 5 CFM/Sq Ft
L Rating At 400 F - 2 CFM/Sq Ft



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide.

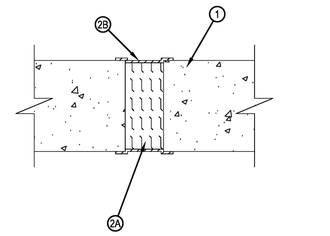
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cable Tray* — Max 18 in. (457 mm) wide by max 6 in. (152 mm) deep open-ladder or solid-back cable tray with channel-shaped side rails formed of 0.065 in. (1.65 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm) Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. Cables — Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket.
   B. 100 pair - No. 24 AWG cable with PVC insulation and jacket.
   C. 1/C, 750 kcmil (or smaller) with PVC insulation and jacket.
4. Through-Penetrants — One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The space between the pipe or tube and the periphery of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
   D. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.
4A. Pipe Covering — (Not Shown) — Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering and Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 may be used.
5. Cables — Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall range from 1-3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. 25 pair - No. 24 AWG cable with PVC insulation and jacket.
   C. Type R GU/59 coaxial cable with PVC outer jacket.
   D. 24 fiber optic cable with PVC sub unit and outer jacket.
6. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* — Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of larger steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-SL Firestop Block
   B. Fill, Void or Cavity Material* — Sealant or Putty — Fill material to be forced into interstices of cables, between cables and cable trays, around each penetrant and where obvious voids are observed to max extent possible on both surfaces of the penetration.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, FS-ONE MAX Intumescent Sealant, CP 618 Putty Stick, CP 660 Firestop Foam or CP620 Fire Foam

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

EXPANSION JOINT

System No. WW-D-0017

Assembly Rating — 2 Hr
Nominal Joint Width — 2 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft
Class II Movement Capabilities — 12.5% Compression or Extension



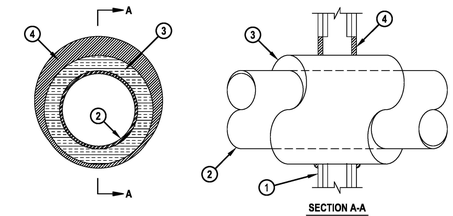
1. Wall Assembly — Min 4-1/2 in (114 mm). thick steel-reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
2. Joint System — Max width of joint (at time of installation of joint system) is 2 in. (51 mm). The joint system is designed to accommodate a max 12.5 percent compression or extension from its installed width. The joint system shall consist of the following:
   A. Forming Material* — Min 4 pcf (64 kg/m3) mineral wool batt insulation installed in joint opening as a permanent form. Batt cut to min width of 4-1/4 in. (108 mm) and installed cut edge-first into joint opening, parallel with joint direction, such that batt sections are compressed min 50 percent in thickness and such that the compressed batt sections are recessed from both surfaces of wall to accommodate the required thickness of fill material. Adjoining lengths of batt to be tightly butted with butted seams spaced min 48 in. (1.2 m) apart along the lengths of the joint.
   ROCK WOOL MANUFACTURING CO — Delta Board
   B. Fill, Void or Cavity Material* — 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material applied within the joint, flush with both surfaces of wall and lapping 1/2 in. (13 mm) onto surfaces of wall on both sides of wall assembly.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

*Bearing the UL Classification Mark

PIPE WITH INSULATION

System No. W-L-5029

F Ratings - 1, 2 and 3 Hr (See Items 1, 3 and 4)
T Ratings - 0, 1/2, 1 and 1 1/4 Hr (See Item 3
L Rating At Ambient - 4 CFM/Sq Ft
L Rating At 400 F - Less Than 1 CFM/Sq Ft



1. Wall Assembly — The 1, 2 or 3 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH rating and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm).

   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).
   D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm).
3. Pipe Covering* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm).
   See Pipe and Equipment Covering — Materials (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with

GENERAL SITE NOTES

1. NO WORK IS TO BEGIN UNTIL NECESSARY PERMITS HAVE BEEN OBTAINED.
2. REQUIREMENTS SHOWN ON SITE PLAN SHALL GOVERN. GENERAL CONTRACTOR TO POINT OUT ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. ENTIRE INSTALLATION SHALL MEET ALL APPLICABLE CODES.
4. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE.
5. GENERAL CONTRACTOR RESPONSIBLE TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
6. GENERAL CONTRACTOR TO PROVIDE ALL EQUIPMENT, PERSONNEL, AND CONSTRUCTION STAKING REQUIRED FOR FINAL CHECKOUT OF ALL FACILITIES BY OWNER'S REPRESENTATIVE.
7. GENERAL CONTRACTOR TO PERFORM GENERAL YARD AND BUILDING CLEAN-UP AT COMPLETION OF WORK.
8. ALL PUBLIC IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE HYDE PARK CITY STANDARDS AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS, LATEST REVISION THEREOF. IT IS RECOMMENDED THAT THE CONTRACTOR OBTAIN A COPY OF THIS MANUAL FROM THE CITY OFFICES.
9. ALL ASPHALT CUTS FOR UTILITIES AND PAVEMENT WITHIN PUBLIC RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE HYDE PARK CITY STANDARDS AND SPECIFICATIONS. "WORK IN R/W" PERMITS ARE REQUIRED.
10. GENERAL CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN WHICH SHALL BE SUBMITTED TO AND APPROVED BY THE CITY OF NORTH LOGAN PRIOR TO ANY WORK IN THE PUBLIC R/W. CONTRACTOR IS RESPONSIBLE FOR SAFETY TO THE PUBLIC BY MINIMIZING THE INTERRUPTION OF THE USE OF ROADS AND PROVIDING SIGNS, FLARES, BARRICADES, ETC. AS NECESSARY. TRAFFIC CONTROL TO BE COMPLIANT WITH CURRENT MUTCD. WORK SHALL COMPLY WITH "WORK IN R/W" PERMIT.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION AND ELEVATION OF EXISTING UTILITIES WHICH MAY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION. IF A CONFLICT DOES EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE.
12. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL UTILITIES WHEN CONSTRUCTION WORK BEGINS IN THE VICINITY OF ANY UTILITY LINES AND TO ARRANGE FOR A REPRESENTATIVE OF THE UTILITY TO BE PRESENT IF THE CONTRACTOR'S OPERATIONS ARE IN CLOSE PROXIMITY TO ANY LINES IN THEIR EXISTING OR RELOCATED POSITION WHICH COULD CREATE A HAZARDOUS CONDITION.
13. WHERE THERE IS A CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
15. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTING ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
16. OWNER/CONTRACTOR IS RESPONSIBLE TO OBTAIN A UPDES STORMWATER DISCHARGE PERMIT AND IS RESPONSIBLE FOR DEVELOPING AND IMPLEMENTING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS PER THE REQUIREMENTS OF THE UPDES STORMWATER CONSTRUCTION PERMIT (NOI PERMIT # _____).

UTILITY NOTES

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE ACTUAL LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE.
4. GENERAL CONTRACTOR TO COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY PROVIDER. GENERAL CONTRACTOR TO VERIFY AND FOLLOW ALL UTILITY PROVIDER REQUIREMENTS, PROCEDURES, STANDARDS AND SPECIFICATIONS.
5. GENERAL CONTRACTOR TO PROVIDE ALL EQUIPMENT, PERSONNEL, AND CONSTRUCTION STAKING REQUIRED FOR FINAL CHECKOUT OF ALL FACILITIES BY OWNER'S REPRESENTATIVE.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION AND ELEVATION OF EXISTING UTILITIES WHICH MAY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION. IF A CONFLICT DOES EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE.
7. ALL WATER LINES TO HAVE A MINIMUM COVER OF 5-FEET.
8. ALL WATER MAINS SHALL BE C900 PVC AND AWWA STANDARD EQUIVALENT.
9. SEPARATE WATER AND SEWER MAIN LINES AND SERVICES HORIZONTALLY BY 10-FEET MINIMUM FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

GENERAL WATER NOTES

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE ACTUAL LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE.
4. GENERAL CONTRACTOR TO COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY PROVIDER. GENERAL CONTRACTOR TO VERIFY AND FOLLOW ALL UTILITY PROVIDER REQUIREMENTS, PROCEDURES, STANDARDS AND SPECIFICATIONS.
5. GENERAL CONTRACTOR TO PROVIDE ALL EQUIPMENT, PERSONNEL, AND CONSTRUCTION STAKING REQUIRED FOR FINAL CHECKOUT OF ALL FACILITIES BY OWNER'S REPRESENTATIVE.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION AND ELEVATION OF EXISTING UTILITIES WHICH MAY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION. IF A CONFLICT DOES EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE.
7. ALL WATER LINES TO HAVE A MINIMUM COVER OF 5-FEET.
8. ALL WATER MAINS SHALL BE C900 PVC AND AWWA STANDARD EQUIVALENT.
9. SEPARATE WATER AND SEWER MAIN LINES AND SERVICES HORIZONTALLY BY 10-FEET MINIMUM FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
10. ALL CONSTRUCTION TO MEET HYDE PARK CITY STANDARDS.

GRADING NOTES

1. FINAL GRADES ARE SUBJECT TO MINOR CHANGES AS APPROVED BY OWNER. NO GRADE CHANGES IN EXCESS OF 0.1 FEET WITHOUT ENGINEERS APPROVAL.
2. ALL ROUGH GRADES TO BE ESTABLISHED AS FOLLOWS:

   A. BUILDING PADS, ROADWAYS, PARKING LOTS, FIRE AND TRUCK ACCESS WITHIN 0.10 FT ON TOP OF PIT RUN

   ROUGH GRADE FOR:
   - BUILDING PADS: 8" BELOW FG
   - ROADWAYS: 22" BELOW FG
   - PARKING LOTS: 7" BELOW FG
   - FIRE AND TRUCK ACCESS (HEAVY-DUTY CONCRETE): 16" BELOW FG
   - BUS PARKING: 8" BELOW FG

   B. SITE CONCRETE (FLATWORK) AND SIDEWALKS WITHIN 0.10 FT OF SUBGRADE

   ROUGH GRADE FOR:
   - SITE CONCRETE: 8" BELOW FG

   C. LANDSCAPE AREAS, PLANTER AREAS, SLOPED AREAS WITHIN 0.2 FT OF SUBGRADE

   ROUGH GRADE FOR:
   - LANDSCAPE AREAS: 8" BELOW FG
   - PLANTER AREAS: 18" BELOW FG
3. ALL FILL MATERIAL REQUIRED, SHALL BE CLEAN FILL SOIL APPROVED BY ENGINEER.
4. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING DEPOSITION OF ONSITE SEDIMENTS ONTO SURROUNDING PUBLIC STREETS DURING CONSTRUCTION. SEE EROSION CONTROL PLAN.
5. GENERAL CONTRACTOR TO PROVIDE BARRICADE PROTECTION WITH FLASHING LIGHTS AROUND ALL EXCAVATIONS
6. UNLESS OTHERWISE SPECIFIED, ALL CONSTRUCTION LAYOUT AND STAKING SHALL BE PERFORMED UNDER THE RESPONSIBLE CHARGE OF A LAND SURVEYOR LICENSED IN THE STATE OF UTAH AND BY PARTY CHIEF OR ENGINEERING TECHNICIAN EXPERIENCED IN CONSTRUCTION LAYOUT AND STAKING TECHNIQUES AS REQUIRED BY THE SPECIFIC TYPE OF WORK BEING PERFORMED.
7. THE CROSS SLOPE ON NEW SIDEWALKS SHALL NOT EXCEED 2.0%.
8. ALL AREAS NOT LOCATED WITHIN A RIGHT-OF-WAY OR UTILITY EASEMENT ARE TO REMAIN UNDISTURBED TO THE MAXIMUM EXTENT POSSIBLE. THESE AREAS SHALL BE AVOIDED AND MAINTAINED BY THE CONTRACTOR IN THEIR PRE-CONSTRUCTION STATE.
9. ACCESS AND HAULAGE ROADS SHALL BE MAINTAINED IN A DUST-FREE CONDITION BY SURFACING OR OTHER TREATMENT AS APPROVED BY THE NORTH LOGAN CITY ENGINEER AND FUGITIVE DUST SHALL BE CONTROLLED IN ALL OTHER OPERATIONAL AREAS OF THE EXCAVATION SITE. USE WATER TRUCKS OR OTHER MEANS TO CONTROL DUST AS NECESSARY.

SEWER LAYOUT GENERAL NOTES:

1. SEE PLAN AND PROFILE SHEETS FOR MORE DETAILED SEWER INFORMATION INCLUDING RIM & INVERT ELEVATIONS.
2. ALL SEWER MANHOLES SHALL BE INSTALLED PER HYDE PARK CITY STANDARDS UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. ALL EXISTING UTILITY LOCATIONS SHOWN ARE BASED UPON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY. LOCATIONS ARE TO BE CONSIDERED APPROXIMATE AND ARE PROVIDED FOR REFERENCE AND COORDINATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE ACTUAL LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THESE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE CIVIL ENGINEER IMMEDIATELY AND PRIOR TO ANY CONSTRUCTION ACTIVITY.
3. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ANOTHER ALTERNATIVE METHOD. CONTRACTOR TO REPORT FINDINGS TO THE CIVIL ENGINEER PRIOR TO CONSTRUCTION.
4. THE GENERAL CONTRACTOR IS TO ENSURE THE ENTIRE PROJECT INSTALLATION MEETS ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
5. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS ON-SITE.
6. THE GENERAL CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY PROVIDER. THE GENERAL CONTRACTOR SHALL VERIFY AND FOLLOW ALL UTILITY PROVIDER REQUIREMENTS, PROCEDURES, STANDARDS AND SPECIFICATIONS.
7. SEPARATE WATER AND SEWER MAIN LINES AND SERVICES HORIZONTALLY BY A MINIMUM OF 10-FEET AS MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

TREE PROTECTION NOTES

1. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PLACE FOUR-FOOT TALL CONSTRUCTION FENCE AROUND THE CRITICAL ROOT ZONE OF THE TREE. REMOVE FENCE ONLY AS NECESSARY FOR DAILY CONSTRUCTION, FENCE SHALL REMAIN IN PLACE DURING CONSTRUCTION TO PREVENT UNINTENDED IMPACTS.
2. THE TREE'S CRITICAL ROOT ZONE SHALL BE AT TREE'S CANOPY DRIP LINE OR A RADIUS OF TWELVE-TIMES THE DIAMETER OF THE TRUNK AT 4.5-FOOT DBH (DIAMETER AT BREAST HEIGHT) WHICHEVER IS LARGER.
3. IN THE CRITICAL ROOT ZONE:
   A. DO NOT ALTER OR DISTURB EXISTING GRADE.
   B. DO NOT STORE ANY CONSTRUCTION MATERIALS, EQUIPMENT, SOIL OR DEBRIS.
   C. DO NOT DISPOSE OF ANY LIQUIDS E.G. CONCRETE, GAS, OIL, PAINT ETC.
   D. DO NOT PERMIT VEHICLES, EQUIPMENT, OR FOOT TRAFFIC
   E. AVOID TRENCHING.
   F. AVOID CONSTRUCTION ACTIVITY THAT WILL COMPACT THE SOIL.
4. IF CONSTRUCTION WORK DOES ENCROACH INTO THE CRITICAL ROOT ZONE THEN LIMIT ENCROACHMENT TO LESS THAN TWENTY-FIVE PERCENT OF THE TOTAL AREA, AND NO CLOSER TO THE TRUNK THAT ONE-HALF THE RADIUS OF THE CRITICAL ROOT ZONE. PROVIDE FIVE INCHES OF MULCH AND A PROTECTIVE MAT OVER THE IMPACTED ROOT AREA.
5. IF TRENCHING IS REQUIRED IN THE ROOT AREA, THEN BORE UNDER THE ROOTING AREA AT A MINIMUM DEPTH OF THIRTY-INCHES. IF A TRENCH FOR AN IRRIGATION HEAD IS NEEDED IN THE ROOT ZONE AREA, TRENCH IN A DIRECT LINE TOWARDS THE TRUNK TO MINIMIZE ROOT DAMAGE.
6. PROVIDE WATER TO THE TREE(S) DURING CONSTRUCTION TO MAINTAIN TREE HEALTH.
7. REPAIR OR REPLACE TREES AND VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT.
   A. SUBMIT DETAILS OF PROPOSED REPAIRS TO DAMAGED TREES AND SHRUBS.
   B. REPLACE TREES THAT CANNOT BE REPAIRED AND RESTORED TO FULL-GROWTH STATUS, AS DETERMINED BY A QUALIFIED ARBORIST.

SEE ALSO ARCHITECTURAL PLANS SHEET AS-501/DETAIL 5.

LINE LEGEND, HATCH, AND SYMBOL LEGENDS

UTILITIES	PROPOSED	EXISTING
FIRE LINE AND SIZE	6"FIRE	
COMMUNICATION		COM
UNDERGROUND POWER	UGP	UGP
OVERHEAD POWER	OHP	OHP
GAS	GAS	GAS
IRRIGATION LINE	IRR	IRR
STORM DRAIN	12"SD	12"SD
SEWER	10"SS	10"SS
WATER LINE AND SIZE	10"W	10"W

SITE	PROPOSED	EXISTING
PROJECT LIMITS		
RIGHT-OF-WAY		
ROAD CENTERLINE		
DITCH FLOWLINE		
MAJOR CONTOUR	4500	4500
MINOR CONTOUR	4501	4501
CURB AND GUTTER		
TOE OF SLOPE	TOE	TOE
TOP OF SLOPE		
FENCE	X	X
CONCRETE		
WALLS		
STEPS		

HATCH	PROPOSED	EXISTING
STANDARD DUTY CONCRETE		
ASPHALT		
LANDSCAPE AREA		
HEAVY DUTY ASPHALT		

UTILITIES	PROPOSED	EXISTING
WATER METER	W	W
FIRE HYDRANT		
WATER VALVE		
IRRIGATION VALVE		
IRRIGATION BOX		
IRRIGATION VALVE BOX	IVB	IVB
STORM DRAIN MANHOLE	SD	SD
STORM DRAIN INLET		
STORM DRAIN CURB INLET		
COMMUNICATION MANHOLE	C	C
SEWER CLEAN OUT	CO	CO
SEWER MANHOLE	S	S
GAS METER	GM	GM
ELECTRICAL MANHOLE	E	E

SITE FEATURES	PROPOSED	EXISTING
SIGN		
LIGHT POLE		
TREE		

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DRAWING ISSUE 03/25/25
ISSUE DATE 0118.002
WWL PROJECT

PROFESSIONAL ENGINEER
LANCE M. JACKSON
9350746
03/25/25
STATE OF UTAH

DATE	REVISION

CIVIL
NOTES AND LEGEND

C-001



PLAN NOTES

1. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE,
2. ALL UTILITIES TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. ALL TREES NOT SPECIFICALLY NOTED FOR REMOVAL TO BE PROTECTED IN PLACE INCLUDING PROTECTION OF EXISTING GRADES TO DRIP LINE.
4. ANY TOPSOIL STRIPPED DURING CONSTRUCTION TO BE STOCKPILED AND PROTECTED FOR REUSE WHERE POSSIBLE.
5. ALL UTILITIES ARE SHOWN BASED ON GROUND EVIDENCE AND UTILITY PROVIDER RECORDS. CONTRACTOR IS TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES.

0 20' 40' 80'
GRAPHIC SCALE 1"= 40'

DEMO & EXISTING CONDITIONS

SCALE: 1"=40'

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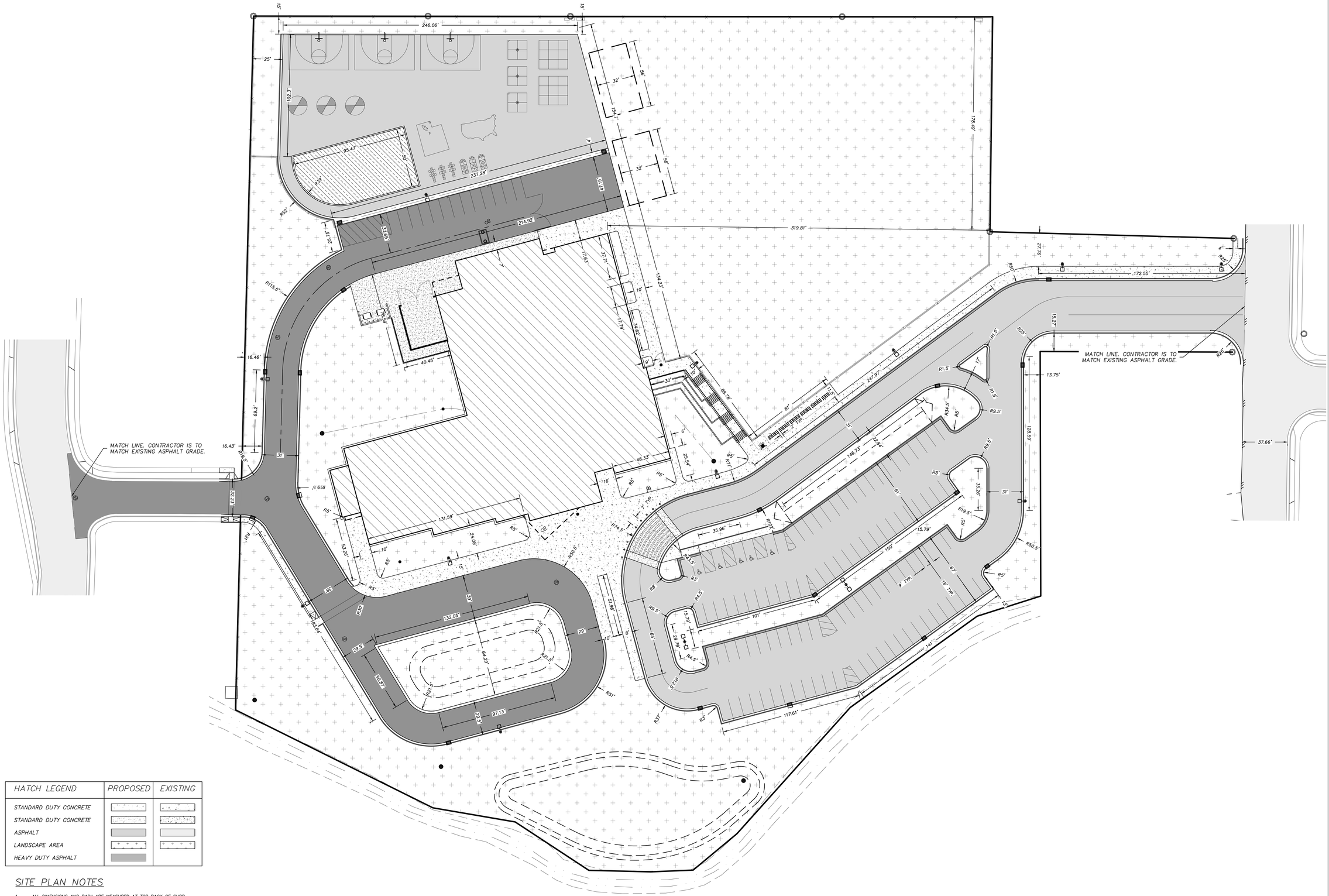
ISSUE DATE	03/25/25
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
LANCE ANDERSON
03/25/25
STATE OF UTAH

DATE	REVISION

DEMO PLAN
EXISTING CONDITIONS

CD101



HATCH LEGEND	PROPOSED	EXISTING
STANDARD DUTY CONCRETE		
STANDARD DUTY CONCRETE		
ASPHALT		
LANDSCAPE AREA		
HEAVY DUTY ASPHALT		

SITE PLAN NOTES

1. ALL DIMENSIONS AND RADII ARE MEASURED AT TOP BACK OF CURB UNLESS STATED OTHERWISE OR WHERE NO CURB EXISTS.
2. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
3. ALL WORK TO COMPLY WITH HYDE PARK CITY STANDARDS AND SPECIFICATIONS.
4. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
5. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

HORIZONTAL CONTROL

SCALE: 1"=40'

0 20' 40' 80'
GRAPHIC SCALE 1"= 40'

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LANCE ANDERSON
03/25/25
STATE OF UTAH

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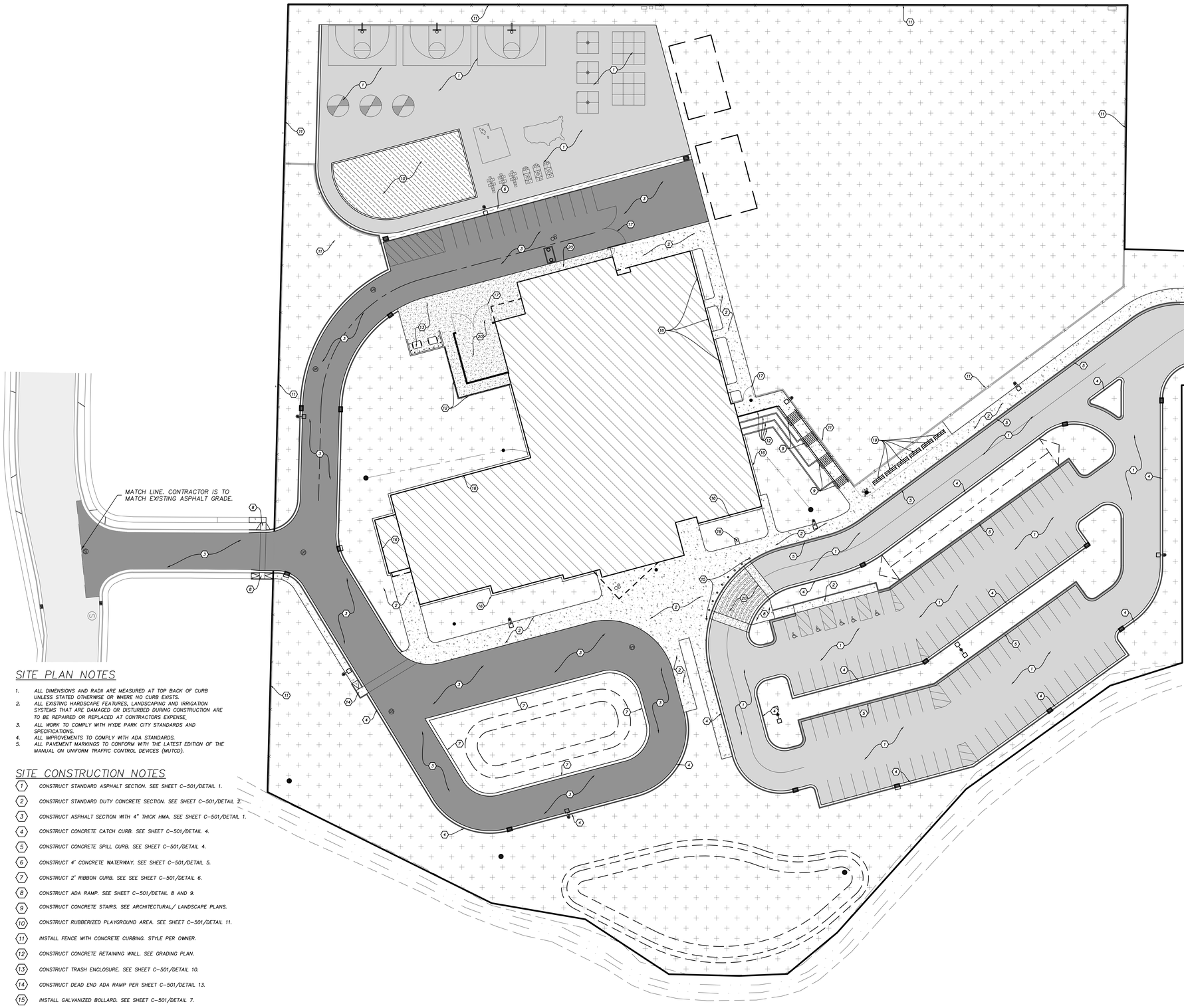
SITE PLAN
HORIZONTAL CONTROL

CS201



SITE PLAN NOTES

1. ALL DIMENSIONS AND RADII ARE MEASURED AT TOP BACK OF CURB UNLESS STATED OTHERWISE OR WHERE NO CURB EXISTS.
2. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
3. ALL WORK TO COMPLY WITH HYDE PARK CITY STANDARDS AND SPECIFICATIONS.
4. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
5. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SITE CONSTRUCTION NOTES

1. CONSTRUCT STANDARD ASPHALT SECTION. SEE SHEET C-501/DETAIL 1.
2. CONSTRUCT STANDARD DUTY CONCRETE SECTION. SEE SHEET C-501/DETAIL 2.
3. CONSTRUCT ASPHALT SECTION WITH 4" THICK HMA. SEE SHEET C-501/DETAIL 1.
4. CONSTRUCT CONCRETE CATCH CURB. SEE SHEET C-501/DETAIL 4.
5. CONSTRUCT CONCRETE SPILL CURB. SEE SHEET C-501/DETAIL 4.
6. CONSTRUCT 4' CONCRETE WATERWAY. SEE SHEET C-501/DETAIL 5.
7. CONSTRUCT 2' RIBBON CURB. SEE SEE SHEET C-501/DETAIL 6.
8. CONSTRUCT ADA RAMP. SEE SHEET C-501/DETAIL 8 AND 9.
9. CONSTRUCT CONCRETE STAIRS. SEE ARCHITECTURAL/ LANDSCAPE PLANS.
10. CONSTRUCT RUBBERIZED PLAYGROUND AREA. SEE SHEET C-501/DETAIL 11.
11. INSTALL FENCE WITH CONCRETE CURBING. STYLE PER OWNER.
12. CONSTRUCT CONCRETE RETAINING WALL. SEE GRADING PLAN.
13. CONSTRUCT TRASH ENCLOSURE. SEE SHEET C-501/DETAIL 10.
14. CONSTRUCT DEAD END ADA RAMP PER SHEET C-501/DETAIL 13.
15. INSTALL GALVANIZED BOLLARD. SEE SHEET C-501/DETAIL 7.
16. CONSTRUCT 18" CONCRETE APRON AROUND BUILDING.
17. INSTALL GATE. STYLE PER OWNER.
18. INSTALL FLAG POLE. SEE ARCHITECTURAL PLANS.
19. INSTALL BARCO 18 BIKE POWDER COATED BIKE RACK OR EQUIVALENT. SEE LANDSCAPE AND ARCHITECTURAL PLANS.
20. CONSTRUCT HEAVY-DUTY CONCRETE SECTION. SEE SHEET C-501/DETAIL 3.

HATCH LEGEND	PROPOSED	EXISTING
STANDARD DUTY CONCRETE		
STANDARD DUTY CONCRETE		
ASPHALT		
LANDSCAPE AREA		
HEAVY DUTY ASPHALT		

SITE PLAN-OVERALL

SCALE: 1"=20'

0 10' 20' 40'

GRAPHIC SCALE 1"= 20'

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9/25/25
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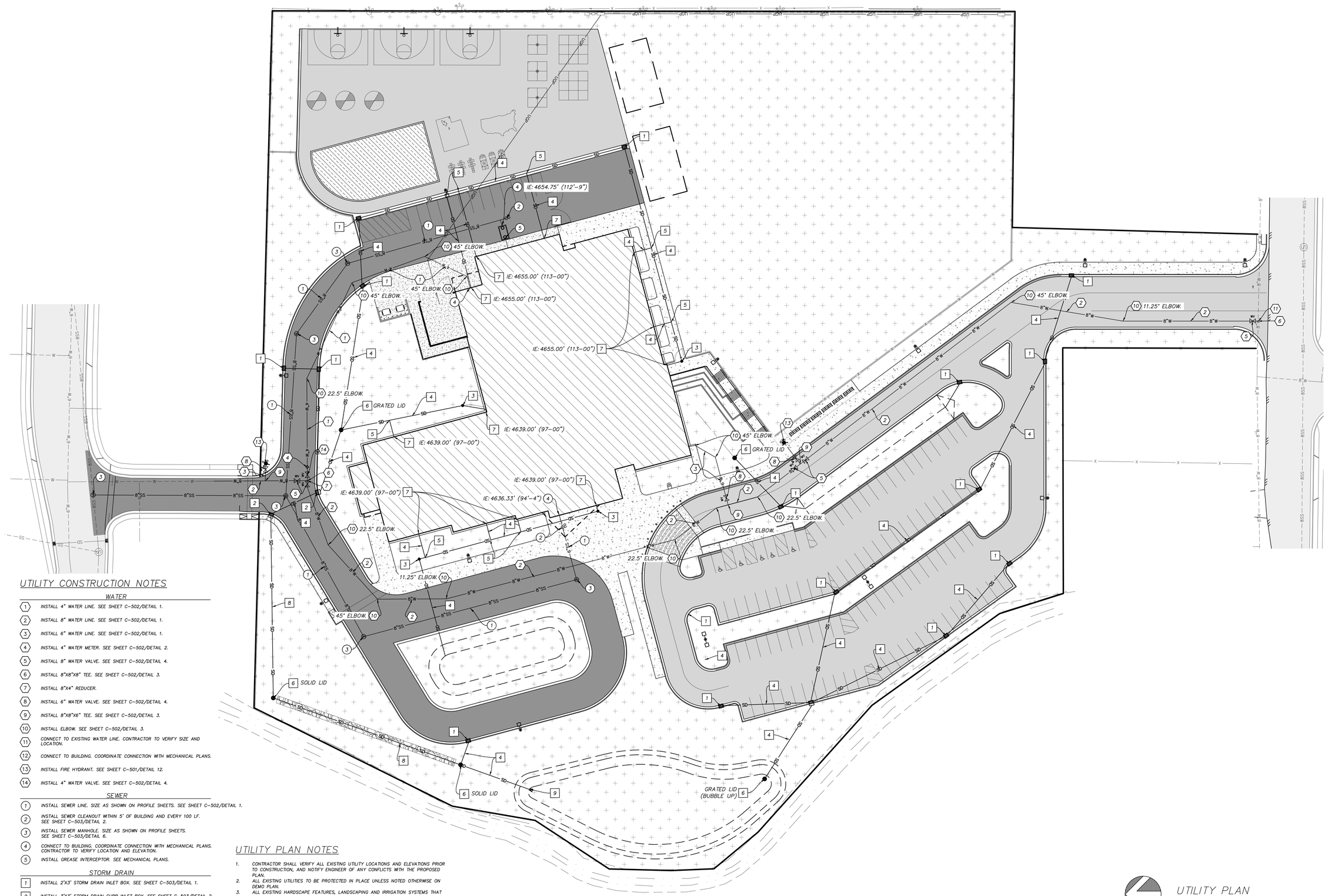
SITE PLAN OVERALL

CS202



UTILITY CONSTRUCTION NOTES

WATER

1. INSTALL 4" WATER LINE. SEE SHEET C-502/DETAIL 1.
2. INSTALL 8" WATER LINE. SEE SHEET C-502/DETAIL 1.
3. INSTALL 6" WATER LINE. SEE SHEET C-502/DETAIL 1.
4. INSTALL 4" WATER METER. SEE SHEET C-502/DETAIL 2.
5. INSTALL 8" WATER VALVE. SEE SHEET C-502/DETAIL 4.
6. INSTALL 8"x8"x8" TEE. SEE SHEET C-502/DETAIL 3.
7. INSTALL 8"x4" REDUCER.
8. INSTALL 6" WATER VALVE. SEE SHEET C-502/DETAIL 4.
9. INSTALL 8"x8"x6" TEE. SEE SHEET C-502/DETAIL 3.
10. INSTALL ELBOW. SEE SHEET C-502/DETAIL 3.
11. CONNECT TO EXISTING WATER LINE. CONTRACTOR TO VERIFY SIZE AND LOCATION.
12. CONNECT TO BUILDING. COORDINATE CONNECTION WITH MECHANICAL PLANS.
13. INSTALL FIRE HYDRANT. SEE SHEET C-501/DETAIL 12.
14. INSTALL 4" WATER VALVE. SEE SHEET C-502/DETAIL 4.

SEWER

1. INSTALL SEWER LINE. SIZE AS SHOWN ON PROFILE SHEETS. SEE SHEET C-502/DETAIL 1.
2. INSTALL SEWER CLEANOUT WITHIN 5' OF BUILDING AND EVERY 100 LF. SEE SHEET C-503/DETAIL 2.
3. INSTALL SEWER MANHOLE. SIZE AS SHOWN ON PROFILE SHEETS. SEE SHEET C-503/DETAIL 6.
4. CONNECT TO BUILDING. COORDINATE CONNECTION WITH MECHANICAL PLANS. CONTRACTOR TO VERIFY LOCATION AND ELEVATION.
5. INSTALL GREASE INTERCEPTOR. SEE MECHANICAL PLANS.

STORM DRAIN

1. INSTALL 2'X3' STORM DRAIN INLET BOX. SEE SHEET C-503/DETAIL 1.
2. INSTALL 3'X3' STORM DRAIN CURB INLET BOX. SEE SHEET C-503/DETAIL 2.
3. INSTALL 18" NYOPLAST (OR EQUIVALENT) IN-LINE PLASTIC DRAIN BOX. SEE SHEET C-503/DETAIL 3.
4. INSTALL STORM DRAIN PIPE. SEE SHEET CU302 FOR MATERIAL, SIZE, AND ELEVATION INFORMATION. SEE SHEET C-503/DETAIL 5.
5. CONNECT ROOF DRAIN LINE TO STORM DRAIN LINE WITH INSERTA-TEE.
6. INSTALL 30" DIAMETER STORM DRAIN CATCH BASIN. SEE SHEET C-503/DETAIL4.
7. CONNECT TO ROOF DRAIN. COORDINATE WITH MECHANICAL PLANS.
8. INSTALL INFILTRATION PIPE SECTION. SEE SHEET C-503/DETAIL 7.
9. INSTALL FLARED END SECTION AND TRASH RACK. SEE SHEET C-503/DETAIL 6.

UTILITY PLAN NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER OF ANY CONFLICTS WITH THE PROPOSED PLAN.
2. ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE ON DEMO PLAN.
3. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
4. ALL WORK TO COMPLY WITH GOVERNING AGENCIES STANDARDS AND SPECIFICATIONS.
5. ALL STORM DRAIN BOXES TO HAVE 1 FOOT MINIMUM SUMP UNLESS SPECIFIED OTHERWISE.
6. CONTRACTOR TO FIELD VERIFY ALL DEPTHS AND LOCATIONS OF UTILITY CONNECTIONS.
7. ALL WATER FITTINGS TO HAVE THRUST BLOCK, SEE SHEET C-503/DETAIL 3.
8. ALL WATER LINES TO BE C900 PVC.
9. ALL SEWER LINES TO BE SDR-35 PVC.
10. ALL WATER LINES TO HAVE A MINIMUM OF 5' OF COVER TO FG.
11. ALL STORMWATER PIPE TO HAVE MINIMUM OF 18" OF COVER TO FG UNLESS NOTED OTHERWISE.
12. WATER AND SEWER LINES TO HAVE MINIMUM 18" OF VERTICAL SEPARATION WHERE CONFLICTS OCCUR. STORMWATER LINES TO HAVE 6" MINIMUM VERTICAL SEPARATION FROM OTHER UTILITY LINES. EXCEPTIONS NOTED. LOOP WATER LINES WHERE NECESSARY.

UTILITY PLAN

SCALE: 1"=30'

0 15' 30' 60'

GRAPHIC SCALE 1"= 30'

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PROFESSIONAL ENGINEER
JAMES ANDERSON
6510777-2202
3/25/25
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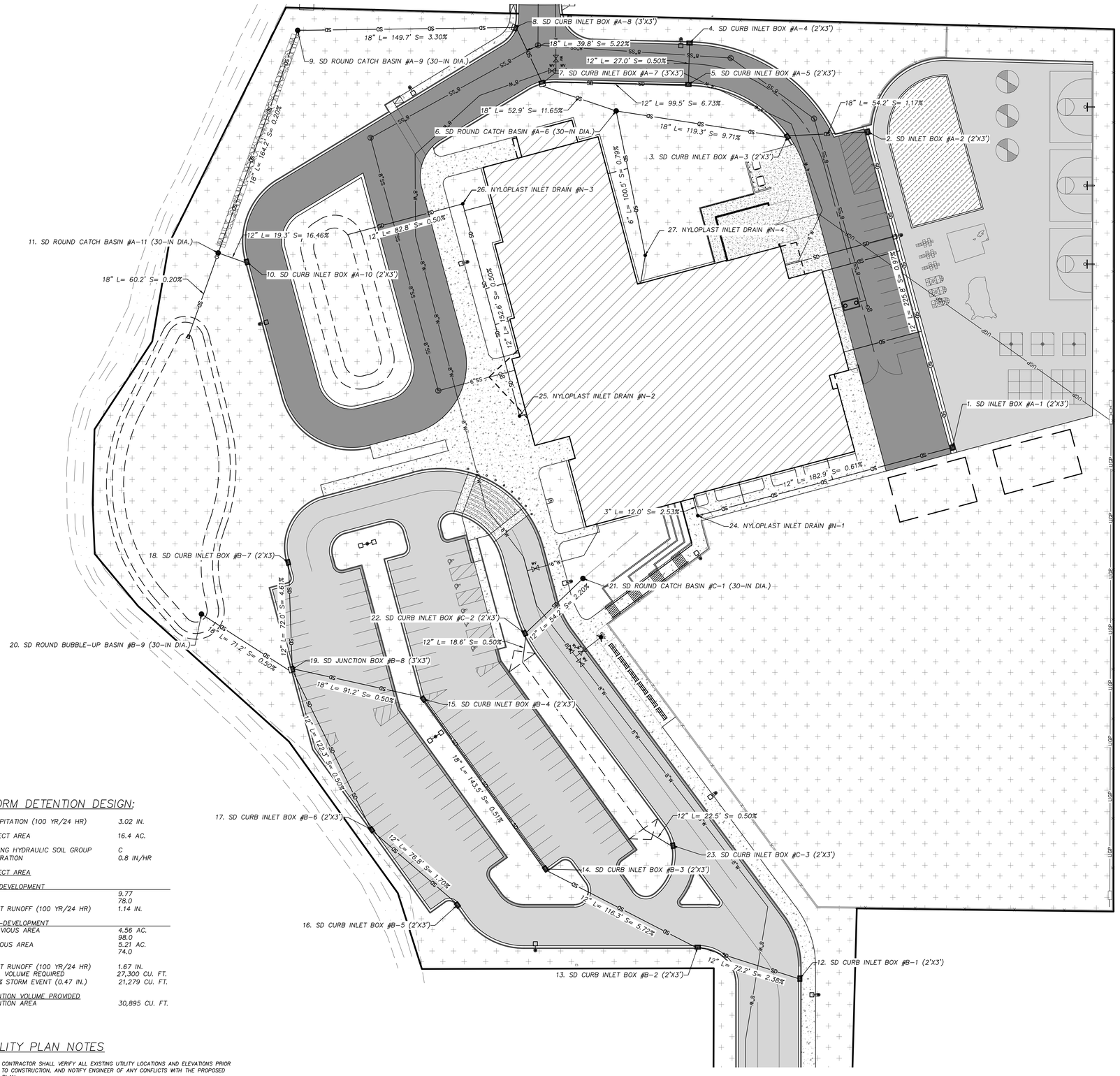
UTILITY PLAN
UTILITY LAYOUT

CU301



STORM DETENTION DESIGN:

PRECIPITATION (100 YR/24 HR)	3.02 IN.
PROJECT AREA	16.4 AC.
EXISTING HYDRAULIC SOIL GROUP	C
INFILTRATION	0.8 IN/HR
PROJECT AREA	
PRE-DEVELOPMENT	
AREA	9.77
CN	78.0
DIRECT RUNOFF (100 YR/24 HR)	1.14 IN.
POST-DEVELOPMENT	
IMPERVIOUS AREA	4.56 AC.
CN	98.0
PERVIOUS AREA	5.21 AC.
CN	74.0
DIRECT RUNOFF (100 YR/24 HR)	1.67 IN.
TOTAL VOLUME REQUIRED	27,300 CU. FT.
80TH% STORM EVENT (0.47 IN.)	21,279 CU. FT.
DETENTION VOLUME PROVIDED	
DETENTION AREA	30,895 CU. FT.

UTILITY PLAN NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER OF ANY CONFLICTS WITH THE PROPOSED PLAN.
2. ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE ON DEMO PLAN.
3. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
4. ALL WORK TO COMPLY WITH GOVERNING AGENCIES STANDARDS AND SPECIFICATIONS.
5. ALL STORM DRAIN BOXES TO HAVE 1 FOOT MINIMUM SUMP UNLESS SPECIFIED OTHERWISE.
6. CONTRACTOR TO FIELD VERIFY ALL DEPTHS AND LOCATIONS OF UTILITY CONNECTIONS.
7. ALL WATER FITTINGS TO HAVE THRUST BLOCK, SEE SHEET C-503/DETAIL 3.
8. ALL WATER LINES TO BE C900 PVC.
9. ALL SEWER LINES TO BE SDR-35 PVC.
10. ALL WATER LINES TO HAVE A MINIMUM OF 5' OF COVER TO FG.
11. ALL STORMWATER PIPE TO HAVE MINIMUM OF 18" OF COVER TO FG UNLESS NOTED OTHERWISE.
12. WATER AND SEWER LINES TO HAVE MINIMUM 18" OF VERTICAL SEPARATION WHERE CONFLICTS OCCUR. STORMWATER LINES TO HAVE 6" MINIMUM VERTICAL SEPARATION FROM OTHER UTILITY LINES. EXCEPTIONS NOTED. LOOP WATER LINES WHERE NECESSARY.

STORM DRAIN BOX TABLE	
BOX NUMBER	ELEVATIONS
1. SD INLET BOX #A-1 (2'X3')	RIM = 4656.56' IE IN 12" W = 4653.56' IE OUT 12" N = 4653.46' SUMP = 4652.46'
2. SD INLET BOX #A-2 (2'X3')	RIM = 4654.24' IE IN 12" S = 4651.24' IE OUT 18" W = 4650.54' SUMP = 4649.54'
3. SD CURB INLET BOX #A-3 (2'X3')	RIM = 4653.38' IE IN 18" E = 4649.88' IE OUT 18" W = 4649.78' SUMP = 4648.78'
4. SD CURB INLET BOX #A-4 (2'X3')	RIM = 4641.94' IE OUT 12" S = 4639.00' SUMP = 4638.00'
5. SD CURB INLET BOX #A-5 (2'X3')	RIM = 4642.48' IE IN 12" N = 4638.86' IE OUT 12" W = 4638.86' SUMP = 4638.86'
6. SD ROUND CATCH BASIN #A-6 (30-IN DIA.)	RIM = 4641.50' IE IN 6" S = 4638.00' IE IN 18" E = 4638.00' IE OUT 18" W = 4637.90' SUMP = 4636.90'
7. SD CURB INLET BOX #A-7 (3'X3')	RIM = 4634.18' IE IN 18" E = 4631.46' IE IN 12" E = 4631.96' IE OUT 18" NW = 4631.36' SUMP = 4630.36'
8. SD CURB INLET BOX #A-8 (3'X3')	RIM = 4632.59' IE IN 18" SE = 4629.09' IE OUT 18" W = 4628.99' SUMP = 4627.99'
9. SD ROUND CATCH BASIN #A-9 (30-IN DIA.)	RIM = 4626.77' IE IN 18" E = 4623.97' IE OUT 18" S = 4623.97' SUMP = 4622.97'
10. SD CURB INLET BOX #A-10 (2'X3')	RIM = 4635.13' IE OUT 12" W = 4632.20' SUMP = 4631.20'
11. SD ROUND CATCH BASIN #A-11 (30-IN DIA.)	RIM = 4631.69' IE IN 12" E = 4628.75' IE IN 18" N = 4623.64' IE OUT 18" S = 4623.64' SUMP = 4622.64'
12. SD CURB INLET BOX #B-1 (2'X3')	RIM = 4640.78' IE OUT 12" W = 4637.78' SUMP = 4636.78'
13. SD CURB INLET BOX #B-2 (2'X3')	RIM = 4639.00' IE IN 12" E = 4636.00' IE OUT 12" NW = 4635.90' SUMP = 4634.90'
14. SD CURB INLET BOX #B-3 (2'X3')	RIM = 4632.05' IE IN 12" SE = 4629.05' IE OUT 18" NW = 4628.55' SUMP = 4627.55'
15. SD CURB INLET BOX #B-4 (2'X3')	RIM = 4635.55' IE IN 18" SE = 4627.80' IE OUT 18" W = 4627.70' SUMP = 4626.70'
16. SD CURB INLET BOX #B-5 (2'X3')	RIM = 4627.47' IE OUT 12" NW = 4624.47' SUMP = 4623.47'
17. SD CURB INLET BOX #B-6 (2'X3')	RIM = 4626.11' IE IN 12" SE = 4623.11' IE OUT 12" NW = 4623.01' SUMP = 4622.01'
18. SD CURB INLET BOX #B-7 (2'X3)	RIM = 4633.76' IE OUT 12" S = 4630.76' SUMP = 4629.76'
19. SD JUNCTION BOX #B-8 (3'X3')	RIM = 4630.30' IE IN 18" E = 4627.23' IE IN 12" N = 4627.30' IE IN 12" SE = 4622.38' IE OUT 18" NW = 4622.07' SUMP = 4621.07'
20. SD ROUND BUBBLE-UP BASIN #B-9 (30-IN DIA.)	RIM = 4624.00' IE IN 18" SE = 4621.70' SUMP = 4620.70'
21. SD ROUND CATCH BASIN #C-1 (30-IN DIA.)	RIM = 4639.41' IE OUT 12" SW = 4636.41' SUMP = 4635.41'
22. SD CURB INLET BOX #C-2 (2'X3')	RIM = 4638.18' IE IN 12" NE = 4635.18' IE OUT 12" S = 4635.10' SUMP = 4634.10'
23. SD CURB INLET BOX #C-3 (2'X3')	RIM = 4635.70' IE OUT 12" NW = 4633.70' SUMP = 4632.70'
24. NYLOPLAST INLET DRAIN #N-1	RIM = 4657.68' IE IN 3" N = 4654.68' IE OUT 12" E = 4654.68' SUMP = 4654.68'
25. NYLOPLAST INLET DRAIN #N-2	RIM = 4641.32' IE IN 6" E = 4638.89' IE OUT 12" N = 4638.79' SUMP = 4637.79'
26. NYLOPLAST INLET DRAIN #N-3	RIM = 4641.30' IE IN 12" S = 4638.02' IE OUT 12" W = 4637.92' SUMP = 4636.92'
27. NYLOPLAST INLET DRAIN #N-4	RIM = 4643.97' IE IN 6" S = 4638.81' IE OUT 6" N = 4638.81' SUMP = 4638.81'

STORMWATER PLAN

SCALE: 1"=40'

0 20' 40' 80'

GRAPHIC SCALE 1"= 40'

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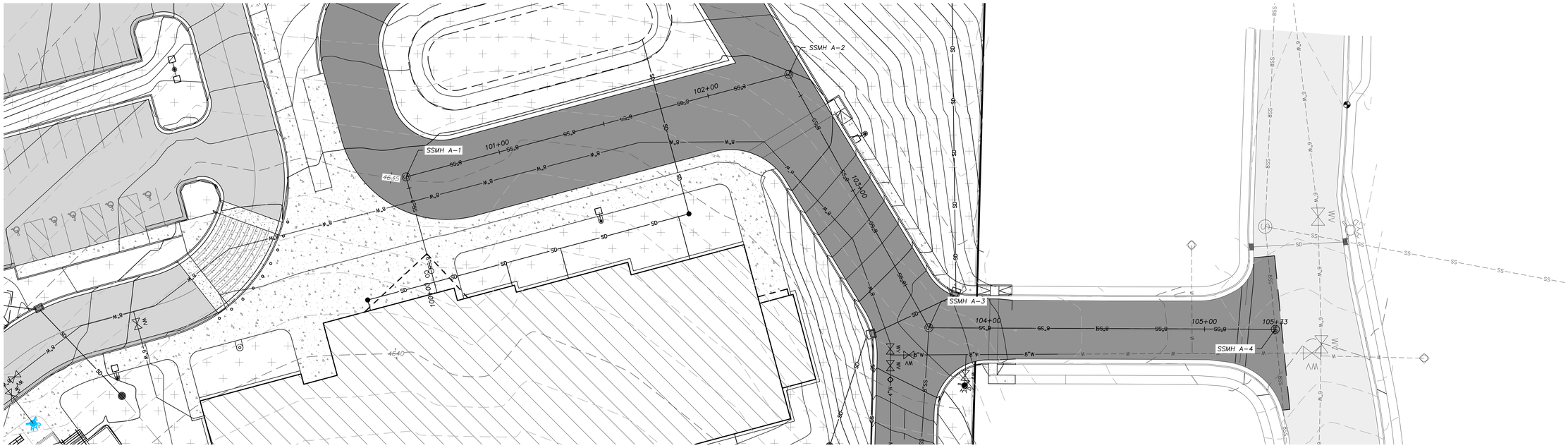
BID SET
DRAWING ISSUE
03/25/25
ISSUE DATE
0118.002
WWL PROJECT

PROFESSIONAL ENGINEER
LANCE ALLEN ROBISON
03/25/25
STATE OF UTAH

△	DATE	REVISION

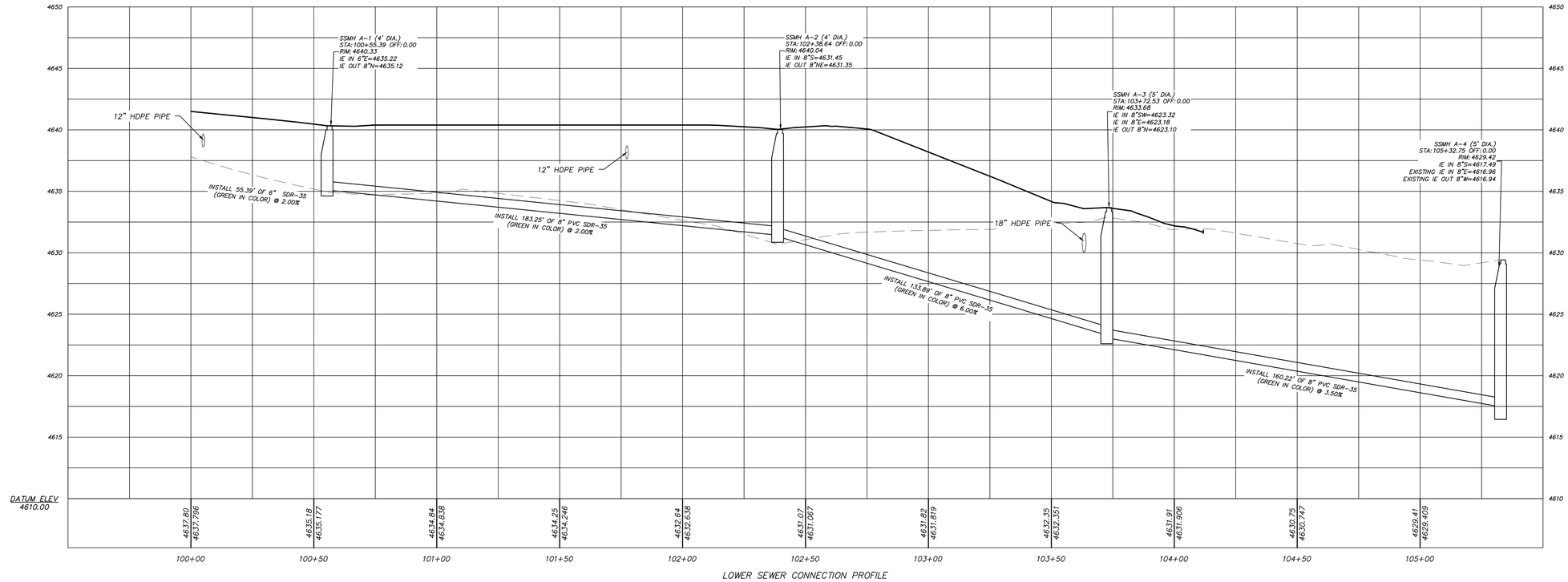
UTILITY PLAN
STORM DRAIN PLAN

CU302



SEWER PLAN

SCALE: 1"=20'



LOWER SEWER CONNECTION PROFILE

SEWER PROFILE

SCALE: H: 1"=20' V: 1"=4'

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PROFESSIONAL ENGINEER
CHANCE ANDERSON
8378746-2202
3/25/25
STATE OF UTAH

△	DATE	REVISION

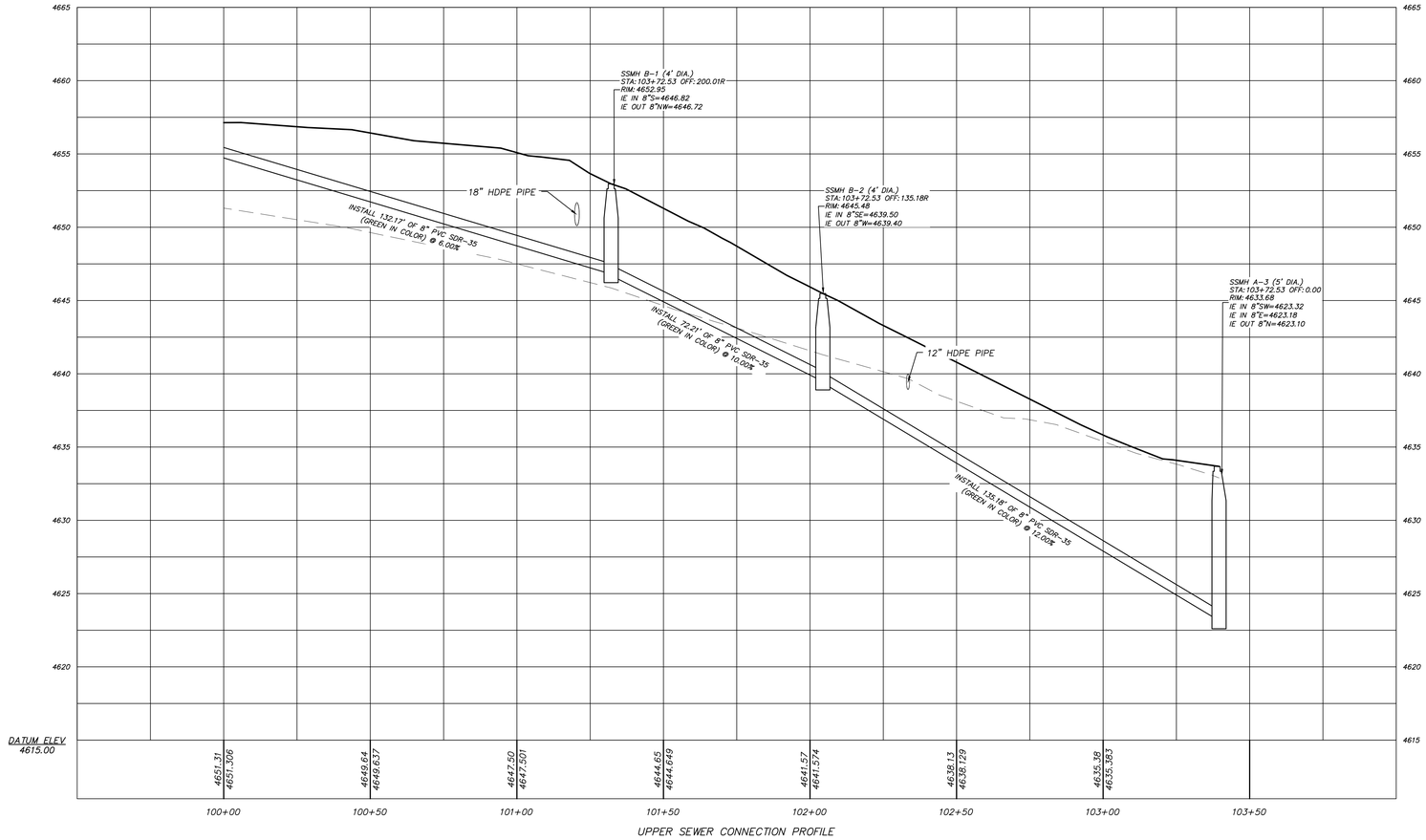
UTILITY PLAN
SEWER PLAN & PROFILE

CU303



SEWER PLAN

SCALE: 1"=20'



UPPER SEWER CONNECTION PROFILE

SEWER PROFILE

SCALE: H: 1"=20' V: 1"=4'

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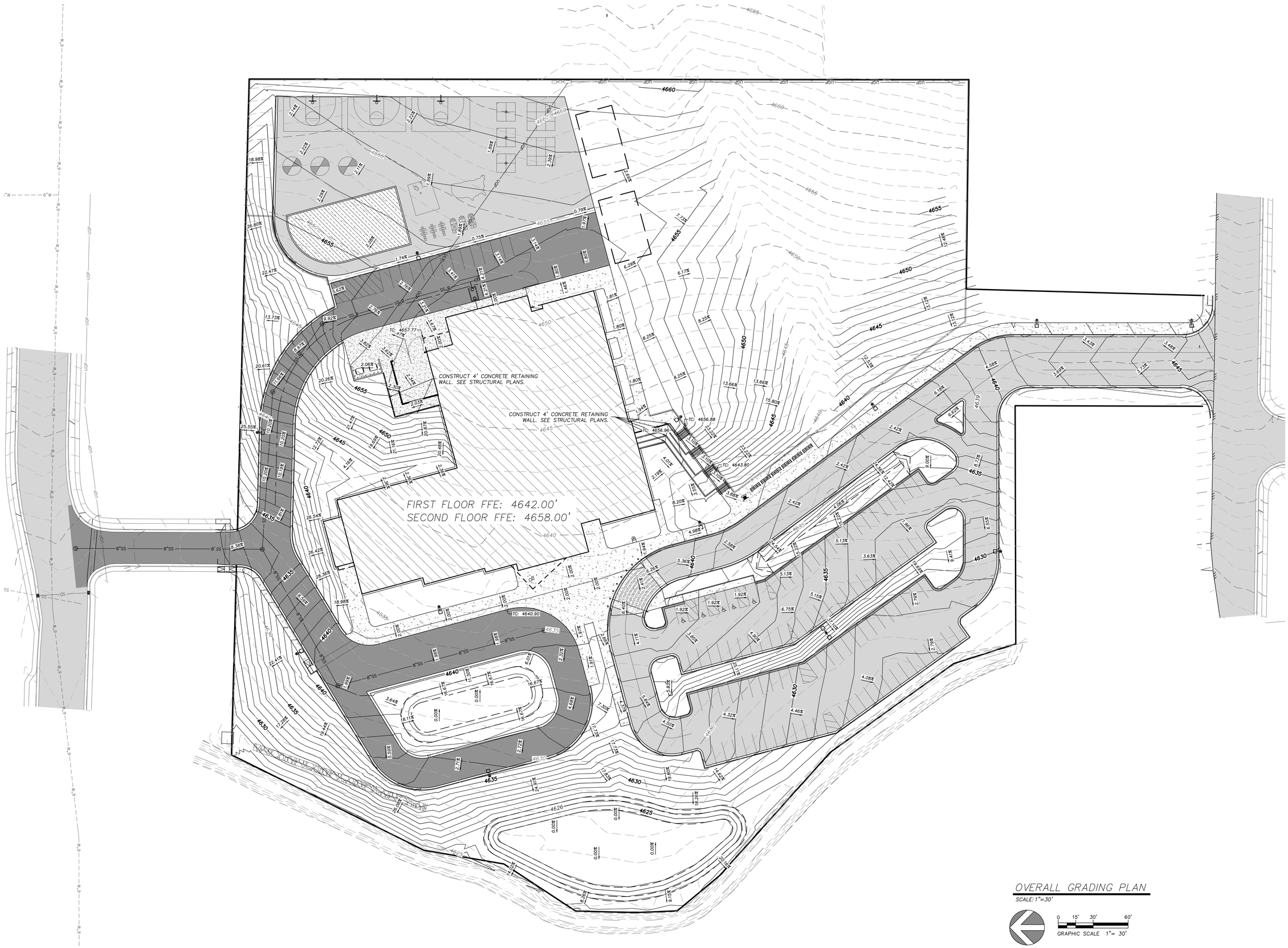
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/25
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
LANE M. ERICSON
7377810
02/25/25
STATE OF UTAH

△	DATE	REVISION

UTILITY PLAN
SEWER PLAN & PROFILE

CU304



OVERALL GRADING PLAN

SCALE: 1"=30'

0 15' 30' 60'

GRAPHIC SCALE 1"= 30'

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PROFESSIONAL ENGINEER
LANCE ANDERSON
3/25/25
STATE OF UTAH

DATE REVISION

GRADING PLAN
OVERALL GRADING

CG401



GRADING NOTES

1. CONTRACTOR SHALL MATCH GRADES AT EXISTING ASPHALT AND CONCRETE.
2. TYPICAL CONTOUR INTERVAL IS 1.0' FOR EXISTING AND 1.0' FOR PROPOSED.
3. ALL SLOPE ARROWS ARE ORIENTED TOWARD THE DIRECTION OF WATER FLOW ON THE SURFACE. SIDEWALK CROSS-SLOPE NOT TO EXCEED 2.0%.
4. SLOPES IN ADA PARKING AREA NOT TO EXCEED 2.0% IN ANY DIRECTION.
5. SEE ROADWAY PLAN AND PROFILE SHEETS FOR ROADWAY GRADING.

GRADING LEGEND

4500	EXIST. MAJOR CONTOUR (5' INT)
4501	EXIST. MINOR CONTOUR (1' INT)
4500	PROP. MAJOR CONTOUR (5' INT)
4501	PROP. MINOR CONTOUR (1' INT)
	GRADE BREAK
	GRADE BREAK-SWALE
	DAYLIGHT LINE

SPOT ELEVATION LEGEND

TA: XX.XX	TOP OF ASPHALT
TG: XX.XX	TOP OF GRAVEL
TC: XX.XX	TOP OF CONCRETE
TBC XX.XX	TOP BACK OF CURB
TBRC XX.XX	TOP BACK OF RIBBON CURB
GB:	GRADE BREAK
FFE:	FINISHED FLOOR ELEVATION
HP:	LOCAL HIGH POINT
LP:	LOCAL LOW POINT
MATCH:	MATCH EXISTING ELEVATION

GRADING PLAN-WEST

SCALE: 1"=20'

0 10' 20' 40'
GRAPHIC SCALE 1"= 20'

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ISSUE DATE	03/25/25
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
LANCE ANDERSON
03/25/25
STATE OF UTAH

DATE REVISION

GRADING PLAN
WEST

CG402



GRADING NOTES

1. CONTRACTOR SHALL MATCH GRADES AT EXISTING ASPHALT AND CONCRETE.
2. TYPICAL CONTOUR INTERVAL IS 1.0' FOR EXISTING AND 1.0' FOR PROPOSED.
3. ALL SLOPE ARROWS ARE ORIENTED TOWARD THE DIRECTION OF WATER FLOW ON THE SURFACE. SIDEWALK CROSS-SLOPE NOT TO EXCEED 2.0%.
4. SLOPES IN ADA PARKING AREA NOT TO EXCEED 2.0% IN ANY DIRECTION.
5. SEE ROADWAY PLAN AND PROFILE SHEETS FOR ROADWAY GRADING.

SPOT ELEVATION LEGEND

TA: XX.XX	TOP OF ASPHALT
TG: XX.XX	TOP OF GRAVEL
TC: XX.XX	TOP OF CONCRETE
TBC XX.XX	TOP BACK OF CURB
TBRC XX.XX	TOP BACK OF RIBBON CURB
GB:	GRADE BREAK
FFE:	FINISHED FLOOR ELEVATION
HP:	LOCAL HIGH POINT
LP:	LOCAL LOW POINT
MATCH:	MATCH EXISTING ELEVATION

GRADING PLAN–EAST

SCALE: 1"=20'

0 10' 20' 40'
GRAPHIC SCALE 1"= 20'

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ISSUE DATE	03/25/25
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PROFESSIONAL ENGINEER
LYNCE ANDERSON
03/25/25
STATE OF UTAH

DATE	REVISION

GRADING PLAN
EAST

CG403



GRADING NOTES

1. CONTRACTOR SHALL MATCH GRADES AT EXISTING ASPHALT AND CONCRETE.
2. TYPICAL CONTOUR INTERVAL IS 1.0' FOR EXISTING AND 1.0' FOR PROPOSED.
3. ALL SLOPE ARROWS ARE ORIENTED TOWARD THE DIRECTION OF WATER FLOW ON THE SURFACE. SIDEWALK CROSS-SLOPE NOT TO EXCEED 2.0%.
4. SLOPES IN ADA PARKING AREA NOT TO EXCEED 2.0% IN ANY DIRECTION.
5. SEE ROADWAY PLAN AND PROFILE SHEETS FOR ROADWAY GRADING.

SPOT ELEVATION LEGEND

TA: XX.XX	TOP OF ASPHALT
TG: XX.XX	TOP OF GRAVEL
TC: XX.XX	TOP OF CONCRETE
TBC XX.XX	TOP BACK OF CURB
TBRC XX.XX	TOP BACK OF RIBBON CURB
GB:	GRADE BREAK
FFE:	FINISHED FLOOR ELEVATION
HP:	LOCAL HIGH POINT
LP:	LOCAL LOW POINT
MATCH:	MATCH EXISTING ELEVATION

GRADING PLAN–SOUTH ENT

SCALE: 1"=20'

0 10' 20' 40'

GRAPHIC SCALE 1"= 20'

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ISSUE DATE	03/25/25
NWL PROJECT	0119.002

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LANCE ANDERSON
3/25/25
STATE OF UTAH

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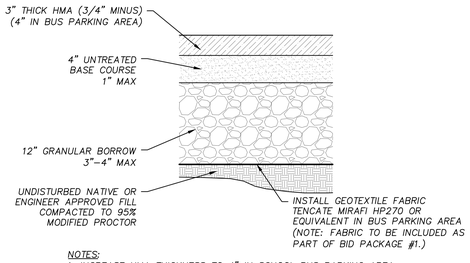
GRADING PLAN
SOUTH ENTRANCE

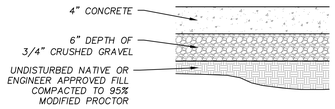
CG404



NOTES:
1. INCREASE HMA THICKNESS TO 4" IN SCHOOL BUS PARKING AREA.
2. TOP SOIL IS NOT TO BE USED AS FILL MATERIAL.

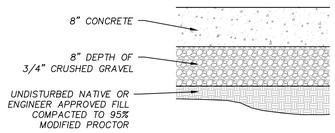
1 ON-SITE STANDARD ASPHALT SECTION
SCALE: NTS

NOTE: ALL ON-SITE CONCRETE FLATWORK TO BE USU STANDARD CONCRETE MIX. SEE CIVIL SPECIFICATIONS.



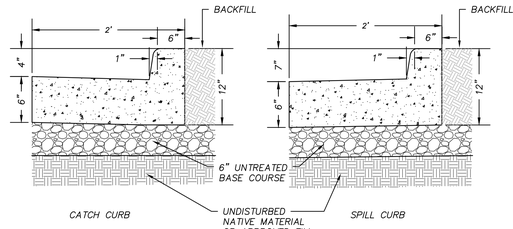
NOTES:
1. CONCRETE SHALL BE 4500 PSI, 28 DAY STRENGTH
2. INSTALL CONTRACTION JOINTS @ 10'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
3. INSTALL EXPANSION JOINTS @ 200'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
4. TOP SOIL IS NOT TO BE USED AS FILL MATERIAL.

2 STANDARD DUTY CONCRETE SECTION
SCALE: NTS



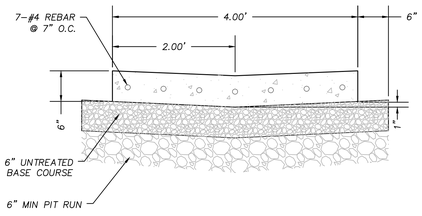
NOTES:
1. CONCRETE SHALL BE 4500 PSI, 28 DAY STRENGTH
2. INSTALL CONTRACTION JOINTS @ 10'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
3. INSTALL EXPANSION JOINTS @ 200'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
4. TOP SOIL IS NOT TO BE USED AS FILL MATERIAL.

3 HEAVY DUTY CONRETE SECTION
SCALE: NTS



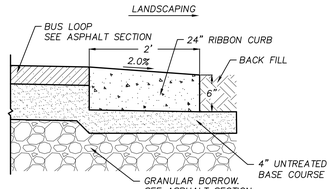
NOTES:
1. CONCRETE SHALL BE 4500 PSI - 28 DAY STRENGTH
2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

4 CONCRETE CURB AND GUTTER
SCALE: NTS



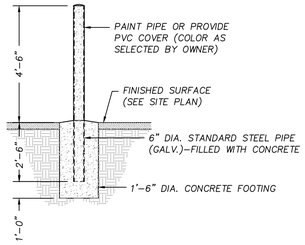
NOTES:
1. PROVIDE CONTRACTION JOINT EVERY 10'.
2. CONCRETE TO BE 4,500 PSI, 28 DAY STRENGTH.

5 4' CONCRETE WATERWAY
SCALE: NTS

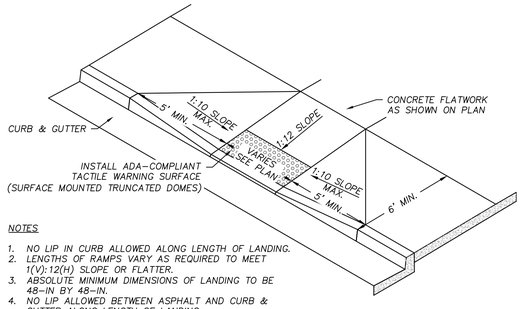


NOTES:
1. SLOPE RIBBON CURB AT 2.0% AWAY FROM PROPOSED BUILDING TO ALLOW STORMWATER TO FLOW UNOBSTRUCTED AWAY FROM BUILDING AND ACROSS FIRE ACCESS LANE..
2. CONCRETE SHALL BE 4,500 PSI, 28 DAY STRENGTH.
3. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
4. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

6 24 IN RIBBON CURB SECTION
SCALE: NTS

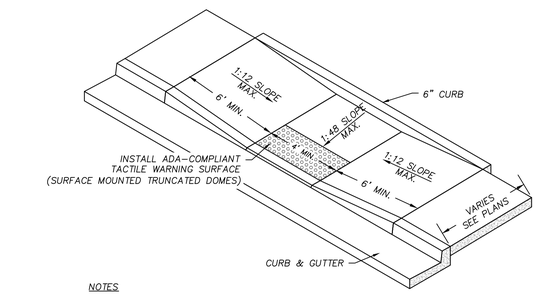


7 6" CONCRETE BOLLARD
SCALE: NTS



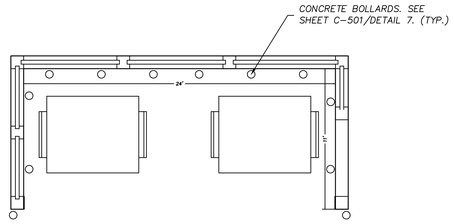
NOTES
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
2. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

8 PERPENDICULAR ADA RAMP (TYP.)
SCALE: NTS

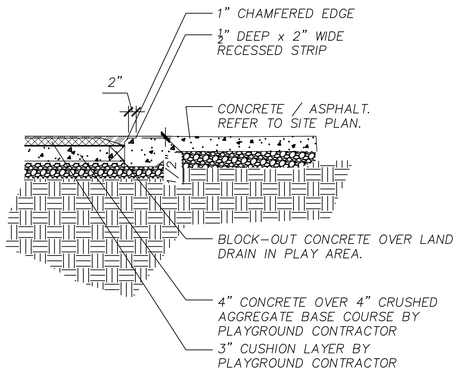


NOTES
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
2. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

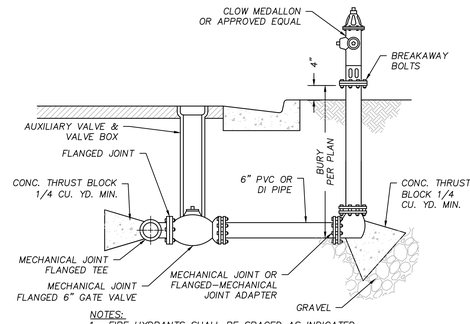
9 PARALLEL ADA RAMP (TYP.)
SCALE: NTS



10 TRASH ENCLOSURE
SCALE: NTS

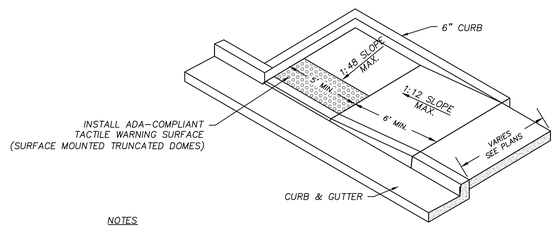


11 RUBBERIZED PLAYGROUND AREA
SCALE: NTS



NOTES:
1. FIRE HYDRANTS SHALL BE SPACED AS INDICATED.
2. FIRE HYDRANT SHALL HAVE A NOMINAL VALVE OPENING OF 5 1/4" DIA.
3. FIRE HYDRANT SHALL BE INSTALLED IN A VERTICAL POSITION WITH LARGE NOZZLE FACING THE STREET.
4. D.I. PIPE TO BE WRAPPED.

12 FIRE HYDRANT
SCALE: NTS



NOTES
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
2. LENGTHS OF RAMP MAY VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

13 DEAD END ADA RAMP
SCALE: NTS

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PROFESSIONAL ENGINEER
CHRIS ANDERSON
7207810
02/25/25
STATE OF UTAH

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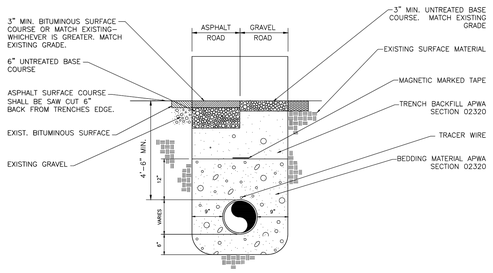
CIVIL DETAILS
SITE WORK

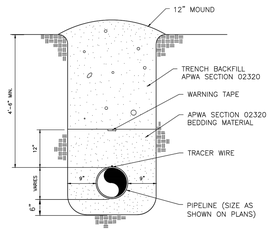
C-501

TRENCH DETAILS



DETAIL – ROADWAYS

NOTE:
BEDDING MATERIALS SURROUNDING PIPE SHALL BE 3/4" MINUS FOR PVC PIPE AND 2" MINUS FOR DUCTILE IRON PIPE.

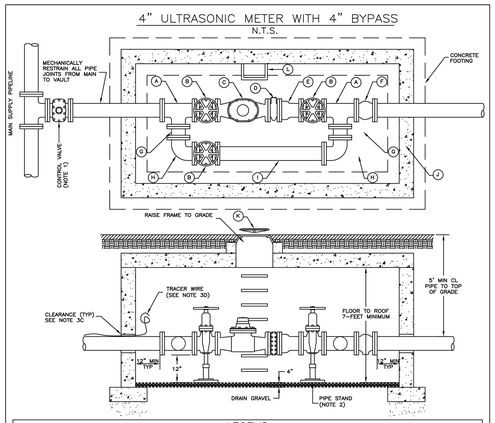


DETAIL – UNDEVELOPED/UNTRAVELLED AREAS

NOTE:
BEDDING MATERIALS SURROUNDING PIPE SHALL BE LESS THAN 3/4" FOR PVC PIPE AND LESS THAN 2" FOR DUCTILE IRON PIPE.

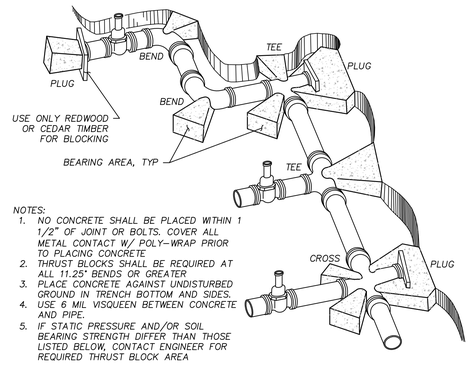
1 HYDE PARK UTILITY TRENCH DETAIL
SCALE: NTS

4" ULTRASONIC METER WITH 4" BYPASS
N.T.S.



LEGEND		
No.	ITEM	DESCRIPTION
A	4" FLANGE TEE FLG X FLG X FLG	
B	4" GATE VALVE W/ HAND WHEEL FLG X FLG	AWWA STANDARD C509
C	4" ULTRASONIC METER (14" LAY LENGTH)	NEPTUNE MACH 10 OR MASTER METER OCTAV
D	4" STRAINER	INSTALL ACCESS PLATE ON SIDE
E	4" FLG X MJ ADAPTER W/ 4" FLG X PE SPOOL	
F	4" GLOBE STYLE CHECK VALVE	
G	4" FLG X FLG D.I. PIPE SPOOL (12" LENGTH)	
H	4" X 4" FLG X FLG ELBOW	
I	4" FLG X FLG D.I. PIPE SPOOL	
J	CONCRETE BOX	
K	38" FRAME & COVER	
L	STEPS AT 12" C.C.	

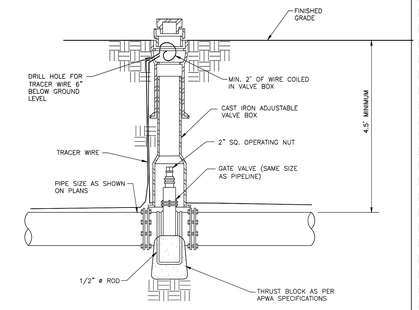
2 APWA 4 INCH WATER METER
SCALE: NTS



NOTES:
1. NO CONCRETE SHALL BE PLACED WITHIN 1 1/2" OF JOINT OR BOLTS. COVER ALL METAL CONTACT W/ POLY-WRAP PRIOR TO PLACING CONCRETE.
2. THRUST BLOCKS SHALL BE REQUIRED AT ALL 11.25° BENDS OR GREATER
3. PLACE CONCRETE AGAINST UNDISTURBED GROUND IN TRENCH BOTTOM AND SIDES.
4. USE 6 MIL VISQUEEN BETWEEN CONCRETE AND PIPE.
5. IF STATIC PRESSURE AND/OR SOIL BEARING STRENGTH DIFFER THAN THOSE LISTED BELOW, CONTACT ENGINEER FOR REQUIRED THRUST BLOCK AREA

THRUST BLOCK DESIGN INFO				
STATIC PRESSURE (PSI)	SOIL BEARING STRENGTH (PSF)		SAFETY FACTOR	
150	2000		1.50	
THRUST BLOCK AREA REQUIRED (SQ FT)				
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22.5° ELBOW
4	1.4	2.0	1.1	0.6
6	3.2	4.5	2.4	1.2
8	5.7	8.0	4.3	2.2
10	8.8	12.5	6.8	3.4
12	12.7	18.0	9.7	5.0
14	17.3	24.5	13.2	6.8
16	22.6	32.0	17.3	8.8
18	28.6	40.5	21.9	11.2
20	35.3	50.0	27.0	13.8
24	50.9	71.9	38.9	19.8

3 FITTING WITH THRUST BLOCK
SCALE: NTS

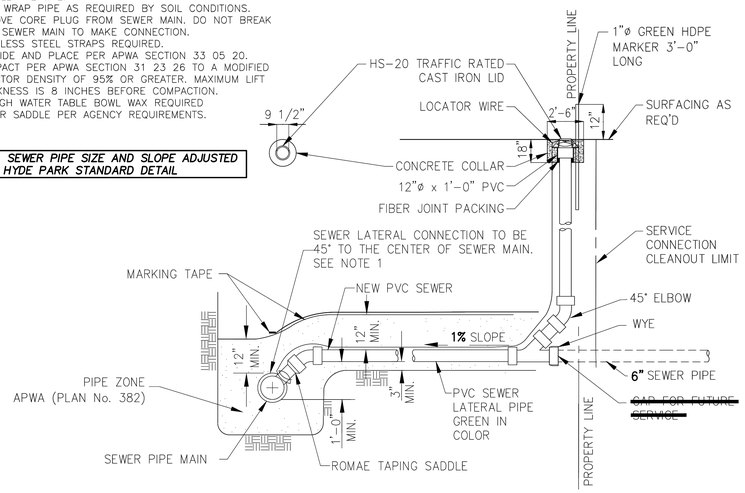


NOTE: VALVE BOX SHALL BE CLEAN, PLUMB AND PROPERLY ALIGNED ON THE VALVE.

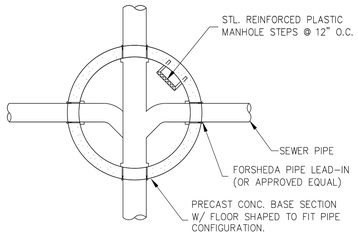
4 HYDE PARK WATER VALVE DETAIL
SCALE: NTS

NOTES:
1. PROVIDE AGENCY APPROVED WYE OR TEE WITH APPROPRIATE DONUT. VERIFY WHETHER CONTRACTOR OR AGENCY IS TO INSTALL THE WYE.
2. TAPE WRAP PIPE AS REQUIRED BY SOIL CONDITIONS.
3. REMOVE CORE PLUG FROM SEWER MAIN. DO NOT BREAK INTO SEWER MAIN TO MAKE CONNECTION.
4. STAINLESS STEEL STRAPS REQUIRED.
5. PROVIDE AND PLACE PER APWA SECTION 33 05 20. COMPACT PER APWA SECTION 31 23 26 TO A MODIFIED PROCTOR DENSITY OF 95% OR GREATER. MAXIMUM LIFT THICKNESS IS 8 INCHES BEFORE COMPACTION.
6. IN HIGH WATER TABLE BOWL WAX REQUIRED
7. SEWER SADDLE PER AGENCY REQUIREMENTS.

NOTE: SEWER PIPE SIZE AND SLOPE ADJUSTED FROM HYDE PARK STANDARD DETAIL

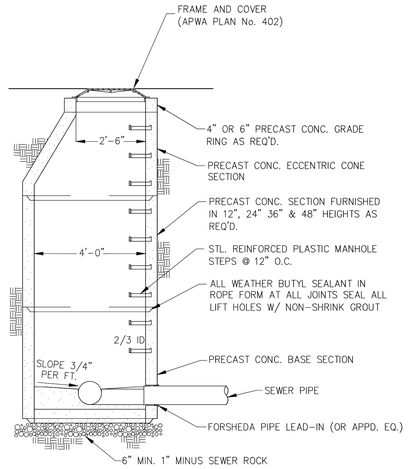


5 SANITARY SEWER LATERAL AND CLEAN OUT DETAIL
SCALE: NTS

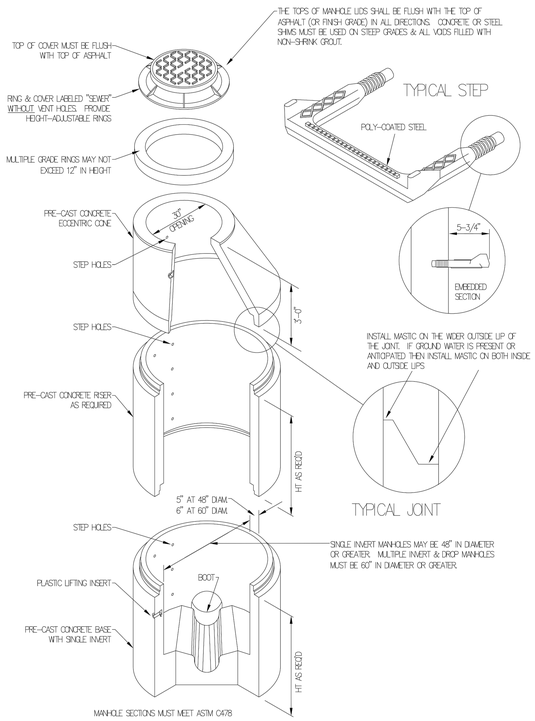


PLAN

NOTES:
1. PROVIDE AND PLACE PER APWA SECTION 31 23 23. COMPACT PER APWA SECTION 31 32 26 TO A MODIFIED PROCTOR DENSITY OF 95% OF GREATER, MAXIMUM LIFT THICKNESS IS 8 INCES BEFOR COMPACTION.
2. CONCRETE CLASS 4000 PER APWA SECTION 03 30 04. PLACE CONCRETE PER APWA SECTION 03 30 10. CURE PER APWA SECTION 03 39 00.
3. FOR SEWERS UNDER 12" DIAMETER, BUILD A 4 FEET DIAMETER MANHOLE. FOR SEWERS 12" AND LARGER, AND WHEN 3 OR MORE PIPES INTERSECT IN THE MANHOLE, BUILD A 5 FEET DIAMETER MANHOLE.
4. GROUT AROUND ALL PIPE OPENINGS WITH 2:1 SAND/CEMENT MORTAR
5. PLACE FLEXIBLE GASKET-TYPE SEALANT IN ALL MANHOLE JOINTS
6. PLACE INVERT COVERS OVER THE TOP OF THE PIPE IN ALL MANHOLES DURING CONSTRUCTION. SEE APWA PLAN No. 412.
7. INSTALL RUBBER WATER-STOP ON ALL PLASTIC PIPES WHEN CONNECTING PLASTIC PIPES TO MANHOLES. HOLD WATER-STOP IN PLACE WITH STAINLESS STEEL BANDS.



SECTION



MANHOLE SECTIONS MUST MEET ASTM C478

6 HYDE PARK SANITARY SEWER MANHOLE DETAIL
SCALE: NTS

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84335

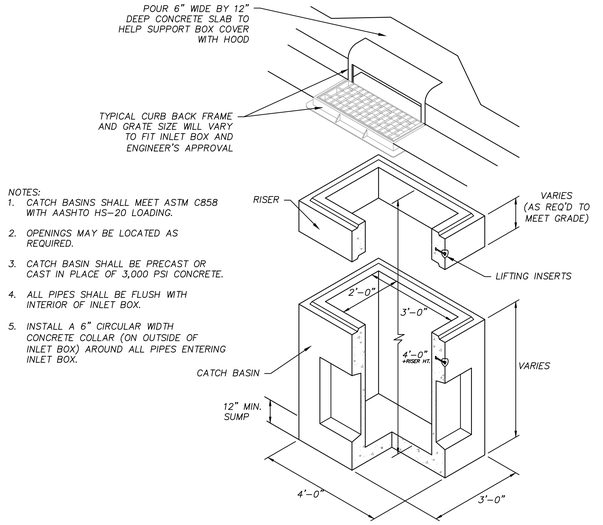
BID SET 02/25/25
DRAWING ISSUE
ISSUE DATE 01/10/202
NWL PROJECT

PROFESSIONAL ENGINEER
LYLE ANDERSON
03/25/25
STATE OF UTAH

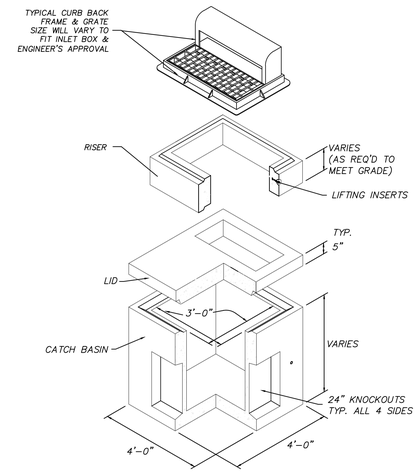
△ DATE REVISION

CIVIL DETAILS
UTILITY WORK

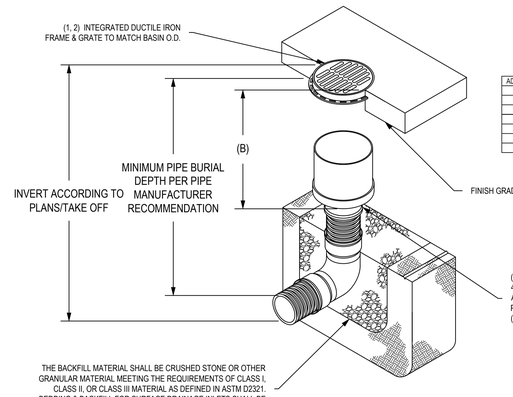
C-502



1 2'X3' CATCH BASIN
SCALE: NTS



2 3'X3' CATCH BASIN
SCALE: NTS

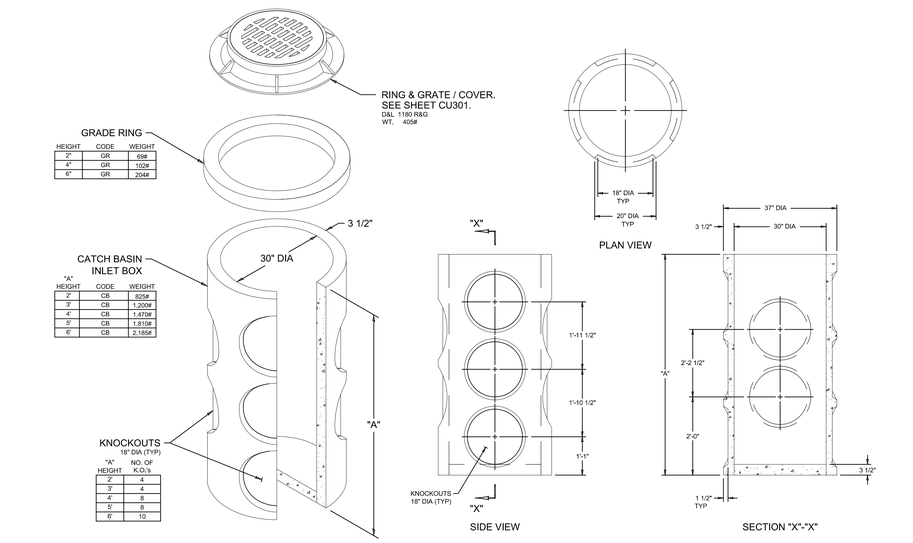


ADAPTER SIZE	B
4"	14.00
6"	14.00
8"	14.00
10"	14.00
12"	14.00
15"	13.50
18"	8.25

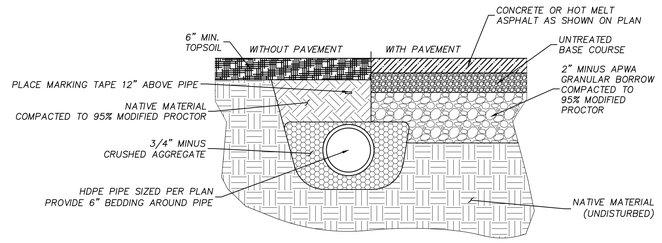
GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1899CGP	7001-110-212
STANDARD	MEETS H-20	1899CGS	7001-110-213
SOLID COVER	MEETS H-20	1899CGC	7001-110-214
DOME	N/A	1899CGD	7001-110-215
DROP IN GRATE	LIGHT DUTY	1801DI	7001-110-074

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
5 - DIMENSIONS ARE IN INCHES
6 - SEE DRAWING NO. 7001-110-215 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION.

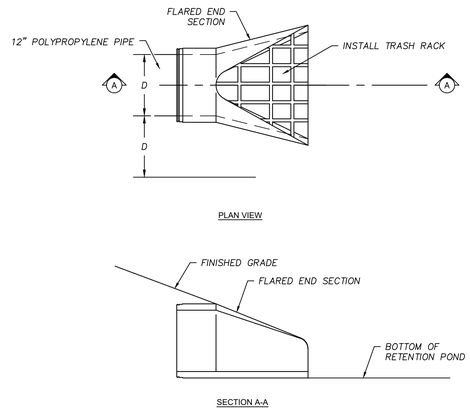
3 NYOPLAST PLASTIC DRAIN BOX
SCALE: NTS



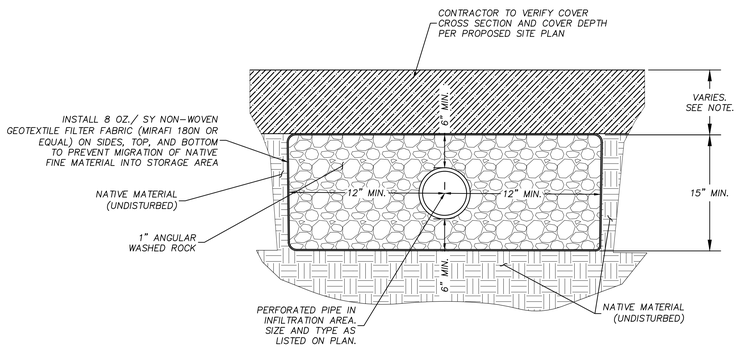
4 30 INCH DIAMETER CIRCULAR CATCH BASIN
SCALE: NTS



5 STORM DRAIN PIPE SECTION
SCALE: NTS



6 FLARED END SECTION WITH TRASH RACK
SCALE: NTS



7 INFILTRATION PIPE SECTION
SCALE: NTS

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CACHE COUNTY SCHOOL DISTRICT

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84335

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/25
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
CHANCE ANDERSON
7877353
02/25/25
STATE OF UTAH

DATE	REVISION

CIVIL DETAILS
UTILITY WORK

C-503



OVERALL PLANTING PLAN

SCALE: 1" = 40'

GRAPHIC SCALE 1"= 40 (0, 20, 40', 80)

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	DETAIL
TREES				
	ACER TATARICUM GINNALA	AMUR MAPLE	9	3/L501
	CORNUS CONTROVERSA	GIANT DOGWOOD	5	3/L501
	GINKGO BILOBA `AUTUMN GOLD` TM	MAIDENHAIR TREE	6	3/L501
	GLEDITSIA TRIACANTHOS INERMIS `MORAINE`	MORAINE HONEYLOCUST	17	3/L501
	GYMNOCLADUS DIOICA `ESPRESSO`	KENTUCKY COFFEETREE	12	3/L501
	PINUS STROBUS 'PENDULA'	PENULOUS WHITE PINE	1	1/L501
	PICEA PUNGENS	COLORADO SPRUCE	11	1/l501
	PINUS LEUCODERMIS `EMERALD ARROW'	EMERALD ARROW BOSNIAN PINE	5	1/l501
	PLATANUS X ACERIFOLIA	LONDON PLANE TREE MULTI-TRUNK	19	2L501
	TILIA CORDATA `HALKA` TM	SUMMER SPRITE LITTLELEAF LINDEN	11	3/L501
SHRUBS				
5 - CLE CA4	CLETHRA ALNIFOLIA `CALEB`	VANILLA SPICE	31	4&5/L501
	CORNUS STOLONIFERA `ARCTIC FIRE'	ARCTIC FIRE DOGWOOD	10	4&5/L501
	CONTINUS COGGYGRAIA PP30,216 'NCC01'	WINECRAFT SERIES SMOKEBUSH	3	
	EUONYMUS FORTUNEI `EMERALD `N GOLD'	EMERALD `N GOLD WINTERCREEPER	6	4&5/L501
	EUONYMUS FORTUNEI 'MOONSHADOW'	MOONSHADOW WINTERCREEPER	11	4&5/L501
	JUNIPERUS CHINENSIS 'ANGELICA BLUE'	ANGELICA BLUE JUNIPER	13	4&5/L501
	JUNIPERUS COMMUNIS 'BLUEBERRY DELIGHT'	BLUEBERRY DELIGHT JUNIPER	4	4&5/L501
	JUNIPERUS HORIZONTALIS `BLUE RUG`	BLUE RUG JUNIPER	41	4&5/L501
	JUNIPERUS SQUAMATA `BLUE STAR`	BLUE STAR JUNIPER	15	4&5/L501
	PHYSOCARPUS OPULIFOLIUS 'LITTLE DEVIL'	LITTLE DEVIL™ DWARF NINEBARK	30	4&5/L501
	PINUS MUGO 'SLOWMOUND'	SLOWMOUND MUGO PINE	7	4&5/L501
3 - PRU XCI	PRUNUS X CISTENA 'UCONNPC001'	DARKSTAR® PURPLE LEAF SAND CHERRY	6	4&5/L501
	RHUS AROMATICA 'AUTUMN AMBER	AUTUMN AMBER SUMAC	3	4&5/L501
	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	34	4&5/L501
	ROSA X 'CHEWPERADVENTURE'	OSO EASY® MANGO SALSA ROSE	37	4&5/L501
	SPIRAEA JAPONICA `FLAMING MOUND`	FLAMING MOUND JAPANESE SPIREA	22	4&5/L501
	WEIGELA FLORIDA 'BUBBLY WINE'	BUBBLEY WINE WEIGELA	24	4&5/L501
GRASSES				
	DESCHAMPSIA CESPITOSA `GOLDTAU`	GOLD DEW TUFTED HAIR GRASS	83	6/L501
	MISCANTHUS SINENSIS `LITTLE ZEBRA`	SILVER GRASS	2	6/L501
	MUHLENBERGIA REVERCHONII `PUND01S` TM	UNDAUNTED RUBY MUHLY	41	6/L501
	PANICUM VIRGATUM `SHENANDOAH`	SHENANDOAH SWITCH GRASS	6	6/L501
PERENNIAL				
	HELIOPSIS HELIANTHOIDES 'SUNSTRUCK'	VARIEGATED FALSE SUNFLOWER	31	6/L501
	LAVANDULA ANGUSTIFOLIA `HIDCOTE'	HIDCOTE LAVENDER	10	6/L501
	PEROVSKIA X `LONGIN'	RUSSIAN SAGE	15	6/L501

GOUNDCOVER SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY
GROUND COVERS			
	4" DEEP MILLERS MINI BARK MULCH -SEE DETAIL 8/L501 **ALL PLANTER BEDS TO RECEIVE MULCH EVEN IF NOT HATCHED**		21,368 SF
	3" DEEP $\frac{3}{4}$" GRAVEL MULCH - SEE DETAIL 9/L501		14,509 SF
	3" DEEP COMPACTED CHAT PAVING - SEE DETAIL 10/L501		2,174 SF
	SOD - DROUGHT TOLERANT LOCAL FESCUE BLEND SEE DETAIL 8/L501		172,596 SF

GENERAL PLANTING NOTES

A. PLANTING PLAN IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY PLANT QUANTITIES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLANT SYMBOLS AND QUANTITIES PRIOR TO PURCHASE ORDER.

B. SEE DETAILS 11 - 16/L501 AND 1 & 2/L502 BEFORE SELECTION OF PLANT MATERIALS. REJECT ALL POOR QUALITY PLANT MATERIAL AS OUTLINED IN DETAILS.

C. THE LANDSCAPE PLAN IS TO BE USED IN CONJUNCTION WITH THE IRRIGATION, CIVIL, MECHANICAL, ELECTRICAL AND ARCHITECTURAL SITE PLANS TO FORM COMPLETE INFORMATION REGARDING THIS SITE. CONTRACTOR TO COORDINATE ALL UTILITIES WITH PLANTINGS AS SHOWN HERE.

D. ALL PLANTING BEDS TO RECEIVE 4" DEPTH OF MINI BARK MULCH EVEN IF NOT HATCHED UNLESS OTHERWISE INDICATED ON PLAN. SEE PLANT SHEET L501, DETAIL 8.

E. AUTOMATIC IRRIGATION SYSTEM REQUIRED.

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	1	SEAT BOULDER 4' AND UP	21	7/L501
	2	RETAINING BOULDER 3' - 6'	+/-77	7/L501
32 EXTERIOR IMPROVEMENTS				
	32-16	8" WIDE CONCRETE FLAT MOWCURB	237 LF	10/L501

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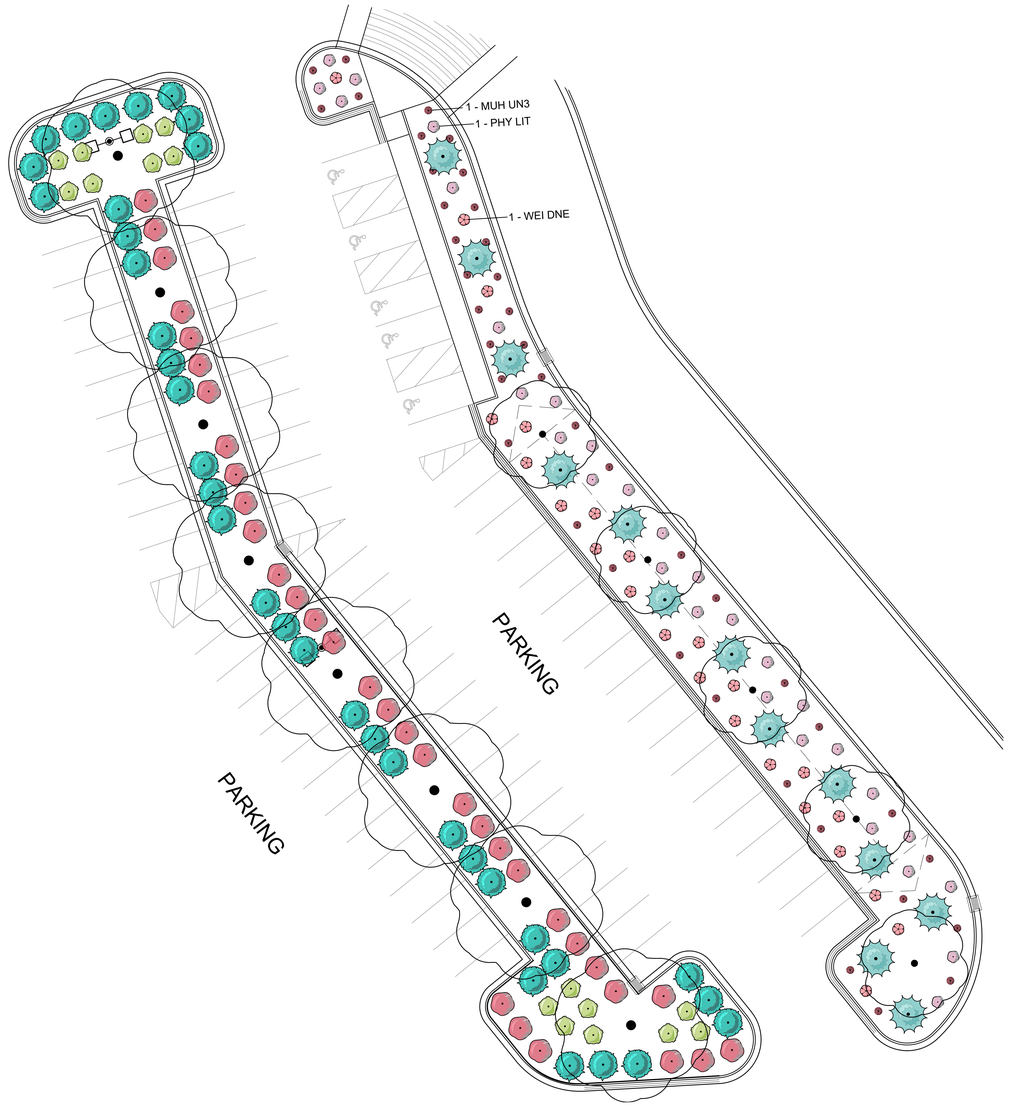
DRAWING ISSUE	BID SET
ISSUE DATE	03/21/25
NWL PROJECT	0718.002

LANDSCAPE ARCHITECT
JENNIFER MALONE
12016192-5301
03/25/25
STATE OF UTAH

△ DATE	REVISION

OVERALL PLANTING PLAN

LP101



PLANT SCHEDULE ENLARGED PLANS

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	DETAIL
SHRUBS				
	CLETHRA ALNIFOLIA `CALEB`	VANILLA SPICE	16	
	CORNUS STOLONIFERA `ARCTIC FIRE`	ARCTIC FIRE DOGWOOD	10	
	COTINUS COGGYGRIA PP30,216 `NCC01`	WINECRAFT SERIES SMOKEBUSH	3	
	EUONYMUS FORTUNEI `EMERALD `N GOLD`	EMERALD `N GOLD WINTERCREEPER	6	
	EUONYMUS FORTUNEI 'MOONSHADOW'	MOONSHADOW WINTERCREEPER	11	
	JUNIPERUS CHINENSIS 'ANGELICA BLUE'	ANGELICA BLUE JUNIPER	13	
	JUNIPERUS COMMUNIS 'BLUEBERRY DELIGHT'	BLUEBERRY DELIGHT JUNIPER	4	
	JUNIPERUS HORIZONTALIS `BLUE RUG`	BLUE RUG JUNIPER	41	
	JUNIPERUS SQUAMATA `BLUE STAR`	BLUE STAR JUNIPER	15	
PHY LIT	PHYSOCARPUS OPULIFOLIUS 'LITTLE DEVIL'	LITTLE DEVIL™ DWARF NINEBARK	30	
	PINUS MUGO 'SLOWMOUND'	SLOWMOUND MUGO PINE	7	
	RHUS AROMATICA `AUTUMN AMBER`	AUTUMN AMBER SUMAC	3	
	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	34	
	ROSA X 'CHEWPERADVENTURE'	OSO EASY® MANGO SALSA ROSE	37	
	SPIRAEA JAPONICA `FLAMING MOUND`	FLAMING MOUND JAPANESE SPIREA	22	
WEI DNE	WEIGELA FLORIDA 'BUBBLY WINE'	BUBBLEY WINE WEIGELA	24	
GRASSES				
	DESCHAMPSIA CESPITOSA `GOLDTAU`	GOLD DEW TUFTED HAIR GRASS	83	
	MISCANTHUS SINENSIS `LITTLE ZEBRA`	SILVER GRASS	2	
MUH UN3	MUHLENBERGIA REVERCHONII `PUND01S` TM	UNDAUNTED RUBY MUHLY	41	
	PANICUM VIRGATUM `SHENANDOAH`	SHENANDOAH SWITCH GRASS	6	
PERENNIAL				
	HELIOPSIS HELIANTHOIDES 'SUNSTRUCK'	VARIEGATED FALSE SUNFLOWER	31	
	LAVANDULA ANGUSTIFOLIA `HIDCOTE`	HIDCOTE LAVENDER	10	
	PEROVSKIA X `LONGIN`	RUSSIAN SAGE	15	

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
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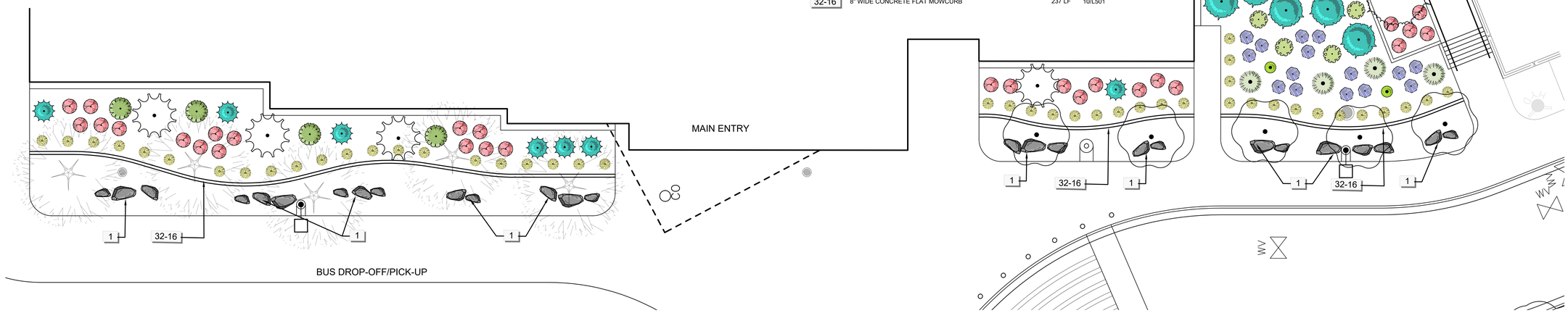
	2	RETAINING BOULDER 3' - 6'	+/-77	7/L501
32 EXTERIOR IMPROVEMENTS				
	32-16	8" WIDE CONCRETE FLAT MOWCURB	237 LF	10/L501



ENLARGED PLANTING PLAN A

SCALE: 1" = 16'

0 8 16' 32

GRAPHIC SCALE 1"= 16

ENLARGED PLANTING PLAN B

SCALE: 1" = 10'

0 5 10' 20

GRAPHIC SCALE 1"= 10

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CACHE COUNTY
SCHOOL DISTRICT

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84335

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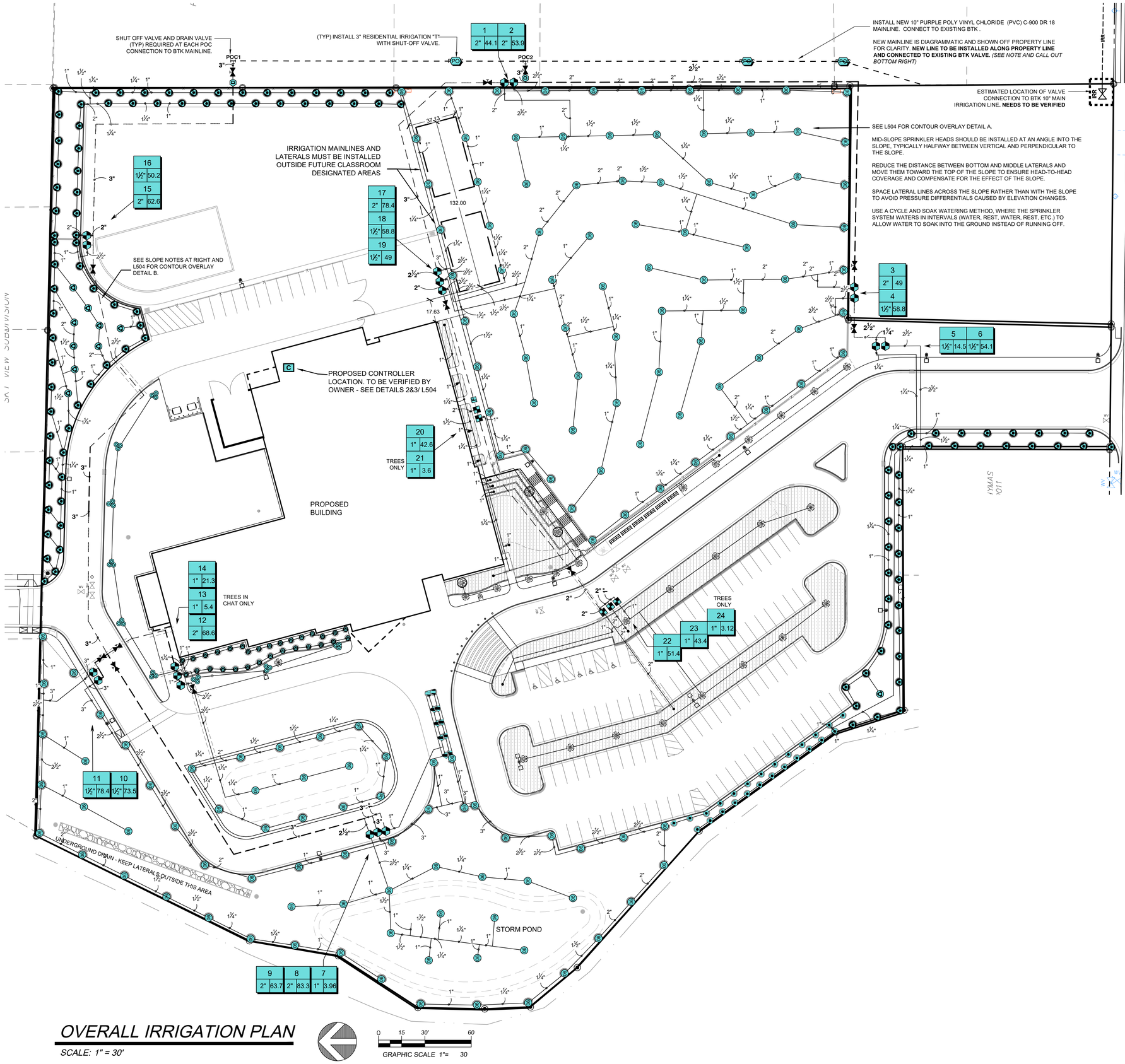
ISSUE DATE	02/21/25
NWL PROJECT	0119.002

LICENSED LANDSCAPE ARCHITECT
JENNIFER MALGHAN
12016192-5501
03/25/25
STATE OF UTAH

△ DATE REVISION

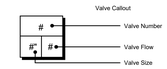
ENLARGED PLANTING PLANS

LP102



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	DETAIL
Q T H F	RAIN BIRD PA-8S-PRS-NP-MPR 10 SERIES MPR	30	3&4/L503
LST SST RST	RAIN BIRD R-VAN-STRIP 1806-SAM-P45-NP	10	3&4/L503
14 ADJ 14 F	RAIN BIRD R-VAN14 1806-SAM-P45-NP	25	3&4/L503
24 ADJ 24 F	RAIN BIRD R-VAN24 1806-SAM-P45-NP	137	3&4/L503
SYMBOL	MANUFACTURER/MODEL	QTY	DETAIL
MB	RAIN BIRD 8504-PC, FC-SS 06	169	3&4/L503
SYMBOL	MANUFACTURER/MODEL	QTY	DETAIL
	RAIN BIRD XCZ-100-PRB-R	5	11/L503
	RAIN BIRD XFDE-06-12 DRIP RING	38	14/L503
5.0 7.0 10.0	RAIN BIRD PCT BUBBLER - 3 PER TREE	9	8-9/L503
S SS M MS L LS	RAIN BIRD XT025 W/ PC MODULE	1,090	8-9/L503
	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XT025 W/ XERI-BUG	17,407 SF	8/L503
	XB-05PC emitters (2 assigned to each 1 - 3 gal shrubs XB-05PC emitters (3) assigned to each 5 gal shrubs XB-10PC emitters (3) assigned to each 10 gal shrubs		8-9/L503
SYMBOL	MANUFACTURER/MODEL	QTY	DETAIL
	RAIN BIRD EFB-CP-PRS-D - SEE PLAN FOR SIZING	19	5/L503
	SHUT OFF VALVE/ ISOLATION VALVE	12	13/L503
D	DRAIN VALVE- 1 PER POC PLUS AS MANY AS NEEDED AT LOW POINTS THROUGHOUT SYSTEM	5+	1/L504
F	AMIAD 2-A-MSIG-STEEL SCREEN - HYDRAULIC FILTER	1	16/L503
POC	3" RESIDENTIAL HOOK-UP WITH SHUT OFF VALVE	3	
POC	POINT OF CONNECTION 3" WITH SHUT OFF VALVE AND DRAIN VALVE	2	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	12,923 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	3,352 LF	
	PIPE SLEEVE: POLYETHYLENE AND PVC CLASS 200	483.9 LF	1&2/L503



IRRIGATION GENERAL NOTES

1. THIS PLAN IS DIAGRAMMATIC, SOME SYSTEM COMPONENTS ARE SHOWN IN PAVED AREAS AND BUILDINGS FOR CLARITY AND LEGIBILITY. **ALL IRRIGATION EQUIPMENT AND COMPONENTS ARE TO BE INSTALLED IN LANDSCAPE AREAS.**

2. CONTRACTOR TO BEST FIT IRRIGATION HEADS AS SHOWN IN DESIGN DRAWINGS TO ACTUAL SITE CONDITIONS, SOME AREAS MAY VARY DUE TO ACTUAL ON-SITE CONDITIONS. CONTRACTOR TO COORDINATE ALL NECESSARY SLEEVING ACCORDINGLY. CONTRACTOR TO ENSURE HEAD-TO-HEAD COVERAGE AND SHALL ADD/REMOVE OR ADJUST HEAD AS NECESSARY FOR FIELD CONDITIONS.

3. DUE TO ONSITE VARIATIONS SOME AREAS TO RECEIVE SPRAY HEADS MAY RECEIVE ADJUSTABLE ARC NOZZLE TO REPLACE FIXED ARC NOZZLES. CONTRACTOR TO FIELD VERIFY CONDITIONS AND REPLACE AS NECESSARY. ANY PROPOSED REPLACEMENT OF 5 OR MORE NOZZLES PER ZONE TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. THIS SYSTEM IS BASED UPON AN AVAILABLE WORKING PRESSURE OF 40 PSI MINIMUM AT THE WORST CASE HEAD AND 50-65 PSI MINIMUM PRIOR TO EACH VALVE. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION. CONTACT LANDSCAPE ARCHITECT IMMEDIATELY IF THESE PRESSURES ARE NOT ATTAINABLE.

5. ALL VALVE BOXES TO BE PLACED IN SHRUB BEDS AND EASILY ACCESSED AND MAINTAINED (WITHIN 12" FROM BACK OF CURB, SIDEWALK OR MOWSTRIP). REFER TO IRRIGATION **DETAILS 5-7, SHEET L503**.

6. CONTRACTOR TO LOCATE SLEEVES WHERE MAINLINE AND LATERAL IRRIGATION LINES CROSS UNDER ANY PAVED SURFACE AS SHOWN ON PLAN. SLEEVES SHALL BE TWO SIZES LARGER THAT PIPES TO BE SLEEVED. MULTIPLE SLEEVES MAY BE PLACED IN A SINGLE TRENCH. SLEEVES TO EXTEND 6" BEYOND PAVED SURFACE ON EACH SIDE. WIRES ARE TO BE SLEEVED UNDER PAVED SURFACES. **SEE 1 & 2/L503**.

7. IT IS RECOMMENDED THAT ALL IRRIGATION SYSTEM INSTALLATION WORK BE COMPLETED UNDER DIRECTION OF A FOREMAN OR SUPERVISOR WITH FIVE YEARS MINIMUM EXPERIENCE IN IRRIGATION SYSTEM INSTALLATION. ADDITIONALLY, CONTRACTOR SHALL BE A FACTORY APPROVED INSTALLER OF WEATHERTRACK SYSTEMS OR OTHERWISE QUALIFIED AS DEFINED IN THE SPECIFICATIONS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PRODUCTS AND MATERIALS INSTALLED ARE IN ACCORDANCE WITH CURRENT LAWS AND LOCAL REGULATIONS.

9. **ALL IRRIGATION SYSTEM PIPING TO BE GRADED SO THE SYSTEM CAN BE COMPLETELY DRAINED OR BLOWN OUT WITH COMPRESSED AIR, TO ENSURE THE PROPER WINTERIZATION OF THE IRRIGATION SYSTEM**. SEE LI202 FOR CONTOUR OVERLAY.

10. CONTRACTOR SHALL USE NO PIPE SMALLER THAN 1" FOR ANY WATER DELIVERY PORTIONS OF THE IRRIGATION SYSTEM AND NO LATERAL DELIVERY LINES SMALLER THAN 1" SHALL BE USED ON ANY DRIP ZONE.

11. PIPE SIZE RELATES TO THE ACCUMULATION OF HEADS AND THE FLOW NEEDS OF EACH HEAD. GENERALLY THE PIPE SIZE IS LARGEST NEAR THE VALVE AND GETS SMALLER AS IT MOVES TOWARD THE END-LINE SPRINKLER HEADS.

12. CONTRACTOR IS REQUIRED TO ENSURE ALL NECESSARY COMPONENTS ARE READY FOR CONTROLLER INSTALLATION, SEE SPECIFICATION AND MANUFACTURER'S GUIDELINES FOR MORE INFORMATION.

13. CONTRACTOR TO FURNISH AND INSTALL ALL SELENOID DECODERS (ADAPTERS) AS REQUIRED FOR VALVE OPERATION, SEE SPECIFICATIONS.

14. IRRIGATION CONTROLLER SHALL BE GROUNDED WITH GROUNDING ROD INSTALLATION TO MEET MANUFACTURERS GUIDELINES.

15. TWO-WIRE PATH MUST BE GROUNDED AT A MINIMUM OF EVERY 500' ALONG PATH. GROUNDING MAY OCCUR AT DECODERS OR INLINE. GROUNDING RODS MAY BE INSTALLED IN SEPARATE BOX WITH CAD WELD ON DECODER GROUND WIRE; GROUNDING RODS TO BE SET A MINIMUM OF 8' AWAY FROM TWO-WIRE PATH.

16. CONTRACTOR TO FURNISH AND INSTALL HYDROMETER AS IDENTIFIED IN SPECIFICATIONS AND DETAILS. THERE IS A PRE-ASSEMBLED HYDROMETER CONFIGURED TO WORK WITH THE WEATHERTRAK CONTROLLER, SEE MANUFACTURES RECOMMENDATIONS. THIS PRE-ASSEMBLED KIT IS RECOMMENDED. CONTRACTOR TO ENSURE ALL NECESSARY CONFIGURATION OF HYDROMETER TO WORK WITH WEATERTRAK CONTROLLER. HYDROMETER REQUIREMENTS MAY VARY IN SECONDARY IRRIGATION CONDITIONS. VERIFY ANY SECONDARY HYDROMETER REQUIREMENTS.

17. CONTRACTOR TO USE TREE-DRIP OR BUBBLER EMITTERS FOR ALL PROPOSED DECIDUOUS AND EVERGREEN TREES THAT ARE IN PLANTER BEDS ONLY; NOT REQUIRED FOR TREES IN TURF AREAS. THIS CONFIGURATION MAY BE USED IN CONJUNCTION WITH DRIP TUBING SYSTEM. USE CARE IN APPLICATION, DO NOT WATER AREAS WHERE NO SHRUBS OR TREES ARE PROPOSED.

OVERALL IRRIGATION PLAN

SCALE: 1" = 30'

0 15 30' 60

GRAPHIC SCALE 1"= 30

naylor wentworth lund
a r c h i t e c t s

C·L
Cache • Landmark
Engineers
Surveyors
Planners
95 W. Golf Course Rd.
Suite 101
Logan, UT 84321
435.713.0099

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84335

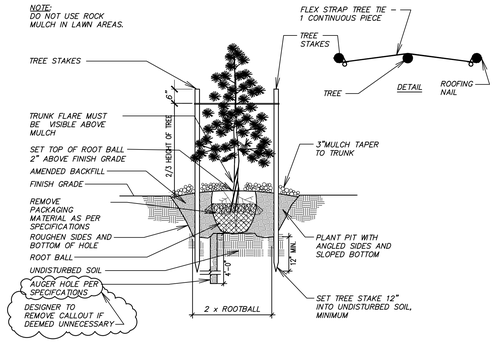
DRAWING ISSUE	B/D SET
ISSUE DATE	03/21/25
NWL PROJECT	01193.002

JENNIFER MAUGHAN
12016192-5301
03/25/25
STATE OF UTAH

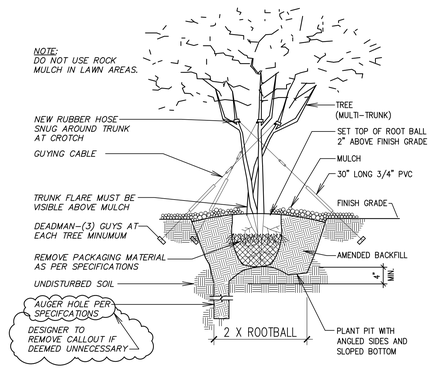
△	DATE	REVISION

OVERALL IRRIGATION PLAN

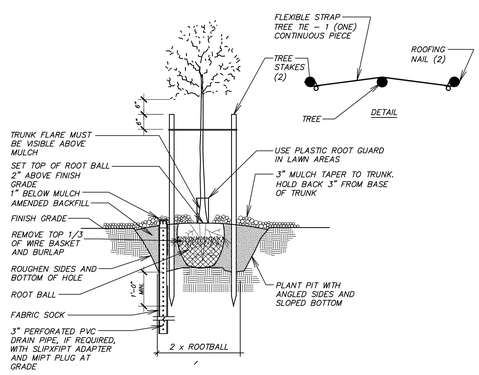
LI201



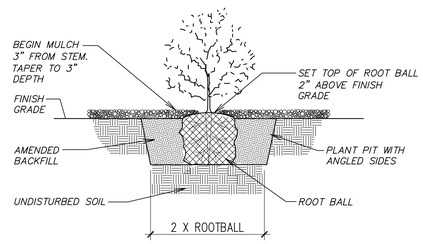
1 EVERGREEN PLANTING DETAILS
1/16" = 1'-0" P-CO-CLM-PLAN-03



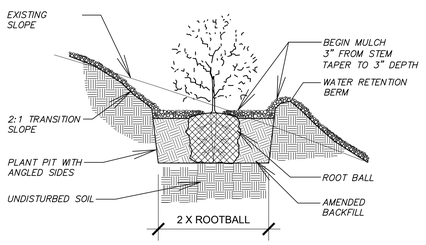
2 MULTI-STEM TREE GUYING DETAIL
1/16" = 1'-0" P-CO-CLM-PLAN-04



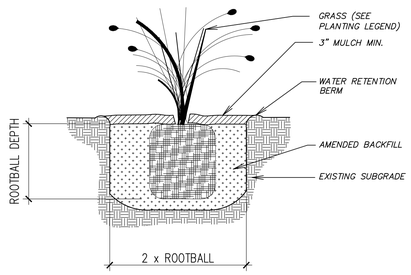
3 TREE STAKING AND PLANTING DETAIL
1/16" = 1'-0" P-CO-CLM-PLAN-02



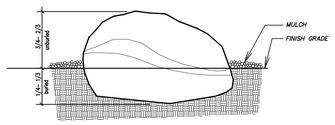
4 SHRUB DETAIL
1/16" = 1'-0" P-CO-CLM-PLAN-05



5 SLOPE DETAILS
1/8" = 1'-0" P-CO-CLM-PLAN-07

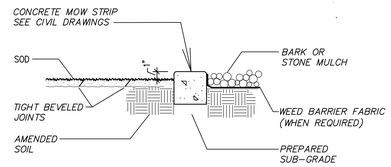


6 ORNAMENTAL GRASS DETAIL
1/16" = 1'-0" P-CO-CLM-58

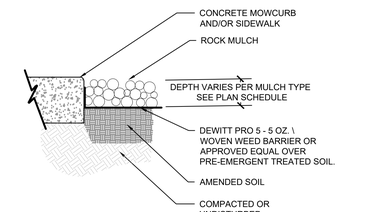


7 BOULDER DETAIL
1/16" = 1'-0" P-CO-CLM-PLAN-06

NOTES:
1. MOW STRIP TO BE CAST–IN–PLACE AND POURED USING TYPICAL WEIGHT STRUCTURAL CONCRETE.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AROUND MOW STRIPS–DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOW STRIP.
3. MAXIMUM 1/2" WIDTH VARIATION.
4. PRECISELY FOLLOW LAYOUT AS SHOWN ON MOW STRIP/EDGING DIMENSION PLAN.
5. RAISE THE LAWN GRADE 1" WHEN SEEDING.

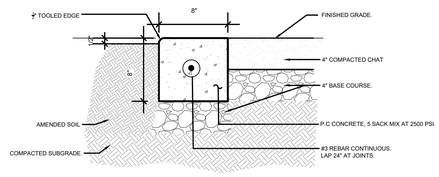


8 MOWCURB, SOD, AND MULCH DETAIL
1/8" = 1'-0" P-CO-CLM-PLAN-08

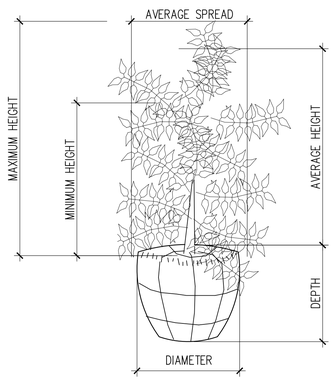


NOTES:
1. APPLY PRE-EMERGENT HERBICIDE TO SHRUB AND GROUNDCOVER PLANTING AREAS AND GRASS-FREE AREAS AT TREES IN LAWN PRIOR TO PLAEMENT OF WEED BARRIER FABRIC AND MULCH.
2. PRE-EMERGENT SHALL BE "SURFLAN AS" (LIQUID) BY UNITED PHOSPHORUS INC. TRENTON, NJ, OR APPROVED EQUAL.
3. INSTALL MULCH TO UNIFORM DEPTH OVER GRADED AND LEVELED SOIL AND RAKE TO NEAT FINISHED APPEARANCE FREE OF HUMPS AND DEPRESSIONS.

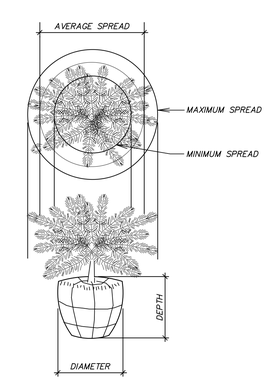
9 ROCK MULCH DETAIL
1" = 1'-0" P-CO-CLM-PLAN-11



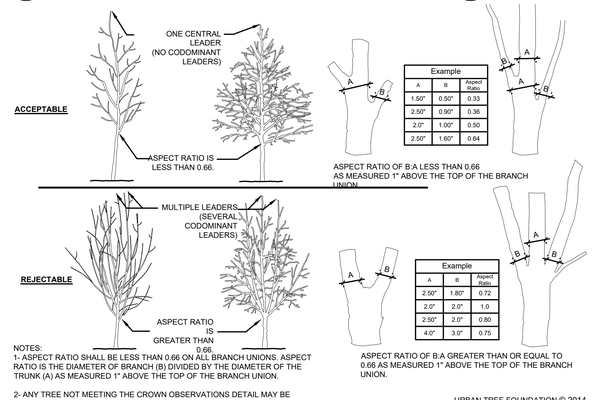
10 8" CONCRETE APRON CHAT PAVING EDGING
3/4" = 1'-0" P-CO-CLM-30



11 TYP MEASUREMENTS BROAD UPRIGHT PLANT
1/16" = 1'-0" P-CO-CLM-54



12 TYP MEASUREMENT PROSTRATE PLANTS
1/16" = 1'-0" P-CO-CLM-PLAN-10



NOTES:
1- ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

2- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

13 CROWN OBSERVATIONS - HIGH BRANCHED
1/4" = 1'-0" P-CO-CLM-03

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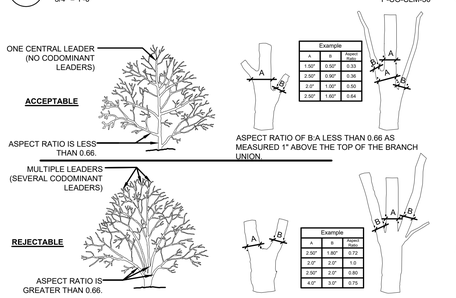

NOTES:
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2- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

14 CROWN OBSERVATIONS - LOW BRANCHED
3/16" = 1'-0" P-CO-CLM-04

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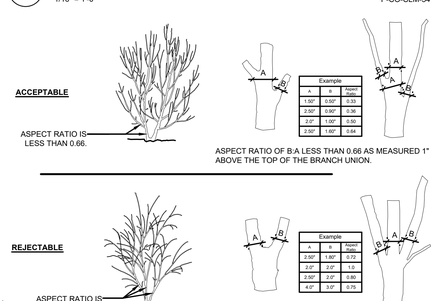

NOTES:
1- ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

2- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

15 CROWN OBSERVATION DETAIL - MULTI
3/16" = 1'-0" P-CO-CLM-05

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CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
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84335

DRAWING ISSUE | BID SET
ISSUE DATE | 03/21/25
NWL PROJECT | 0718.002

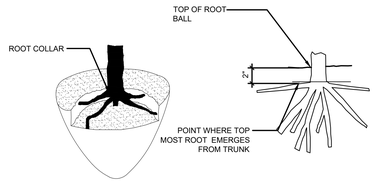
LICENSED LANDSCAPE ARCHITECT
JENNIFER WALCHER
12016192-5301
03/25/25
STATE OF UTAH

△ DATE REVISION

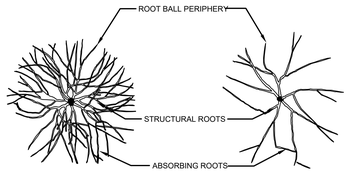
PLANTING DETAILS
PLANT SELECTION
PLANT CORRECTION

L501

ACCEPTABLE

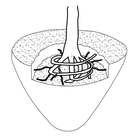


THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

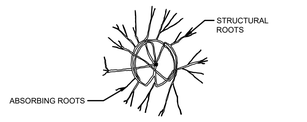


ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFECTING DOWN OR AROUND.

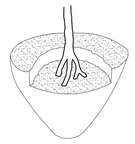
REJECTABLE



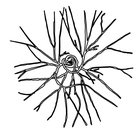
STRUCTURAL ROOTS CIRCLE INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



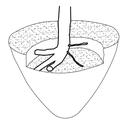
ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.



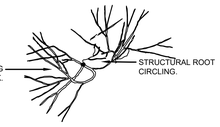
STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.



STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.



STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/OR GROW TANGENT TO TRUNK.

NOTES:
1- OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SOIL MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER THE OBSERVATIONS HAVE BEEN COMPLETED.

2- SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

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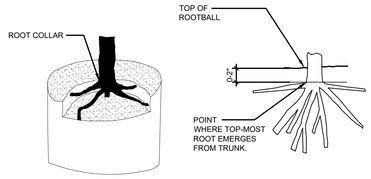
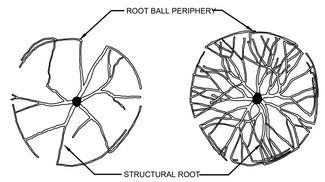
10 ROOT OBSERVATIONS DETAIL - BALLED AND BURLAPPED

1 1/2" = 1'-0" P-CO-CLM-01

ACCEPTABLE

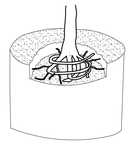


THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

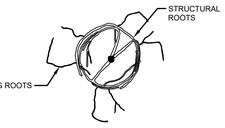


ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFLECTING DOWN OR AROUND.

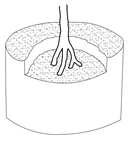
REJECTABLE



STRUCTURAL ROOTS CIRCLE INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



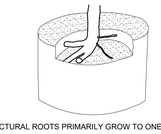
ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.



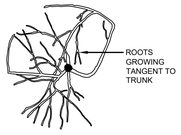
STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.



STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.



STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/OR GROW TANGENT TO TRUNK.

NOTES:
1- OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SUBSTRATE MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER OBSERVATION HAS BEEN COMPLETED.
2- SMALL ROOTS (1/4" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPERHY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3- SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

11 ROOT OBSERVATIONS DETAIL - CONTAINER

1 1/2" = 1'-0" P-CO-CLM-02

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ISSUE DATE 03/21/25
NWL PROJECT 0119.002

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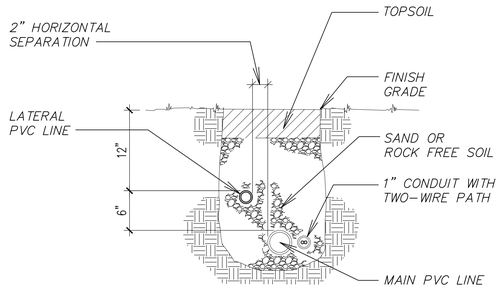
03/25/25
STATE OF UTAH

△ DATE REVISION

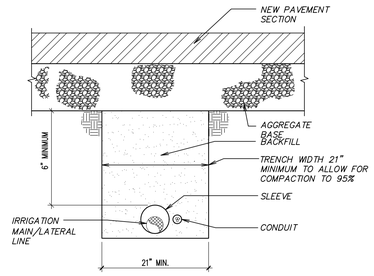
PLANT SELECTION AND CORRECTION

L502

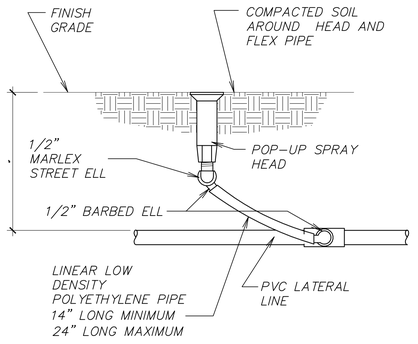


TWO-WIRE SYSTEM

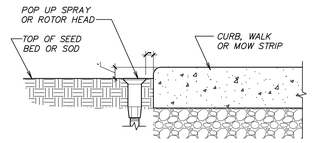
1 TRENCH DETAIL
3/16" = 1'-0"



2 NEW PAVEMENT TRENCH DETAIL
1/8" = 1'-0" P-CO-CLM-19

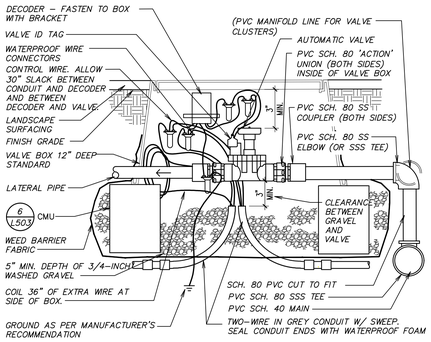


3 SPRAY AND ROTARY HEAD ASSEMBLY
3/16" = 1'-0" P-CO-CLM-18



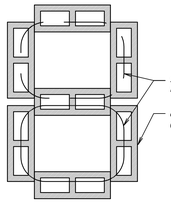
4 SPRAYHEAD OR ROTOR NEXT TO SIDEWALK
1/8" = 1'-0" P-CO-CLM-22

NOTES:
1. LIMIT 1 VALVE PER BOX.
2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
3. PROVIDE MIN. 2" CLEARANCE BETWEEN CONDUIT AND CMU BLOCK.

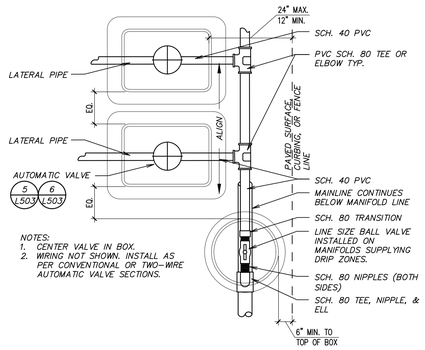


5 AUTOMATIC VALVE W/TWO-WIRE SYSTEM
1/8" = 1'-0" P-CO-CLM-12

NOTES:
1. VALVE BOX TO REST ON (4) CMU BLOCKS (ONE FOR EACH SIDE).
2. CLUSTERED VALVE BOXES MAY SHARE A CMU BLOCK.

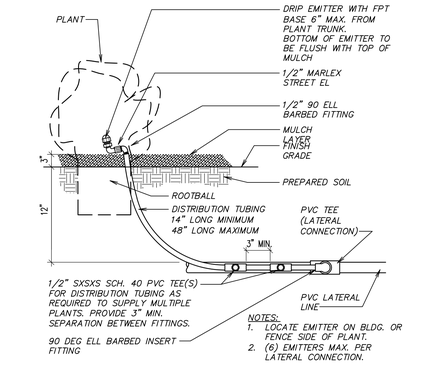


6 CMU PLACEMENT
1/8" = 1'-0" P-CO-CLM-25



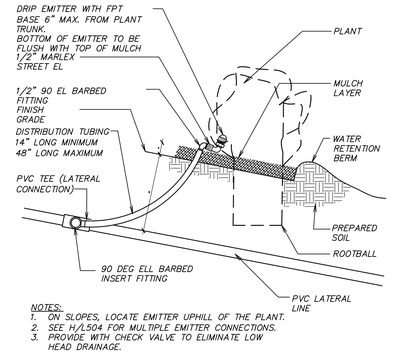
NOTES:
1. CENTER VALVE IN BOX.
2. WIRING NOT SHOWN. INSTALL AS PER CONVENTIONAL OR TWO–WIRE AUTOMATIC VALVE SECTIONS.

7 MANIFOLD AND VALVE ASSEMBLY
1/8" = 1'-0" P-CO-CLM-26



NOTES:
1. LOCATE EMITTER ON BLDG. OR FENCE SIDE OF PLANT.
2. (6) EMITTERS MAX. PER LATERAL CONNECTION.

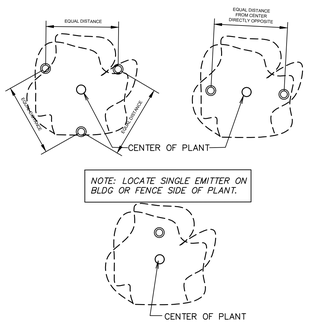
8 FPT DRIP OR BUBBLER EMITTER DETAIL
1/8" = 1'-0" P-CO-CLM-29



NOTES:
1. ON SLOPES, LOCATE EMITTER UPHILL OF THE PLANT.
2. SEE H/L504 FOR MULTIPLE EMITTER CONNECTIONS.
3. PROVIDE WITH CHECK VALVE TO ELIMINATE LOW HEAD DRAINAGE.

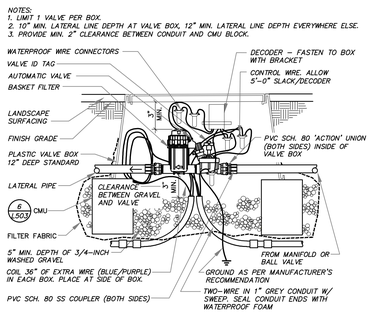
9 FPT DRIP OR BUBBLER EMITTER ON SLOPE
1/8" = 1'-0" P-CO-CLM-28

DRIP EMITTER WITH FPT BASE 6" MAX. FROM PLANT TRUNK. BOTTOM OF EMITTER TO BE FLUSH WITH TOP OF MULCH

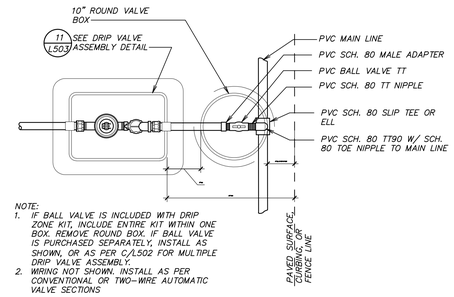


10 DRIP OR BUBBLER EMITTER LOCATION DETAIL
1/8" = 1'-0" P-CO-CLM-11

NOTES:
1. LIMIT 1 VALVE PER BOX.
2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
3. PROVIDE MIN. 2" CLEARANCE BETWEEN CONDUIT AND CMU BLOCK.

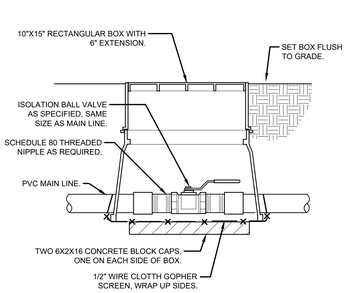


11 DRIP VALVE ASSEMBLY SECTION - TWO-WIRE SYSTEM
3/4" = 1'-0" 328413.76-03

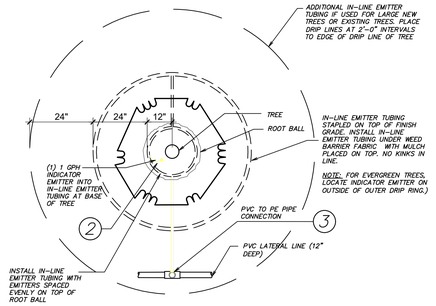


NOTE:
1. IF BALL VALVE IS INCLUDED WITH DRIP ZONE KIT, INCLUDE ENTIRE KIT WITHIN ONE BOX. REMOVE ROUND BOX. IF BALL VALVE IS PURCHASED SEPARATELY, INSTALL AS SHOWN, OR AS PER C/L502 FOR MULTIPLE DRIP VALVE ASSEMBLY.
2. WIRING NOT SHOWN. INSTALL AS PER CONVENTIONAL OR TWO–WIRE AUTOMATIC VALVE SECTIONS

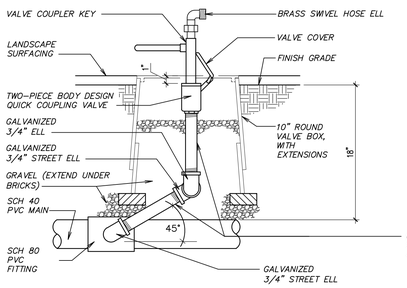
12 DRIP VALVE ASSEMBLY
1/8" = 1'-0" P-CO-CLM-14

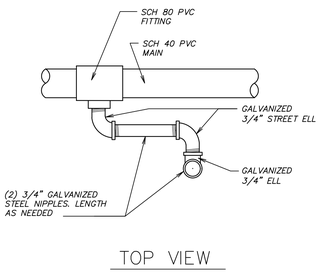


13 BRASS BALL ISOLATION VALVE
1 1/2" = 1'-0" P-CO-CLM-17

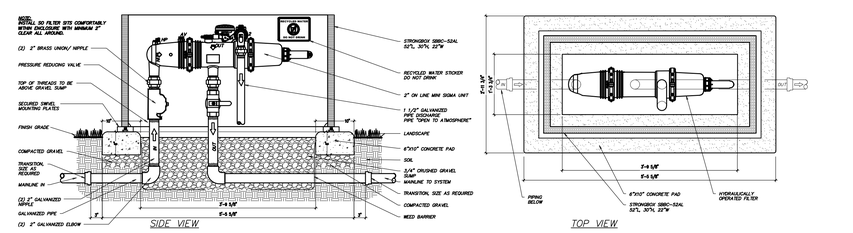


14 TREE DRIP-PLAN VIEW (PLANTER AREAS)
3/32" = 1'-0" P-CO-CLM-23





15 QUICK COUPLER
1/8" = 1'-0" P-CO-CLM-13



16 HYDRAULICALLY OPERATED FILTER
1/16" = 1'-0" P-CO-CLM-38

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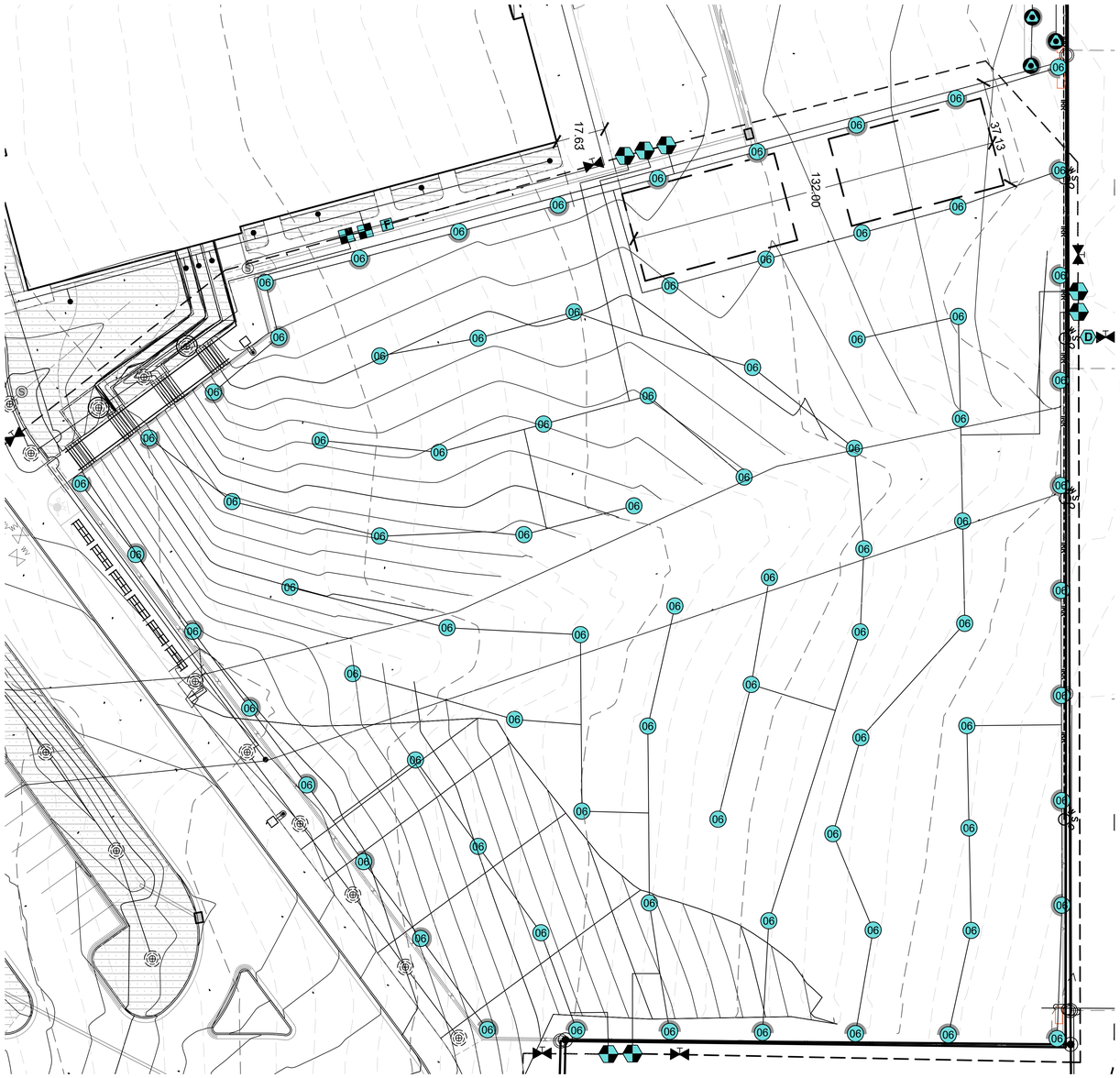
DRAWING ISSUE	ISSUE DATE
BID SET	02/21/25
NWL PROJECT	0119.002

LICENSED LANDSCAPE ARCHITECT
JENNIFER MAUGHAN
12016192-5301
03/25/25
STATE OF UTAH

△ DATE	REVISION

IRRIGATION DETAILS

L503

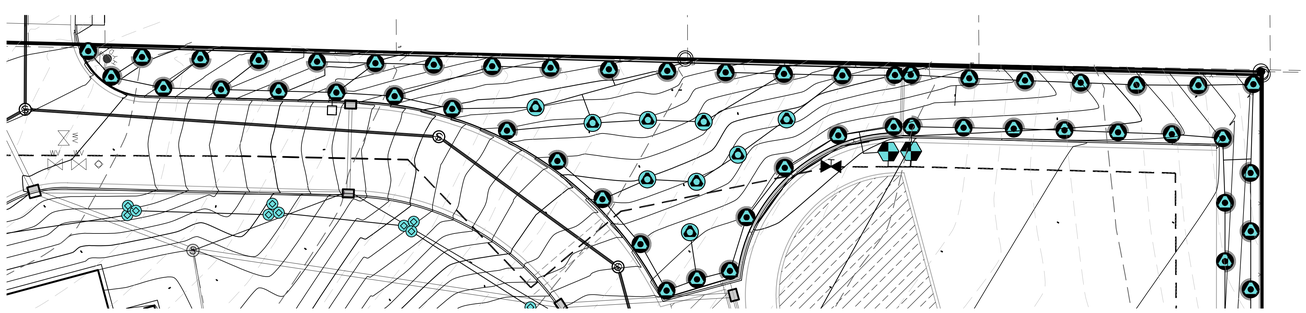


CONTOUR OVERLAY DETAIL A

SCALE: 1" = 30'

0 15 30' 60

GRAPHIC SCALE 1"= 30

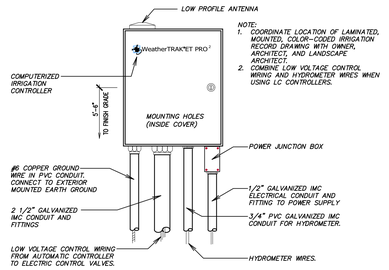


CONTOUR OVERLAY DETAIL B

SCALE: 1" = 30'

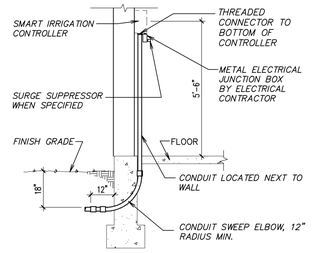
0 15 30' 60

GRAPHIC SCALE 1"= 30



2 SMART CONTROLLER

3/32" = 1'-0" P-CO-CLM-32



3 INTERIOR WALL MOUNT

1/8" = 1'-0" P-CO-CLM-35

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DRAWING ISSUE | BID SET
ISSUE DATE | 02/21/25
NWL PROJECT | 0119.002

LICENSED LANDSCAPE ARCHITECT
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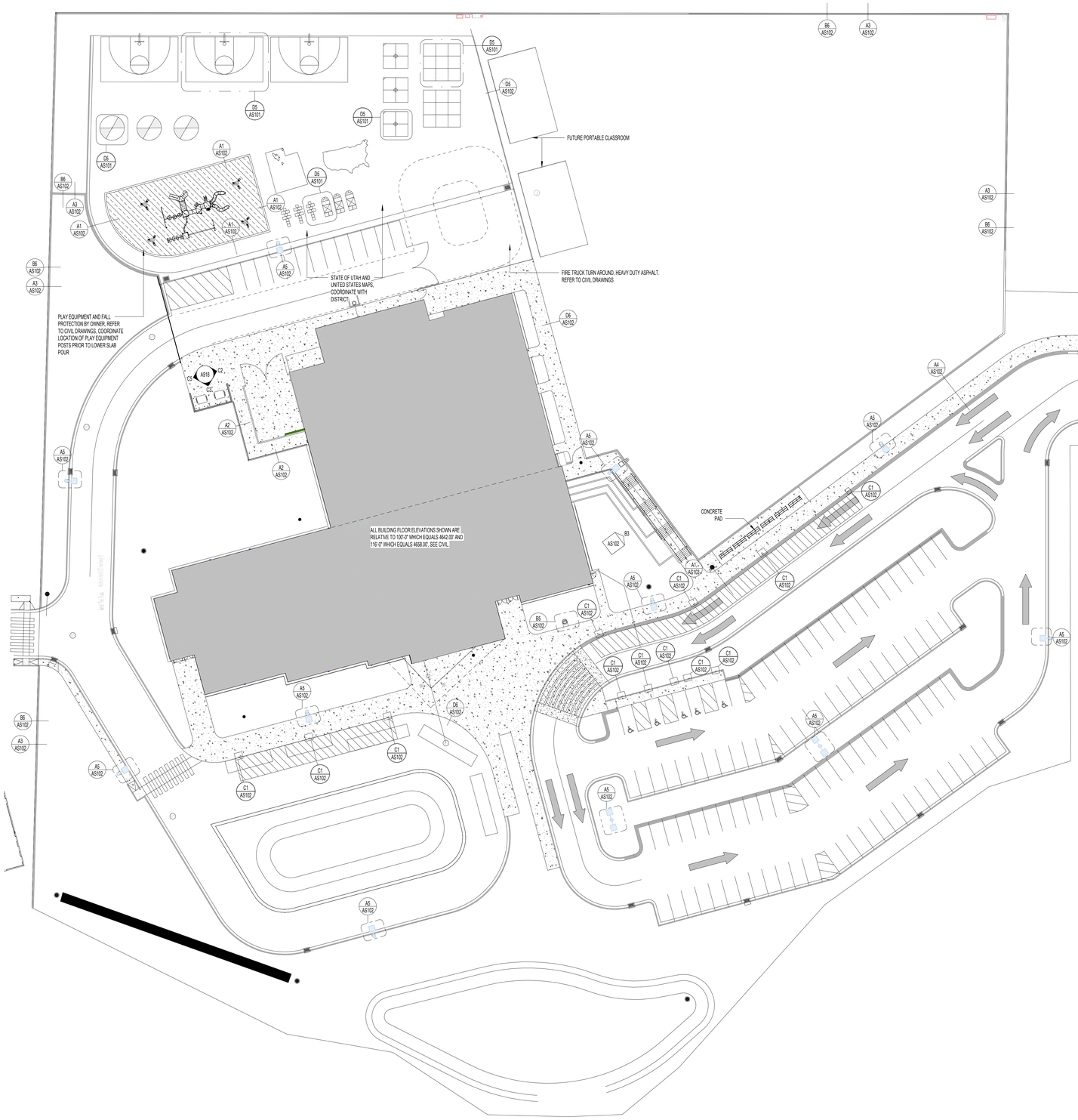
12016192-5301
03/25/25
STATE OF UTAH

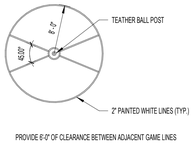
△ DATE REVISION

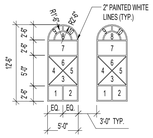
IRRIGATION DETAILS

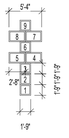
L504

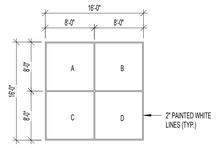


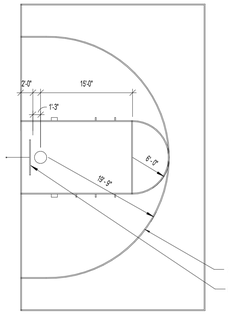
A1 AS101 **SITE PLAN**
1" = 30'-0"



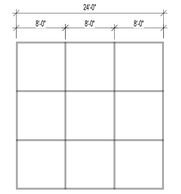


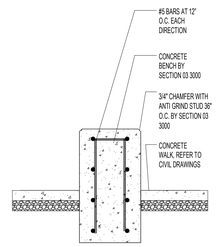




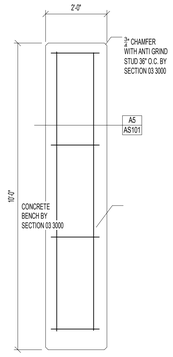


D5 AS101 **PLAYGROUND STRIPING**
1" = 10'-0"





A5 AS101 DETAIL
Scale: 1/2" = 1'-0"



A6 AS101 DETAIL
Scale: 1/2" = 1'-0"

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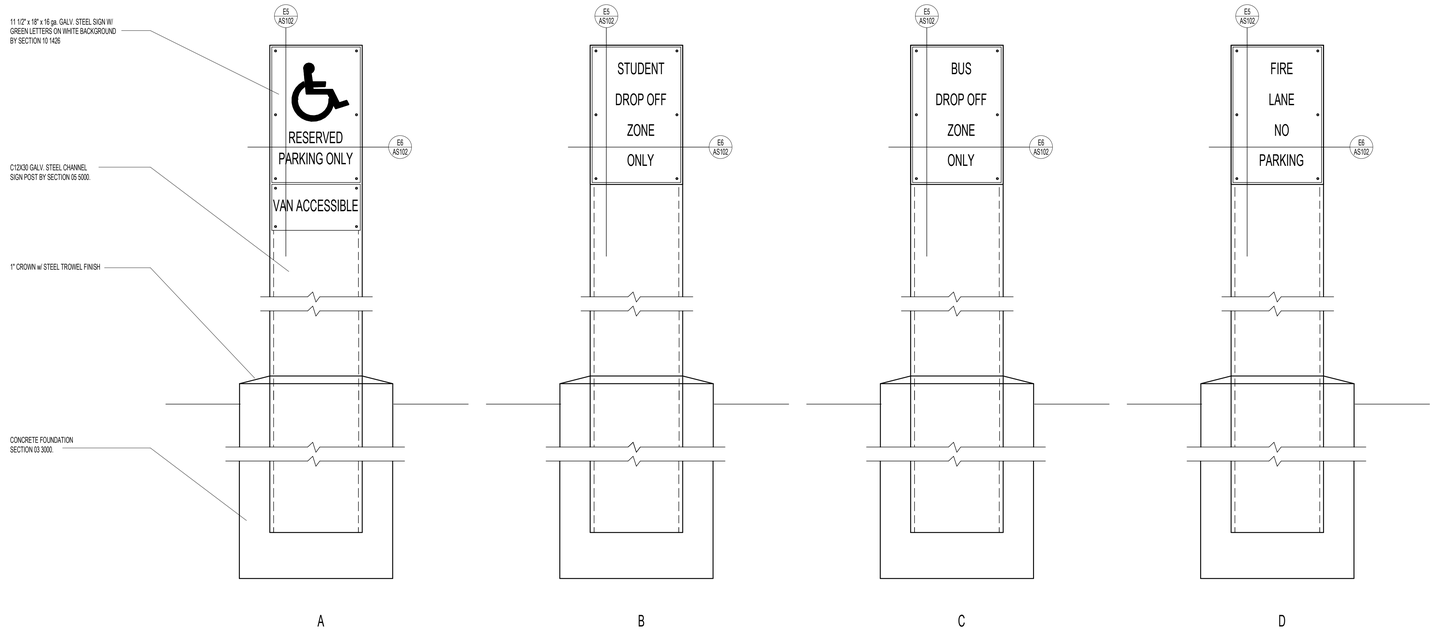
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0116.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

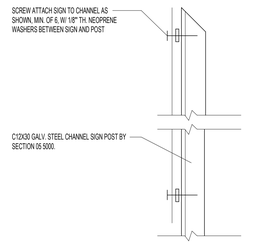
DATE	REVISION

ARCHITECTURAL SITE PLAN

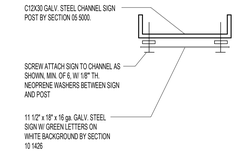
AS101



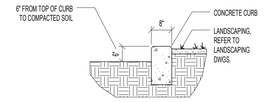
C1 AS102 **PARKING DETAILS** 1 1/2" = 1'-0"

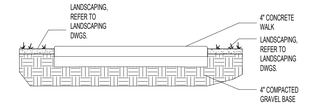


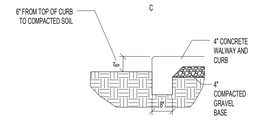
E5 AS102 DETAIL Scale: 1/2" = 1'-0"

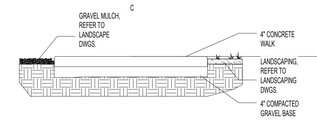


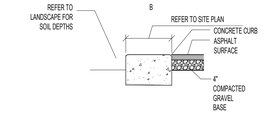
E5 AS102 DETAIL Scale: 1/2" = 1'-0"

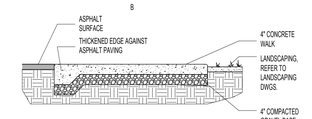






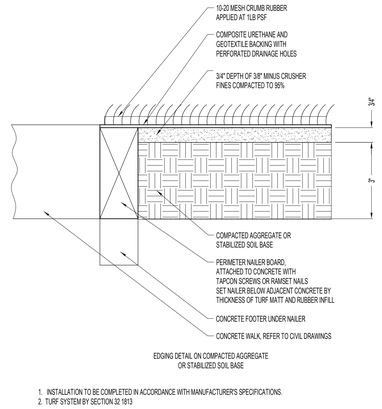






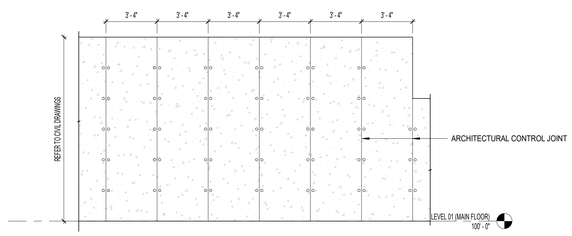
D5 AS102 CONCRETE CURB DETAILS Scale: 1/2" = 1'-0"

D6 AS102 CONCRETE WALKWAY DETAILS Scale: 1/2" = 1'-0"

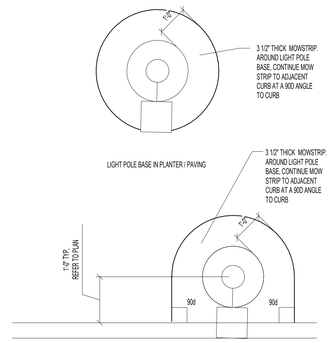


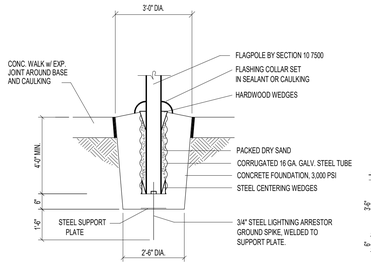
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. TURF SYSTEM BY SECTION 32 1813

B1 AS102 DETAIL Scale: 1/2" = 1'-0"

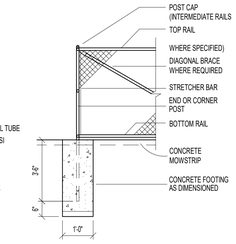


B3 AS102 **SITE RETAINING WALL JOINT PLACEMENT, TYPICAL** 1/4" = 1'-0"

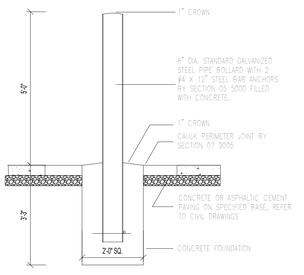




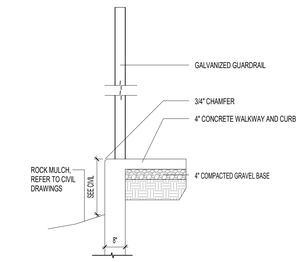
B5 AS102 FLAGPOLE DETAIL Scale: 1/2" = 1'-0"



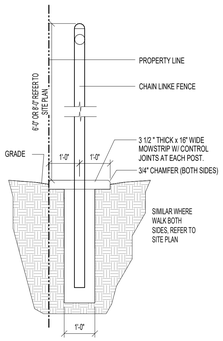
B6 AS102 CHAINLINK FENCING Scale: 1/2" = 1'-0"



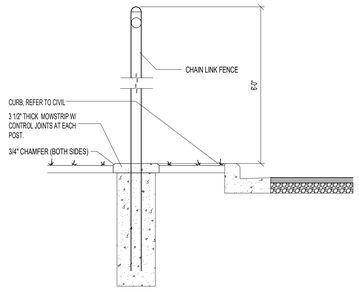
A1 AS102 DETAIL Scale: 1/2" = 1'-0"



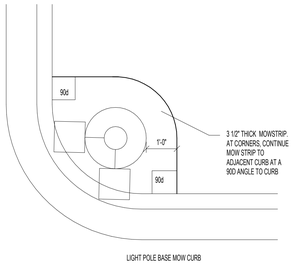
A2 AS102 DETAIL Scale: 1/2" = 1'-0"



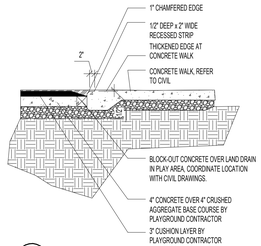
A3 AS102 DETAIL Scale: 1/2" = 1'-0"



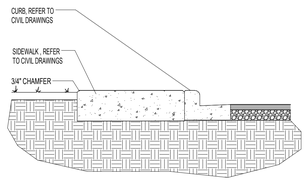
A4 AS102 DETAIL Scale: 1/2" = 1'-0"



A5 AS102 LIGHT POLE DETAILS Scale: N.T.S.



A6 AS102 DETAIL Scale: 1/2" = 1'-0"



A6A AS102 DETAIL Scale: 1/2" = 1'-0"

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#183992
#7247356
LICENSED ARCHITECT

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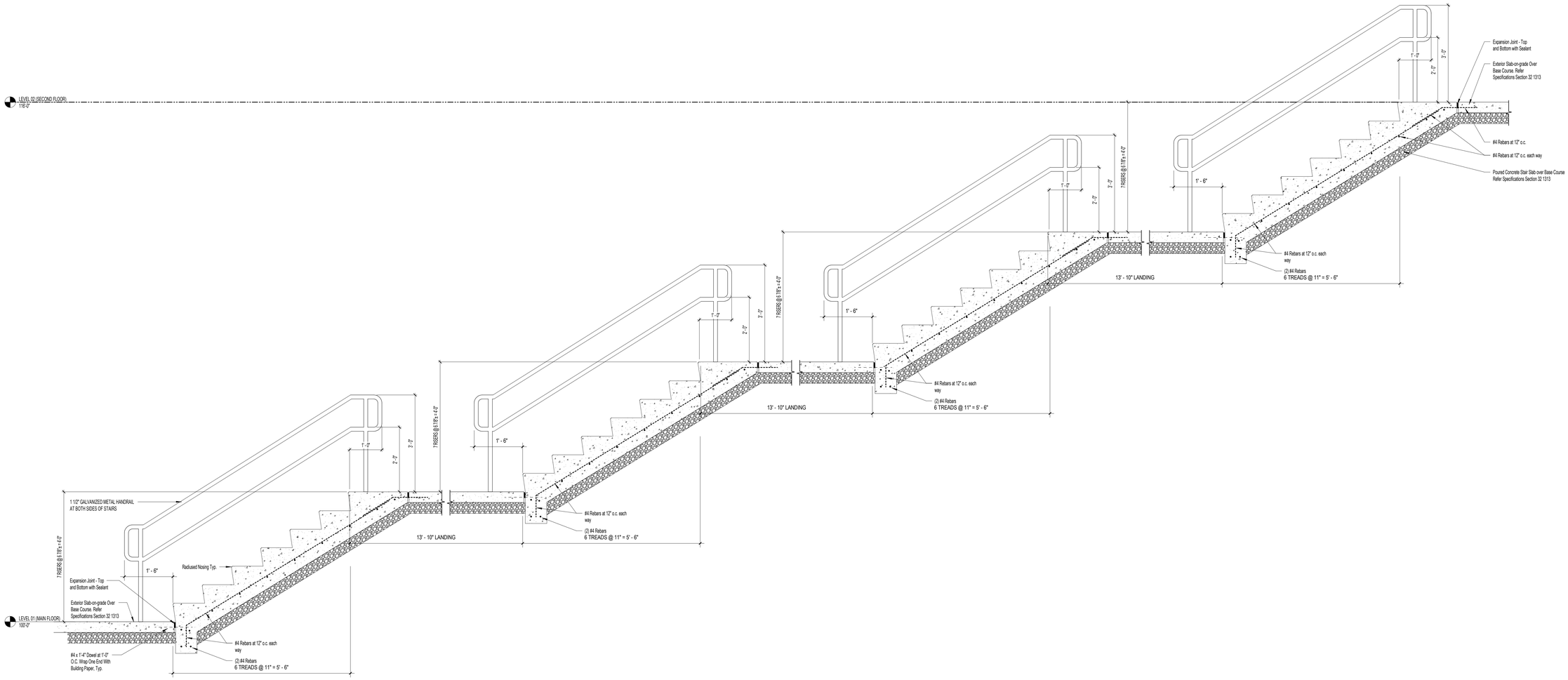
ARCHITECTURAL SITE DETAILS

AS102



A1 / AS103 **SITE STAIR SECTION**
3/4" = 1'-0"

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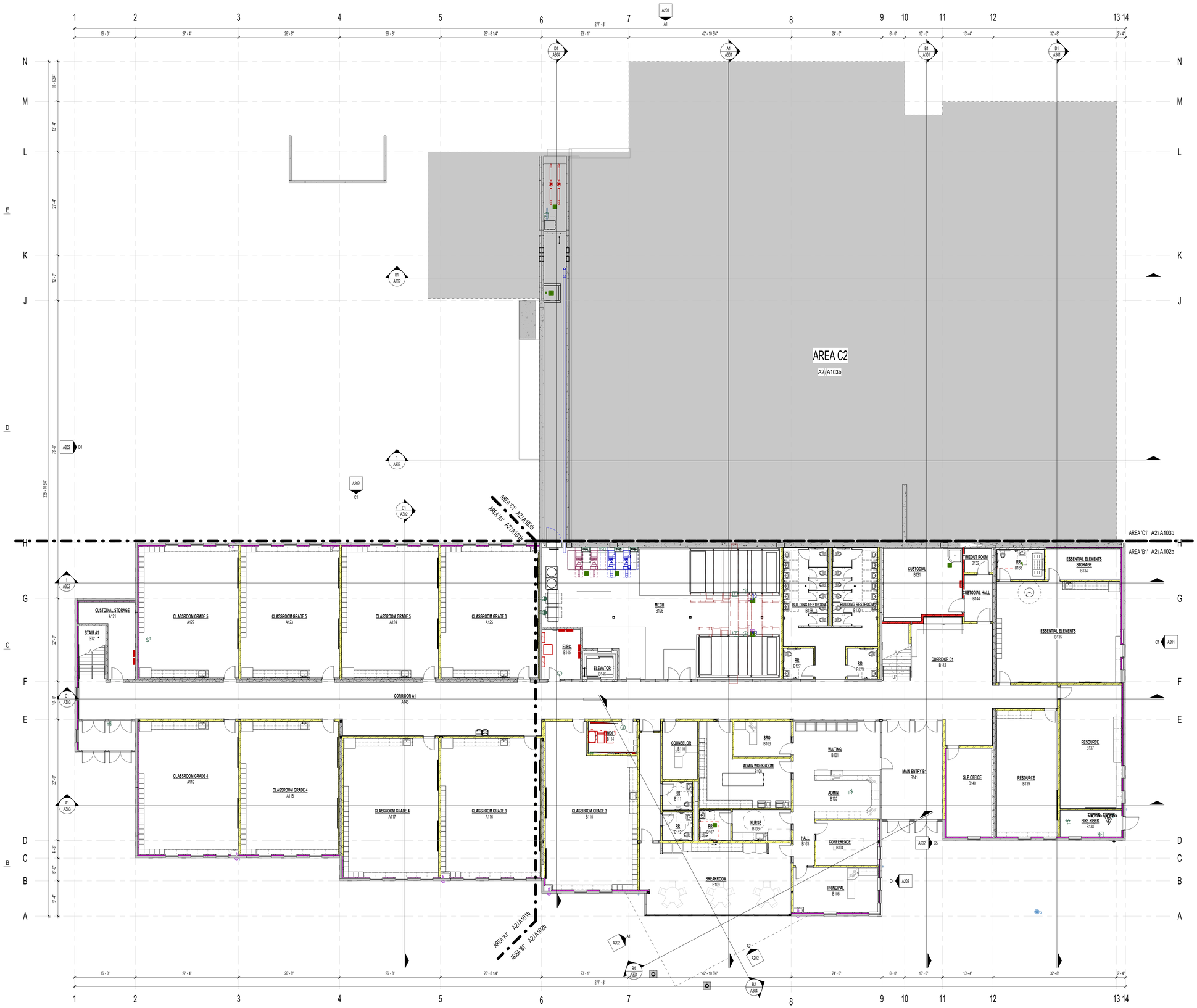
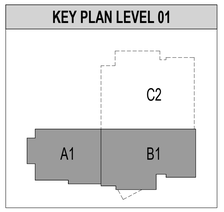
ARCHITECTURAL SITE DETAILS

AS103



KEY PLAN LEVEL 01



1 A100 LEVEL 01 OVERALL FLOOR PLAN
1" = 10'-0"

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LEVEL 01 OVERALL FLOOR PLAN

A100

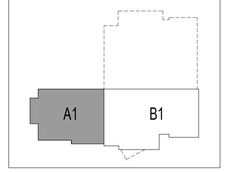
GENERAL NOTES - DIMENSION PLANS

1. MASONRY DIMENSIONS ARE FROM FACE OF MASONRY TO FACE OF MASONRY.
2. METAL STUD WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
3. WHERE 'CLEAR DIMENSIONS ARE NOTED, DIMENSIONS IS FROM FACE OF SCHEDULED FINISH TO FACE OF SCHEDULED FINISH
4. REFER TO 900 SHEETS FOR TILT-UP PANEL DIMENSIONS
5. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING.
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.



1 A101a AREA A1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

KEY PLAN LEVEL 01



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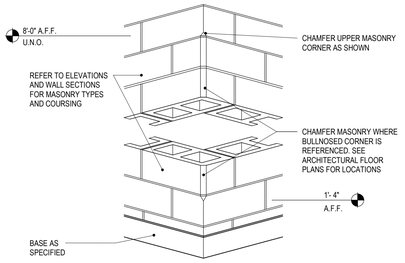
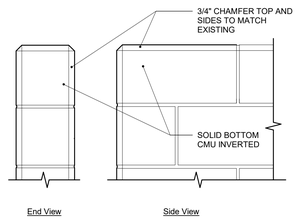
AREA A1 DIMENSION FLOOR PLAN

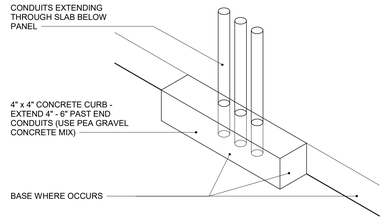
A101a



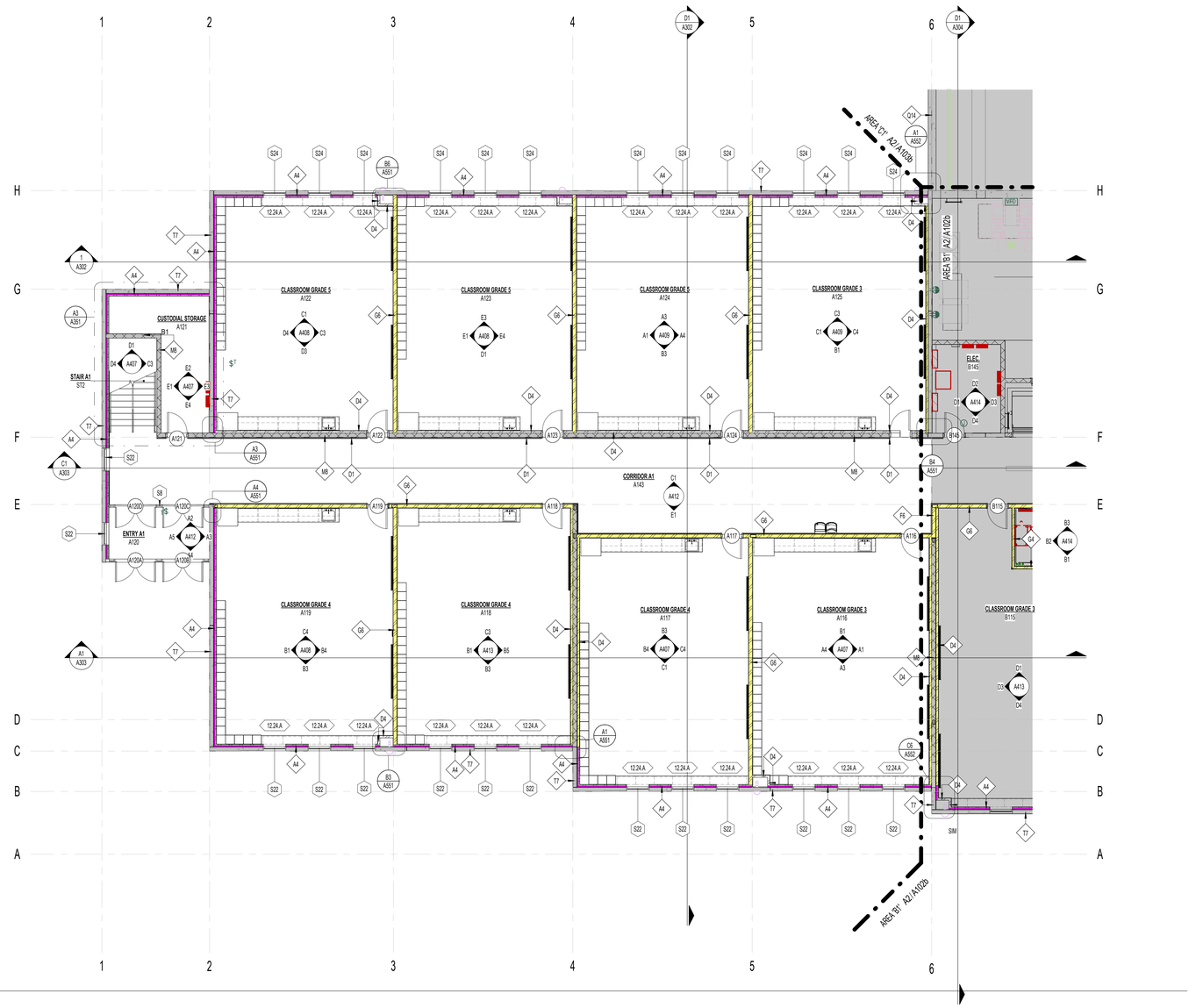
E1 A101b **SINGLE CHAMFERED MASONRY**
6" = 1'-0"



E2 A101b **DOUBLE CHAMFERED MASONRY**
1 1/2" = 1'-0"



E3 A101b **ELECTRICAL CURB DETAIL**
1 1/2" = 1'-0"



A2 A101b **AREA A1 REFERENCE FLOOR PLAN**
1/8" = 1'-0"

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 116'-0" WHICH EQUALS 4658.00', SEE CIVIL.
2. SEE FLOOR FINISH SCHEDULE FOR REQUIRED RECESSED SLAB LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS TO RECESS SLAB ON UPPER FLOOR.
3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB, REFER TO DETAIL 1/A101b
7. REFER TO SHEET G501 & G502 FOR FIRESTOPPING PENETRATION DETAILS.
8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

CORNER FINISH SYMBOLS

B1	SINGLE CHAMFERED MASONRY, REFER TO DETAIL 2/A101b
B2	DOUBLE CHAMFERED MASONRY, REFER TO DETAIL 3/A101b
CJ	CMU CONTROL JOINT, REFER TO EXTERIOR/INTERIOR ELEVATIONS
RD	ROOF DRAIN LINE DROP LOCATION, REFER TO PLUMBING DRAWINGS
CG1	STAINLESS STEEL CORNER GUARD, REFER TO INTERIOR ELEVATIONS
CG2	STAINLESS STEEL CORNER GUARDS IN FOOD PREP AREAS, REFER TO SPECIFICATION SECTION 11 4000, AND FOOD SERVICE DRAWINGS
CG3	STAINLESS STEEL 180° CORNER GUARD, REFER TO INTERIOR ELEVATIONS

WALL COLOR LEGEND

LINE SYMBOL LEGEND

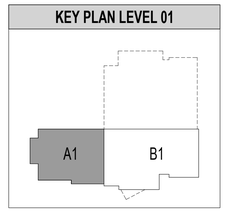
REFER TO SHEET G101 FOR WALL TYPES, UL LISTINGS, AND ASSOCIATED DETAILS.

- ACCOUSTICAL SOUND BATT INSULATION STUD WALL
- 3" SPRAY FOAM INSULATION IN STUD WALL
- 1 HOUR FIRE WALL
- STANDARD STUD WALL
- CONCRETE WALL
- MASONRY WALL

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
12.24.A	12 2413 - ROLLER WINDOW SHADES ON SOUTH CLASSROOM WINDOWS. REFER TO STOREFRONT ELEVATIONS

KEY PLAN LEVEL 01



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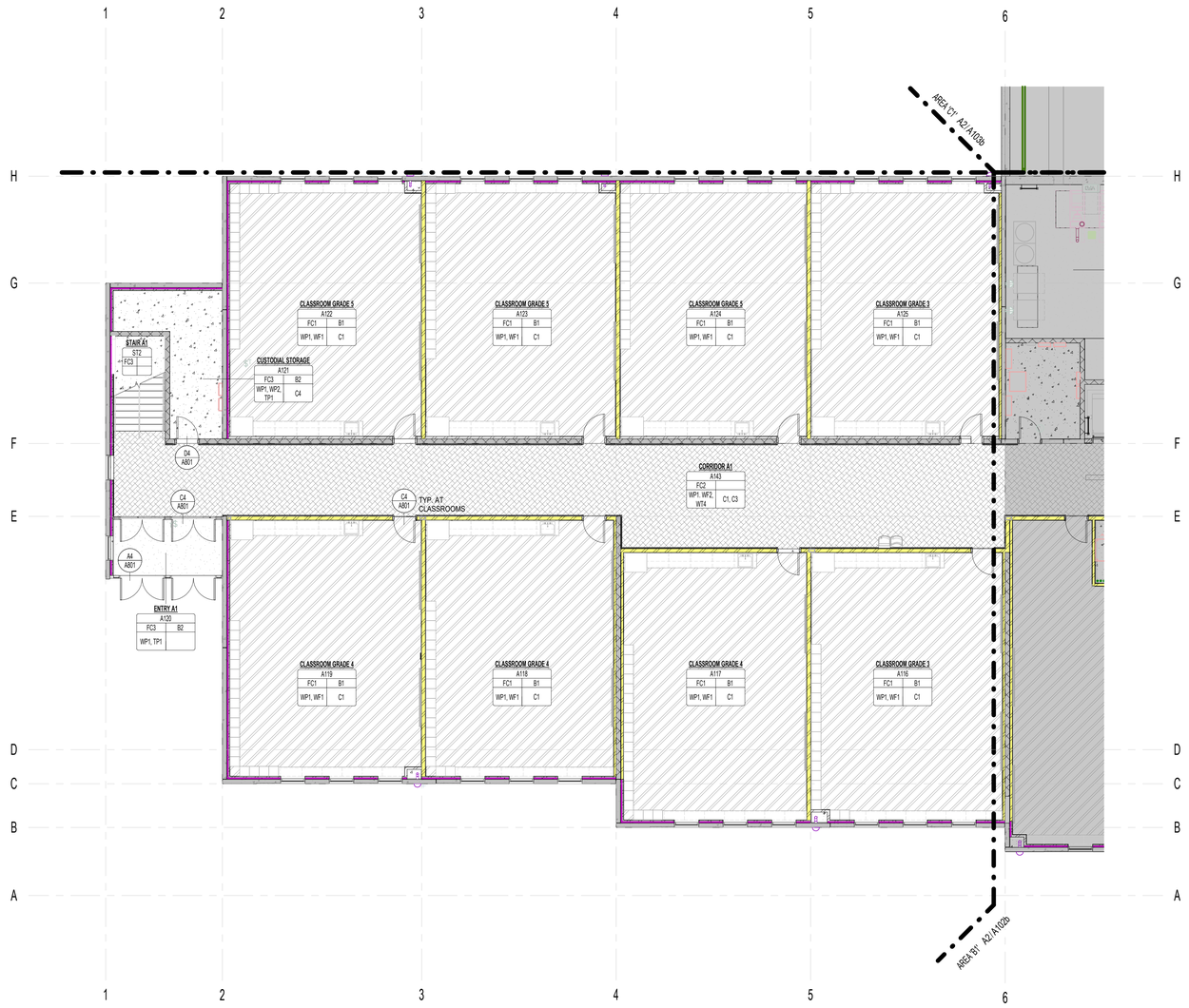
AREA A1 REFERENCE FLOOR PLAN

A101b



1 A101c **AREA A1 FINISH FLOOR PLAN**
1/8" = 1'-0"

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

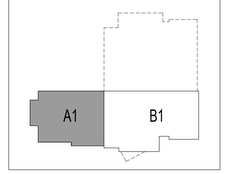
NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE WHERE FLOOR FINISH OCCURS. SEE SPECIFICATION SECTION 03 3000
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

ROOM NAME
A101
FLOOR FINISH — F1 B1 — BASE FINISH
WALL FINISH — W1 C1 — CEILING FINISH
ROOM NUMBER

NWL-LEGEND - ROOM FINISHES SYMBOL
1/2" = 1'-0"

KEY PLAN LEVEL 01



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AREA A1 FINISH FLOOR PLAN

A101c

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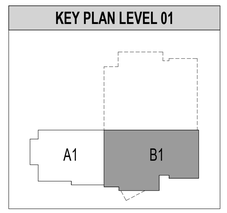
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.



1 A102a **AREA B1 DIMENSION FLOOR PLAN**
1/8" = 1'-0"

KEY PLAN LEVEL 01



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AREA B1 DIMENSION FLOOR PLAN

A102a

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8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

CORNER FINISH SYMBOLS

B1	SINGLE CHAMFERED MASONRY, REFER TO DETAIL 2/A101b
B2	DOUBLE CHAMFERED MASONRY, REFER TO DETAIL 3/A101b
CJ	CMU CONTROL JOINT, REFER TO EXTERIOR/INTERIOR ELEVATIONS
RD	ROOF DRAIN LINE DROP LOCATION, REFER TO PLUMBING DRAWINGS
CG1	STAINLESS STEEL CORNER GUARD, REFER TO INTERIOR ELEVATIONS
CG2	STAINLESS STEEL CORNER GUARDS IN FOOD PREP AREAS, REFER TO SPECIFICATION SECTION 11 4000, AND FOOD SERVICE DRAWINGS
CG3	STAINLESS STEEL 180° CORNER GUARD, REFER TO INTERIOR ELEVATIONS

WALL COLOR LEGEND

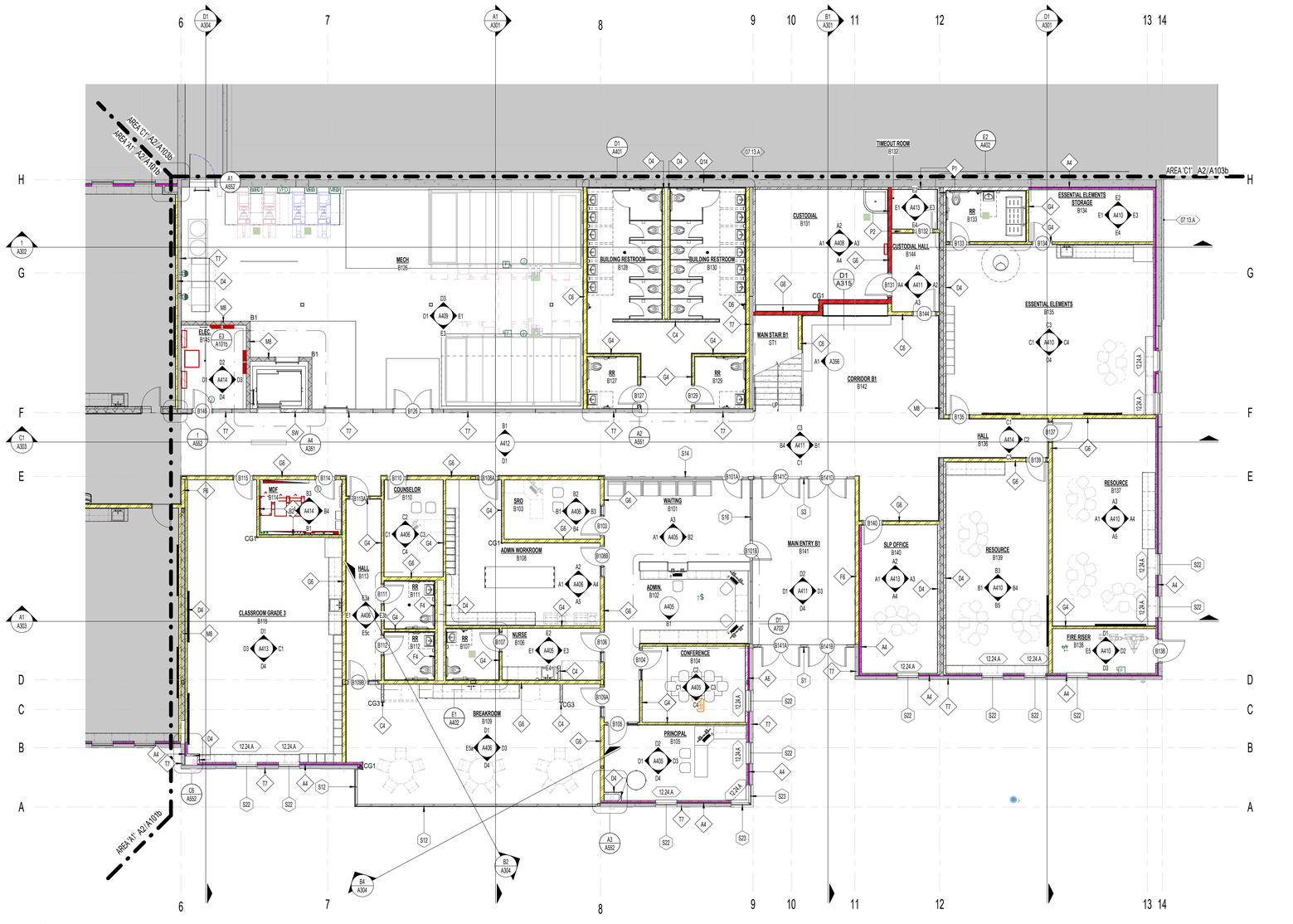
LINE SYMBOL LEGEND

REFER TO SHEET G101 FOR WALL TYPES, UL LISTINGS, AND ASSOCIATED DETAILS.

- ACCOUSTICAL SOUND BATT INSULATION STUD WALL
- 3" SPRAY FOAM INSULATION IN STUD WALL
- 1 HOUR FIRE WALL
- STANDARD STUD WALL
- CONCRETE WALL
- MASONRY WALL

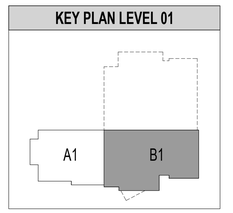
NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
12.24.A	12 2413 - ROLLER WINDOW SHADES ON SOUTH CLASSROOM WINDOWS. REFER TO STOREFRONT ELEVATIONS



A2 A102b **AREA B1 REFERENCE FLOOR PLAN**
1/8" = 1'-0"

KEY PLAN LEVEL 01



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STATE OF UTAH
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#319164
#183992
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AREA B1 REFERENCE FLOOR PLAN

A102b

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

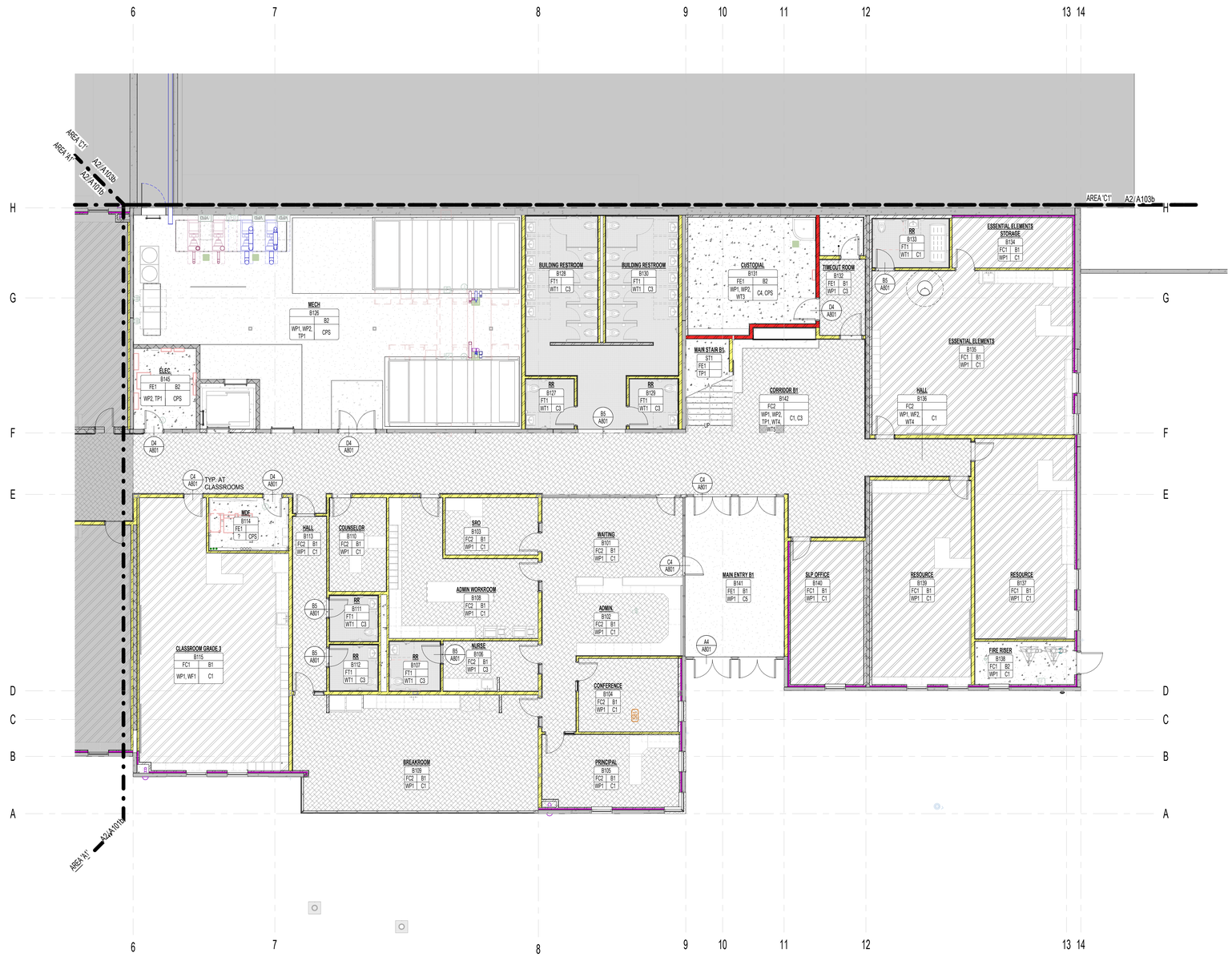
- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE WHERE FLOOR FINISH OCCURS. SEE SPECIFICATION SECTION 03 3000
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

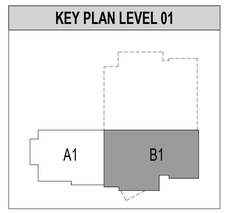
ROOM NAME
A102 → ROOM NUMBER
FLOOR FINISH — F1 | B1 — BASE FINISH
WALL FINISH — W1 | C1 — CEILING FINISH

NWL-LEGEND - ROOM FINISHES SYMBOL
1/2" = 1'-0"



1 A102c LEVEL B1 FINISH FLOOR PLAN
1/8" = 1'-0"

KEY PLAN LEVEL 01



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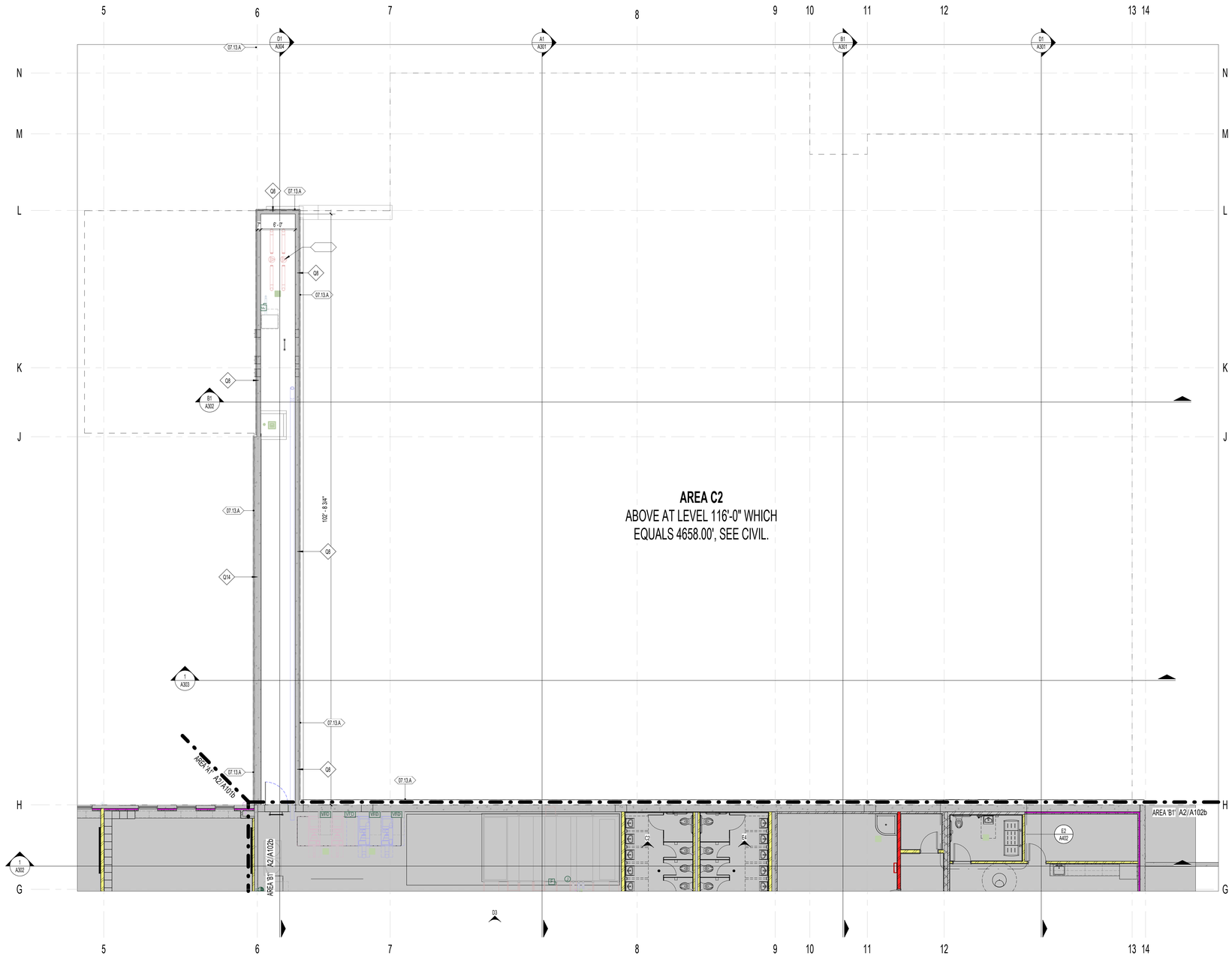
AREA B1 FINISH FLOOR PLAN

A102c



A2 / A102b **AREA C1 REFERENCE FLOOR PLAN**
1/8" = 1'-0"

GENERAL NOTES - DIMENSION PLANS

1. MASONRY DIMENSIONS ARE FROM FACE OF MASONRY TO FACE OF MASONRY.
2. METAL STUD WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
3. WHERE 'CLEAR DIMENSIONS ARE NOTED, DIMENSIONS IS FROM FACE OF SCHEDULED FINISH TO FACE OF SCHEDULED FINISH
4. REFER TO 900 SHEETS FOR TILT-UP PANEL DIMENSIONS
5. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING.
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 116'-0" WHICH EQUALS 4658.00'. SEE CIVIL.
2. SEE FLOOR FINISH SCHEDULE FOR REQUIRED RECESSED SLAB LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS TO RECESS SLAB ON UPPER FLOOR.
3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB, REFER TO DETAIL 1/A101b
7. REFER TO SHEET G601 & G602 FOR FIRESTOPPING PENETRATION DETAILS.
8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE-EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE WHERE FLOOR FINISH OCCURS. SEE SPECIFICATION SECTION 03 3000
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

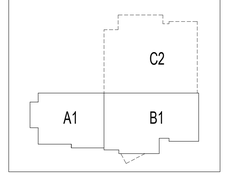
ROOM NAME
A101 — ROOM NUMBER
FLOOR FINISH — F1 B1 — BASE FINISH
WALL FINISH — W1 C1 — CEILING FINISH

NWL-LEGEND - ROOM FINISHES SYMBOL
1/2" = 1'-0"

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.

KEY PLAN LEVEL 01



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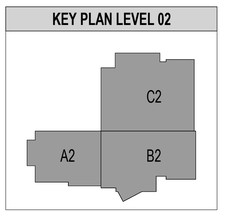
AREA C1 TUNNEL FLOOR PLAN

A103b

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 118'-0" WHICH EQUALS 4658.00', SEE CIVIL.
2. SEE FLOOR FINISH SCHEDULE FOR REQUIRED RECESSED SLAB LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS TO RECESS SLAB ON UPPER FLOOR.
3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB. REFER TO DETAIL 1/A101b
7. REFER TO SHEET G501 & G502 FOR FIRESTOPPING PENETRATION DETAILS.
8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

KEY PLAN LEVEL 02



A1 A104 LEVEL 02 REFERENCE FLOOR PLAN
1" = 10'-0"

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LEVEL 02 OVERALL FLOOR PLAN

A104

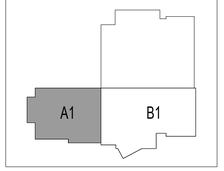
GENERAL NOTES - DIMENSION PLANS

1. MASONRY DIMENSIONS ARE FROM FACE OF MASONRY TO FACE OF MASONRY.
2. METAL STUD WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
3. WHERE 'CLEAR DIMENSIONS ARE NOTED, DIMENSIONS IS FROM FACE OF SCHEDULED FINISH TO FACE OF SCHEDULED FINISH
4. REFER TO 900 SHEETS FOR TILT-UP PANEL DIMENSIONS
5. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING.
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.



1 A105a AREA A2 DIMENSION FLOOR PLAN
1/8" = 1'-0"

KEY PLAN LEVEL 02



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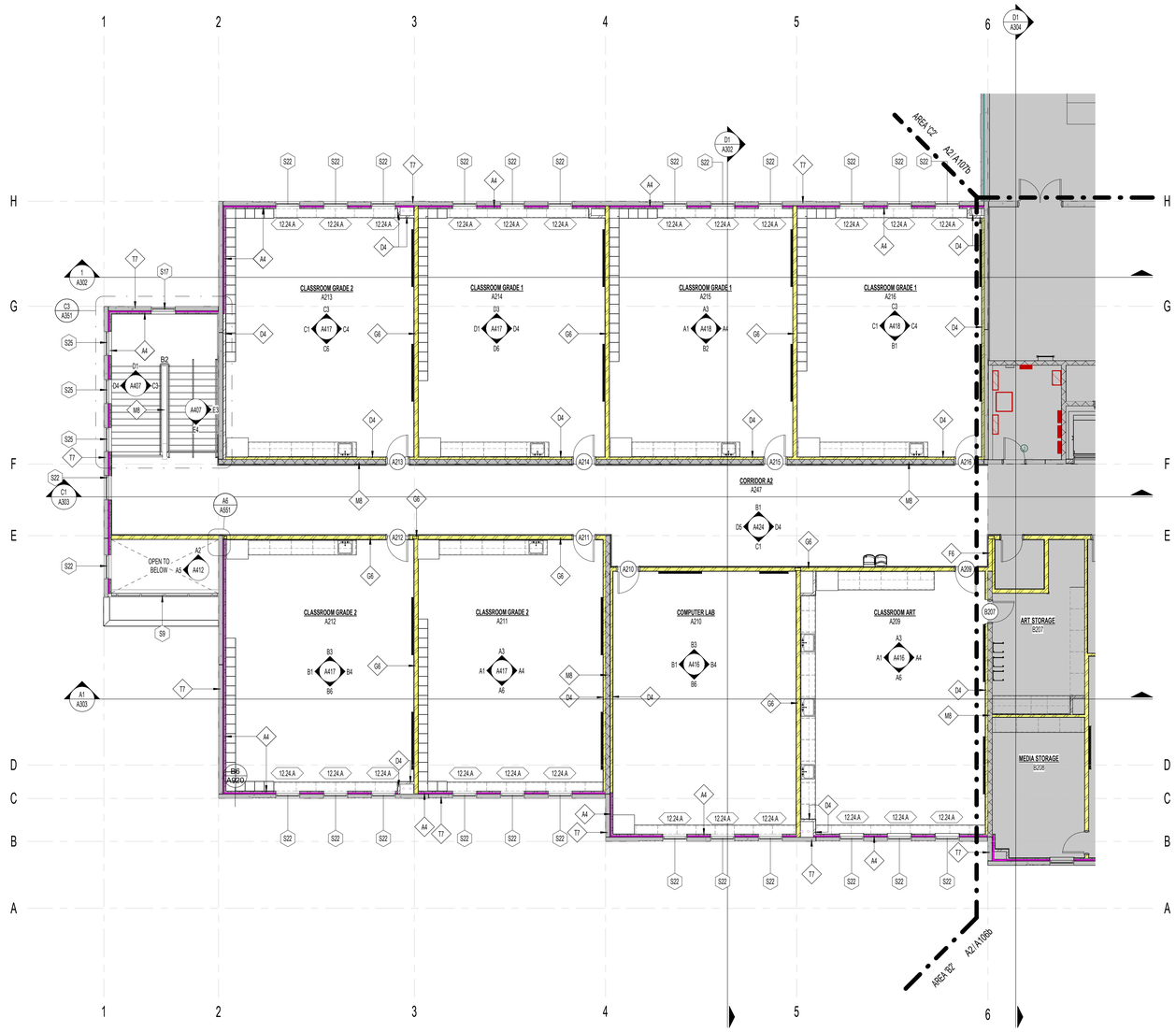
AREA A2 DIMENSION FLOOR PLAN

A105a



A2 A1026 **AREA A2 REFERENCE FLOOR PLAN**
1/8" = 1'-0"

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 116'-0" WHICH EQUALS 4658.00', SEE CIVIL.
2. SEE FLOOR FINISH SCHEDULE FOR REQUIRED RECESSED SLAB LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS TO RECESS SLAB ON UPPER FLOOR.
3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB, REFER TO DETAIL 1/A101b
7. REFER TO SHEET G501 & G502 FOR FIRESTOPPING PENETRATION DETAILS.
8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

CORNER FINISH SYMBOLS

B1	SINGLE CHAMFERED MASONRY, REFER TO DETAIL 2/A101b
B2	DOUBLE CHAMFERED MASONRY, REFER TO DETAIL 3/A101b
CJ	CMU CONTROL JOINT, REFER TO EXTERIOR/INTERIOR ELEVATIONS
RD	ROOF DRAIN LINE DROP LOCATION, REFER TO PLUMBING DRAWINGS
CG1	STAINLESS STEEL CORNER GUARD, REFER TO INTERIOR ELEVATIONS
CG2	STAINLESS STEEL CORNER GUARDS IN FOOD PREP AREAS, REFER TO SPECIFICATION SECTION 11 4000, AND FOOD SERVICE DRAWINGS
CG3	STAINLESS STEEL 180° CORNER GUARD, REFER TO INTERIOR ELEVATIONS

WALL COLOR LEGEND

LINE SYMBOL LEGEND

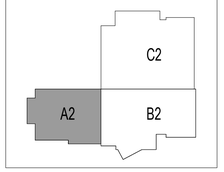
REFER TO SHEET G101 FOR WALL TYPES, UL LISTINGS, AND ASSOCIATED DETAILS.

- ACCOUSTICAL SOUND BATT INSULATION STUD WALL
- 3" SPRAY FOAM INSULATION IN STUD WALL
- 1 HOUR FIRE WALL
- STANDARD STUD WALL
- CONCRETE WALL
- MASONRY WALL

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
12.24.A	12.2413 - ROLLER WINDOW SHADES ON SOUTH CLASSROOM WINDOWS. REFER TO STOREFRONT ELEVATIONS

KEY PLAN LEVEL 02



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STATE OF UTAH — NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356 — LICENSED ARCHITECT

DATE	REVISION

AREA A2 REFERENCE FLOOR PLAN

A105b



1 A105c **AREA A2 FINISH FLOOR PLAN**
1/8" = 1'-0"

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

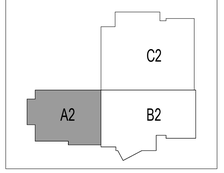
NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE WHERE FLOOR FINISH OCCURS. SEE SPECIFICATION SECTION 03 3000
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

ROOM NAME
A101 — ROOM NUMBER
FLOOR FINISH — F1 | B1 — BASE FINISH
WALL FINISH — W1 | C1 — CEILING FINISH

NWL-LEGEND - ROOM FINISHES SYMBOL
1/2" = 1'-0"

KEY PLAN LEVEL 02



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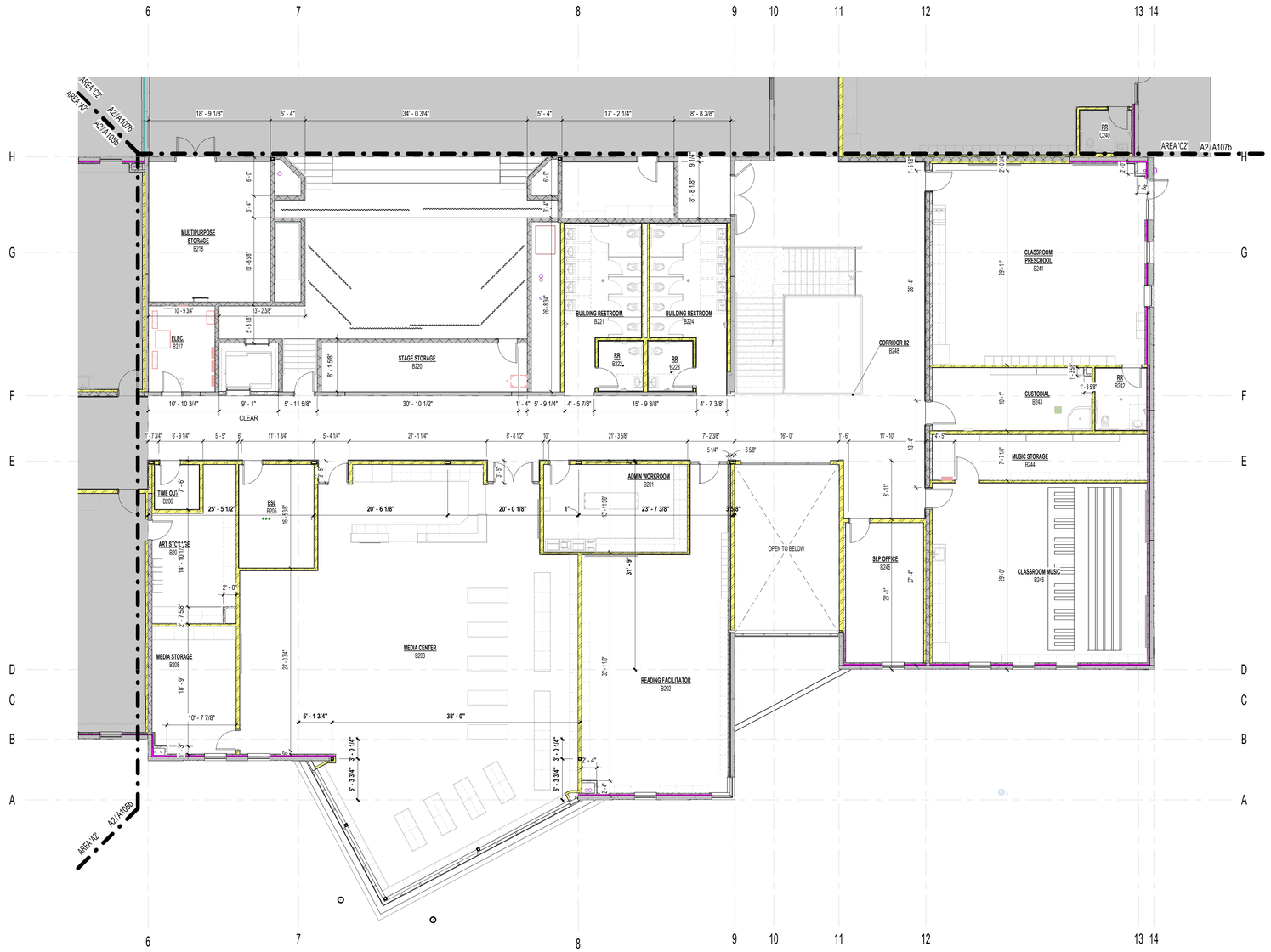
DATE REVISION

AREA A2 FINISH FLOOR PLAN

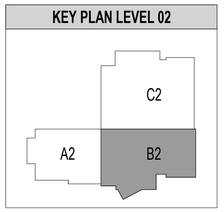
A105c

GENERAL NOTES - DIMENSION PLANS

1. MASONRY DIMENSIONS ARE FROM FACE OF MASONRY TO FACE OF MASONRY.
2. METAL STUD WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
3. WHERE 'CLEAR DIMENSIONS ARE NOTED, DIMENSIONS IS FROM FACE OF SCHEDULED FINISH TO FACE OF SCHEDULED FINISH
4. REFER TO 900 SHEETS FOR TILT-UP PANEL DIMENSIONS
5. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING.
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.



1 A106a LEVEL B2 DIMENSION FLOOR PLAN
1/8" = 1'-0"



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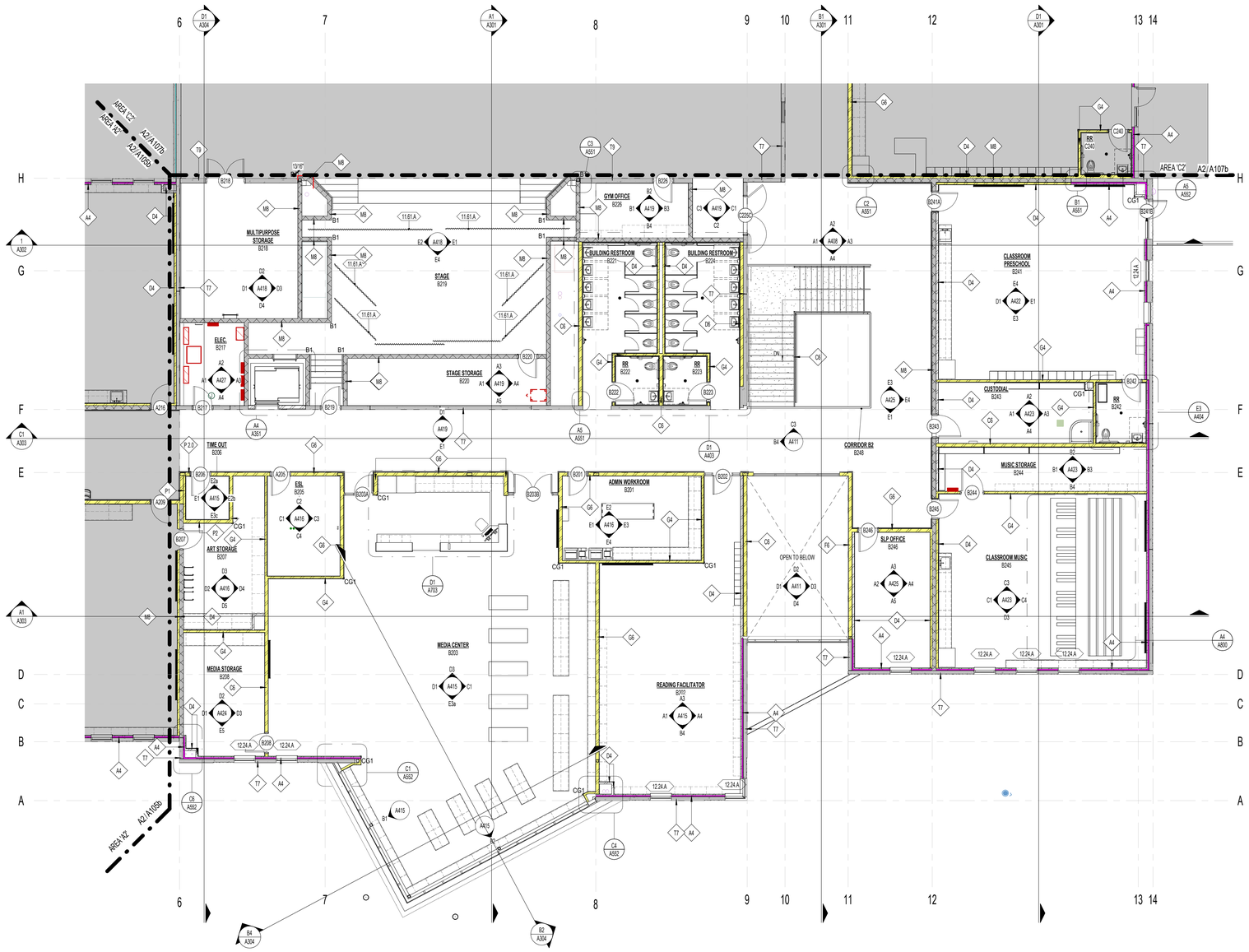
AREA B2 DIMENSION FLOOR PLAN

A106a



A2 A106b AREA B2 REFERENCE FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 116'-0" WHICH EQUALS 4658.00', SEE CIVIL.
2. SEE FLOOR FINISH SCHEDULE FOR REQUIRED RECESSED SLAB LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS TO RECESS SLAB ON UPPER FLOOR.
3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB, REFER TO DETAIL 1/A101b
7. REFER TO SHEET G501 & G502 FOR FIRESTOPPING PENETRATION DETAILS.
8. WALLS & COLUMNS SHOWN AS SHADED GREY INDICATE CONCRETE WALLS & COLUMNS - SEE STRUCTURAL DETAILS, TYPICAL.
9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

CORNER FINISH SYMBOLS

B1	SINGLE CHAMFERED MASONRY, REFER TO DETAIL 2/A101b
B2	DOUBLE CHAMFERED MASONRY, REFER TO DETAIL 3/A101b
CJ	CMU CONTROL JOINT, REFER TO EXTERIOR/INTERIOR ELEVATIONS
RD	ROOF DRAIN LINE DROP LOCATION, REFER TO PLUMBING DRAWINGS
CG1	STAINLESS STEEL CORNER GUARD, REFER TO INTERIOR ELEVATIONS
CG2	STAINLESS STEEL CORNER GUARDS IN FOOD PREP AREAS, REFER TO SPECIFICATION SECTION 11 4000, AND FOOD SERVICE DRAWINGS
CG3	STAINLESS STEEL 180° CORNER GUARD, REFER TO INTERIOR ELEVATIONS

WALL COLOR LEGEND

LINE SYMBOL LEGEND

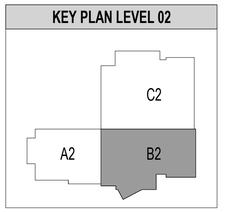
REFER TO SHEET G101 FOR WALL TYPES, UL LISTINGS, AND ASSOCIATED DETAILS.

- ACCOUSTICAL SOUND BATT INSULATION STUD WALL
- 3" SPRAY FOAM INSULATION IN STUD WALL
- 1 HOUR FIRE WALL
- STANDARD STUD WALL
- CONCRETE WALL
- MASONRY WALL

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
11.61.A	11 6143 - PLATFORM RIGGING AND CURTAINS. REFER TO SPECIFICATION
12.24.A	12 2413 - ROLLER WINDOW SHADES ON SOUTH CLASSROOM WINDOWS. REFER TO STOREFRONT ELEVATIONS

KEY PLAN LEVEL 02



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NWL PROJECT	0119.002

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#183992
#7247356
LICENSED ARCHITECT

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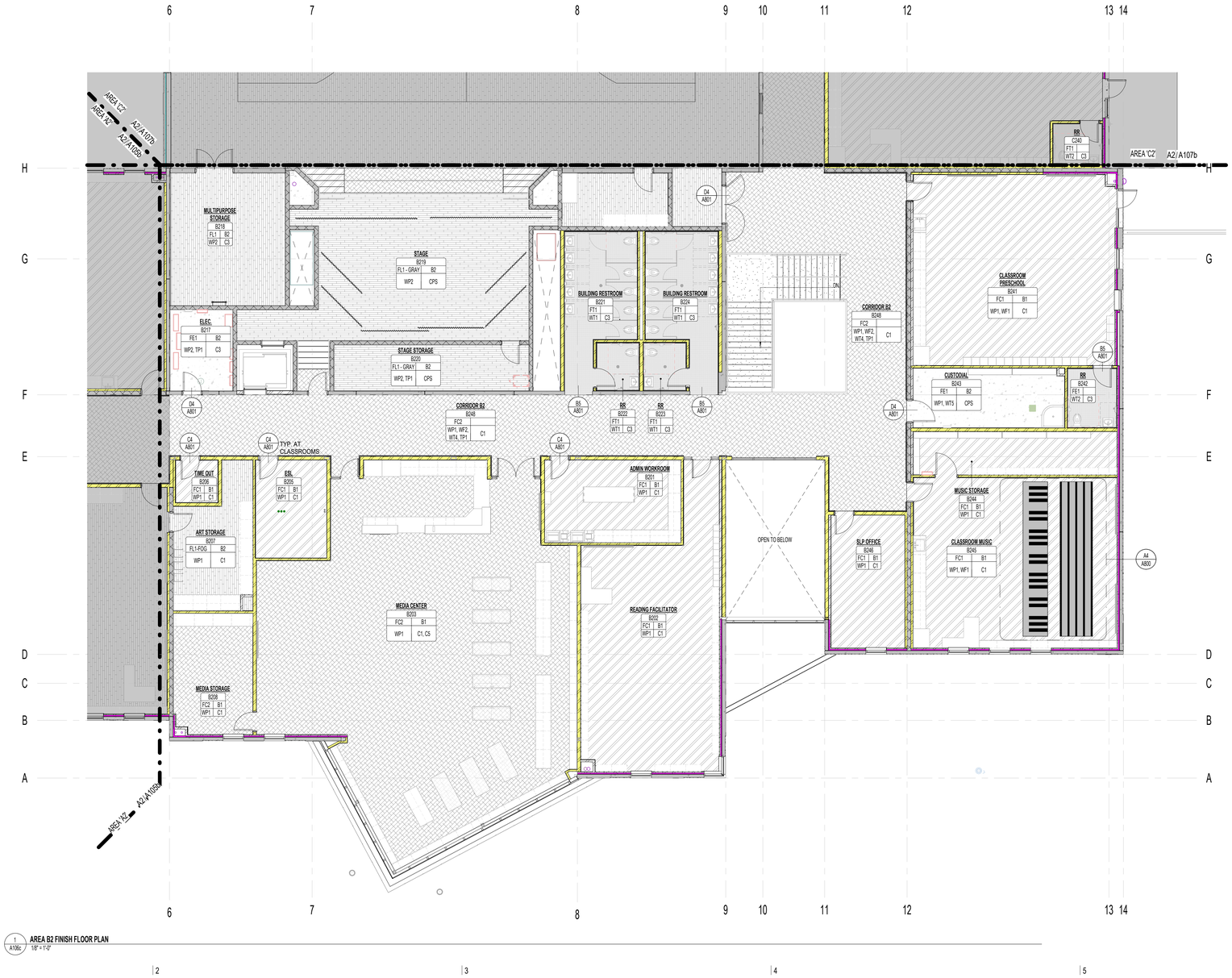
AREA B2 REFERENCE FLOOR PLAN

A106b



1 A106c **AREA B2 FINISH FLOOR PLAN**
1/8" = 1'-0"

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

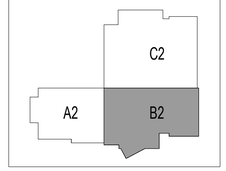
NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE WHERE FLOOR FINISH OCCURS. SEE SPECIFICATION SECTION 03 3000
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

ROOM NAME
A101
FLOOR FINISH — F1 | B1 — BASE FINISH
WALL FINISH — W1 | C1 — CEILING FINISH

NWL-LEGEND - ROOM FINISHES SYMBOL
1/2" = 1'-0"

KEY PLAN LEVEL 02



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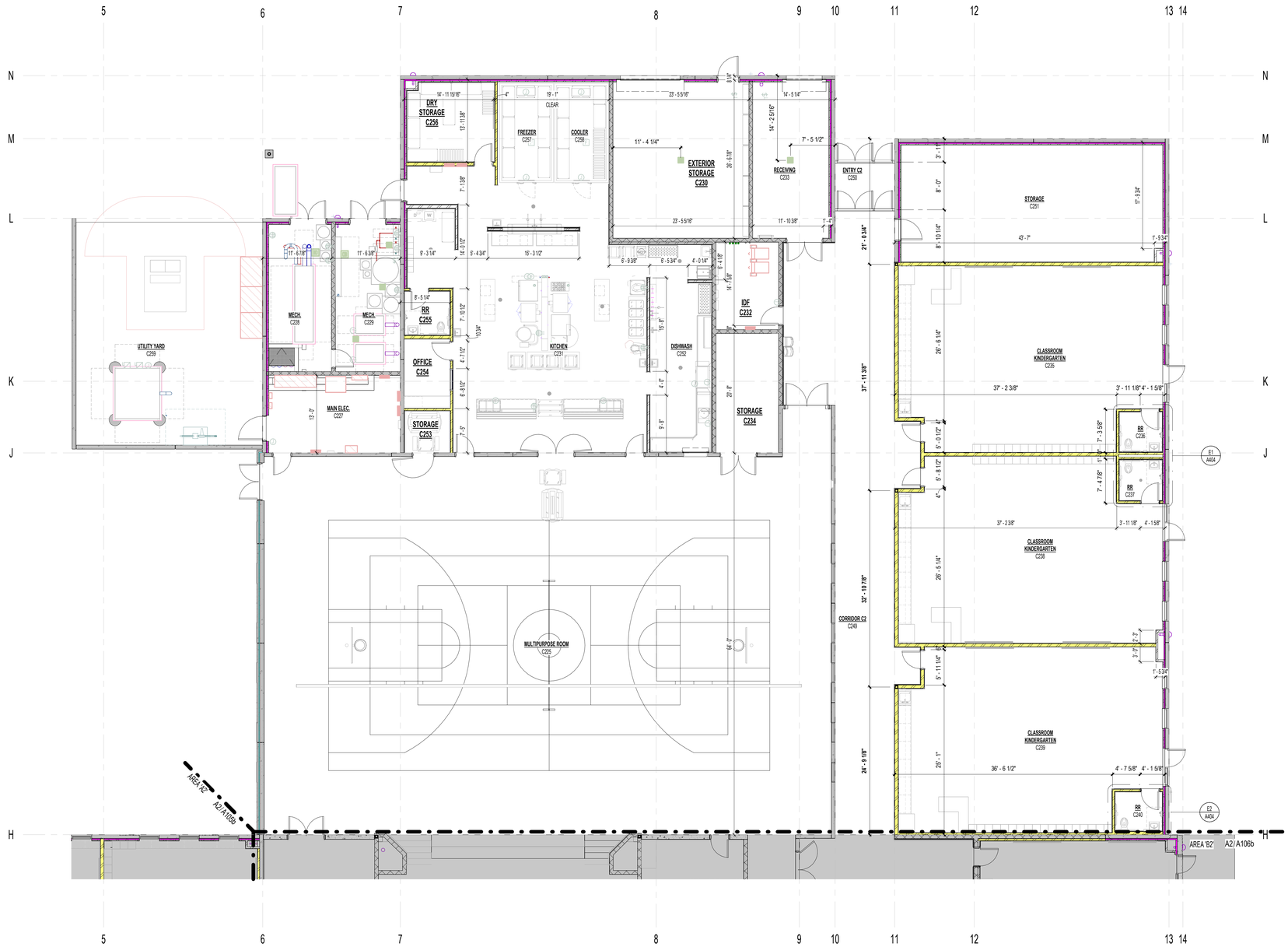
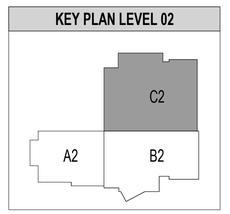
AREA B2 FINISH FLOOR PLAN

A106c

GENERAL NOTES - DIMENSION PLANS

1. MASONRY DIMENSIONS ARE FROM FACE OF MASONRY TO FACE OF MASONRY.
2. METAL STUD WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
3. WHERE 'CLEAR DIMENSIONS ARE NOTED, DIMENSIONS IS FROM FACE OF SCHEDULED FINISH TO FACE OF SCHEDULED FINISH
4. REFER TO 900 SHEETS FOR TILT-UP PANEL DIMENSIONS
5. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING.
6. REFER TO SLAB EDGE PLANS FOR ALL FLOOR OPENING DIMENSIONS.
7. REFER TO WALL TYPE SHEETS FOR STC RATINGS OF EACH WALL TYPE.





1 A107a AREA C2 DIMENSION FLOOR PLAN 1/8" = 1'-0"

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AREA C2 DIMENSION FLOOR PLAN

A107a

GENERAL NOTES - REFERENCE PLANS

1. ALL BUILDING FLOOR ELEVATIONS SHOWN ARE RELATIVE TO 100'-0" WHICH EQUALS 4642.00' AND 116'-0" WHICH EQUALS 4658.00', SEE CIVIL.
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3. VAPOR BARRIER REQUIRED UNDER ALL SLAB-ON-GRADE CONDITIONS. REFER TO SPECIFICATION SECTION 03 3000.
4. INSTALL FIRE-TREATED SOLID WOOD BLOCKING AT ALL ACCESSORY MOUNTING LOCATIONS INCLUDING BUT NOT LIMITED TO: VISUAL DISPLAY BOARDS, CABINETS AND CASEWORK, TOILET PARTITIONS, DOOR STOPS, GRAB BARS, ETC.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL OWNER PROVIDED RECESSED KNOX-BOX IN TWO SEPARATE LOCATIONS. EXACT MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE LOCAL FIRE AUTHORITY, OWNER, AND ARCHITECT. PROVIDE WALL BLOCKING FOR THROUGH BOLT INSTALLATION.
6. INSTALL CONCRETE CURB WHERE CONDUITS PENETRATE CONCRETE SLAB, REFER TO DETAIL 1/A101b
7. REFER TO SHEET G501 & G502 FOR FIRESTOPPING PENETRATION DETAILS.
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9. ALL WALLS TERMINATE AT DECK UNLESS NOTED OTHERWISE.
10. REFER TO MOUNTING HEIGHTS SCHEDULE ON G004 FOR PLACEMENT OF ELEMENTS ON WALLS IN INTERIOR ELEVATIONS.

CORNER FINISH SYMBOLS

B1	SINGLE CHAMFERED MASONRY, REFER TO DETAIL 2/A101b
B2	DOUBLE CHAMFERED MASONRY, REFER TO DETAIL 3/A101b
CJ	CMU CONTROL JOINT, REFER TO EXTERIOR/INTERIOR ELEVATIONS
RD	ROOF DRAIN LINE DROP LOCATION, REFER TO PLUMBING DRAWINGS
CG1	STAINLESS STEEL CORNER GUARD, REFER TO INTERIOR ELEVATIONS
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CG3	STAINLESS STEEL 180° CORNER GUARD, REFER TO INTERIOR ELEVATIONS

WALL COLOR LEGEND

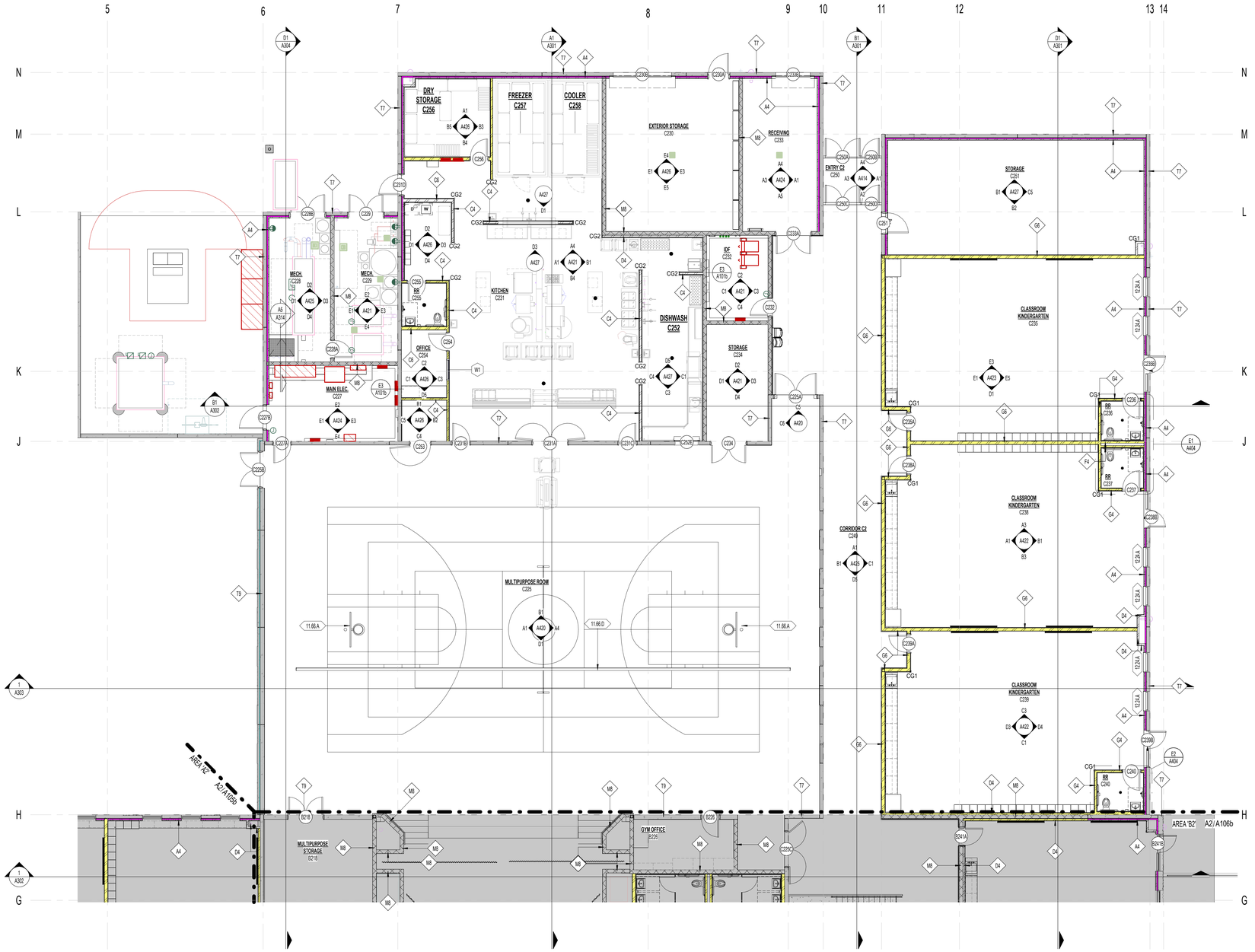
LINE SYMBOL LEGEND

REFER TO SHEET G101 FOR WALL TYPES, UL LISTINGS, AND ASSOCIATED DETAILS.

- ACCOUSTICAL SOUND BATT INSULATION STUD WALL
- 3" SPRAY FOAM INSULATION IN STUD WALL
- 1 HOUR FIRE WALL
- STANDARD STUD WALL
- CONCRETE WALL
- MASONRY WALL

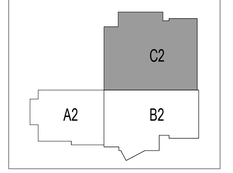
NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
11.66.A	11 6623 - MOTORIZED BASKETBALL BACKSTOP, REFER TO SPECIFICATION
11.66.D	11 6633 - MOTORIZED GYM DIVIDER, REFER TO SPECIFICATION
12.24.A	12 2413 - ROLLER WINDOW SHADES ON SOUTH CLASSROOM WINDOWS, REFER TO STOREFRONT ELEVATIONS



A2 / A107b **AREA C2 REFERENCE FLOOR PLAN**
1/8" = 1'-0"

KEY PLAN LEVEL 02



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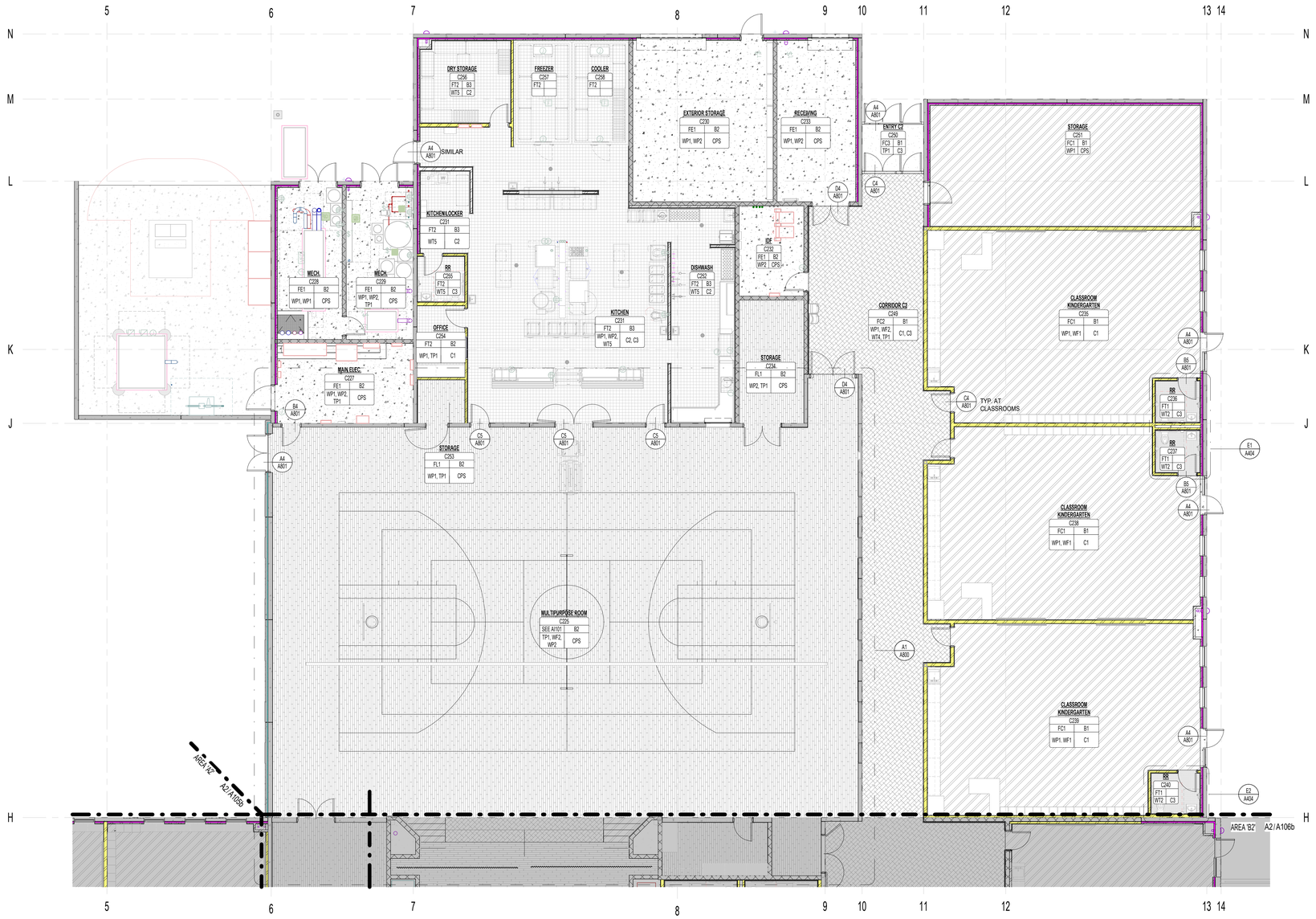
AREA C2 REFERENCE FLOOR PLAN

A107b



1 A107c AREA C2 FINISH FLOOR PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

SHEET NOTE: FOR ROOM DESCRIPTION, REFER TO REFERENCE FLOOR PLANS

- FC1 - CARPET, BROADLOOM CLASSROOMS NOTES: 2, 3
- FC2 - CARPET, BROADLOOM CORRIDORS, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS NOTES: 2, 3
- FC3 - CARPET, WALK-OFF ENTRANCE NOTES: 3
- FE1 - CONCRETE EXPOSED-SEALED NOTES: 3
- FT1 - RESTROOM FLOOR TILE NOTES: 1,3
- FT2 - QUARRY TILE NOTES: 3
- FC4 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FC5 - CARPET, BROADLOOM, MUSIC ROOM NOTES: 4
- FL1 - VINYL SHEET NOTES: 3

NOTES:

1. THICK SET PORCELAIN MOSAIC TILE FLOOR SYSTEM. REFER TO DETAILS ON SHEET A540. FLOOR SLOPES TO DRAINS SHALL BE ACCOMMODATED IN CONCRETE FLOOR SLABS. FLOOR TILE SETTING BEDS SHALL BE CONSISTENT THICKNESS, NO EXCEPTION.
2. EXTEND FLOORING UNDER COUNTERS WITHIN KNEE SPACES WHERE APPLICABLE.
3. PROVIDE VAPOR BARRIER UNDER SLAB.
4. PATTERN TO BE INSTALLED IN MUSIC CLASSROOM

ROOM NAME: A101 — ROOM NUMBER; FLOOR FINISH: F1 — FLOOR FINISH; BASE FINISH: B1 — BASE FINISH; WALL FINISH: W1 — WALL FINISH; CEILING FINISH: C1 — CEILING FINISH

NWL-LEGEND - ROOM FINISHES SYMBOL
12" = 1'-0"

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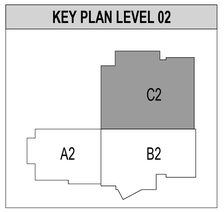
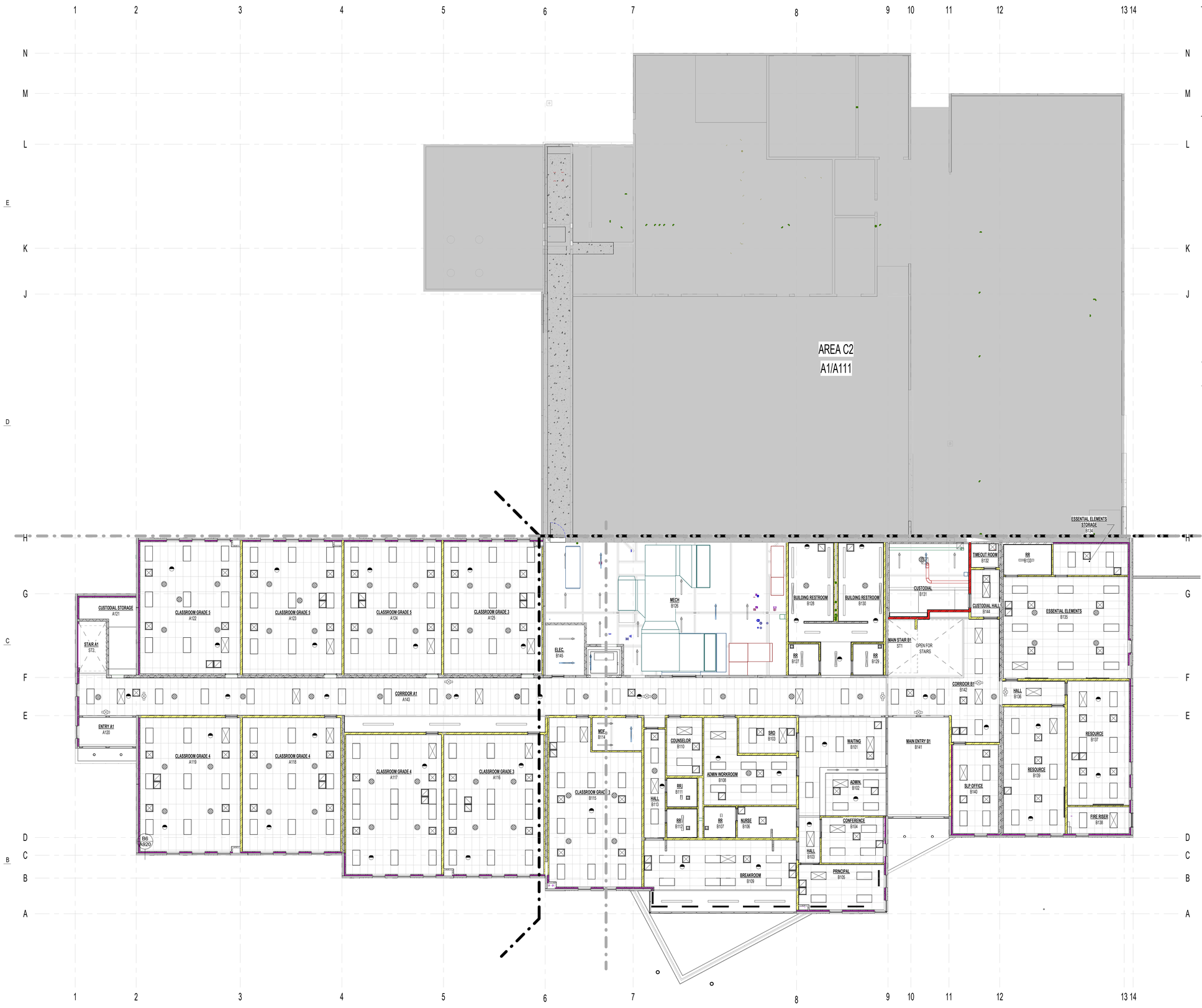
KEY PLAN LEVEL 02



AREA C2 FINISH FLOOR PLAN

A107c



A1 / A108 LEVEL 01 REFERENCE RCP
1" = 10'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

1. CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. REFER TO ENLARGED REFLECTED CEILING PLANS FOR OTHER CEILING HEIGHTS AND FEATURES.
2. PROVIDE SEISMIC BRACING AT ALL SUSPENDED CEILING SYSTEMS, REFER TO DETAILS.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
4. THE CONCTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHIEVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURING BEFORE PROCEEDING WITH THE WORK.
5. AT PAINTED EXPOSED STRUCTURE LOCATIONS, PAINT ALL CONDUITS, PIPING, DUCTWORK, AND OTHER OVERHEAD ELEMENTS COMPLETE.

CEILING TYPES LEGEND

CT1	09 5100 - 2' x 4' x 5/8" ACOUSTICAL LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2
CT2	09 5100 - 2' x 4' x 5/8" VINYL COVERED GYPSUM LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2
CP1	09 9123 - PAINTED 5/8" GYPSUM BOARD CEILING ON 3 5/8" METAL STUD FRAMING SYSTEM, REFER TO STEEL STUD NOTES, SCHEDULES, AND DETAILS IN THE STRUCTURAL DRAWINGS FOR ADDITIONAL INSTRUCTIONS ON THE FRAMING OF CEILINGS. **NOTES** 1, 2
CP2	09 9123 - 5/8" TYPE X GYPSUM BOARD ON 1/2" RESILIENT CHANNELS @16" O.C. ON 6" (18 GA) METAL STUDS @16" O.C., RESILIENT CHANNELS TO RUN PERPENDICULAR TO STUDS, 3-1/2" GLASS FIBER INSULATION; MAINTAIN AT LEAST 4" OF AIR SPACE ABOVE INSULATION; REFER TO "GA FILE NO. FC 1142". **NOTES** 1, 2
CF1	09 5100 - SUSPENDED GRID CEILING BAFFLE SYSTEM
CPS	09 9123 - OPEN EXPOSED CEILING AND STRUCTURE, DUCTWORK, CONDUITS, PIPING, ECT. ABOVE CEILING BAFFLES PAINTED. **NOTES** 1, 2, 7
CM1	07 4264 - 16GA METAL STUDS AT 16" O.C. WITH COMPOSITE METAL PANEL OVER FLUID APPLIED MEMBRANE AND 5/8" GLASS-MAT GYPSUM BOARD
CM2	07 4264 - 16GA METAL STUDS AT 16" O.C. WITH COMPOSITE METAL PANEL OVER FLUID APPLIED MEMBRANE AND 5/8" GLASS-MAT GYPSUM BOARD

NOTES:

1. REFER TO RELATED SPECIFICATION SECTION
2. REFERE TO DETAIL C4/A571 AND D4/A571
4. WHERE CEILING HEIGHT VARIES, REFER TO REFERENCED WALL SECTION DETAILS.
5. COORDINATES STAINLESS STEEL PANEL INSTALLATION WITH LAY-IN GRID AND CEILING PANELS.
6. REFER TO SHEET AXXXXXX FOR ENLARGED PLANS AND DETAILING OF METAL PANELS.
7. EXPOSED DUCTWORK IN MULTIPURPOSE WILL NOT BE PAINTED

REFLECTED CEILING SYMBOL LEGEND

CEILING TYPE — CL00 | 15' - 10" — CEILING HEIGHT

REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL FIXTURE NOT INCLUDED IN LEGEND.

- CEILING AIR SUPPLY DIFFUSER - SIZE VARIES, REFER TO MECHANICAL DRAWINGS.
- CEILING AIR SUPPLY DIFFUSER - SIZE VARIES, REFER TO MECHANICAL DRAWINGS.
- CEILING AIR RETURN REGISTER - SIZE VARIES, REFER TO MECHANICAL DRAWINGS.
- CEILING EXHAUST RETURN REGISTER - SIZE VARIES, REFER TO MECHANICAL DRAWINGS.
- CEILING ACCESS PANEL, REFER TO DETAILS & SPECIFICATIONS.
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- EXIT SIGNS, REFER TO ELECTRICAL DRAWINGS.
- OCCUPANCY SENSORS, REFER TO ELECTRICAL DRAWINGS.

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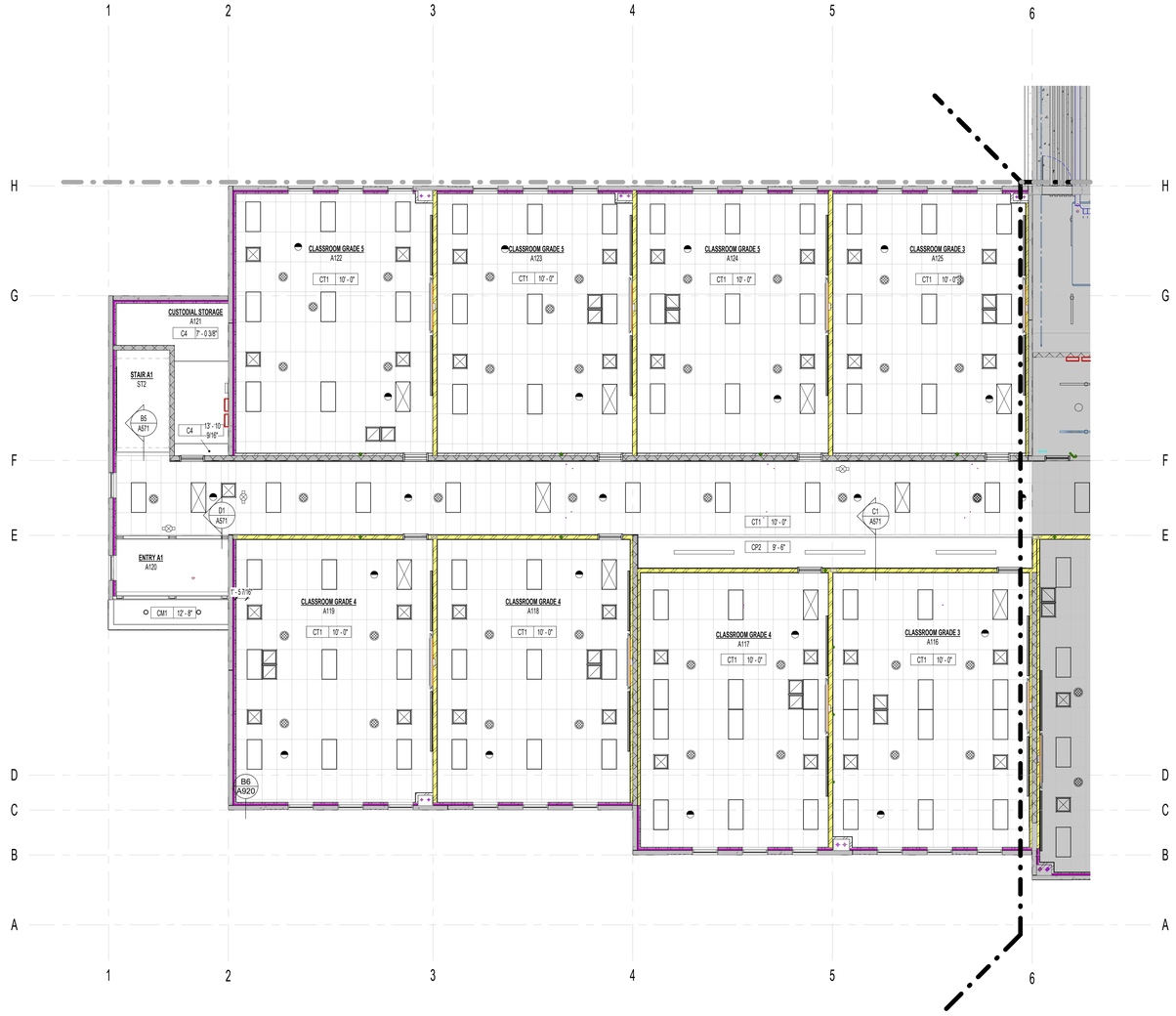
LEVEL 01 OVERALL RCP

A108



A2 / A109 AREA A1
1/8" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

1. CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. REFER TO ENLARGED REFLECTED CEILING PLANS FOR OTHER CEILING HEIGHTS AND FEATURES.
2. PROVIDE SEISMIC BRACING AT ALL SUSPENDED CEILING SYSTEMS, REFER TO DETAILS.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
4. THE CONCTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHIEVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURING BEFORE PROCEEDING WITH THE WORK.
5. AT PAINTED EXPOSED STRUCTURE LOCATIONS, PAINT ALL CONDUITS, PIPING, DUCTWORK, AND OTHER OVERHEAD ELEMENTS COMPLETE.

CEILING TYPES LEGEND

CT1	09 5100 - 2' x 4' x 5/8" ACOUSTICAL LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2
CT2	09 5100 - 2' x 4' x 5/8" VINYL COVERED GYPSUM LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2
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CP2	09 9123 - 5/8" TYPE X GYPSUM BOARD ON 1/2" RESILIENT CHANNELS @16" O.C. ON 6" (18 GA) METAL STUDS @16" O.C., RESILIENT CHANNELS TO RUN PERPENDICULAR TO STUDS, 3-1/2" GLASS FIBER INSULATION; MAINTAIN AT LEAST 4" OF AIR SPACE ABOVE INSULATION; REFER TO "GA FILE NO. FC 1142". **NOTES** 1, 2
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CM1	07 4264 - 16GA METAL STUDS AT 16" O.C. WITH COMPOSITE METAL PANEL OVER FLUID APPLIED MEMBRANE AND 5/8" GLASS-MAT GYPSUM BOARD
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NOTES:

1	REFER TO RELATED SPECIFICATION SECTION
2	REFERE TO DETAIL C4/A571 AND D4/A571
4	WHERE CEILING HEIGHT VARIES, REFER TO REFERENCED WALL SECTION DETAILS.
5	COORDINATES STAINLESS STEEL PANEL INSTALLATION WITH LAY-IN GRID AND CEILING PANELS.
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REFLECTED CEILING SYMBOL LEGEND

CEILING TYPE — CL00 | 15' - 10" — CEILING HEIGHT

REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL FIXTURE NOT INCLUDED IN LEGEND.

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- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- EXIT SIGNS, REFER TO ELECTRICAL DRAWINGS.
- OCCUPANCY SENSORS, REFER TO ELECTRICAL DRAWINGS.

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 02/25/2025
DRAWING ISSUE
ISSUE DATE
NWL PROJECT 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

AREA A1 RCP

A109

GENERAL NOTES - REFLECTED CEILING PLANS

1. CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. REFER TO ENLARGED REFLECTED CEILING PLANS FOR OTHER CEILING HEIGHTS AND FEATURES.
2. PROVIDE SEISMIC BRACING AT ALL SUSPENDED CEILING SYSTEMS, REFER TO DETAILS.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
4. THE CONCTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHIEVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURING BEFORE PROCEEDING WITH THE WORK.
5. AT PAINTED EXPOSED STRUCTURE LOCATIONS, PAINT ALL CONDUITS, PIPING, DUCTWORK, AND OTHER OVERHEAD ELEMENTS COMPLETE.

CEILING TYPES LEGEND

CT1 09 5100 - 2' x 4' x 5/8" ACOUSTICAL LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2

CT2 09 5100 - 2' x 4' x 5/8" VINYL COVERED GYPSUM LAY-IN TILE CEILING ON SUSPENDED GRID SYSTEM. **NOTES** 1, 2

CP1 09 9123 - PAINTED 5/8" GYPSUM BOARD CEILING ON 3 5/8" METAL STUD FRAMING SYSTEM, REFER TO STEEL STUD NOTES, SCHEDULES, AND DETAILS IN THE STRUCTURAL DRAWINGS FOR ADDITIONAL INSTRUCTIONS ON THE FRAMING OF CEILINGS. **NOTES** 1, 2

CP2 09 9123 - 5/8" TYPE X GYPSUM BOARD ON 1/2" RESILIENT CHANNELS @16" O.C. ON 6" (18 GA) METAL STUDS @16" O.C., RESILIENT CHANNELS TO RUN PERPENDICULAR TO STUDS, 3-1/2" GLASS FIBER INSULATION; MAINTAIN AT LEAST 4" OF AIR SPACE ABOVE INSULATION; REFER TO "GA FILE NO. FC 1142". **NOTES** 1, 2

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CM1 07 4264 - 16GA METAL STUDS AT 16" O.C. WITH COMPOSITE METAL PANEL OVER FLUID APPLIED MEMBRANE AND 5/8" GLASS-MAT GYPSUM BOARD

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REFLECTED CEILING SYMBOL LEGEND

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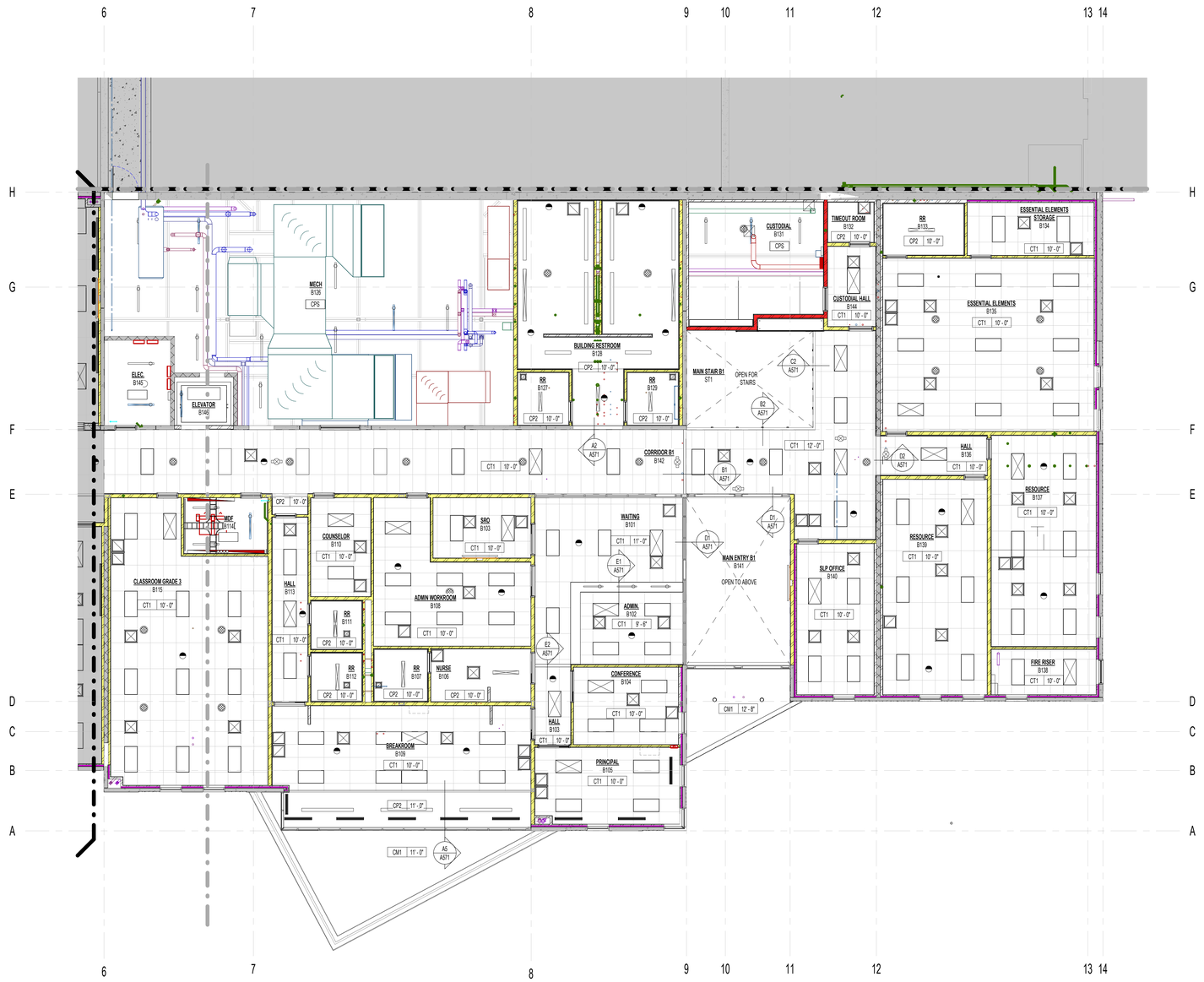

1 A110 AREA B1
1/8" = 1'-0"

naylor wentworth lund
a r c h i t e c t s

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AREA B1 RCP

A110



A1 / A111 LEVEL 02 REFERENCE RCP
1" = 10'-0"

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LEVEL 02 OVERALL RCP

A111



1 / A112 AREA A2
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AREA A2 RCP

A112



A2 / A113 AREA B2
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AREA B2 RCP

A113



1 A114 **AREA C2**
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NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
11.66.A	11 6623 - MOTORIZED BASKETBALL BACKSTOP, REFER TO SPECIFICATION
11.66.D	11 6633 - MOTORIZED GYM DIVIDER, REFER TO SPECIFICATION

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AREA C2 RCP

A114

GENERAL NOTES - SLAB EDGE PLANS

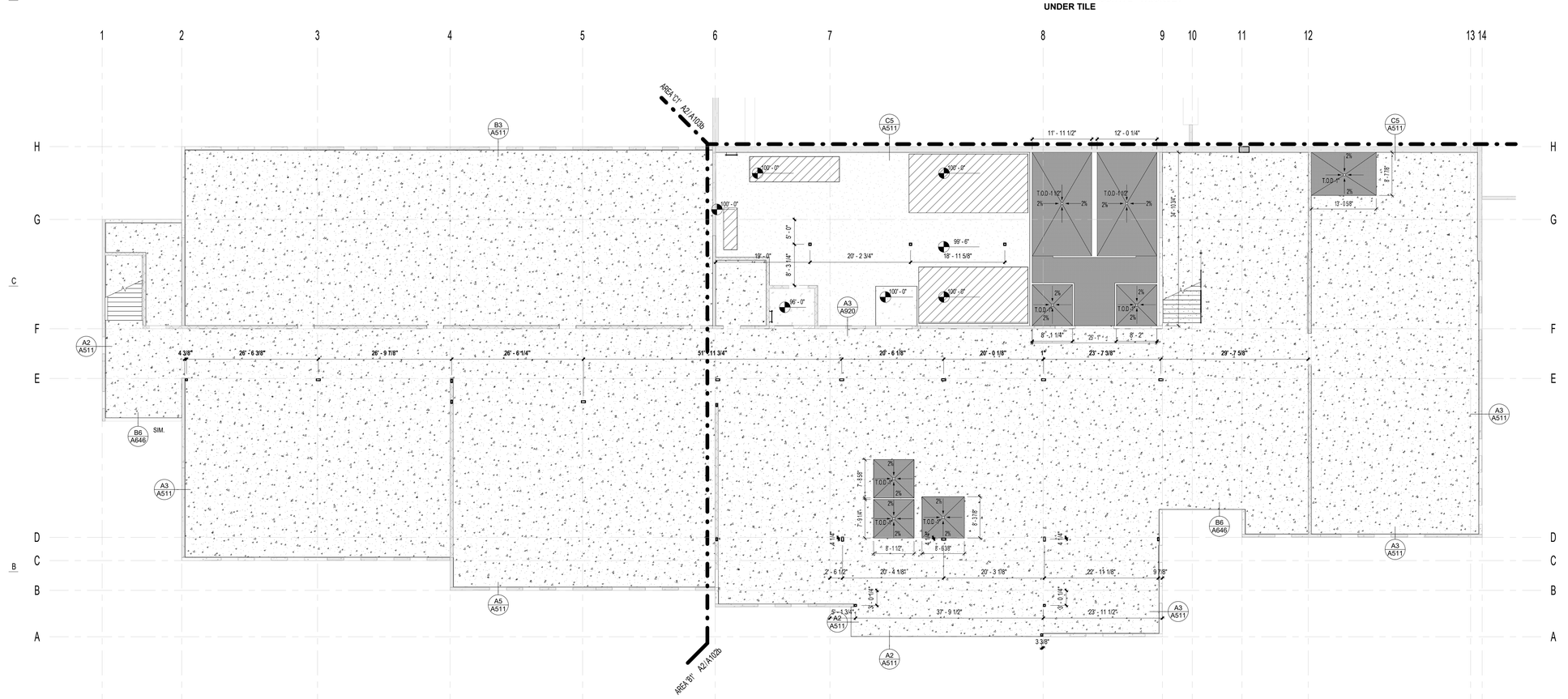
1. COLUMNS DIMENSIONS ARE FROM CENTERLINE OF COLUMN TO CENTERLINE OF COLUMN.
2. DIMENSIONS SHOWN ON SLAB PENETRATIONS ARE DETERMINED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME THE DRAWINGS WERE COMPLETED. DIMENSIONS SHOWN ARE TO ASSIST THE CONTRACTOR ONLY AND SHALL NOT BE USED AS A SUBSTITUTE FOR PROPER CONTRACTOR COORDINATION OF MECHANICAL, PLUMBING, AND ELECTRICAL WHICH PENETRATE THE FLOOR AND ROOF SLABS.
3. ALL DIMENSIONS ARE TO BE COORDINATED WITH THE ASSOCIATED TRADES AND THE FIELD VERIFIED MEASUREMENTS.
4. REFER TO ENLARGED PLUMBING PLANS FOR ADDITIONAL PLUMBING INFORMATION AND ASSOCIATED FIXTURE LOCATIONS.
5. EVERY EFFORT HAS BEEN MADE TO SHOW THE CORRECT NUMBER OF PENETRATIONS ON THE SLAB EDGE PLANS. THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE USED TO DETERMINE EXACT NUMBER AND TYPE OF FIXTURES TO BE INSTALLED.
6. NO SAW CUTTING OR CORE DRILLING IN SUSPENDED CONCRETE SLABS ALLOWED WITHOUT PRIOR APPOVAL OF STRUCTURAL ENGINEER OR ARCHITECT.
7. REFER TO FLOOR FINISH PLANS FOR FLOOR FINISHES REQUIRING RECESSED SLABS AND LOCATIONS.
8. NON-STRUCTURAL WALLS ARE HIDDEN FOR CLARITY. REFER TO ANNOTATION AND DIMENSION PLANS FOR LOCATIONS OF NON-STRUCTURAL WALLS.
9. COORDINATE FINAL HOUSE KEEPING SIZES WITH MECHANICAL AND ELETRICAL TRADES

SLAB EDGE LEGEND

- TYPICAL CONCRETE SLAB ON GRADE OR ON DECK. REFER TO STRUCTURAL DRAWINGS, SLAB EDGE PLANS, AND SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- RECESSED CONCRETE SLAB ON GRADE OR DECK TO ALLOW FOR THICKSET TILE. REFER TO STRUCTURAL DRAWINGS. THE SLAB IS TO BE FINISHED WITH A THICKSET MORTAR FLOOR FINISH (WHERE OCCURS), REFER TO SLAB EDGE PLANS & SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- CONCRETE OVER METAL DECK RECESSED TO ALLOW FOR THICKSET TILE. REFER TO STRUCTURAL DRAWINGS. THE SLAB IS TO BE FINISHED WITH A THICKSET MORTAR FLOOR FINISH (WHERE OCCURS), REFER TO SLAB EDGE PLANS & SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- REINFORCED CONCRETE HOUSEKEEPING PAD, REFER TO STRUCTURAL DRAWINGS, SLAB EDGE PLANS, AND SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.

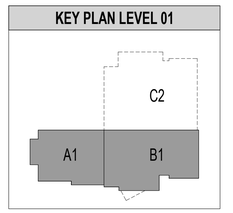
- SLAB OPENING.
- FLOOR DRAIN.
- TRENCH DRAIN.
- CONCRETE TILT-UP WALLS, REFER TO WALL TYPES.
- MASONRY WALLS, REFER TO WALL TYPES.

NOTE: AT THICK-SET LOCATIONS, REFER TO FINISH PLANS. SLOPE CONCRETE SLAB UNDER THICK-SET TILE TO ALLOW FOR CONT. 2" THICKSET UNDER TILE



1 A115 LEVEL 01 SLAB EDGE FLOOR PLAN
1" = 10'-0"

KEY PLAN LEVEL 01



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0119.002
NWL PROJECT

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NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

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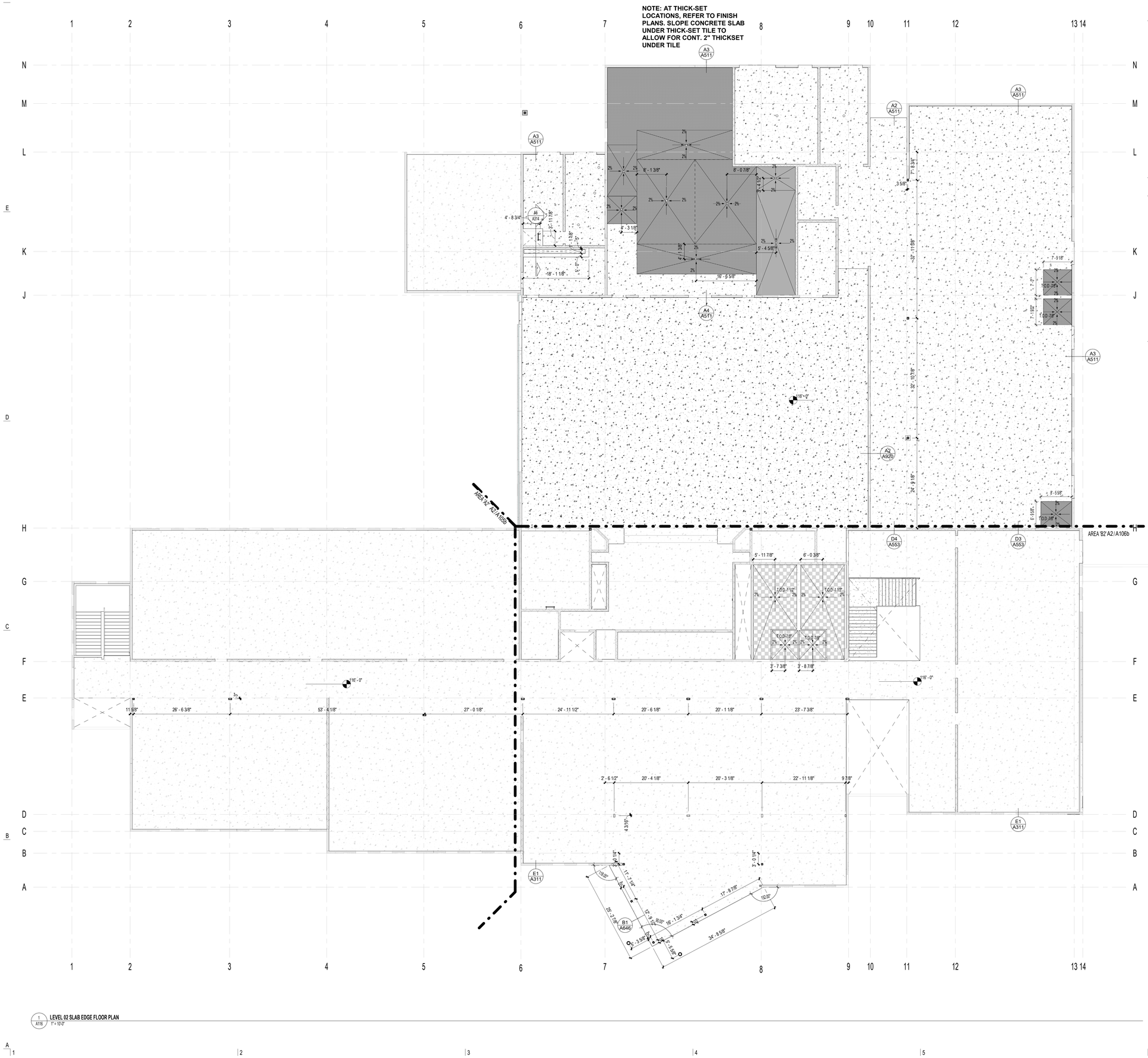
LEVEL 01 SLAB EDGE PLAN

A115

NOTE: AT THICK-SET LOCATIONS, REFER TO FINISH PLANS. SLOPE CONCRETE SLAB UNDER THICK-SET TILE TO ALLOW FOR CONT. 2" THICKSET UNDER TILE



1 A116 **LEVEL 02 SLAB EDGE FLOOR PLAN**
1" = 10'-0"

GENERAL NOTES - SLAB EDGE PLANS

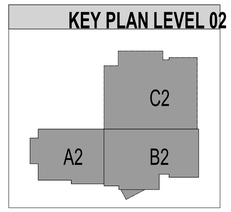
1. COLUMNS DIMENSIONS ARE FROM CENTERLINE OF COLUMN TO CENTERLINE OF COLUMN.
2. DIMENSIONS SHOWN ON SLAB PENETRATIONS ARE DETERMINED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME THE DRAWINGS WERE COMPLETED. DIMENSIONS SHOWN ARE TO ASSIST THE CONTRACTOR ONLY AND SHALL NOT BE USED AS A SUBSTITUTE FOR PROPER CONTRACTOR COORDINATION OF MECHANICAL, PLUMBING, AND ELECTRICAL WHICH PENETRATE THE FLOOR AND ROOF SLABS.
3. ALL DIMENSIONS ARE TO BE COORDINATED WITH THE ASSOCIATED TRADES AND THE FIELD VERIFIED MEASUREMENTS.
4. REFER TO ENLARGED PLUMBING PLANS FOR ADDITIONAL PLUMBING INFORMATION AND ASSOCIATED FIXTURE LOCATIONS.
5. EVERY EFFORT HAS BEEN MADE TO SHOW THE CORRECT NUMBER OF PENETRATIONS ON THE SLAB EDGE PLANS. THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE USED TO DETERMINE EXACT NUMBER AND TYPE OF FIXTURES TO BE INSTALLED.
6. NO SAW CUTTING OR CORE DRILLING IN SUSPENDED CONCRETE SLABS ALLOWED WITHOUT PRIOR APPOVAL OF STRUCTURAL ENGINEER OR ARCHITECT.
7. REFER TO FLOOR FINISH PLANS FOR FLOOR FINISHES REQUIRING RECESSED SLABS AND LOCATIONS.
8. NON-STRUCTURAL WALLS ARE HIDDEN FOR CLARITY. REFER TO ANNOTATION AND DIMENSION PLANS FOR LOCATIONS OF NON-STRUCTURAL WALLS.
9. COORDINATE FINAL HOUSE KEEPING SIZES WITH MECHANICAL AND ELETRICAL TRADES

SLAB EDGE LEGEND

- TYPICAL CONCRETE SLAB ON GRADE OR ON DECK. REFER TO STRUCTURAL DRAWINGS, SLAB EDGE PLANS, AND SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- RECESSED CONCRETE SLAB ON GRADE OR DECK TO ALLOW FOR THICKSET TILE. REFER TO STRUCTURAL DRAWINGS. THE SLAB IS TO BE FINISHED WITH A THICKSET MORTAR FLOOR FINISH (WHERE OCCURS), REFER TO SLAB EDGE PLANS & SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- CONCRETE OVER METAL DECK RECESSED TO ALLOW FOR THICKSET TILE. REFER TO STRUCTURAL DRAWINGS. THE SLAB IS TO BE FINISHED WITH A THICKSET MORTAR FLOOR FINISH (WHERE OCCURS). REFER TO SLAB EDGE PLANS & SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.
- REINFORCED CONCRETE HOUSEKEEPING PAD. REFER TO STRUCTURAL DRAWINGS, SLAB EDGE PLANS, AND SLAB DETAILS FOR THE FINAL ELEVATIONS OF THE FLOORS.

- SLAB OPENING.
- FLOOR DRAIN.
- TRENCH DRAIN.
- CONCRETE TILT-UP WALLS, REFER TO WALL TYPES.
- MASONRY WALLS. REFER TO WALL TYPES.

KEY PLAN LEVEL 02



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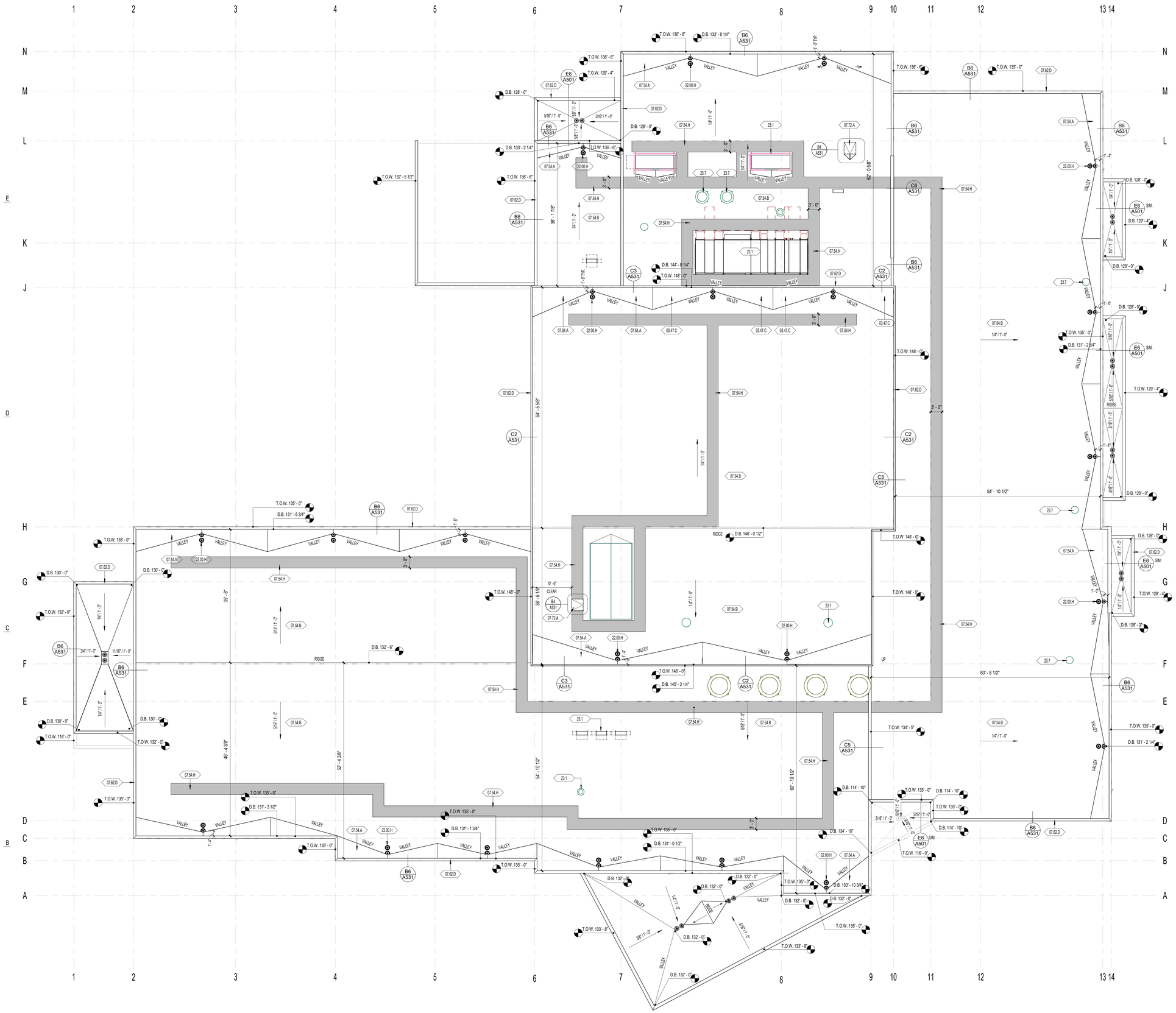
LEVEL 02 SLAB EDGE PLAN

A116



1 A171 ROOF PLAN
1" = 10'-0"

GENERAL NOTES - ROOF PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. ALL ROOF SLOPES 5/16" PER FOOT MINIMUM, UNLESS NOTED OTHERWISE.
3. PROVIDE CRICKETING AROUND ROOF HATCHES & MECHANICAL EQUIPMENT, TYPICAL.
4. COORDINATE ROOF PENETRATIONS WITH MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.47.C	03 4713 - CONCRETE TILT-UP WALL PANEL FORM LINER
07.54.A	07 5400 - TAPERED RIGID FOAM BOARD AT ROOF CRICKETS
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.H	07 5400 - ROOF WALK WAY PADS
07.62.D	07 6200 - PRE-FINISHED METAL CAP FLASHING WITH 1" STANDING SEAMS- FIELD VERIFY EXISTING CONDITIONS
07.72.A	07 7200 - SQUARED ROOF ACCESS HATCH WITH (LADDER UP) SAFETY RAILING
22.00.H	22 0000 - PRIMARY AND SECONDARY ROOF DRAINS, REFER TO PLUMBING DRAWINGS
23.1	23 0000 - MECHANICAL EQUIPMENT/DUCT, REFER TO MECHANICAL PLANS
23.7	28 0000 - EXHAUST FAN, REFER TO MECHANICAL PLANS

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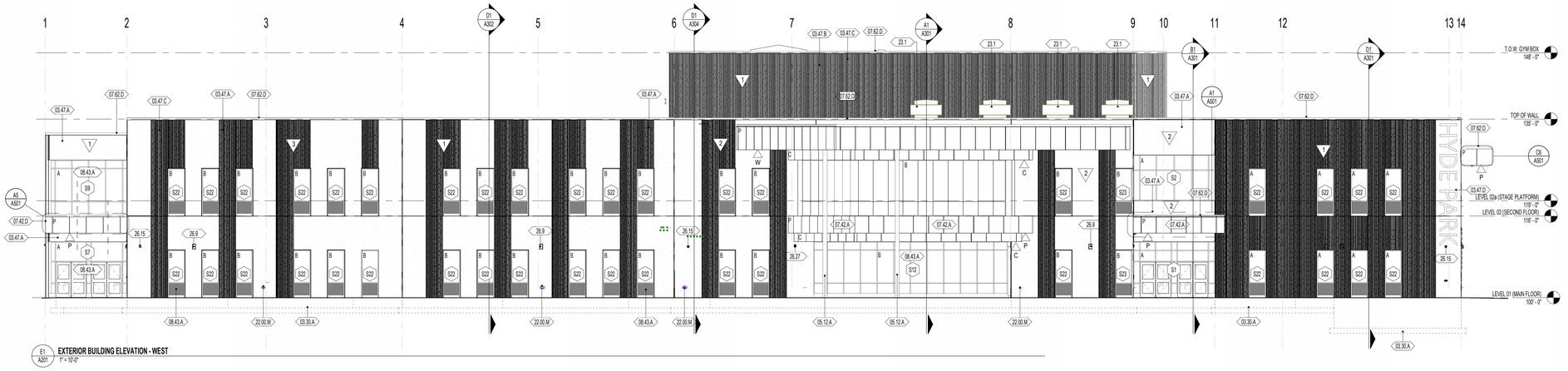
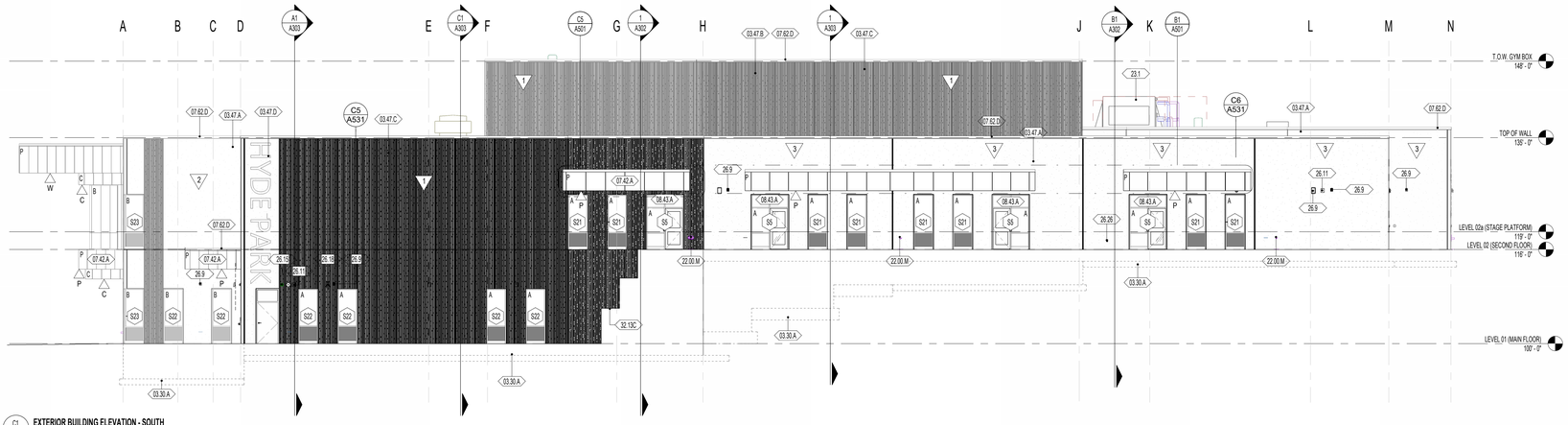
ROOF PLAN

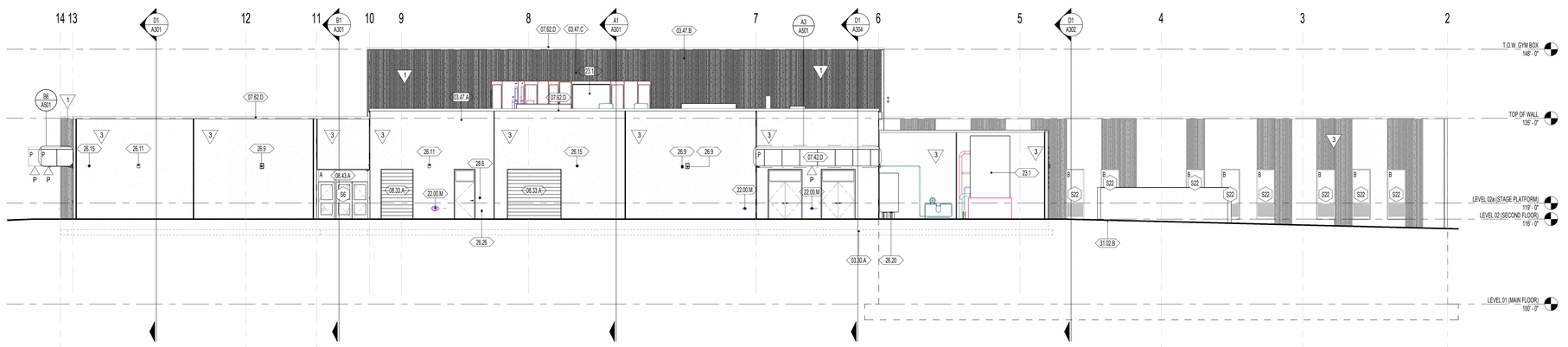
A171



E1 A201 **EXTERIOR BUILDING ELEVATION - WEST**
1" = 10'-0"



C1 A201 **EXTERIOR BUILDING ELEVATION - SOUTH**
1" = 10'-0"



A1 A201 **EXTERIOR BUILDING ELEVATION - EAST**
1" = 10'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

1. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.
2. COORDINATE GRADING WITH CIVIL.
3. REFER TO SHEET A820 FOR TILT-UP FORM LINER DETAILS

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.A	03 3300 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS; REFER TO STRUCTURAL DRAWINGS
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47.B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL, INTEGRALLY COLORED; REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
03.47.C	03 4713 - CONCRETE TILT-UP WALL PANEL FORM LINER
03.47.D	03 4713 - CONCRETE TILT-UP WALL PANEL WITH LETTERS FORMED IN PLACE
05.12.A	05 1200 - STEEL COLUMN; REFER TO STRUCTURAL DRAWINGS
07.42.A	07 4213 - PRE-FINISHED METAL WALL AND SOFFIT PANELS WITH FURRING, INSULATION AND TRIM
07.42.D	07 4264 - PRE-FINISHED METAL COMPOSITE SOFFIT AND CR WALL PANEL
07.62.D	07 6200 - PRE-FINISHED METAL CAP FLASHING WITH 1" STANDING SEAMS- FIELD VERIFY EXISTING CONDITIONS
08.33.A	08 3323 - OVERHEAD COILING DOOR; REFER TO SCHEDULE AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR; REFER TO OPENING ELEVATIONS AND DETAILS.
22.00.M	22 0000 - ROOF DRAIN DOWNSPOUT NOZZLE. REFER TO PLUMBING DRAWINGS
23.1	23 0000 - MECHANICAL EQUIPMENT/DUCT. REFER TO MECHANICAL PLANS
26.9	26 0000 - SPEAKER; REFER TO ELECTRICAL DRAWINGS
26.11	26 0000 - EXTERIOR WALL PACK; REFER TO ELECTRICAL DRAWINGS
26.15	26 0000 - SECURITY CAMERA; REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION; REFER TO ELECTRICAL
26.20	26 0000 - ELECTRICAL EQUIPMENT; REFER TO ELECTRICAL DRAWINGS
26.26	26 0000 - EXTERIOR POWER OUTLET. REFER TO ELECTRICAL
26.27	26
28.6	28 0000 - SECURITY CREDENTIALS PANEL; REFER TO ELECTRICAL PLANS & SPECIFICATIONS
31.02.B	31 0200 - FINISH GRADE; REFER TO LANDSCAPE AND CIVIL DRAWINGS
32.13C	32 1300 - CONCRETE SITE WALL. ARCHITECTURAL FINISH. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS

TILT-UP INTERGRATED COLOR

#	
1	COLOR 1 - U49 DEEP CHARCOAL; REFER TO SPECIFICATIONS
2	COLOR 2 - U28 CHARCOAL; REFER TO SPECIFICATIONS
3	COLOR 3 - U18 GULL GRAY; REFER TO SPECIFICATIONS

NOTE:

1. TILT-UP CONCRETE SANDWICH PANEL; CONCRETE VENEER COLOR 1 (U49) AND STRUCTURAL CONCRETE PANEL COLOR 2 (U28)

METAL PANEL COLOR

P	JY - 2570, COPPER PENNY MICA; REFER TO SPECIFICATIONS 07 4264
C	JY - 2550, CHAMPAGNE MICA; REFER TO SPECIFICATIONS 07 4264
W	WOOD GRAINED; REFER TO SPECIFICATIONS 07 4616

= FACE PANEL INDICATOR
△ # = SOFFIT PANEL INDICATOR

NOTE:

1. REVIEW CANOPIES ON ELEVATIONS FOR COLOR ASSIGNMENT.
2. COLOR 2 (JY - 2750), TO BE USED FOR UPPER SOFFIT ON MEDIA CENTER CANOPY.
3. SOFFITS ON ALL CANOPIES TO MATCH ADJACENT ACM FACE PANEL, UNLESS INDICATED OTHERWISE.

STOREFRONT MULLION COLOR

A	CLASS 1 NATURAL ANODIZED ALUMINUM. REFER TO SPECIFICATIONS 08 4313
B	BLACK ANODIZED ALUMINUM. REFER TO SPECIFICATIONS 08 4313

NOTE:

1. REVIEW STOREFRONTS ON ELEVATIONS FOR COLOR ASSIGNMENT.
2. EXTERIOR LOCATIONS WITH HARDWARE TO USE COLOR A.

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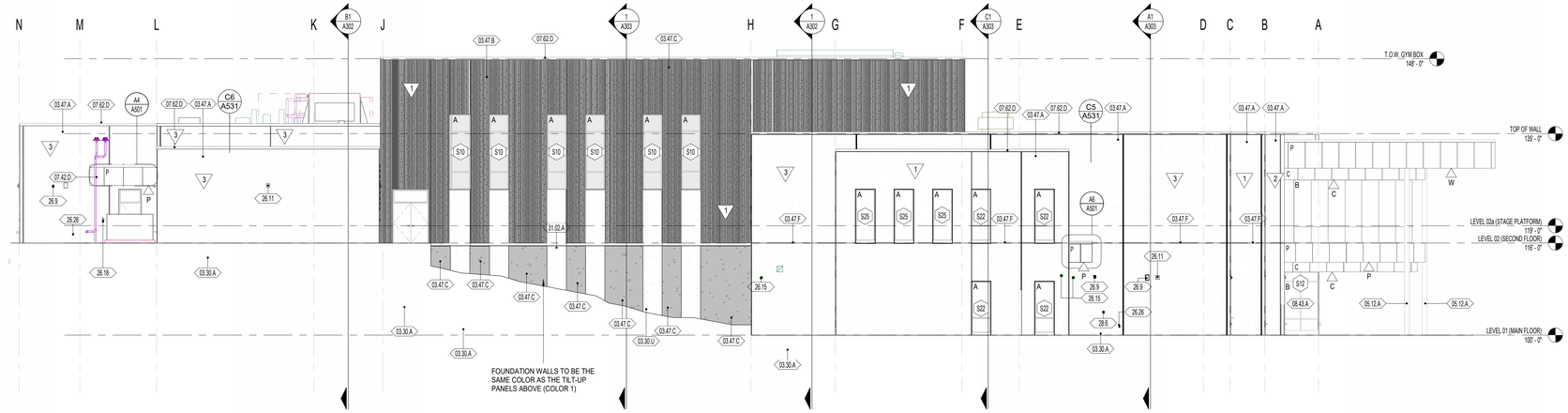
BUILDING ELEVATIONS

A201

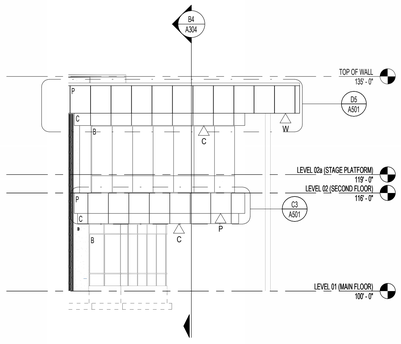


D1 A202 **EXTERIOR BUILDING ELEVATION - NORTH**
1" = 10'-0"

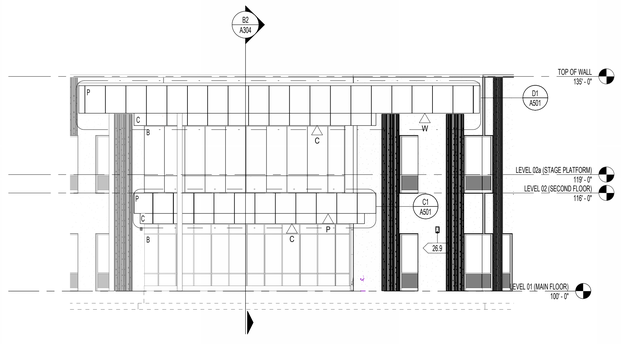
C1 A202 **EXTERIOR BUILDING ELEVATION - EAST MAIN LEVEL**
1" = 10'-0"

C4 A202 **EXTERIOR BUILDING ELEVATION - SOUTH ENTRANCE**
1" = 10'-0"

C5 A202 **EXTERIOR BUILDING ELEVATION - NORTH ENTRANCE**
1" = 10'-0"



A1 A202 **EXTERIOR BUILDING ELEVATION - NORTH CANTILEVER**
1" = 10'-0"



A2 A202 **EXTERIOR BUILDING ELEVATION - SOUTH CANTILEVER**
1" = 10'-0"

A
1 2 3 4 5 6

GENERAL NOTES - EXTERIOR ELEVATIONS

1. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.
2. COORDIANTE GRADING WITH CIVIL.
3. REFER TO SHEET A820 FOR TILT-UP FORM LINER DETAILS

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30 A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS; REFER TO STRUCTURAL DRAWINGS
03.30 U	03 3000 - REINFORCED CONCRETE FOUNDATION WALL, ARCHITECTURAL FINISH; REFER TO STRUCTURAL DRAWINGS
03.47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47 B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL, INTEGRALLY COLORED; REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
03.47 C	03 4713 - CONCRETE TILT-UP WALL PANEL FORM LINER
03.47 F	03 4713 - CONCRETE TILT-UP WALL PANEL REVEAL
05.12 A	05 1200 - STEEL COLUMN, REFER TO STRUCTURAL DRAWINGS
07.42 D	07 4264 - PRE-FINISHED METAL COMPOSITE SOFFIT AND OR WALL PANEL
07.62 D	07 6200 - PRE-FINISHED METAL CAP FLASHING WITH 1" STANDING SEAMS- FIELD VERIFY EXISTING CONDITIONS
08.43 A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR; REFER TO OPENING ELEVATIONS AND DETAILS.
22.00 M	22 0000 - ROOF DRAIN DOWNSPOUT NOZZLE. REFER TO PLUMBING DRAWINGS
26.0	26 0000 - SPEAKER, REFER TO ELECTRICAL DRAWINGS
26.11	26 0000 - EXTERIOR WALL PACK, REFER TO ELECTRICAL DRAWINGS
26.15	26 0000 - SECURITY CAMERA, REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION, REFER TO ELECTRICAL
26.26	26 0000 - EXTERIOR POWER OUTLET, REFER TO ELECTRICAL
28.6	28 0000 - SECURITY CREDENTIALS PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS
31.02 A	31 0200 - ENGINEERED FILL; REFER TO CIVIL DRAWINGS AND GEOTECHNICAL REPORT
31.02 B	31 0200 - FINISH GRADE, REFER TO LANDSCAPE AND CIVIL DRAWINGS

TILT-UP INTERGRATED COLOR

1	COLOR 1 - U49 DEEP CHARCOAL; REFER TO SPECIFICATIONS
2	COLOR 2 - U28 CHARCOAL; REFER TO SPECIFICATIONS
3	COLOR 3 - U18 GULL GRAY; REFER TO SPECIFICATIONS

NOTE:

1. TILT-UP CONCRETE SANDWICH PANEL; CONCRETE VENEER COLOR 1 (U49) AND STRUCTURAL CONCRETE PANEL COLOR 2 (U28)

METAL PANEL COLOR

P	JY - 2570, COPPER PENNY MICA; REFER TO SPECIFICATIONS 07 4264
C	JY - 2550, CHAMPAGNE MICA; REFER TO SPECIFICATIONS 07 4264
W	WOOD GRAINED; REFER TO SPECIFICATIONS 07 4616

= FACE PANEL INDICATOR
△ # = SOFFIT PANEL INDICATOR

NOTE:

1. REVIEW CANOPIES ON ELEVATIONS FOR COLOR ASSIGNMENT.
2. COLOR 2 (JY - 2750), TO BE USED FOR UPPER SOFFIT ON MEDIA CENTER CANOPY.
3. SOFFITS ON ALL CANOPIES TO MATCH ADJACENT ACM FACE PANEL, UNLESS INDICATED OTHERWISE.

STOREFRONT MULLION COLOR

A	CLASS 1 NATURAL ANODIZED ALUMINUM. REFER TO SPECIFICATIONS 08 4313
B	BLACK ANODIZED ALUMINUM. REFER TO SPECIFICATIONS 08 4313

NOTE:

1. REVIEW STOREFRONTS ON ELEVATIONS FOR COLOR ASSIGNMENT.
2. EXTERIOR LOCATIONS WITH HARDWARE TO USE COLOR A.

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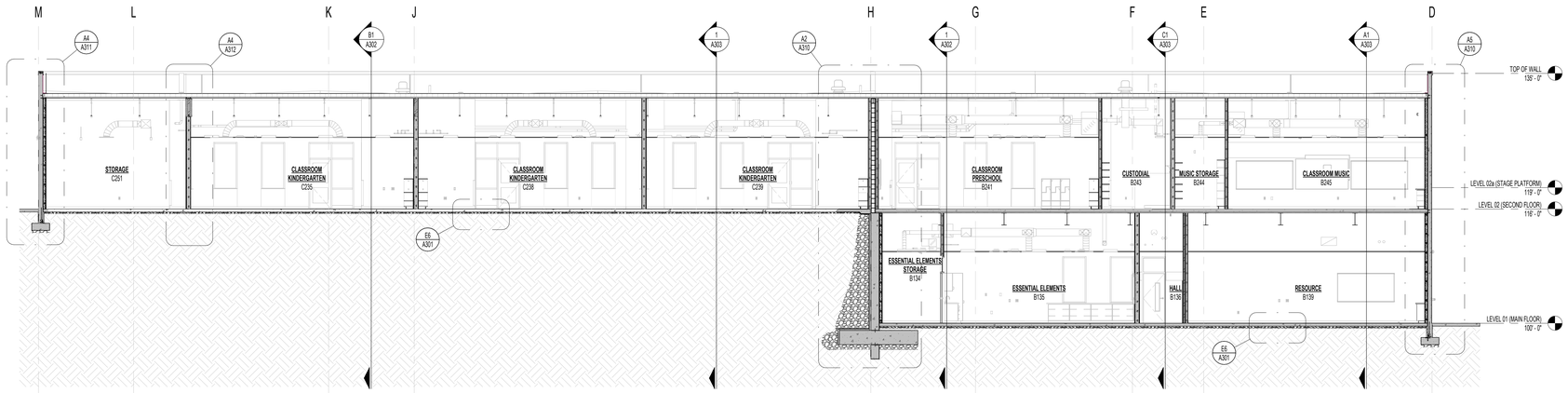
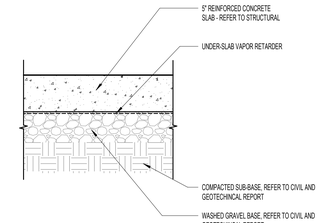
BUILDING ELEVATIONS

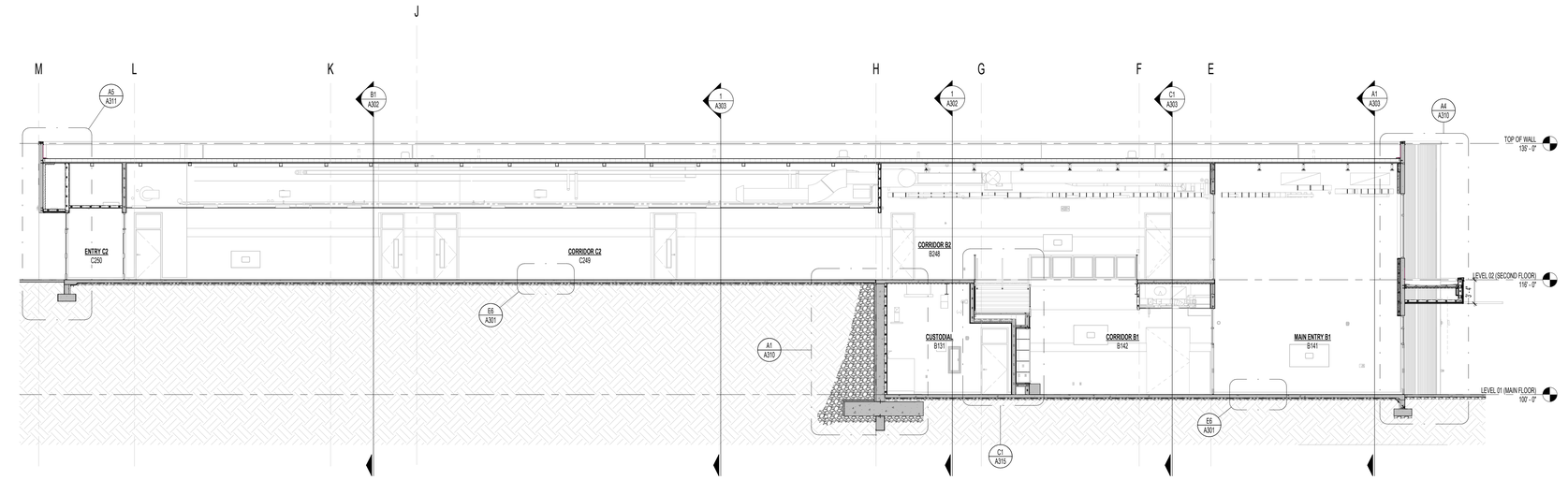
A202



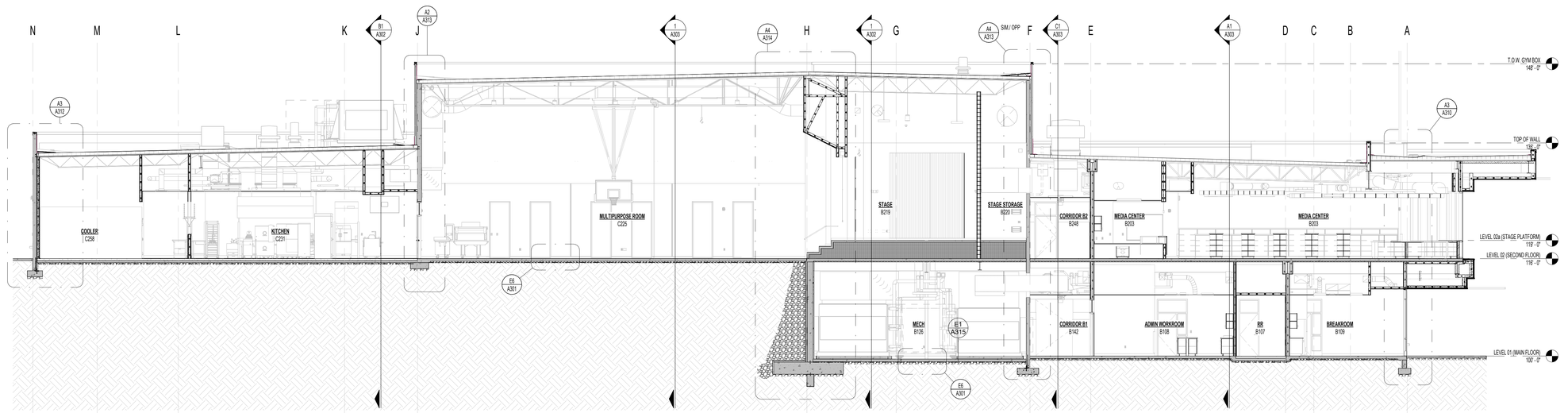
D1 A301 **BUILDING SECTION**
1/8" = 1'-0"



E6 A301 **TYPICAL SLAB ON-GRADE DETAIL**
1 1/2" = 1'-0"



B1 A301 **BUILDING SECTION**
1/8" = 1'-0"



A1 A301 **BUILDING SECTION**
1/8" = 1'-0"

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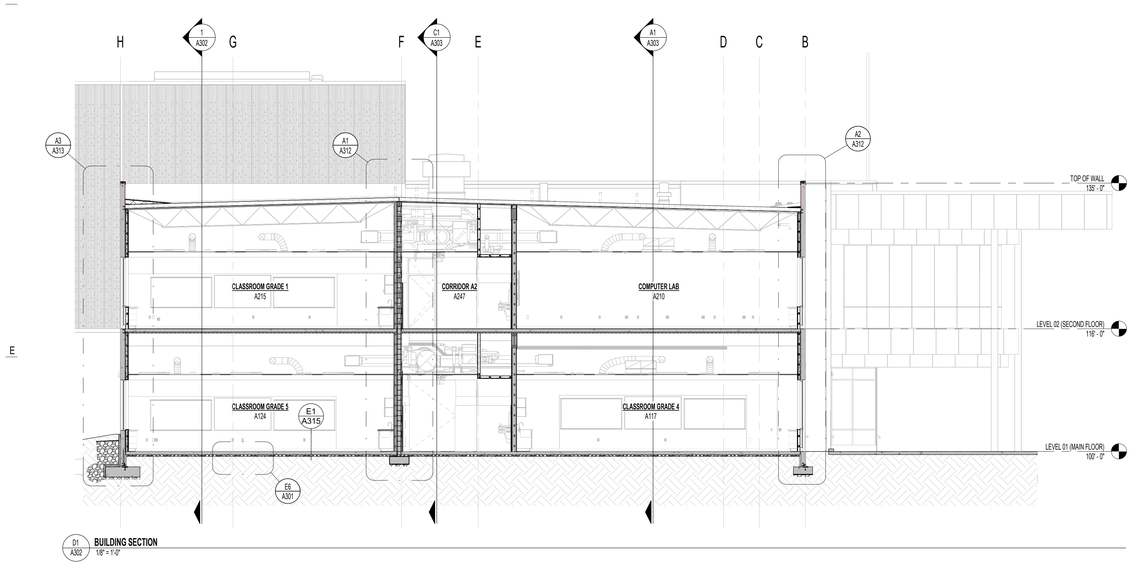
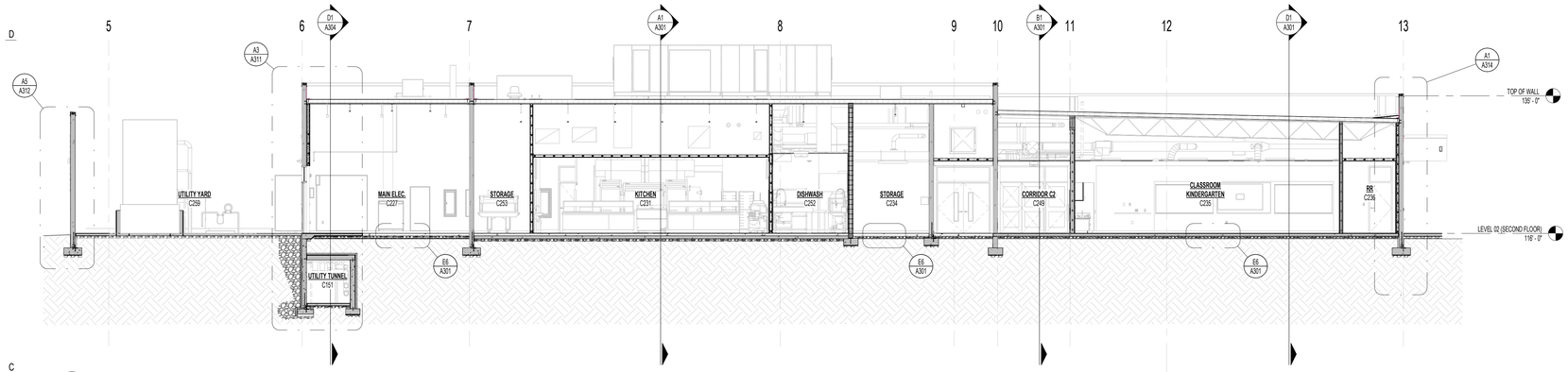
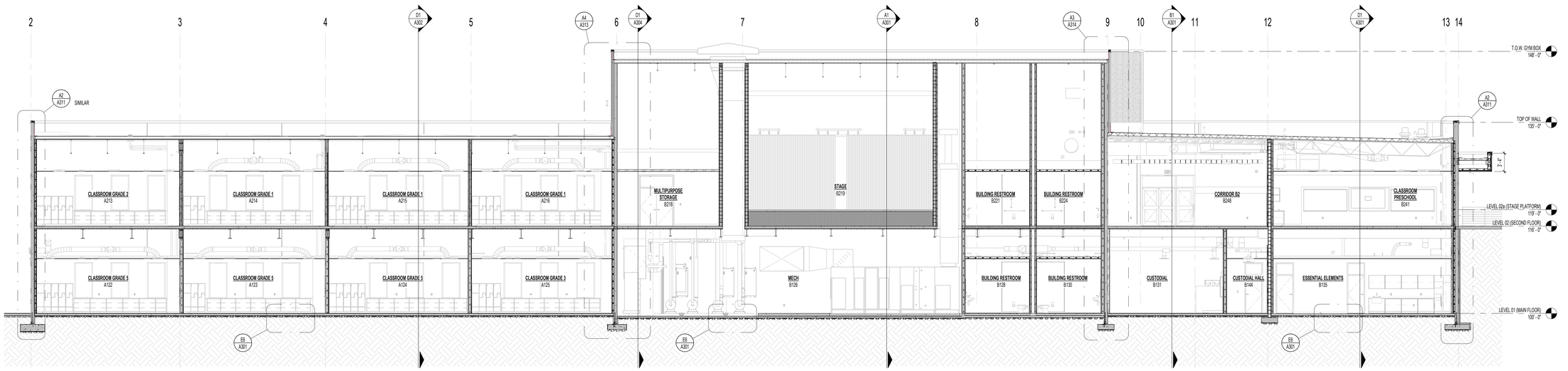
A301



D1 A302 **BUILDING SECTION** 1/8" = 1'-0"



B1 A302 **BUILDING SECTION** 1/8" = 1'-0"



1 A302 **BUILDING SECTION** 1/8" = 1'-0"

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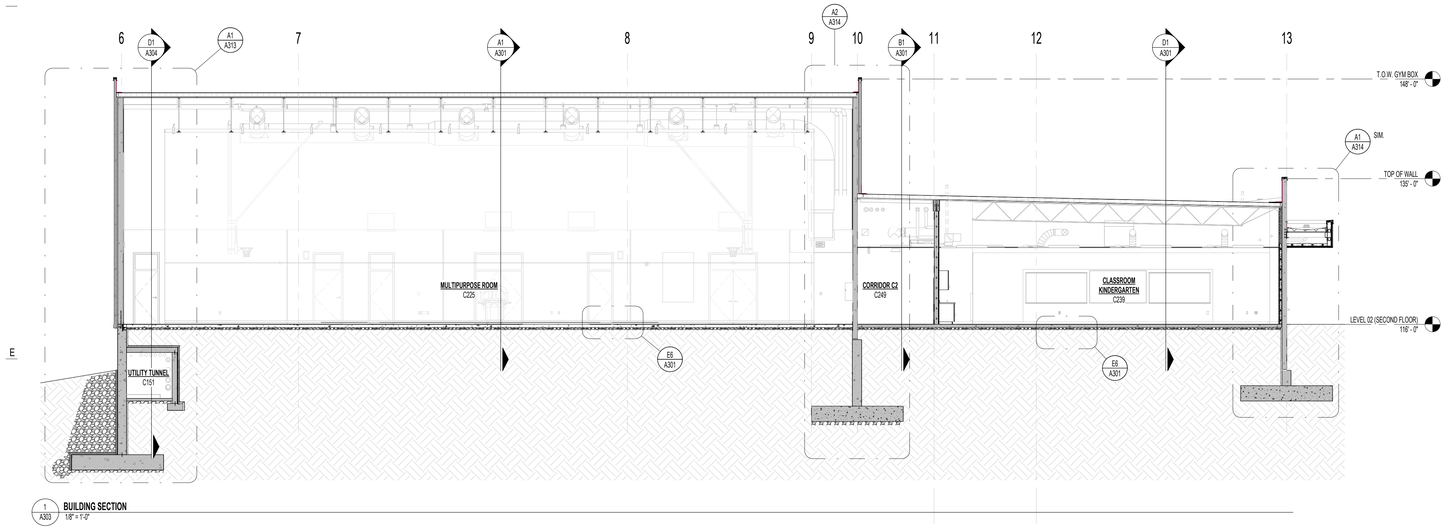
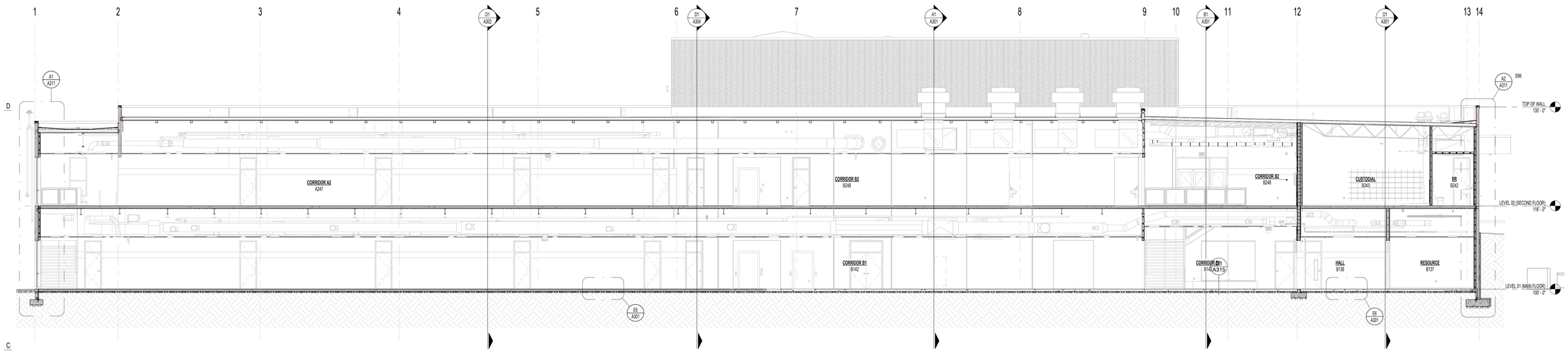
BUILDING SECTIONS

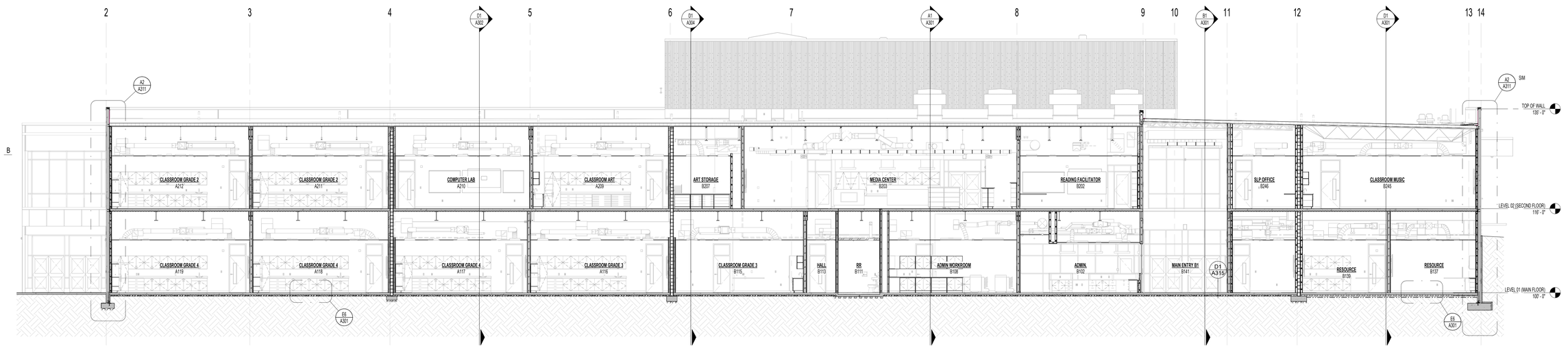
A302



1 A303 **BUILDING SECTION** 1/8" = 1'-0"



C1 A303 **BUILDING SECTION** 1/8" = 1'-0"



A1 A303 **Section 13** 1/8" = 1'-0"

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

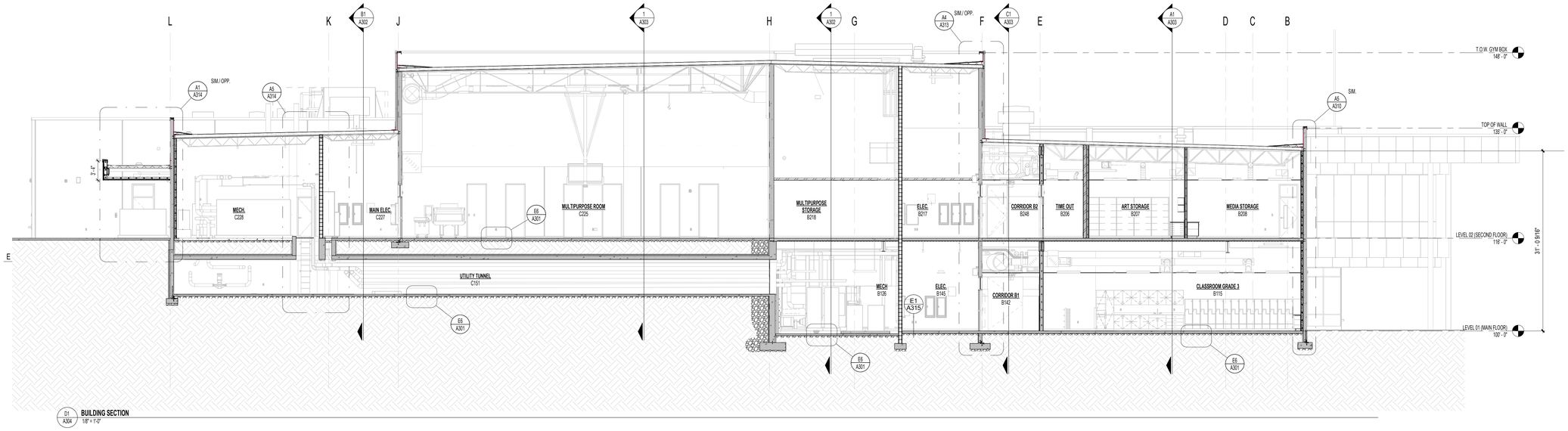
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

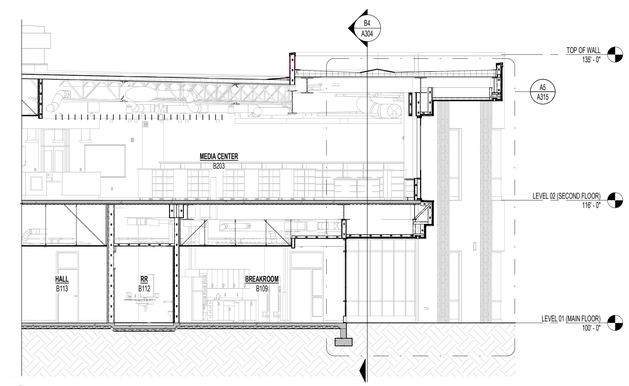
△	DATE	REVISION

BUILDING SECTIONS

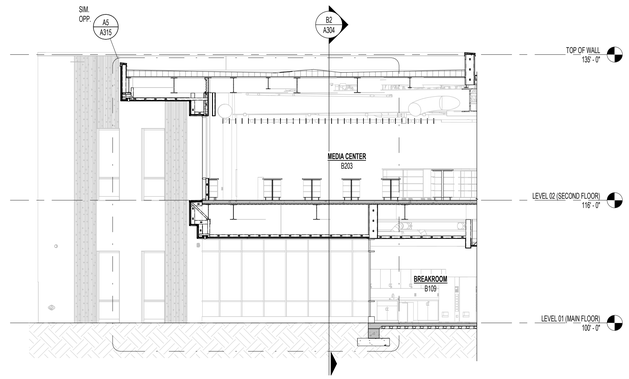
A303



D1 A304 **BUILDING SECTION** 1/8" = 1'-0"



B2 A304 **BUILDING SECTION** 1/8" = 1'-0"



B4 A304 **BUILDING SECTION** 1/8" = 1'-0"

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STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE REVISION

BUILDING SECTIONS

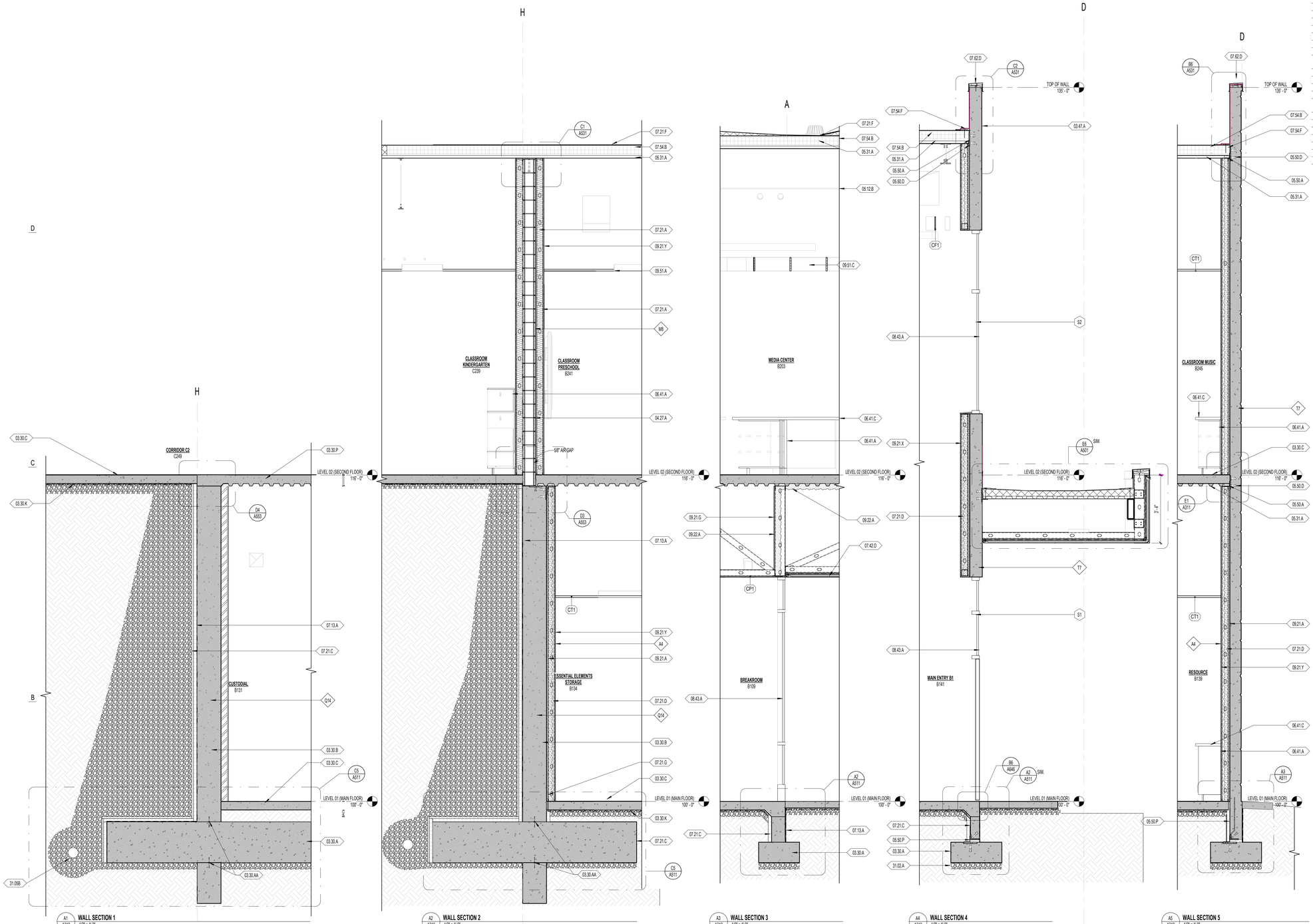
A304

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.AA	03 3000 - WATER STOP-SERRATED
03.30.B	03 3000 - REINFORCED CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.K	03 3000 - MEMBRANE VAPOR BARRIER
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
04.27.A	04 2731 - 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.12.B	05 1200 - STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.A	05 5000 - STEEL ANGLE, GALVANIZED & PAINTED, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS, REFER TO STRUCTURAL DRAWINGS
05.50.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION, REFER TO STRUCTURAL DRAWINGS
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.21.A	07 2100 - BATT INSULATION TO FILL STUD CAVITY
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.21.F	07 2100 - 4" RIGID INSULATION
07.21.G	07 2100 - 1" RIGID INSULATION
07.42.D	07 4264 - PRE-FINISHED METAL COMPOSITE SOFFIT AND OR WALL PANEL
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.F	07 5400 - HOT AIR WELDED
07.62.D	07 6200 - PRE-FINISHED METAL CAP FLASHING WITH 1" STANDING SEAMS- FIELD VERIFY EXISTING CONDITIONS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.21.X	09 2116 - 5/8" GLASS-MAT BOARD
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.22.A	
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.51.C	09 5100 - ACOUSTICAL FELT CEILING BAFFLES, REFER TO REFLECTED CEILING PLAN AND SPECIFICATIONS.
31.02.A	31 0200 - ENGINEERED FILL, REFER TO CIVIL DRAWINGS AND GEOTECHNICAL REPORT
31.05B	FOUNDATION PERIMETER DRAINAGE WITH AGGREGATE BASE COURSE, REFER TO CIVIL DRAWINGS AND SPECS.



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CACHE COUNTY
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STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

WALL SECTIONS

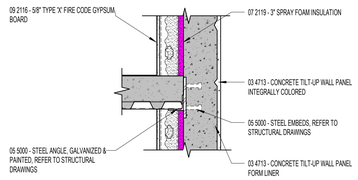
A310

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

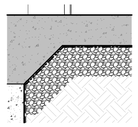
KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.AA	03 3000 - WATER STOP-SERRATED
03.30.B	03 3000 - REINFORCED CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.K	03 3000 - MEMBRANE VAPOR BARRIER
03.30.V	03 3000 - REINFORCED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL, INTEGRALLY COLORED
03.47.C	03 4713 - CONCRETE TILT-UP WALL PANEL FORM LINER
05.21.A	05 2100 - STEEL JOIST OR GIRDER, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.A	05 5000 - STEEL ANGLE, GALVANIZED & PAINTED, REFER TO STRUCTURAL DRAWINGS
05.50.C	05 5000 - STEEL BENT PLATE, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS, REFER TO STRUCTURAL DRAWINGS
05.50.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION, REFER TO STRUCTURAL DRAWINGS
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.13.B	
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.42.D	07 4264 - PRE-FINISHED METAL COMPOSITE SOFFIT AND OR WALL PANEL
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.E	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE FLASHING (WRAP OVER TOP AND SECURE)
07.54.F	07 5400 - HOT AIR WELDED
07.62.D	07 6200 - PRE-FINISHED METAL CAP FLASHING WITH 1" STANDING SEAMS- FIELD VERIFY EXISTING CONDITIONS
07.62.K	07 6200 - ANGLED PRE-FINISHED METAL COPING OVER ANCHORED WOOD NAILER ASSEMBLY
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
31.05B	FOUNDATION PERIMETER DRAINAGE WITH AGGREGATE BASE COURSE. REFER TO CIVIL DRAWINGS AND SPECS.
32.13A	32 1300 - CONCRETE CURBS, GUTTERS, WATERWAYS, SLABS AND SIDEWALKS. REFER TO CIVIL DRAWINGS



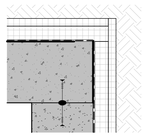
E1 / A311 **Detail 61** 1" = 1'-0"



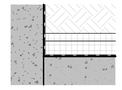
E2 / A311 **Detail 3** 1" = 1'-0"



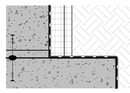
E3 / A311 **Detail 2** 1 1/2" = 1'-0"



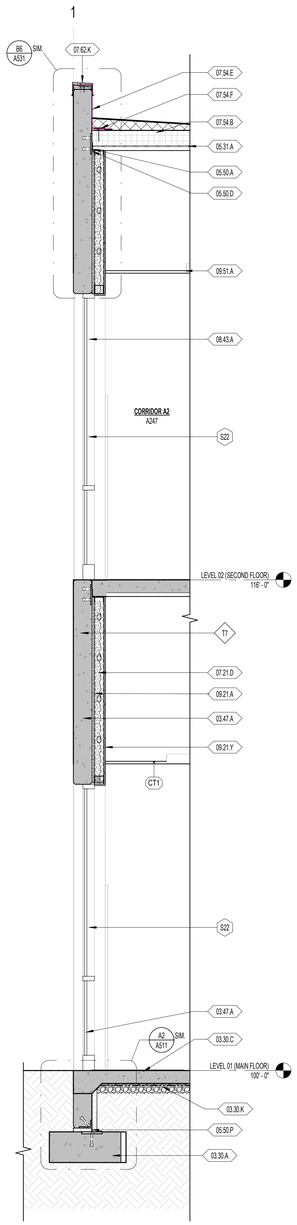
E4 / A311 **Detail 83** 1 1/2" = 1'-0"



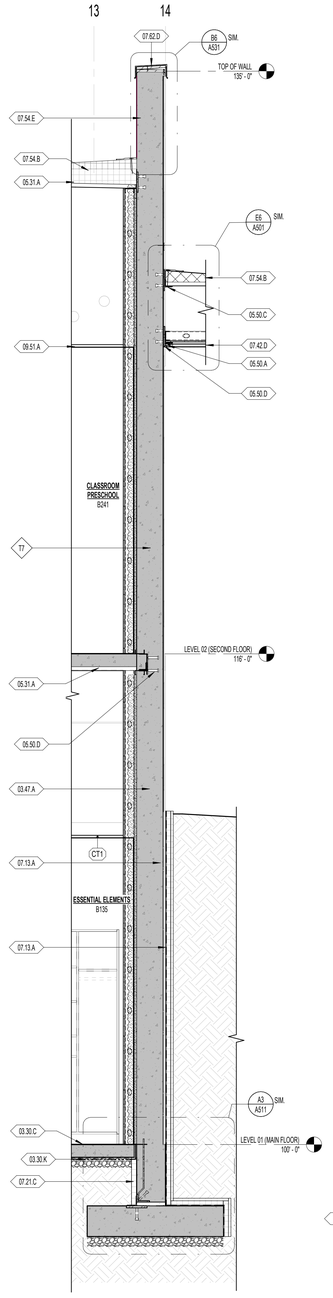
E5 / A311 **Detail 82** 1 1/2" = 1'-0"



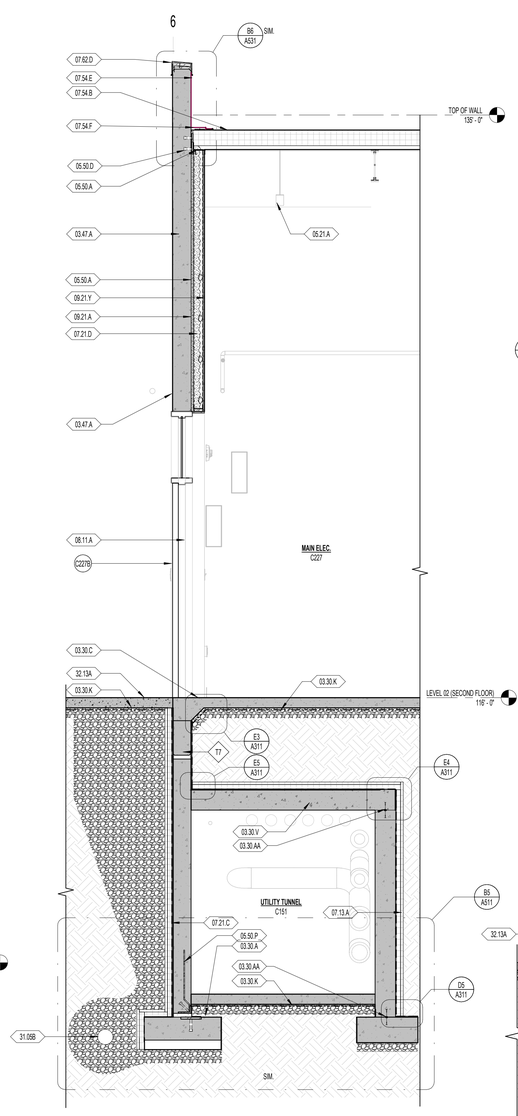
D6 / A311 **Detail 84** 1 1/2" = 1'-0"



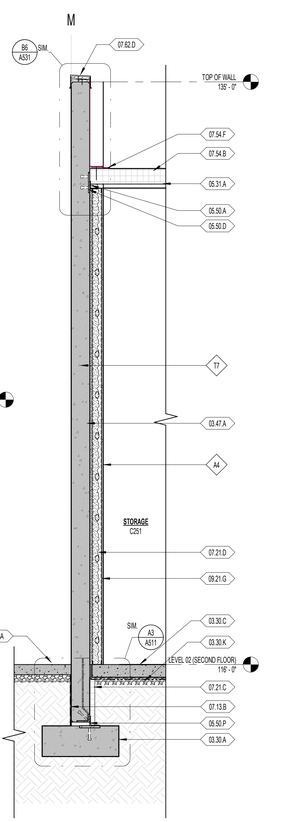
A1 / A311 **WALL SECTION 6** 1/2" = 1'-0"



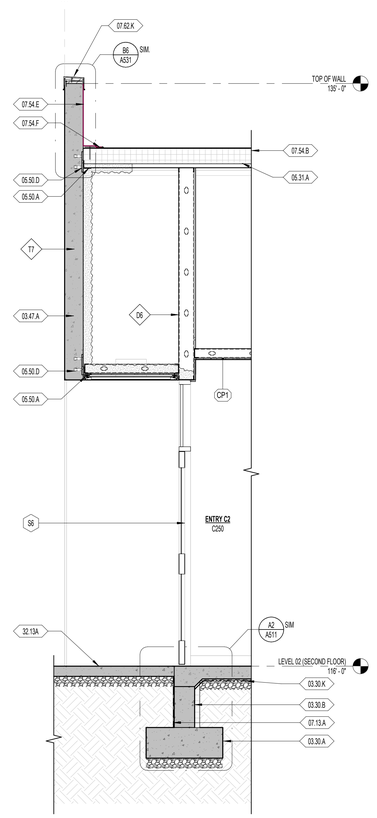
A2 / A311 **WALL SECTION 7** 1/2" = 1'-0"



A3 / A311 **WALL SECTION 8** 1/2" = 1'-0"



A4 / A311 **WALL SECTION 9** 1/2" = 1'-0"



A5 / A311 **WALL SECTION 10** 1/2" = 1'-0"

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DRAWING ISSUE 01/10/2022
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STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
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LICENSED ARCHITECT

△ DATE REVISION

WALL SECTIONS

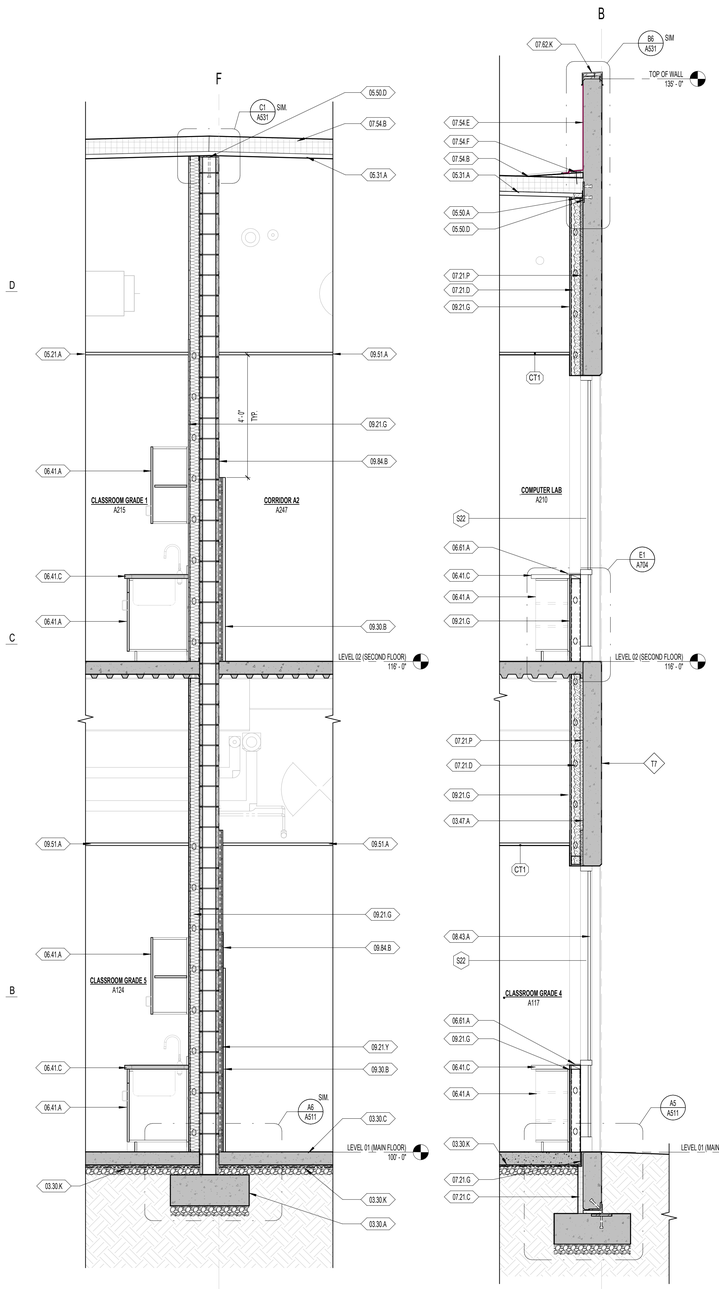
A311

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

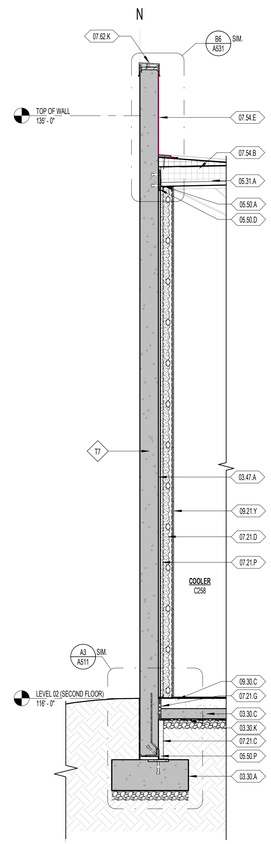
NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS. REFER TO STRUCTURAL DRAWINGS
03.30.I	03 3000 - NON-SHRINK GROUT
03.30.K	03 3000 - MEMBRANE VAPOR BARRIER
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
05.21.A	05 2100 - STEEL JOIST OR GIRDER, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.A	05 5000 - STEEL ANGLE, GALVANIZED & PAINTED, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS, REFER TO STRUCTURAL DRAWINGS
05.50.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION. REFER TO STRUCTURAL DRAWINGS.
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.21.G	07 2100 - 1" RIGID INSULATION
07.21.P	1" AIR GAP
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.E	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE FLASHING (WRAP OVER TOP AND SECURE)
07.54.F	07 5400 - HOT AIR WELDED
07.62.K	07 6200 - ANGLED PRE-FINISHED METAL COPING OVER ANCHORED WOOD NAILER ASSEMBLY
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.21.B	09 2116 - 6" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.30.C	09 3000 - FLOOR TILE OVER 4" THICKSET MORTAR, REFER TO FINISH FLOOR PLAN, FINISH SCHEDULE AND SLAB EDGE PLAN
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.84.B	09 8413 - FELT WALL PANEL, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE

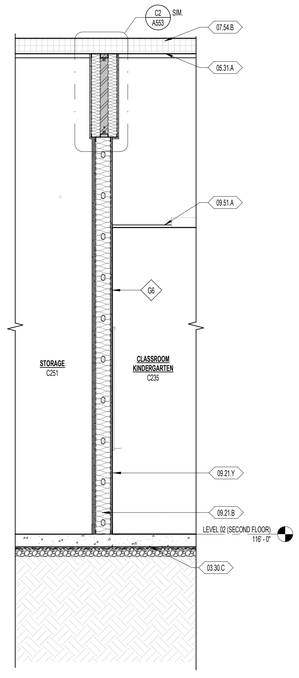


A1 A312 **WALL SECTION 12** 1/2" = 1'-0"

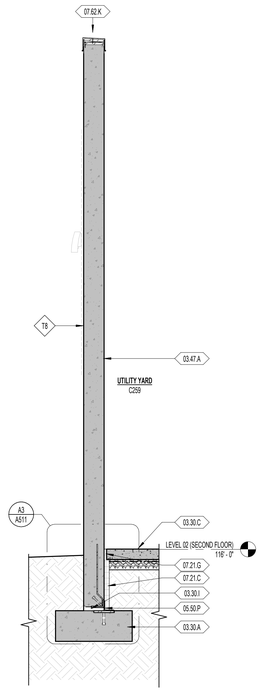
A2 A312 **WALL SECTION 13** 1/2" = 1'-0"



A3 A312 **WALL SECTION 14** 1/2" = 1'-0"



A4 A312 **WALL SECTION 15** 1/2" = 1'-0"



A5 A312 **WALL SECTION 16** 1/2" = 1'-0"

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CACHE COUNTY SCHOOL DISTRICT

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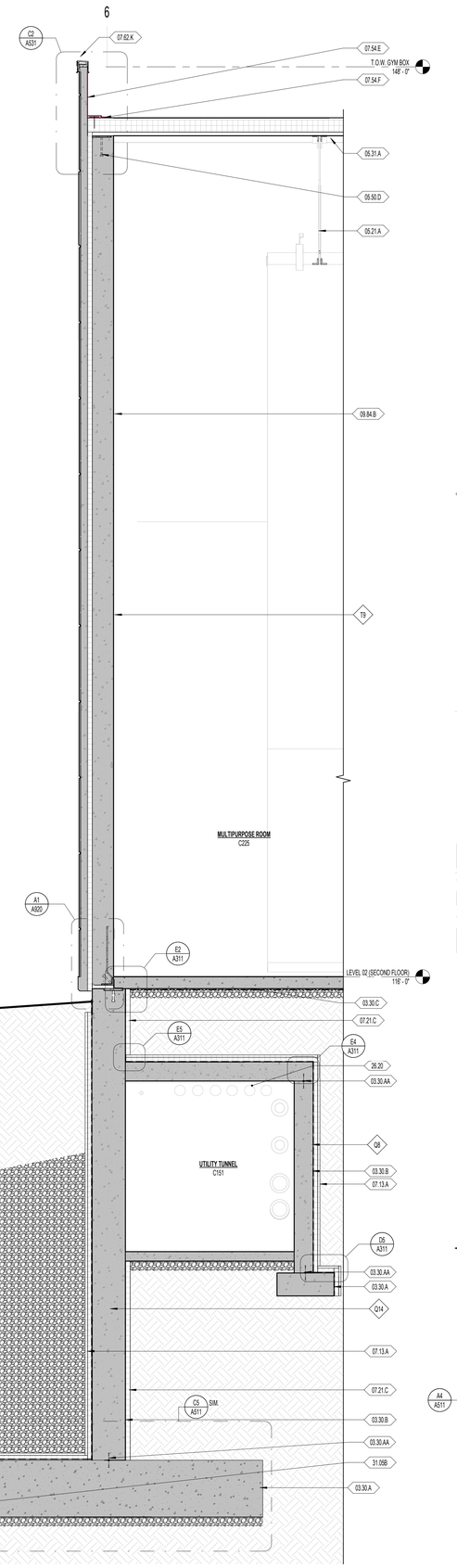
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0118.002

STATE OF UTAH — LICENSED ARCHITECT — NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356

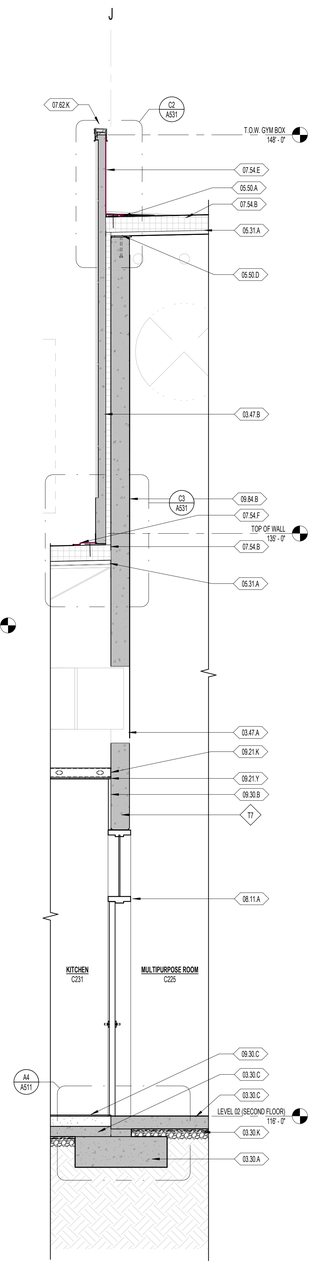
DATE	REVISION

WALL SECTIONS

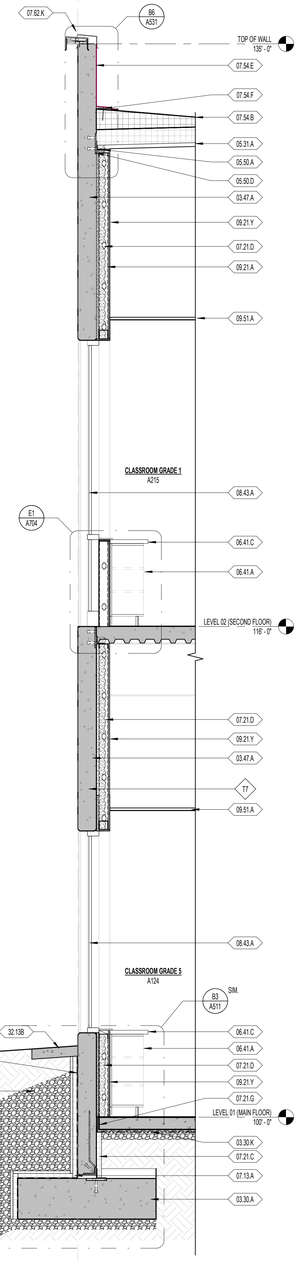
A312



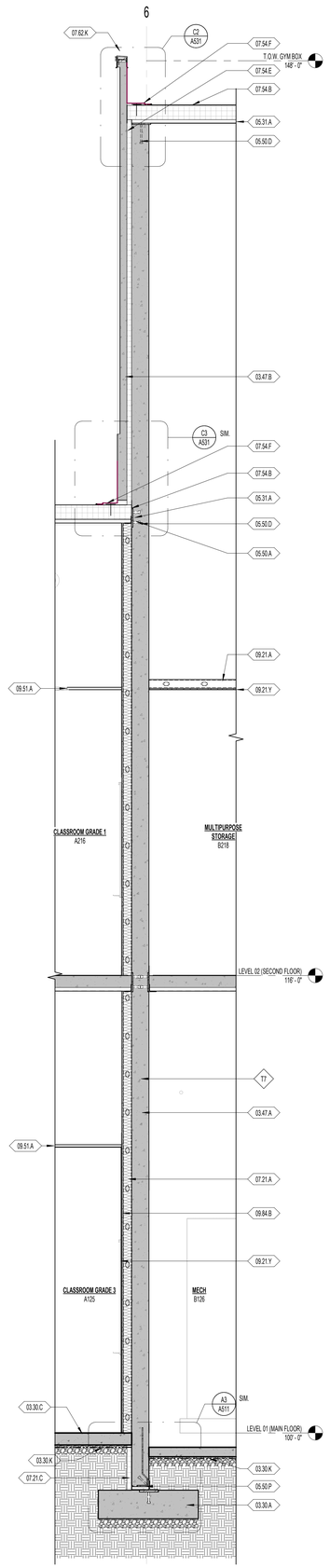
A1 A313 **WALL SECTION 17**
1/2" = 1'-0"



A2 A313 **WALL SECTION 18**
1/2" = 1'-0"



A3 A313 **WALL SECTION 19**
1/2" = 1'-0"



A4 A313 **WALL SECTION 20**
1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.AA	03 3000 - WATER STOP-SERRATED
03.30.B	03 3000 - REINFORCED CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.K	03 3000 - MEMBRANE VAPOR BARRIER
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47.B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL INTEGRALLY COLORED, REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
05.21.A	05 2100 - STEEL JOIST OR GIRDER, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.A	05 5000 - STEEL ANGLE, GALVANIZED & PAINTED, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS, REFER TO STRUCTURAL DRAWINGS
05.50.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION, REFER TO STRUCTURAL DRAWINGS
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS, REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.21.A	07 2100 - BATT INSULATION TO FILL STUD CAVITY
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.21.G	07 2100 - 1" RIGID INSULATION
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.E	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE FLASHING (WRAP OVER TOP AND SECURE)
07.54.F	07 5400 - HOT AIR WELDED
07.62.K	07 6200 - ANGLED PRE-FINISHED METAL COPING OVER ANCHORED WOOD NAILER ASSEMBLY
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.K	09 2116 - 4" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.30.C	09 3000 - FLOOR TILE OVER 4" THICKSET MORTAR, REFER TO FINISH FLOOR PLAN, FINISH SCHEDULE AND SLAB EDGE PLAN
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.84.B	09 8413 - FELT WALL PANEL, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
26.20	26 0000 - ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS
31.02.B	31 0200 - FINISH GRADE, REFER TO LANDSCAPE AND CIVIL DRAWINGS
31.05A	FREE-DRAINING UNDERSLAB AGGREGATE BASE COURSE, REFER TO CIVIL DRAWINGS
31.05B	FOUNDATION PERIMETER DRAINAGE WITH AGGREGATE BASE COURSE, REFER TO CIVIL DRAWINGS AND SPECS.
32.13B	32 1300 - 18" CONCRETE MOW CURB, REFER TO CIVIL PLANS

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a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

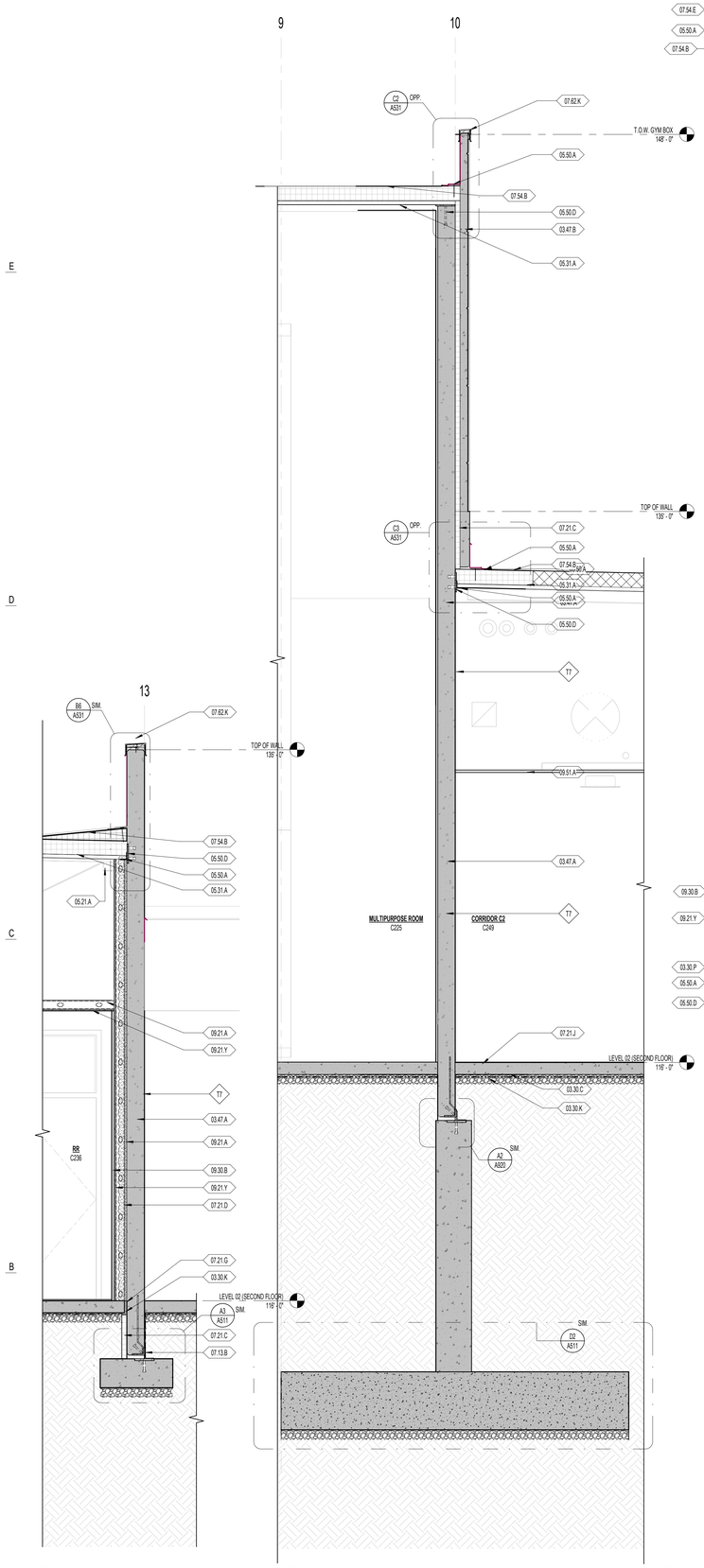
DRAWING ISSUE: BID SET
ISSUE DATE: 02/25/2025
NWL PROJECT: 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

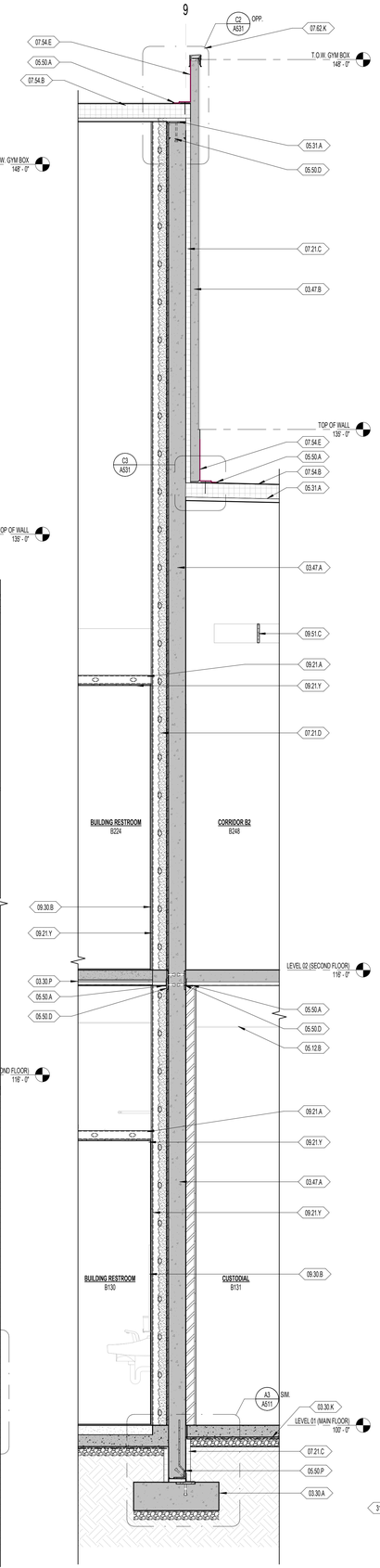
WALL SECTIONS

A313

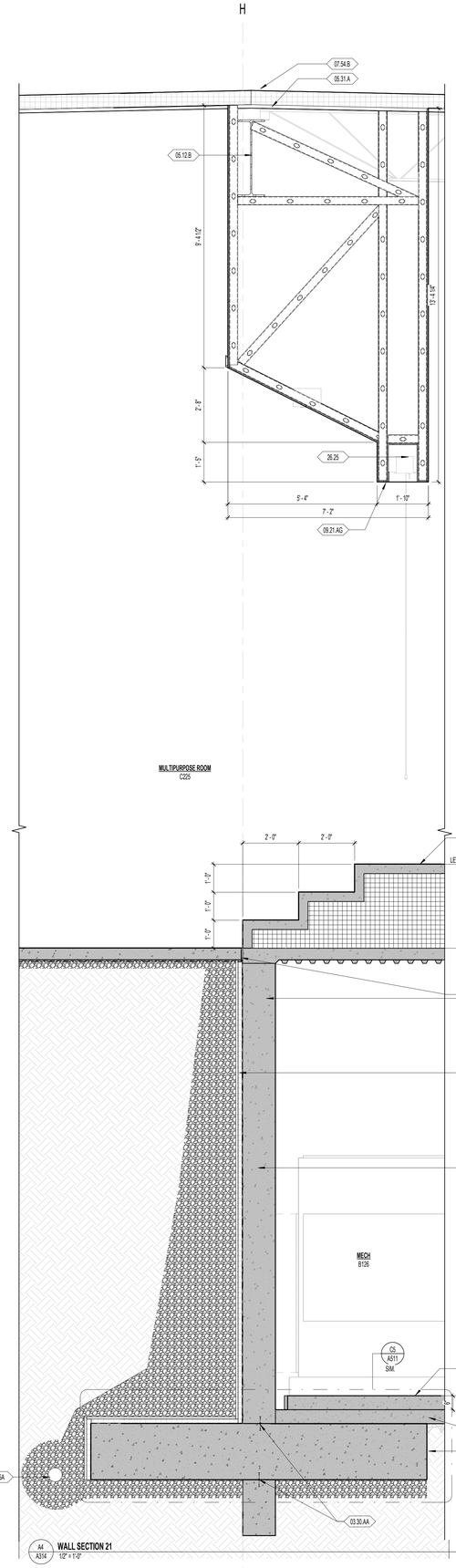


WALL SECTION 22
A1 / A314 — 1/2" = 1'-0"

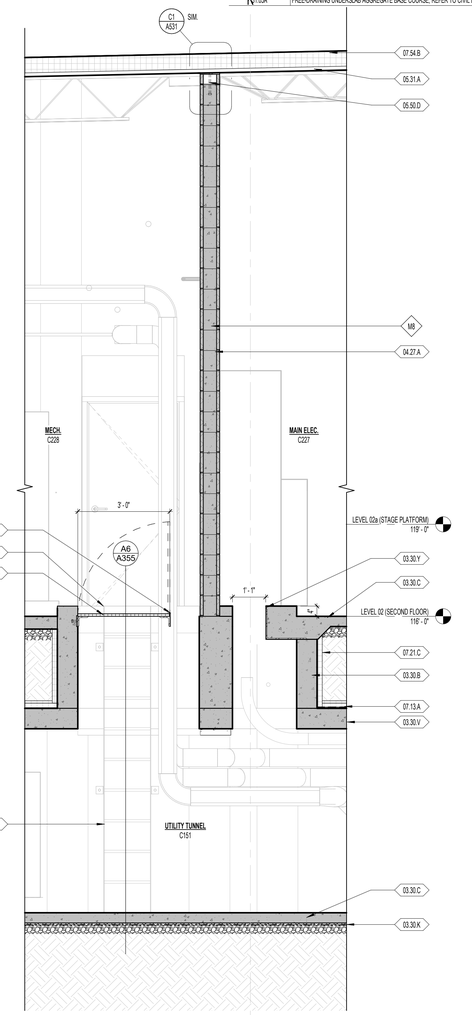
WALL SECTION 23
A2 / A314 — 1/2" = 1'-0"



WALL SECTION 24
A3 / A314 — 1/2" = 1'-0"



WALL SECTION 21
A4 / A314 — 1/2" = 1'-0"



WALL SECTION 25
A5 / A314 — 1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.AA	03 3000 - WATER STOP-SERRATED
03.30.B	03 3000 - REINFORCED CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.K	03 3000 - MEMBRANE VAPOR BARRIER
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS
03.30.Q	03 3000 - CONCRETE HOUSING PAD, REFER TO MECHANICAL OR ELECTRICAL FOR SIZE AND LOCATION
03.30.T	03 3000 - 4" CONCRETE SLAB FLOOR OVER GEOFOAM
03.30.V	03 3000 - REINFORCED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
03.30.Y	03 300 - CAST CONCRETE WITH OPEN FOR ELECTRICAL CONDUIT, REFER TO STRUCTURAL AND ELECATRICAL DRAW
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47.B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL, INTEGRALLY COLORED, REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
04.27.A	04 2731 - 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.12.B	05 1200 - STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
05.21.A	05 2100 - STEEL JOIST OR GIRDER, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.A	05 5000 - STEEL ANGLE, GALVANIZED & PAINTED, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS, REFER TO STRUCTURAL DRAWINGS
05.50.E	05 5000 - PAINTED STEEL ACCESS LADDER
05.50.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION, REFER TO STRUCTURAL DRAWINGS
05.50.Q	05 5000 - 180° STAINLESS STEEL INDUSTRIAL HINGE, 4 HINGES EQUALLY SPACED ACROSS WIDTH
05.50.R	05 5000 - PROVIDE A 3/4" X 2 3/4" OPENINGS TO ALLOW EXTENDED SIDE BAR TO PASS THROUGH, COORDINATE WITH ACCESS LADDER EXTENDED BAR AND PLACEMENT
05.50.S	05 5000 - EXTEND ONE SIDE BAR PAST STEEL GRATE. PROVIDE 1/2" DIA. HOLE FOR PAD LOCK
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.13.B	
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.21.G	07 2100 - 1" RIGID INSULATION
07.21.J	07 2100 - BATT INSULATION TO FILL CAVITY
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.E	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE FLASHING (WRAP OVER TOP AND SECURE)
07.62.K	07 6200 - ANGLED PRE-FINISHED METAL COPING OVER ANCHORED WOOD NAILER ASSEMBLY
09.21.A	09 2116 - 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.AG	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, IMPACT RESISTANT
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.51.C	09 5100 - ACOUSTICAL FELT CEILING BAFFLES, REFER TO REFLECTED CEILING PLAN AND SPECIFICATIONS.
26.25	26 0000 - PROJECTION SCREEN, RECESSED INTO POCKET
31.05A	FREE-DRAINING UNDERSLAB AGGREGATE BASE COURSE, REFER TO CIVIL DRAWINGS

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architects

CACHE COUNTY
SCHOOL DISTRICT

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STATE OF UTAH
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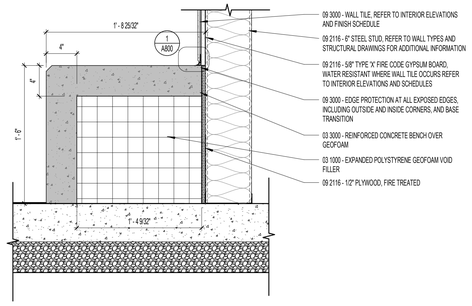
#319164
#183992
#7247356
LICENSED ARCHITECT

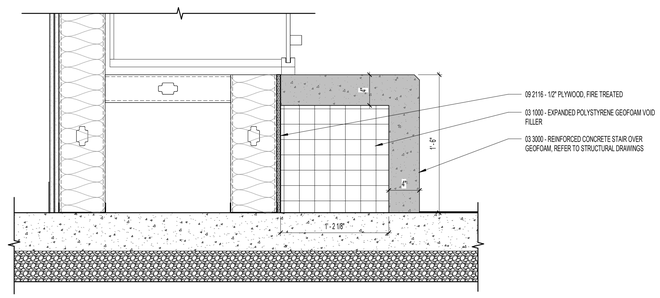
DATE	REVISION

WALL SECTIONS

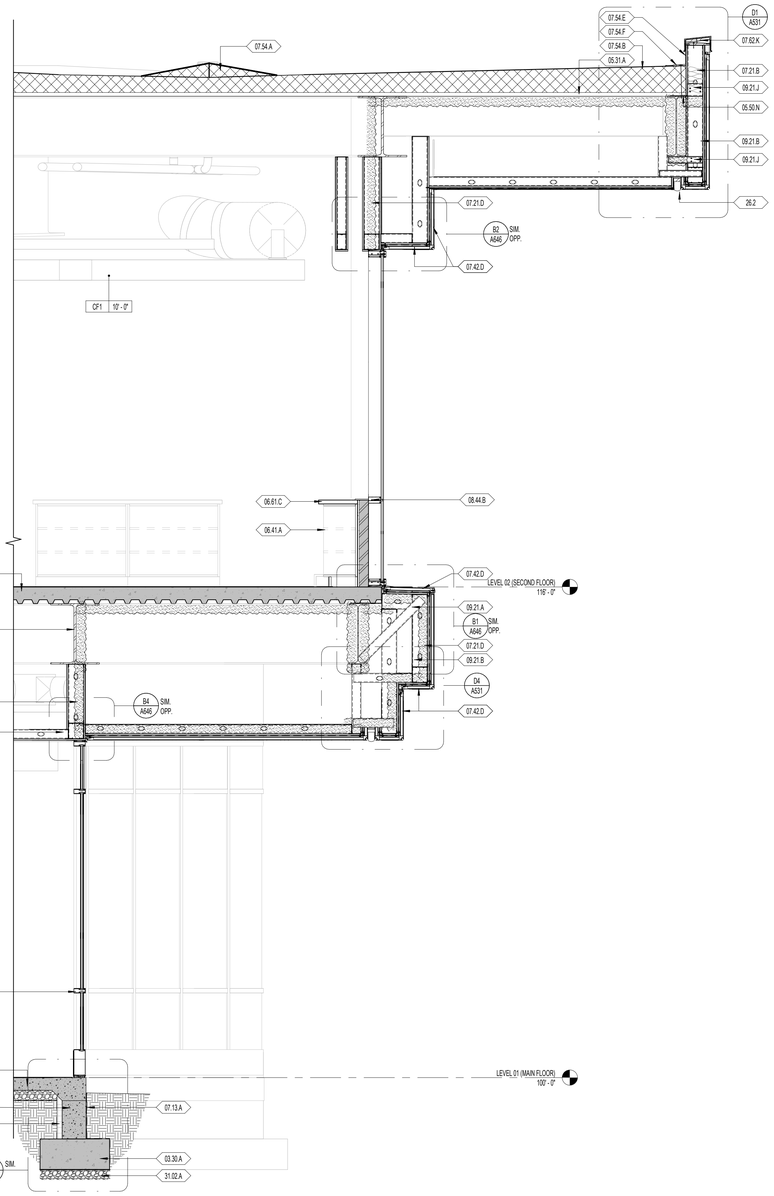
A314



E E1 A315 **CONCRETE BENCH**
1 1/2" = 1'-0"



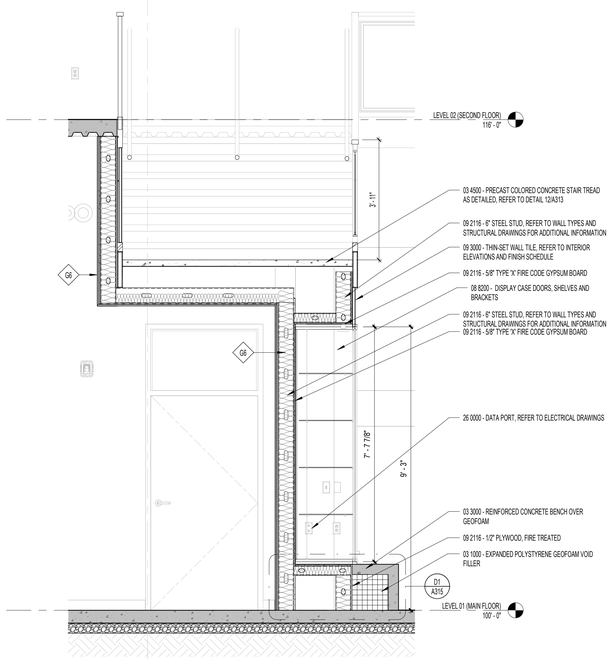
D D1 A315 **CONCRETE BENCH AT DISPLAY CASE**
1 1/2" = 1'-0"



G

C

B



C1 A315 **Section 11 - Callout 1**
1/2" = 1'-0"

A5 A315 **WALL SECTION 26**
1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.10.A	03 1000 - EXPANDED POLYSTYRENE GEOFOAM VOID FILLER
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.B	03 3000 - REINFORCED CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS, REFER TO STRUCTURAL DRAWINGS
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS
03.30.R	03 3000 - REINFORCED CONCRETE STAIR OVER GEOFOAM, REFER TO STRUCTURAL DRAWINGS
03.30.S	03 3000 - REINFORCED CONCRETE BENCH OVER GEOFOAM
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
05.12.B	05 1200 - STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
05.31.A	05 3100 - STEEL DECK, REFER TO STRUCTURAL DRAWINGS
05.50.N	05 5000 - STEEL ANGLE, REFER TO STRUCTURAL DRAWINGS
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.61.C	06 6116 - SOLID SURFACE COUNTERTOP, NO BACKSPLASH
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.21.B	07 2100 - SEMI-RIGID PRE-FORMED MINERAL WOOL INSULATION
07.21.C	07 2100 - 2" RIGID INSULATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
07.42.D	07 4264 - PRE-FINISHED METAL COMPOSITE SOFFIT AND OR WALL PANEL
07.54.A	07 5400 - TAPERED RIGID FOAM BOARD AT ROOF CRICKETS
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC
07.54.E	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE FLASHING (WRAP OVER TOP AND SECURE)
07.54.F	07 5400 - HOT AIR WELDED
07.62.K	07 6200 - ANGLED PRE-FINISHED METAL COPING OVER ANCHORED WOOD NAILER ASSEMBLY
08 8200.A	08 8200 - DISPLAY CASE DOORS, SHELVES AND BRACKETS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
08.44.B	08 4413 - ALUMINUM FRAMED CURTAIN WALL SYSTEM, REFER TO OPENING ELEVATIONS AND DETAILS
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.AH	09 2116 - 1/2" PLYWOOD, FIRE TREATED
09.21.B	09 2116 - 6" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.21.J	09 2116 - STIFF CLIP, REFER TO STRUCTURAL DETAILS
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.30.F	09 3000 - WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.30.G	09 3000 - EDGE PROTECTION AT ALL EXPOSED EDGES, INCLUDING OUTSIDE AND INSIDE CORNERS, AND BASE TRANSITION
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
31.02.A	31 0200 - ENGINEERED FILL, REFER TO CIVIL DRAWINGS AND GEOTECHNICAL REPORT

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NAYLOR WENTWORTH LUND, ARCHITECTS
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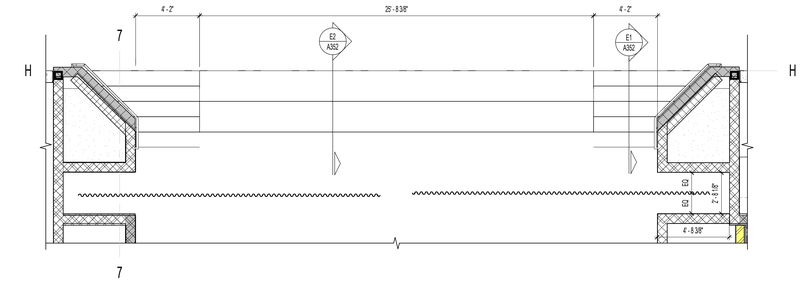
LICENSED ARCHITECT

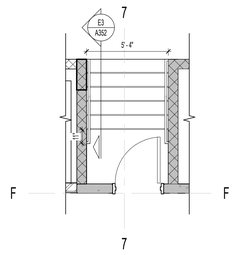
△ DATE REVISION

WALL SECTIONS

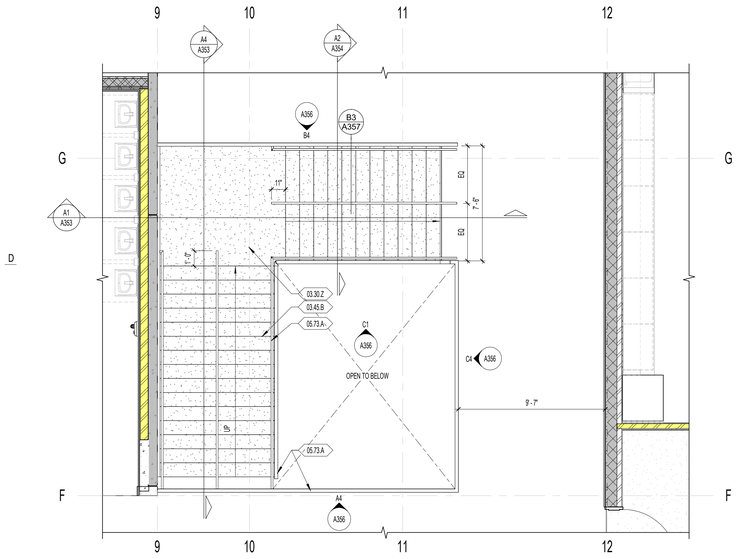
A315



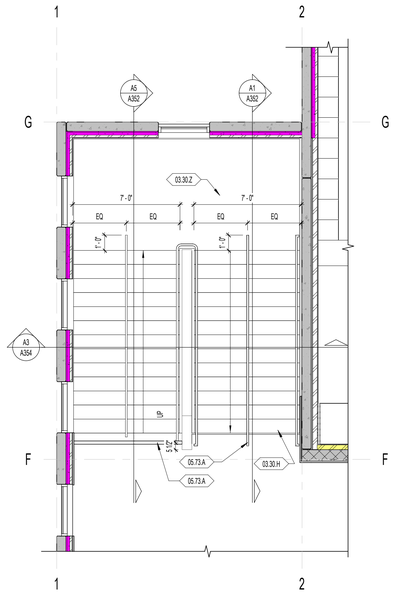
E1 / A351 **FRONT OF STAGE ENLARGED PLAN**
1/4" = 1'-0"



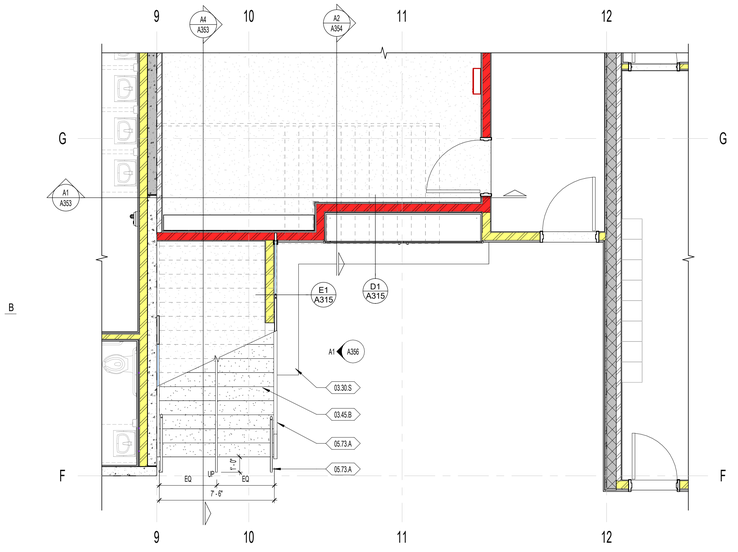
E3 / A351 **REAR STAGE ENLARGED PLAN**
1/4" = 1'-0"



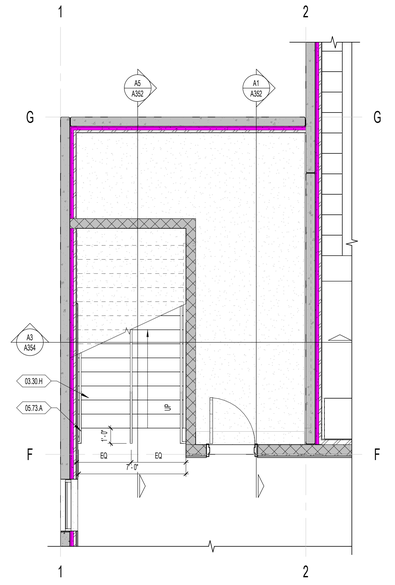
C1 / A351 **MAIN STAIR B2 ENLARGED PLAN**
1/4" = 1'-0"



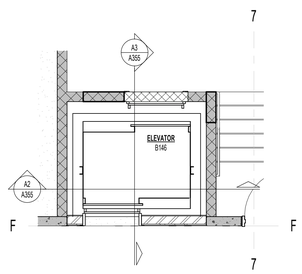
C3 / A351 **STAIR A2 ENLARGED PLAN**
1/4" = 1'-0"



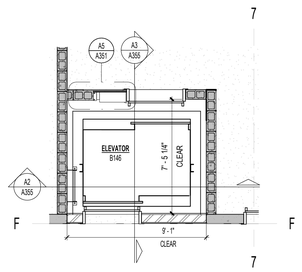
A1 / A351 **MAIN STAIR B1 ENLARGED PLAN**
1/4" = 1'-0"



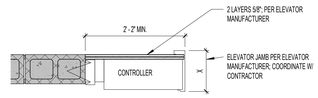
A3 / A351 **STAIR A1 ENLARGED PLAN**
1/4" = 1'-0"



B4 / A351 **ELEVATOR ENLARGED PLAN LEVEL 02**
1/4" = 1'-0"



A4 / A351 **ELEVATOR ENLARGED PLAN**
1/4" = 1'-0"



A5 / A351 **ELEVATOR CONTROL PANEL DETAIL**
3/4" = 1'-0"

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.H	03 3000 - REINFORCED CONCRETE STAIRS, ARCHITECTURAL FINISH, REFER TO STRUCTURAL DRAWINGS
03.30.S	03 3000 - REINFORCED CONCRETE BENCH OVER GEOFOAM
03.30.Z	03 3000 - CAST IN PLACE CONCRETE LANDING
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION

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NWL PROJECT: 0119.002

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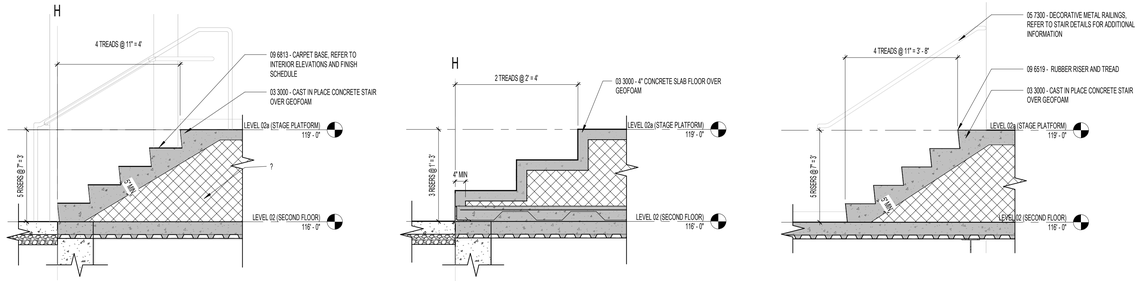
ENLARGED VERTICAL CIRCULATION FLOOR PLANS

A351



E1 / A352 **STAGE FRONT STAIRS SECTION**
1/2" = 1'-0"

E2 / A352 **STAGE MIDDLE STEPS SECTION**
1/2" = 1'-0"

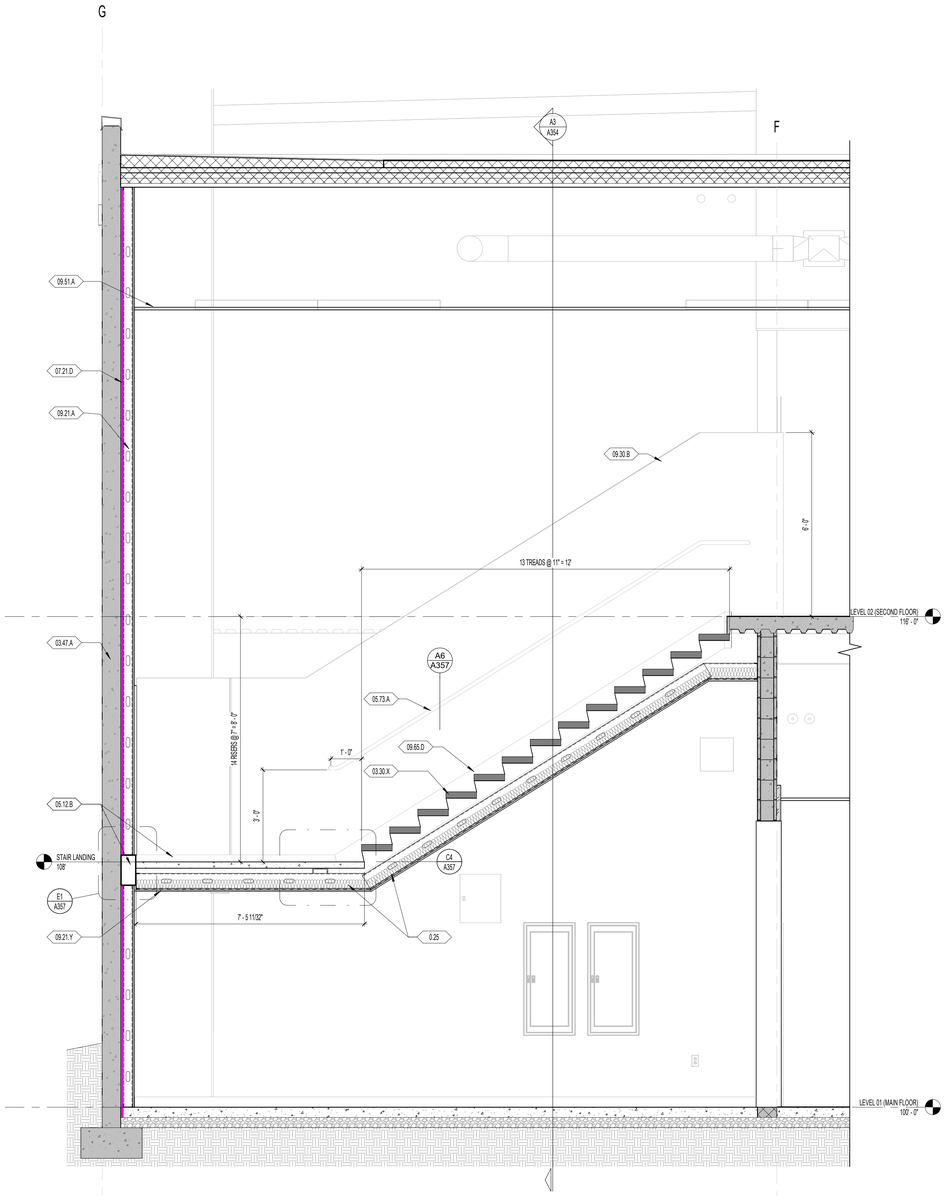
E3 / A352 **STAGE REAR STAIRS SECTION**
1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

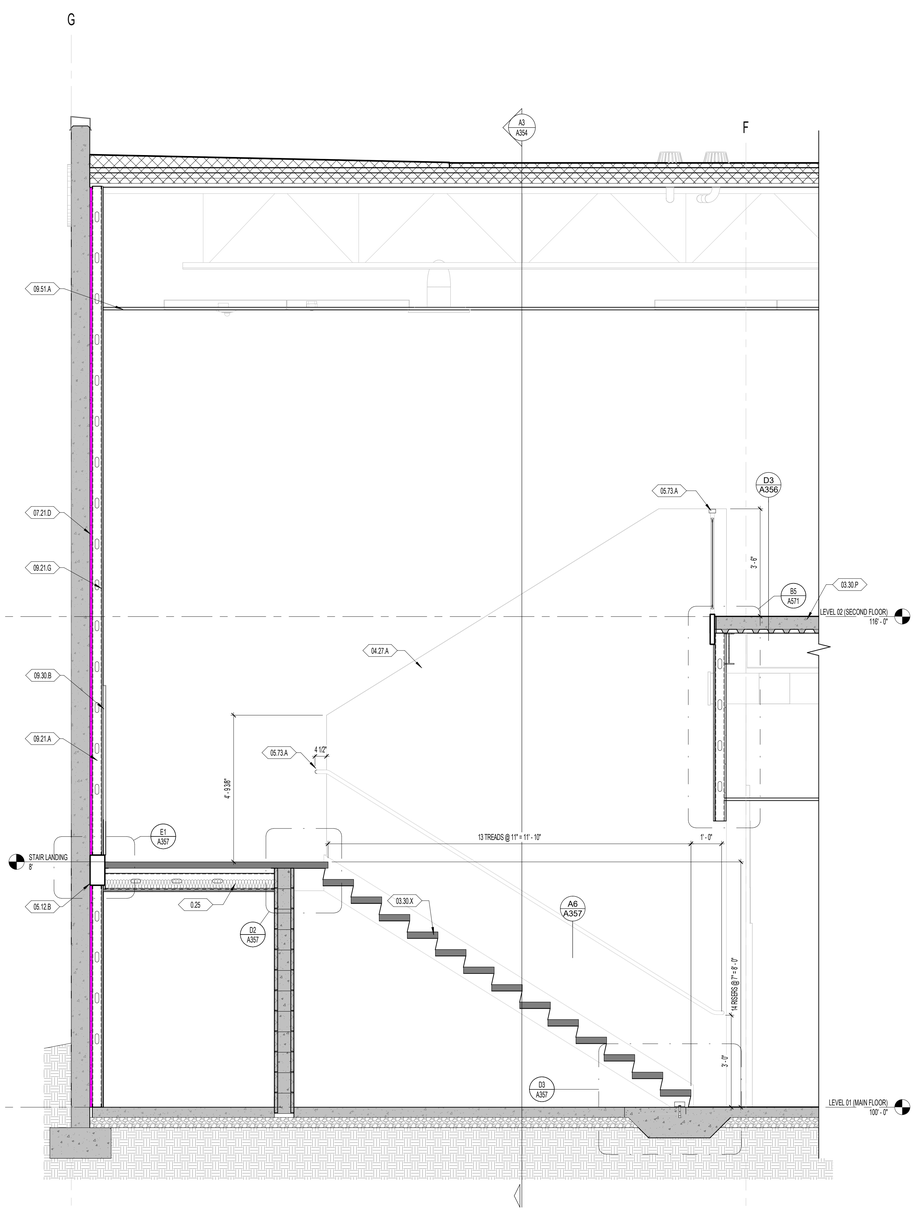
1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
0.25	FOR FIRE RATED CEILINGS, MAINTAIN AT LEAST 4" OF AIR SPACE BETWEEN THE 3.5" OF INSULATION AND FLOOR ELEMENT ABOVE TO MAINTAIN FIRE RATING
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS
03.30.T	03 3000 - 4" CONCRETE SLAB FLOOR OVER GEOFOAM
03.30.W	03 3000 - CAST IN PLACE CONCRETE STAIR OVER GEOFOAM
03.30.X	03 300 - CAST IN PLACE CONCRETE STAIR
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
04.27.A	04 2720 1 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.12.B	05 1200 - STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
05.52.A	
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.65.D	09 6519 - RUBBER RISER AND TREAD
09.68.B	09 6813 - CARPET BASE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE



A1 / A352 **STAIR A2 SECTION**
1/2" = 1'-0"



A5 / A352 **STAIR A1 SECTION AT TOP OF WALL**
1/2" = 1'-0"

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VERTICAL CIRCULATION SECTIONS

A352

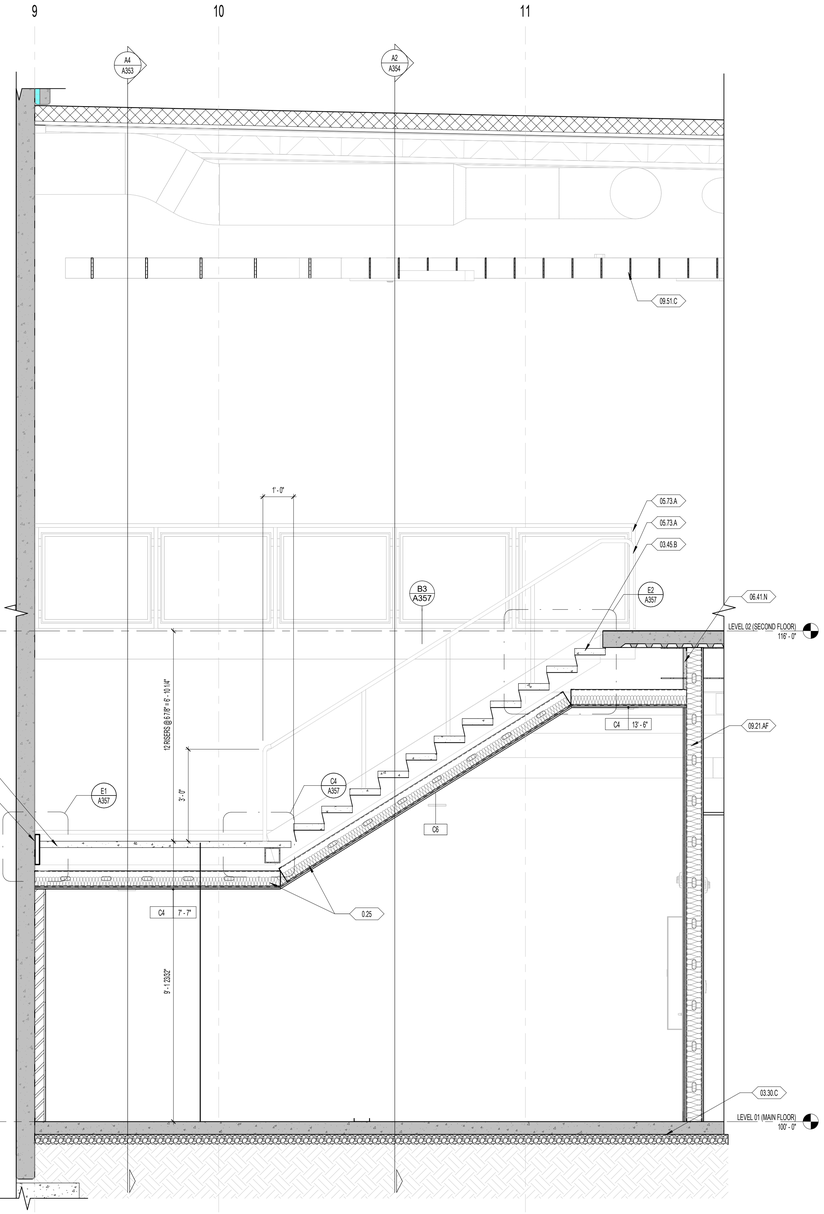
A | 1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - WALL SECTIONS

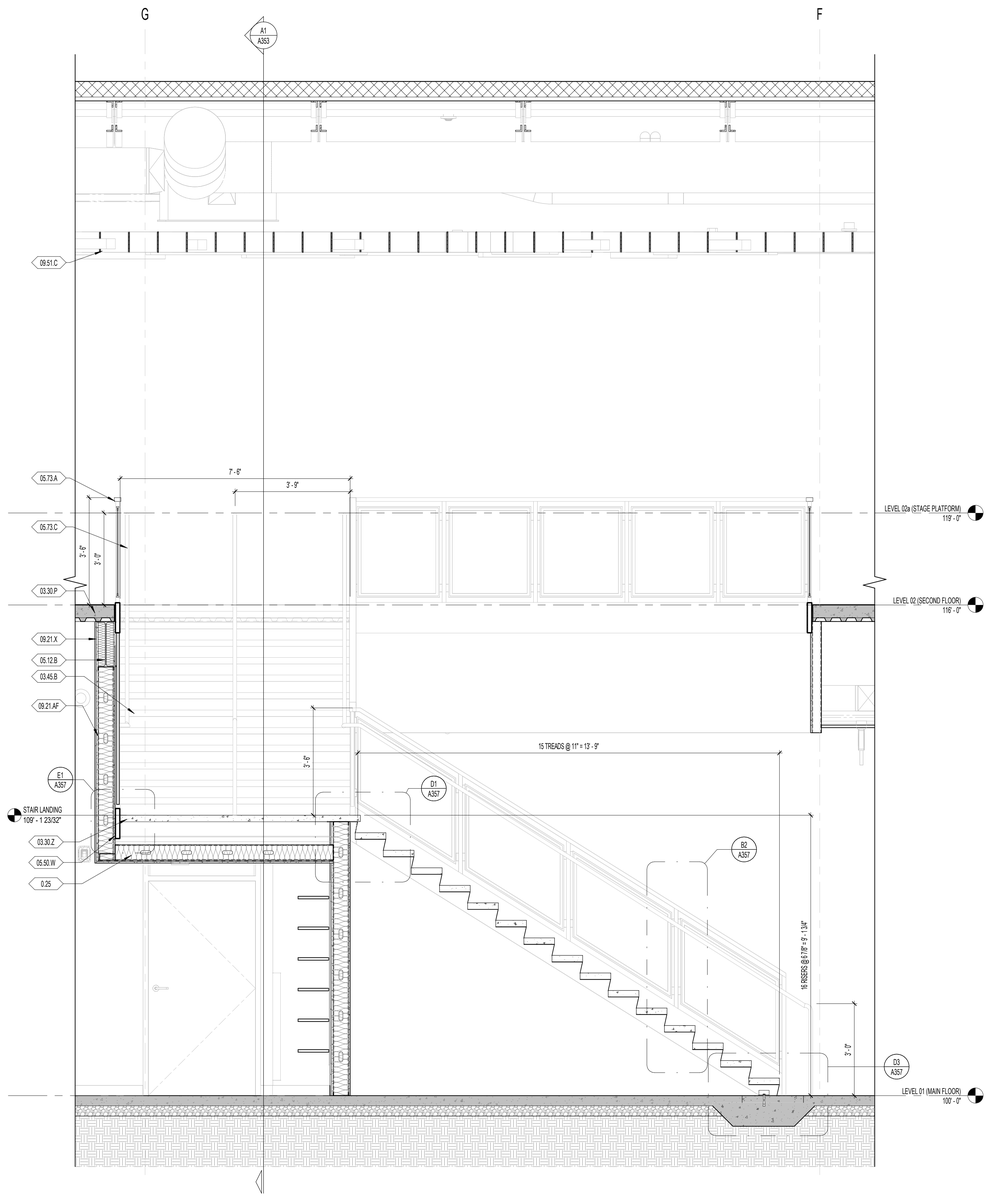
1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
0.25	FOR FIRE RATED CEILINGS, MAINTAIN AT LEAST 4" OF AIR SPACE BETWEEN THE 3.5" OF INSULATION AND FLOOR ELEMENT ABOVE TO MAINTAIN FIRE RATING
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS. REFER TO STRUCTURAL DRAWINGS
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS
03.30.Z	03 3000 - CAST IN PLACE CONCRETE LANDING
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
03.45.C	03 4500 - PRECAST COLORED CONCRETE LANDING
05.12.B	05 1200 - STEEL BEAM. REFER TO STRUCTURAL DRAWINGS
05.50.W	05 5000 - STEEL TUBE. REFER TO STRUCTURAL DRAWINGS
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
05.73.C	05 7300 - 1 1/2" ROUND STEEL PIPE GUARD RAILING, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
06.41.N	06 4100 - CASEWORK FILLER
09.21.AF	09 2116 - 6" STUD, REFER TO STRUCTURAL
09.21.X	09 2116 - 5/8" GLASS-MAT BOARD
09.51.C	09 5100 - ACOUSTICAL FELT CEILING BAFFLES, REFER TO REFLECTED CEILING PLAN AND SPECIFICATIONS.



A1 A353 **STAIR B2 SECTION**
1/2" = 1'-0"



A4 A353 **STAIR B1 SECTION**
1/2" = 1'-0"

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VERTICAL CIRCULATION SECTIONS

A353

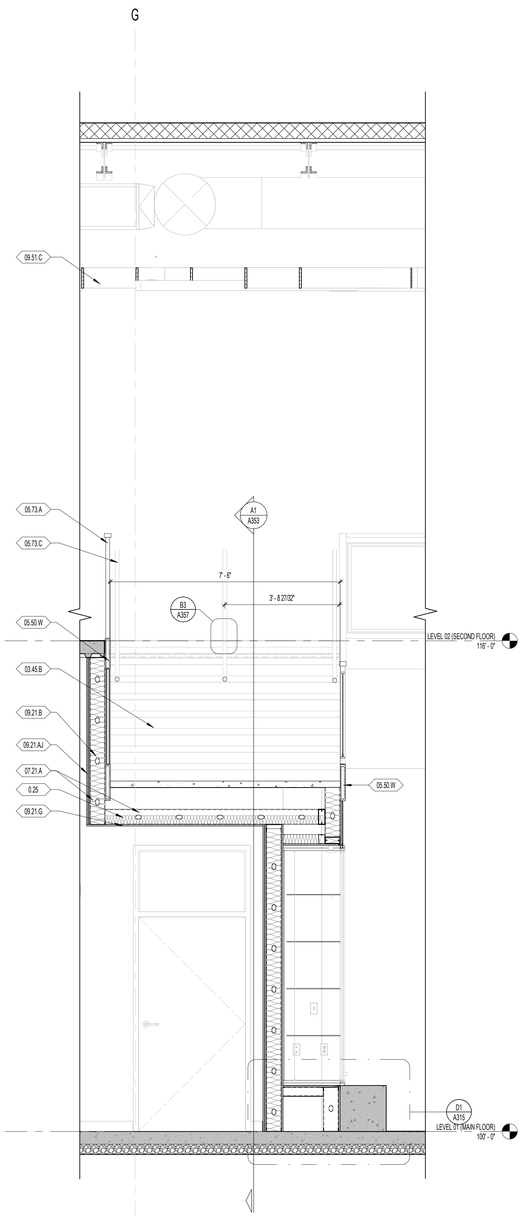
A | 1 | 2 | 3 | 4 | 5 | 6
B
C
D
E

GENERAL NOTES - WALL SECTIONS

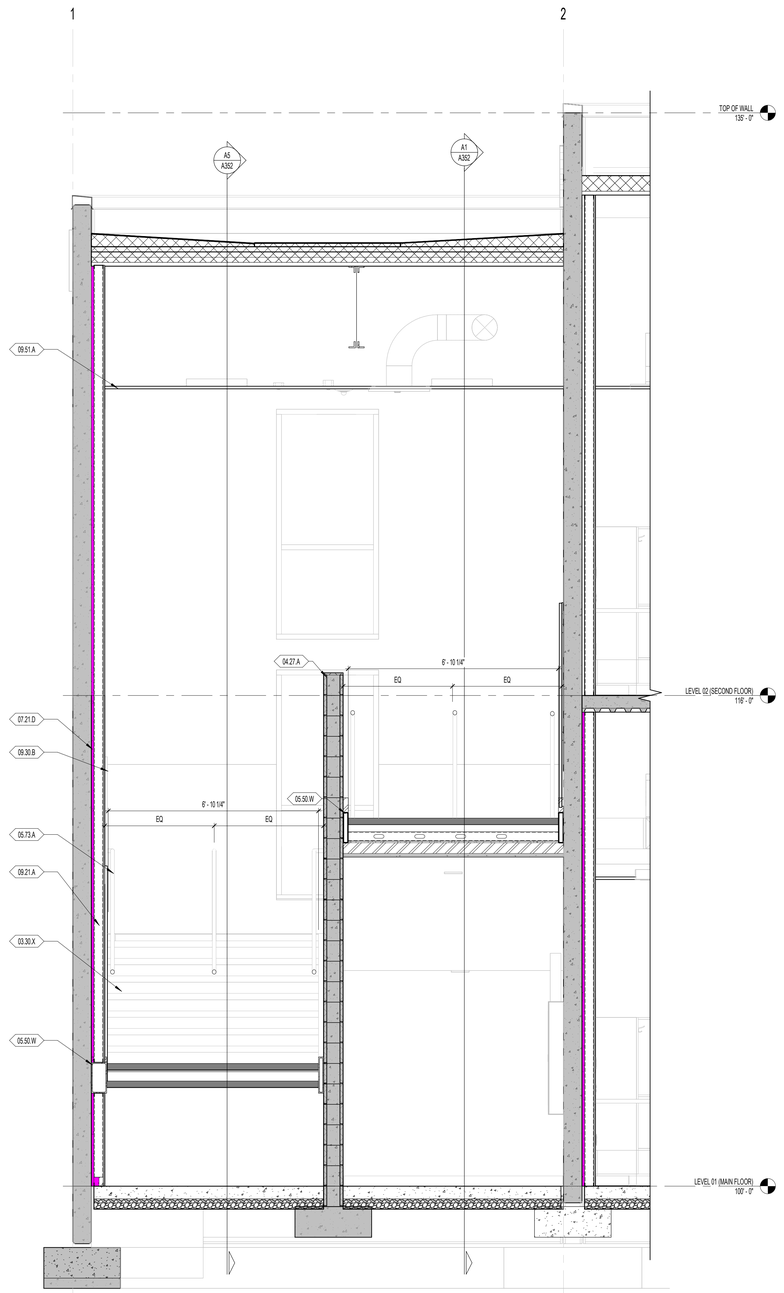
1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
0.25	FOR FIRE RATED CEILINGS, MAINTAIN AT LEAST 4" OF AIR SPACE BETWEEN THE 3.5" OF INSULATION AND FLOOR ELEMENT ABOVE TO MAINTAIN FIRE RATING
03.30.X	03 300 - CAST IN PLACE CONCRETE STAIR
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
04.27.A	04 2731 - 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.50.W	05 5000 - STEEL TUBE, REFER TO STRUCTURAL DRAWINGS
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
05.73.C	05 7300 - 1 1/2" ROUND STEEL PIPE GUARD-RAILING, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
07.21.A	07 2100 - BATT INSULATION TO FILL STUD CAVITY
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
09.21.A	09 2116 - 3-5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.AJ	09 2116 - 2 LAYERS OF 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD.
09.21.B	09 2116 - 6" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.30.B	09 3000 - THIN-SET WALL TILE, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
09.51.A	09 5100 - ACOUSTICAL PANEL CEILING, REFER TO REFLECTED CEILING PLAN AND SPECIFICATION
09.51.C	09 5100 - ACOUSTICAL FELT CEILING BAFFLES, REFER TO REFLECTED CEILING PLAN AND SPECIFICATIONS.



A2 / A354 STAIR B2 SECTION AT DISPLAY CASE
1/2" = 1'-0"



A3 / A354 STAIR A SECTION
1/2" = 1'-0"

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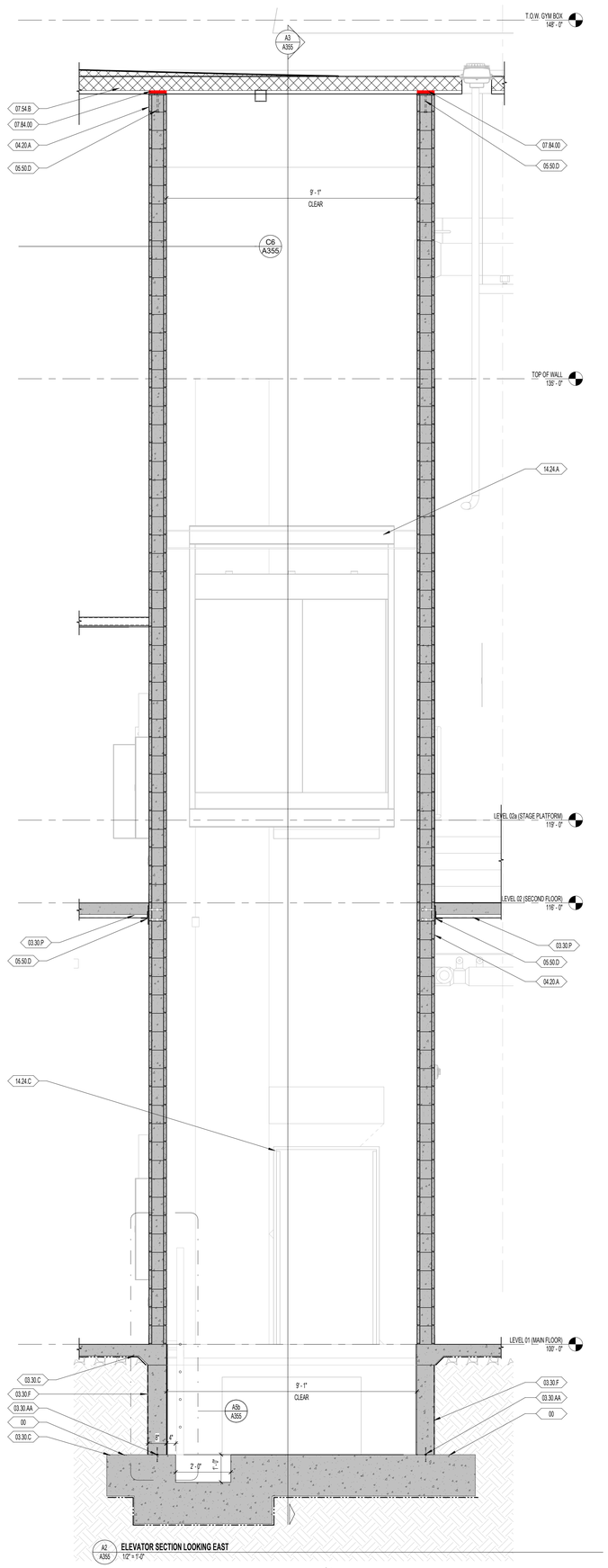
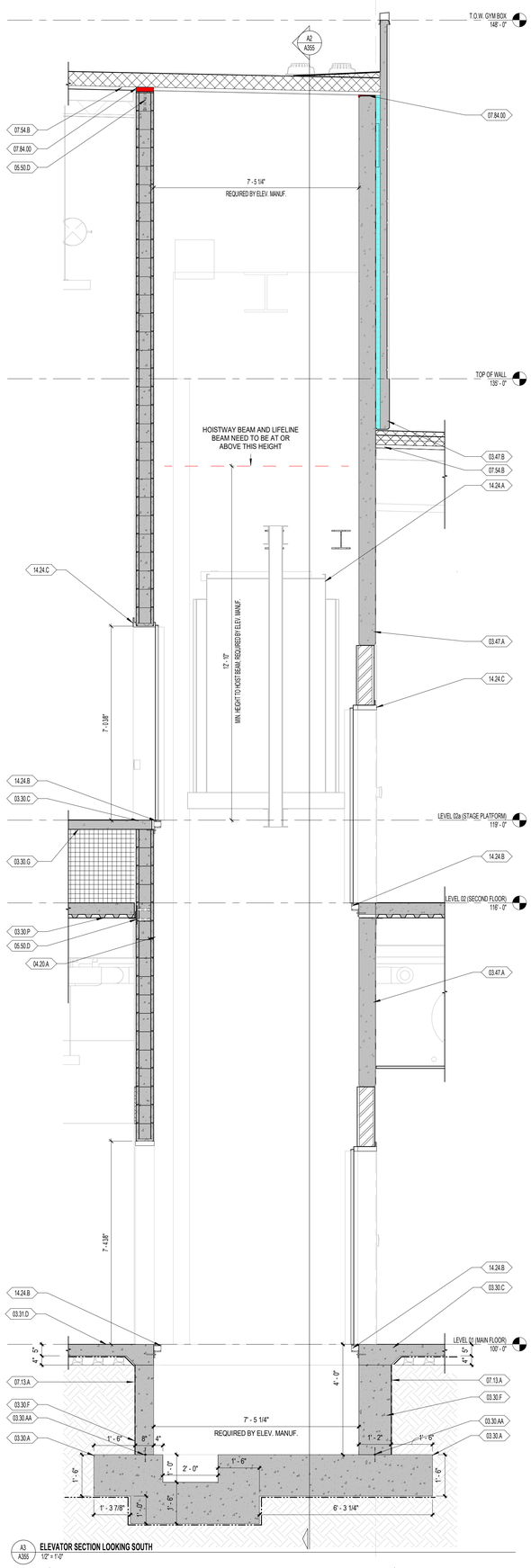
VERTICAL CIRCULATION SECTIONS

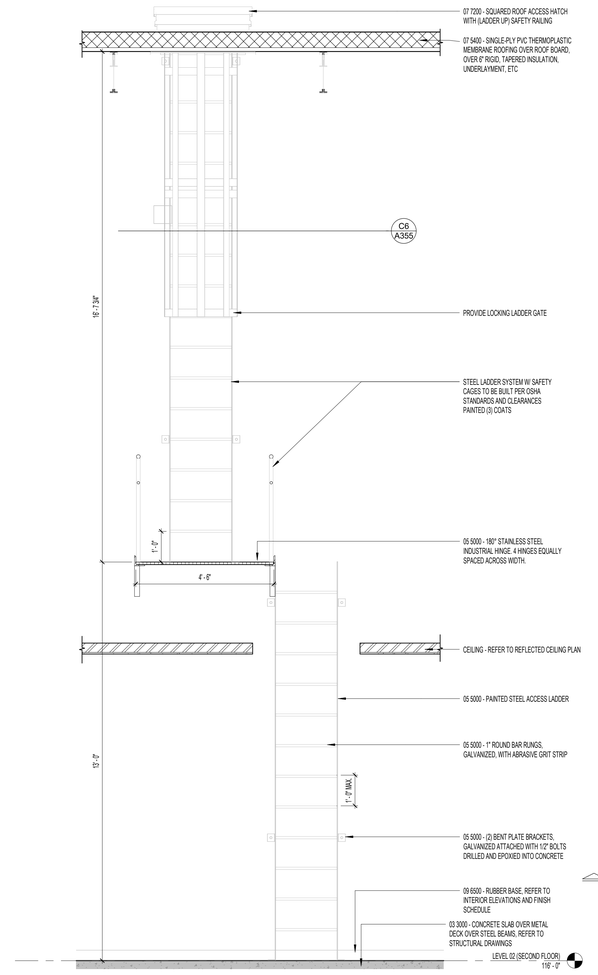
A354



A2 A355 **ELEVATOR SECTION LOOKING EAST**
1/2" = 1'-0"



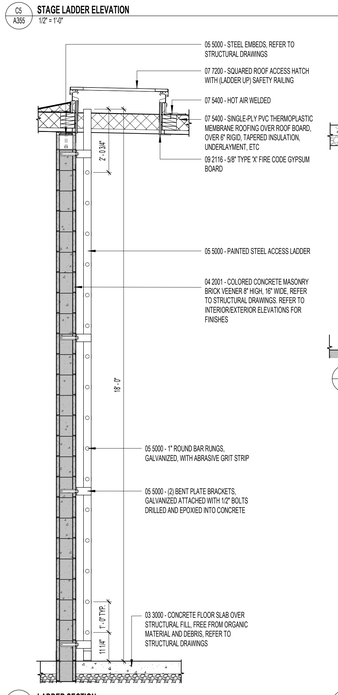
A3 A355 **ELEVATOR SECTION LOOKING SOUTH**
1/2" = 1'-0"



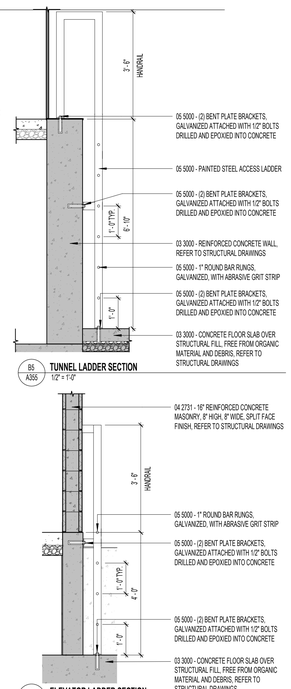
C5 A355 **STAGE LADDER ELEVATION**
1/2" = 1'-0"



C5 A355 **STAGE LADDER LANDING PLAN**
1/2" = 1'-0"

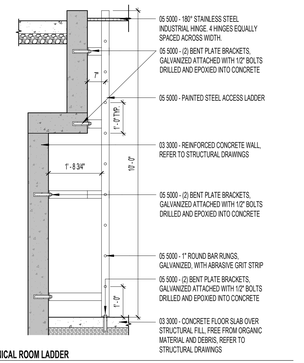


A5a A355 **LADDER SECTION**
1/2" = 1'-0"



B5 A355 **TUNNEL LADDER SECTION**
1/2" = 1'-0"

A5b A355 **ELEVATOR LADDER SECTION**
1/2" = 1'-0"



A6 A355 **MECHANICAL ROOM LADDER**
1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
00	DIVISION 00 - NOTES
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS. REFER TO STRUCTURAL DRAWINGS
03.30.AA	03 3000 - WATER STOP-SERRATED
03.30.B	03 3000 - REINFORCED CONCRETE WALL. REFER TO STRUCTURAL DRAWINGS
03.30.C	03 3000 - CONCRETE FLOOR SLAB OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS. REFER TO STRUCTURAL DRAWINGS
03.30.F	03 3000 - REINFORCED CONCRETE FOUNDATION WALL. REFER TO STRUCTURAL DRAWINGS
03.30.G	03 3000 - REINFORCED CONCRETE SLAB OVER GEOFOAM OVER CONCRETE SLAB ON GRADE OR METAL DECKING. REFER TO STRUCTURAL DRAWINGS
03.30.P	03 3000 - CONCRETE SLAB OVER METAL DECK OVER STEEL BEAMS. REFER TO STRUCTURAL DRAWINGS
03.31.D	
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47.B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL INTEGRALLY COLORED. REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
04.20.A	04 2001 - COLORED CONCRETE MASONRY BRICK VEENER 8" HIGH, 16" WIDE. REFER TO STRUCTURAL DRAWINGS. REFER TO INTERIOR/EXTERIOR ELEVATIONS FOR FINISHES
04.27.A	04 2731 - 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.50.D	05 5000 - STEEL EMBEDS. REFER TO STRUCTURAL DRAWINGS
05.50.E	05 5000 - PAINTED STEEL ACCESS LADDER
05.50.G	05 5000 - 1" ROUND BAR RUNGS, GALVANIZED, WITH ABRASIVE GRIT STRIP
05.50.I	05 5000 - (2) BENT PLATE BRACKETS, GALVANIZED ATTACHED WITH 1/2" BOLTS DRILLED AND EPOXIED INTO CONCRETE
05.50.Q	05 5000 - 180° STAINLESS STEEL INDUSTRIAL HINGE. 4 HINGES EQUALLY SPACED ACROSS WIDTH.
05.50.U	05 5000 - 1-1/2" DIA. STEEL GUARDRAIL EACH SIDE PAINTED (3) COATS
05.51.F	
05.51.G	
07.13.A	07 1300 - MODIFIED BITUMINOUS SHEET MEMBRANE ON FACE OF CONCRETE WITH DRAINAGE PANEL AND PROTECTION BOARD.
07.54.B	07 5400 - SINGLE-PLY PVC THERMOPLASTIC MEMBRANE ROOFING OVER ROOF BOARD, OVER 6" RIGID, TAPERED INSULATION, UNDERLAYMENT, ETC.
07.54.F	07 5400 - HOT AIR WELDED
07.72.A	07 7200 - SQUARED ROOF ACCESS HATCH WITH (LADDER UP) SAFETY RAILING
07.84.00	FIRE STOPPING
09.21.Y	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD
09.65.A	09 6500 - RUBBER BASE. REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE
14.24.A	14 2400 - HYDRAULIC ELEVATOR. REFER TO SPECIFICATIONS
14.24.B	14 2400 - HYDRAULIC ELEVATOR SILL. PROVIDED BY ELEVATOR MANUFACTURER
14.24.C	14 2400 - ELEVATOR DOOR FRAME. PROVIDED BY ELEVATOR MANUFACTURER

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VERTICAL CIRCULATION SECTIONS

A355

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
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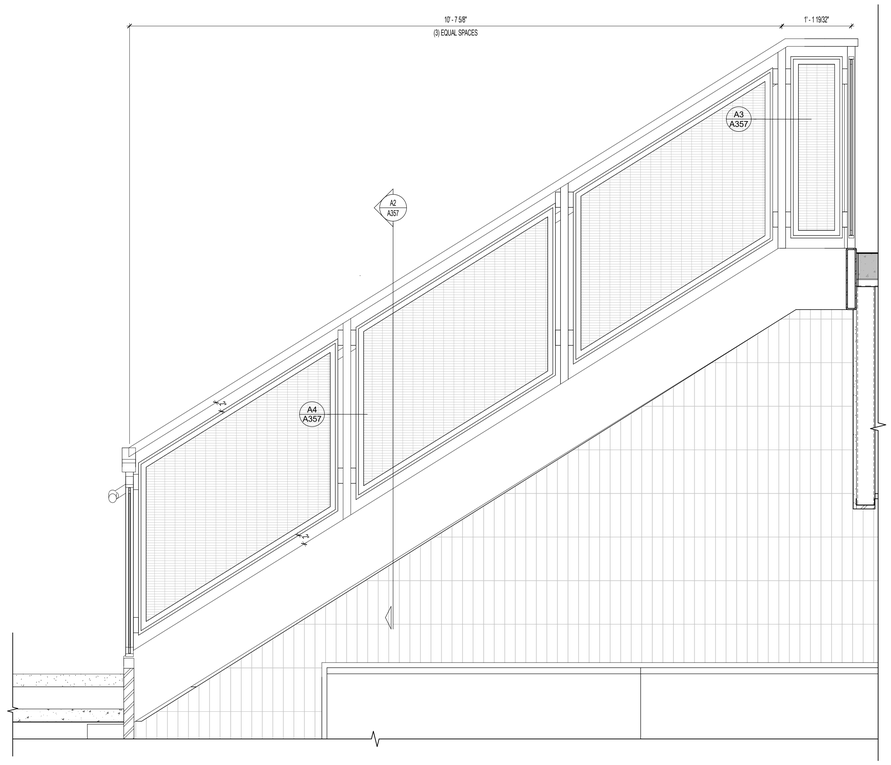
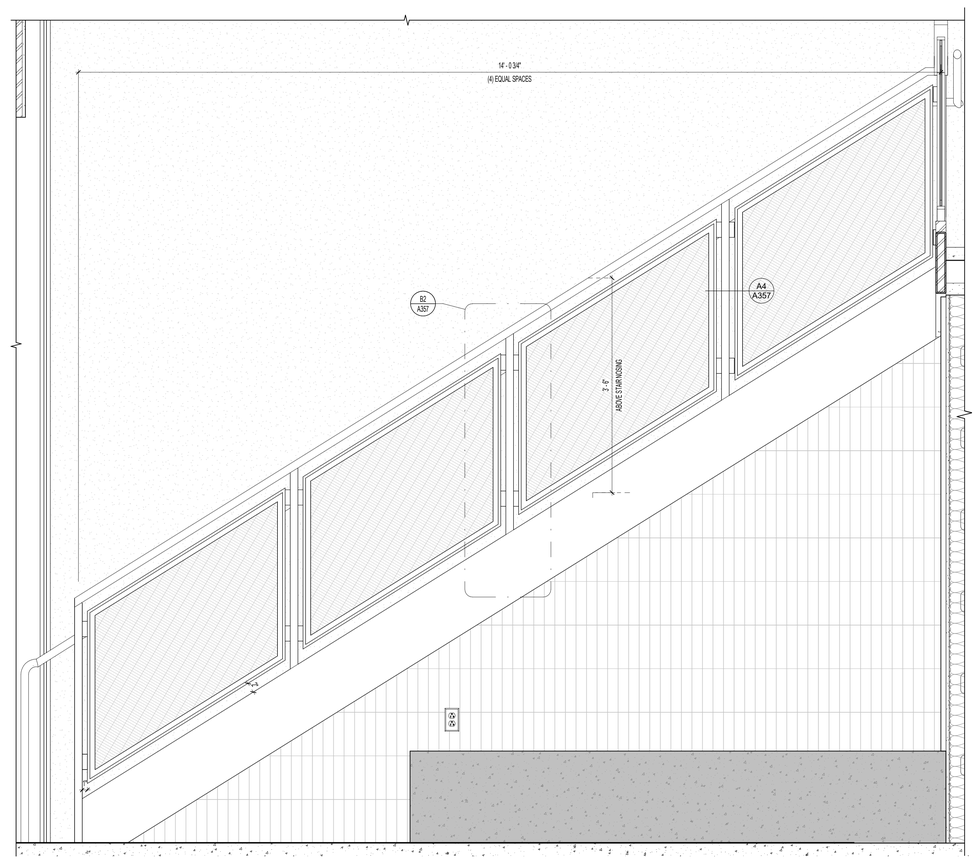
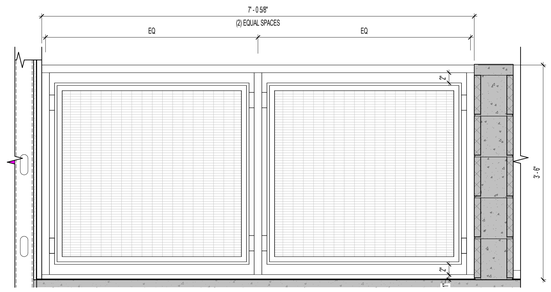
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.



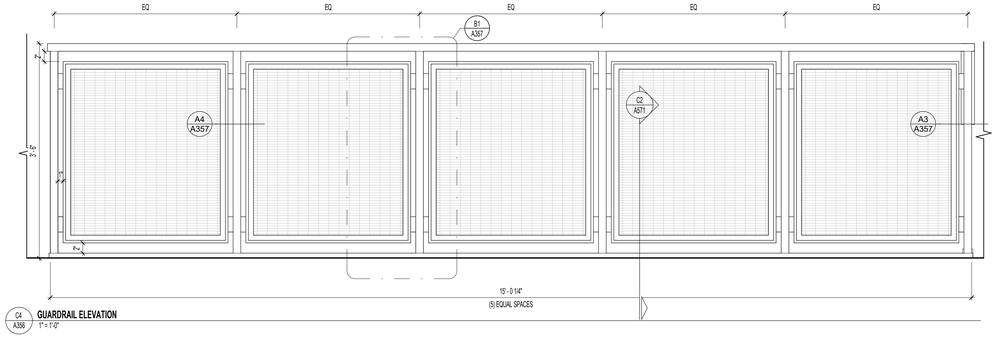
C1 A356 **GUARDRAIL ELEVATION 5**
1" = 1'-0"



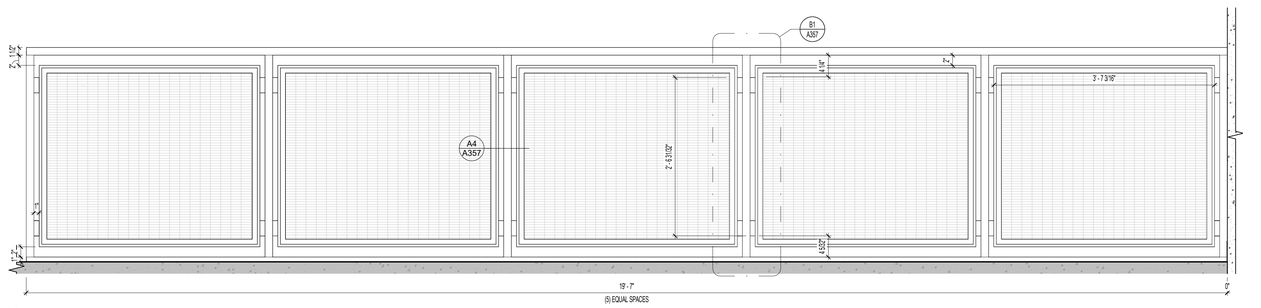
A1 A356 **GUARDRAIL ELEVATION 4**
1" = 1'-0"



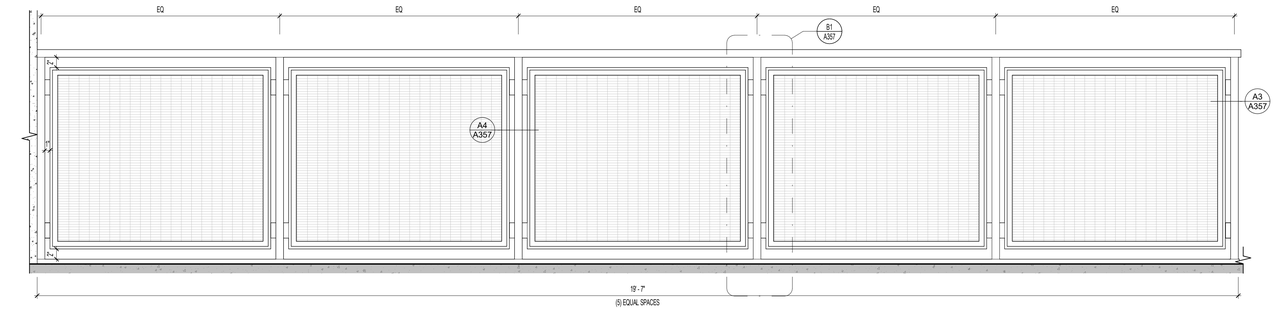
D3 A356 **GUARDRAIL ELEVATION 6**
1" = 1'-0"



C4 A356 **GUARDRAIL ELEVATION**
1" = 1'-0"



B4 A356 **GUARDRAIL ELEVATION 3**
1" = 1'-0"



A4 A356 **GUARDRAIL ELEVATION 2**
1" = 1'-0"

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

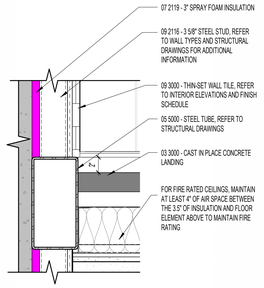
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

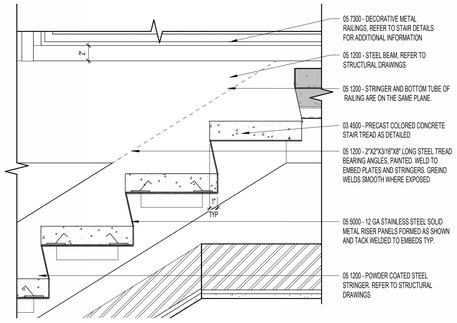
△ DATE REVISION

VERTICAL CIRCULATION RAILING ELEVATIONS

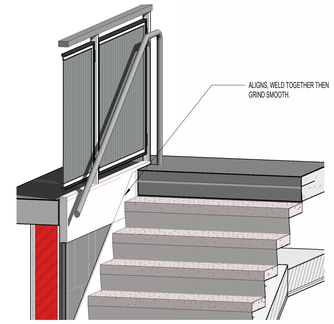
A356



E1 / A357 **LANDING DETAIL**
1 1/2" = 1'-0"

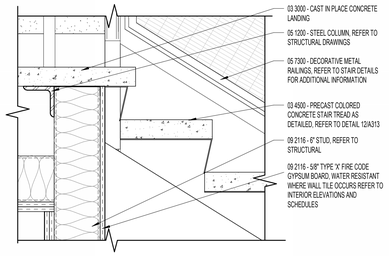


E2 / A357 **STAIR DETAIL**
1 1/2" = 1'-0"

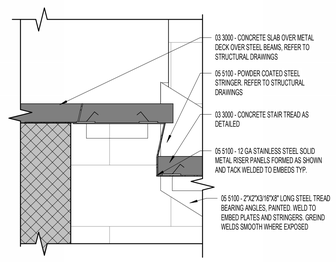


E4 / A357 **3D STRINGER TO RAILING**

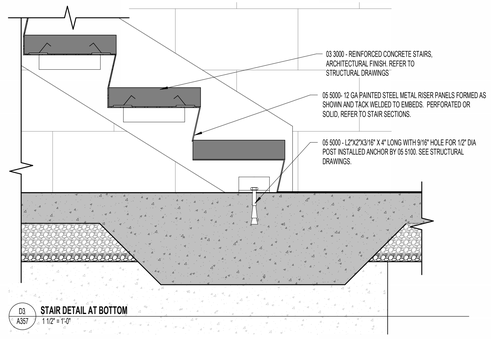
D



D1 / A357 **STAIR DETAIL AT TOP OF FRAMED WALL**
1 1/2" = 1'-0"

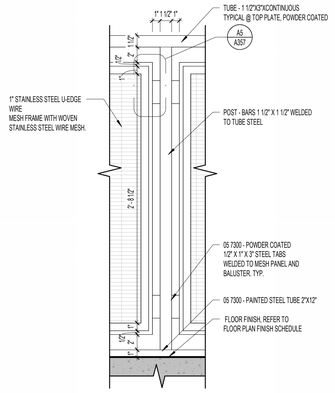


D2 / A357 **STAIR DETAIL AT TOP OF WALL**
1 1/2" = 1'-0"

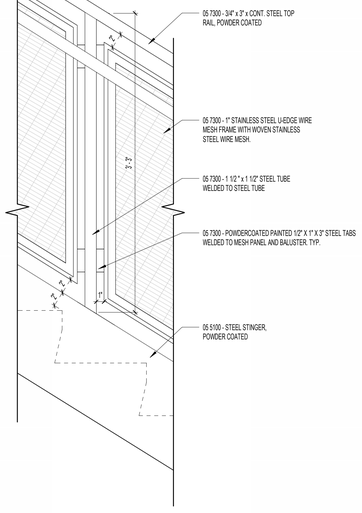


D3 / A357 **STAIR DETAIL AT BOTTOM**
1 1/2" = 1'-0"

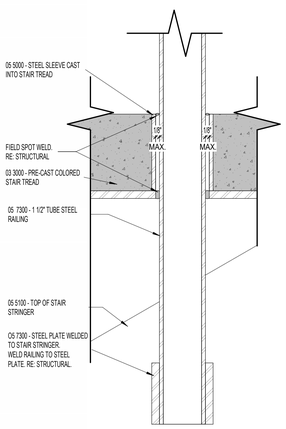
C



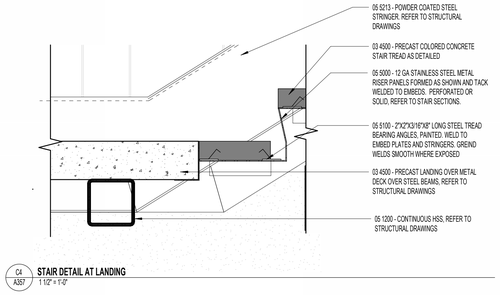
B1 / A357 **GUARDRAIL POST DETAIL**
1 1/2" = 1'-0"



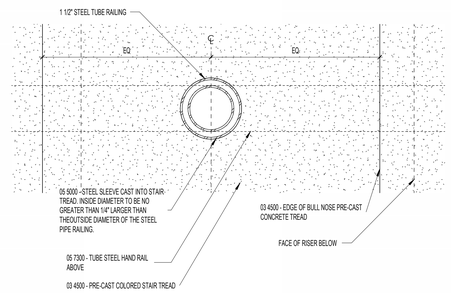
B2 / A357 **GUARDRAIL POST DETAIL ON STAIR**
1 1/2" = 1'-0"



B3 / A357 **METAL RAILING CONNECTION DETAIL**
6" = 1'-0"

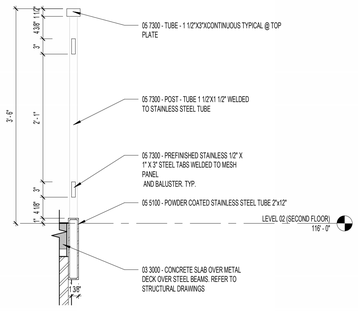


C4 / A357 **STAIR DETAIL AT LANDING**
1 1/2" = 1'-0"

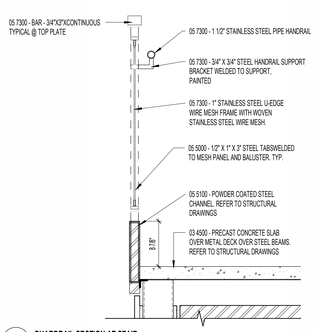


B4 / A357 **METAL RAILING LOCATION DETAIL**
6" = 1'-0"

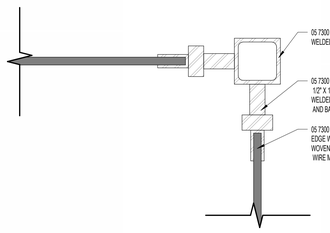
B



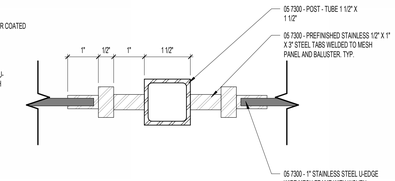
A1 / A357 **GUARDRAIL SECTION**
1" = 1'-0"



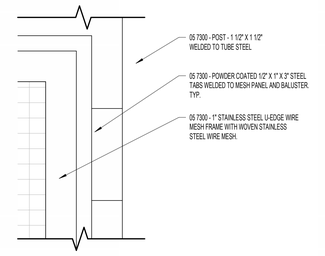
A2 / A357 **GUARDRAIL SECTION AT STAIR**
1" = 1'-0"



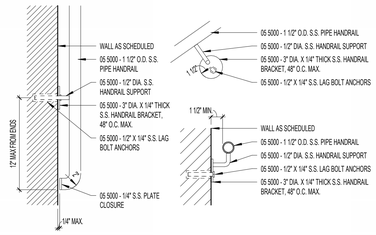
A3 / A357 **GUARDRAIL POST DETAIL AT CORNER**
6" = 1'-0"



A4 / A357 **GUARDRAIL POST DETAIL - TWO SIDED**
6" = 1'-0"



A5 / A357 **GUARDRAIL TAB DETAIL**
6" = 1'-0"



A6 / A357 **TYPICAL S.S. TUBE HANDRAIL DETAILS**
1 1/2" = 1'-0"

A
1 2 3 4 5 6

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
0.25	FOR FIRE RATED CEILINGS, MAINTAIN AT LEAST 4" OF AIR SPACE BETWEEN THE 3.5" OF INSULATION AND FLOOR ELEMENT ABOVE TO MAINTAIN FIRE RATING
03.30.H	03 3000 - REINFORCED CONCRETE STAIRS, ARCHITECTURAL FINISH. REFER TO STRUCTURAL DRAWINGS
03.30.Z	03 3000 - CAST IN PLACE CONCRETE LANDING
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
05.12.A	05 1200 - STEEL COLUMN, REFER TO STRUCTURAL DRAWINGS
05.12.B	05 1200 - STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
05.12.C	05 1200 - CONTINUOUS HSS, REFER TO STRUCTURAL DRAWINGS
05.50.W	05 5000 - STEEL TUBE, REFER TO STRUCTURAL DRAWINGS
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
07.21.D	07 2119 - 3" SPRAY FOAM INSULATION
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.AF	09 2116 - 6" STUD, REFER TO STRUCTURAL
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
09.30.B	09 3000 - THIN-SET WALL TILE. REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE

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SCHOOL DISTRICT

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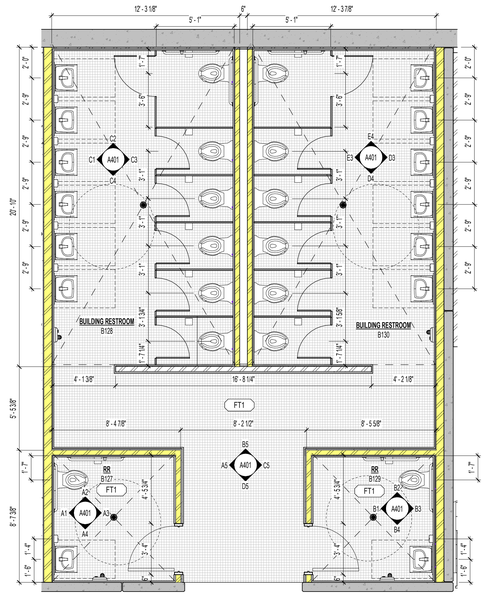
#7247356
LICENSED ARCHITECT

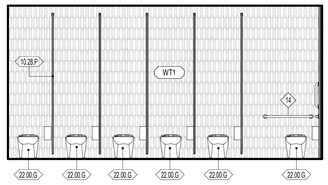
△ DATE REVISION

VERTICAL CIRCULATION ELEVATIONS AND DETAILS

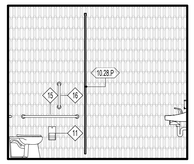
A357



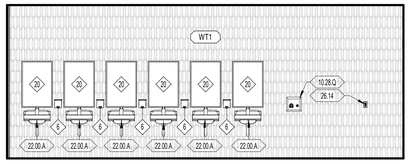
D1 A401 **AREA B1 RESTROOMS ENLARGED PLANS**
1/4" = 1'-0"



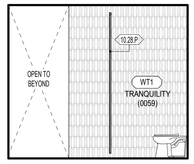
E3 A401 **B130 - RESTROOM - NORTH**
1/4" = 1'-0"



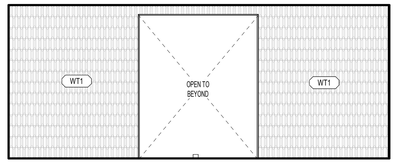
E4 A401 **B130 - RESTROOM - EAST**
1/4" = 1'-0"



D3 A401 **B130 - RESTROOM - SOUTH**
1/4" = 1'-0"

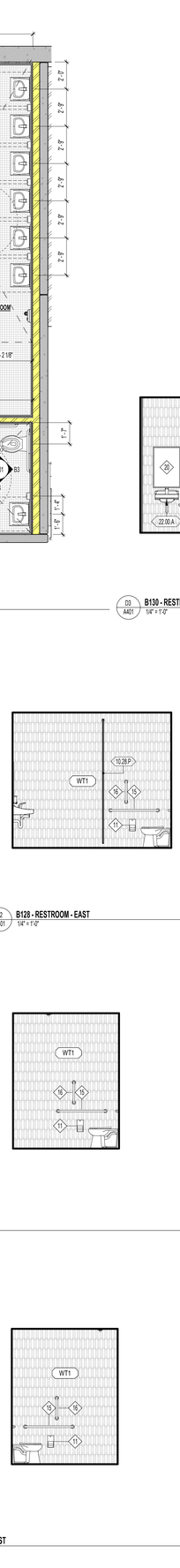


D4 A401 **B130 - RESTROOM - WEST**
1/4" = 1'-0"



D5 A401 **B128 - RESTROOM ENTRANCE - WEST**
1/4" = 1'-0"

C1 A401 **B128 - RESTROOM - NORTH**
1/4" = 1'-0"



C2 A401 **B128 - RESTROOM - EAST**
1/4" = 1'-0"

C3 A401 **B128 - RESTROOM - SOUTH**
1/4" = 1'-0"

C4 A401 **B128 - RESTROOM - WEST**
1/4" = 1'-0"

C5 A401 **B128 - RESTROOM ENTRANCE - SOUTH**
1/4" = 1'-0"

B1 A401 **B129 - RESTROOM - NORTH**
1/4" = 1'-0"

B2 A401 **B129 - RESTROOM - EAST**
1/4" = 1'-0"

B3 A401 **B129 - RESTROOM - SOUTH**
1/4" = 1'-0"

B4 A401 **B129 - RESTROOM - WEST**
1/4" = 1'-0"

B5 A401 **B128 - ENTRANCE RESTROOM - EAST**
1/4" = 1'-0"

A1 A401 **B127 - RESTROOM - NORTH**
1/4" = 1'-0"

A2 A401 **B127 - RESTROOM - EAST**
1/4" = 1'-0"

A3 A401 **B127 - RESTROOM - SOUTH**
1/4" = 1'-0"

A4 A401 **B127 - RESTROOM - WEST**
1/4" = 1'-0"

A5 A401 **B128 - RESTROOM ENTRANCE - NORTH**
1/4" = 1'-0"

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
10.28.P	10 2800 - SCREEN PARTITION. REFER TO SPECIFICATION. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED
10.28.Q	10 2800 - AIR HAND DRYER
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
22.00.G	22 0000 - PLUMBING EQUIPMENT/FIXTURES, REFER TO PLUMBING DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS

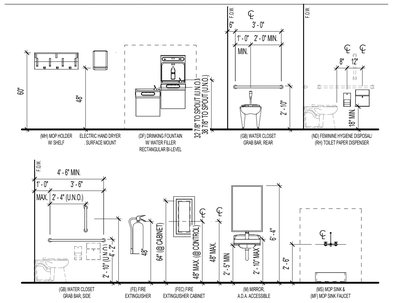
TOILET ROOM ACCESSORY LEGEND

X	REFERE TO G004 MOUNTING HEIGHT

MARK	ITEM	NOTES
1,2	MOP SINK & MOP SINK FAUCET	REFER TO PLUMBING DRAWINGS
3	MOP HOLDER W/ SHELF	REFER TO SECTION 10 2800
4	FEMININE HYGIENE DISPENSER	OWNER FURNISHED, OWNER INSTALL
5	PAPER TOWEL DISPENSER	OWNER FURNISHED, OWNER INSTALL
6	SOAP DISPENSER	OWNER FURNISHED, OWNER INSTALL
7	DRINKING FOUNTAIN W/ WATER FILLER	REFER TO PLUMBING DRAWINGS
8	TOILET, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
9	TOILET, TYPICAL	REFER TO PLUMBING DRAWINGS
10	FEMININE HYGINE DISPOSAL	REFER TO SECTION 10 2800
11	TOILET PAPER DISPENSER	OWNER FURNISHED, OWNER INSTALL
12	URINAL, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
13	URINAL, TYPICAL	REFER TO PLUMBING DRAWINGS
14	WC GRAB BAR, REAR (HORIZONTAL)	REFER TO SECTION 10 2800
15	WC GRAB BAR, SIDE (HORIZONTAL)	REFER TO SECTION 10 2800
16	WC GRAB BAR, SIDE (VERTICAL)	REFER TO SECTION 10 2800
17	SHOWER FAUCET, SHOWER GRAB BAR A.D.A., FRONT	REFER TO SECTION 10 2800
18	SHOWER GRAB BAR A.D.A., SIDE	REFER TO SECTION 10 2800
19	SHOWER SEAT A.D.A., REAR	REFER TO SECTION 10 2800
20	MIRROR, A.D.A. ACCESSIBLE	REFER TO SECTION 10 2800
21	SINK, A.D.A. ACCESSIBLE	REFER TO PLUMBING DRAWINGS

NOTE: INSTALL SOLID WOOD BLOCKING AS REQUIRED FOR ACCESSORIES AND TOILET PARTITION MOUNTING

TOILET ROOM ACCESSORY LEGEND



naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

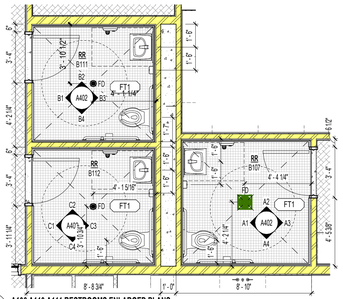
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

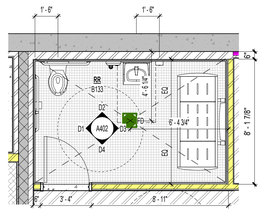
DATE	REVISION

ENLARGED PLANS & INTERIOR ELEVATIONS

A401

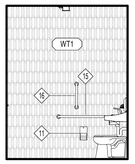


E1 A402 **A106 A110 A111 RESTROOMS ENLARGED PLANS**
1/4" = 1'-0"

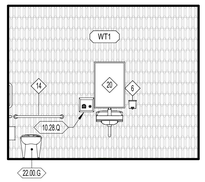


E2 A402 **A137 RESTROOM ENLARGED PLAN**
1/4" = 1'-0"

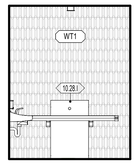
E



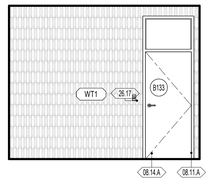
D1 A402 **A133 - RESTROOM - NORTH**
1/4" = 1'-0"



D2 A402 **A133 - RESTROOM - EAST**
1/4" = 1'-0"

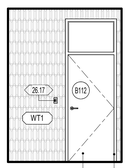


D3 A402 **A133 - RESTROOM - SOUTH**
1/4" = 1'-0"

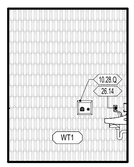


D4 A402 **A133 - RESTROOM - WEST**
1/4" = 1'-0"

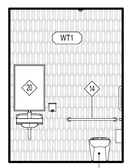
D



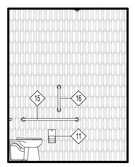
C1 A402 **B112 - RESTROOM - NORTH**
1/4" = 1'-0"



C2 A402 **B112 - RESTROOM - EAST**
1/4" = 1'-0"

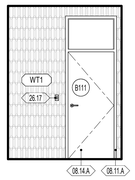


C3 A402 **B112 - RESTROOM - SOUTH**
1/4" = 1'-0"

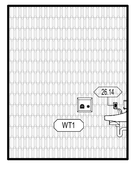


C4 A402 **B112 - RESTROOM - WEST**
1/4" = 1'-0"

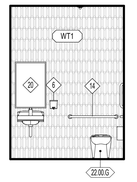
C



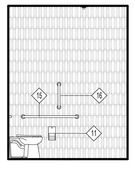
B1 A402 **B111 - RESTROOM - NORTH**
1/4" = 1'-0"



B2 A402 **B111 - RESTROOM - EAST**
1/4" = 1'-0"



B3 A402 **B111 - RESTROOM - SOUTH**
1/4" = 1'-0"

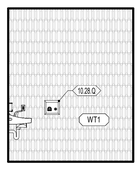


B4 A402 **B111 - RESTROOM - WEST**
1/4" = 1'-0"

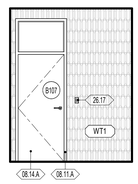
B



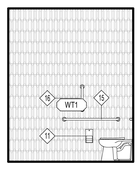
A1 A402 **B107 - RESTROOM - NORTH**
1/4" = 1'-0"



A2 A402 **B107 - RESTROOM - EAST**
1/4" = 1'-0"



A3 A402 **B107 - RESTROOM - SOUTH**
1/4" = 1'-0"



A4 A402 **B107 - RESTROOM - WEST**
1/4" = 1'-0"

A

1 2 3 4 5

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
10.28.I	10 2800 - WALL MOUNTED BABY CHANGING TABLE. REFER TO SPECIFICATION. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED
10.28.Q	10 2800 - AIR HAND DRYER
22.00.G	22 0000 - PLUMBING EQUIPMENT/FIXTURES, REFER TO PLUMBING DRAWINGS
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS

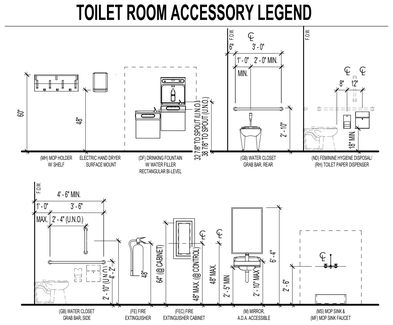
TOILET ROOM ACCESSORY LEGEND

X — REFERE TO G004 MOUNTING HEIGHT

MARK	ITEM	NOTES
1,2	MOP SINK & MOP SINK FAUCET	REFER TO PLUMBING DRAWINGS
3	MOP HOLDER W/ SHELF	REFER TO SECTION 10 2800
4	FEMININE HYGIENE DISPENSER	OWNER FURNISHED, OWNER INSTALL
5	PAPER TOWEL DISPENSER	OWNER FURNISHED, OWNER INSTALL
6	SOAP DISPENSER	OWNER FURNISHED, OWNER INSTALL
7	DRINKING FOUNTAIN W/ WATER FILLER	REFER TO PLUMBING DRAWINGS
8	TOILET, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
9	TOILET, TYPICAL	REFER TO PLUMBING DRAWINGS
10	FEMININE HYGINE DISPOSAL	REFER TO SECTION 10 2800
11	TOILET PAPER DISPENSER	OWNER FURNISHED, OWNER INSTALL
12	URINAL, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
13	URINAL, TYPICAL	REFER TO PLUMBING DRAWINGS
14	WC GRAB BAR, REAR (HORIZONTAL)	REFER TO SECTION 10 2800
15	WC GRAB BAR, SIDE (HORIZONTAL)	REFER TO SECTION 10 2800
16	WC GRAB BAR, SIDE (VERTICAL)	REFER TO SECTION 10 2800
17	SHOWER FAUCET, SHOWER GRAB BAR A.D.A., FRONT	REFER TO SECTION 10 2800
18	SHOWER GRAB BAR A.D.A., SIDE	REFER TO SECTION 10 2800
19	SHOWER SEAT A.D.A., REAR	REFER TO SECTION 10 2800
20	MIRROR, A.D.A. ACCESSIBLE	REFER TO SECTION 10 2800
21	SINK, A.D.A. ACCESSIBLE	REFER TO PLUMBING DRAWINGS

NOTE: INSTALL SOLID WOOD BLOCKING AS REQUIRED FOR ACCESSORIES AND TOILET PARTITION MOUNTING

TOILET ROOM ACCESSORY LEGEND



6

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
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84318

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STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
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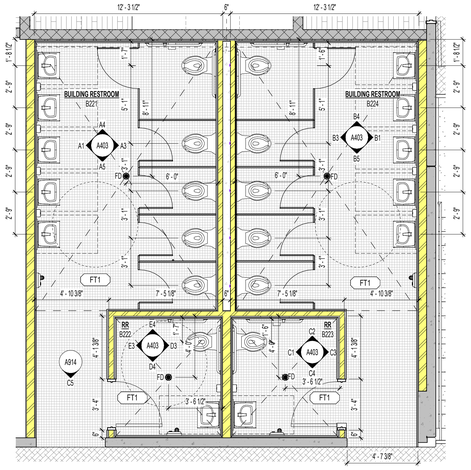
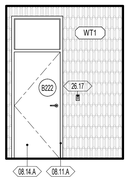
ENLARGED PLANS & INTERIOR ELEVATIONS

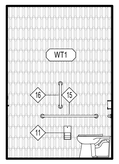
A402



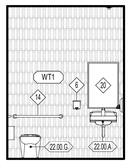
D1 A403 **AREA B2 RESTROOMS ENLARGED PLANS**
1/4" = 1'-0"



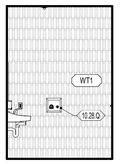
E3 A403 **B222 - RESTROOM - NORTH**
1/4" = 1'-0"



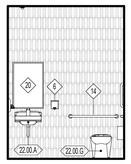
E4 A403 **B222 - RESTROOM - EAST**
1/4" = 1'-0"

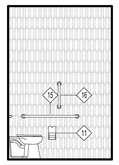


D3 A403 **B222 - RESTROOM - SOUTH**
1/4" = 1'-0"



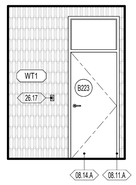
D4 A403 **B222 - RESTROOM - WEST**
1/4" = 1'-0"



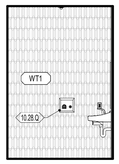


C1 A403 **B223 - RESTROOM - NORTH**
1/4" = 1'-0"

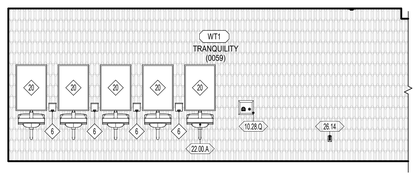
C2 A403 **B223 - RESTROOM - EAST**
1/4" = 1'-0"



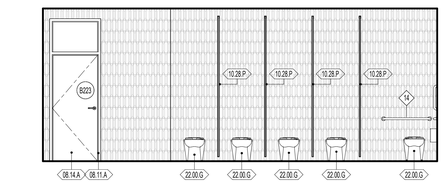
C3 A403 **B223 - RESTROOM - SOUTH**
1/4" = 1'-0"



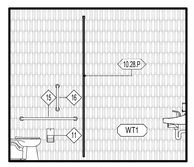
C4 A403 **B223 - RESTROOM - WEST**
1/4" = 1'-0"



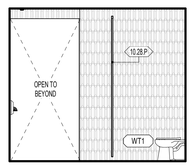
B1 A403 **B224 - RESTROOM - SOUTH**
1/4" = 1'-0"



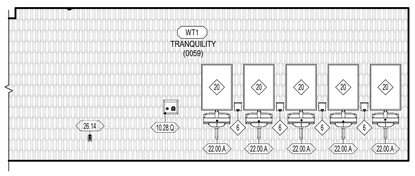
B3 A403 **B224 - RESTROOM - NORTH**
1/4" = 1'-0"



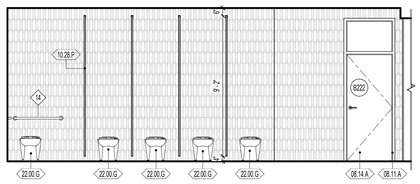
B4 A403 **B224 - RESTROOM - EAST**
1/4" = 1'-0"



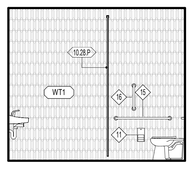
B5 A403 **B224 - RESTROOM - WEST**
1/4" = 1'-0"



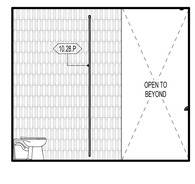
A1 A403 **B221 - RESTROOM - NORTH**
1/4" = 1'-0"



A3 A403 **B221 - RESTROOM - SOUTH**
1/4" = 1'-0"



A4 A403 **B221 - RESTROOM - EAST**
1/4" = 1'-0"



A5 A403 **B221 - RESTROOM - WEST**
1/4" = 1'-0"

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
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WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
10.28.P	10 2800 - SCREEN PARTITION. REFER TO SPECIFICATION. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED
10.28.Q	10 2800 - AIR HAND DRYER
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
22.00.G	22 0000 - PLUMBING EQUIPMENT/FIXTURES, REFER TO PLUMBING DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS

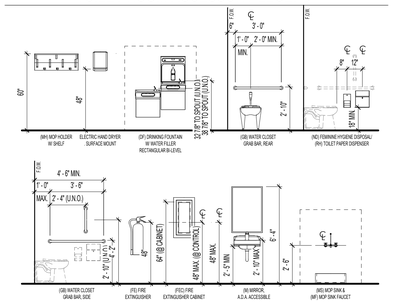
TOILET ROOM ACCESSORY LEGEND

X — REFERE TO G004 MOUNTING HEIGHT

MARK	ITEM	NOTES
1,2	MOP SINK & MOP SINK FAUCET	REFER TO PLUMBING DRAWINGS
3	MOP HOLDER W/ SHELF	REFER TO SECTION 10 2800
4	FEMININE HYGIENE DISPENSER	OWNER FURNISHED, OWNER INSTALL
5	PAPER TOWEL DISPENSER	OWNER FURNISHED, OWNER INSTALL
6	SOAP DISPENSER	OWNER FURNISHED, OWNER INSTALL
7	DRINKING FOUNTAIN W/ WATER FILLER	REFER TO PLUMBING DRAWINGS
8	TOILET, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
9	TOILET, TYPICAL	REFER TO PLUMBING DRAWINGS
10	FEMININE HYGINE DISPOSAL	REFER TO SECTION 10 2800
11	TOILET PAPER DISPENSER	OWNER FURNISHED, OWNER INSTALL
12	URINAL, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
13	URINAL, TYPICAL	REFER TO PLUMBING DRAWINGS
14	WC GRAB BAR, REAR (HORIZONTAL)	REFER TO SECTION 10 2800
15	WC GRAB BAR, SIDE (HORIZONTAL)	REFER TO SECTION 10 2800
16	WC GRAB BAR, SIDE (VERTICAL)	REFER TO SECTION 10 2800
17	SHOWER FAUCET, SHOWER GRAB BAR A.D.A., FRONT	REFER TO SECTION 10 2800
18	SHOWER GRAB BAR A.D.A., SIDE	REFER TO SECTION 10 2800
19	SHOWER SEAT A.D.A., REAR	REFER TO SECTION 10 2800
20	MIRROR, A.D.A. ACCESSIBLE	REFER TO SECTION 10 2800
21	SINK, A.D.A. ACCESSIBLE	REFER TO PLUMBING DRAWINGS

NOTE: INSTALL SOLID WOOD BLOCKING AS REQUIRED FOR ACCESSORIES AND TOILET PARTITION MOUNTING

TOILET ROOM ACCESSORY LEGEND



naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE — BID SET
ISSUE DATE — 02/25/2025
NWL PROJECT — 0119.002

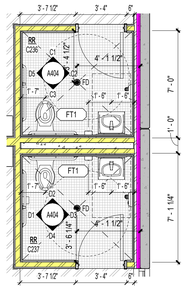
STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE REVISION

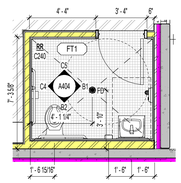
ENLARGED PLANS & INTERIOR ELEVATIONS

A403

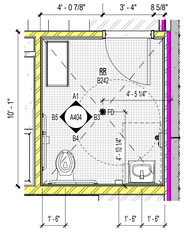
1 2 3 4 5 6



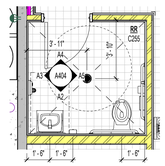
E1 A404 **A236 A237 RESTROOMS ENLARGED PLANS**
1/4" = 1'-0"



E2 A404 **A240 RESTROOM ENLARGED PLAN**
1/4" = 1'-0"

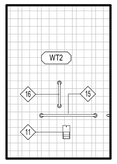


E3 A404 **A242 RESTROOM ENLARGED PLAN**
1/4" = 1'-0"

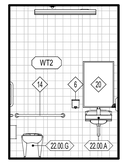


E4 A404 **A255 RESTROOM ENLARGED PLAN**
1/4" = 1'-0"

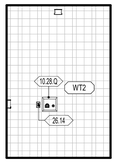
D



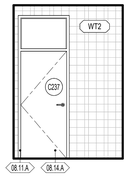
D1 A404 **C237 - RESTROOM - NORTH**
1/4" = 1'-0"



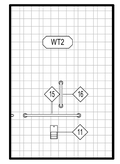
D2 A404 **C237 - RESTROOM - EAST**
1/4" = 1'-0"



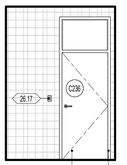
D3 A404 **C237 - RESTROOM - SOUTH**
1/4" = 1'-0"



D4 A404 **C237 - RESTROOM - WEST**
1/4" = 1'-0"

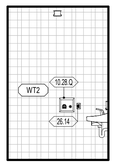


D5 A404 **A236 - RR - NORTH**
1/4" = 1'-0"

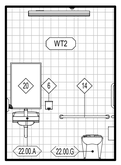


C1 A404 **A236 - RR - EAST**
1/4" = 1'-0"

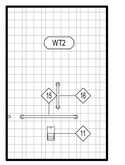
C



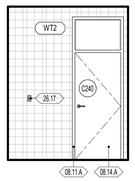
C2 A404 **C236 - RR - SOUTH**
1/4" = 1'-0"



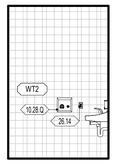
C3 A404 **C236 - RR - WEST**
1/4" = 1'-0"



C4 A404 **C240 - RR - NORTH**
1/4" = 1'-0"

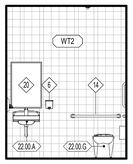


C5 A404 **C240 - RESTROOM - EAST**
1/4" = 1'-0"

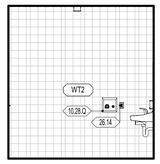


B1 A404 **C240 - RESTROOM - SOUTH**
1/4" = 1'-0"

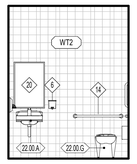
B



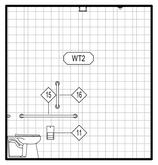
B2 A404 **C240 - RESTROOM - WEST**
1/4" = 1'-0"



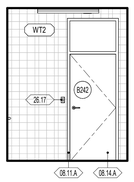
B3 A404 **B242 - RESTROOM - SOUTH**
1/4" = 1'-0"



B4 A404 **B242 - RESTROOM - WEST**
1/4" = 1'-0"



B5 A404 **B242 - RESTROOM - NORTH**
1/4" = 1'-0"

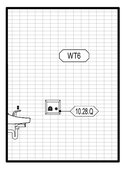


A1 A404 **B242 - RESTROOM - EAST**
1/4" = 1'-0"

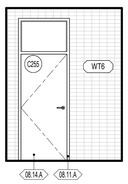
A



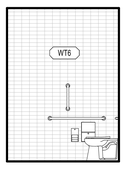
A2 A404 **C255 - RESTROOM - WEST**
1/4" = 1'-0"



A3 A404 **C255 - RESTROOM - NORTH**
1/4" = 1'-0"



A4 A404 **C255 - RESTROOM - EAST**
1/4" = 1'-0"



A5 A404 **C255 - RESTROOM - SOUTH**
1/4" = 1'-0"

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

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2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
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WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
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DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
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WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A1101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A1101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A1101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A1101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

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BASE FINISH

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B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

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NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
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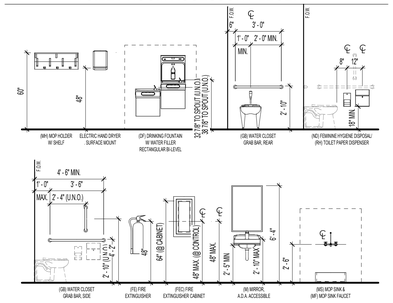
TOILET ROOM ACCESSORY LEGEND

X — REFERE TO G004 MOUNTING HEIGHT

MARK	ITEM	NOTES
1	MOP SINK & MOP SINK FAUCET	REFER TO PLUMBING DRAWINGS
3	MOP HOLDER W/ SHELF	REFER TO SECTION 10 2800
4	FEMININE HYGIENE DISPENSER	OWNER FURNISHED, OWNER INSTALL
5	PAPER TOWEL DISPENSER	OWNER FURNISHED, OWNER INSTALL
6	SOAP DISPENSER	OWNER FURNISHED, OWNER INSTALL
7	DRINKING FOUNTAIN W/ WATER FILLER	REFER TO PLUMBING DRAWINGS
8	TOILET, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
9	TOILET, TYPICAL	REFER TO PLUMBING DRAWINGS
10	FEMININE HYGINE DISPOSAL	REFER TO SECTION 10 2800
11	TOILET PAPER DISPENSER	OWNER FURNISHED, OWNER INSTALL
12	URINAL, ACCESSIBLE	REFER TO PLUMBING DRAWINGS
13	URINAL, TYPICAL	REFER TO PLUMBING DRAWINGS
14	WC GRAB BAR, REAR (HORIZONTAL)	REFER TO SECTION 10 2800
15	WC GRAB BAR, SIDE (HORIZONTAL)	REFER TO SECTION 10 2800
16	WC GRAB BAR, SIDE (VERTICAL)	REFER TO SECTION 10 2800
17	SHOWER FAUCET, SHOWER GRAB BAR A.D.A., FRONT	REFER TO SECTION 10 2800
18	SHOWER GRAB BAR A.D.A., SIDE	REFER TO SECTION 10 2800
19	SHOWER SEAT A.D.A., REAR	REFER TO SECTION 10 2800
20	MIRROR, A.D.A. ACCESSIBLE	REFER TO SECTION 10 2800
21	SINK, A.D.A. ACCESSIBLE	REFER TO PLUMBING DRAWINGS

NOTE: INSTALL SOLID WOOD BLOCKING AS REQUIRED FOR ACCESSORIES AND TOILET PARTITION MOUNTING

TOILET ROOM ACCESSORY LEGEND



naylor wentworth lund
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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
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84318

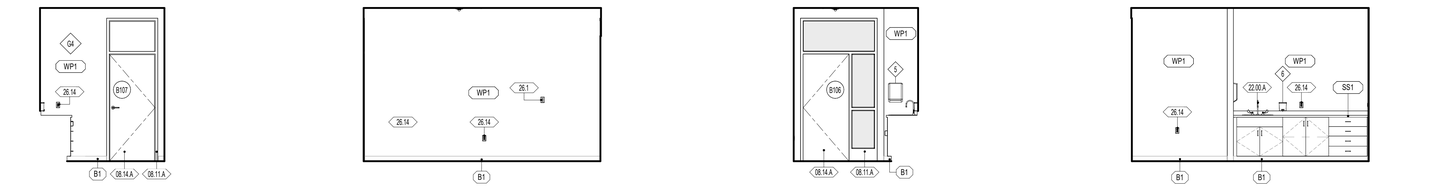
BID SET 03/25/2025
DRAWING ISSUE 0119.002
ISSUE DATE WWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

ENLARGED PLANS & INTERIOR ELEVATIONS

A404



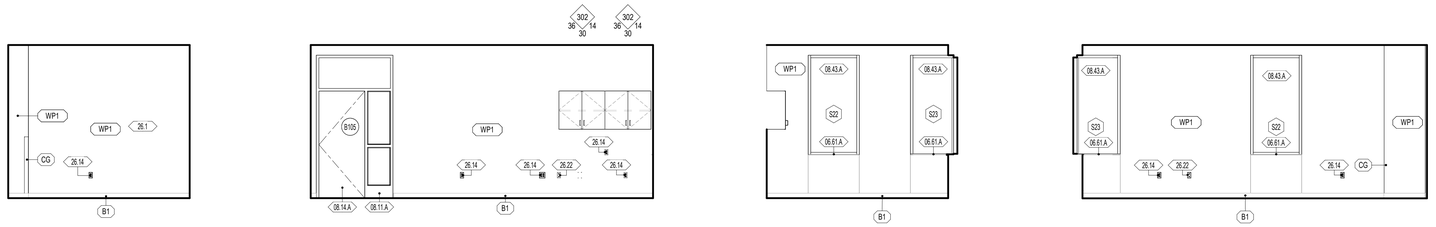
E1 / A405 **B106 - NURSE - NORTH** 1/4" = 1'-0"

E2 / A405 **B106 - NURSE - EAST** 1/4" = 1'-0"

E3 / A405 **A106 - NURSE - SOUTH** 1/4" = 1'-0"

E4 / A405 **B106 - NURSE - WEST** 1/4" = 1'-0"

E



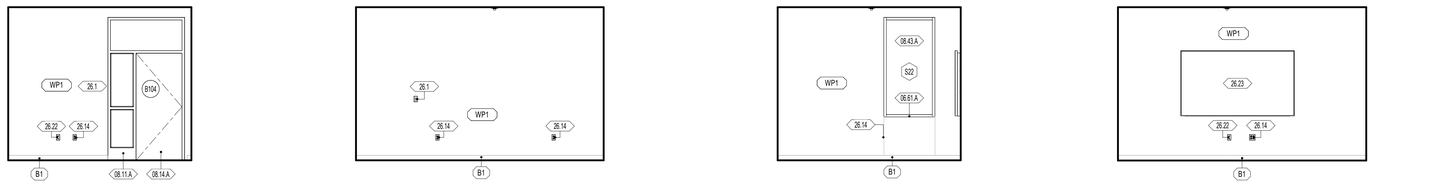
D1 / A405 **B105 - PRINCIPAL - NORTH** 1/4" = 1'-0"

D2 / A405 **B105 - PRINCIPAL - EAST** 1/4" = 1'-0"

D3 / A405 **B105 - PRINCIPAL - SOUTH** 1/4" = 1'-0"

D4 / A405 **B105 - PRINCIPAL - WEST** 1/4" = 1'-0"

D



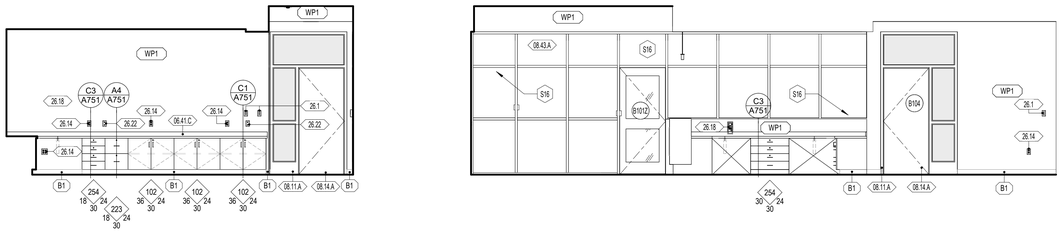
C1 / A405 **B104 - CONFERENCE - NORTH** 1/4" = 1'-0"

C2 / A405 **B104 - CONFERENCE - EAST** 1/4" = 1'-0"

C3 / A405 **B104 - CONFERENCE - SOUTH** 1/4" = 1'-0"

C4 / A405 **B104 - CONFERENCE - WEST** 1/4" = 1'-0"

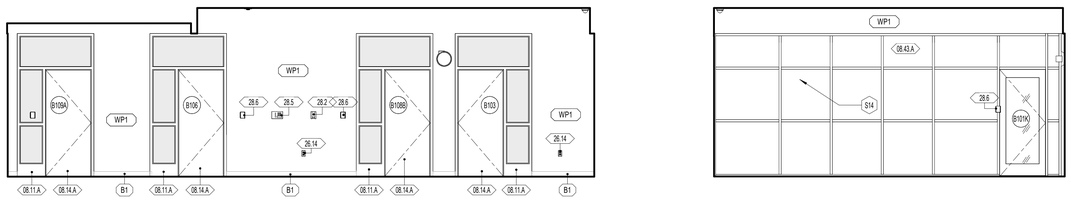
C



B1 / A405 **B101 - ADMIN. - WEST** 1/4" = 1'-0"

B2 / A405 **B101 - WAITING - SOUTH** 1/4" = 1'-0"

B



A1 / A405 **B101 - WAITING - NORTH** 1/4" = 1'-0"

A3 / A405 **B101 - WAITING - EAST** 1/4" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
22.00.A	22 0000 - HAND WASH SINK. REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON. REFER TO ELECTRICAL
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION. REFER TO ELECTRICAL
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD. REFER TO ELECTRICAL DRAWINGS
28.2	28 0000 - FIRE ALARM PULL STATION. REFER TO ELECTRICAL DRAWINGS & SPECIFICATION
28.5	28 0000 - FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS
28.6	28 0000 - SECURITY CREDENTIALS PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

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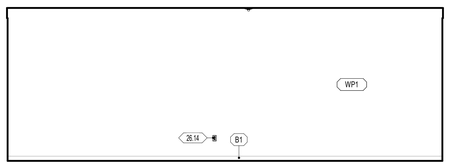
LICENSED ARCHITECT

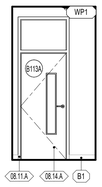
△ DATE REVISION

INTERIOR ELEVATIONS

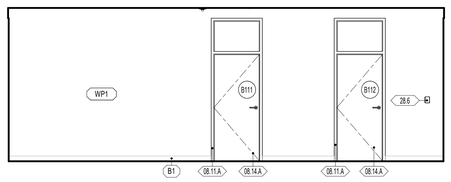
A405



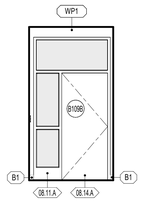
E1 / A406 **B113 - HALL - NORTH**
1/4" = 1'-0"



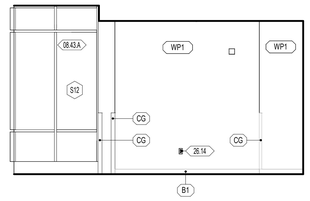
E3a / A406 **B113 - HALL - EAST**
1/4" = 1'-0"



E3b / A406 **B113 - HALL - SOUTH**
1/4" = 1'-0"

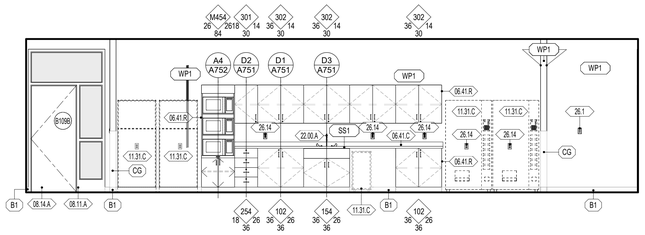


E3c / A406 **B113 - HALL - WEST**
1/4" = 1'-0"

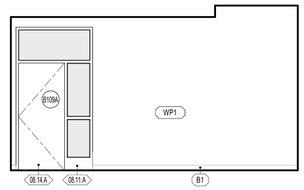


E3a / A406 **B109 - BREAKROOM - NORTH**
1/4" = 1'-0"

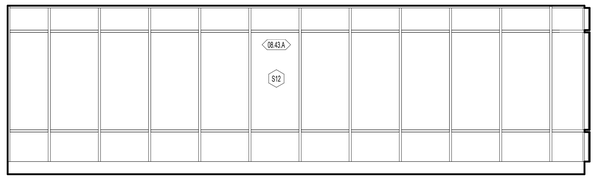
E



D1 / A406 **B109 - BREAKROOM - EAST**
1/4" = 1'-0"

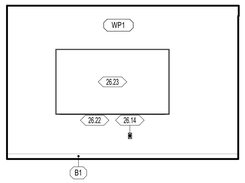


D3 / A406 **B109 - BREAKROOM - SOUTH**
1/4" = 1'-0"

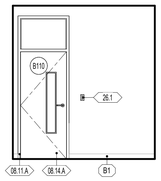


D4 / A406 **B109 - BREAKROOM - WEST**
1/4" = 1'-0"

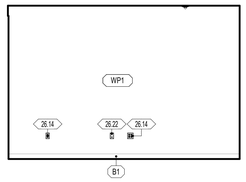
D



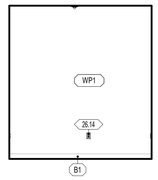
C1 / A406 **B110 - COUNSELOR - NORTH**
1/4" = 1'-0"



C2 / A406 **B110 - COUNSELOR - EAST**
1/4" = 1'-0"

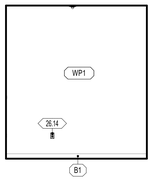


C3 / A406 **B110 - COUNSELOR - SOUTH**
1/4" = 1'-0"



C4 / A406 **B110 - COUNSELOR - WEST**
1/4" = 1'-0"

C



B1 / A406 **B103- SRO - NORTH**
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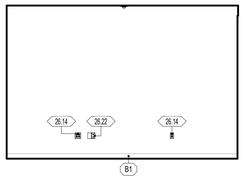
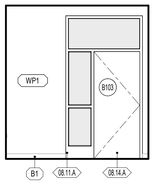
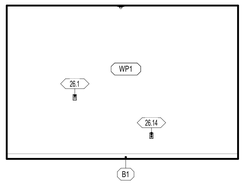


B2 / A406 **B103- SRO - EAST**
1/4" = 1'-0"

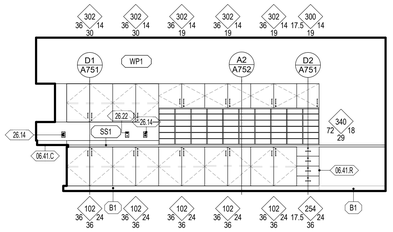


B3 / A406 **A109 - SRO - SOUTH**
1/4" = 1'-0"

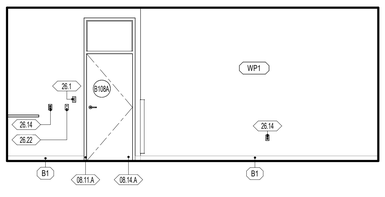


B4 / A406 **B103 - SRO - WEST**
1/4" = 1'-0"

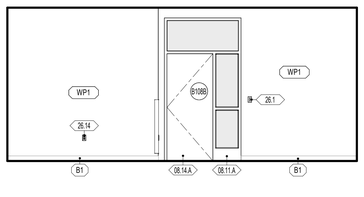
B



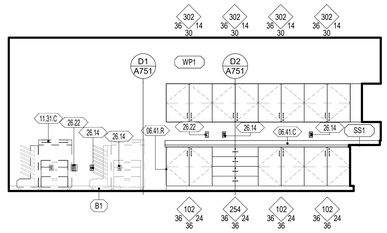
A1 / A406 **B108 - ADMIN WORKROOM - NORTH**
1/4" = 1'-0"



A2 / A406 **B108 - ADMIN WORKROOM - EAST**
1/4" = 1'-0"



A4 / A406 **B108 - ADMIN WORKROOM - SOUTH**
1/4" = 1'-0"



A5 / A406 **B108 - ADMIN WORKROOM - WEST**
1/4" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
11.31.C	11 3100 - OWNER FURNISHED OWNER INSTALLED EQUIPMENT
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
28.6	28 0000 - SECURITY CREDENTIALS PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
331 EAST 300 NORTH
HYDE PARK CITY, UT
84318

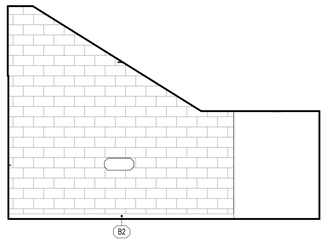
DRAWING ISSUE: BID SET
ISSUE DATE: 03/25/2025
NWL PROJECT: 0118.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#3191641
#183992
#7247356
LICENSED ARCHITECT

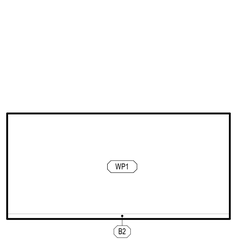
DATE REVISION

INTERIOR ELEVATIONS

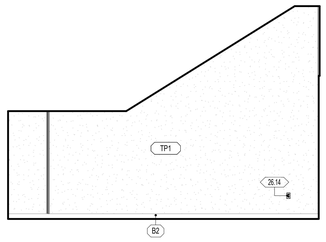
A406



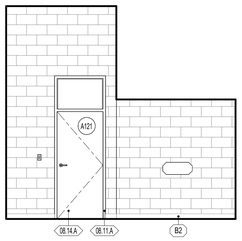
E1 A407 **A121 - STORAGE - NORTH**
1/4" = 1'-0"



E2 A407 **A121 - STORAGE - EAST**
1/4" = 1'-0"

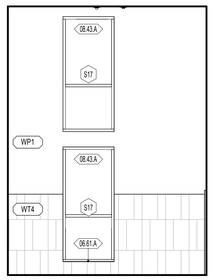


E3 A407 **A121 - STORAGE - SOUTH**
1/4" = 1'-0"

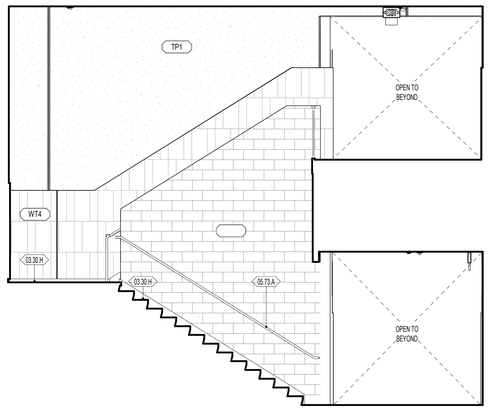


E4 A407 **A121 - STORAGE - WEST**
1/4" = 1'-0"

E

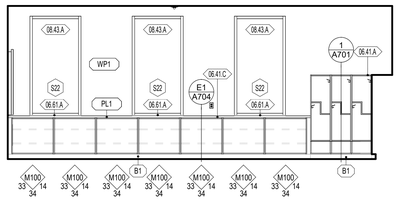


D1 A407 **ST2 - NORTH STAIR - EAST**
1/4" = 1'-0"



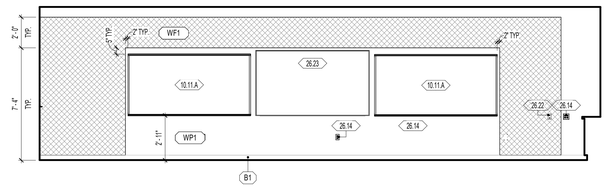
D4 A407 **ST2 - NORTH STAIR - NORTH**
1/4" = 1'-0"





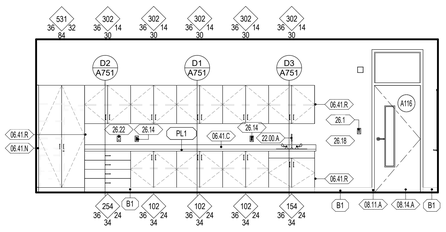
C1 A407 **A117 - CLASSROOM GRADE 4 - WEST**
1/4" = 1'-0"

C3 A407 **ST2 - NORTH STAIR - SOUTH**
1/4" = 1'-0"

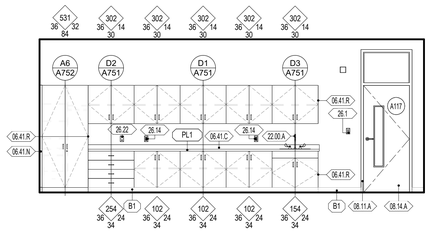


C4 A407 **A117 - CLASSROOM GRADE 4 - SOUTH**
1/4" = 1'-0"

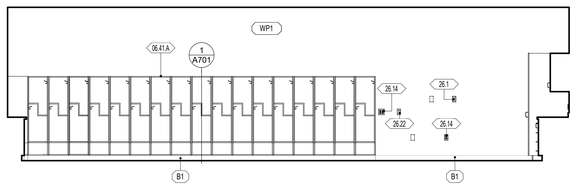
C



B1 A407 **A116 - CLASSROOM GRADE 3 - EAST**
1/4" = 1'-0"

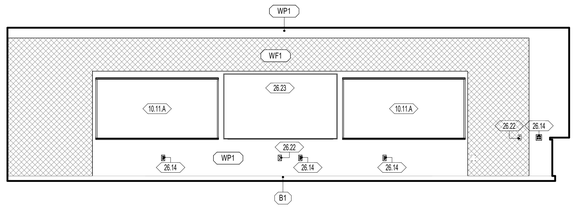


B3 A407 **A117 - CLASSROOM GRADE 4 - EAST**
1/4" = 1'-0"

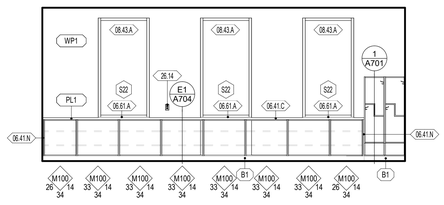


B4 A407 **A117 - CLASSROOM GRADE 4 - NORTH**
1/4" = 1'-0"

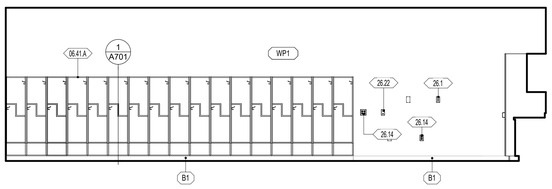
B



A1 A407 **A116 - CLASSROOM GRADE 3 - SOUTH**
1/4" = 1'-0"



A3 A407 **A116 - CLASSROOM GRADE 3 - WEST**
1/4" = 1'-0"



A4 A407 **A116 - CLASSROOM GRADE 3 - NORTH**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.H	03 3000 - REINFORCED CONCRETE STAIRS, ARCHITECTURAL FINISH. REFER TO STRUCTURAL DRAWINGS
05.73.A	05 7300 - DECORATIVE METAL RAILINGS. REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION, REFER TO ELECTRICAL
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

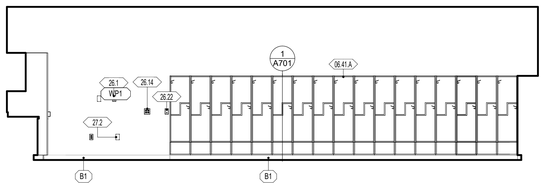
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

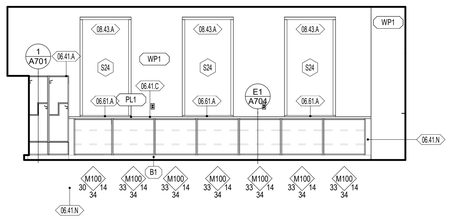
△ DATE REVISION

INTERIOR ELEVATIONS

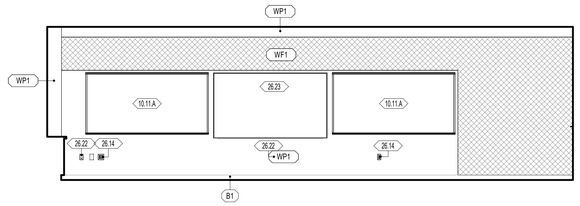
A407



E1 A408 A125 - CLASSROOM GRADE 5 - a
1/4" = 1'-0"

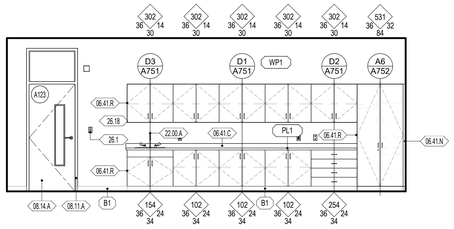


E3 A408 A125 - CLASSROOM GRADE 5 - EAST
1/4" = 1'-0"

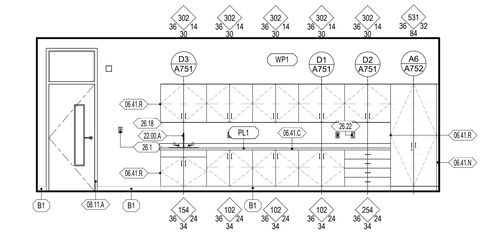


E4 A408 A125 - CLASSROOM GRADE 5 - SOUTH
1/4" = 1'-0"

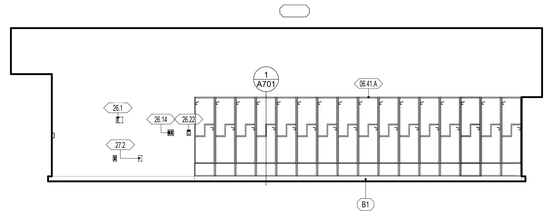
E



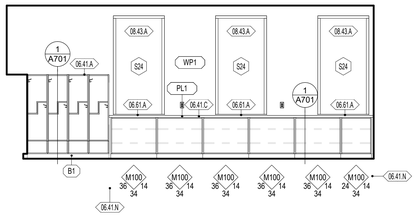
D1 A408 A125 - CLASSROOM GRADE 5 - WEST
1/4" = 1'-0"



D3 A408 A122 - CLASSROOM GRADE 5 - WEST
1/4" = 1'-0"

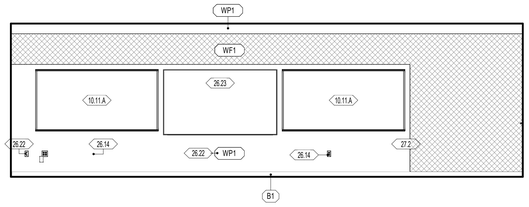


D4 A408 A122 - CLASSROOM GRADE 5 - NORTH
1/4" = 1'-0"

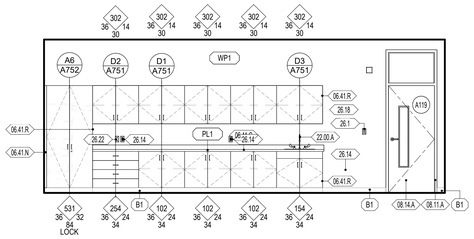


C1 A408 A122 - CLASSROOM GRADE 5 - EAST
1/4" = 1'-0"

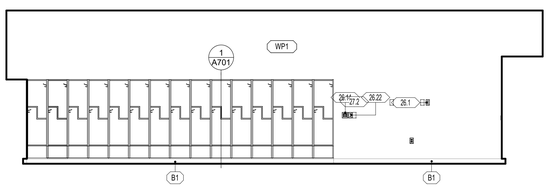
C



C3 A408 A122 - CLASSROOM GRADE 5 - SOUTH
1/4" = 1'-0"

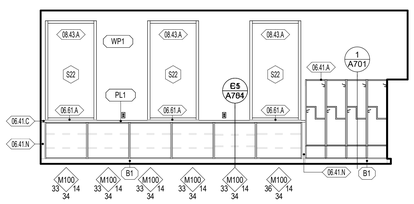


C4 A408 A119 - CLASSROOM GRADE 4 - EAST
1/4" = 1'-0"

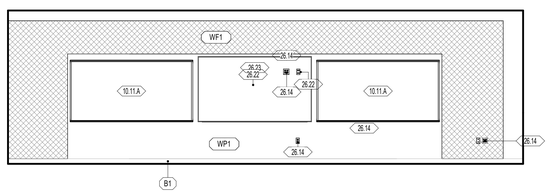


B1 A408 A119 - CLASSROOM GRADE 4 - NORTH
1/4" = 1'-0"

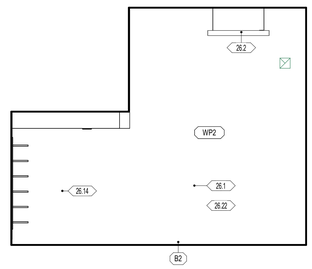
B



B3 A408 A119 - CLASSROOM GRADE 4 - WEST
1/4" = 1'-0"

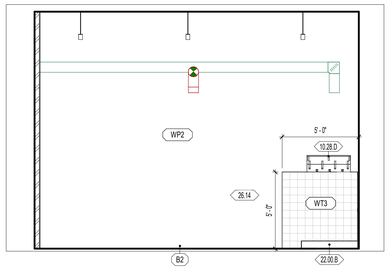


B4 A408 A119 - CLASSROOM GRADE 4 - SOUTH
1/4" = 1'-0"

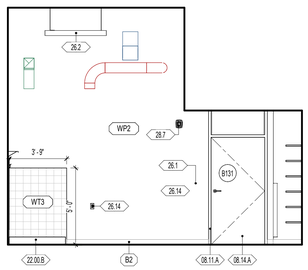


A1 A408 A131 - CUSTODIAL - NORTH
1/4" = 1'-0"

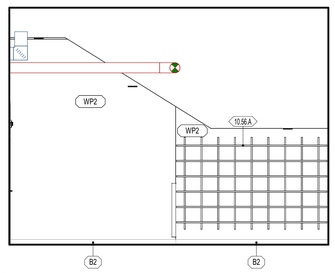
A



A2 A408 A131 - CUSTODIAL - EAST
1/4" = 1'-0"



A3 A408 A131 - CUSTODIAL - SOUTH
1/4" = 1'-0"



A4 A408 A131 - CUSTODIAL - WEST
1/4" = 1'-0"

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK.
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
10.28.D	10 2800 - MOP AND BROOM RACK. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED
10.56.A	10 5617 - ADJUSTABLE METAL STORAGE SHELVING. REFER TO SPECIFICATION
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
22.00.B	22 0000 - FLOOR SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION, REFER TO ELECTRICAL
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

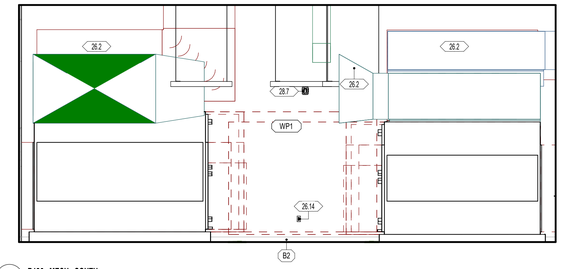
BID SET 03/25/2025
DRAWING ISSUE
ISSUE DATE
NWL PROJECT 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356 LICENSED ARCHITECT

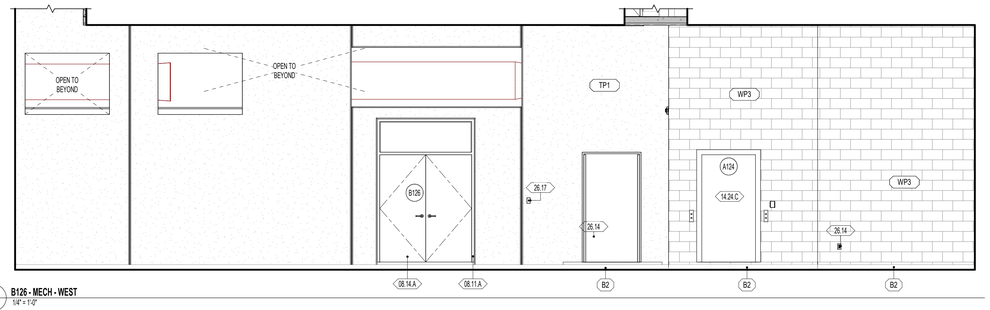
DATE REVISION

INTERIOR ELEVATIONS

A408

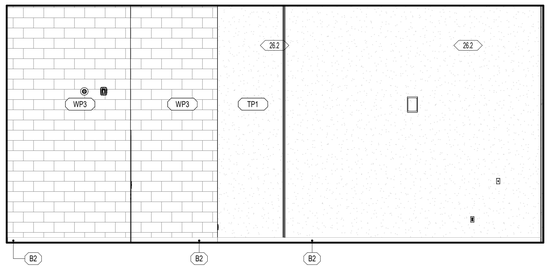


E1 A409 **B126 - MECH - SOUTH**
1/4" = 1'-0"

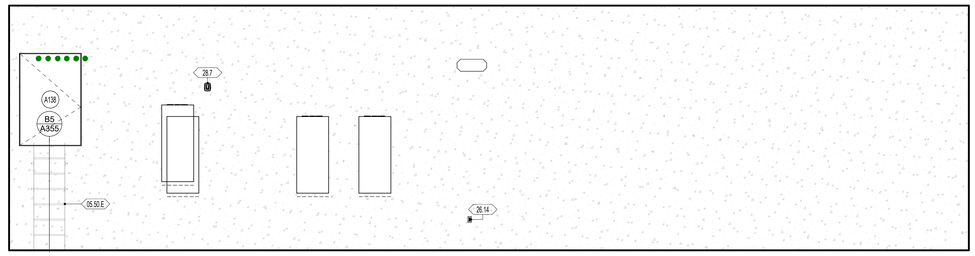


E3 A409 **B126 - MECH - WEST**
1/4" = 1'-0"

E

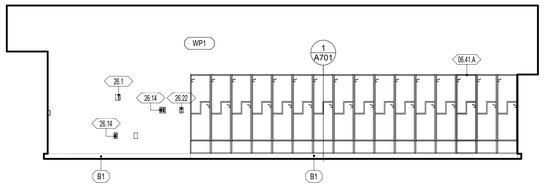


D1 A409 **B126 - MECH - NORTH**
1/4" = 1'-0"

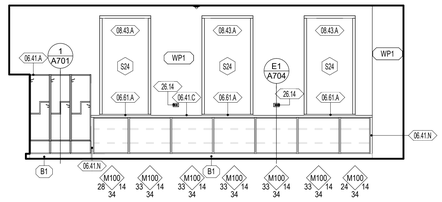


D3 A409 **B126 - MECH - EAST**
1/4" = 1'-0"

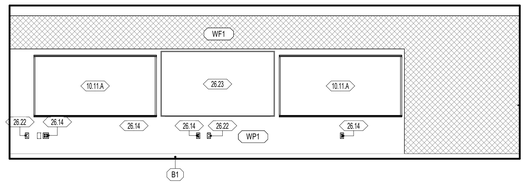
D



C1 A409 **A125 - CLASSROOM GRADE 3 - NORTH**
1/4" = 1'-0"

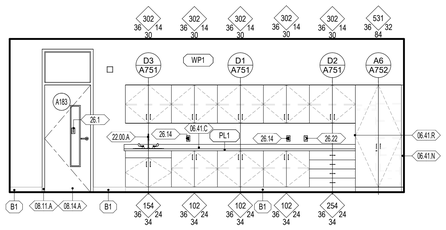


C3 A409 **A125 - CLASSROOM GRADE 3 - EAST**
1/4" = 1'-0"

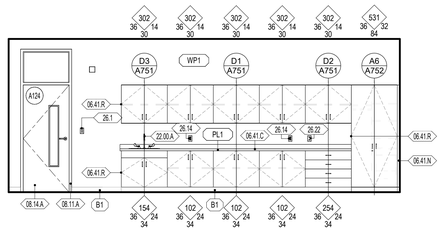


C4 A409 **A125 - CLASSROOM GRADE 3 - SOUTH**
1/4" = 1'-0"

C

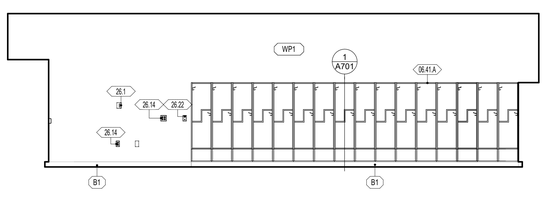


B1 A409 **A125 - CLASSROOM GRADE 3 - WEST**
1/4" = 1'-0"

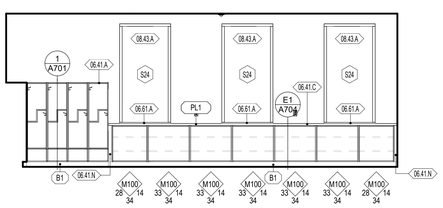


B3 A409 **A124 - CLASSROOM GRADE 5 - d**
1/4" = 1'-0"

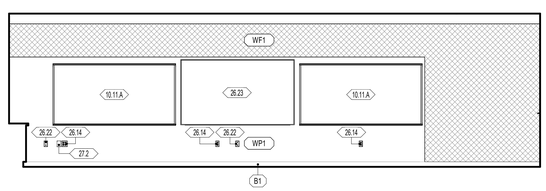
B



A1 A409 **A124 - CLASSROOM GRADE 5 - NORTH**
1/4" = 1'-0"



A3 A409 **A124 - CLASSROOM GRADE 5 - b**
1/4" = 1'-0"



A4 A409 **A124 - CLASSROOM GRADE 5 - c**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

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WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
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1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
05.50.E	05 5000 - PAINTED STEEL ACCESS LADDER
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
14.24.C	14 2400 - ELEVATOR DOOR FRAME. PROVIDED BY ELEVATOR MANUFACTURER
22.00.A	22 0000 - HAND WASH SINK. REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON. REFER TO ELECTRICAL
26.2	26 0000 - LIGHTING FIXTURE. REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD. REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX. REFER TO ELECTRICAL PLANS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET
DRAWING ISSUE
03/25/2025
ISSUE DATE
0119.002
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

INTERIOR ELEVATIONS

A409



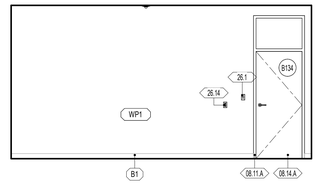
E1 A410 **A134 - ESSENTIAL ELEMENTS STORAGE - NORTH**
1/4" = 1'-0"



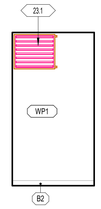
E2 A410 **A134 - ESSENTIAL ELEMENTS STORAGE - EAST**
1/4" = 1'-0"



E3 A410 **A134 - ESSENTIAL ELEMENTS STORAGE - SOUTH**
1/4" = 1'-0"

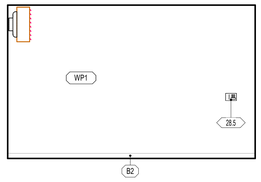


E4 A410 **A134 - ESSENTIAL ELEMENTS STORAGE - WEST**
1/4" = 1'-0"

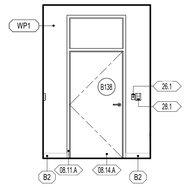


E5 A410 **B138 - FIRE RISER - NORTH**
1/4" = 1'-0"

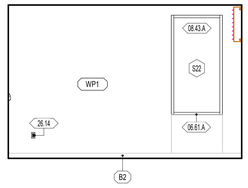
E



D1 A410 **B138 - FIRE RISER - EAST**
1/4" = 1'-0"

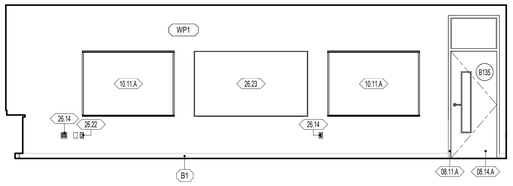


D2 A410 **B138 - FIRE RISER - SOUTH**
1/4" = 1'-0"

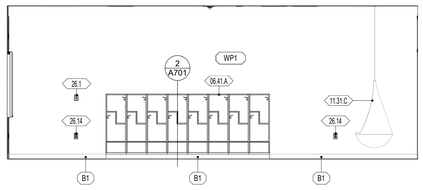


D3 A410 **B138 - FIRE RISER - WEST**
1/4" = 1'-0"

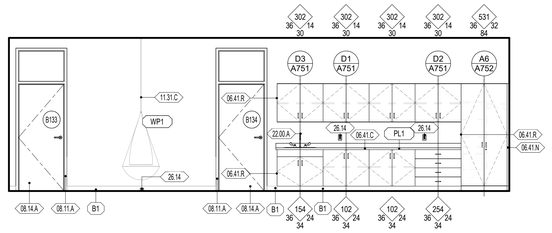
D



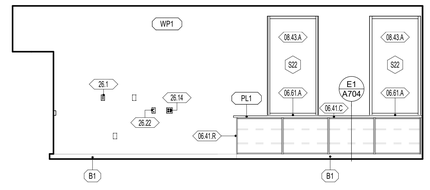
D4 A410 **B135 - ESSENTIAL ELEMENTS - WEST**
1/4" = 1'-0"



C1 A410 **B135 - ESSENTIAL ELEMENTS - NORTH**
1/4" = 1'-0"

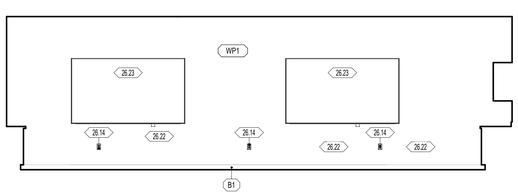


C3 A410 **B135 - ESSENTIAL ELEMENTS - EAST**
1/4" = 1'-0"

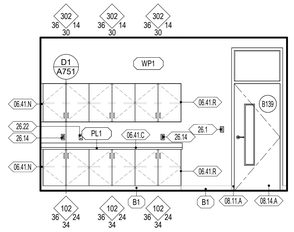


C4 A410 **B135 - ESSENTIAL ELEMENTS - SOUTH**
1/4" = 1'-0"

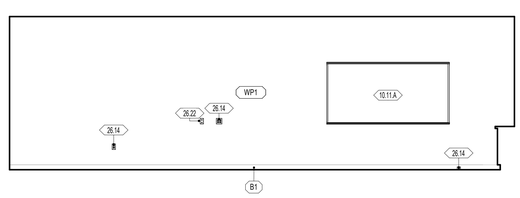
C



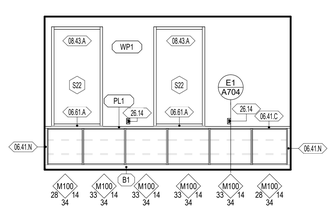
B1 A410 **B139 - RESOURCE - NORTH**
1/4" = 1'-0"



B3 A410 **B139 - RESOURCE - EAST**
1/4" = 1'-0"

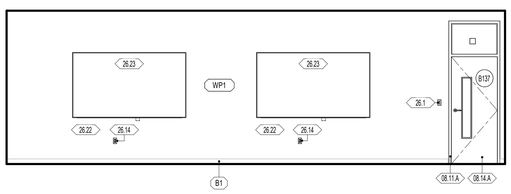


B4 A410 **B139 - RESOURCE - SOUTH**
1/4" = 1'-0"

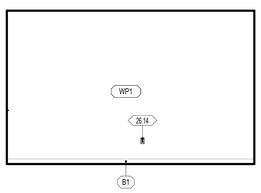


B5 A410 **B139 - RESOURCE - WEST**
1/4" = 1'-0"

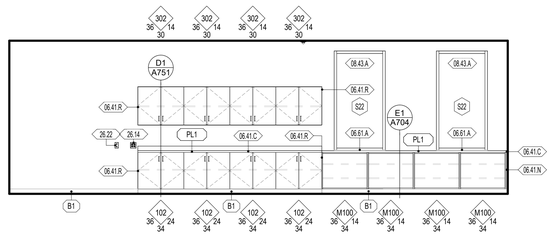
B



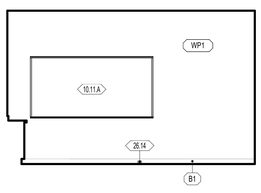
A1 A410 **B137 - RESOURCE - NORTH**
1/4" = 1'-0"



A3 A410 **B137 - RESOURCE - EAST**
1/4" = 1'-0"



A4 A410 **B137 - RESOURCE - SOUTH**
1/4" = 1'-0"



A5 A410 **B137 - RESOURCE - WEST**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED
11.31.C	11 3100 - OWNER FURNISHED OWNER INSTALLED EQUIPMENT
22.00.A	22 0000 - HAND WASH SINK. REFER TO PLUMBING DRAWINGS
23.1	23 0000 - MECHANICAL EQUIPMENT/DUCT. REFER TO MECHANICAL PLANS
26.1	26 0000 - UV BUTTON. REFER TO ELECTRICAL
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
28.1	28 0000 - FIRE ALARM DEVICE (EXPOSED). REFER TO ELECTRICAL DRAWINGS & SPECIFICATION
28.5	28 0000 - FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

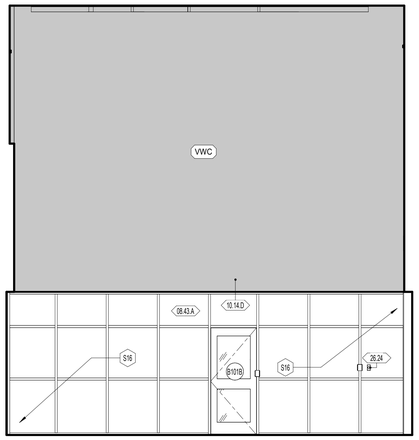
BID SET 03/25/2025
DRAWING ISSUE
ISSUE DATE
NWL PROJECT 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

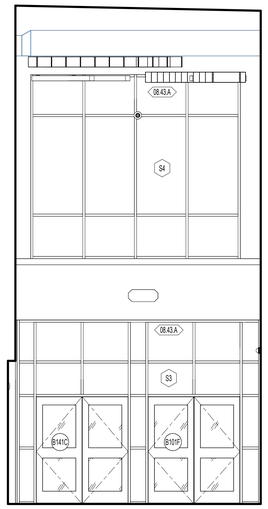
DATE REVISION

INTERIOR ELEVATIONS

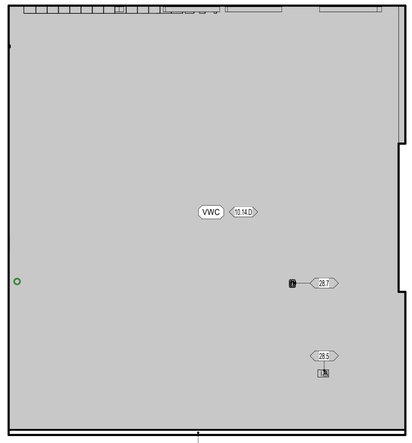
A410



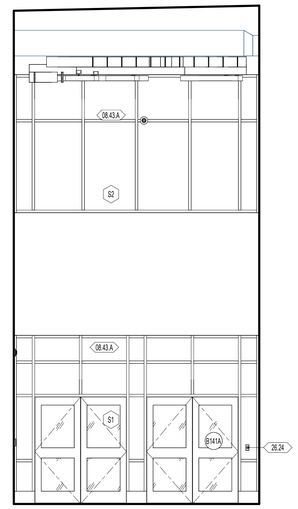
D1 A411 **B141 - MAIN ENTRY VESTIBULE - NORTH**
1/4" = 1'-0"



D2 A411 **B141 - MAIN ENTRY VESTIBULE - EAST**
1/4" = 1'-0"

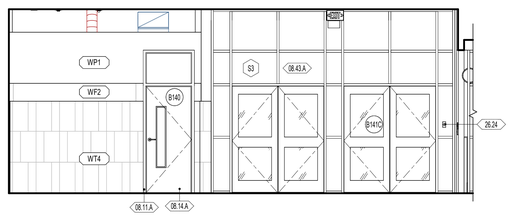


D3 A411 **B141 - MAIN ENTRY VESTIBULE - SOUTH**
1/4" = 1'-0"

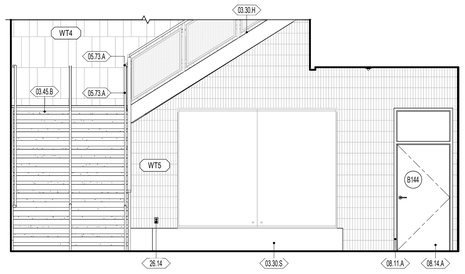


D4 A411 **B141 - MAIN ENTRY VESTIBULE - WEST**
1/4" = 1'-0"

D

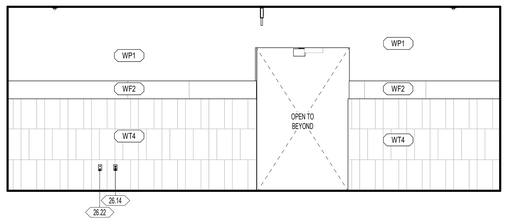


C1 A411 **B142 - ENTRY B1 - WEST**
1/4" = 1'-0"



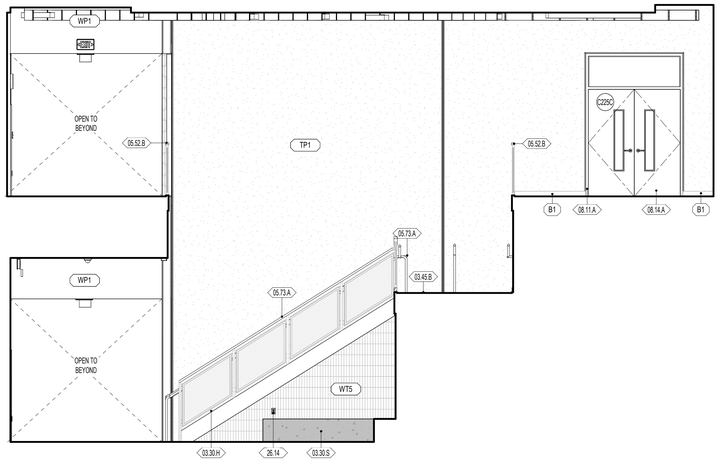
C3 A411 **B142 - ENTRY B1 - EAST**
1/4" = 1'-0"

C

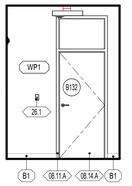


B1 A411 **B142 - ENTRY B1 - SOUTH**
1/4" = 1'-0"

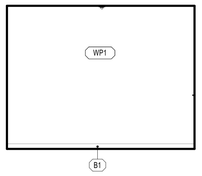
B



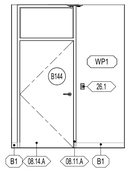
B4 A411 **B142 - ENTRY B1 - NORTH**
1/4" = 1'-0"



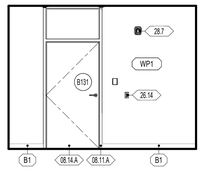
A1 A411 **B144 - VESTIBULE - EAST**
1/4" = 1'-0"



A2 A411 **B144 - VESTIBULE - SOUTH**
1/4" = 1'-0"



A3 A411 **B144 - VESTIBULE - WEST**
1/4" = 1'-0"



A4 A411 **B144 - VESTIBULE - NORTH**
1/4" = 1'-0"

A

1 2 3 4 5 6

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WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

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3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.H	03 3000 - REINFORCED CONCRETE STAIRS, ARCHITECTURAL FINISH, REFER TO STRUCTURAL DRAWINGS
03.30.S	03 3000 - REINFORCED CONCRETE BENCH OVER GEOFOAM
03.45.B	03 4500 - PRECAST COLORED CONCRETE STAIR TREAD AS DETAILED, REFER TO DETAIL 12/A313
05.52.B	
05.73.A	05 7300 - DECORATIVE METAL RAILINGS, REFER TO STAIR DETAILS FOR ADDITIONAL INFORMATION
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
10.14.D	10 1425 - WALL GRAPHIC
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.24	26 0000 - POWER BUTTON, REFER TO ELECTRICAL
28.5	28 0000 - FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

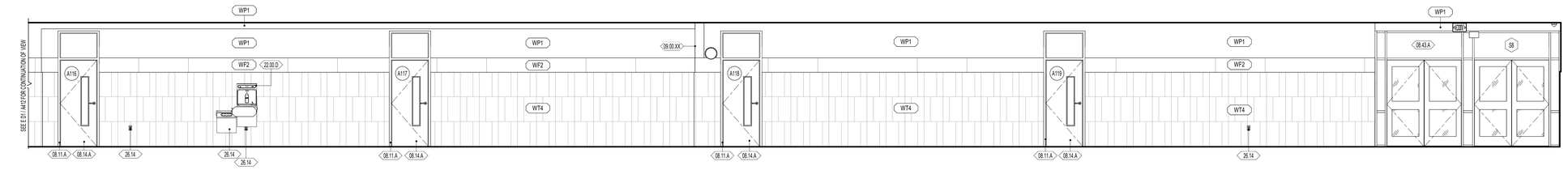
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

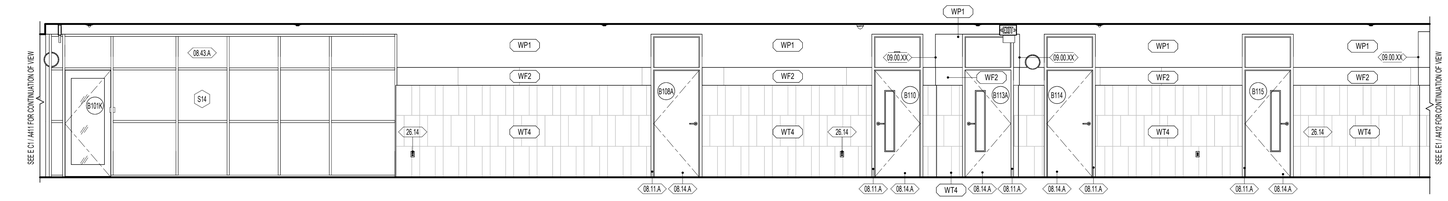
△ DATE REVISION

INTERIOR ELEVATIONS

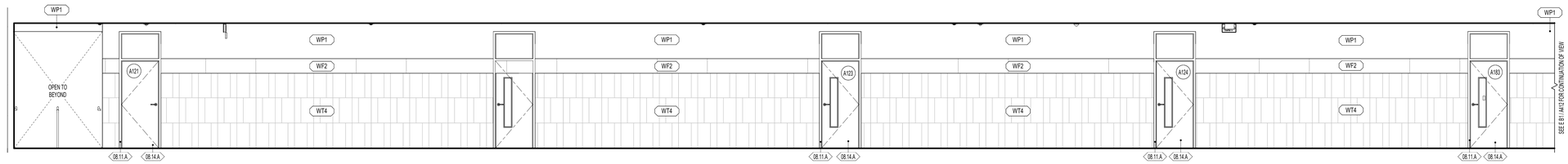
A411



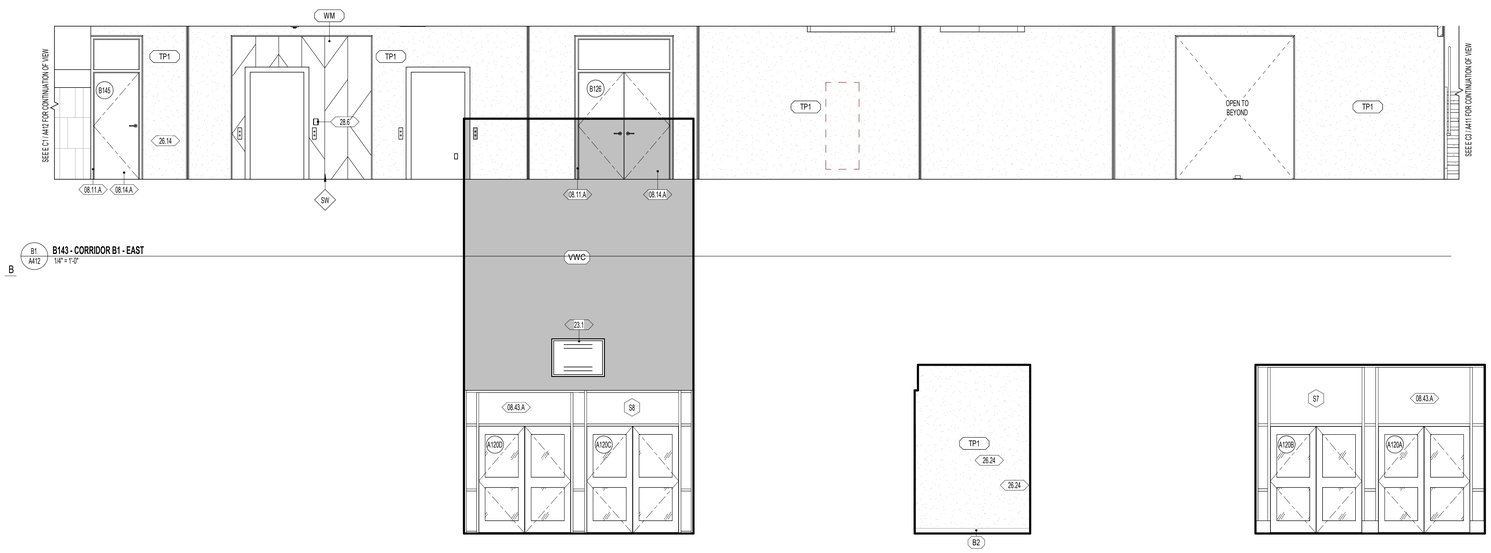
E1 / A412 **A143 - CORRIDOR A1 - WEST**
1/4" = 1'-0"



D1 / A412 **B142 - CORRIDOR B1 - WEST**
1/4" = 1'-0"



C1 / A412 **A143 - CORRIDOR A1 - EAST**
1/4" = 1'-0"



B1 / A412 **B143 - CORRIDOR B1 - EAST**
1/4" = 1'-0"

A2 / A412 **A120 - ENTRY A1 - EAST**
1/4" = 1'-0"

A3 / A412 **A120 - ENTRY A1 - SOUTH**
1/4" = 1'-0"

A4 / A412 **A120 - ENTRY A1 - WEST**
1/4" = 1'-0"

A5 / A412 **A120 - ENTRY A1 - NORTH**
1/4" = 1'-0"

A
1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

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DIVISION
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SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

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WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
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WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
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1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
22.00.D	22 0000 - DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
23.1	23 0000 - MECHANICAL EQUIPMENT/DUCT. REFER TO MECHANICAL PLANS
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.24	26 0000 - POWER BUTTON. REFER TO ELECTRICAL
28.6	28 0000 - SECURITY CREDENTIALS PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

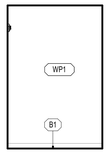
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0118.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

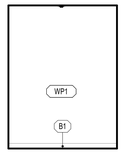
△ DATE REVISION

INTERIOR ELEVATIONS

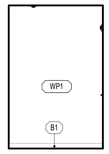
A412



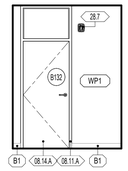
E1 / A413 B132 - TIMEOUT ROOM - NORTH
1/4" = 1'-0"



E2 / A413 B132 - TIMEOUT ROOM - EAST
1/4" = 1'-0"

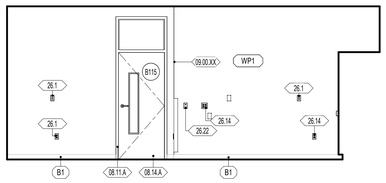


E3 / A413 B132 - TIMEOUT ROOM - SOUTH
1/4" = 1'-0"

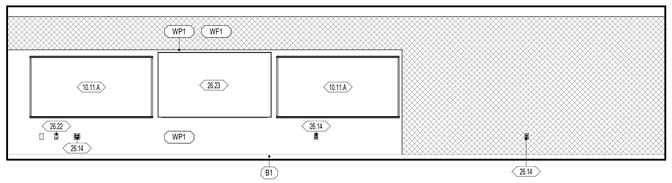


E4 / A413 B132 - TIMEOUT ROOM -WEST
1/4" = 1'-0"

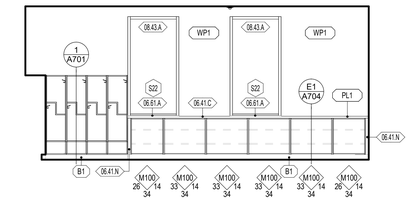
E



D1 / A413 B115 - CLASSROOM GRADE 3 - b
1/4" = 1'-0"

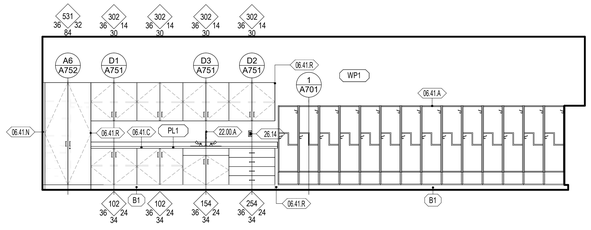


D3 / A413 B115 - CLASSROOM GRADE 3 - NORTH
1/4" = 1'-0"

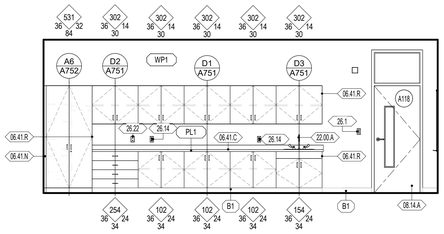


D4 / A413 B115 - CLASSROOM GRADE 3 - WEST
1/4" = 1'-0"

D

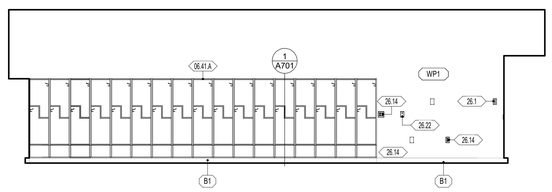


C1 / A413 B115 - CLASSROOM GRADE 3 - SOUTH
1/4" = 1'-0"

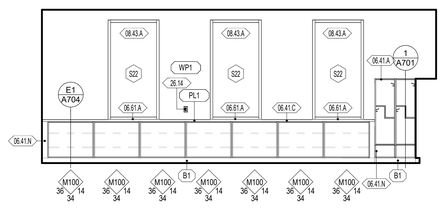


C3 / A413 A118 - CLASSROOM GRADE 4 - EAST
1/4" = 1'-0"

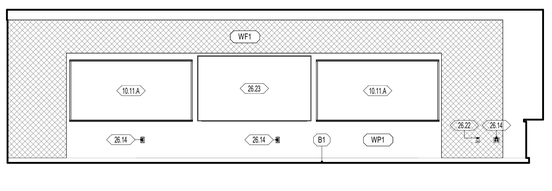
C



B1 / A413 A118 - CLASSROOM GRADE 4 - NORTH
1/4" = 1'-0"

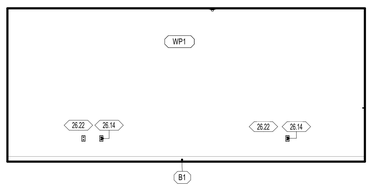


B3 / A413 A118 - CLASSROOM GRADE 4 - WEST
1/4" = 1'-0"

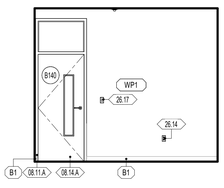


B5 / A413 A118 - CLASSROOM GRADE 4 - SOUTH
1/4" = 1'-0"

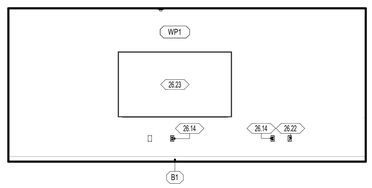
B



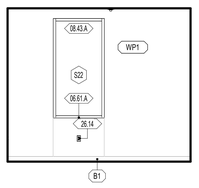
A1 / A413 B140 - SPL OFFICE - NORTH
1/4" = 1'-0"



A2 / A413 B140 - SPL OFFICE - EAST
1/4" = 1'-0"



A3 / A413 B140 - SPL OFFICE - SOUTH
1/4" = 1'-0"



A4 / A413 B140 - SPL OFFICE - WEST
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORERFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

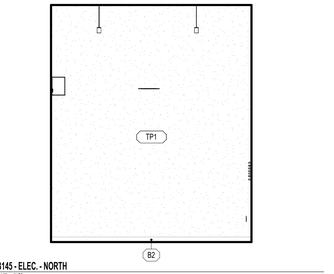
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

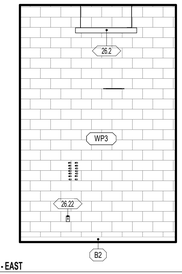
△ DATE REVISION

INTERIOR ELEVATIONS

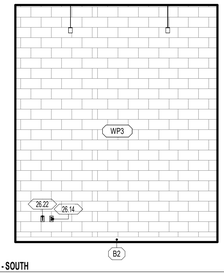
A413



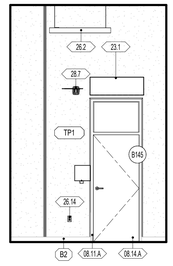
D1 A414 **B145 - ELEC. - NORTH**
1/4" = 1'-0"



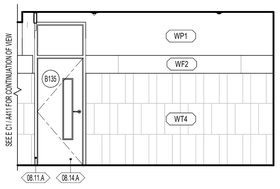
D2 A414 **B145 - ELEC. - EAST**
1/4" = 1'-0"



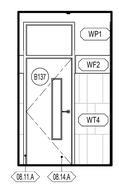
D3 A414 **B145 - ELEC. - SOUTH**
1/4" = 1'-0"



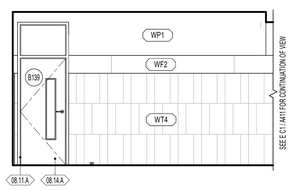
D4 A414 **B145 - ELEC. - WEST**
1/4" = 1'-0"



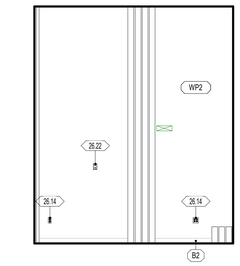
C1 A414 **B136 - HALL - EAST**
1/4" = 1'-0"



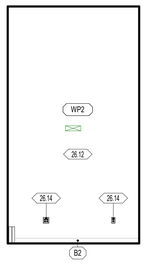
C2 A414 **B136 - HALL - SOUTH**
1/4" = 1'-0"



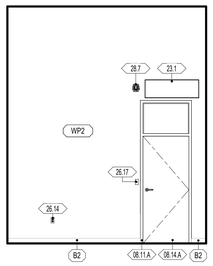
C3 A414 **B136 - HALL - WEST**
1/4" = 1'-0"



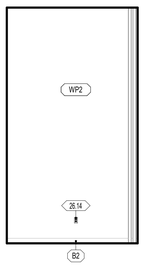
B1 A414 **B114 - MDF - WEST**
1/4" = 1'-0"



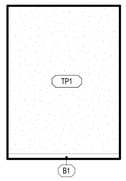
B2 A414 **B114 - MDF - NORTH**
1/4" = 1'-0"



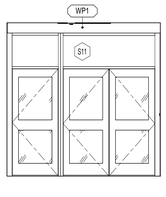
B3 A414 **B114 - EAST MDF**
1/4" = 1'-0"



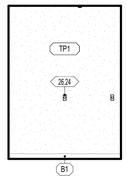
B4 A414 **B114 - MDF - SOUTH**
1/4" = 1'-0"



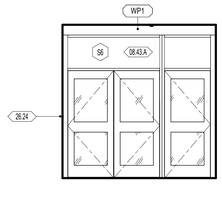
A1 A414 **C250 - ENTRY C2 - SOUTH**
1/4" = 1'-0"



A2 A414 **C250 - ENTRY C2 - WEST**
1/4" = 1'-0"



A3 A414 **C250 - ENTRY C2 - NORTH**
1/4" = 1'-0"



A4 A414 **C250 - ENTRY C2 - EAST**
1/4" = 1'-0"

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
00.00.XX KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
A101A DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
W1 WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
23.1	23 0000 - MECHANICAL EQUIPMENT/DUCT. REFER TO MECHANICAL PLANS
26.2	26 0000 - LIGHTING FIXTURE. REFER TO ELECTRICAL DRAWINGS
26.12	26 0000 - DATA RACK. REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
26.24	26 0000 - POWER BUTTON. REFER TO ELECTRICAL
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

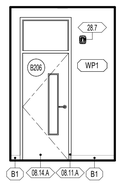
△ DATE REVISION

INTERIOR ELEVATIONS

A414



E1 / A415 **B206 - TIME OUT - NORTH**
1/4" = 1'-0"



E2a / A415 **B206 - TIME OUT - EAST**
1/4" = 1'-0"

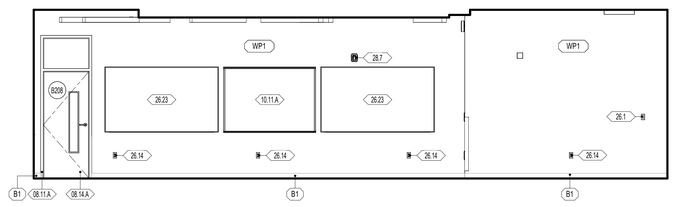


E2b / A415 **B206 - TIME OUT - SOUTH**
1/4" = 1'-0"

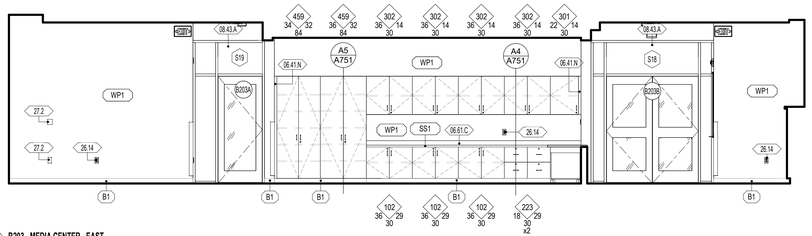


E3c / A415 **B206 - TIME OUT - WEST**
1/4" = 1'-0"

E

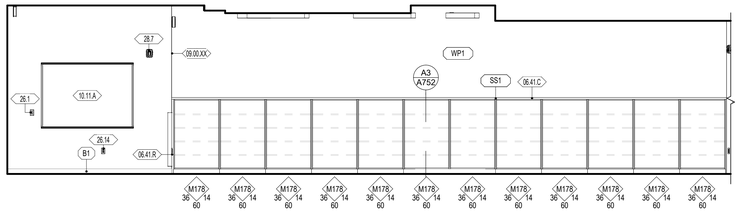


D1 / A415 **B203 - MEDIA CENTER - NORTH**
1/4" = 1'-0"

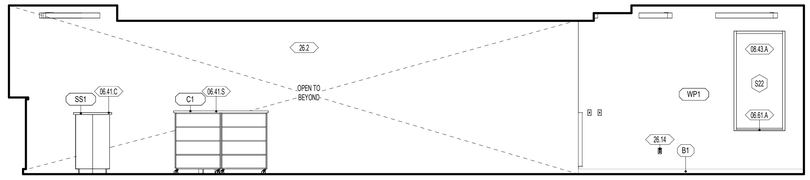


D3 / A415 **B203 - MEDIA CENTER - EAST**
1/4" = 1'-0"

D

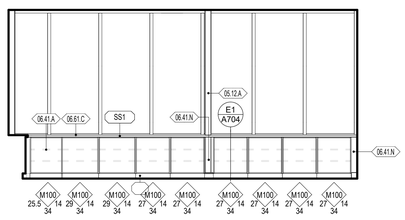


C1 / A415 **B203 - MEDIA CENTER - SOUTH**
1/4" = 1'-0"

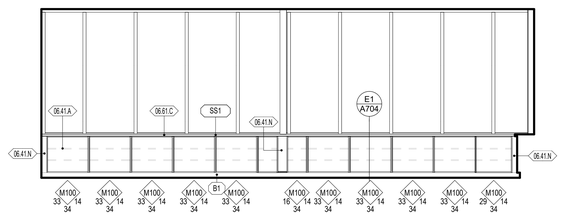


E3a / A415 **B203 - MEDIA CENTER - WEST**
1/4" = 1'-0"

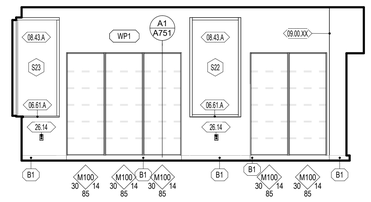
C



B1 / A415 **A203 - MEDIA CENTER -G**
1/4" = 1'-0"

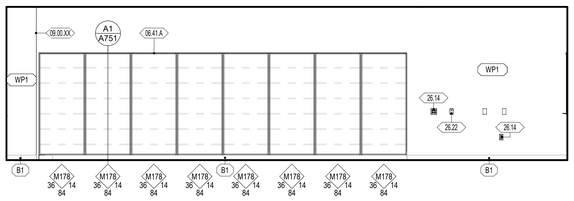


B2 / A415 **A203 - MEDIA CENTER - G**
1/4" = 1'-0"

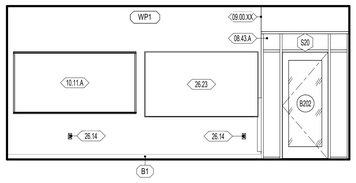


B4 / A415 **B202 - READING FACILITATOR - WEST**
1/4" = 1'-0"

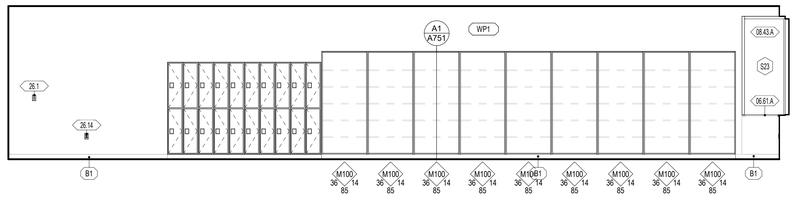
B



A1 / A415 **B202 - READING FACILITATOR - NORTH**
1/4" = 1'-0"



A3 / A415 **B202 - READING FACILITATOR - EAST**
1/4" = 1'-0"



A4 / A415 **B202 - READING FACILITATOR - SOUTH**
1/4" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
00.00.XX KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
A101A DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
W1 WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
05.12.A	05 1200 - STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.41.S	06 4100 - MOBILE BOOKSHELF CABINET
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
06.61.C	06 6116 - SOLID SURFACE COUNTERTOP, NO BACKSPLASH
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
26.1	26 0000 - LV BUTTON. REFER TO ELECTRICAL
26.2	26 0000 - LIGHTING FIXTURE. REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD. REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX. REFER TO ELECTRICAL PLANS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

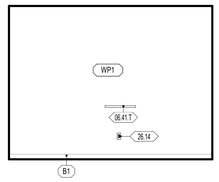
BID SET
DRAWING ISSUE
03/25/2025
ISSUE DATE
0119.002
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND
ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

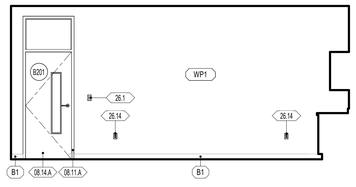
DATE REVISION

INTERIOR ELEVATIONS

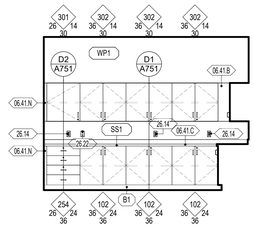
A415



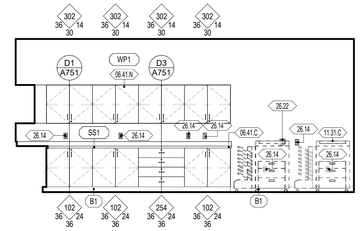
E1 A416 **B201 - ADMIN WORKROOM - NORTH**
1/4" = 1'-0"



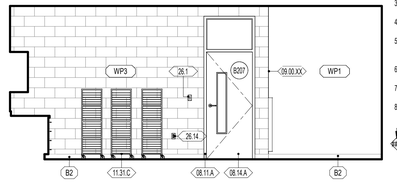
E2 A416 **B201 - ADMIN WORKROOM - EAST**
1/4" = 1'-0"



E3 A416 **B201 - ADMIN WORKROOM - SOUTH**
1/4" = 1'-0"



E4 A416 **B201 - ADMIN WORKROOM - WEST**
1/4" = 1'-0"



D2 A416 **B207 - ART STORAGE - NORTH**
1/4" = 1'-0"

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WT1 — WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
00.00.XX — KEYNOTE MARKER
SECTION SEQUENCE
SECTION

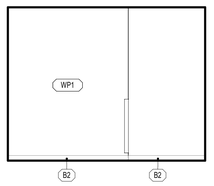
DOOR TYPE
A101A — DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
W1 — WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

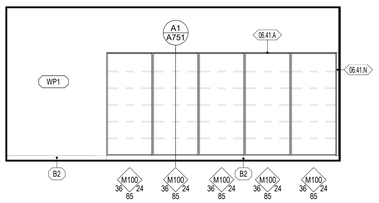
WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

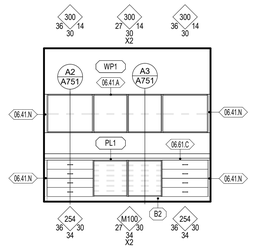
1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION



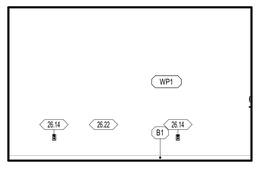
D3 A416 **B207 - ART STORAGE - EAST**
1/4" = 1'-0"



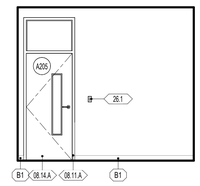
D4 A416 **B207 - ART STORAGE - SOUTH**
1/4" = 1'-0"



D5 A416 **B207 - ART STORAGE - WEST**
1/4" = 1'-0"



C1 A416 **B205 - ESL - NORTH**
1/4" = 1'-0"



C2 A416 **B205 - ESL - EAST**
1/4" = 1'-0"

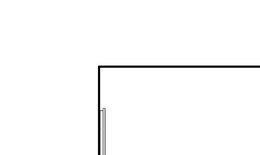
BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

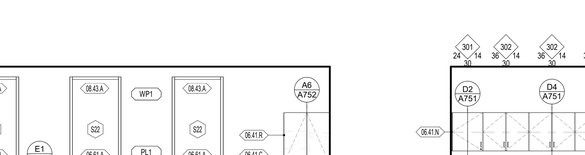
NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.B	06 4100 - EPOXY RESIN COUNTERTOPS CHEMICAL RESISTANT
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK.
06.41.T	06 4100 - SIGN IN PLASTIC LAMINATE SHELF
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
06.61.C	06 6116 - SOLID SURFACE COUNTERTOP, NO BACKSPLASH
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
11.31.C	11 3100 - OWNER FURNISHED OWNER INSTALLED EQUIPMENT
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
22.00.C	22 0000 - ADA HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS

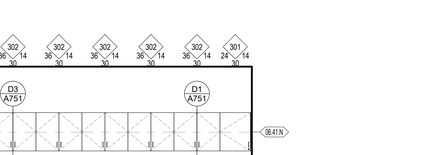


C3 A416 **B205 - ESL - SOUTH**
1/4" = 1'-0"

C4 A416 **B205 - ESL - WEST**
1/4" = 1'-0"

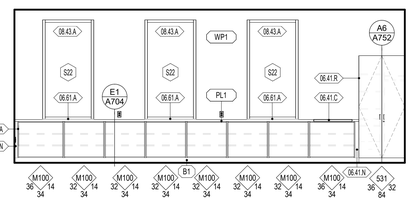


B1 A416 **A210 - COMPUTER LAB - NORTH**
1/4" = 1'-0"



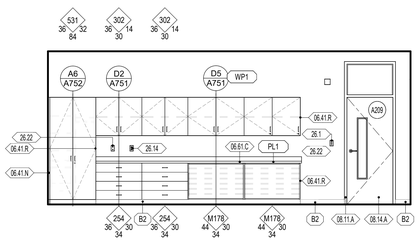
B3 A416 **A210 - COMPUTER LAB - EAST**
1/4" = 1'-0"

B4 A416 **A210 - COMPUTER LAB - SOUTH**
1/4" = 1'-0"

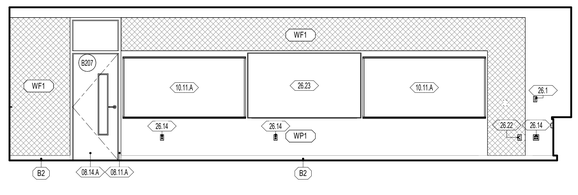


B6 A416 **A210 - COMPUTER LAB - WEST**
1/4" = 1'-0"

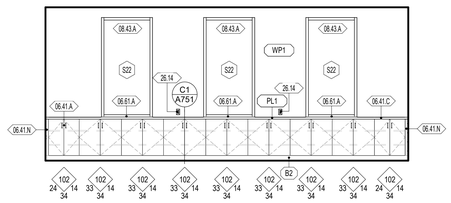
A1 A416 **A209 - ART CLASSROOM - NORTH**
1/4" = 1'-0"



A3 A416 **A209 - ART CLASSROOM - EAST**
1/4" = 1'-0"



A4 A416 **A209 - ART CLASSROOM - SOUTH**
1/4" = 1'-0"



A6 A416 **A209 - ART CLASSROOM - WEST**
1/4" = 1'-0"

naylor wentworth lund
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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

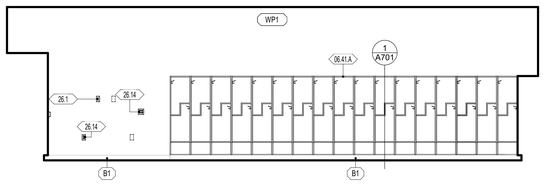
BID SET 03/25/2025
DRAWING ISSUE
ISSUE DATE
0119.002
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

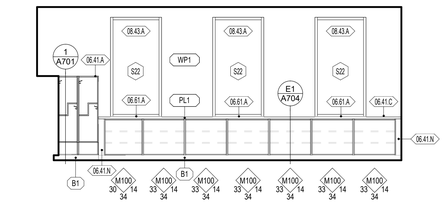
△ DATE REVISION

INTERIOR ELEVATIONS

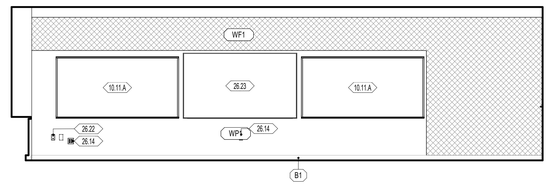
A416



D1 A417 **A214 - CLASSROOM GRADE 1 - NORTH**
1/4" = 1'-0"

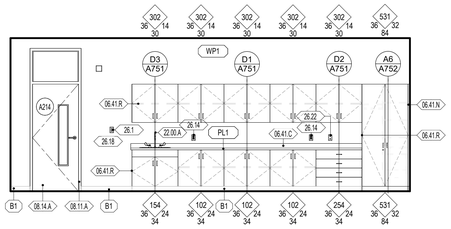


D3 A417 **A214 - CLASSROOM GRADE 1 - EAST**
1/4" = 1'-0"

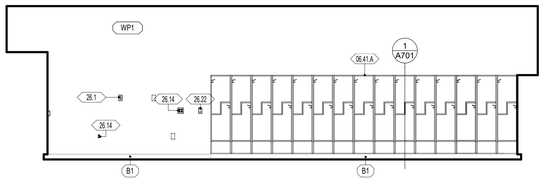


D4 A417 **A214 - CLASSROOM GRADE 1 - SOUTH**
1/4" = 1'-0"

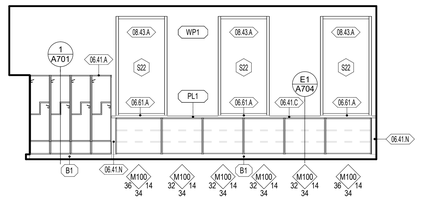
E



D6 A417 **A214 - CLASSROOM GRADE 1 - WEST**
1/4" = 1'-0"

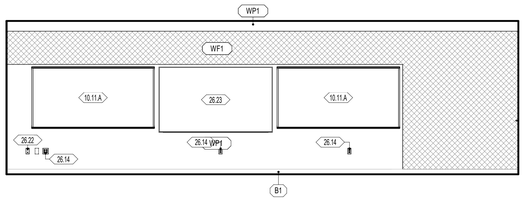


C1 A417 **A213 - CLASSROOM GRADE 2 - NORTH**
1/4" = 1'-0"

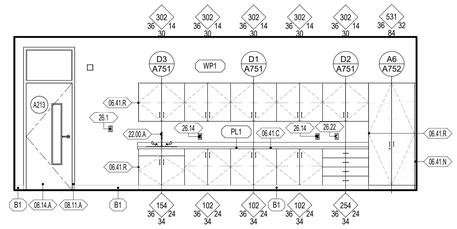


C3 A417 **A213 - CLASSROOM GRADE 2 - EAST**
1/4" = 1'-0"

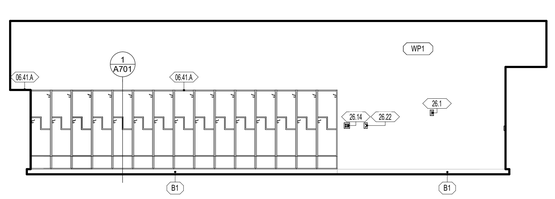
C



C4 A417 **A213 - CLASSROOM GRADE 2 - SOUTH**
1/4" = 1'-0"

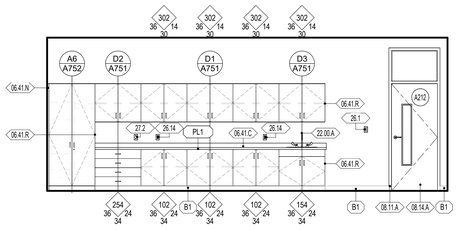


C5 A417 **A213 - CLASSROOM GRADE 2 - WEST**
1/4" = 1'-0"

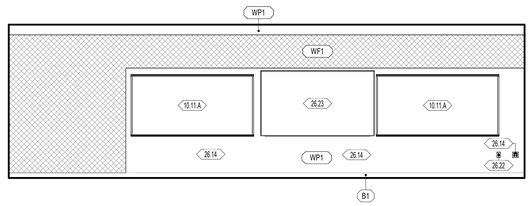


B1 A417 **A212 - CLASSROOM GRADE 2 - NORTH**
1/4" = 1'-0"

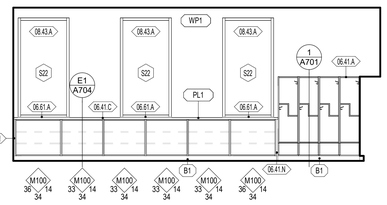
B



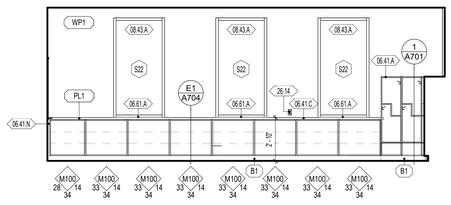
B3 A417 **A212 - CLASSROOM GRADE 2 - EAST**
1/4" = 1'-0"



B4 A417 **A212 - CLASSROOM GRADE 2 - SOUTH**
1/4" = 1'-0"

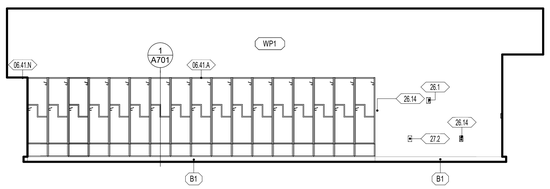


B6 A417 **A212 - CLASSROOM GRADE 2 - WEST**
1/4" = 1'-0"

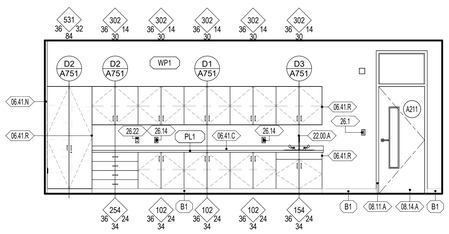


A6 A417 **A211 - CLASSROOM GRADE 2 - WEST**
1/4" = 1'-0"

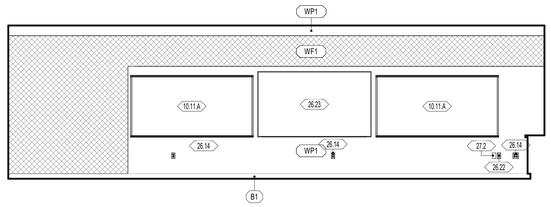
A



A1 A417 **A211 - CLASSROOM GRADE 2 - NORTH**
1/4" = 1'-0"



A3 A417 **A211 - CLASSROOM GRADE 2 - EAST**
1/4" = 1'-0"



A4 A417 **A211 - CLASSROOM GRADE 2 - SOUTH**
1/4" = 1'-0"

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORERFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION, REFER TO ELECTRICAL
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS

naylor wentworth lund
architects

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

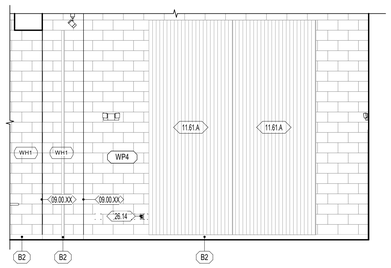
DRAWING ISSUE — BID SET
ISSUE DATE — 02/25/2025
NWL PROJECT — 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

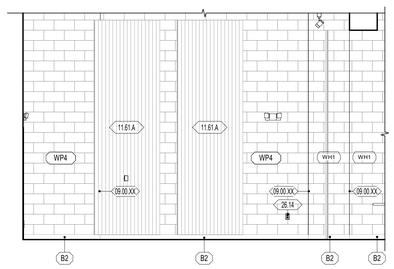
DATE REVISION

INTERIOR ELEVATIONS

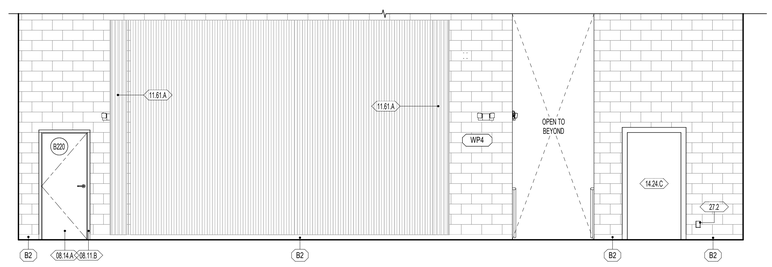
A417



E1 A418 **B219 - STAGE PLATFORM - SOUTH**
1/4" = 1'-0"

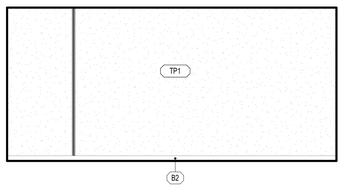


E2 A418 **B219 - STAGE PLATFORM - NORTH**
1/4" = 1'-0"

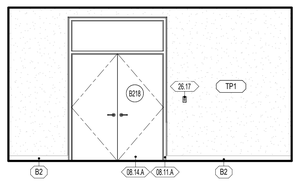


E4 A418 **B219 - STAGE PLATFORM - WEST**
1/4" = 1'-0"

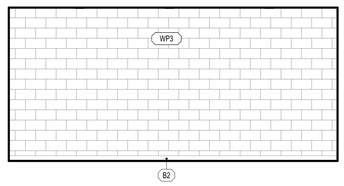
E



D1 A418 **A218 - MULTIPURPOSE STORAGE - NORTH**
1/4" = 1'-0"

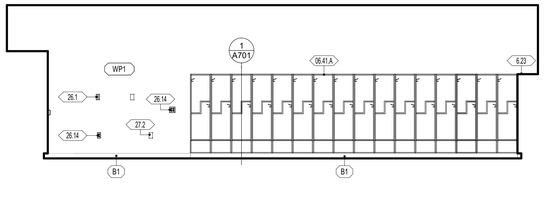


D2 A418 **A218 - MULTIPURPOSE STORAGE - EAST**
1/4" = 1'-0"

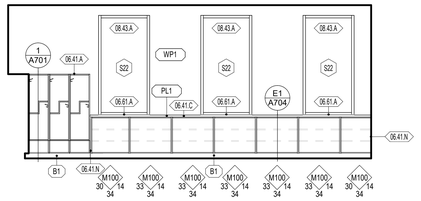


D3 A418 **A218 - MULTIPURPOSE STORAGE - SOUTH**
1/4" = 1'-0"

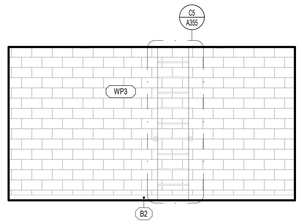
D



C1 A418 **A216 - CLASSROOM GRADE 1 - NORTH**
1/4" = 1'-0"

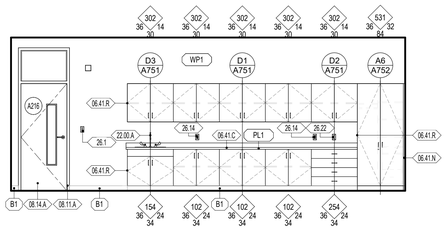


C3 A418 **A216 - CLASSROOM GRADE 1 - EAST**
1/4" = 1'-0"

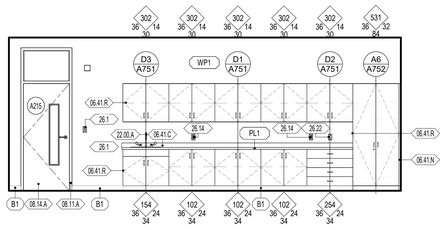


C4 A418 **A218 - MULTIPURPOSE STORAGE - WEST**
1/4" = 1'-0"

C

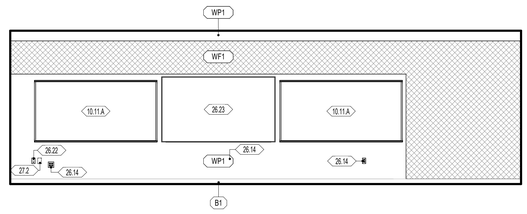


B1 A418 **A216 - CLASSROOM GRADE 1 - WEST**
1/4" = 1'-0"

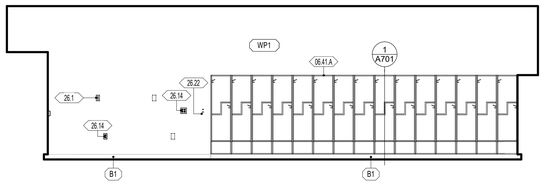


B2 A418 **A215 - CLASSROOM GRADE 1 - WEST**
1/4" = 1'-0"

B

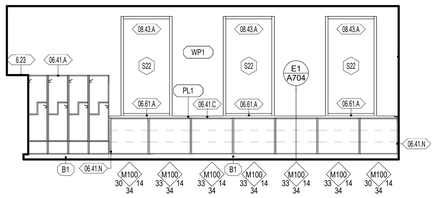


C4 A418 **A216 - CLASSROOM GRADE 1 - SOUTH**
1/4" = 1'-0"

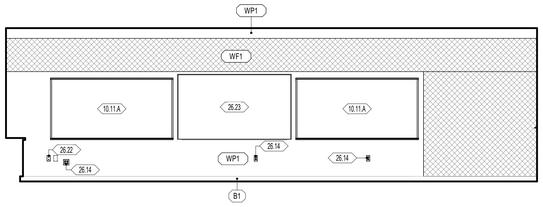


A1 A418 **A215 - CLASSROOM GRADE 1 - NORTH**
1/4" = 1'-0"

A



A3 A418 **A215 - CLASSROOM GRADE 1 - EAST**
1/4" = 1'-0"



A4 A418 **A215 - CLASSROOM GRADE 1 - SOUTH**
1/4" = 1'-0"

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
6.23	
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK.
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.11.B	08 1113 - HOLLOW METAL DOOR, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
11.61.A	11 6143 - PLATFORM RIGGING AND CURTAINS. REFER TO SPECIFICATION
14.24.C	14 2400 - ELEVATOR DOOR FRAME, PROVIDED BY ELEVATOR MANUFACTURER
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS.
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

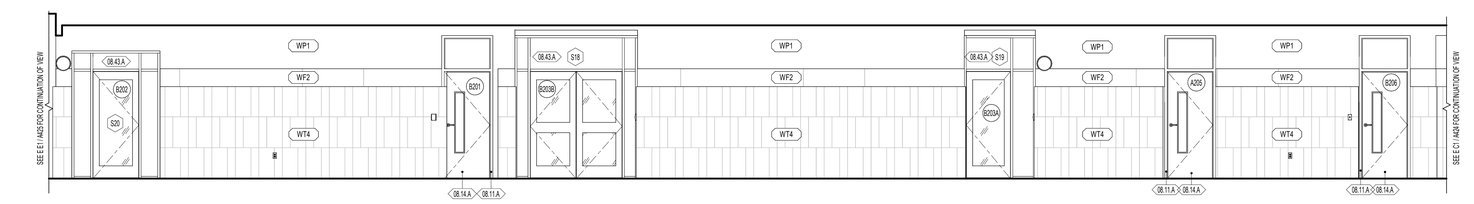
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#3139164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

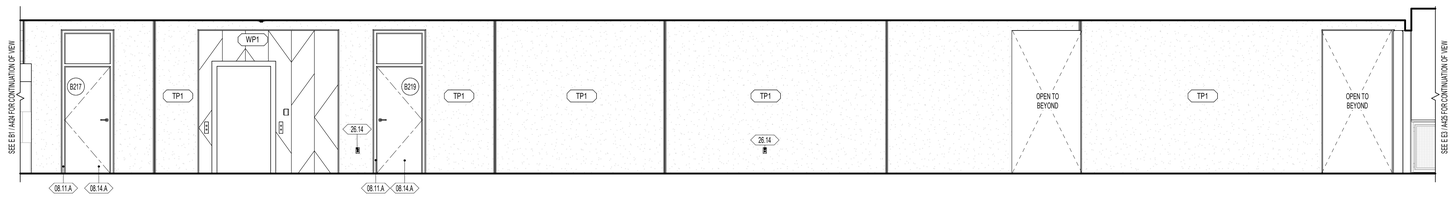
INTERIOR ELEVATIONS

A418



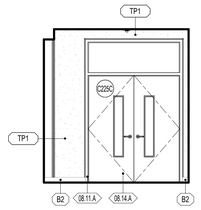
E1 A419 **A248- CENTER CORRIDOR - WEST**
1/4" = 1'-0"

E

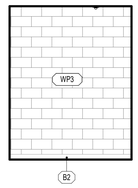


D1 A419 **A248 - CENTER CORRIDOR - EAST**
1/4" = 1'-0"

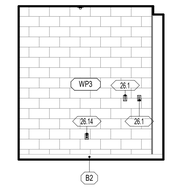
D



C1 A419 **B227 - GYM ENTRANCE - SOUTH**
1/4" = 1'-0"

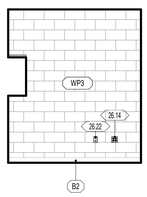


C2 A419 **B227 - GYM ENTRANCE - WEST**
1/4" = 1'-0"

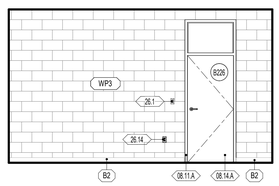


C3 A419 **B227 - GYM ENTRANCE - NORTH**
1/4" = 1'-0"

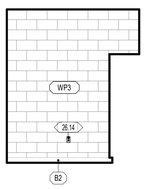
C



B1 A419 **B226 - GYM STORAGE - NORTH**
1/4" = 1'-0"

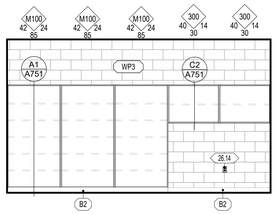


B2 A419 **B226 - GYM STORAGE - EAST**
1/4" = 1'-0"

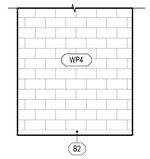


B3 A419 **B226 - GYM STORAGE - SOUTH**
1/4" = 1'-0"

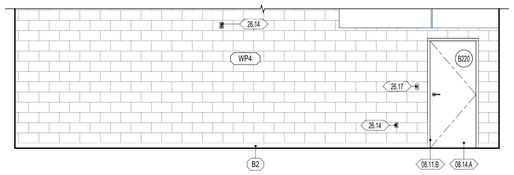
B



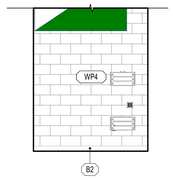
B4 A419 **B226 - GYM STORAGE - WEST**
1/4" = 1'-0"



A1 A419 **B220 - STAGE STORAGE - NORTH**
1/4" = 1'-0"

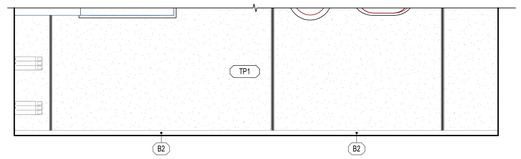


A3 A419 **B220 - STAGE STORAGE - EAST**
1/4" = 1'-0"



A4 A419 **A220 - STAGE STORAGE - SOUTH**
1/4" = 1'-0"

A



A5 A419 **B220 - STAGE STORAGE - WEST**
1/4" = 1'-0"

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
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8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
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WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
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WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
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3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.11.B	08 1113 - HOLLOW METAL DOOR, REFER TO SCHEDULES AND DETAILS
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26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
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26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

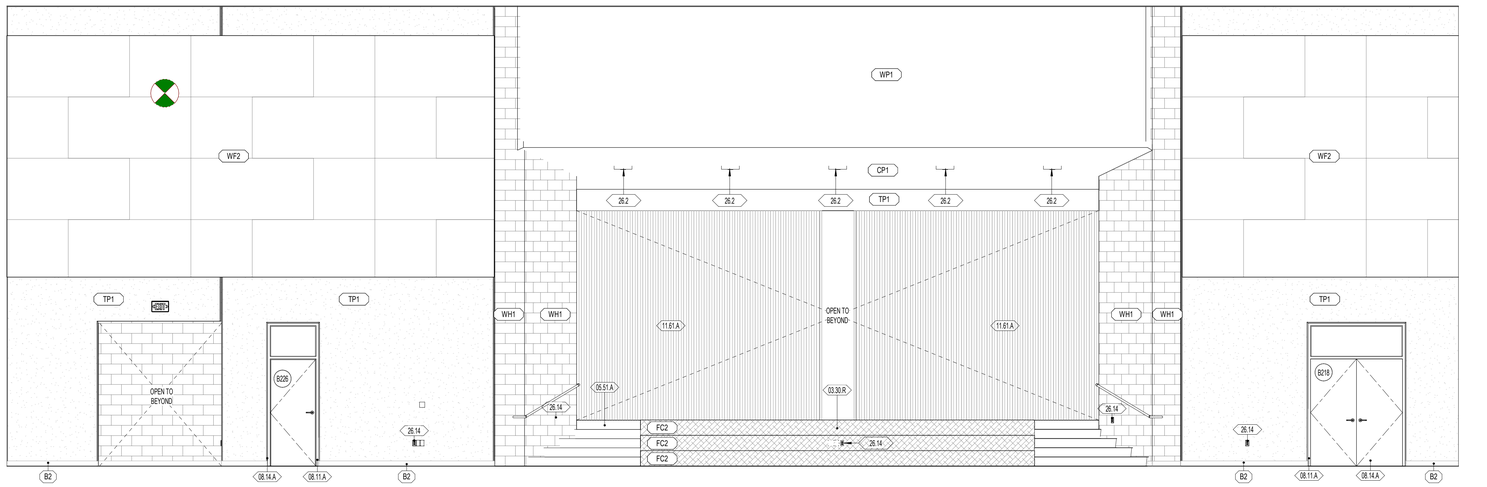
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

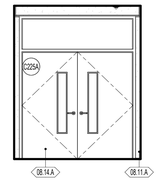
DATE REVISION

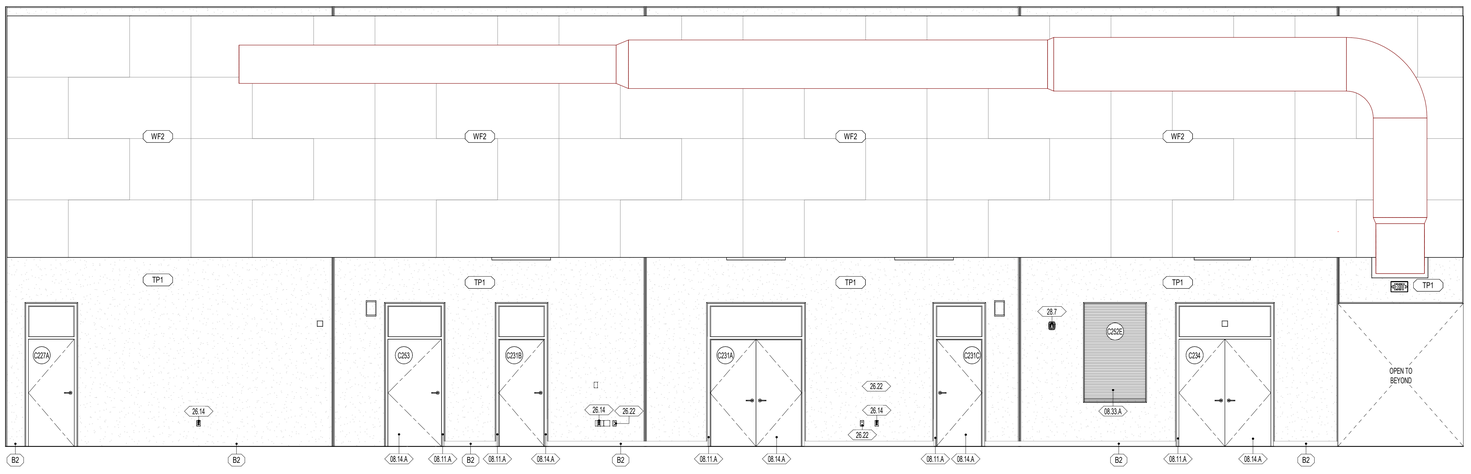
INTERIOR ELEVATIONS

A419



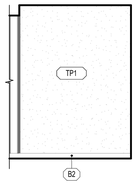
D1 A420 **C225 - MULTIPURPOSE ROOM - WEST**
1/4" = 1'-0"



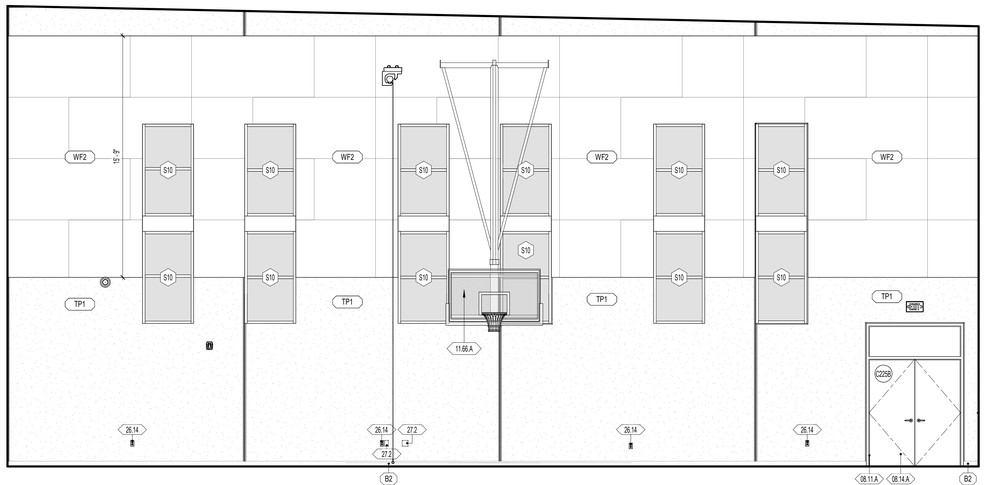


B1 A420 **C225 - MULTIPURPOSE ROOM - EAST**
1/4" = 1'-0"

C5 A420 **C225 - MULITPURPOSE - EAST**
1/4" = 1'-0"



C6 A420 **C225 - MULITPURPOSE - NORTH**
1/4" = 1'-0"



A1 A420 **C225 - MULTIPURPOSE ROOM - NORTH**
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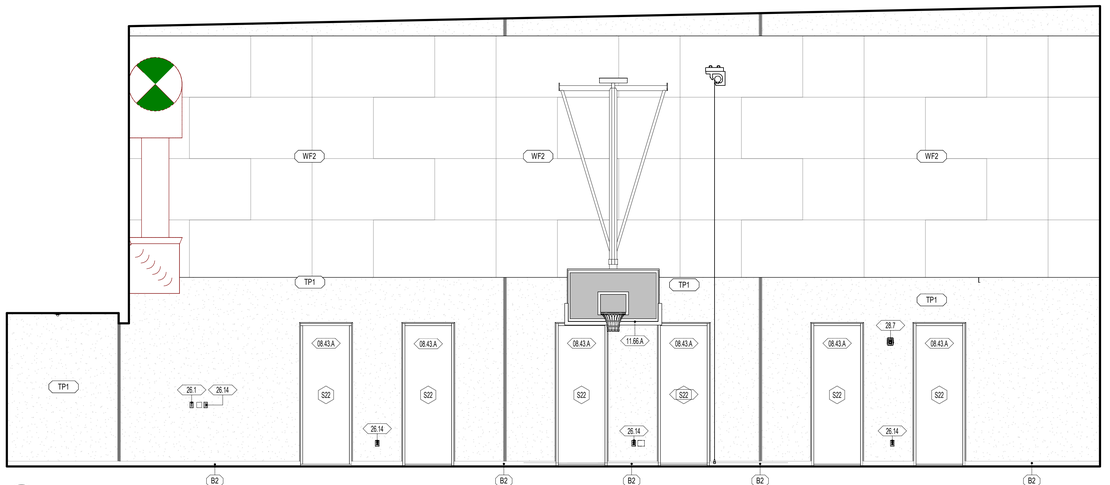

A4 A420 **C225 - MULTIPURPOSE ROOM - SOUTH**
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GENERAL NOTES - ENLARGED REFERENCE PLANS

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WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
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WALL FINISH

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WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
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WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.30.R	03 3000 - REINFORCED CONCRETE STAIR OVER GEOFOAM, REFER TO STRUCTURAL DRAWINGS
05.51.A	
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.33.A	08 3323 - OVERHEAD COILING DOOR, REFER TO SCHEDULE AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
11.61.A	11 6143 - PLATFORM RIGGING AND CURTAINS, REFER TO SPECIFICATION
11.66.A	11 6623 - MOTORIZED BASKETBALL BACKSTOP, REFER TO SPECIFICATION
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

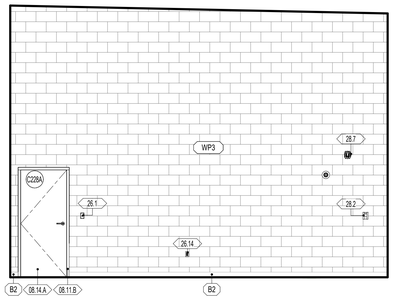
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

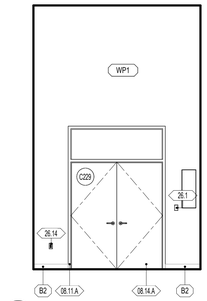
DATE	REVISION

INTERIOR ELEVATIONS

A420

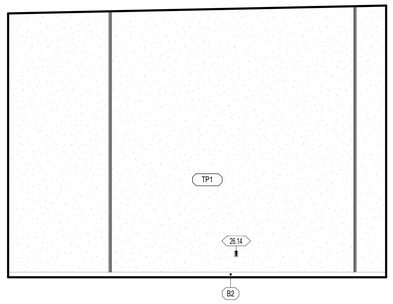


E1 A421 **C229 - MECHANICAL - NORTH**
1/4" = 1'-0"

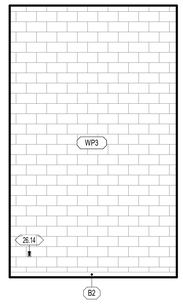


E2 A421 **C229 - MECHANICAL - EAST**
1/4" = 1'-0"

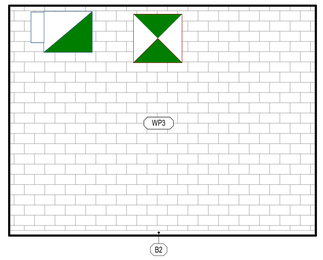
E



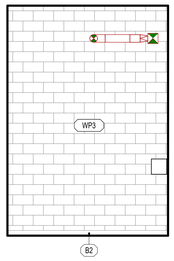
E3 A421 **C229 - MECHANICAL - SOUTH**
1/4" = 1'-0"



E4 A421 **C229 - MECHANICAL - WEST**
1/4" = 1'-0"

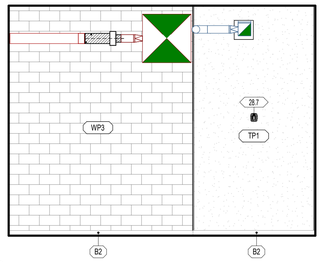


D1 A421 **C219 - STORAGE - NORTH**
1/4" = 1'-0"

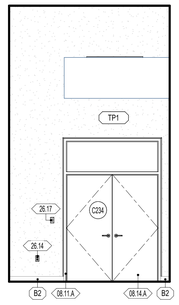


D2 A421 **C219 - STORAGE - EAST**
1/4" = 1'-0"

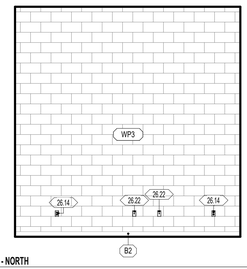
D



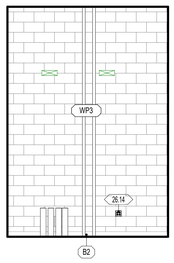
D3 A421 **C219 - STORAGE - SOUTH**
1/4" = 1'-0"



D4 A421 **C219 - STORAGE - WEST**
1/4" = 1'-0"

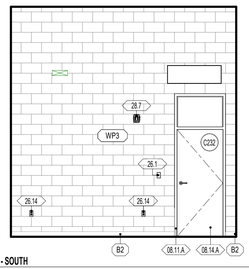


C1 A421 **C233 - IDF - NORTH**
1/4" = 1'-0"

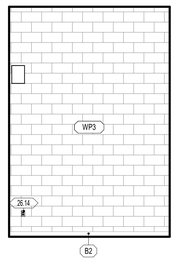


C2 A421 **C233 - IDF - EAST**
1/4" = 1'-0"

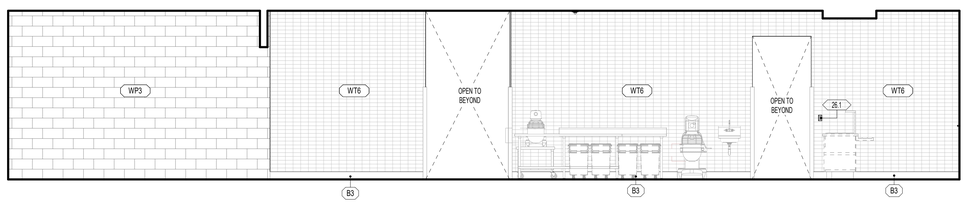
C



C3 A421 **C233 - IDF - SOUTH**
1/4" = 1'-0"

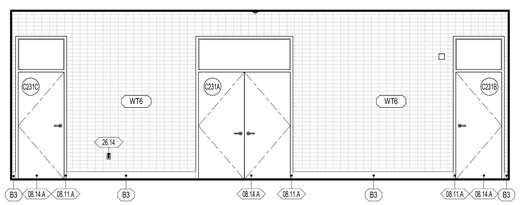


C4 A421 **C233 - IDF - WEST**
1/4" = 1'-0"

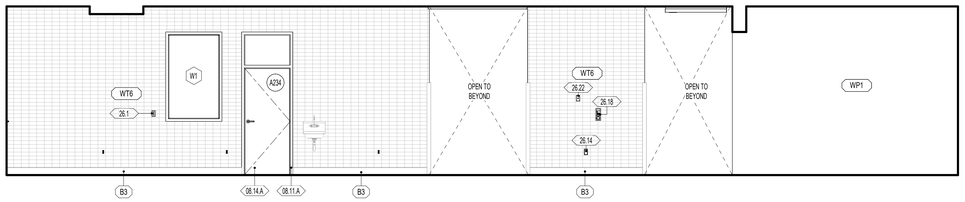


B1 A421 **C231 - KITCHEN - SOUTH**
1/4" = 1'-0"

B

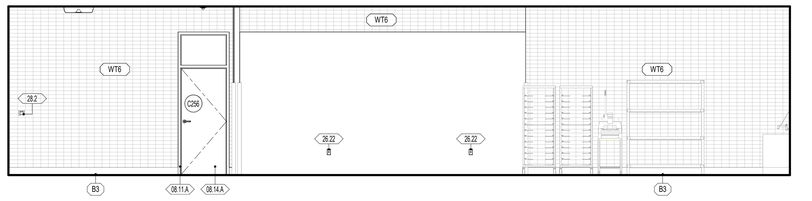


B4 A421 **C231 - KITCHEN - WEST**
1/4" = 1'-0"



A1 A421 **C231 - KITCHEN - NORTH**
1/4" = 1'-0"

A



A4 A421 **C231 - KITCHEN - EAST**
1/4" = 1'-0"

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A0101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
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TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
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3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
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BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
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1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.11.B	08 1113 - HOLLOW METAL DOOR. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
26.1	26 0000 - LV BUTTON. REFER TO ELECTRICAL
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
26.18	26 0000 - INTERCOM STATION. REFER TO ELECTRICAL
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
28.2	28 0000 - FIRE ALARM PULL STATION. REFER TO ELECTRICAL DRAWINGS & SPECIFICATION
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

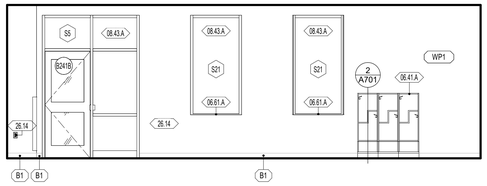
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	01181.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

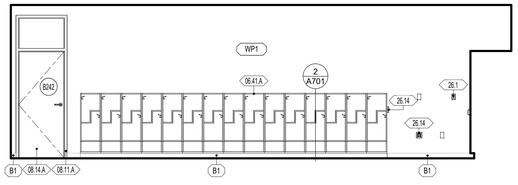
△ DATE REVISION

INTERIOR ELEVATIONS

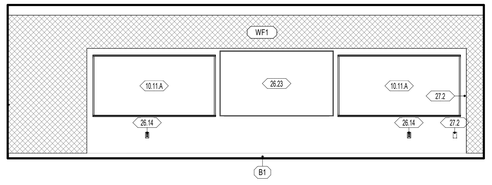
A421



E1 A422 **A241 - CLASSROOM PRESCHOOL - SOUTH**
1/4" = 1'-0"

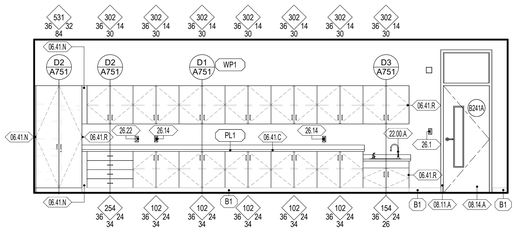


E3 A422 **A241 - CLASSROOM PRESCHOOL - WEST**
1/4" = 1'-0"

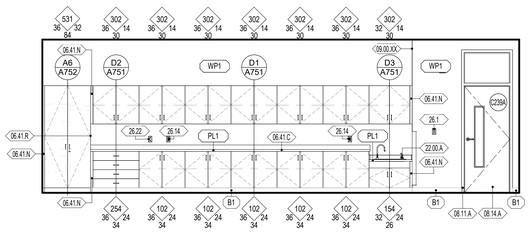


E4 A422 **A241 - CLASSROOM PRESCHOOL - EAST**
1/4" = 1'-0"

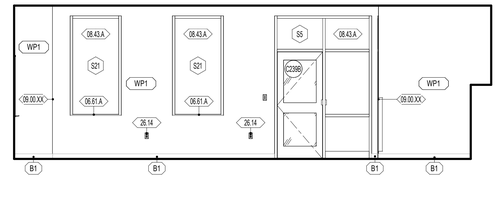
E



D1 A422 **A241 - CLASSROOM PRESCHOOL - NORTH**
1/4" = 1'-0"



D3 A422 **C239 - CLASSROOM KINDERGARTEN - NORTH**
1/4" = 1'-0"



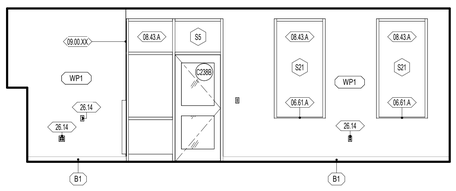
D4 A422 **C239 - CLASSROOM KINDERGARTEN - SOUTH**
1/4" = 1'-0"

D

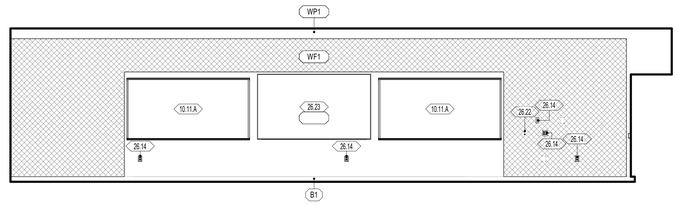
C1 A422 **C239 - CLASSROOM KINDERGARTEN - WEST**
1/4" = 1'-0"

C3 A422 **C239 - CLASSROOM KINDERGARTEN - EAST**
1/4" = 1'-0"

C



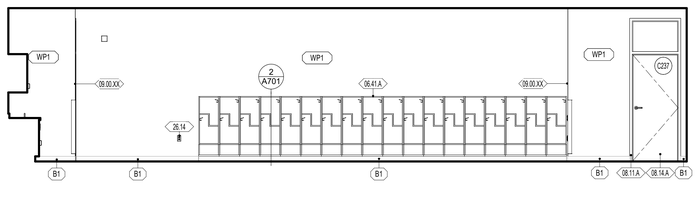
B1 A422 **C238 - CLASSROOM KINDERGARTEN - SOUTH**
1/4" = 1'-0"



B3 A422 **C238 - CLASSROOM KINDERGARTEN - WEST**
1/4" = 1'-0"

B

A1 A422 **C238 - CLASSROOM KINDERGARTEN - NORTH**
1/4" = 1'-0"



A3 A422 **C238 - CLASSROOM KINDERGARTEN - EAST**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

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WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

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NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - U/I BUTTON, REFER TO ELECTRICAL
26.12	26 0000 - DATA RACK, REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

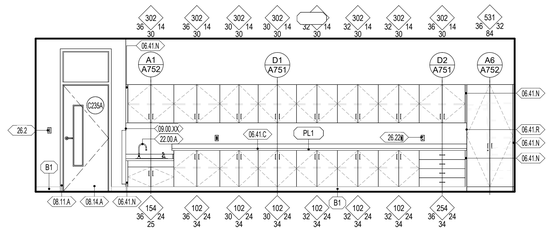
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

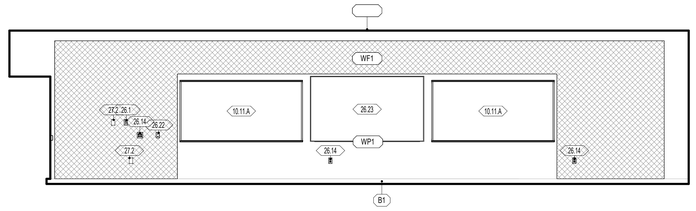
△ DATE REVISION

INTERIOR ELEVATIONS

A422



E1 A423 C235 - CLASSROOM KINDERGARTEN - NORTH
1/4" = 1'-0"



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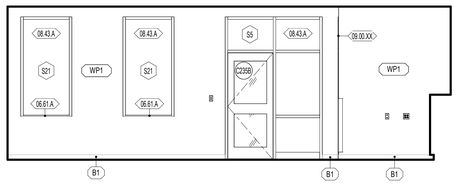
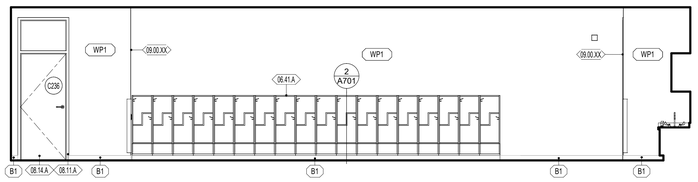
1/4" = 1'-0"

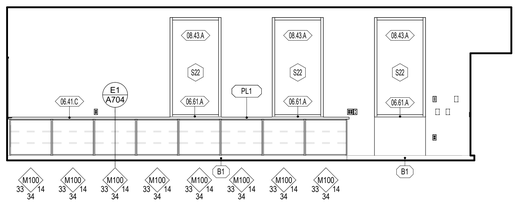


E5 A423 C235 - CLASSROOM KINDERGARTEN - SOUTH
1/4" = 1'-0"

E

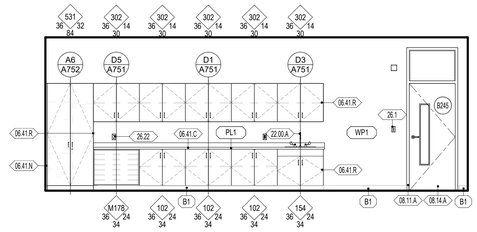


D1 A423 C235 - CLASSROOM KINDERGARTEN - WEST
1/4" = 1'-0"

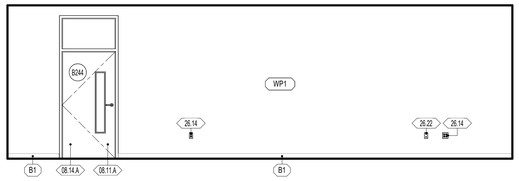


D3 A423 B245 - CLASSROOM MUSIC - WEST
1/4" = 1'-0"

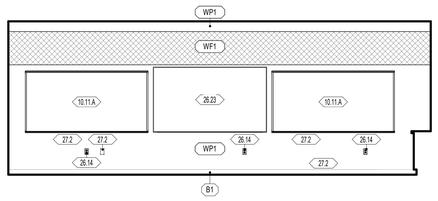
D



C1 A423 B245 - CLASSROOM MUSIC - NORTH
1/4" = 1'-0"

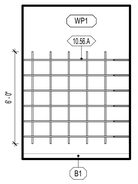


C3 A423 B245 - CLASSROOM MUSIC - EAST
1/4" = 1'-0"

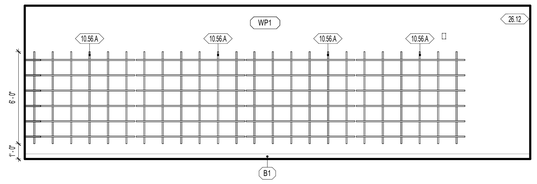


C4 A423 B245 - CLASSROOM MUSIC - SOUTH
1/4" = 1'-0"

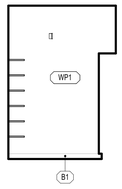
C



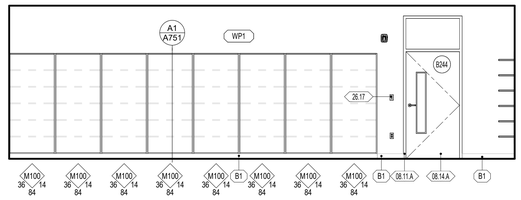
B1 A423 B244 - MUSIC STORAGE - NORTH
1/4" = 1'-0"



B2 A423 B244 - MUSIC STORAGE - EAST
1/4" = 1'-0"

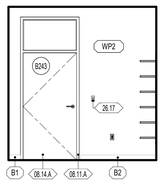


B3 A423 B244 - MUSIC STORAGE - SOUTH
1/4" = 1'-0"

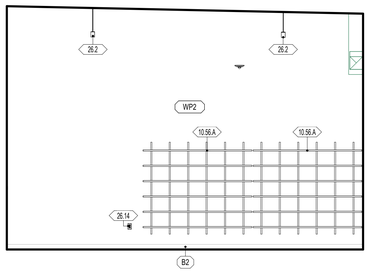


B4 A423 B244 - MUSIC STORAGE - WEST
1/4" = 1'-0"

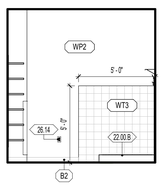
B



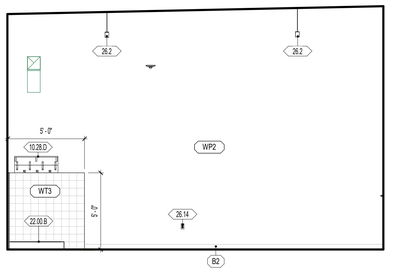
A1 A423 B243 - CUSTODIAL - NORTH
1/4" = 1'-0"



A2 A423 B243 - CUSTODIAL - EAST
1/4" = 1'-0"



A3 A423 B243 - CUSTODIAL - SOUTH
1/4" = 1'-0"



A4 A423 B243 - CUSTODIAL - WEST
1/4" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.A	06 4100 - ARCHITECTURAL CASEWORK, REFER TO INTERIOR ELEVATIONS AND CASEWORK DETAILS
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.41.R	06 4100 - FINISH END PANEL AT NONE WALL TERMINATING CASEWORK
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORERFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.11.A	10 1100 - MARKER BOARD PER SPECIFICATION. OWNER FURNISHED AND CONTRACTOR INSTALLED.
10.28.D	10 2800 - MOP AND BROOM RACK. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED
10.56.A	10 5617 - ADJUSTABLE METAL STORAGE SHELVING. REFER TO SPECIFICATION
22.00.A	22 0000 - HAND WASH SINK, REFER TO PLUMBING DRAWINGS
22.00.B	22 0000 - FLOOR SINK, REFER TO PLUMBING DRAWINGS
26.1	26 0000 - LV BUTTON, REFER TO ELECTRICAL
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
26.12	26 0000 - DATA RACK, REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.23	26 0000 - DIGITAL DISPLAY BOARD, REFER TO ELECTRICAL DRAWINGS
27.2	27 0000 - COMMUNICATIONS WALL BOX, REFER TO ELECTRICAL PLANS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

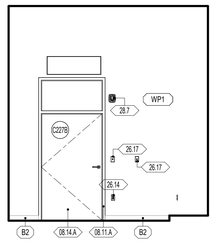
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

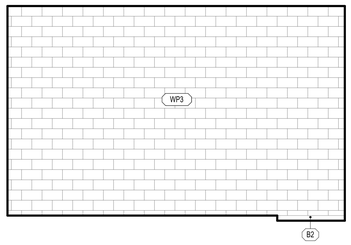
DATE REVISION

INTERIOR ELEVATIONS

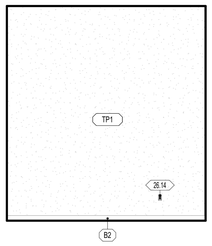
A423



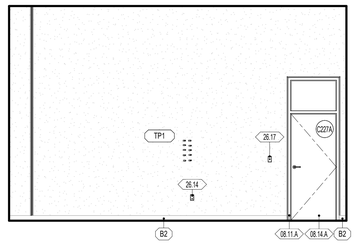
E1 A424 **C230 - MAIN ELECTRICAL - NORTH**
1/4" = 1'-0"



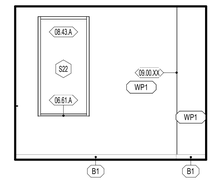
E2 A424 **C230- MAIN ELECTRICAL - EAST**
1/4" = 1'-0"



E3 A424 **C230 - MAIN ELECTRICAL - SOUTH**
1/4" = 1'-0"

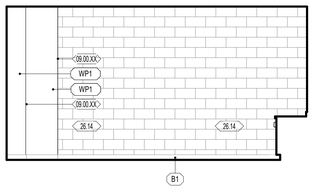


E4 A424 **C230 - MAIN ELECTRICAL - WEST**
1/4" = 1'-0"

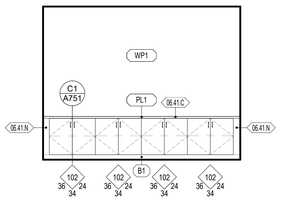


E5 A424 **B208 - MEDIA OFFICE - WEST**
1/4" = 1'-0"

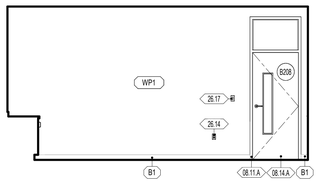
E



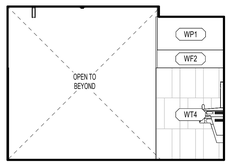
D1 A424 **B208 - MEDIA OFFICE - NORTH**
1/4" = 1'-0"



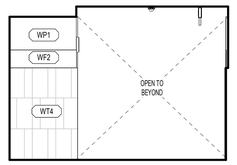
D2 A424 **B208 - MEDIA OFFICE - EAST**
1/4" = 1'-0"



D3 A424 **B208 - MEDIA OFFICE - SOUTH**
1/4" = 1'-0"

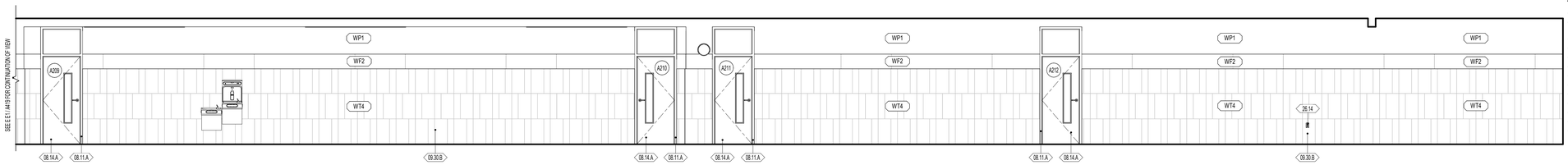


D4 A424 **A247 - NORTH WING CORRIDOR - SOUTH**
1/4" = 1'-0"



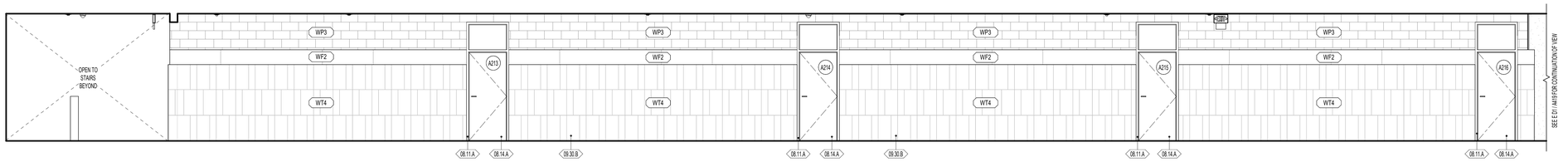
D5 A424 **A247 - NORTH WING CORRIDOR - NORTH**
1/4" = 1'-0"

D



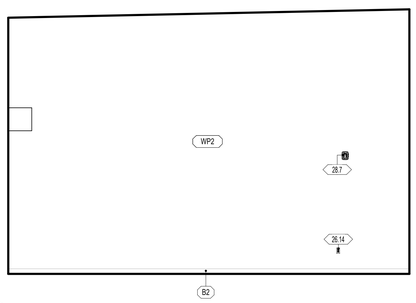
C1 A424 **A247 - NORTH WING CORRIDOR - WEST**
1/4" = 1'-0"

C

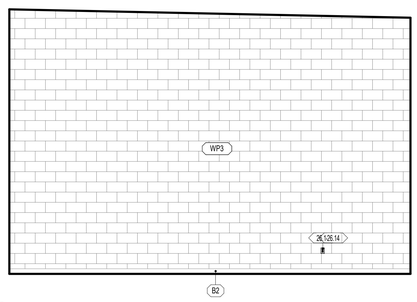


B1 A424 **A247 - NORTH WING CORRIDOR - EAST**
1/4" = 1'-0"

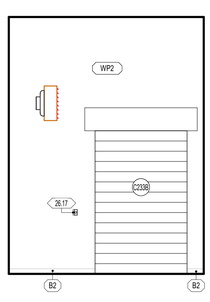
B



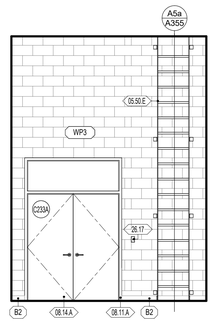
A1 A424 **C233 - RECEIVING - SOUTH**
1/4" = 1'-0"



A3 A424 **C233 - RECEIVING - NORTH**
1/4" = 1'-0"



A4 A424 **C233 - RECEIVING - EAST**
1/4" = 1'-0"



A5 A424 **C233 - RECEIVING - WEST**
1/4" = 1'-0"

A | 1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
05.50.E	05 5000 - PAINTED STEEL ACCESS LADDER
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
06.41.N	06 4100 - CASEWORK FILLER
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STORERFRONT AND DOOR. REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
09.30.B	09 3000 - THIN-SET WALL TILE. REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE.
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE: BID SET
ISSUE DATE: 02/25/2025
NWL PROJECT: 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

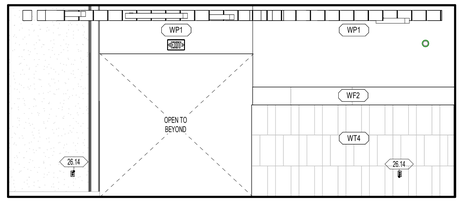
△ DATE REVISION

INTERIOR ELEVATIONS

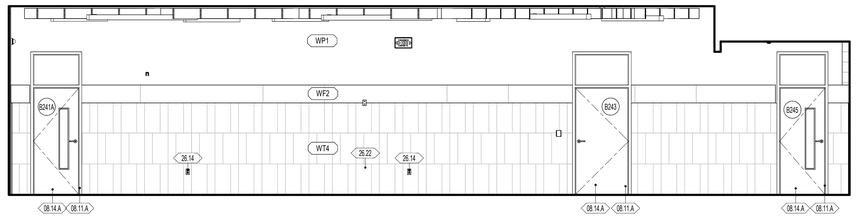
A424



E1 / A425 **B248 STAIR CORRIDOR - WEST**
1/4" = 1'-0"

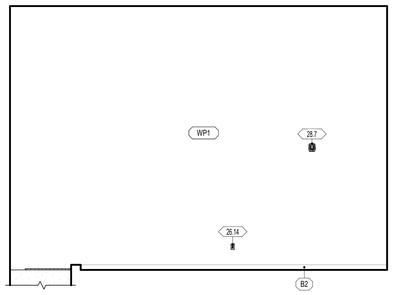


E3 / A425 **B248 MAIN STAIR CORRIDOR - EAST**
1/4" = 1'-0"

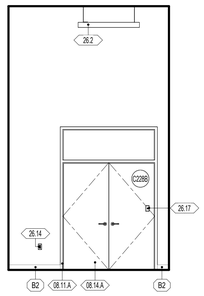


E4 / A425 **B248 - MAIN STAIR CORRIDOR - SOUTH**
1/4" = 1'-0"

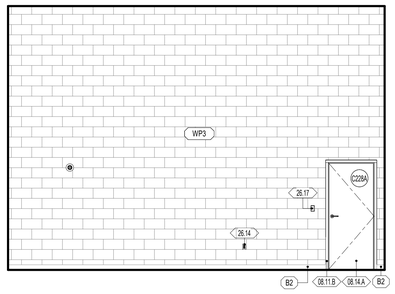
E



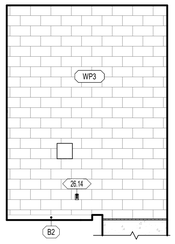
D1 / A425 **C228 - MECHANICAL - NORTH**
1/4" = 1'-0"



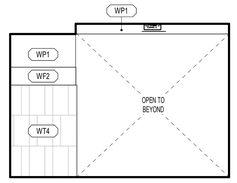
D2 / A425 **C228 - MECHANICAL - EAST**
1/4" = 1'-0"



D3 / A425 **C228 - MECHANICAL - SOUTH**
1/4" = 1'-0"

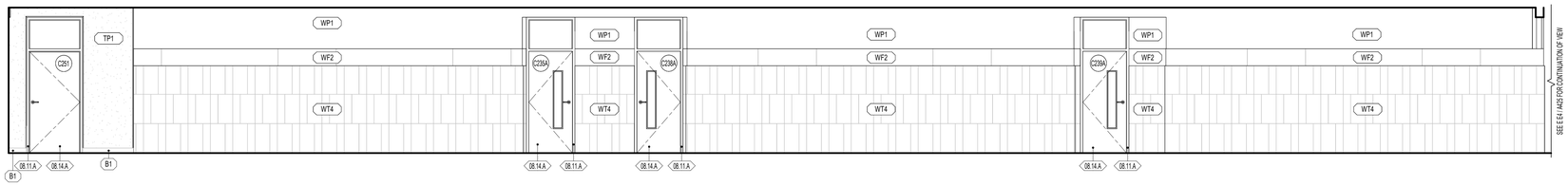


D4 / A425 **C228 - MECHANICAL - WEST**
1/4" = 1'-0"



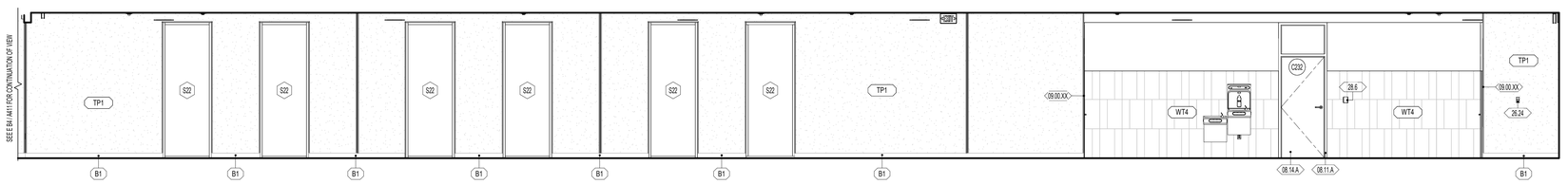
D5 / A425 **C249 - EAST WING CORRIDOR - WEST**
1/4" = 1'-0"

D



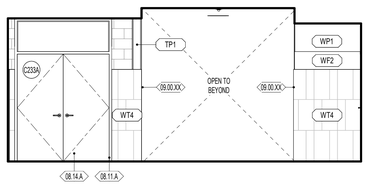
C1 / A425 **C249 - EAST WING CORRIDOR - SOUTH**
1/4" = 1'-0"

C

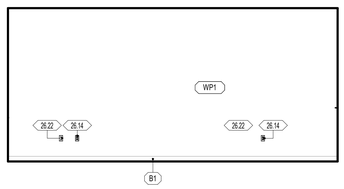


B1 / A425 **C249 - EAST WING CORRIDOR - NORTH**
1/4" = 1'-0"

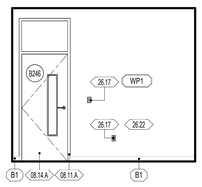
B



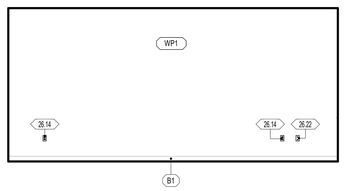
A1 / A425 **C249 - EAST WING CORRIDOR - EAST**
1/4" = 1'-0"



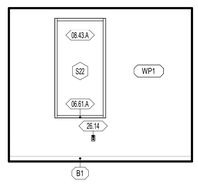
A2 / A425 **B246 - SLP OFFICE - NORTH**
1/4" = 1'-0"



A3 / A425 **B246 - SLP OFFICE - EAST**
1/4" = 1'-0"



A4 / A425 **B246 - SLP OFFICE - SOUTH**
1/4" = 1'-0"



A5 / A425 **B246 - SLP OFFICE - WEST**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

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WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
00.00.XX KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
A101A DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
W1 WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

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WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
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WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
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4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

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B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.61.A	06 6116 - SOLID SURFACE WINDOW SILL
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME, REFER TO SCHEDULES AND DETAILS
08.11.B	08 1113 - HOLLOW METAL DOOR, REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS, REFER TO SCHEDULES AND DETAILS
08.43.A	08 4313 - ALUMINUM FRAMED STOREFRONT AND DOOR, REFER TO OPENING ELEVATIONS AND DETAILS.
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
26.14	26 0000 - OUTLET, REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX, REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT, REFER TO ELECTRICAL DRAWINGS
26.24	26 0000 - POWER BUTTON, REFER TO ELECTRICAL
28.6	28 0000 - SECURITY CREDENTIALS PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL, REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

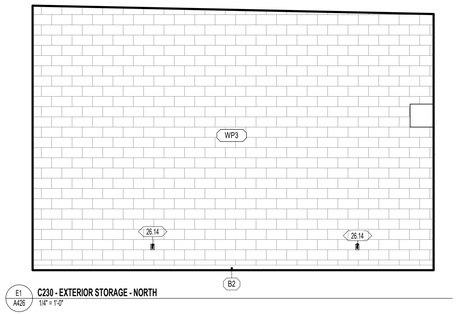
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

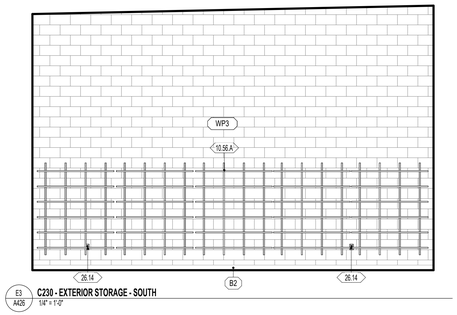
△ DATE REVISION

INTERIOR ELEVATIONS

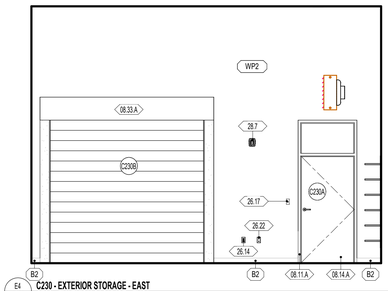
A425



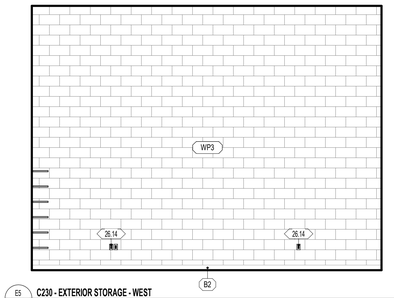
E1 A426 **C230 - EXTERIOR STORAGE - NORTH**
1/4" = 1'-0"



E3 A426 **C230 - EXTERIOR STORAGE - SOUTH**
1/4" = 1'-0"

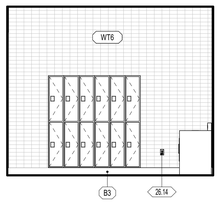


E4 A426 **C230 - EXTERIOR STORAGE - EAST**
1/4" = 1'-0"

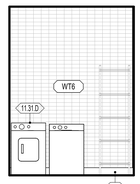


E5 A426 **C230 - EXTERIOR STORAGE - WEST**
1/4" = 1'-0"

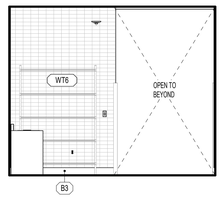
E



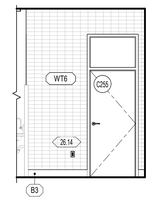
D1 A426 **C231 - KITCHEN LOCKER ROOM - NORTH**
1/4" = 1'-0"



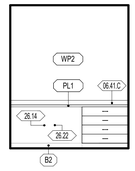
D2 A426 **C231 - KITCHEN LOCKER ROOM - EAST**
1/4" = 1'-0"



D3 A426 **C231 - KITCHEN LOCKER ROOM - SOUTH**
1/4" = 1'-0"

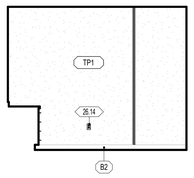


D4 A426 **C231 - KITCHEN LOCKER ROOM - WEST**
1/4" = 1'-0"

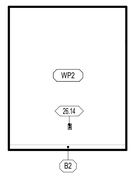


D5 A426 **C254 - OFFICE - WEST**
1/4" = 1'-0"

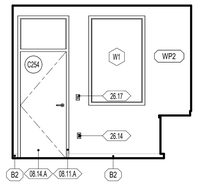
D



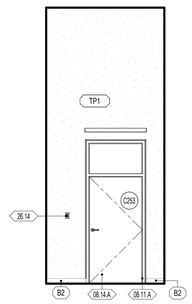
C1 A426 **C254 - OFFICE - NORTH**
1/4" = 1'-0"



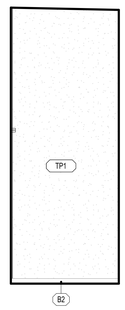
C2 A426 **C254 - OFFICE - EAST**
1/4" = 1'-0"



C3 A426 **C254 - OFFICE - SOUTH**
1/4" = 1'-0"



C4 A426 **C253 - STORAGE - WEST**
1/4" = 1'-0"

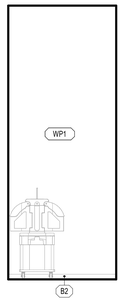


C5 A426 **C253 - STORAGE - NORTH**
1/4" = 1'-0"

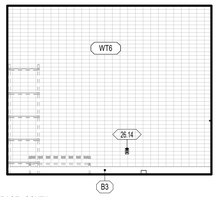
C



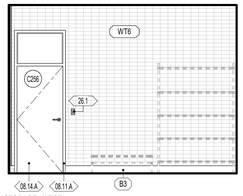
B1 A426 **C253 - STORAGE - EAST**
1/4" = 1'-0"



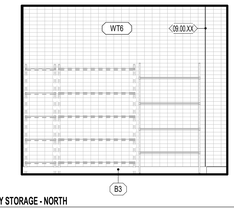
B2 A426 **C253 - STORAGE - SOUTH**
1/4" = 1'-0"



B3 A426 **C256 - DRY STORAGE - SOUTH**
1/4" = 1'-0"

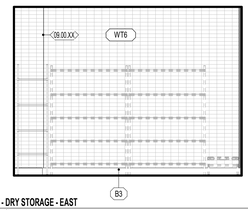


B4 A426 **C256 - DRY STORAGE - WEST**
1/4" = 1'-0"



B5 A426 **C256 - DRY STORAGE - NORTH**
1/4" = 1'-0"

B



A1 A426 **C256 - DRY STORAGE - EAST**
1/4" = 1'-0"

A

1 2 3 4 5 6

GENERAL NOTES - ENLARGED REFERENCE PLANS

1. REFER TO SHEET A401 FOR TOILET ROOM ACCESSORY SCHEDULE AND MOUNTING HEIGHTS.
2. FINAL LOCATION OF ALL TOILET ROOM ACCESSORIES TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
3. ALIGN ALL BASE TRANSITIONS WITH FLOORING TRANSITIONS, AS SHOWN ON THE FINISH FLOOR PLANS
4. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUITS, SUPPORTS, STEEL STRUCTURE, DECK, ETC. SHOWN IN ELEVATIONS.
5. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
6. PROVIDE A TRANSITION STRIP BETWEEN DIFFERING FLOOR COVERINGS, REFER TO SHEET A101 FOR TYPICAL TRANSITION DETAILS.
7. PROVIDE FILLERS AT ALL END LOCATIONS WHERE LOCKERS OR MILLWORK DO NOT FILL THE WHOLE EXTEND OF THE SPACE SHOWN.
8. ALL ARCHITECTURAL CASEWORK NUMBERS NOTED ARE PER WI STANDARDS.

WALL TYPE
WT## — WALL TYPE MARK, REFER TO WALL TYPES ON SHEETS A500.
FIRE RATING INDICATOR
ACOUSTICAL INDICATOR

DIVISION
00.00.XX — KEYNOTE MARKER
SECTION SEQUENCE
SECTION

DOOR TYPE
A101A — DOOR TYPE MARK, REFER TO DOOR SCHEDULE.
SHEET LOCATION

WINDOW TYPE
W1 — WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

WALL FINISH

WP1	09 9123 PURE WHITE FINISH ON GYPSUM BOARD
WP2	09 9123 PURE WHITE EPOXY FINISH ON GYPSUM - CUSTODIAL, KITCHEN OFFICE, STORAGE
WP3	09 9123 PURE WHITE EPOXY FINISH ON CMU AND CONC. - CUSTODIAL, STORAGE, IDF, MECH, MDF
WP4	09 9123 BLACK SEMI-GLOSS FINISH ON CMU AND CONC. - STAGE
WP5	09 9123 EPOXY SEMI-GLOSS FINISH ON STEEL
WT1	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT2	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT3	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT4	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT5	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WT6	09 3000 GLAZED CERAMIC TILE - REFER TO DETAIL XX/A101 FOR TILE PATTERN
WF1	09 8413 FELT PANEL FINISH
WF2	09 8413 FELT PANEL FINISH
TP1	03 4713 SEALED TILT PANEL

1. INTERIOR SURFACES ONLY. FOR EXTERIOR USE WATER REPELLANT BY SECTION 07 1900
2. REFER TO SECTION 09 9123 TO CLEAN AND PRIME WALLS AS NECESSARY WHERE PLASTIC LAMINATES PLANELS OR VINYL WALL COVERING IS SCHEDULED TO OCCUR
3. SCHLUTER EDGE PROTECTION AT ALL EXPOSED EDGES, CORNERS, FLOOR, & TILE TRANSITIONS, AS PER SECTION 09 3000
4. COORDINATE PANEL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION

BASE FINISH

B1	09 6813 4" CARPET BASE, CLASSROOMS, ADMIN, MEDIA CENTER
B2	09 6519 4" COVE RUBBER BASE, MULTI-PURPOSE, STAGE
B3	09 3000 6" GLAZED CERAMIC TILE, KITCHEN

1. INSTALL SEALANT BETWEEN BASE AND FLOOR TILE AS TCNA APPLICATIONS REQUIRE, SECTION 09 3000
2. METAL TRIM AT TOP OF BASE WHERE NO TILE BASE OCCURS BY SPEC SECTION 09 3000

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
06.41.C	06 4100/ 06 6116 - PLASTIC LAMINATE OR SOLID SURFACE COUNTERTOP, AND BACKSPLASH WHERE OCCURS. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
08.11.A	08 1113 - HOLLOW METAL DOOR OR WINDOW FRAME. REFER TO SCHEDULES AND DETAILS
08.14.A	08 1416 - FLUSH WOOD DOORS. REFER TO SCHEDULES AND DETAILS
08.33.A	08 3323 - OVERHEAD COILING DOOR. REFER TO SCHEDULE AND DETAILS
09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
10.56.A	10 5617 - ADJUSTABLE METAL STORAGE SHELVING. REFER TO SPECIFICATION
11.31.D	11 3100 - WASHER AND DRYER, OWNER FURNISHED OWNER INSTALLED
26.1	26 0000 - LV BUTTON. REFER TO ELECTRICAL
26.14	26 0000 - OUTLET. REFER TO ELECTRICAL DRAWINGS
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 03/25/2025
DRAWING ISSUE
ISSUE DATE
NWL PROJECT 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

INTERIOR ELEVATIONS

A426

GENERAL NOTES - ENLARGED REFERENCE PLANS

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DIVISION
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SECTION SEQUENCE
SECTION

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SHEET LOCATION

WINDOW TYPE
WINDOW TYPE MARK, REFER TO WINDOW SCHEDULE.
SHEET LOCATION

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NWL-LEGEND - KEYNOTE

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09.00.XX	WALL FINISHES TO WRAP WHERE WALL JOG OCCURS. REFER TO FLOOR PLAN FOR MORE INFORMATION.
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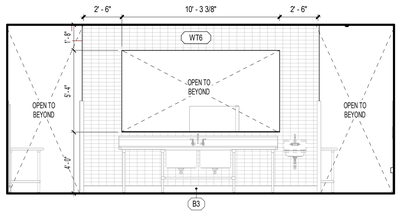
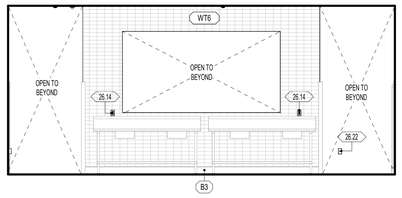
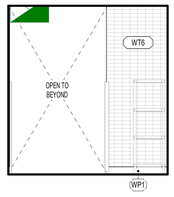
26.17	26 0000 - LIGHT CALL BOX. REFER TO ELECTRICAL DRAWINGS
26.22	26 0000 - DATA PORT. REFER TO ELECTRICAL DRAWINGS
28.7	28 0000 - FIRE ALARM AND SPEAKER PANEL. REFER TO ELECTRICAL PLANS & SPECIFICATIONS



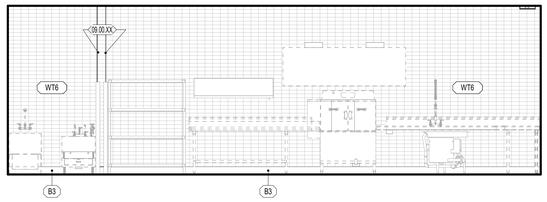
D1 A427 **C231 - KITCHEN SINK- WEST**
1/4" = 1'-0"



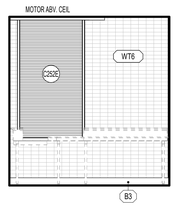
D3 A427 **C231 - KITCHEN SINK - EAST**
1/4" = 1'-0"



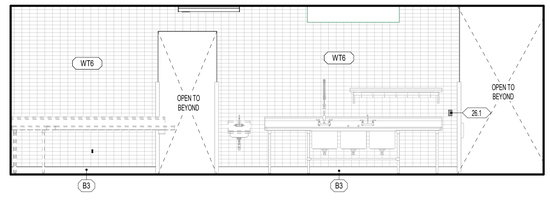
D5 A427 **C252 - DISHWASH - EAST**
1/4" = 1'-0"



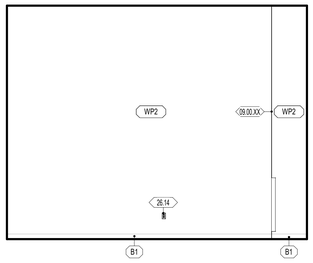
C1 A427 **C252 - DISHWASH - SOUTH**
1/4" = 1'-0"



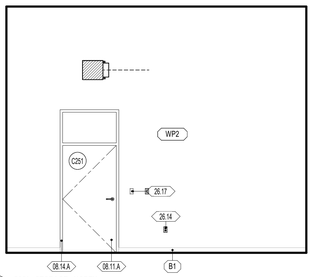
C3 A427 **C252 - DISHWASHER - WEST**
1/4" = 1'-0"



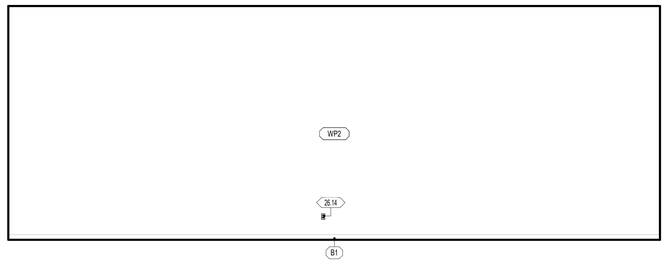
C4 A427 **C2252 - DISHWASHER - NORTH**
1/4" = 1'-0"



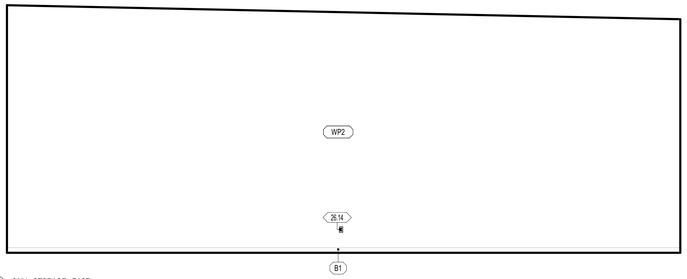
C5 A427 **C251 - STORAGE - SOUTH**
1/4" = 1'-0"



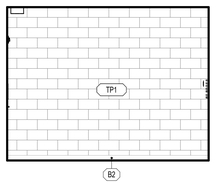
B1 A427 **C251 - STORAGE - NORTH**
1/4" = 1'-0"



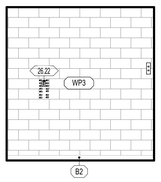
B2 A427 **C251 - STORAGE - WEST**
1/4" = 1'-0"



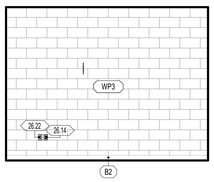
B4 A427 **C251 - STORAGE - EAST**
1/4" = 1'-0"



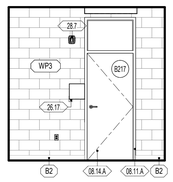
A1 A427 **A217 - ELEC. - NORTH**
1/4" = 1'-0"



A2 A427 **A217 - ELEC. - EAST**
1/4" = 1'-0"



A3 A427 **A217 - ELEC. - SOUTH**
1/4" = 1'-0"



A4 A427 **A217 - ELEC. - WEST**
1/4" = 1'-0"

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET
DRAWING ISSUE
02/25/2025
ISSUE DATE
0119.002
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

INTERIOR ELEVATIONS

A427

E
D
C
B
A
1
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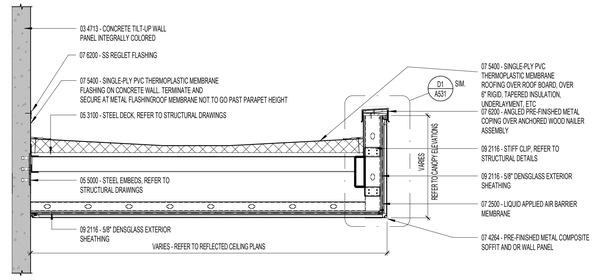
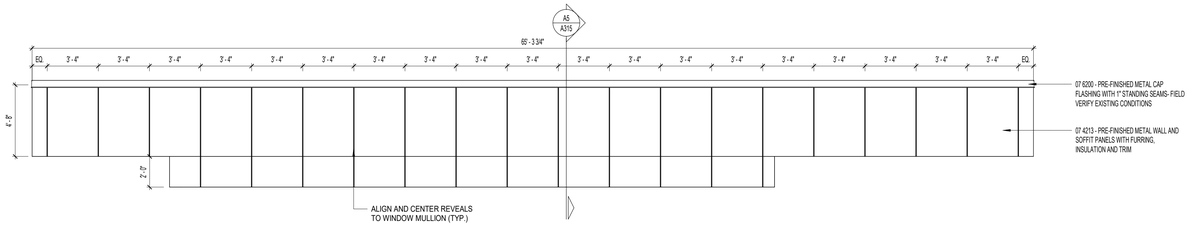
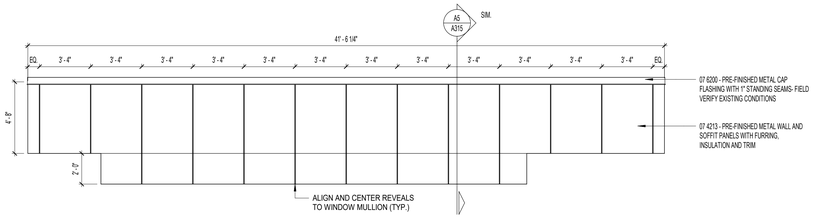


E6 A501 **CANOPY SECTION**
1/2" = 1'-0"

E

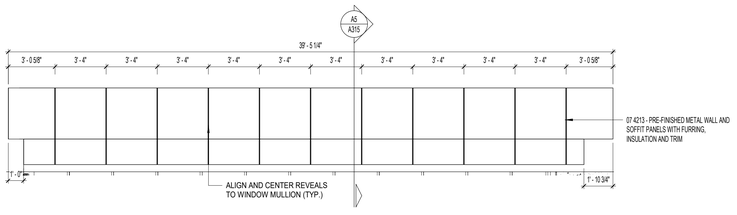


D1 A501 **EXTERIOR BUILDING ELEVATION - MEDIA CENTER CANOPY UPPER SIDE**
1/4" = 1'-0"

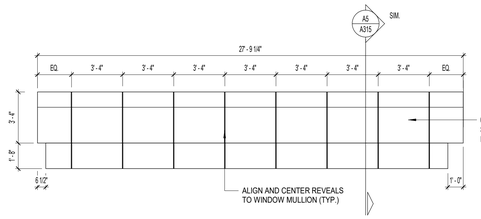


D5 A501 **EXTERIOR BUILDING ELEVATION - MEDIA CENTER CANOPY UPPER FRONT**
1/4" = 1'-0"

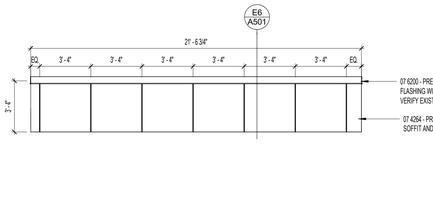
D



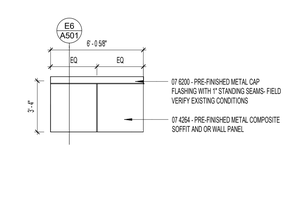
C1 A501 **EXTERIOR BUILDING ELEVATION - MEDIA CENTER CANOPY LOWER FRONT**
1/4" = 1'-0"



C3 A501 **EXTERIOR BUILDING ELEVATION - MEDIA CENTER CANOPY LOWER SIDE**
1/4" = 1'-0"

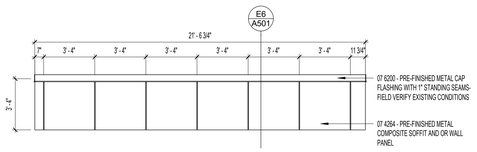


C5 A501 **EXTERIOR BUILDING ELEVATION - SOUTH CANOPY FRONT**
1/4" = 1'-0"

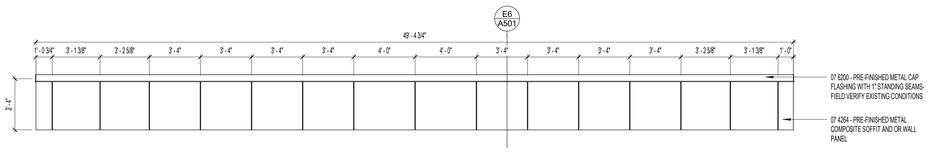


C6 A501 **EXTERIOR BUILDING ELEVATION - SOUTH CANOPY SIDE**
1/4" = 1'-0"

C

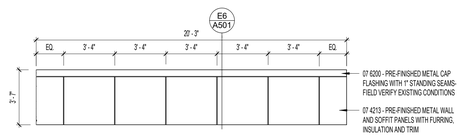


B1 A501 **EXTERIOR BUILDING ELEVATION - SOUTH CANOPY 2 FRONT**
1/4" = 1'-0"

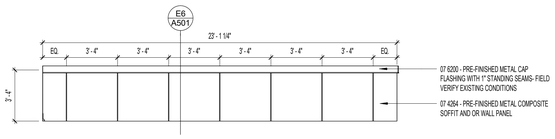


B5 A501 **EXTERIOR BUILDING ELEVATION - SOUTH CANOPY 2 SIDE**
1/4" = 1'-0"

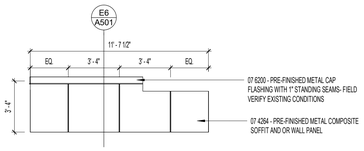
B



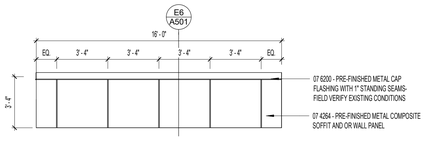
A1 A501 **EXTERIOR BUILDING ELEVATION - MAIN ENTRANCE CANOPY FRONT**
1/4" = 1'-0"



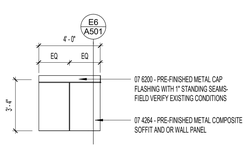
A3 A501 **EXTERIOR BUILDING ELEVATION - WEST CANOPY FRONT**
1/4" = 1'-0"



A4 A501 **EXTERIOR BUILDING ELEVATION - WEST CANOPY SIDE**
1/4" = 1'-0"



A5 A501 **EXTERIOR BUILDING ELEVATION - NORTH CANOPY FRONT**
1/4" = 1'-0"



A6 A501 **EXTERIOR BUILDING ELEVATION - NORTH CANOPY SIDE**
1/4" = 1'-0"

A

1 2 3 4 5 6

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CACHE COUNTY
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HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
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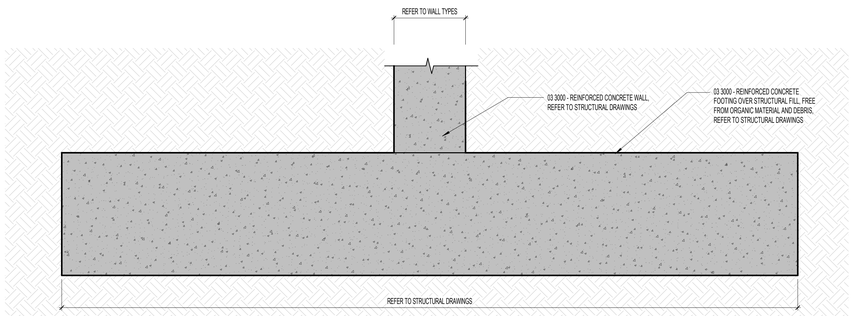
BID SET 03/25/2025
DRAWING ISSUE 0119.002
ISSUE DATE WWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

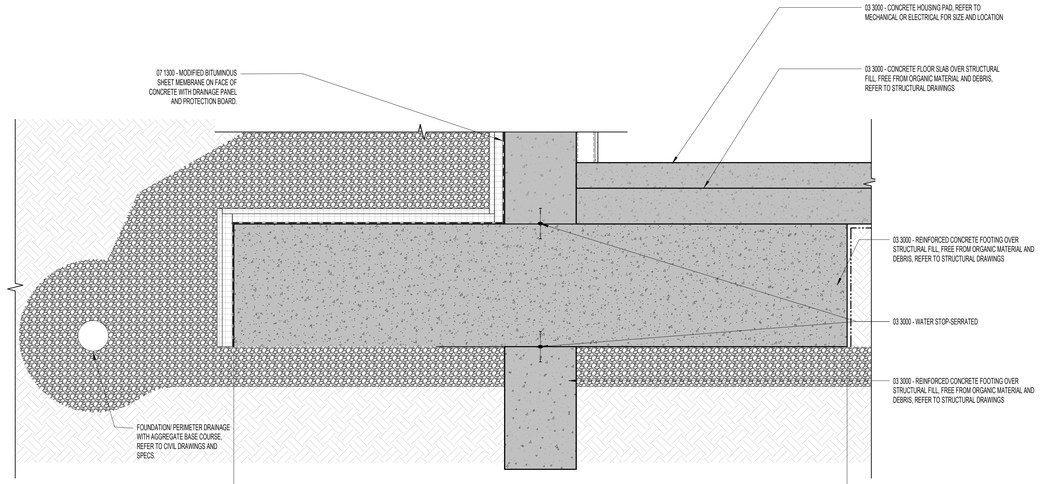
△ DATE REVISION

CANOPY DETAILS

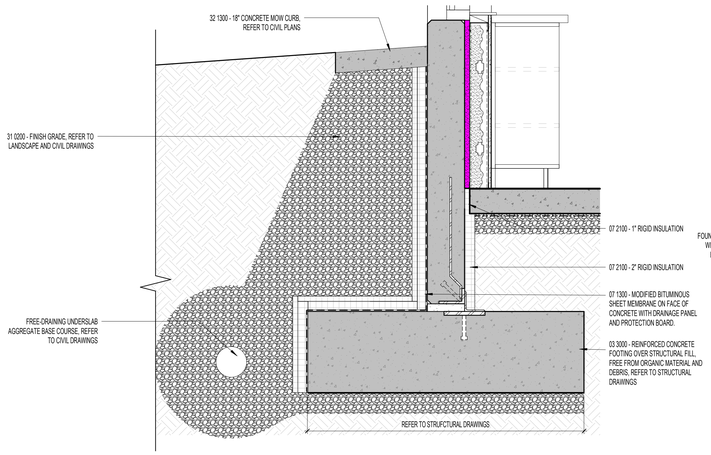
A501



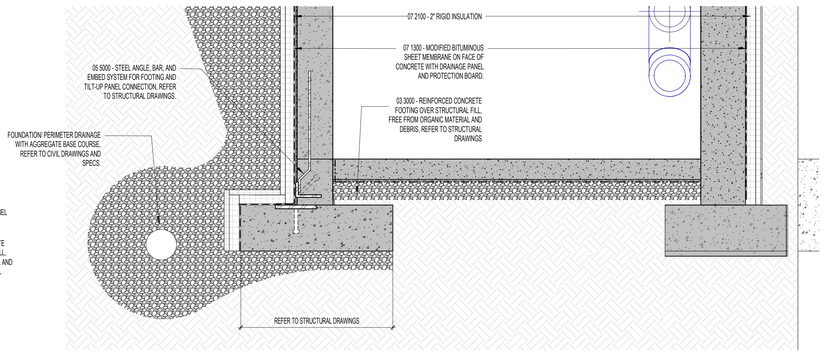
02 A511 **Detail 86**
1" = 1'-0"



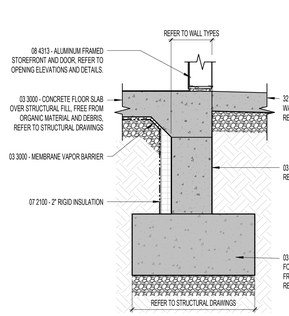
C5 A511 **FOUNDATION DETAIL**
1" = 1'-0"



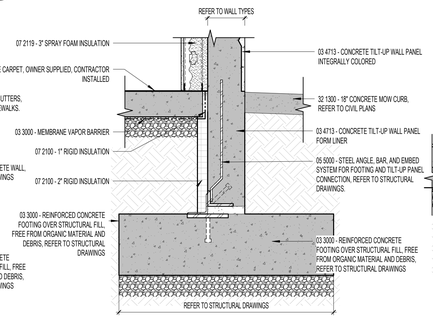
B3 A511 **FOOTING DETAIL**
1" = 1'-0"



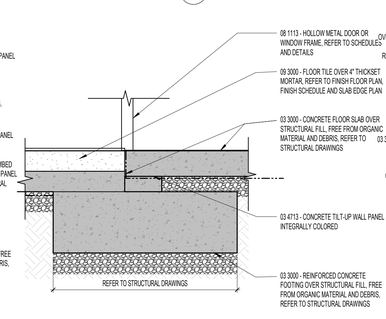
B5 A511 **FOUNDATION DETAIL**
1" = 1'-0"



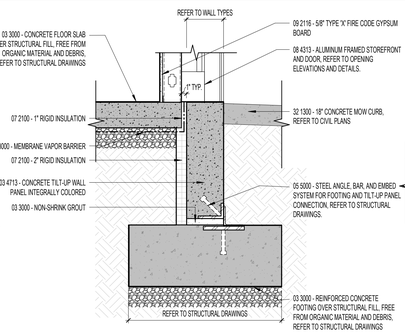
A2 A511 **FOUNDATION DETAIL**
1" = 1'-0"



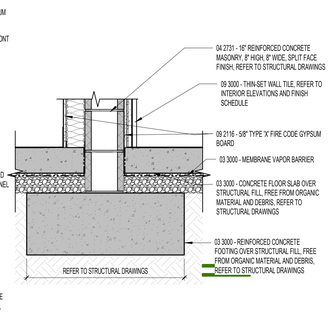
A3 A511 **FOUNDATION DETAIL**
1" = 1'-0"



A4 A511 **FOUNDATION DETAIL**
1" = 1'-0"



A5 A511 **FOUNDATION DETAIL**
1" = 1'-0"



A6 A511 **FOUNDATION DETAIL**
1" = 1'-0"

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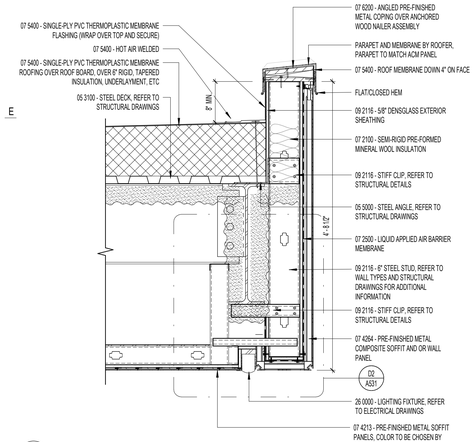
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

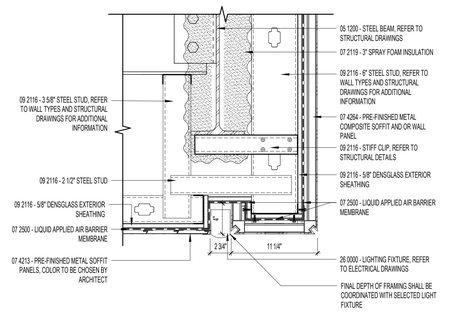
△	DATE	REVISION

FOOTING DETAILS

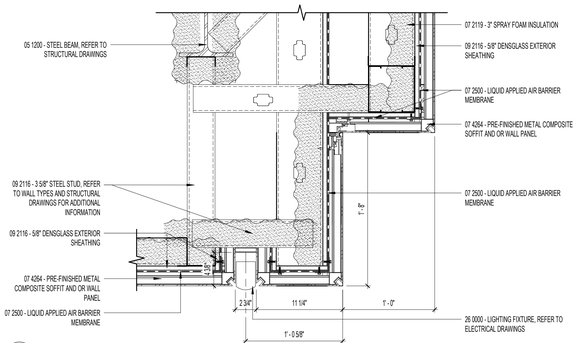
A511



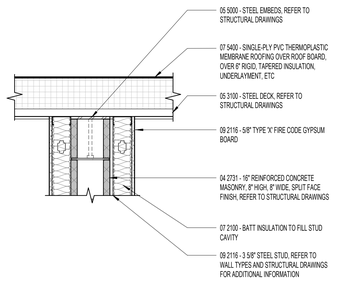
D1 A531 **PARAPET DETAIL**
1" = 1'-0"



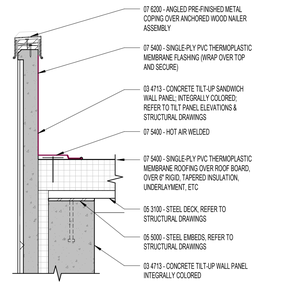
D2 A531 **SOFFIT CORNER DETAIL**
1 1/2" = 1'-0"



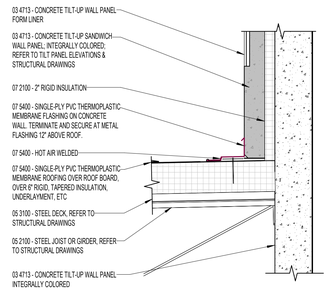
D4 A531 **FASCIA SOFFIT DETAIL**
1 1/2" = 1'-0"



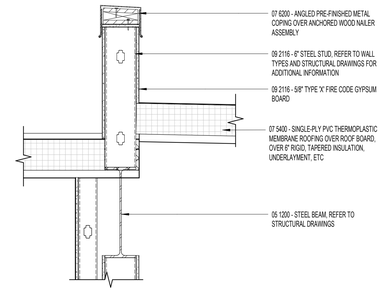
C1 A531 **CMU WALL AT ROOF DETAIL**
1" = 1'-0"



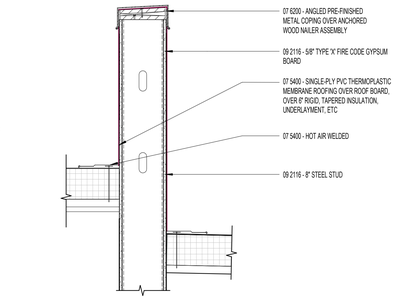
C2 A531 **MULTI-PURPOSE ROOF PARAPET WALL DETAIL**
1" = 1'-0"



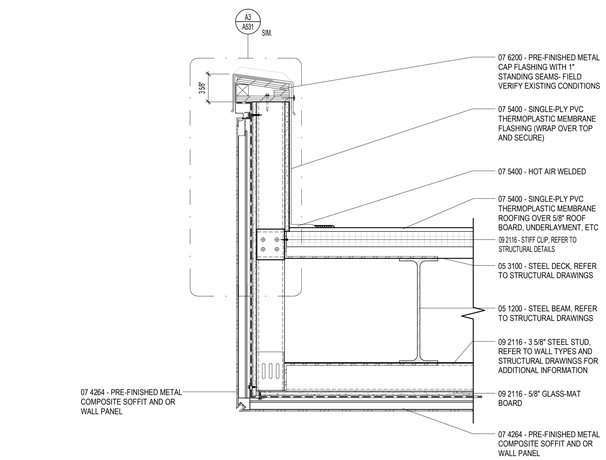
C3 A531 **LOWER ROOF TERMINATION AT VENEER PANEL**
1" = 1'-0"



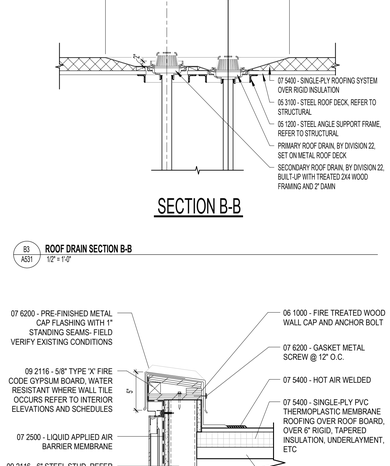
C5 A531 **ROOF PARAPET WALL DETAIL 2**
1" = 1'-0"



C6 A531 **ROOF PARAPET WALL DETAIL**
1" = 1'-0"

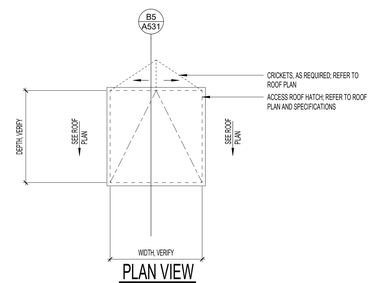


A1 A531 **ROOF OVERHANG DETAIL**
1 1/2" = 1'-0"



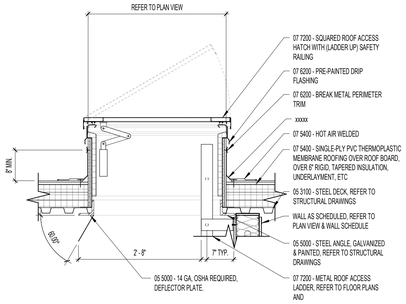
SECTION B-B

B3 A531 **ROOF DRAIN SECTION B-B**
1/2" = 1'-0"

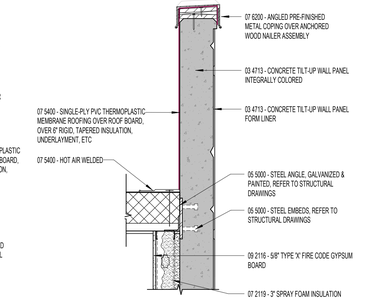


PLAN VIEW

B4 A531 **ROOF ACCESS HATCH PLAN VIEW**
1/2" = 1'-0"

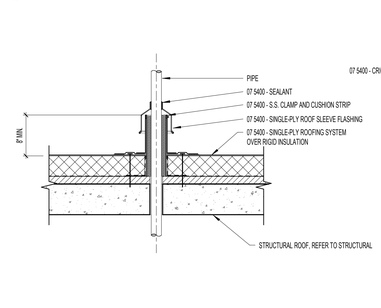


B5 A531 **ROOF ACCESS HATCH**
3/4" = 1'-0"

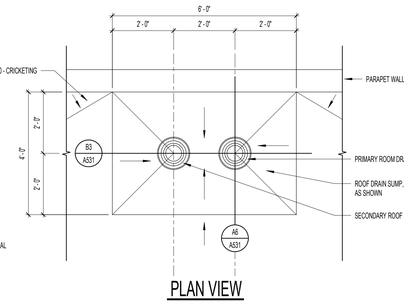


B6 A531 **TYP. ROOF PARAPET WALL DETAIL**
1" = 1'-0"

A3 A531 **ACM PANEL DETAIL**
1 1/2" = 1'-0"

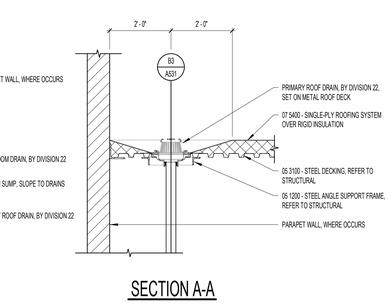


A4 A531 **TYPICAL PIPE VENT DETAIL**
1" = 1'-0"



PLAN VIEW

A5 A531 **ROOF DRAIN PLAN VIEW**
1/2" = 1'-0"



SECTION A-A

A6 A531 **ROOF DRAIN SECTION A-A**
1/2" = 1'-0"

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STATE OF UTAH
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#319164
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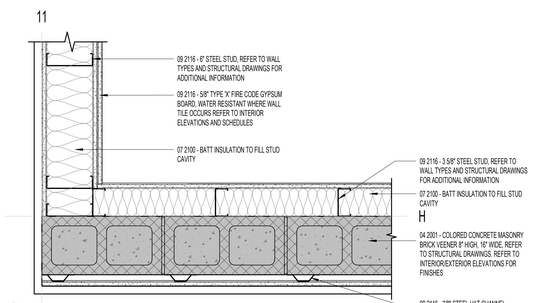
LICENSED ARCHITECT

DATE	REVISION

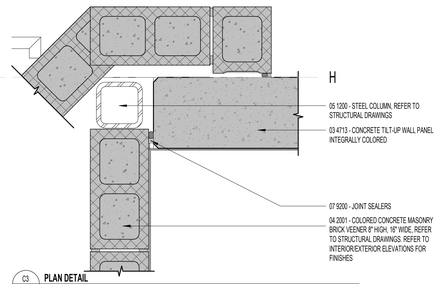
ROOF DETAILS

A531

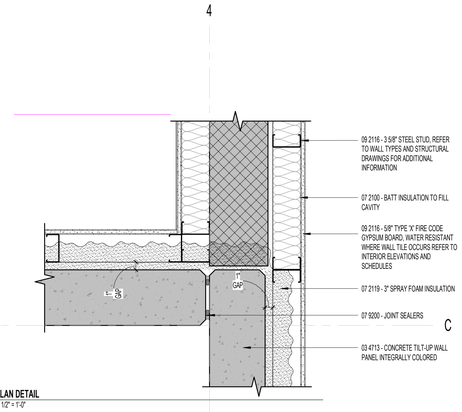


11

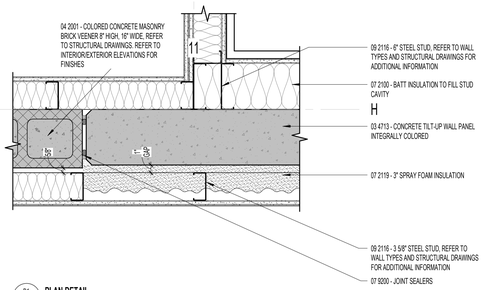
C2 PLAN DETAIL
A551 1 1/2" = 1'-0"



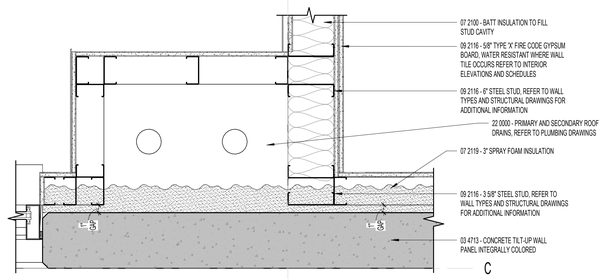
C3 PLAN DETAIL
A551 1 1/2" = 1'-0"



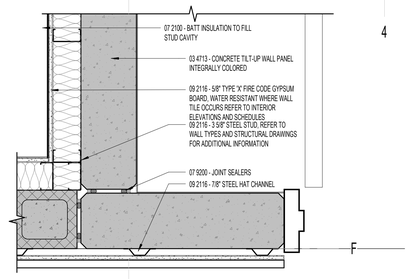
C5 PLAN DETAIL
A551 1 1/2" = 1'-0"



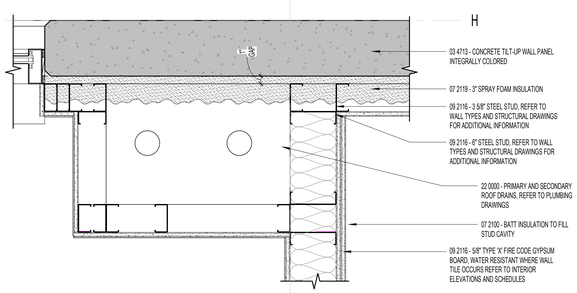
B1 PLAN DETAIL
A551 1 1/2" = 1'-0"



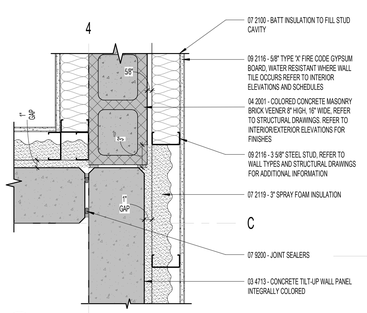
B3 PLAN DETAIL
A551 1 1/2" = 1'-0"



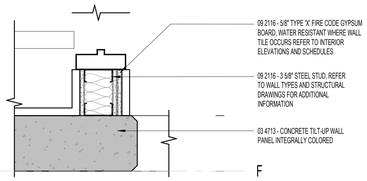
B4 PLAN DETAIL
A551 1 1/2" = 1'-0"



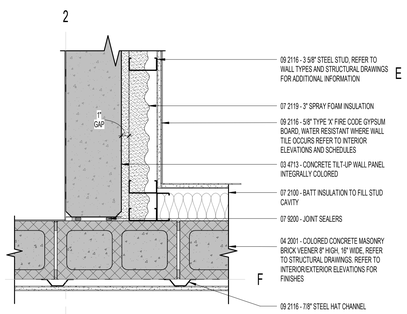
B6 PLAN DETAIL
A551 1 1/2" = 1'-0"



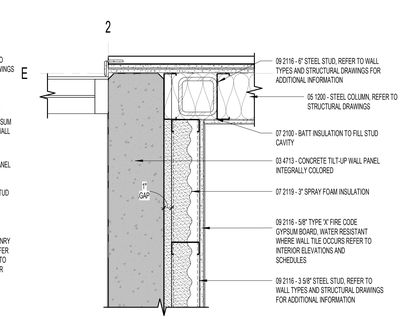
A1 PLAN DETAIL
A551 1 1/2" = 1'-0"



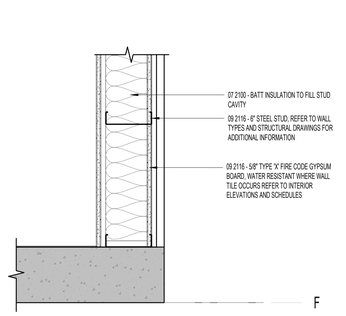
A2 PLAN DETAIL
A551 1 1/2" = 1'-0"



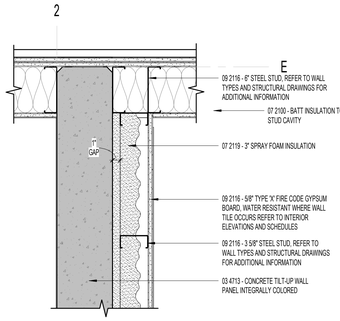
A3 PLAN DETAIL
A551 1 1/2" = 1'-0"



A4 PLAN DETAIL
A551 1 1/2" = 1'-0"



A5 PLAN DETAIL
A551 1 1/2" = 1'-0"



A6 PLAN DETAIL
A551 1 1/2" = 1'-0"

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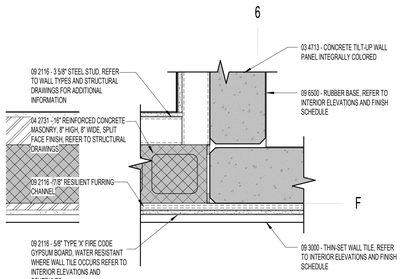
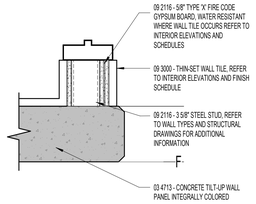
PLAN DETAILS

A551

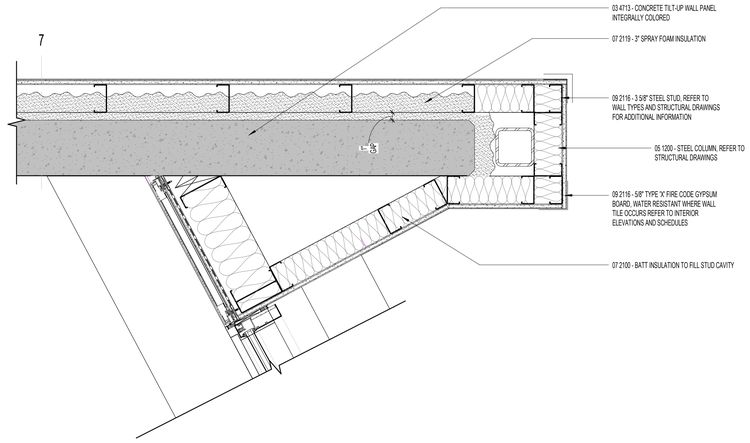


1 A552 **WALL DETAIL**
1 1/2" = 1'-0"



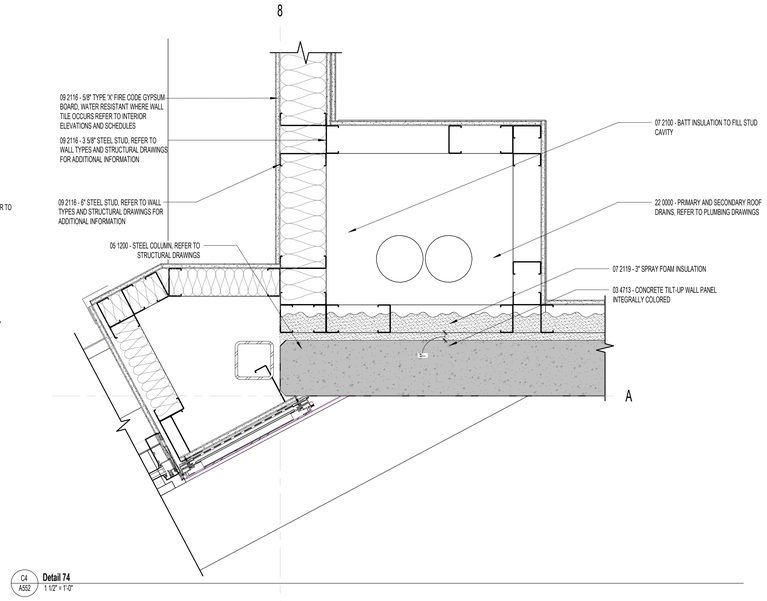
2 A552 **WALL DETAIL 2**
1 1/2" = 1'-0"

E

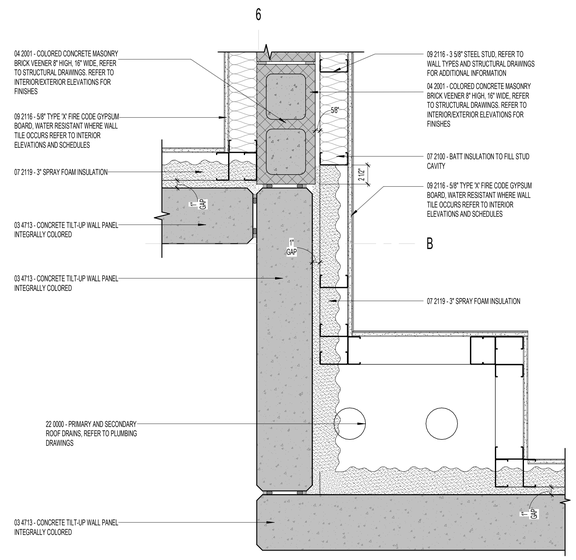


D

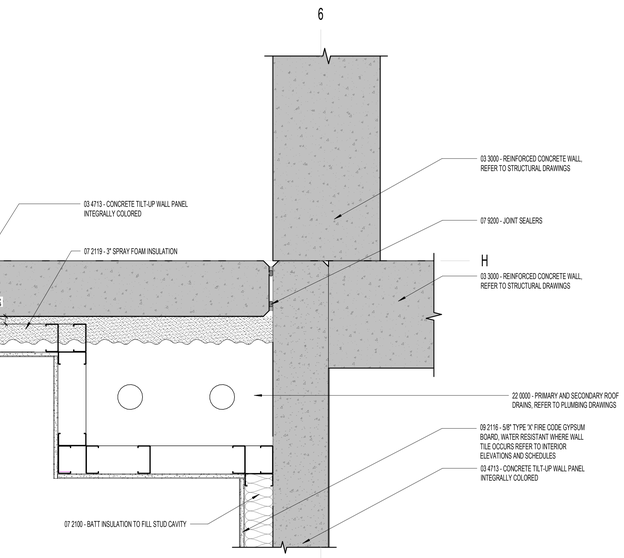
C1 A552 **Detail 75**
1 1/2" = 1'-0"



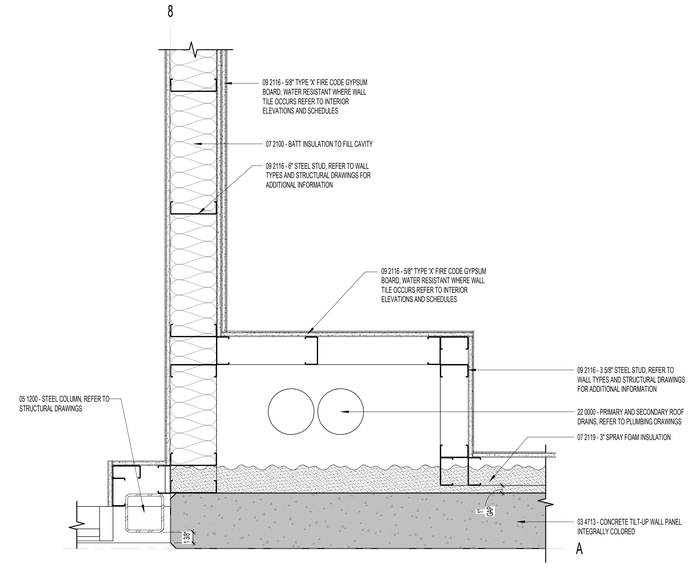
C4 A552 **Detail 74**
1 1/2" = 1'-0"



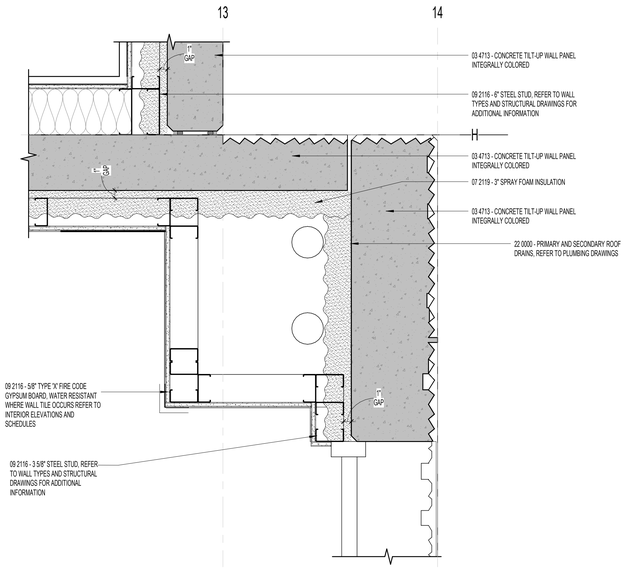
05 A552 **PLAN DETAIL**
1 1/2" = 1'-0"



A1 A552 **Detail 72**
1 1/2" = 1'-0"



A3 A552 **Detail 73**
1 1/2" = 1'-0"



A5 A552 **Detail 76**
1 1/2" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

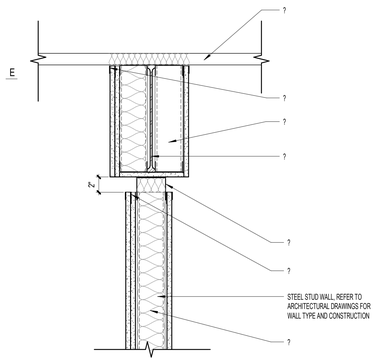
BID SET	03/25/2025
DRAWING ISSUE	01/10.002
ISSUE DATE	
NWL PROJECT	

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

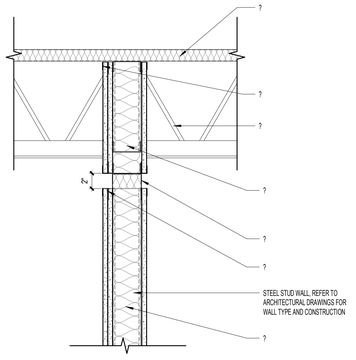
PLAN DETAILS

A552



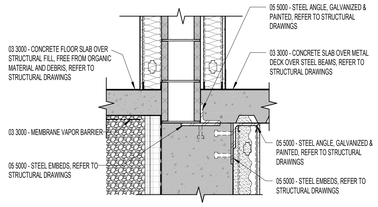
SOUND RATED

D1 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"

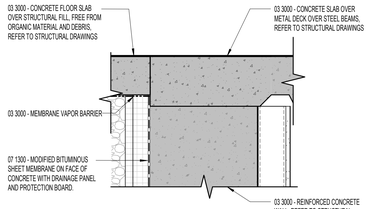


SOUND RATED

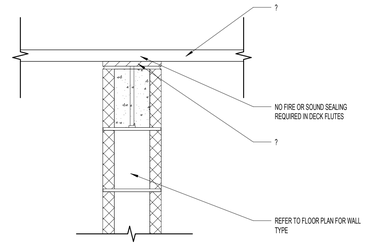
D2 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



D3 A553 CONCRETE FOUNDATION WALL CONNECTION TO CMU
1" = 1'-0"

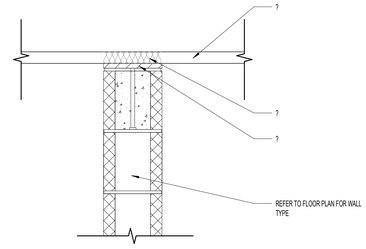


D4 A553 CONCRETE FOUNDATION WALL CONNECTION TO FLOOR
1 1/2" = 1'-0"



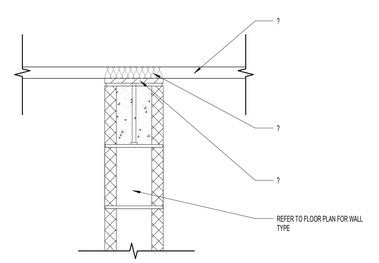
UNRATED

E4 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



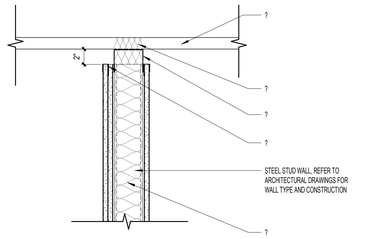
SOUND RATED

E5 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



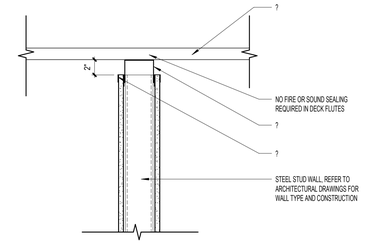
FIRE RATED

E6 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



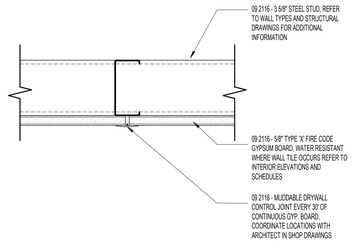
SOUND RATED

D5 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"

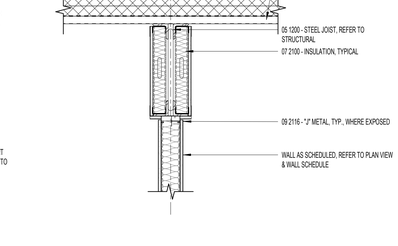


UNRATED

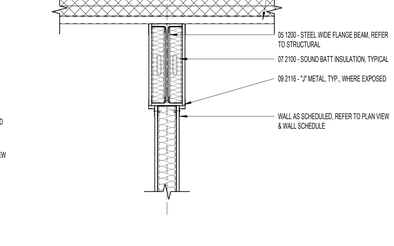
D6 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



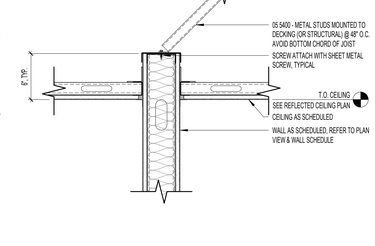
C1 A553 TYPICAL DRYWALL CONTROL JOINT DETAIL
3" = 1'-0"



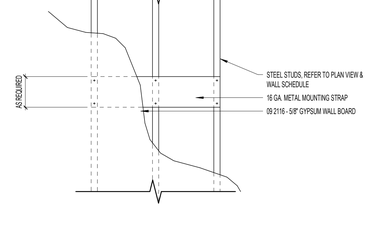
C2 A553 WALL ENCLOSURE DETAIL
1" = 1'-0"



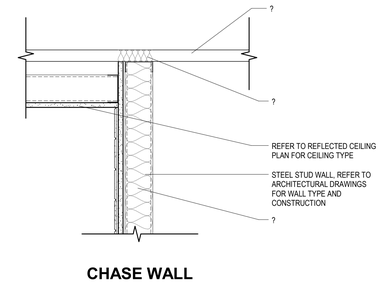
C3 A553 WALL ENCLOSURE DETAIL
1" = 1'-0"



C4 A553 WALL SUPPORT DETAIL
1 1/2" = 1'-0"

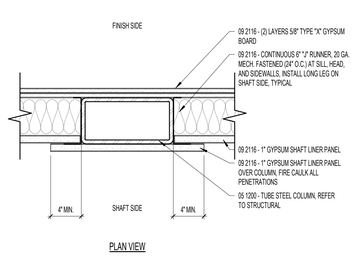


C5 A553 WALL MOUNTING PLATE DETAIL
1 1/2" = 1'-0"



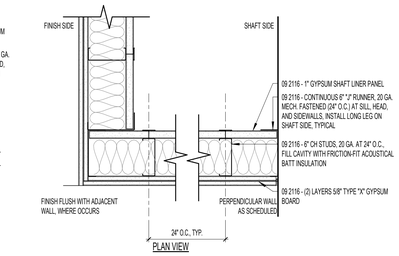
CHASE WALL

C6 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



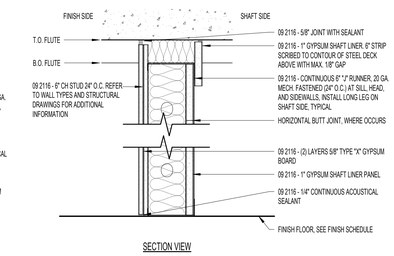
PLAN VIEW

C1 A553 TYPICAL DRYWALL CONTROL JOINT DETAIL
3" = 1'-0"



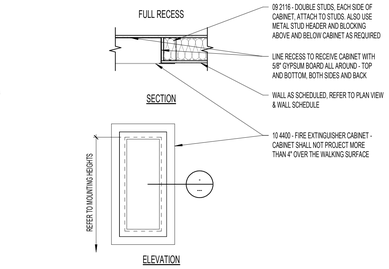
PLAN VIEW

C2 A553 WALL ENCLOSURE DETAIL
1" = 1'-0"

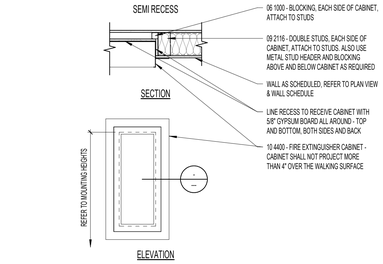


SECTION VIEW

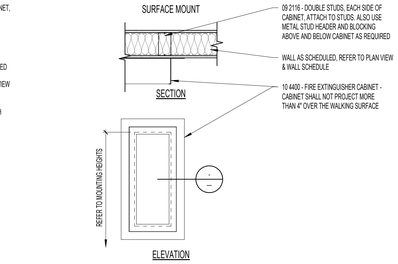
C3 A553 WALL ENCLOSURE DETAIL
1" = 1'-0"



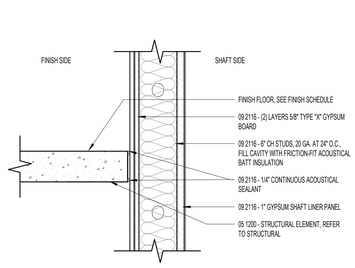
C4 A553 WALL SUPPORT DETAIL
1 1/2" = 1'-0"



C5 A553 WALL MOUNTING PLATE DETAIL
1 1/2" = 1'-0"

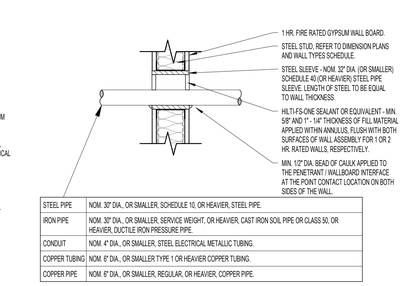


C6 A553 TOP OF WALL DETAIL
1 1/2" = 1'-0"



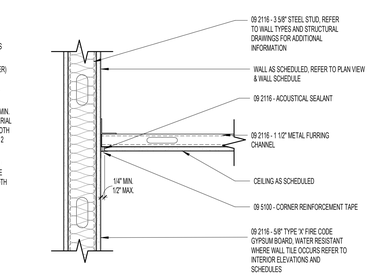
SECTION VIEW

B1 A553 FIRE PROOFING DETAIL
1 1/2" = 1'-0"

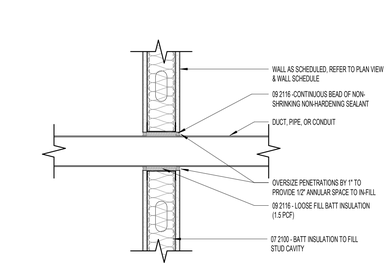


STEEL PIPE	NOM. 30" DIA., OR SMALLER, SCHEDULE 10, OR HEAVIER, STEEL PIPE.
IRON PIPE	NOM. 30" DIA., OR SMALLER, SERVICE WEIGHT, OR HEAVIER, CAST IRON SOIL PIPE OR CLASS 50, OR HEAVIER, DUCTILE IRON PRESSURE PIPE.
CONDUIT	NOM. 4" DIA., OR SMALLER, STEEL ELECTRICAL METALLIC TUBING.
COPPER TUBING	NOM. 6" DIA., OR SMALLER TYPE 1 OR HEAVIER COPPER TUBING.
COPPER PIPE	NOM. 8" DIA., OR SMALLER, REGULAR, OR HEAVIER, COPPER PIPE.

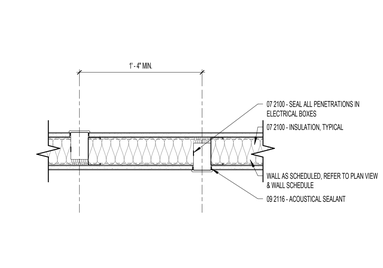
B2 A553 FIRE PROOFING DETAIL
1 1/2" = 1'-0"



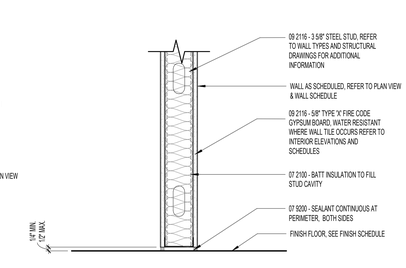
B3 A553 FIRE PROOFING DETAIL
1 1/2" = 1'-0"



B4 A553 FIRE EXTINGUISHER INSTALL DETAIL
3/4" = 1'-0"



A5 A553 STC ACOUSTICAL DETAIL
1 1/2" = 1'-0"



A6 A553 STC ACOUSTICAL DETAIL
1 1/2" = 1'-0"

A1 A553 FIRE PROOFING DETAIL
1 1/2" = 1'-0"

A2 A553 FIRE PROOFING DETAIL
1 1/2" = 1'-0"

A3 A553 STC ACOUSTICAL DETAIL
1 1/2" = 1'-0"

A4 A553 STC ACOUSTICAL DETAIL
1 1/2" = 1'-0"

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SCHOOL DISTRICT

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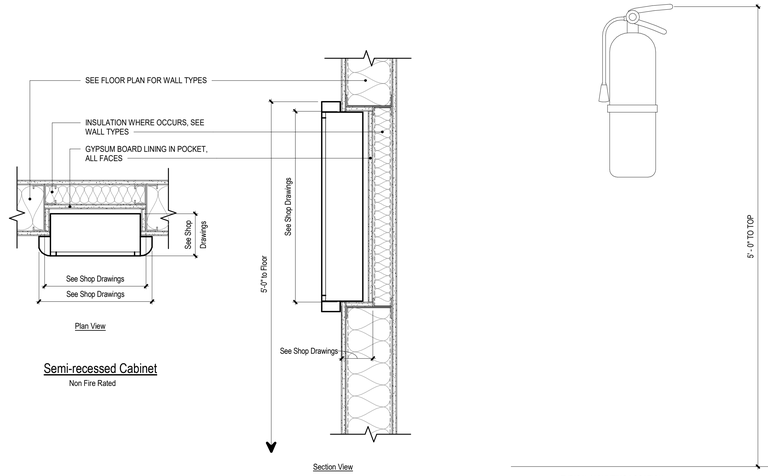
STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

TOP OF WALL DETAILS

A553

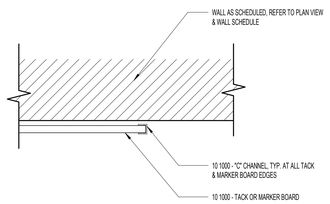


Semi-recessed Cabinet

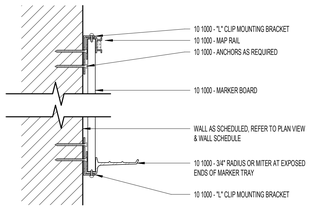
Non Fire Rated

B1 A561 **FIRE EXTINGUISHER CABINET DETAIL - SEMI-RECESSED**
1 1/2" = 1'-0"

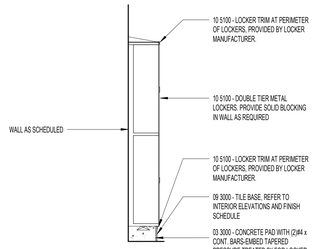
B2 A561 **FIRE EXTINGUISHER DETAIL - HOOK MOUNTED**
1 1/2" = 1'-0"



A1 A561 **TACK BOARD EDGE DETAIL**
3" = 1'-0"



A2 A561 **MARKER BOARD DETAIL**
3" = 1'-0"



A3 A561 **LOCKER SECTION, DOUBLE**
1/2" = 1'-0"

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HYDE PARK ELEMENTARY SCHOOL

333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

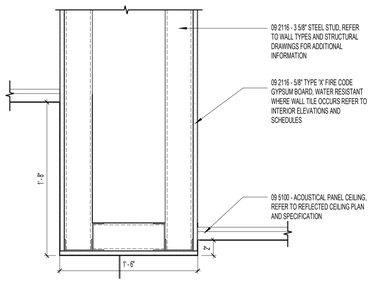
DRAWING ISSUE: BID SET
ISSUE DATE: 02/25/2025
NWL PROJECT: 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

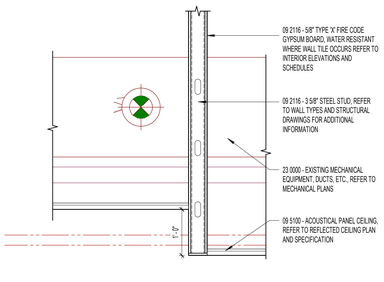
DATE REVISION

MISCELLANEOUS DETAILS

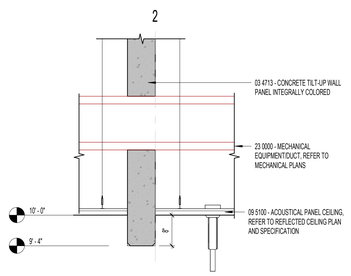
A561



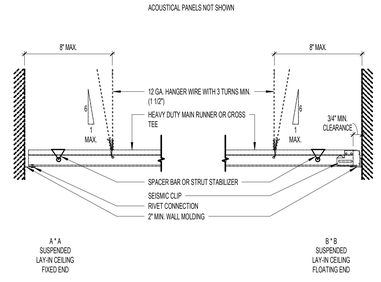
E1 A571 **CEILING DETAIL** 1 1/2" = 1'-0"

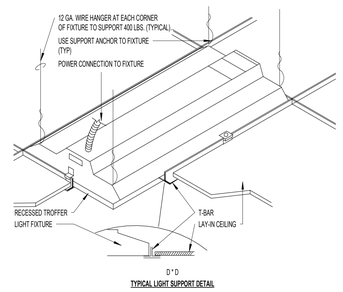


E2 A571 **CEILING DETAIL** 3/4" = 1'-0"

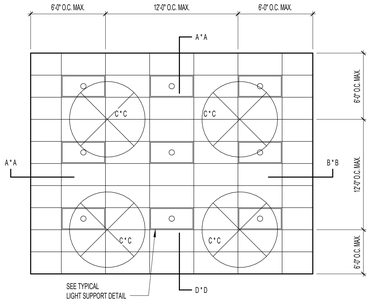


E3 A571 **CEILING DETAIL** 3/4" = 1'-0"





TYPICAL LIGHT SUPPORT DETAIL

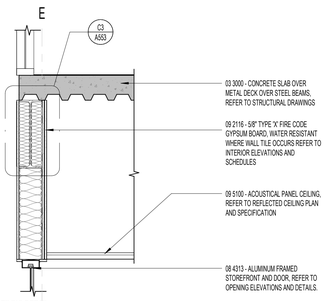


INSTALL CEILING PER ASTM C636 AND ASTM E580 STANDARDS.

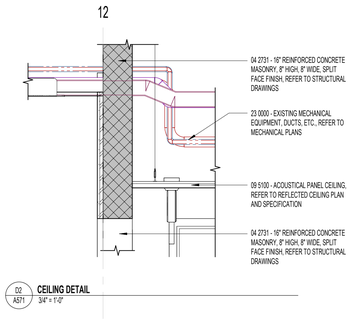
FOR CEILINGS 1,000 SQUARE FEET OR LESS:
HORIZONTAL RESTRAINT SHALL BE AFFECTED BY FOUR NO. 12 GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90° FROM EACH OTHER AT AN ANGLE NOT TO EXCEED 45° FROM THE PLANE OF THE CEILING. THESE RESTRAINT POINTS SHALL BE PLACED 12'-0" O.C. MAX. IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6'-0" FROM EACH WALL AT ONE CORNER OF THE ROOM AND NOT TO EXCEED 6'-0" MAX. FROM ANY WALL AT THE PERIMETER OF APPLICATION. ATTACHMENT OF ALL RESTRAINT WIRES SHALL BE AS PER CISCA STANDARDS AND SHALL BE ADEQUATE FOR THE LOAD IMPOSED.

CEILINGS OVER 2,500 SQUARE FEET SHALL HAVE A SEISMIC SEPERATION JOINT OR BULKHEAD BRACED TO THE STRUCTURE

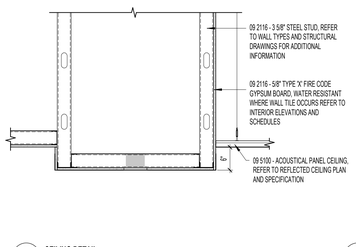
E



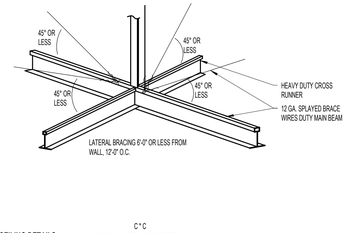
D1 A571 **CEILING DETAIL** 3/4" = 1'-0"



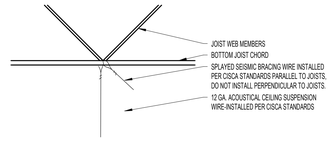
D2 A571 **CEILING DETAIL** 3/4" = 1'-0"



D3 A571 **CEILING DETAIL** 3/4" = 1'-0"



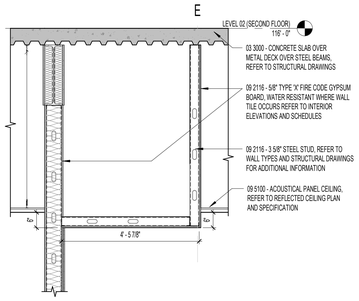
D4 A571 **TYPICAL CEILING DETAILS** 12" = 1'-0"



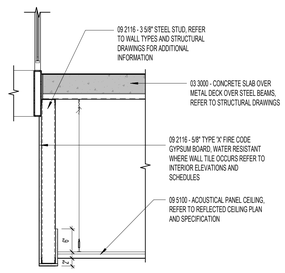
C * C
TYPICAL LATERAL FORCE DETAIL

TYPICAL WIRE CONNECTION TO ROOF JOIST

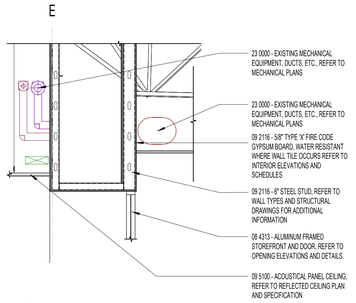
D



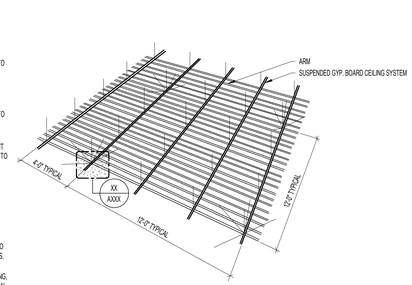
C1 A571 **CEILING DETAIL** 1 1/2" = 1'-0"



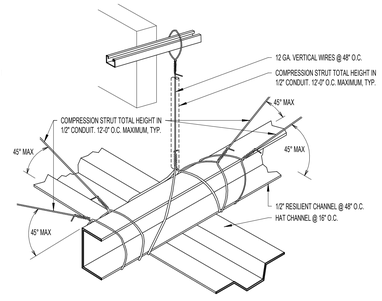
C2 A571 **CEILING DETAIL** 3/4" = 1'-0"

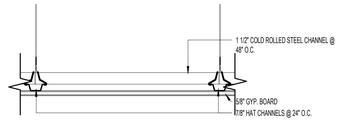


C3 A571 **CEILING DETAIL** 3/8" = 1'-0"

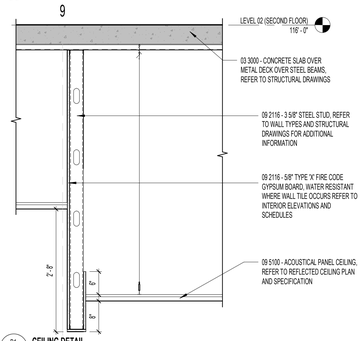


C4 A571 **SUSPENDED CEILING DETAIL** 3" = 1'-0"

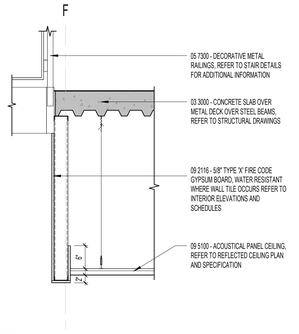




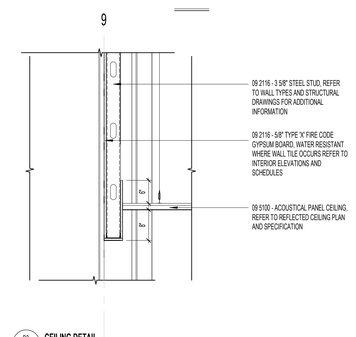
C



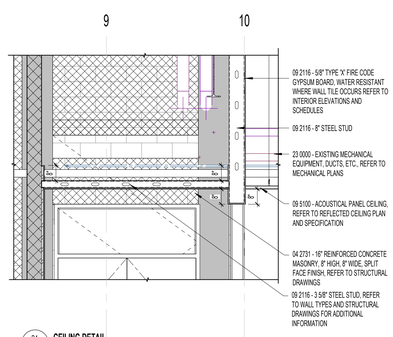
B1 A571 **CEILING DETAIL** 3/4" = 1'-0"



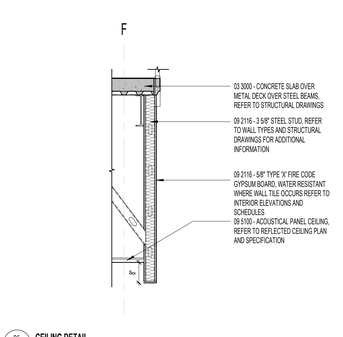
B2 A571 **CEILING DETAIL** 3/4" = 1'-0"



B3 A571 **CEILING DETAIL** 3/4" = 1'-0"

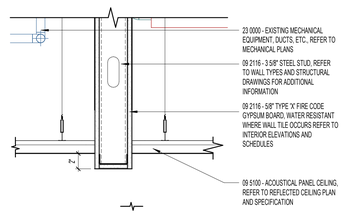


B4 A571 **CEILING DETAIL** 3/8" = 1'-0"

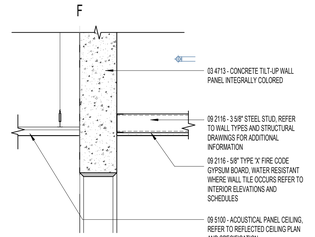


B5 A571 **CEILING DETAIL** 1/2" = 1'-0"

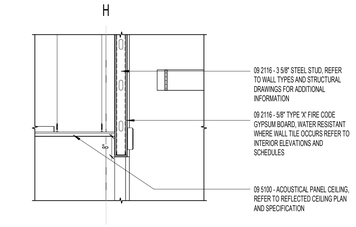
A



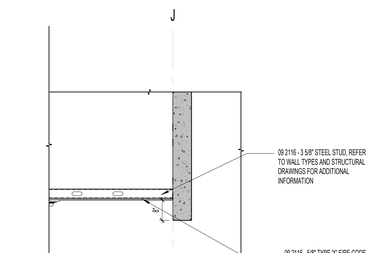
A1 A571 **CEILING DETAIL** 1 1/2" = 1'-0"



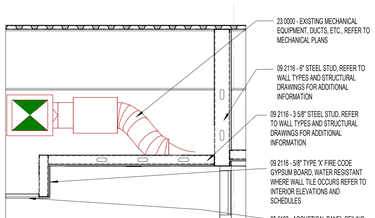
A2 A571 **CEILING DETAIL** 1" = 1'-0"



A3 A571 **CEILING DETAIL** 1/2" = 1'-0"



A4 A571 **CEILING DETAIL** 1/2" = 1'-0"



A5 A571 **CEILING DETAIL** 1/2" = 1'-0"

1 2 3 4 5 6

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a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET	03/25/2025
DRAWING ISSUE	
ISSUE DATE	
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

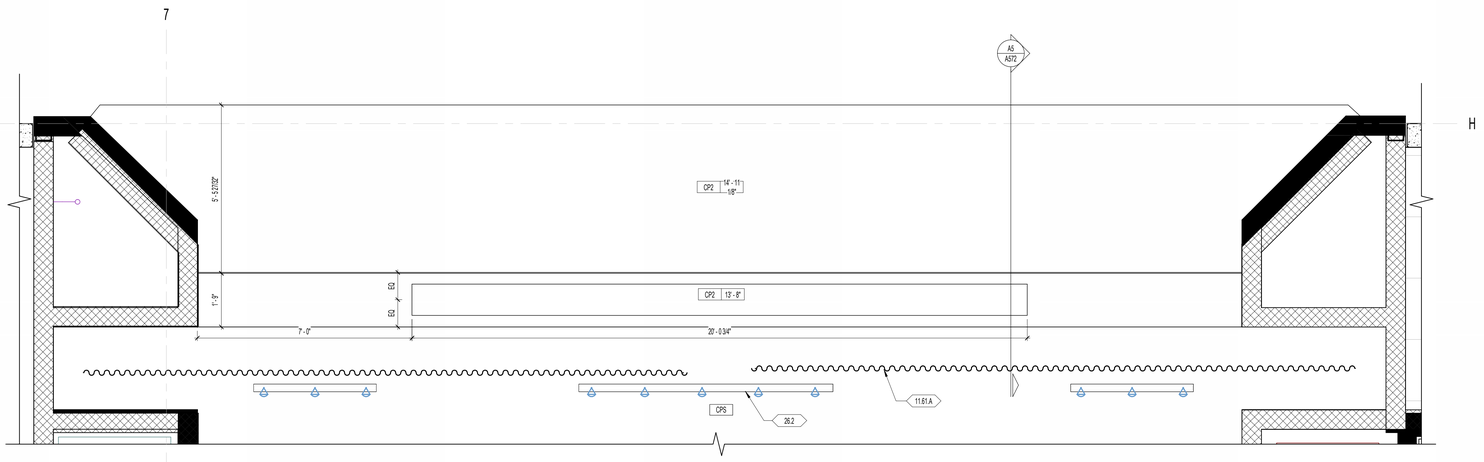
△	DATE REVISION

CEILING DETAILS

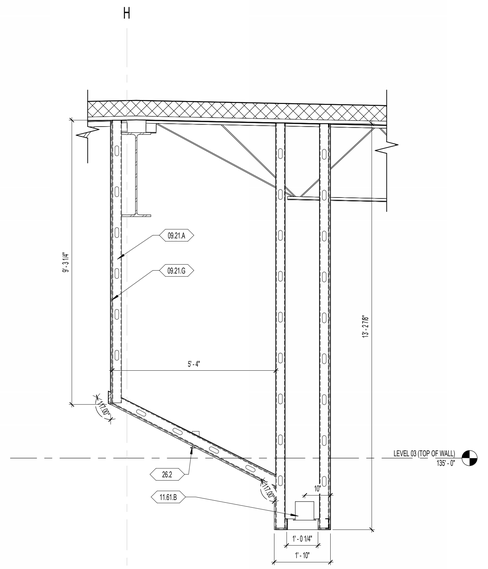
A571



C1 A572 ENLARGED STAGE 3D VIEW



A1 A572 ENLARGED STAGE RCP 1/2" = 1'-0"



A5 A572 CEILING DETAIL 1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

1. REFER TO OVERALL DIMENSION PLANS FOR ALL EXTERIOR DIMENSIONS & EXTERIOR ROUGH OPENINGS. ALL DIMENSIONS ARE TO FACE OF FINISH CONCRETE WALLS, FACE OF METAL STUDS, FACE OF SCHEDULE FINISH WHERE "CLEAR" DIMENSIONS ARE NOTED, CENTERLINE OF COLUMNS, CENTERLINE OF DOOR OPENINGS, AND TO GRIDS, UNLESS NOTED OTHERWISE.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES LEGEND.
3. FOR PROJECT ANNOTATION SYMBOLS, REFER TO SHEET G004 - GENERAL INFORMATION.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
09.21.A	09 2116 - 3 5/8" STEEL STUD, REFER TO WALL TYPES AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
09.21.G	09 2116 - 5/8" TYPE 'X' FIRE CODE GYPSUM BOARD, WATER RESISTANT WHERE WALL TILE OCCURS REFER TO INTERIOR ELEVATIONS AND SCHEDULES
11.61.A	11 6143 - PLATFORM RIGGING AND CURTAINS, REFER TO SPECIFICATION
11.61.B	11 6143 - PROJECTOR SCREEN HOUSING
26.2	26 0000 - LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS

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STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
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DATE	REVISION

CEILING DETAILS

A572

DOOR SCHEDULE

MARK	NAME: TO ROOM (PULL SIDE)	NAME: FROM ROOM (PUSH SIDE)	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR FINISH	DOOR SNG	DOOR PR	DOOR GLS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME TRANSOM	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	GENERAL LBL	GENERAL HDW	GENERAL COMMENTS
LEVEL 01 (MAIN FLOOR)																			
A116	CLASSROOM GRADE 3		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A117	CLASSROOM GRADE 4		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A118	CLASSROOM GRADE 4		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A119	CLASSROOM GRADE 4		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A120A		ENTRY A1	PA02	3' - 0"	7' - 0"								-	A4/A646	C6/A645				
A120B		ENTRY A1	PA02	3' - 0"	7' - 0"								-	A4/A646	A5/A645				
A120C	ENTRY A1		PA02	3' - 0"	7' - 0"								-	D4/A645	1/A551				
A120D	ENTRY A1		PA02	3' - 0"	7' - 0"								-	D4/A645	D5/A645				
A121	CUSTODIAL STORAGE		WD01	3' - 0"	7' - 0"		SINGLE			FM02			G7	A6/A604	A6/A604				45 MINUTE FIRE RATING
A122	CLASSROOM GRADE 5		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A123	CLASSROOM GRADE 5		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A124	CLASSROOM GRADE 5		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A163	CLASSROOM GRADE 3		WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
B101A	WAITING	CORRIDOR B1	PA02	3' - 0"	7' - 0"								-	C4/A645	B5/A645				
B101B	MAIN ENTRY B1	WAITING	PA01	3' - 0"	7' - 0"		SINGLE						-	C4/A645	B5/A645				
B103	SRO	WAITING	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A4/A604	A4/A604				
B104	CONFERENCE	HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A1/A605	A1/A605				
B105	PRINCIPAL	HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A1/A605	A1/A605				
B106	NURSE	ADMIN.	WD01	3' - 0"	7' - 0"		SINGLE			HM01			G5	A4/A604	A4/A604				
B107	RR	NURSE	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
B108A	ADMIN WORKROOM	CORRIDOR B1	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B108B	ADMIN WORKROOM	WAITING	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A4/A604	A4/A604				
B109A	BREAKROOM	HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A4/A604	A4/A604				
B109B	HALL	BREAKROOM	WD01	3' - 0"	7' - 0"		SINGLE			FM04			G5	A4/A604	A4/A604				
B110	COUNSELOR	CORRIDOR B1	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B111	RR	HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
B112	RR	HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
B113A	HALL	CORRIDOR A1	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A605	A2/A605				
B114	MDF	CORRIDOR B1	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B115	CLASSROOM GRADE 3	CORRIDOR B1	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B126	MECH	CORRIDOR B1	WD01	3' - 0"	7' - 0"			DOUBLE		FM02			G6	C3/A604	C3/A604				SOUND RATED DOOR AND FRAME, STC 60
B127	RR	BUILDING RESTROOM	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C2/A604	C2/A604				
B129	RR	BUILDING RESTROOM	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C2/A604	C2/A604				
B131	CUSTODIAL	CUSTODIAL HALL	WD01	3' - 6"	7' - 0"		SINGLE			FM02			G7	A4/A604	A4/A604				45 MINUTE FIRE RATING
B132	TIMEOUT ROOM	CUSTODIAL HALL	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6 - TEMPERED	E5/A604	E5/A604				
B133	RR	ESSENTIAL ELEMENTS	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A3/A604	A3/A604				
B134	ESSENTIAL ELEMENTS STORAGE	ESSENTIAL ELEMENTS	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B135	ESSENTIAL ELEMENTS	HALL	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B137	RESOURCE	HALL	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B138		FIRE RISER	HM01	3' - 6"	7' - 0"		SINGLE			FM02			G1 - TEMPERED	C6/A604	C6/A604				
B139	RESOURCE	HALL	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B140	SLP OFFICE	CORRIDOR B1	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B141A		MAIN ENTRY B1	PA01	3' - 0"	7' - 0"			DOUBLE					-	A4/A646	A5/A645				
B141B		MAIN ENTRY B1	PA01	3' - 0"	7' - 0"			DOUBLE					-	A4/A646	A5/A645				
B141C	MAIN ENTRY B1	CORRIDOR B1	PA01	3' - 0"	7' - 0"			DOUBLE					-	C4/A645	B5/A645				
B141D	MAIN ENTRY B1	CORRIDOR B1	PA01	3' - 0"	7' - 0"								-	C4/A645	D3/A645				
B144	CUSTODIAL HALL	CORRIDOR B1	WD01	3' - 6"	7' - 0"		SINGLE			FM02			G5	A5/A604	A5/604				
B145	ELEC.	CORRIDOR B1	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C3/A604	C3/A604				
LEVEL 02 (SECOND FLOOR)																			
A205	ESL	CORRIDOR B2	WD02	3' - 0"	7' - 0"					FM02			G5	A3/A604	A3/A604				
A209	CLASSROOM ART	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A210	COMPUTER LAB	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A211	CLASSROOM GRADE 2	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A212	CLASSROOM GRADE 2	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
A213	CLASSROOM GRADE 2	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A214	CLASSROOM GRADE 1	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A215	CLASSROOM GRADE 1	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
A216	CLASSROOM GRADE 1	CORRIDOR A2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
B201	ADMIN WORKROOM	CORRIDOR B2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
B202		CORRIDOR B2	PA02	3' - 0"	7' - 0"		SINGLE						G5	D4/A645	C1/A645				
B203A	CORRIDOR B2	MEDIA CENTER	PA02	3' - 0"	7' - 0"		SINGLE						-	D4/A645	D5/A645				
B203B	CORRIDOR B2	MEDIA CENTER	PA02	3' - 0"	7' - 0"			DOUBLE					-	D4/A645	D5/A645				
B206	TIME OUT	CORRIDOR B2	WD02	3' - 0"	7' - 0"					FM02			G6 - TEMPERED	C1/A604	C1/A604				
B207	ART STORAGE	CLASSROOM ART	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	C1/A605	C1/A605				
B208	MEDIA STORAGE	MEDIA CENTER	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	C2/A605	C2/A605				
B217	ELEC.	CORRIDOR B2	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C3/A604	C3/A604				
B218	MULTIPURPOSE ROOM	MULTIPURPOSE STORAGE	HM01	3' - 0"	7' - 0"					FM03			G5 - TEMPERED	C3/A604	C3/A604				
B219		CORRIDOR B2	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C3/A604	C3/A604				
B220	STAGE STORAGE	STAGE	WD01	3' - 0"	7' - 0"		SINGLE			FM01			G5	C5/A604	C5/A604				
B222	BUILDING RESTROOM	RR	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C2/A604	C2/A604				
B223	BUILDING RESTROOM	RR	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	C2/A604	C2/A604				
B226	GYM OFFICE	MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G5 - TEMPERED	C3/A604	C3/A604				
B241A	CLASSROOM PRESCHOOL	CORRIDOR B2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A2/A604	A2/A604				
B241B	CLASSROOM PRESCHOOL		PA01	3' - 0"	7' - 0"		SINGLE						-	B1/A645	E5/A645				
B242	RR	CLASSROOM PRESCHOOL	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
B243	CUSTODIAL	CORRIDOR B2	WD01	3' - 6"	7' - 0"		SINGLE			FM02			G6	A2/A604	A2/A604				
B244	MUSIC STORAGE	CLASSROOM MUSIC	WD02	3' - 6"	7' - 0"		SINGLE			FM02			G5	A1/A605	A1/A605				
B245	CLASSROOM MUSIC	CORRIDOR B2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G8	A2/A604	A2/A604				SOUND RATED DOOR AND FRAME, STC 60
B246	SLP OFFICE	CORRIDOR B2	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
C225A	CORRIDOR C2		WD02	3' - 7 1/2"	7' - 0"			DOUBLE		FM03			G5 - TEMPERED	C3/A604	E1/A605;E2/A605				6" DOOR FRAME THICKNESS, REFER TO DETAILS
C225B		MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"			DOUBLE		FM03			G1 - TEMPERED	C4/A604	C4/A604				
C225C	CORRIDOR B2		WD02	3' - 0"	7' - 0"			DOUBLE		FM03			G5 - TEMPERED	C3/A604	C3/A604				
C227A	MAIN ELEC.	MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G6 -TEMPERED	C3/A604	C3/A604				
C227B	UTILITY YARD	MAIN ELEC.	HM01	4' - 0"	7' - 0"		SINGLE			FM02			G1 - TEMPERED	C6/A604	C6/A604				
C228A	MECH.	MECH.	WD01	3' - 0"	7' - 0"		SINGLE			FM01			G5	C5/A604	C5/A604				
C228B		MECH.	HM01	3' - 0"	7' - 0"			DOUBLE		FM03			G1 - TEMPERED	C6/A604	C6/A604				
C229		MECH.	HM01	3' - 0"	7' - 0"			DOUBLE		FM03			G1 - TEMPERED	C6/A604	C6/A604				
C230A		EXTERIOR STORAGE	HM01	3' - 6"	7' - 0"		SINGLE			FM02			G1 - TEMPERED	C6/A604	C6/A604				
C230B		EXTERIOR STORAGE	OVERHEAD DOOR	10' - 0"	9' - 4"								-	E6/A605	D6/A605				
C231A	KITCHEN	MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"			DOUBLE		FM03			G5 - TEMPERED	E3/A604	E3/A604				
C231B	KITCHEN	MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G5 - TEMPERED	E3/A604	E3/A604				
C231C	KITCHEN	MULTIPURPOSE ROOM	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G5 - TEMPERED	E3/A604	E3/A604				
C231D		KITCHEN	HM01	3' - 6"	7' - 0"		SINGLE			FM02			G1 - TEMPERED	C6/A604	C6/A604				
C232	IDF	CORRIDOR C2	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A6/A604	A6/A604				
C233A	CORRIDOR C2	RECEIVING	WD01	3' - 0"	7' - 0"			DOUBLE		FM03			G6	A6/A604	A6/A604				
C233B		RECEIVING	OVERHEAD DOOR	6' - 0"	9' - 4"								-	E6/A605	D6/A605				
C234	MULTIPURPOSE ROOM	STORAGE	HM01	3' - 0"	7' - 0"			DOUBLE		FM03			G5 - TEMPERED	C3/A604	C3/A604				
C235A	CORRIDOR C2	CLASSROOM KINDERGARTEN	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
C235B		CLASSROOM KINDERGARTEN	PA01	3' - 0"	7' - 0"		SINGLE						-	B1/A645	D2/A645				
C236	RR	CLASSROOM KINDERGARTEN	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				

DOOR SCHEDULE

MARK	NAME: TO ROOM (PULL SIDE)	NAME: FROM ROOM (PUSH SIDE)	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR FINISH	DOOR SNG	DOOR PR	DOOR GLS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME TRANSOM	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	GENERAL LBL	GENERAL HDW	GENERAL COMMENTS
C237	RR	CLASSROOM KINDERGARTEN	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
C238A	CORRIDOR C2	CLASSROOM KINDERGARTEN	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
C238B		CLASSROOM KINDERGARTEN	PA01	3' - 0"	7' - 0"		SINGLE						-	B1/A645	D2/A645				
C239A	CORRIDOR C2	CLASSROOM KINDERGARTEN	WD02	3' - 0"	7' - 0"		SINGLE			FM02			G5	A3/A604	A3/A604				
C239B		CLASSROOM KINDERGARTEN	PA01	3' - 0"	7' - 0"		SINGLE						-	B1/A645	D2/A645				
C240	RR	CLASSROOM KINDERGARTEN	WD01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A2/A605	A2/A605				
C250A		ENTRY C2	PA01	3' - 0"	7' - 0"			DOUBLE						B4/A646	A5/A645				
C250B		ENTRY C2	PA01	3' - 0"	7' - 0"									B4/A646	A5/A645				
C250C	ENTRY C2	CORRIDOR C2	PA01	3' - 0"	7' - 0"									A1/645	D5/A645				
C250D	ENTRY C2	CORRIDOR C2	PA01	3' - 0"	7' - 0"									A1/A645	D5/A645				
C251	STORAGE	CORRIDOR C2	WD01	3' - 6"	7' - 0"		SINGLE			FM02			G6	A3/A605	A3/A605				
C252E	MULTIPURPOSE ROOM	DISHWASH	OVERHEAD DOOR	4' - 0"	8' - 0"								-	E5/A605;E4/A605	D5/A605	B5/A605			
C253	MULTIPURPOSE ROOM	STORAGE	HM01	3' - 6"	7' - 0"		SINGLE			FM02			G5 - TEMPERED	C3/A604	C3/A604				
C254	OFFICE	KITCHEN	HM01	3' - 0"	7' - 0"					FM02			G5	E1/A604	E1/A604				
C255	RR	KITCHEN LOCKER	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G6	A1/A604	A1/A604				
C256	DRY STORAGE	KITCHEN	HM01	3' - 0"	7' - 0"		SINGLE			FM02			G5	A1/A604	A1/A604				

Grand total: 115

GENERAL NOTES - DOOR SCHEDULE

1. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED AND/OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLAN. THE GENERAL INTENT OF THE DETAILS SHALL IN ALL CASES BE FOLLOWED AND THE ARCHITECT CONSULTED SHOULD QUESTIONS ARISE.
2. DOORS TO BE SET TO CLEAR FINISHED FLOOR SURFACE BY 1/2".
3. FIELD VERIFY ALL OPENING DIMENSIONS AND CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL & SUBSEQUENT FABRICATION OF ALL DOOR AND WINDOW FRAMES.
4. GLASS IN HOLLOW METAL FRAMES SHALL BE ON NON-CORRIDOR SIDE. REFER TO GLAZING TYPES IN SPECIFICATIONS FOR DETAIL DESCRIPTIONS.

FINISH SYMBOL LEGEND

BN01 BULLNOSE CORNER, SINGLE: REFER TO DETAIL XX/AXXX.
BN02 BULLNOSE CORNER, DOUBLE: REFER TO DETAIL XX/AXXX.

CH01 CHAMPFER CORNER, SINGLE; REFER TO DETAIL XX/AXXX.
CH02 CHAMPFER CORNER, DOUBLE; REFER TO DETAIL XX/AXXX.

CG01 CORNER GUARD, SINGLE: REFER TO DETAIL XX/AXXX AND FINISH SCHEDULE.
CG02 CORNER GUARD, DOUBLE: REFER TO DETAIL XX/AXXX AND FINISH SCHEDULE.
CG03 DECORATIVE CORNER GUARD; REFER TO DETAIL XX/AXXX AND FINISH SCHEDULE.

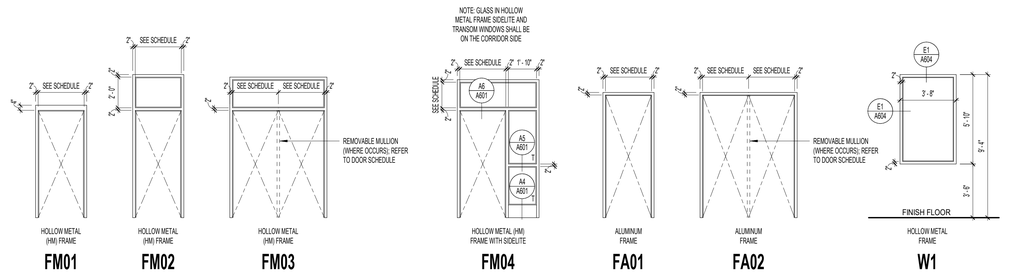
CJ CONTROL JOINT; REFER TO STRUCTURAL DRAWINGS.
EJ EXPANSION JOINT; REFER TO DETAILS ON SHEET AXXX.

TH01 THRESHOLD-ENTRANCE, FLAT; REFER TO DETAILS ON SHEET A620 AND FINISH SCHEDULE.
TH02 THRESHOLD, FLAT; REFER TO DETAILS ON SHEET A620 AND FINISH SCHEDULE.
TH03 THRESHOLD; REFER TO DETAILS ON SHEET A620 AND FINISH SCHEDULE.

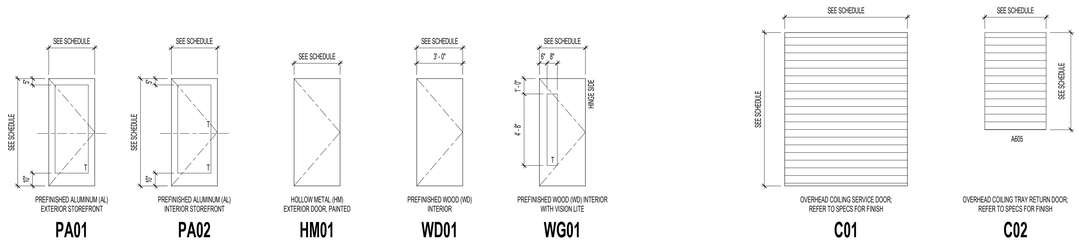
GLAZING FINISH

G1 1" INSULATED GLASS UNIT - CLEAR; LOW-E
G2 1" INSULATED GLASS UNIT - SPANDERAL; LOW-E - COLOR #1
G3 1" INSULATED LAMINATED GLASS - CLEAR; LOW-E
G4 1" LAMINATED GLASS - CLEAR
G5 1/4" FLOAT GLASS - CLEAR
G6 1/4" FLOAT GLASS - ACID ETCHED
G7 3/16" FLOAT GLASS - 20-90 MINUTE FIRE RATING
G8 1/2" SOUND RATED GLAZING, TRANSOM WINDOW AT BAND ROOM

SB SHADOW BOX, REFER TO OPENING ELEVATIONS & DETAILS
T TEMPERED, SAFETY GLASS



DOOR FRAME ELEVATIONS
1/4" = 1'-0"



DOOR PANEL ELEVATIONS
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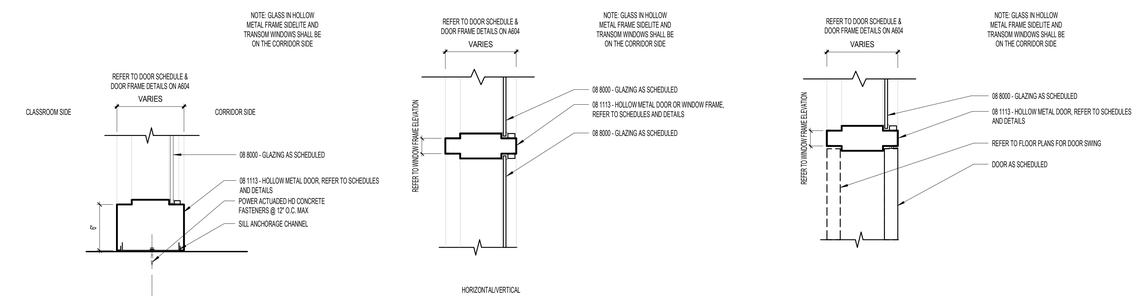


A4 / A601 SIDELITE SILL DETAIL
1 1/2" = 1'-0"

A5 / A601 INTERIOR MULLION DETAIL
1 1/2" = 1'-0"

A6 / A601 TRANSOM AND DOOR MULLION DETAIL
1 1/2" = 1'-0"

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

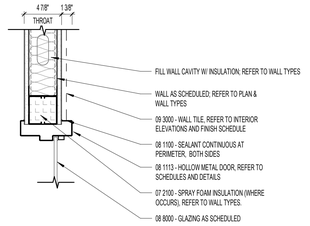
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS #319164 #183992 #7247356
LICENSED ARCHITECT

DATE	REVISION

DOOR SCHEDULE & HARDWARE

A601



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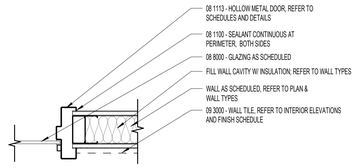
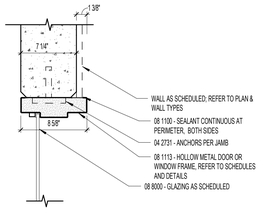


JAMB DETAIL



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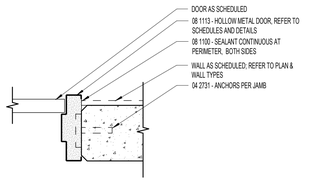

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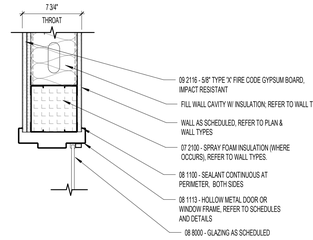

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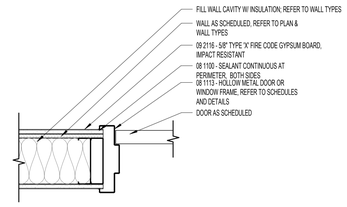


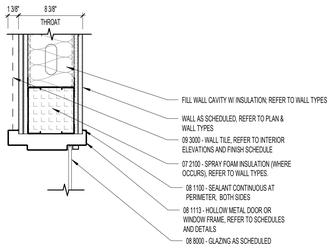
JAMB DETAIL

E1 A604 **HOLLOW METAL FRAME DETAILS FOR KITCHEN INTERIOR DOOR AND WINDOW**
1 1/2" = 1'-0"

E3 A604 **HOLLOW METAL FRAME DETAILS @ TILT UP PANELS W/ TILE**
1 1/2" = 1'-0"

E5 A604 **HOLLOW METAL FRAME DETAILS @ LVL 1 TIME OUT**
1 1/2" = 1'-0"

E



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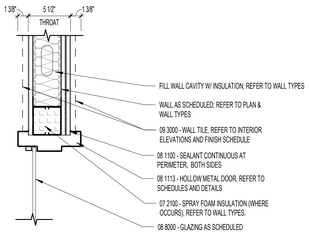

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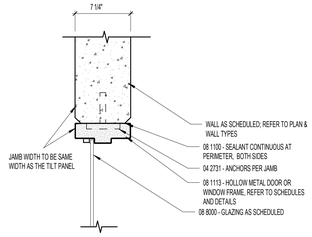

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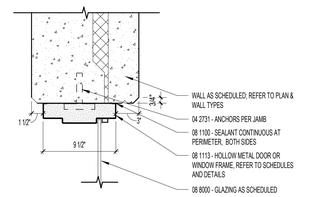

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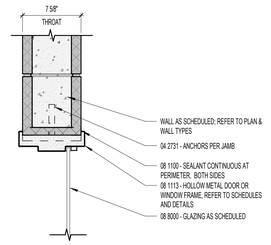

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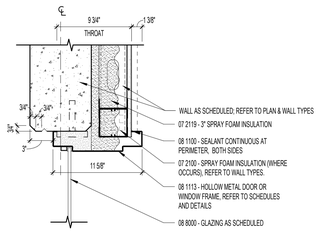

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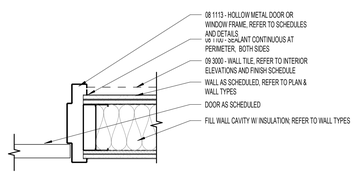

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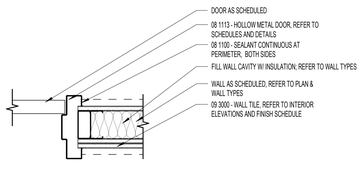

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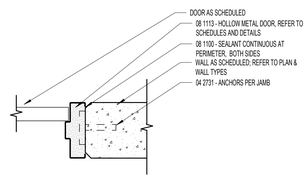

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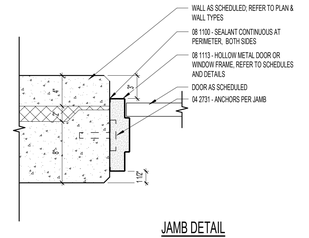

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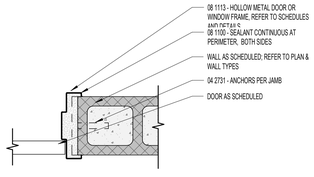

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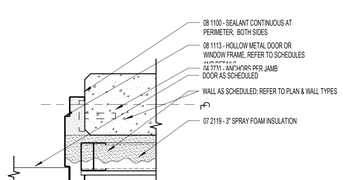


JAMB DETAIL

C1 A604 **HOLLOW METAL FRAME DETAILS @ LVL 2 TIMEOUT**
1 1/2" = 1'-0"

C2 A604 **TYPICAL HOLLOW METAL FRAME DETAILS @ RESTROOMS**
1 1/2" = 1'-0"

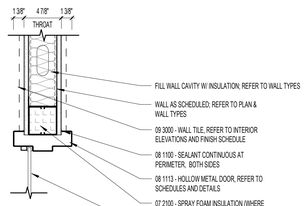
C3 A604 **TYPICAL HOLLOW METAL FRAME DETAILS @ TILT UP PANELS**
1 1/2" = 1'-0"

C4 A604 **HOLLOW METAL FRAME DETAILS FOR SANDWICH PANELS**
1 1/2" = 1'-0"

C5 A604 **HOLLOW METAL DOOR DETAILS @ CMU ON THE STAGE**
1 1/2" = 1'-0"

C6 A604 **TYPICAL HOLLOW METAL FRAME DETAILS ON EXTERIOR WALLS**
1 1/2" = 1'-0"

C



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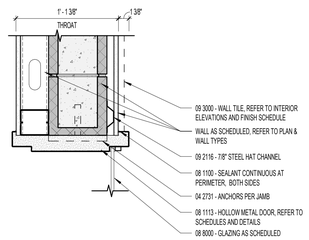

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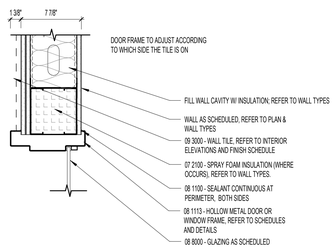

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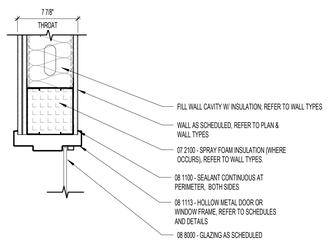
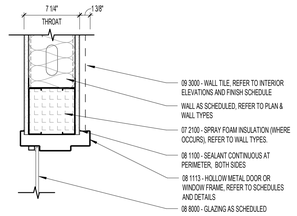


HEAD DETAIL



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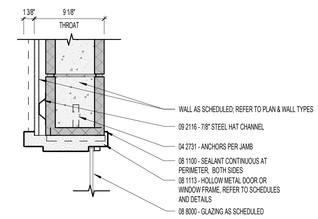

HEAD DETAIL

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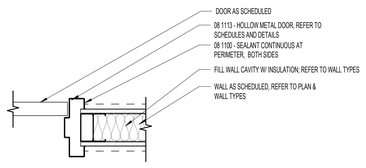
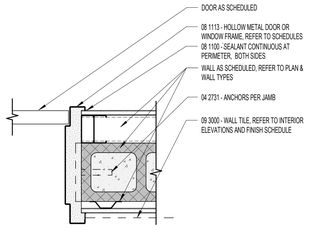


JAMB DETAIL



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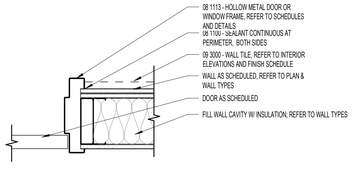

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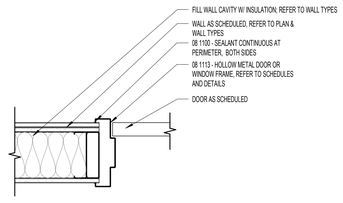

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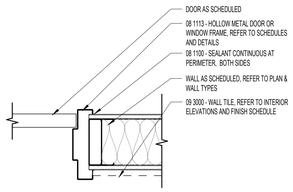
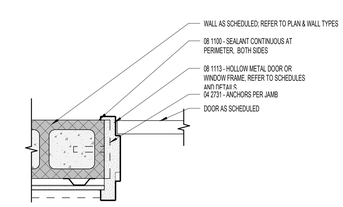


JAMB DETAIL



JAMB DETAIL

A1 A604 **TYPICAL HOLLOW METAL FRAME DETAILS IN THE KITCHEN**
1 1/2" = 1'-0"

A2 A604 **TYPICAL HOLLOW METAL FRAME DETAILS @ METAL STUD ON CMU**
1 1/2" = 1'-0"

A3 A604 **TYPICAL HOLLOW METAL FRAME DETAILS @ 6" METAL STUDS 2/ DOUBLE GYP**
1 1/2" = 1'-0"

A4 A604 **HOLLOW METAL FRAME DETAILS @ CUSTODIAL CLOSET**
1 1/2" = 1'-0"

A5 A604 **HOLLOW METAL FRAME DETAILS @ METAL STUDS UNDER STAIRS**
1 1/2" = 1'-0"

A6 A604 **TYPICAL HOLLOW METAL DOOR DETAILS @ CMU**
1 1/2" = 1'-0"

A

1 2 3 4 5 6

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

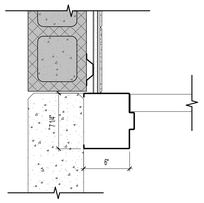
BID SET 03/25/2025
DRAWING ISSUE
ISSUE DATE 01/10/202
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

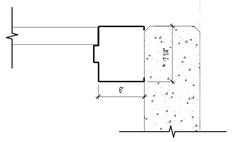
DATE REVISION

DOOR FRAME DETAILS

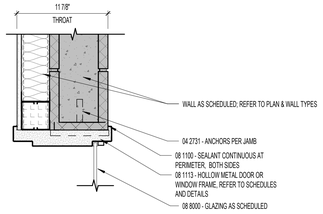
A604



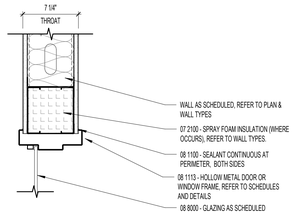
E1 A605 **6" JAMB DETAIL** 1 1/2" = 1'-0"



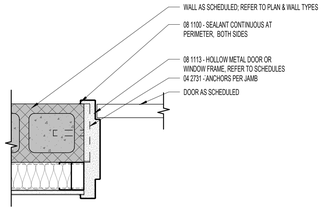
E2 A605 **6" JAMB DETAIL** 1 1/2" = 1'-0"



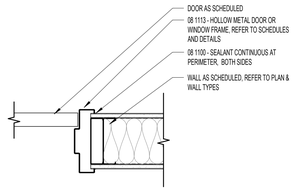
HEAD DETAIL



HEAD DETAIL



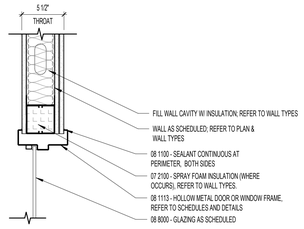
JAMB DETAIL



JAMB DETAIL

C1 A605 **HOLLOW METAL DOOR FRAME @ ART STORAGE** 1 1/2" = 1'-0"

C2 A605 **HOLLOW METAL DOOR FRAME @ MEDIA STORAGE** 1 1/2" = 1'-0"



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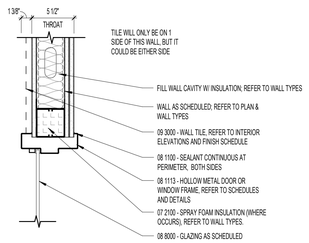

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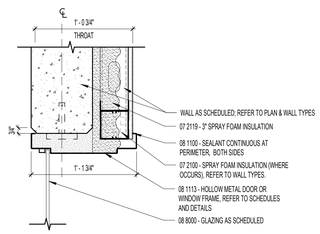
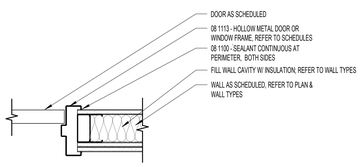
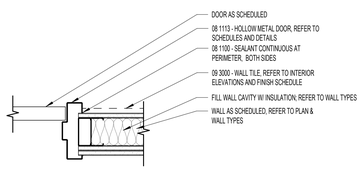


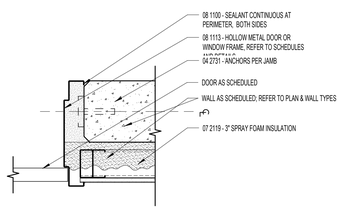
HEAD DETAIL



JAMB DETAIL



JAMB DETAILS

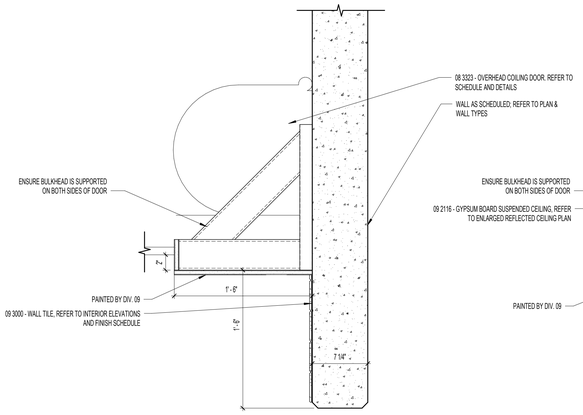


JAMB DETAIL

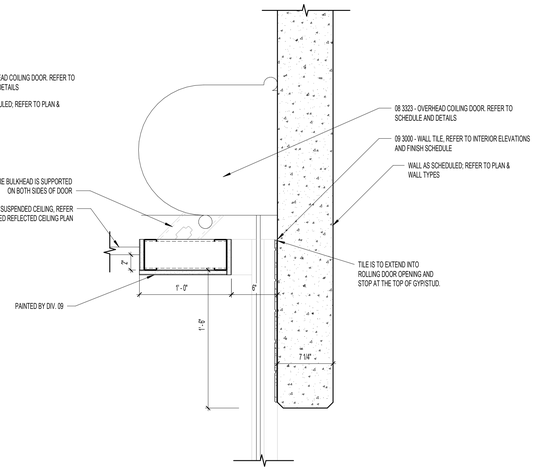
A1 A605 **TYPICAL HOLLOW METAL FRAME DETAILS** 1 1/2" = 1'-0"

A2 A605 **TYPICAL HOLLOW METAL FRAME DETAILS** 1 1/2" = 1'-0"

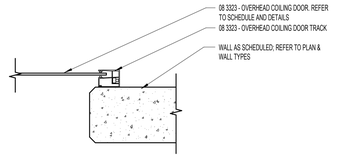
A3 A605 **HOLLOW METAL DOOR FRAME @ STORAGE** 1 1/2" = 1'-0"



E4 A605 **OVERHEAD DOOR @ TRAY RETURN FRAMING DETAIL** 1 1/2" = 1'-0"

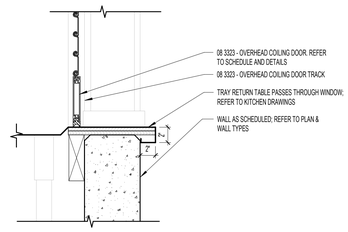


E5 A605 **OVERHEAD DOOR @ TRAY RETURN HEAD DETAIL** 1 1/2" = 1'-0"



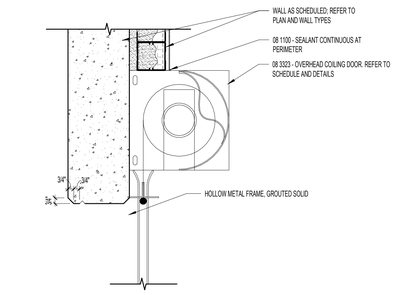
TRAY RETURN JAMB DETAIL

D5 A605 **TRAY PASS THROUGH WINDOW JAMB DETAIL** 1 1/2" = 1'-0"



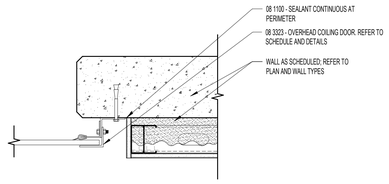
TRAY RETURN SILL DETAIL

B5 A605 **TRAY PASS THROUGH WINDOW SILL DETAIL** 1 1/2" = 1'-0"



OVERHEAD DOOR HEAD DETAIL

E6 A605 **ROLLING DOOR DETAILS** 1 1/2" = 1'-0"



OVERHEAD DOOR JAMB DETAIL

D6 A605 **ROLLING DOOR DETAILS** 1 1/2" = 1'-0"

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL

333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
WWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

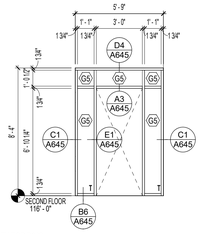
△	DATE	REVISION

DOOR FRAME DETAILS

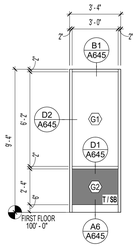
A605

GLAZING FINISH

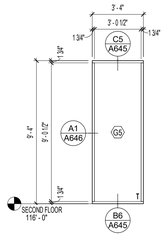
G1	1" INSULATED GLASS UNIT - CLEAR, LOW-E
G2	1" INSULATED GLASS UNIT - SPANDERAL, LOW-E - COLOR #1
G3	1" INSULATED LAMINATED GLASS - CLEAR, LOW-E
G4	1" LAMINATED GLASS - CLEAR
G5	1/4" FLOAT GLASS - CLEAR
G6	1/4" FLOAT GLASS - ACID ETCHED
G7	3/16" FLOAT GLASS - 20-90 MINUTE FIRE RATING
G8	1/2" SOUND RATED GLAZING, TRANSOM WINDOW AT BAND ROOM
SB	SHADOW BOX. REFER TO OPENING ELEVATIONS & DETAILS
T	TEMPERED, SAFETY GLASS



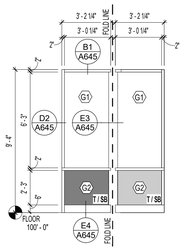
S20 - READING FACILITATOR B202
1/4" = 1'-0"



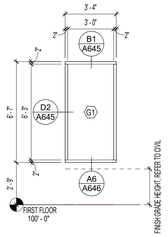
S21 - TYPICAL CLASSROOM WINDOW
1/4" = 1'-0"



S22 - MULTIPURPOSE A225
1/4" = 1'-0"

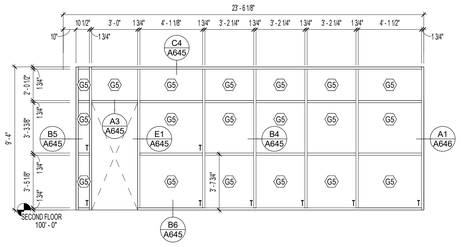


S23 - CORNER WINDOW
1/4" = 1'-0"

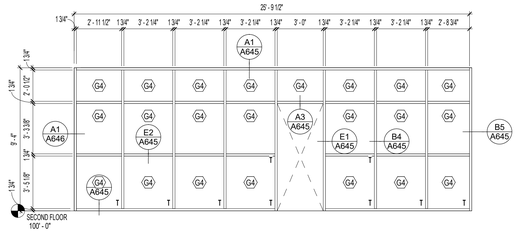


S24 - TYPICAL EAST CLASSROOM
1/4" = 1'-0"

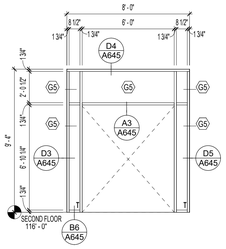
E



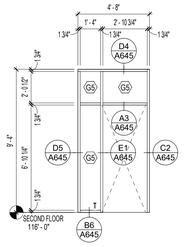
S14 - ADMIN WAITING A101
1/4" = 1'-0"



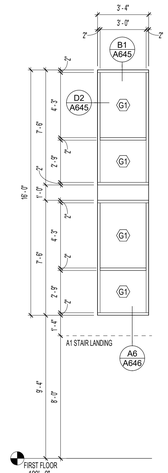
S16 - ADMIN WAITING A101
1/4" = 1'-0"



S18 - MEDIA CENTER A203
1/4" = 1'-0"

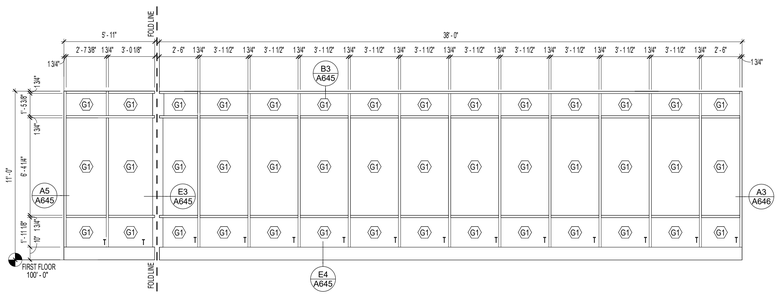


S19 - MEDIA CENTER A203
1/4" = 1'-0"

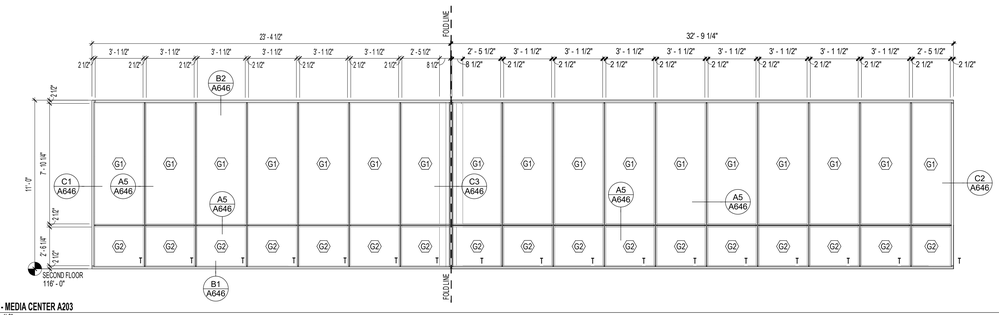


S17 - STAIR A1 ST2
1/4" = 1'-0"

D

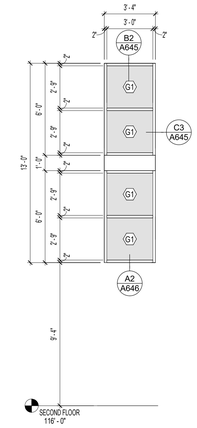


S12 - ADMIN BREAKROOM A109
1/4" = 1'-0"

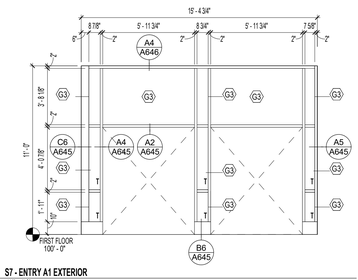


C13 - MEDIA CENTER A203
1/4" = 1'-0"

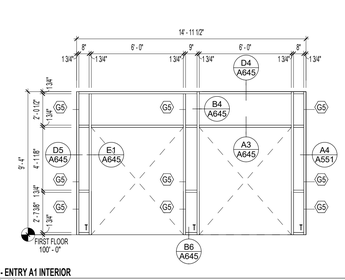
C



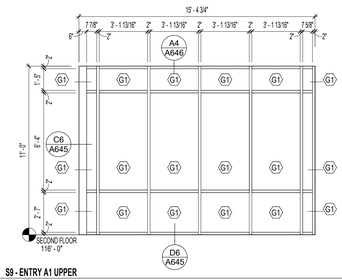
S10 - MULTIPURPOSE A225
1/4" = 1'-0"



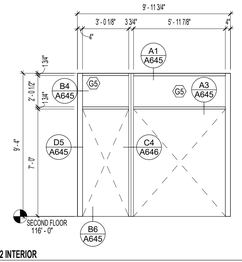
S7 - ENTRY A1 EXTERIOR
1/4" = 1'-0"



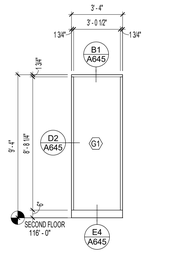
S8 - ENTRY A1 INTERIOR
1/4" = 1'-0"



S9 - ENTRY A1 UPPER
1/4" = 1'-0"

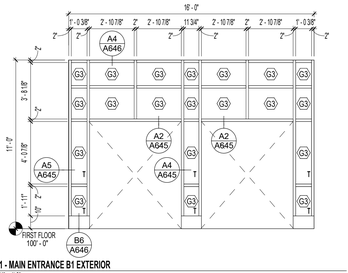


S11 - ENTRY C2 INTERIOR
1/4" = 1'-0"

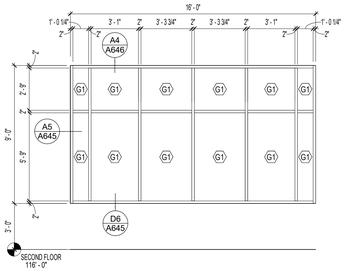


S25 - STAIR A1 ST2
1/4" = 1'-0"

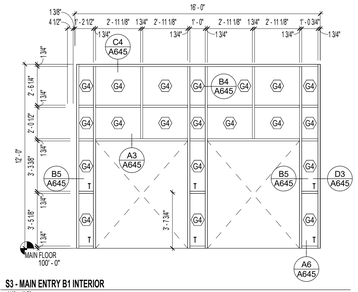
B



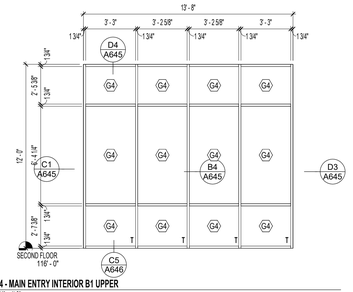
S1 - MAIN ENTRANCE B1 EXTERIOR
1/4" = 1'-0"



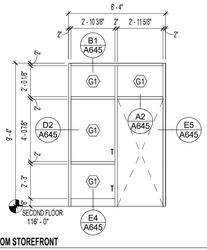
S2 - MAIN ENTRANCE EXTERIOR B1 UPPER
1/4" = 1'-0"



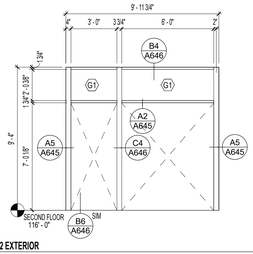
S3 - MAIN ENTRY B1 INTERIOR
1/4" = 1'-0"



S4 - MAIN ENTRY INTERIOR B1 UPPER
1/4" = 1'-0"



S5 - TYPICAL CLASSROOM STOREFRONT
1/4" = 1'-0"



S6 - ENTRY C2 EXTERIOR
1/4" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

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333 EAST 300 NORTH
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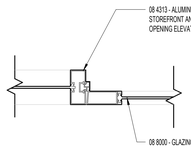
BID SET	
ISSUE DATE	03/25/2025
DRAWING ISSUE	01/10/202
WWL PROJECT	

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

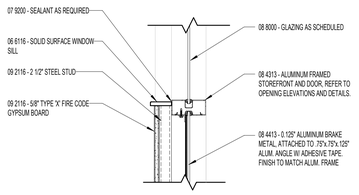
△ DATE	REVISION

STOREFRONT ELEVATIONS

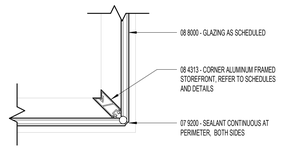
A641



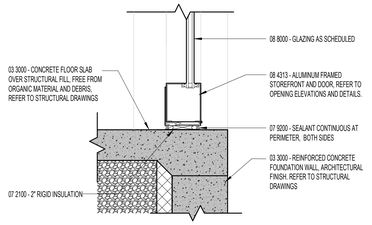
E1 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"



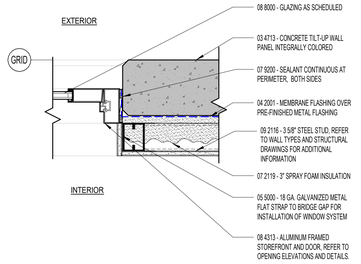
E2 / A645 **STOREFRONT HEAD MULLION DETAIL**
1 1/2" = 1'-0"



E3 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

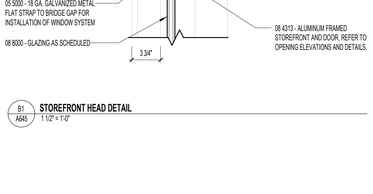


E4 / A645 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"

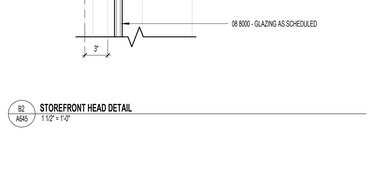


E5 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

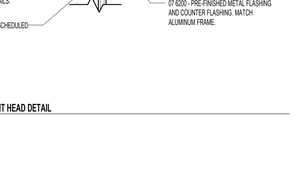
D



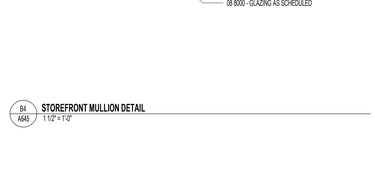
D1 / A645 **STOREFRONT HEAD MULLION DETAIL**
1 1/2" = 1'-0"



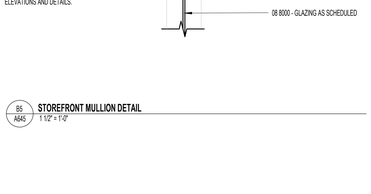
D2 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"



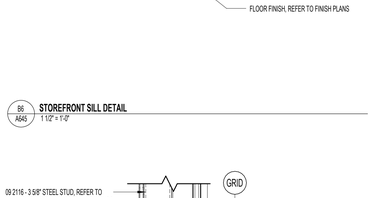
D3 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"



D4 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"



D5 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"



D6 / A645 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"

C

C1 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

C2 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

C3 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

C4 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

C5 / A645 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"

C6 / A645 **STOREFRONT CORNER JAMB DETAIL**
1 1/2" = 1'-0"

B

B1 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

B2 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

B3 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

B4 / A645 **STOREFRONT MULLION DETAIL**
1 1/2" = 1'-0"

B5 / A645 **STOREFRONT MULLION DETAIL**
1 1/2" = 1'-0"

A1 / A645 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

A2 / A645 **STOREFRONT HEAD MULLION DETAIL**
1 1/2" = 1'-0"

A3 / A645 **STOREFRONT HEAD MULLION DETAIL**
1 1/2" = 1'-0"

A4 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

A5 / A645 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

A6 / A645 **STOREFRONT SILL DETAIL**
1 1/2" = 1'-0"

A

1 2 3 4 5 6

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HYDE PARK ELEMENTARY SCHOOL
331 EAST 300 NORTH
HYDE PARK CITY, UT
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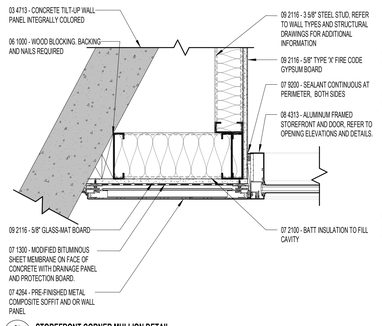
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0116.002

STATE OF UTAH
NAYLOR WENTWORTH LUND
ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

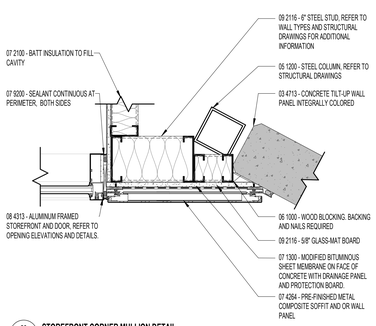
△	DATE	REVISION

STOREFRONT DETAILS

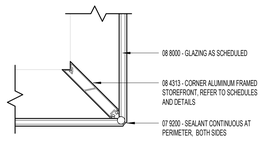
A645



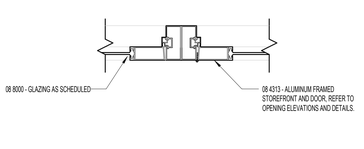
C1 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



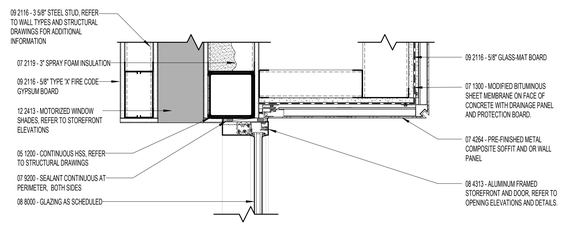
C2 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



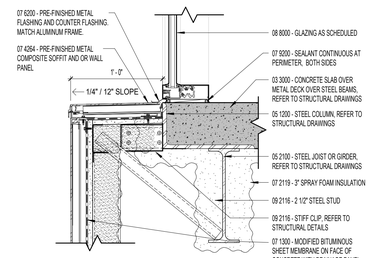
C3 A646 **STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"



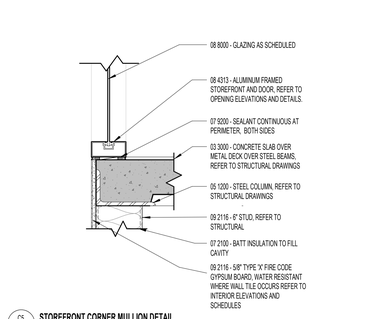
C4 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



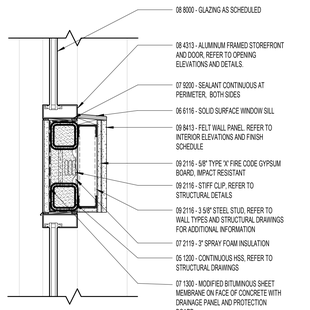
B2 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



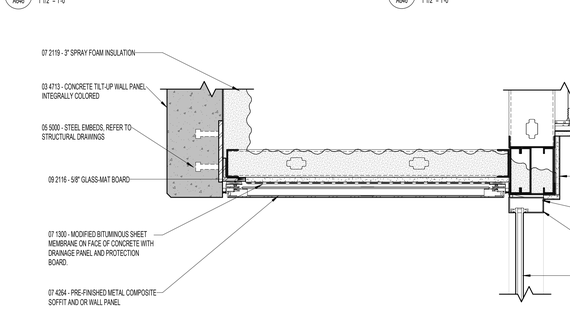
B1 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



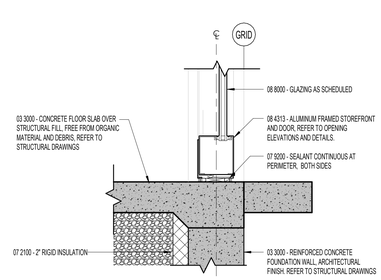
C5 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



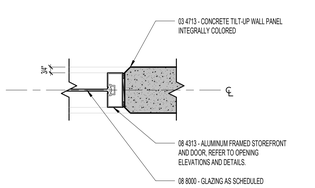
B3 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



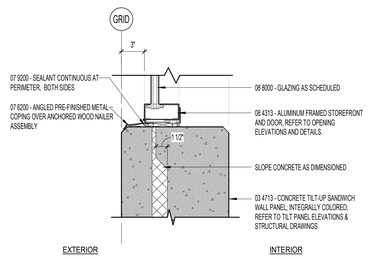
B4 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



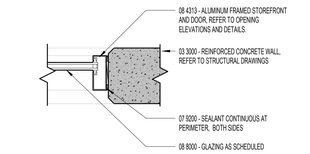
B6 A646 **STOREFRONT SILL DETAIL**
1 1/2" = 1'-0"



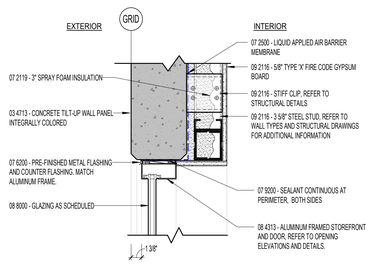
A1 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



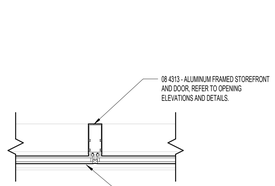
A2 A646 **STOREFRONT SILL DETAIL**
1 1/2" = 1'-0"



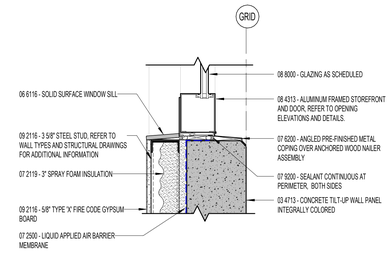
A3 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



A4 A646 **STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"



A5 A646 **STOREFRONT CORNER MULLION DETAIL**
1 1/2" = 1'-0"



A6 A646 **STOREFRONT SILL DETAIL**
1 1/2" = 1'-0"

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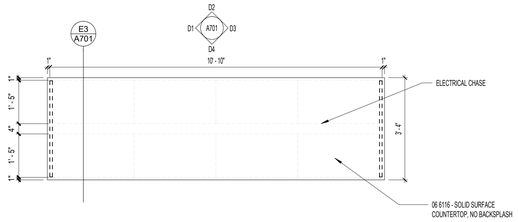
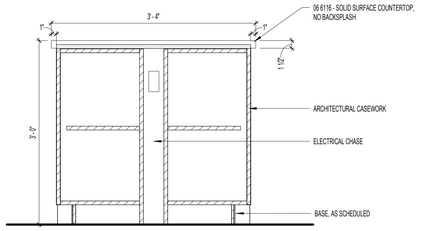
STOREFRONT DETAILS

A646

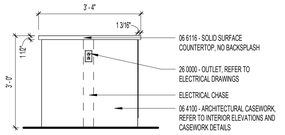


E1 / A701 **A108 - ADMIN WORKROOM ISLAND**
1/2" = 1'-0"

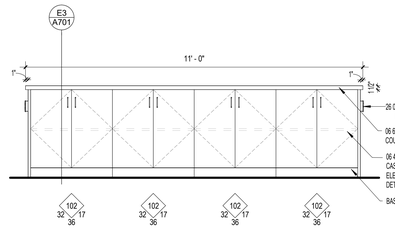


E3 / A701 **A108 - ADMIN WORKROOM ISLAND (SECTION)**
1" = 1'-0"

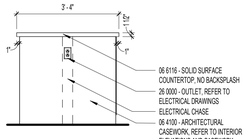
E



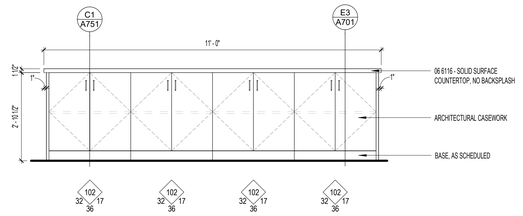
D1 / A701 **A108 - ADMIN WORKROOM ISLAND - NORTH**
1/2" = 1'-0"



D2 / A701 **A180 - ADMIN WORKROOM - EAST**
1/2" = 1'-0"



D3 / A701 **A180 - ADMIN WORKROOM - SOUTH**
1/2" = 1'-0"



D4 / A701 **A180 - ADMIN WORKROOM WEST**
1/2" = 1'-0"

D

B1 / A701 **A201 - ADMIN WORKROOM - ISLAND B**
1/2" = 1'-0"

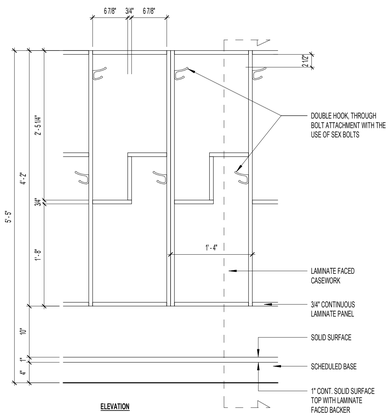
A1 / A701 **A201 - ADMIN WORKROOM - ISLAND B**
1/2" = 1'-0"

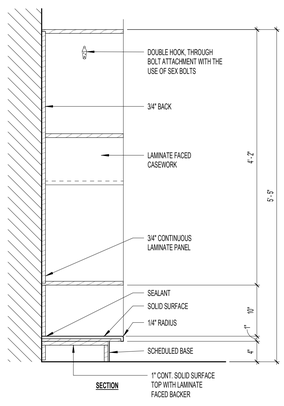
A2 / A701 **A201 - ADMIN WORKROOM - ISLAND B**
1/2" = 1'-0"

A3 / A701 **A201 - ADMIN WORKROOM - ISLAND B**
1/2" = 1'-0"

A4 / A701 **A201 - ADMIN WORKROOM - ISLAND B**
1/2" = 1'-0"

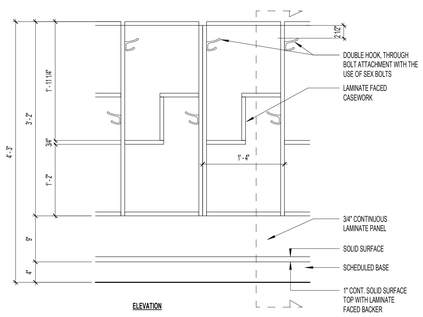
C

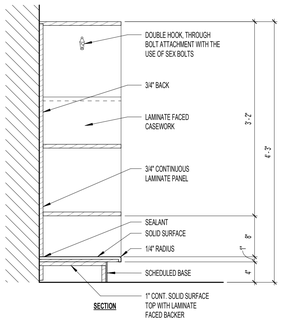




1 / A701 **CABINET DETAIL - LEARNING STUDIO CUBBIES**
1" = 1'-0"

B





2 / A701 **CABINET DETAIL - LEARNING STUDIO CUBBIES KINDERGARTEN**
1" = 1'-0"

A

1 2 3 4 5 6

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A. ALL COUNTERTOPS WHERE SINKS ARE LOCATED TO HAVE CONTINUOUS 4" HIGH BACKSPLASH AND ENDSPLASH, UNLESS NOTED OTHERWISE.

B. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED IN ELEVATION, MOUNTED WITH TOP AT 84" AFF.

C. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTERTOP TO FACE OF WALL OR ADJACENT TALL CABINET AS NECESSARY.

D. ALL TEACHER TALL CABINET CASEWORK DOORS

E. ALL BASE CABINETS AND FILING CABINETS SHALL BE SET BACK 3/4"-1" FROM EDGE OF COUNTERTOP OR WORKSURFACE, UNLESS NOTED OTHERWISE ON DRAWINGS OR A TALL CABINET IS ADJACENT TO THE WORKSURFACE AND BASE CABINETS.

F. TALL CABINETS SHOULD BE THE SAME DEPTH AS ADJACENT WORKSURFACE, UNLESS NOTED OTHERWISE.

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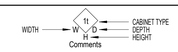
CASEWORK LEGEND (SALT LAKE CITY)



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BT*=BASE TOTE	T=TALL CABINET	W=WALL CABINET
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MBSM=MOBILE BASE SEWING	TH*=TALL HAT	WM=WALL MICROWAVE

SUFFIX DESCRIPTION

DS=DUAL SIDED	FGD=FRAMED GLASS DOOR	SMS=SLOPED BOOK SHELVES
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naylor wentworth lund
a r c h i t e c t s

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02/25/2025
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NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
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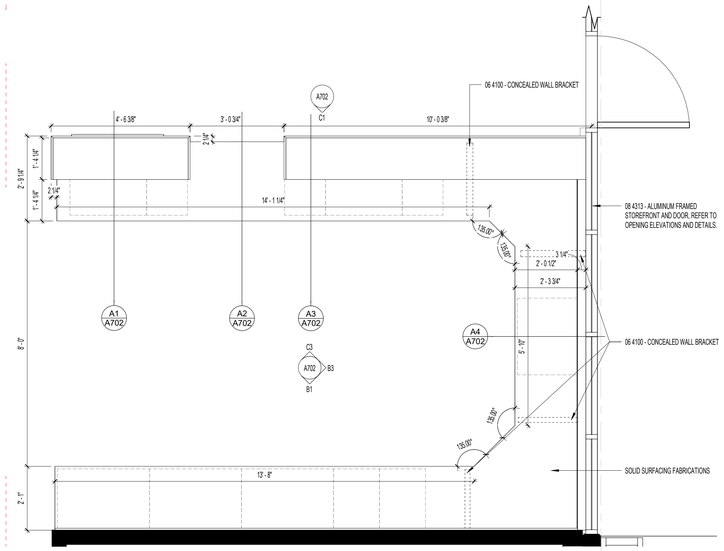
LICENSED ARCHITECT

△ DATE REVISION

MILLWORK & CASEWORK DETAILS

A701



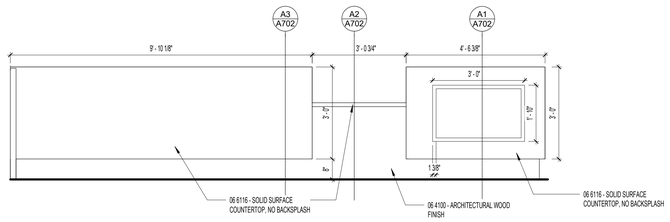
D1 / A702 **ENLARGED PLAN - ADMIN RECEPTION DESK**
1/2" = 1'-0"

D2 / A111 / D4

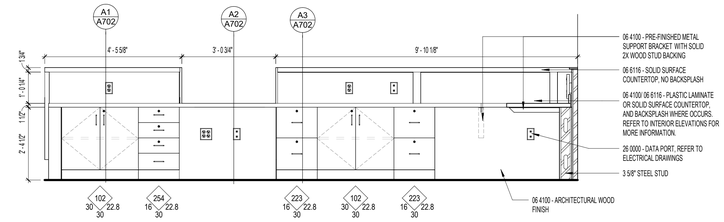
E

9

D

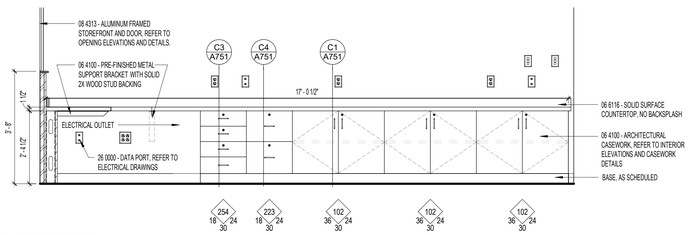


C1 / A702 **FRONT - ADMIN RECEPTION DESK**
1/2" = 1'-0"

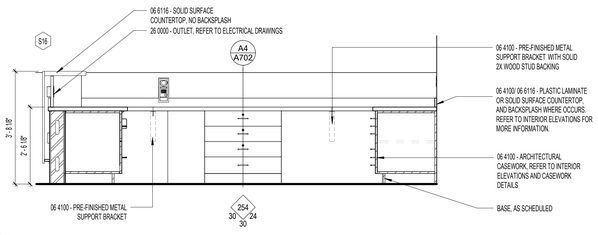


C3 / A702 **EAST - ADMIN RECEPTION DESK**
1/2" = 1'-0"

C



B1 / A702 **WEST - ADMIN RECEPTION DESK**
1/2" = 1'-0"



B3 / A702 **SOUTH - ADMIN RECEPTION DESK**
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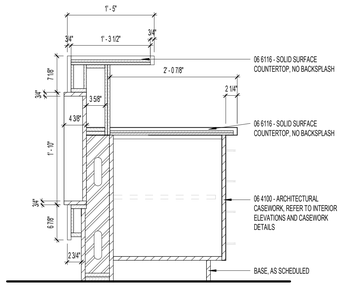
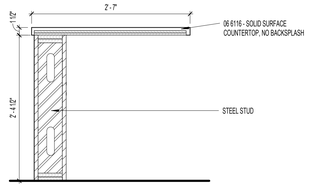
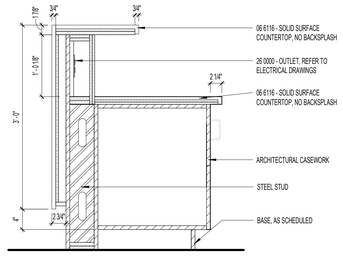
B



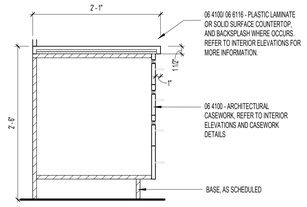
A1 / A702 **CASEWORK_ADMIN_SECTION 1**
1" = 1'-0"



A2 / A702 **CASEWORK_ADMIN_SECTION 2**
1" = 1'-0"



A3 / A702 **CASEWORK_ADMIN_SECTION 3**
1" = 1'-0"



A4 / A702 **CASEWORK_ADMIN_SECTION 4**
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A

1 | 2 | 3 | 4 | 5 | 6

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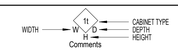

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EXAMPLES

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

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333 EAST 300 NORTH
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84318

BID SET 03/25/2025
DRAWING ISSUE 01/10.002
ISSUE DATE
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NAYLOR WENTWORTH LUND ARCHITECTS
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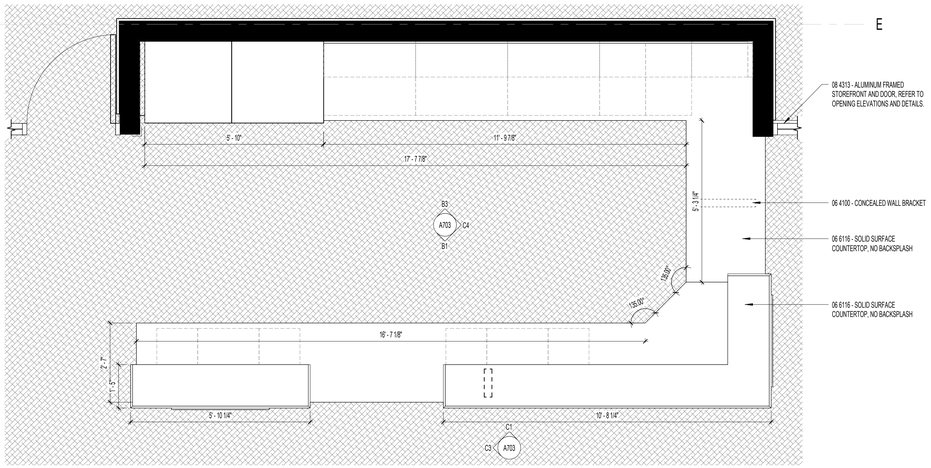
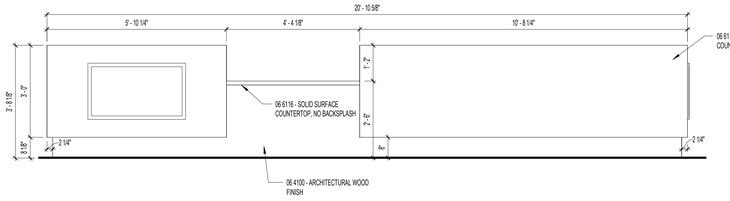
MILLWORK & CASEWORK DETAILS ADMIN DESK

A702



D1 A703 **ENLARGED PLAN - MEDIA DESK**
1/2" = 1'-0"



C1 A703 **FRONT EAST - MEDIA DESK**
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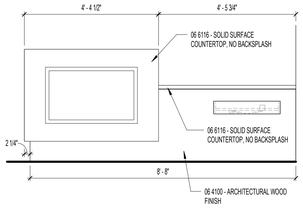
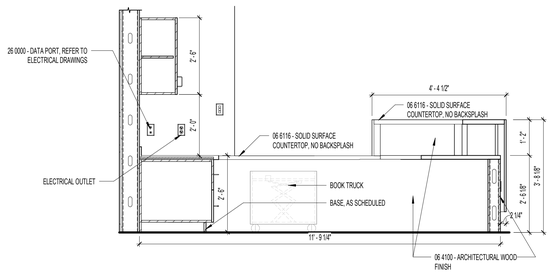


C3 A703 **FRONT NORTH - MEDIA DESK**
1/2" = 1'-0"



C4 A703 **SOUTH - MEDIA DESK**
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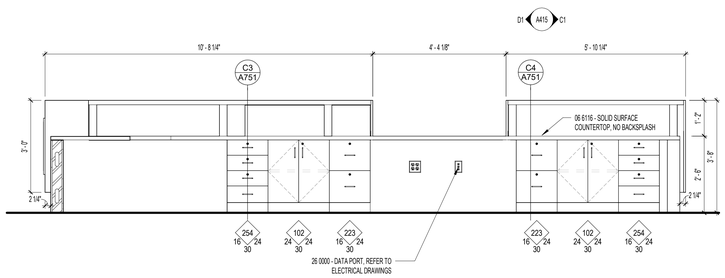

B1 A703 **WEST - MEDIA DESK**
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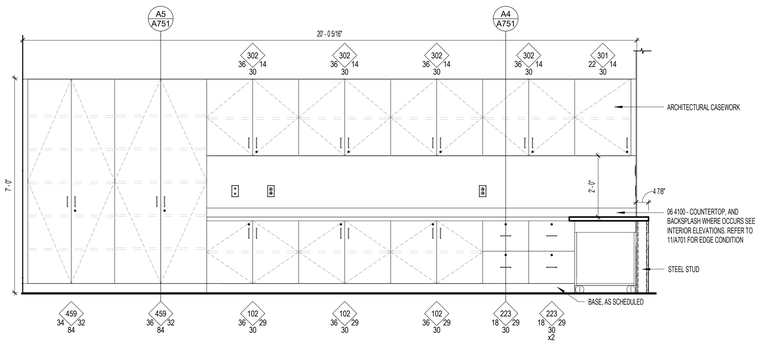

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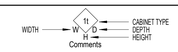

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architects

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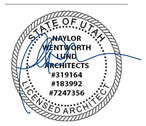
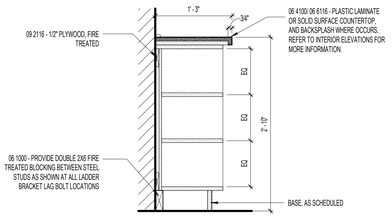


△ DATE REVISION

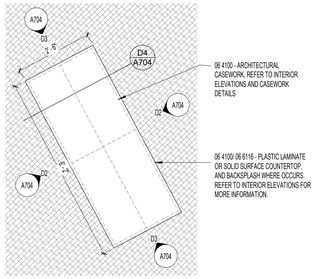
MILLWORK & CASEWORK DETAILS MEDIA DESK

A703



E1 A704 **CASEWORK WALL BASE SHELVES, TYP.**
1" = 1'-0"

E



D1 A704 **ENLARGED PLAN - SMALL BOOKCASE**
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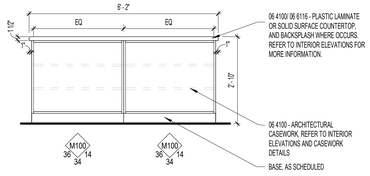

D2 A704 **FRONT - SMALL BOOKCASE**
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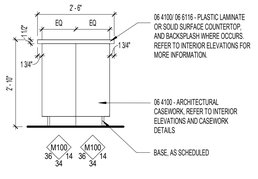
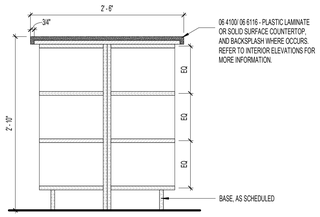
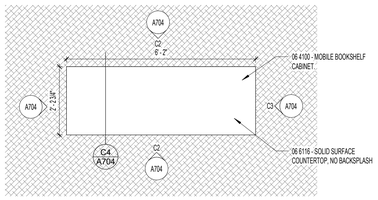


D3 A704 **SIDE - SMALL BOOKCASE**
1/2" = 1'-0"

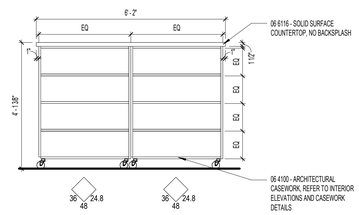


D4 A704 **Detail 13**
1" = 1'-0"

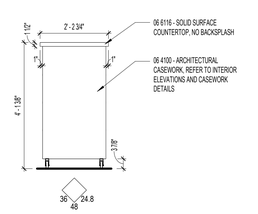
D



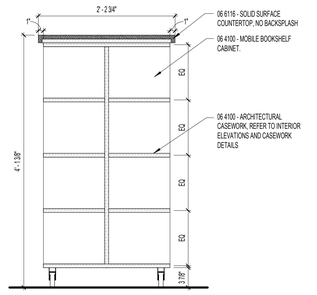
C1 A704 **ENLARGED PLAN - ROLLING BOOKCASE**
1/2" = 1'-0"



C2 A704 **FRONT - ROLLING BOOKCASE**
1/2" = 1'-0"

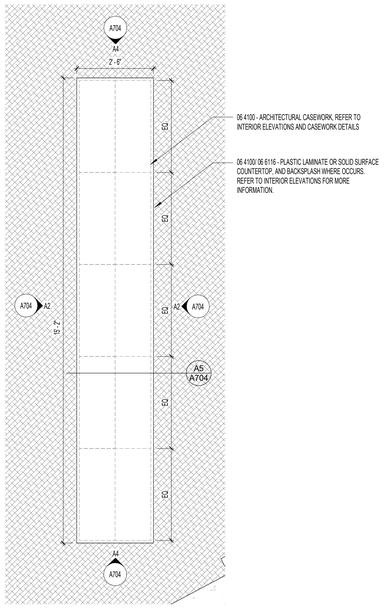


C3 A704 **SIDE - ROLLING BOOKCASE**
1/2" = 1'-0"



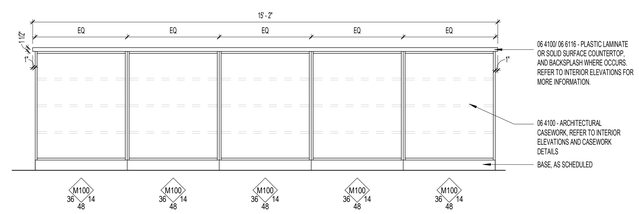
C4 A704 **Detail - ROLLING BOOKCASE**
1" = 1'-0"

C

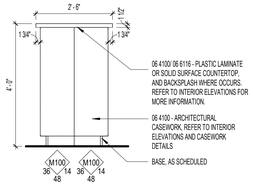


A1 A704 **ENLARGED PLAN - LARGE BOOKCASE**
1/2" = 1'-0"

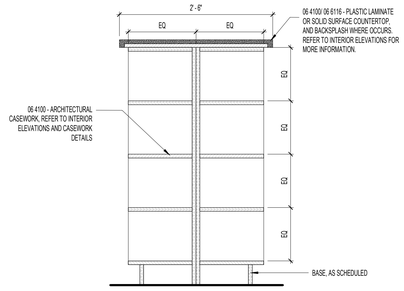
B



A2 A704 **LARGE BOOKCASE - FRONT**
1/2" = 1'-0"



A4 A704 **LARGE BOOKCASE - SIDE**
1/2" = 1'-0"



A5 A704 **DETAIL - LARGE BOOKCASE**
1" = 1'-0"

A

1 | 2 | 3 | 4 | 5 | 6

GENERAL NOTES - ENLARGED CASEWORK PLANS & ELEV.

A. ALL COUNTERTOPS WHERE SINKS ARE LOCATED TO HAVE CONTINUOUS 4" HIGH BACKSPLASH AND ENDSPLASH, UNLESS NOTED OTHERWISE.

B. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED IN ELEVATION, MOUNTED WITH TOP AT 84" AFF.

C. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTERTOP TO FACE OF WALL OR ADJACENT TALL CABINET AS NECESSARY.

D. ALL TEACHER TALL CABINET CASEWORK DOORS

E. ALL BASE CABINETS AND FILING CABINETS SHALL BE SET BACK 3/4"-1" FROM EDGE OF COUNTERTOP OR WORKSURFACE, UNLESS NOTED OTHERWISE ON DRAWINGS OR A TALL CABINET IS ADJACENT TO THE WORKSURFACE AND BASE CABINETS.

F. TALL CABINETS SHOULD BE THE SAME DEPTH AS ADJACENT WORKSURFACE; UNLESS NOTED OTHERWISE.

G. WHERE CASEWORK IS LOCATED WALL-TO-WALL, FIELD VERIFY SIZE AND PROVIDE FILLERS AS REQUIRED.

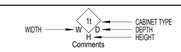
H. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.

I. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.

J. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.

K. REFER TO FINISH SCHEDULES AND MATERIALS.

CASEWORK LEGEND (SALT LAKE CITY)



ABBREVIATIONS

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

B	BASE CABINET	T	TALL CABINET
BB	BLIND BASE CORNER CABINET	TO	TALL OPEN CABINET
BS	SINK BASE CABINET	TSP	TACK STRIP
D	DRAWER CABINET	TWS	TACKABLE WALL SURFACE
DF	DRAWER FILE CABINET	W	WALL CABINET
EP	END PANEL	WDF	WARDROBE FILE CABINET
F	FILLER STRIP/FILLER PANEL	WDH	WARDROBE TECHNOLOGY CABINET
FE	FINISHED END	WDS	WARDROBE STORAGE (OR COAT CUBBIE)
FX	MAIL SLOT CABINET	WDT	WARDROBE TALL CABINET
KS	KNEE SPACE	WO	WALL OPEN CABINET
MB	MARKER BOARD	WS	WORKSURFACE SUPPORT
MCB	LIBRARY STACKS/EQUIPMENT (SEE EQUIPMENT SCHEDULES)		
MU	MUSIC CASEWORK (SEE EQUIPMENT SCHEDULES)		

CABINET LEGEND (ST. GEORGE)

THE FIRST LETTER, OR GROUP OF LETTER, DESCRIBES THE TYPE OF CABINET.
THE FIRST NUMBER SHOWS THE NUMBER OF DRAWERS.
THE SECOND NUMBER SHOWS THE NUMBER OF DOORS.
THE THIRD NUMBER SHOWS THE NUMBER OF INTERMEDIATE FIXED AND ADJUSTABLE SHELVES.
*NUMBER SHOWS THE AMOUNT OF SLOTS OR SPACES.
THE ":" INDICATES THERE IS A VERTICAL DIVIDER
THE FOURTH NUMBER SHOWS THE NUMBER OF VERTICAL DIVIDERS.

PREFIX DESCRIPTION

B=BASE	MBX*=MAILBOX CABINET	TM=TALL MICROWAVE
BAV=BASE AUDIOVISUAL	MT=MOBILE TALL	TR=TALL REFRIGERATOR
BP=BASE PAPER	SB=SINK BASE	TT*=TALL TOTE
BSM=BASE SEWING MACHINE	SD=SINGLE DRAWER	TW=TALL WARDROBE
BT*=BASE TOTE	T=TALL CABINET	W=WALL CABINET
MB=MOBILE BASE	TAV=TALL AUDIOVISUAL	WAV=WALL AUDIOVISUAL
MBSM=MOBILE BASE SEWING	TH*=TALL HAT	WM=WALL MICROWAVE

SUFFIX DESCRIPTION

DS=DUAL SIDED	FGD=FRAMED GLASS DOOR	SMS=SLOPED BOOK SHELVES
ES=EQUAL SPACED DRAWERS	PF=PENCIL FILE DRAWER	V=VENTED
F=FILE DRAWER	SGD=SLIDING GLASS DOOR	

EXAMPLES

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a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

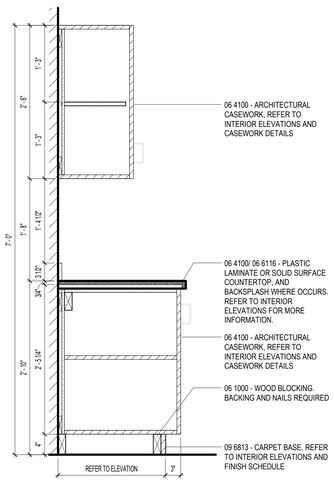
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

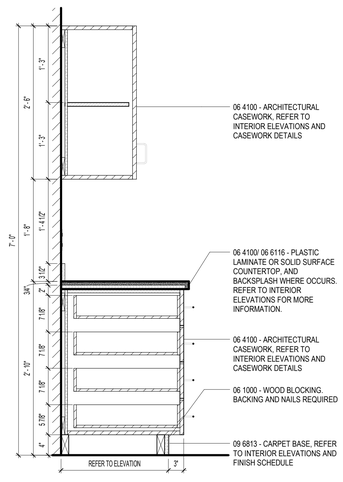
△ DATE REVISION

MILLWORK & CASEWORK DETAILS BOOKSHELVES

A704



D1 A751 **CASEWORK SECTION_DOOR, TYP.**
1" = 1'-0"



D2 A751 **CASEWORK SECTION_4 DRAWERS, TYP.**
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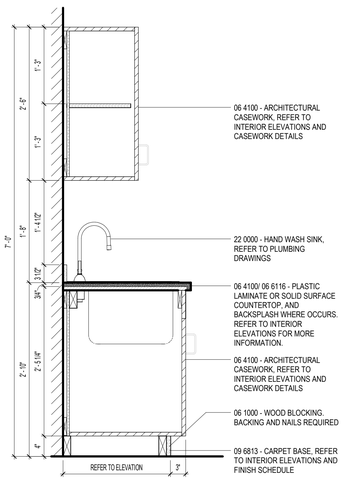
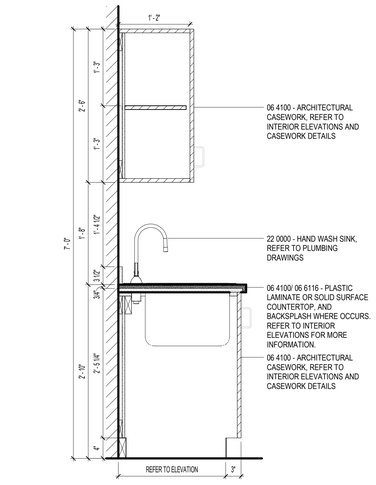


D3 A751 **CASEWORK SECTION_DOOR AND SINK, TYP.**
1" = 1'-0"



D4 A751 **CASEWORK SECTION_DOOR AND SINK, ADA**
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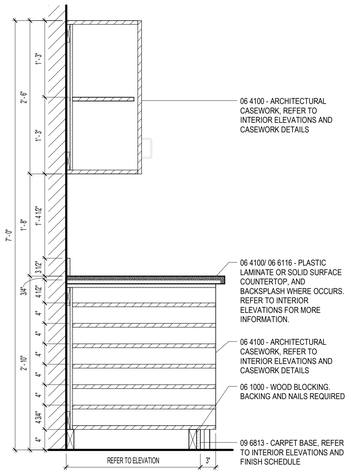
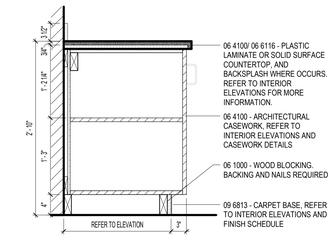
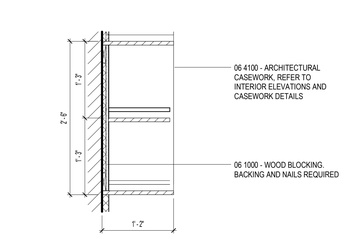


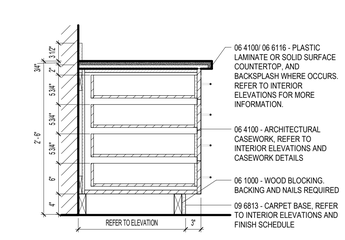
D5 A751 **CASEWORK SECTION_BASE 6 SHELVES, TYP.**
1" = 1'-0"



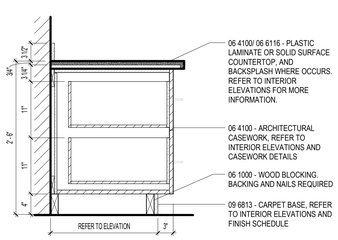
C1 A751 **CASEWORK_BASE DOOR, TYP.**
1" = 1'-0"



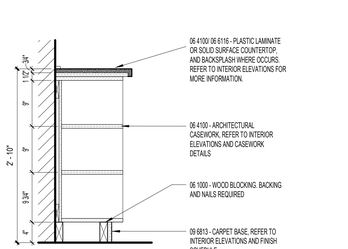
C2 A751 **CASEWORK_UPPER SHELVES, TYP.**
1" = 1'-0"



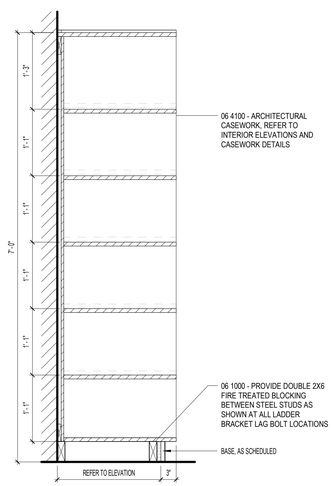
C3 A751 **CASEWORK SECTION - BASE 4 DRAWER - TYP.**
1" = 1'-0"



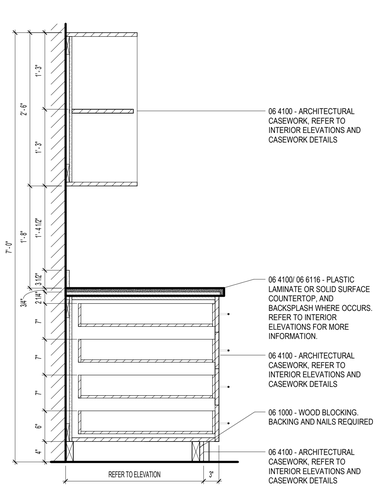
C4 A751 **CASEWORK SECTION - BASE 2 DRAWER - TYP.**
1" = 1'-0"



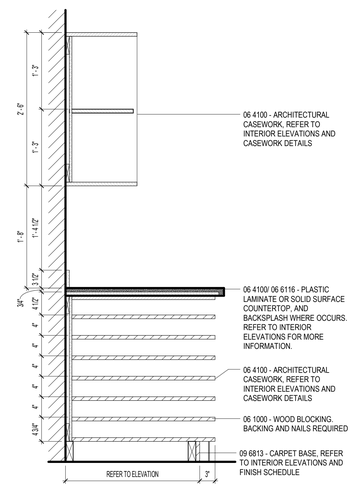
C5 A751 **CASEWORK_BASE SHELVES, TYP.**
1" = 1'-0"



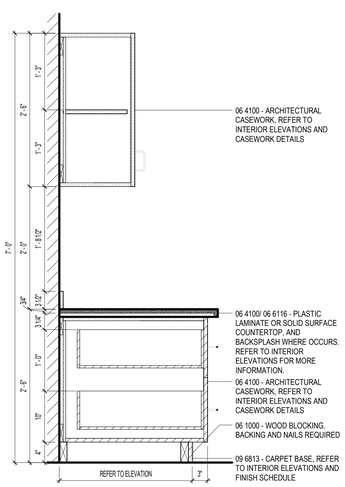
A1 A751 **CASEWORK SECTION_TALL 5 SHELVES, TYP.**
1" = 1'-0"



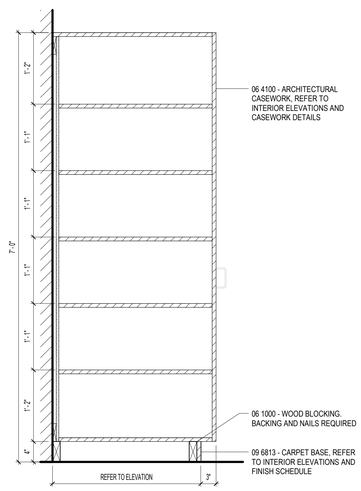
A2 A751 **CASEWORK SECTION_4 DRAWERS, ART ROOM A108**
1" = 1'-0"



A3 A751 **CASEWORK SECTION_OPEN SHELVES, TYP.**
1" = 1'-0"



A4 A751 **CASEWORK SECTION_2 DRAWERS, TYP.**
1" = 1'-0"



A5 A751 **CASEWORK SECTION_TALL DOOR., TYP.**
1" = 1'-0"

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
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BID SET 03/25/2025
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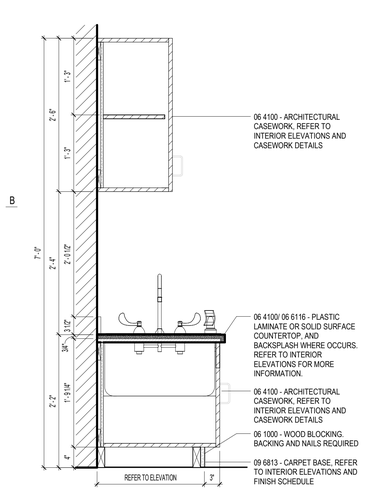
ISSUE DATE
WWL PROJECT 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND
ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

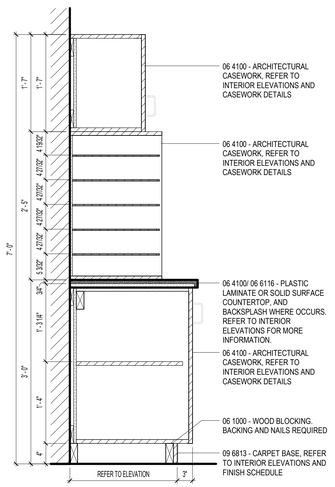
DATE REVISION

CASEWORK DETAILS

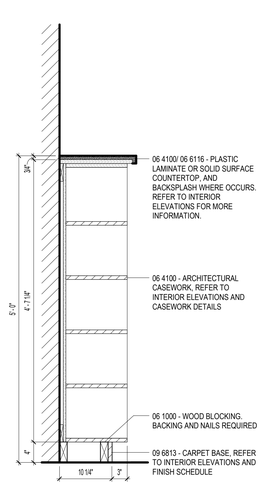
A751



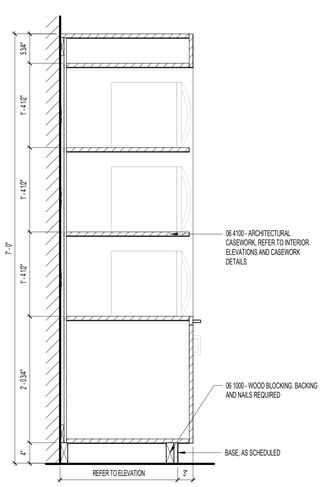
A1 A752 **CASEWORK_DOOR AND SINK, KINDERGARTEN**
1" = 1'-0"



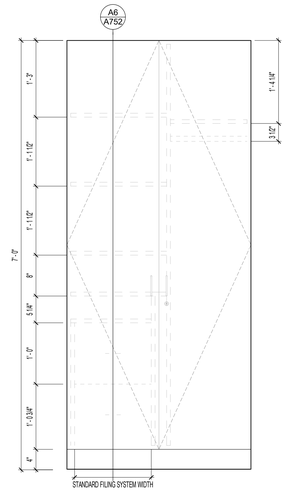
A2 A752 **CASEWORK SECTION_MAIL CUBBIES, WORKROOM A108**
1" = 1'-0"



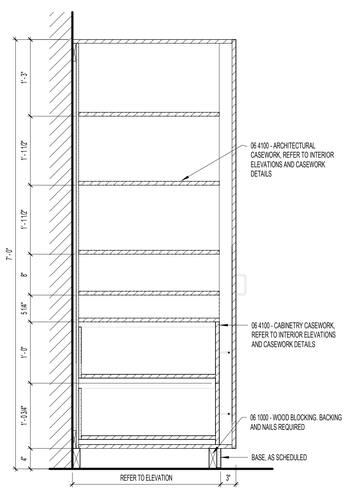
A3 A752 **CASEWORK SECTION_BOOK CABINET, MEDIA CENTER B203**
1" = 1'-0"



A4 A752 **CASEWORK SECTION_MICROWAVE CABINET, BREAKROOM B109**
1" = 1'-0"



A5 A752 **CASEWORK ELEVATION_TEACHER'S CABINET, CLASSROOM**
1" = 1'-0"



A6 A752 **CASEWORK SECTION_TEACHER'S CABINET, CLASSROOM**
1" = 1'-0"

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STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

CASEWORK DETAILS

A752

FINISH LEGEND - FLOOR FINISHES

XXX

TYPE	MANUFACTURER	MODEL	COLOR	GROUT	COMMENTS
FLOOR CARPET					
FC1	TARKETT	COLOR KNIT 11128	EUCALYPTUS LEAF (30218)	NA	CLASSROOMS. CARPET BASE TO MATCH
FC2	TARKETT	CUSTOM COLOR	115459458-50	NA	CORRIDOR, ADMINISTRATION, MEDIA CENTER AND PUBLIC AREAS
FC3	MOHAWK	STEP UP II GT7311	COBALT (955)	NA	ENTRY CARPET AT VESTIBULES
FC4	TARKETT	PLEXUS IMAGINATIONS	WHITE	NA	MUSIC CLASSROOM PIANO AND MUSIC BAR PATTERN
FC5	TARKETT	PLEXUS COLOURS IV 02875	DARK SHADOWS (18552)	NA	MUSIC CLASSROOM PIANO AND MUSIC BAR PATTERN
FLOOR CONCRETE EXPOSED					
FE1	-	-	SEALER	NA	STORAGE , MECH, IDF, CUSTODIAL. REFER TO SPEC. 09 9724.
FLOOR LVT					
FL1	MOHAWK	MEDELLA FLECK & HUES	FOG (64992), SAGE (H3362), DEEP GREY (H5302), STEEL LIGHT (H5328)	NA	MULTI-PURPOSE. ART CLASSROOM. STAGE. REFER TO SHEET A1101 FOR COLOR ASSIGMENT
FLOOR TILE					
FT1	DALTILE	KEYSTONE MEDLEY	MOONSTONE (D117) 50%, CYPRESS (D452) 25%, SPA (D148) 25%	G4	TYP. BATHROOM
FT2	DALTILE	QUARRY TEXTURES	ASHEN GREY (0703)	G3	KITCHEN

FINISH LEGEND - BASE

XXX

TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS
BASE				
B1	TARKETT	COLOR KNIT 11128/ CORCULARY 11557	EUCALYPTUS LEAF (30218), GREENBUC (29409)	CARPET BASE TO MATCH CARPET
B2	MOHAWK	WALL BASE	AIRCRAFT CARRIER (073)	STORAGE , MECH, IDF, ART CLASSROOM, CUSTODIAL, STAGE, MULTI-PURPOSE
B3	DALTILE	QUARRY TEXTURES	ASHEN GREY (0703)	KITCHEN

FINISH LEGEND - WALL FINISHES

XXX

TYPE	MANUFACTURER	MODEL	COLOR	GROUT	COMMENTS
WALL EXPOSED					
TP1	-	-	SEALER	NA	MAIN STAIR, MULTI-PURPOSE. REFER TO SPEC. 09 9724.
WH1	-	-	SEALER	NA	UNDER STAIR S1 AND FRONT OF STAGE. REFER TO SPEC. 07 2025
WALL FELT					
WF1	ONNIT SYSTEMS	-	GRAPHITE	NA	CLASSROOM
WF2	ONNIT SYSTEMS	-	ELEPHANT GRAY	NA	CORRIDORS AND MULTI-PURPOSE
WALL GRAPHIC					
VWC	-	-	-	NA	CUSTOM GRAPHIC TO BE DETERMINED BY ARCHITECT.
WALL METAL					
WM			STAINLESS STEEL	NA	ELEVATOR. STAINLESS STEEL PANELS
WALL PAINT					
WP1	SHERWIN WILLIAMS	WHITE PAINT COLORS	PURE WHITE (7005)	NA	GYPSUM
WP2	SHERWIN WILLIAMS	WHITE PAINT COLORS	PURE WHITE (7005)		GYPSUM. KITCHEN OFFICE, CUSTODIAL, STORAGE
WP3	SHERWIN WILLIAMS	WHITE PAINT COLORS	PURE WHITE (7005)	NA	CMU AND CONCRETE. STORAGE, MECH, IDF, ELEC., AND CUSTODIAL
WP4	SHERWIN WILLIAMS	TOP 50 COLORS	IRON ORE (7069)	NA	CMU AND CONCRETE. STAGE
WP5	SHERWIN WILLIAMS	TOP 50 COLORS	IRON ORE (7069)	NA	METAL
WALL TILE					
WT1	DALTILE	COLOR STORY PINSTRIPES WAVE CREST & FLUTED	TRANQUILITY (0059) & STABLE (0055)	G2	GROUP RESTROOMS
WT2	DALTILE	CLASSIC COLOR WHEEL	WHITE (0100), SPA (0148),GARDEN SPOT (0141)	G1	KINDER BATHROOM
WT3	DALTILE	CLASSIC COLOR WHEEL	WHITE (0100)	G1	CUSTODIAL
WT4	DALTILE	VOLUME 1.0	VAPOR (VL63)	G1	CORRIDORS
WT5	DALTILE	COLOR STORY PINSTRIPES FLUTED	ICE WHITE (0025) 50% & BALANCE (0014) 30% TRANQUILITY (0059) 20%	G1	ENTRY
WT6	DALTILE	CLASSIC COLOR WHEEL	WHITE (0100), SPA (0148)	G1	KITCHEN. GRADIANTE OF TILE BOTTOM TO TOP IN ORDER OF SPA, WHITE

FINISH LEGEND - CEILING FINISHES

XXX

TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS
CEILING				
CF1	ONNIT SYSTEMS	HANGING BAFFLES		MEDIA CENTER, MAIN STAIR SECOND FLOOR
CM1	ALFREX	2 COAT MICA	COPPER PENNY MICA (JY-2570)	EXTERIOR SOFFIT
CM2				
CP1	SHERMAN WILLIAMS	WHITE PAINT COLORS	WHITE (SW 705)	ENTRY WAYS, ADMIN RECEPTION, BATHROOMS
CP2	SHERMAN WILLIAMS	WHITE PAINT COLORS	WHITE (SW 705)	UNDER STAIRS
CT1	ROCKFON	CEILING TILES	ARTIC	MINERAL FIBER, CLASSROOMS, HALLS, AND ADMIN AREAS
CT2	USG, CertainTeed, CHICAGO METALIC	CEILING TILES	WHITE	VINYL FACED GYP. KITCHEN

FINISH LEGEND - COUNTER

XXX

TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS
COUNTER				
PL1	WILSONART	LAMINATE	BEIGE PAMPAS (4170)	CLASSROOM
SS1	CORIAN SOLID SURFACE	-	ARTISTA CANVAS	ADMIN, MULTI-PURPOSE
SS2	CORIAN SOLID SURFACE	-	WHITE JASMINE	CLASSROOM WINDOW SILL

FINISH LEGEND - STAIR

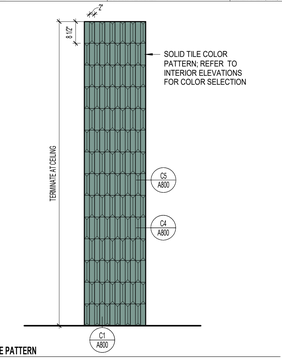
XXX

TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS
SM1	-	-	SEALER	MAIN STAIRCASE. REFER TO SPEC. 03 4000.
SM2	ROPPE	VANTAGE RAISED CIRCULAR #96		NORTH STAIRCASE. REFER TO 09 6500

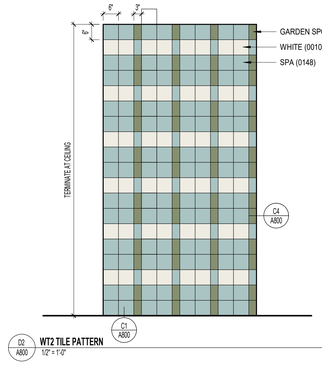
FINISH LEGEND - GROUT

XXX G

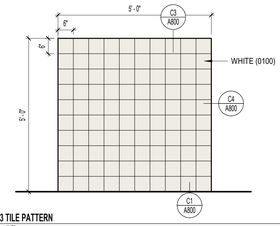
TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS
G1	MAPEI	GROUT AND CAULK COLOR COLLECTIONS	ALABASTER (3201)	WALL FINISHES, WT2, WT3, WT4, WT5, WT6
G2	MAPEI	GROUT AND CAULK COLOR COLLECTIONS	BISCUIT (5014)	WALL FINISHES, WT1
G3	MAPEI	GROUT AND CAULK COLOR COLLECTIONS	SAHARA BEIGE (5011)	FLOOR FINISHES, FT2
G4	MAPEI	GROUT AND CAULK COLOR COLLECTIONS	PEWTER (5002)	FLOOR FINISHES, FT1



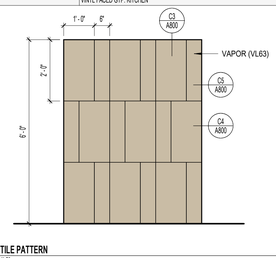
D1 A800 **WT1 TILE PATTERN** 1/2" = 1'-0"



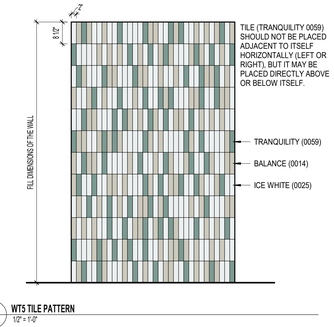
D2 A800 **WT2 TILE PATTERN** 1/2" = 1'-0"



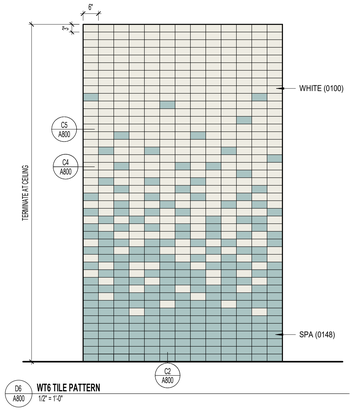
D3 A800 **WT3 TILE PATTERN** 1/2" = 1'-0"



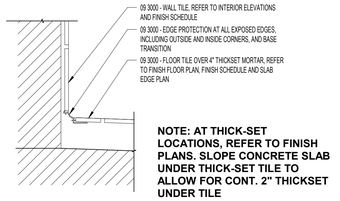
D4 A800 **WT4 TILE PATTERN** 1/2" = 1'-0"



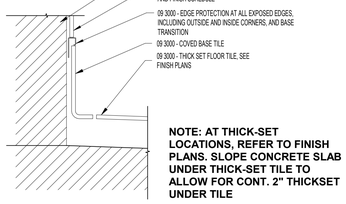
D5 A800 **WT5 TILE PATTERN** 1/2" = 1'-0"



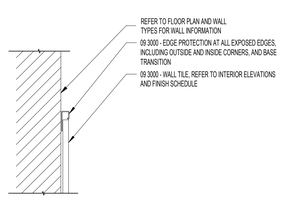
D6 A800 **WT6 TILE PATTERN** 1/2" = 1'-0"



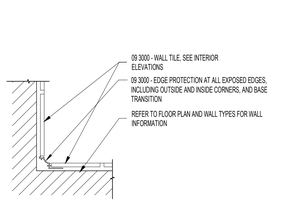
C1 A800 **EDGE PROTECTION - FLOOR TO WALL TILE TRANSITION** 1/4" = 1'-0"



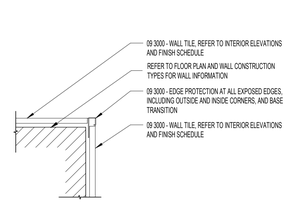
C2 A800 **EDGE PROTECTION - TOP OF QUARRY TILE BASE** 1/4" = 1'-0"



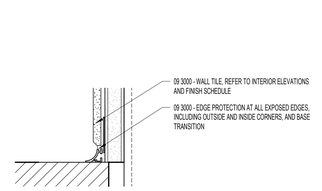
C3 A800 **EDGE PROTECTION - TOP OF TILE** 1/4" = 1'-0"



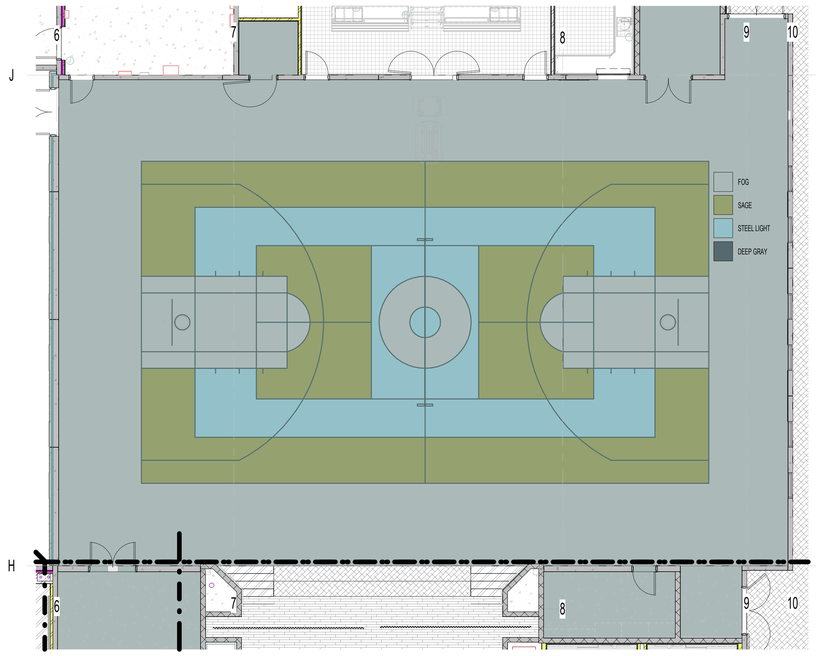
C4 A800 **EDGE PROTECTION - INSIDE EDGE** 1/4" = 1'-0"



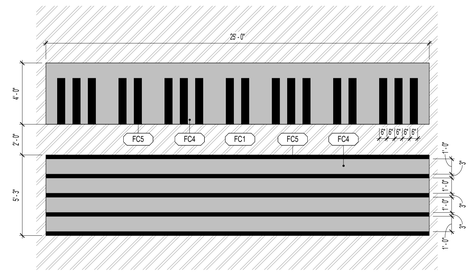
C5 A800 **EDGE PROTECTION - OUTSIDE EDGE** 1/4" = 1'-0"



1 A800 **EDGE PROTECTION - INSIDE CORNER - TILE TO NON TILE** 6" = 1'-0"



A1 A800 **ENLARGED MULTIPURPOSE ROOM** 1/8" = 1'-0"



A4 A800 **MUSIC ROOM PIANO MUSIC PATTERN** 1/4" = 1'-0"

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DRAWING ISSUE — BID SET
ISSUE DATE — 02/25/2025
NWL PROJECT — 0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△ DATE REVISION

INTERIOR FINISH

A800

A
B
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D
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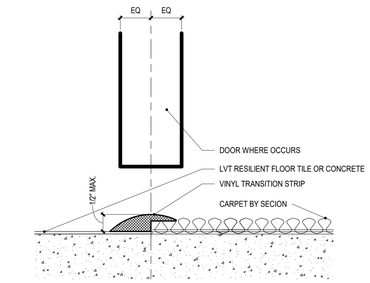
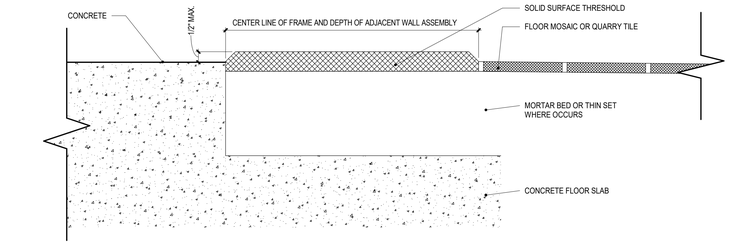
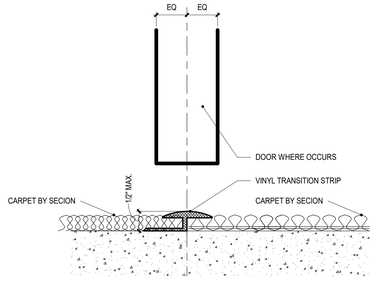


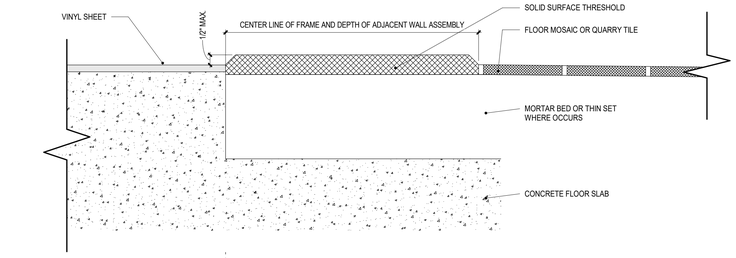
D4 A801 **TRANSITION VINYL TO CARPET**
6" = 1'-0"



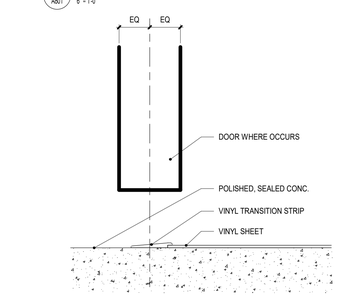
D5 A801 **TRANSITION - CONCRETE TO TILE**
6" = 1'-0"



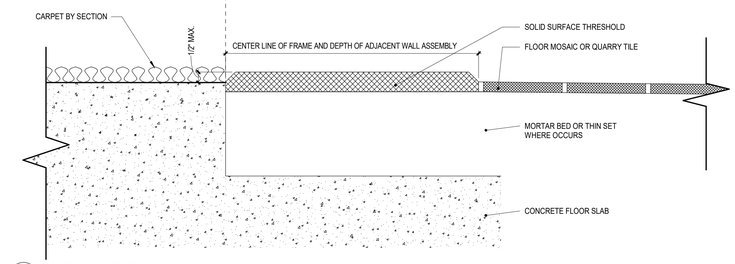
C4 A801 **TRANSITION - CARPET TO CARPET**
6" = 1'-0"



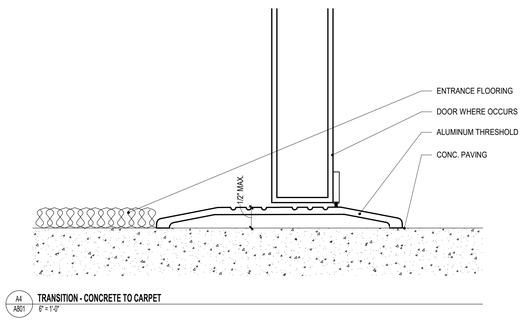
C3 A801 **TRANSITION - VINYL TO TILE**
6" = 1'-0"



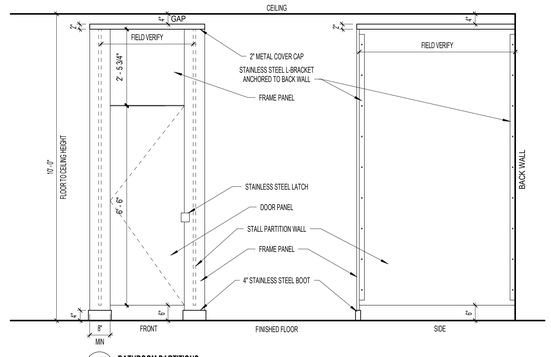
B4 A801 **TRANSITION - VINYL TO CONCERTE**
6" = 1'-0"



B5 A801 **TRANSITION - CARPET TO TILE**
6" = 1'-0"



A4 A801 **TRANSITION - CONCRETE TO CARPET**
6" = 1'-0"



A5 A801 **BATHROOM PARTITIONS**
1/2" = 1'-0"

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ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

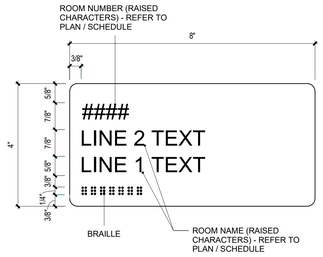
DATE	REVISION

INTERIOR TRANSITION DETAILS

A801

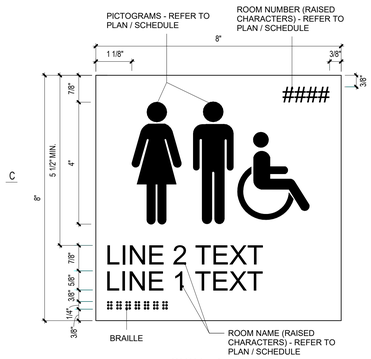


SIGN - J

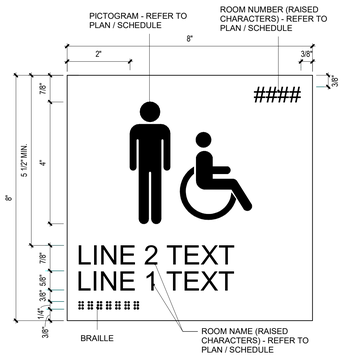


SIGN - K

1 A802 Drafting 8
6" = 1'-0"



SIGN - A



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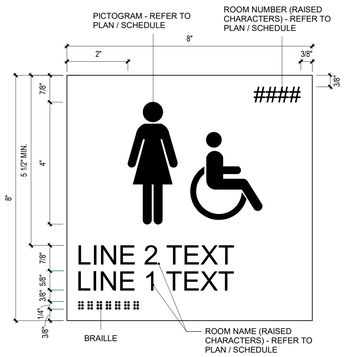

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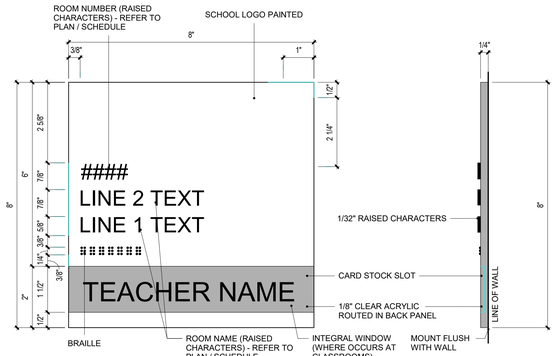

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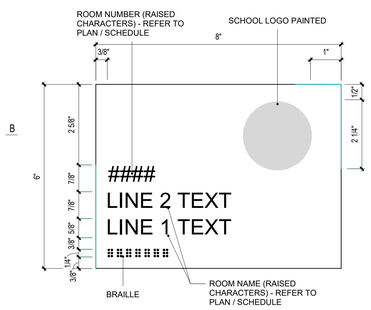

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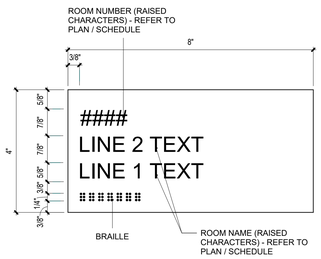

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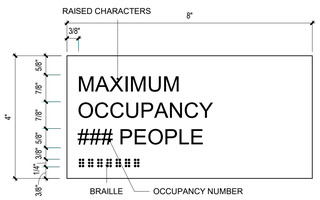
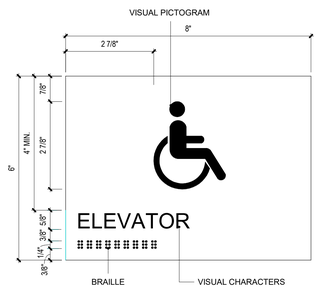


SIGN - G



SIGN - H



SIGN - I

A2 A802 Drafting 9
6" = 1'-0"

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INTERIOR SIGNAGE

A802

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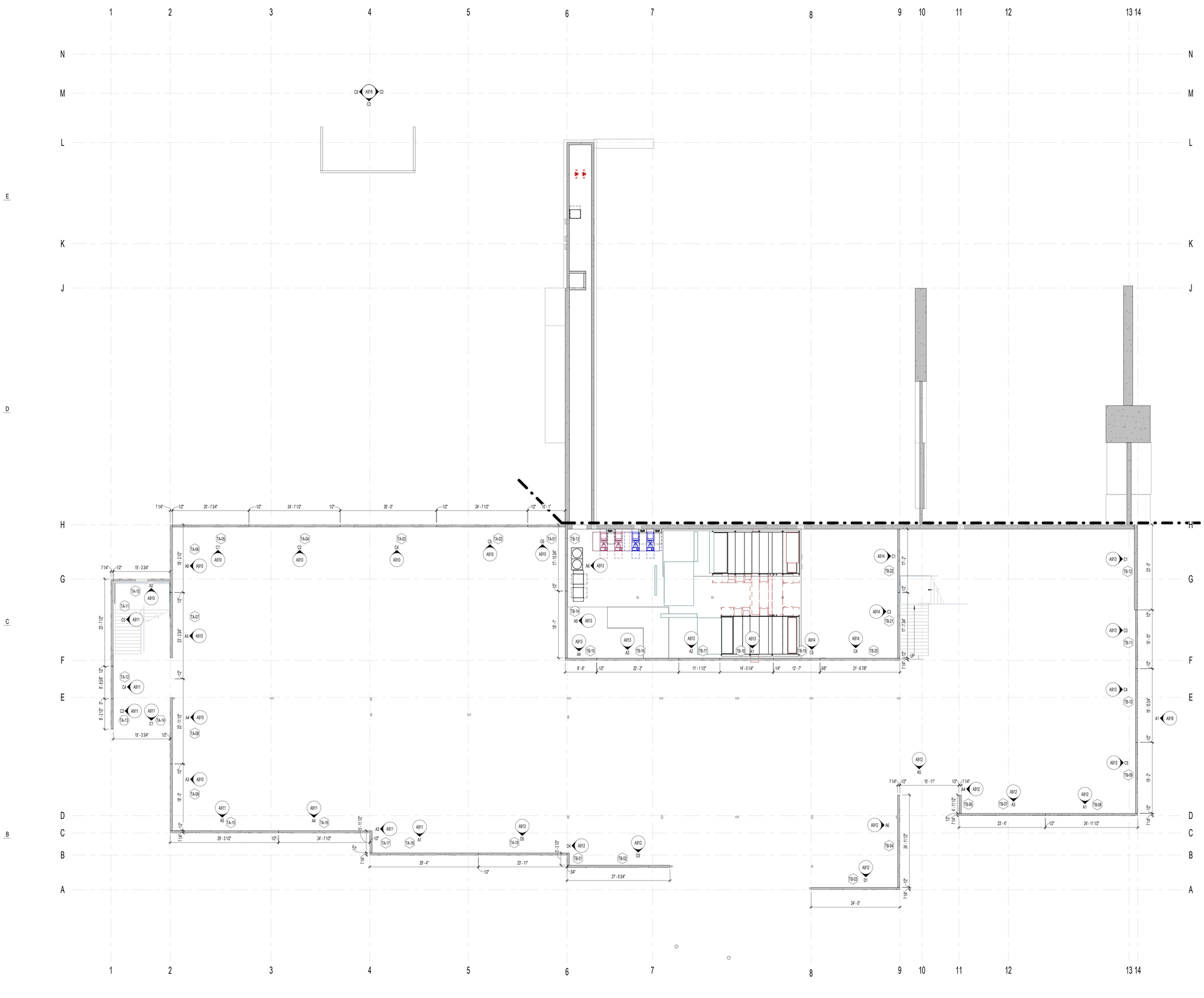

1 A901 LEVEL 01 TILT UP CONCRETE PANELS
1" = 10'-0"

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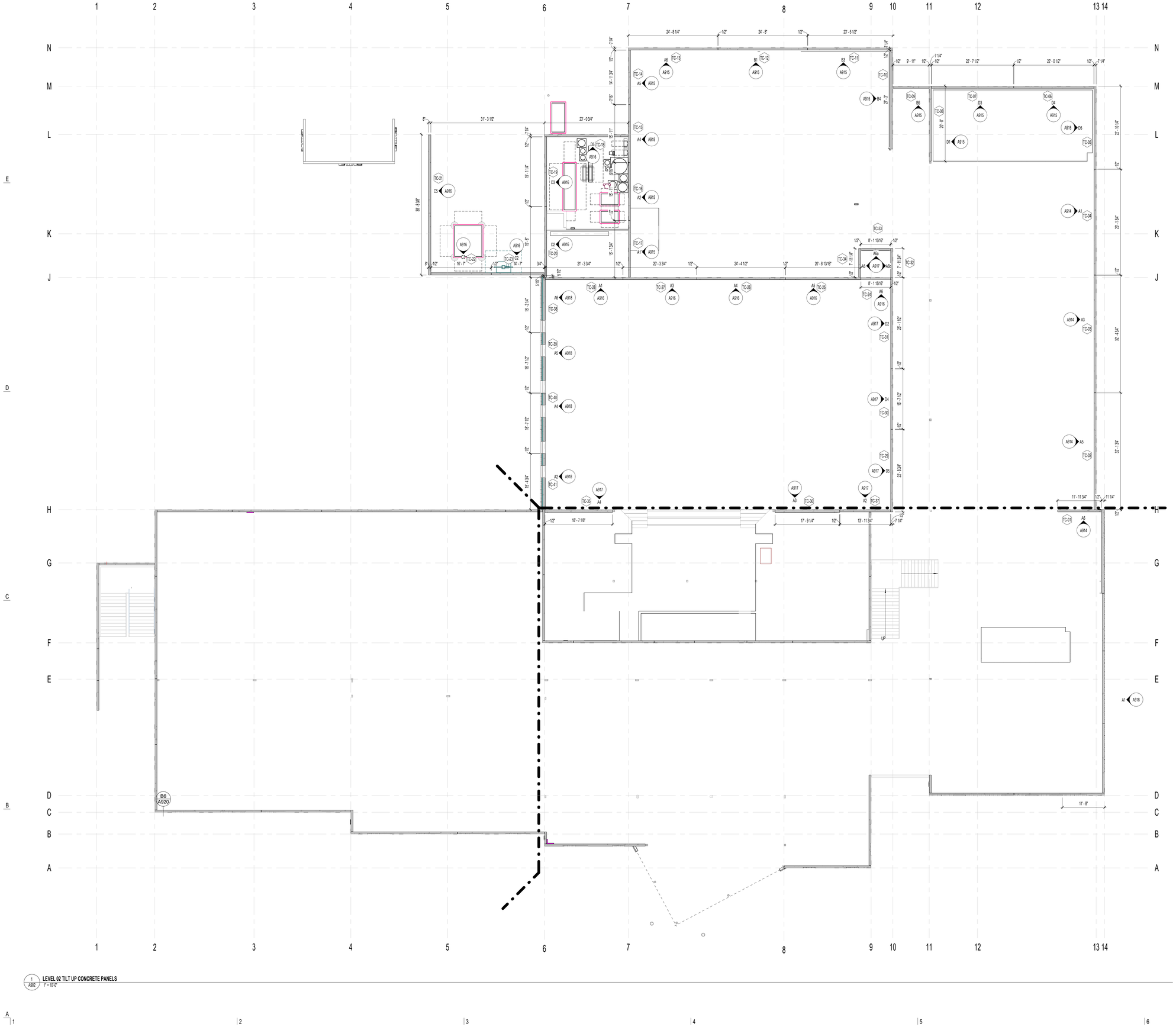
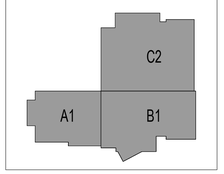
OVERALL LEVEL 01
TILT UP PANEL PLAN

A901



1 A902 LEVEL 02 TILT UP CONCRETE PANELS
1" = 10'-0"

KEY PLAN LEVEL 02



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OVERALL LEVEL 02
TILT UP PANEL PLAN

A902

TILT-UP WALL PANEL LEGEND

X"	
7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
◇ 2	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
◇ SD	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

GENERAL NOTES - TILT-UP ELEVATION

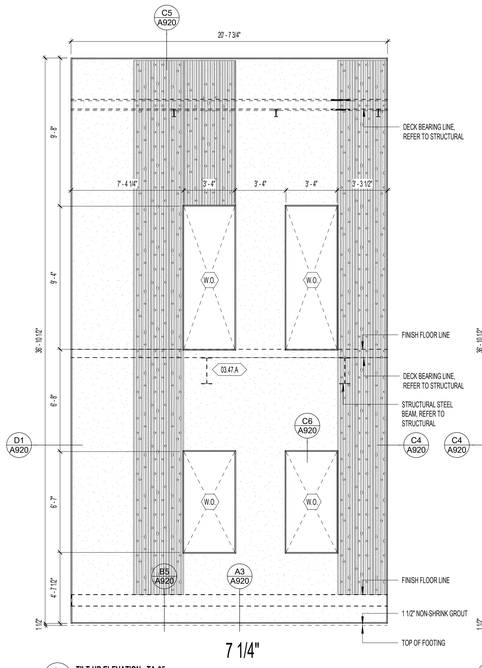
#	
1	REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2	ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3	ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4	REFERENCE DETAIL AXIAXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

NWL-LEGEND - KEYNOTE

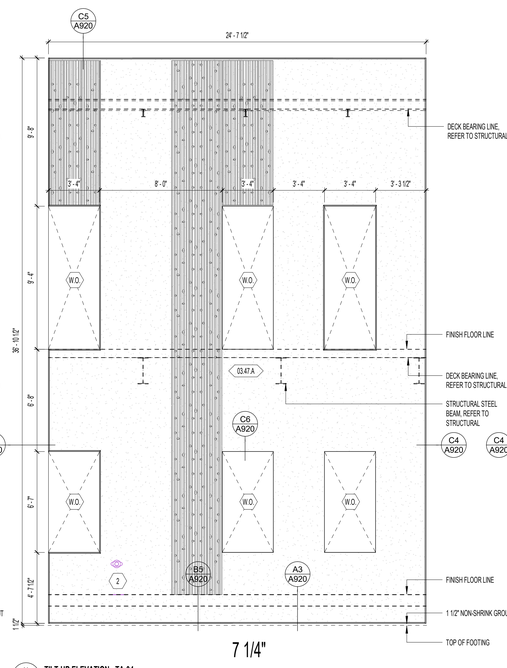
KEY VALUE	NOTE
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED

PANEL NOTES

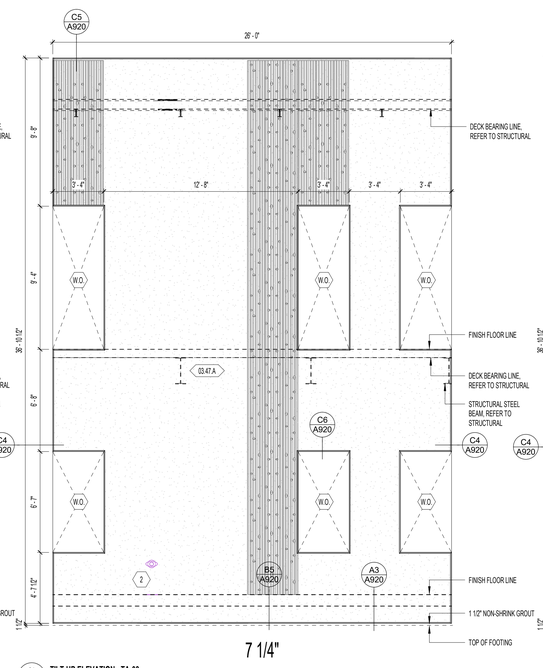
D.O.	DOOR OPENING
W.O.	WINDOW OPENING
P.O.	PANEL OPENING
M.O.	MECHANICAL OPENING
F.E.	RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.



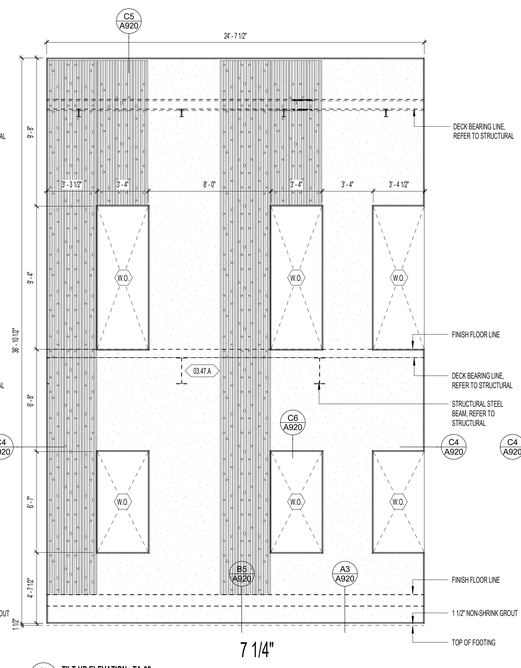
C1 A910 **TILT-UP ELEVATION - TA-05** 1/4" = 1'-0"



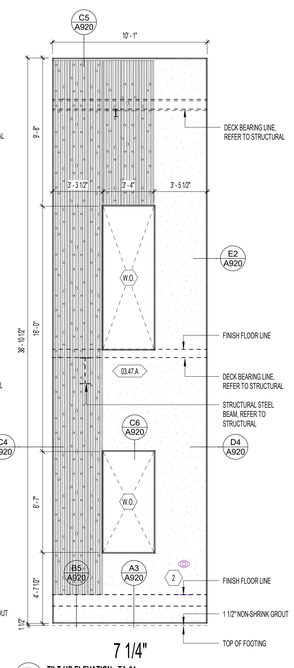
C2 A910 **TILT-UP ELEVATION - TA-04** 1/4" = 1'-0"



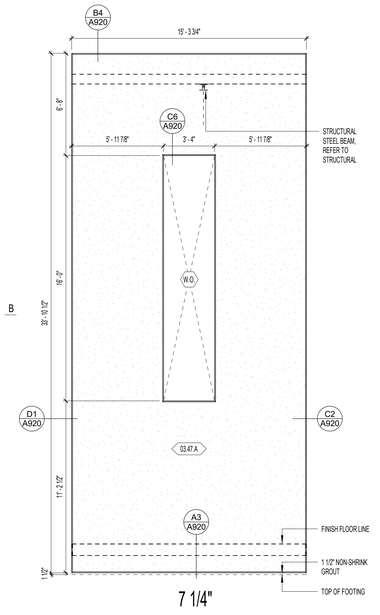
C4 A910 **TILT-UP ELEVATION - TA-03** 1/4" = 1'-0"



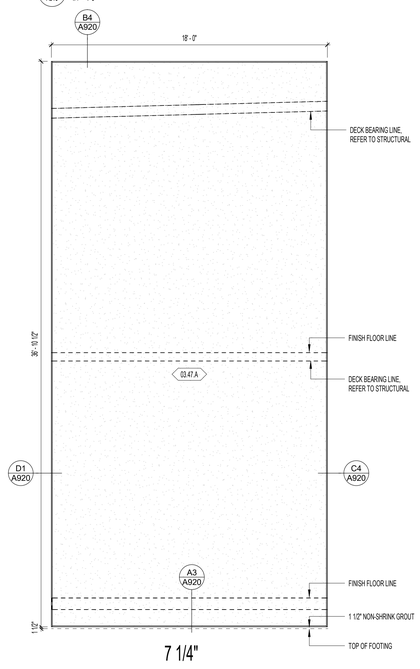
C5 A910 **TILT-UP ELEVATION - TA-02** 1/4" = 1'-0"



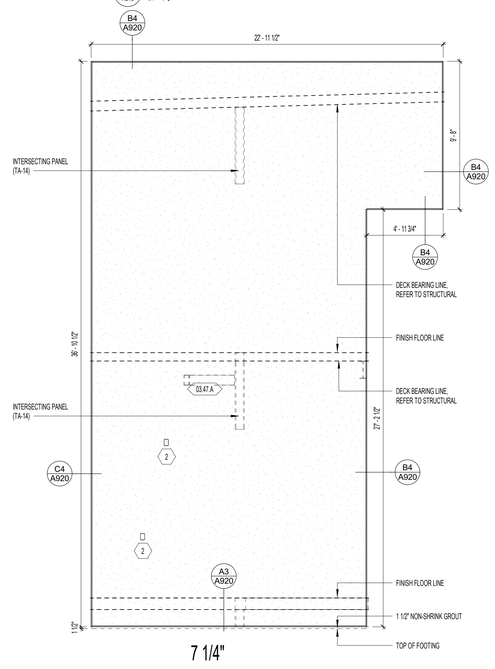
C6 A910 **TILT-UP ELEVATION - TA-01** 1/4" = 1'-0"



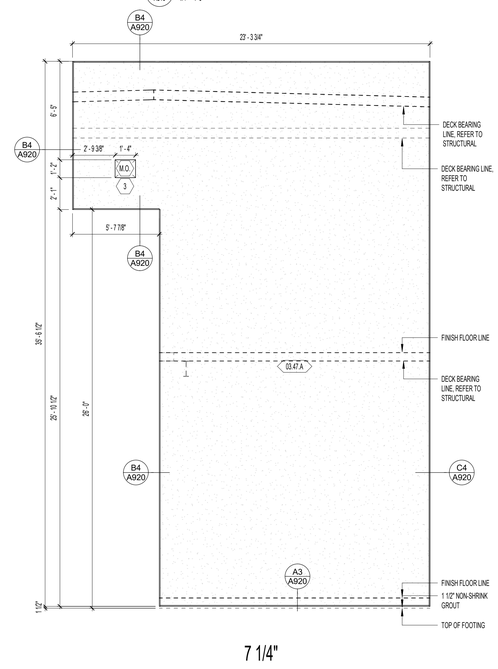
A2 A910 **TILT-UP ELEVATION - TA-10** 1/4" = 1'-0"



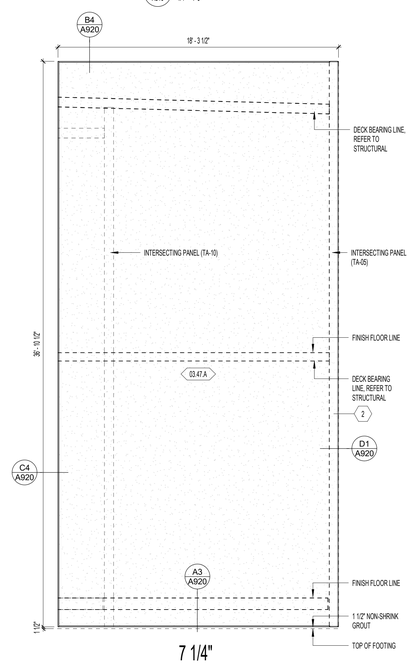
A3 A910 **TILT-UP ELEVATION - TA-09** 1/4" = 1'-0"



A4 A910 **TILT-UP ELEVATION - TA-08** 1/4" = 1'-0"



A5 A910 **TILT-UP ELEVATION - TA-07** 1/4" = 1'-0"



A6 A910 **TILT-UP ELEVATION - TA-06** 1/4" = 1'-0"

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CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

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ISSUE DATE	07/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△	DATE	REVISION

TILT UP PANEL ELEVATIONS

A910

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR (XX) FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL AXIAXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

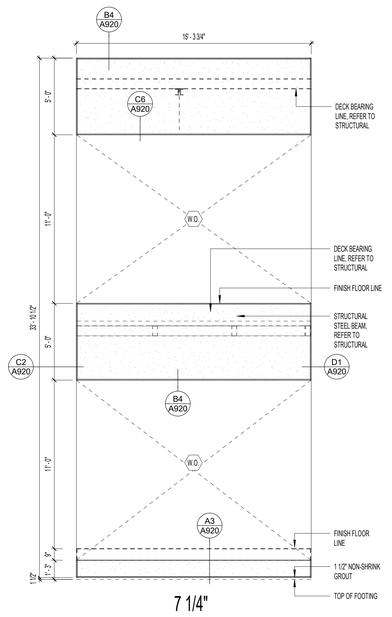
TILT-UP WALL PANEL LEGEND

X"

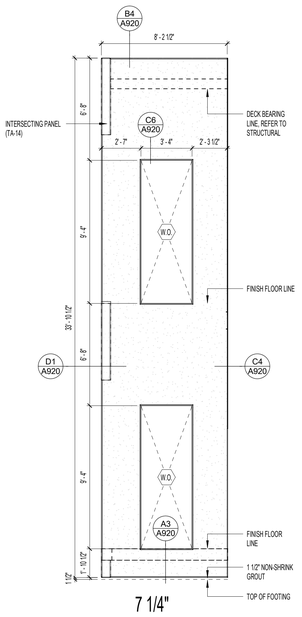
- 7 1/4" — 7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9" — 9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9 1/4" — 9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 2 — CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 2EX — CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

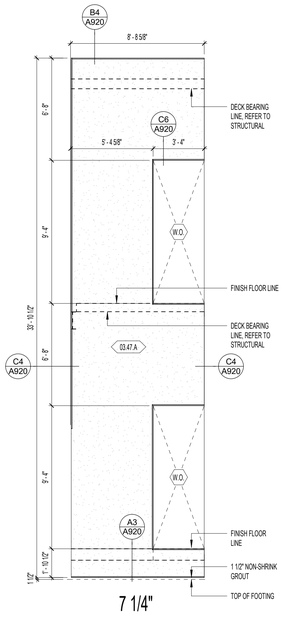
KEY VALUE	NOTE
03.47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED



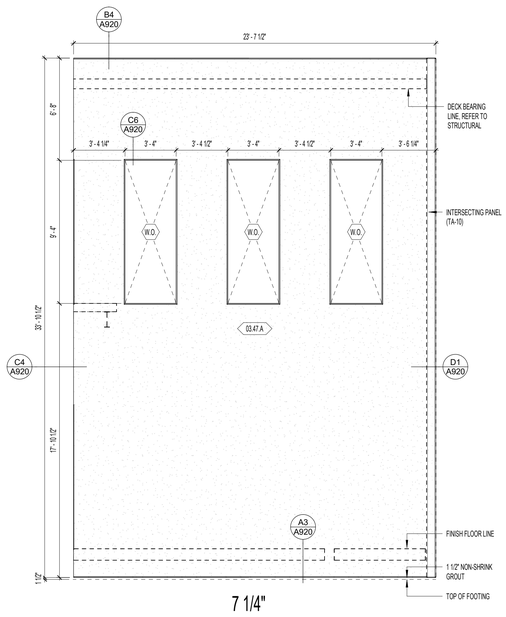
C1 A911 **TILT-UP ELEVATION - TA-14** 1/4" = 1'-0"



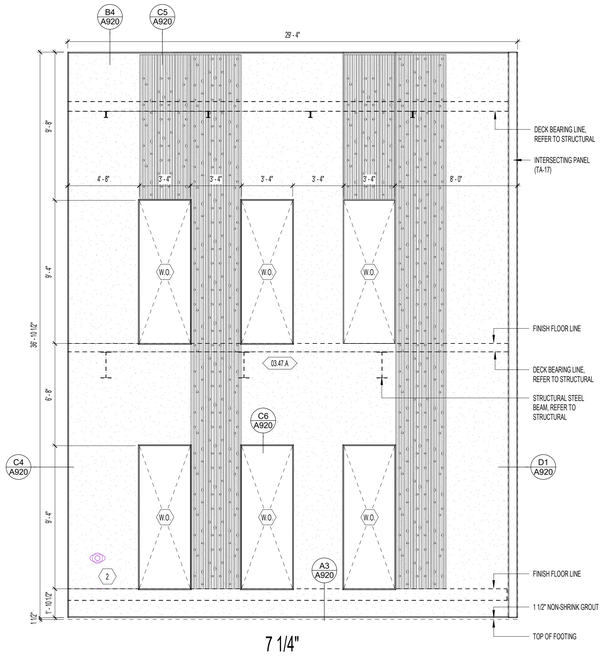
C3 A911 **TILT-UP ELEVATION - TA-13** 1/4" = 1'-0"



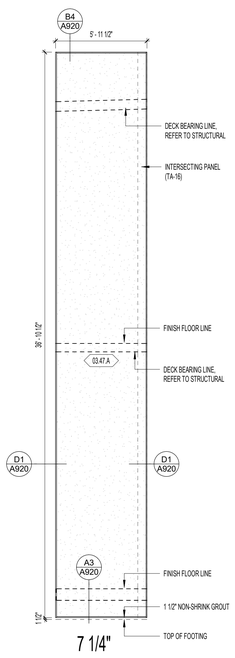
C4 A911 **TILT-UP ELEVATION - TA-12** 1/4" = 1'-0"



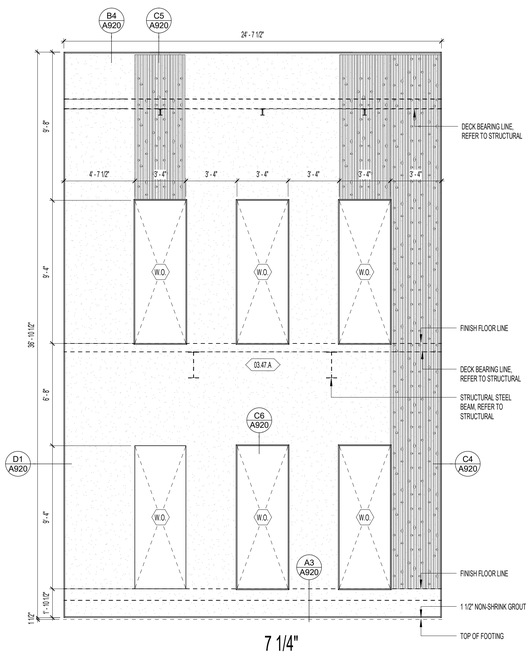
C5 A911 **TILT-UP ELEVATION - TA-11** 1/4" = 1'-0"



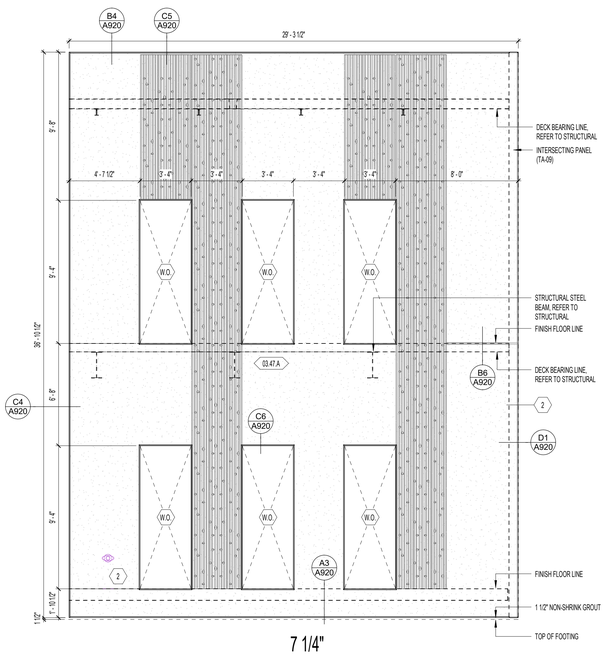
A1 A911 **TILT-UP ELEVATION - TA-18** 1/4" = 1'-0"



A3 A911 **TILT-UP ELEVATION - TA-17** 1/4" = 1'-0"



A4 A911 **TILT-UP ELEVATION - TA-16** 1/4" = 1'-0"



A5 A911 **TILT-UP ELEVATION - TA-15** 1/4" = 1'-0"

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333 EAST 300 NORTH
HYDE PARK CITY, UT
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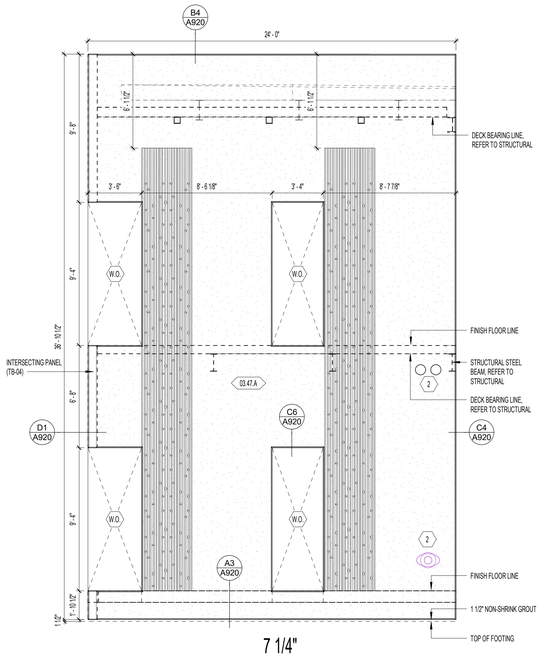
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH — NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356 — LICENSED ARCHITECT

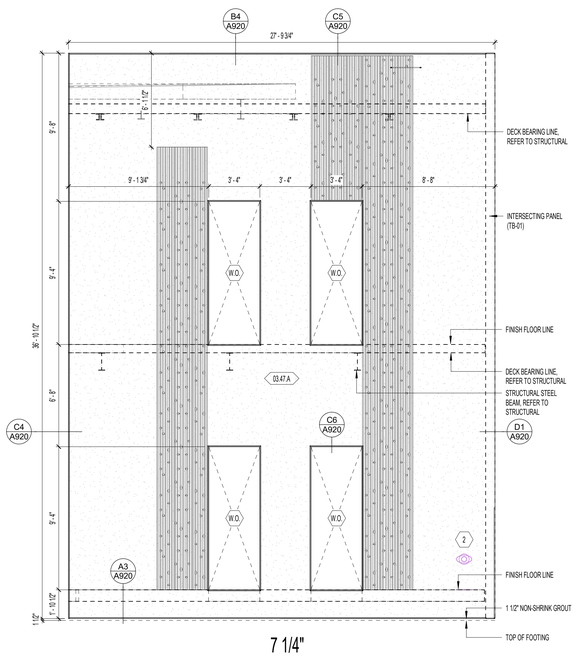
DATE	REVISION

TILT UP PANEL ELEVATIONS

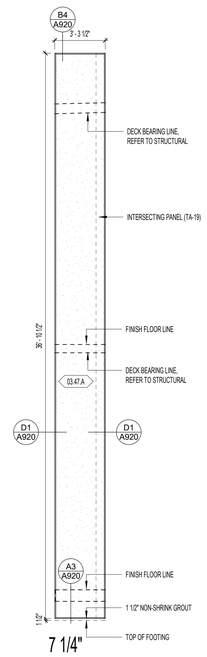
A911



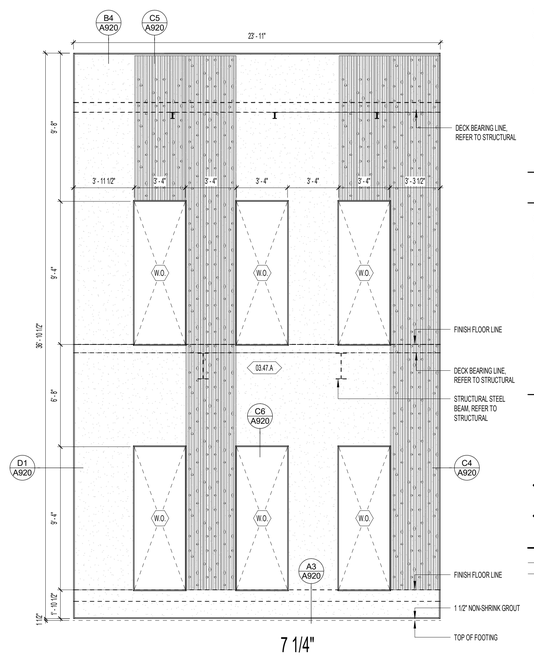
D1 A912 **TILT-UP ELEVATION - TB-03**
1/4" = 1'-0"



D3 A912 **TILT-UP ELEVATION - TB-02**
1/4" = 1'-0"



D4 A912 **TILT-UP ELEVATION - TB-01**
1/4" = 1'-0"



D5 A912 **TILT-UP ELEVATION - TA-19**
1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL AX/AXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

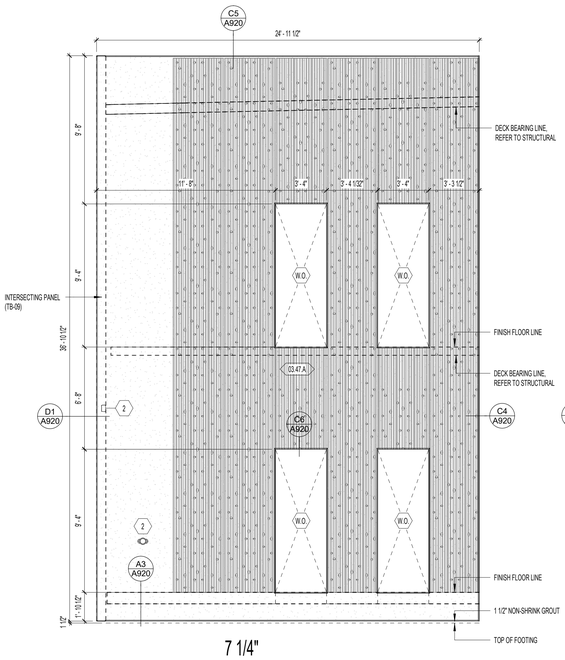
TILT-UP WALL PANEL LEGEND

X*

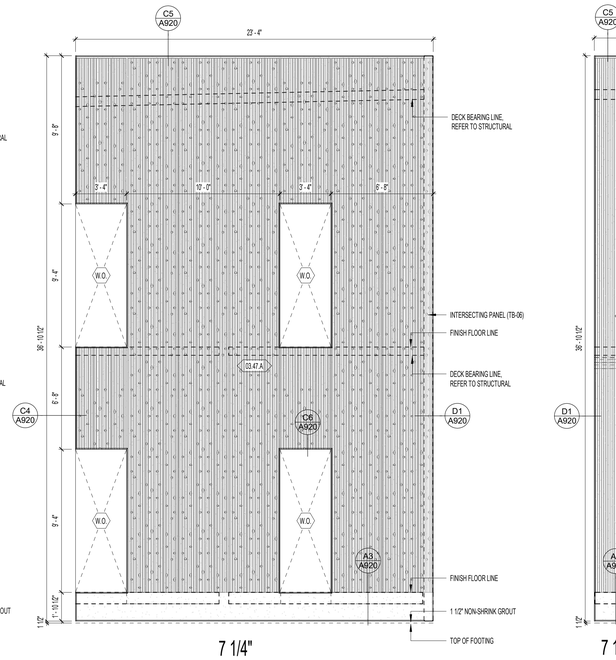
7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
2	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
2A	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

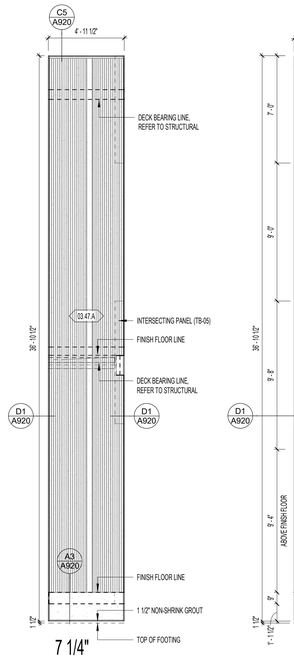
KEY VALUE	NOTE
03.47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED



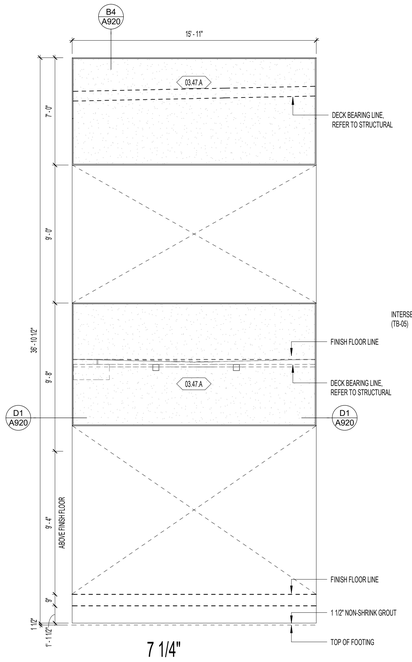
A1 A912 **TILT-UP ELEVATION - TB-08**
1/4" = 1'-0"



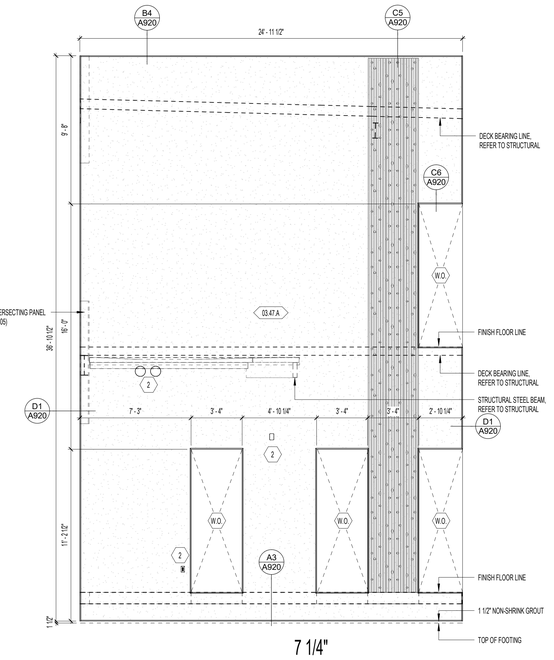
A3 A912 **TILT-UP ELEVATION - TB-07**
1/4" = 1'-0"



A4 A912 **TILT-UP ELEVATION - TB-06**
1/4" = 1'-0"



A5 A912 **TILT-UP ELEVATION - TB-05**
1/4" = 1'-0"



A6 A912 **TILT-UP ELEVATION - TB-04**
1/4" = 1'-0"

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STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
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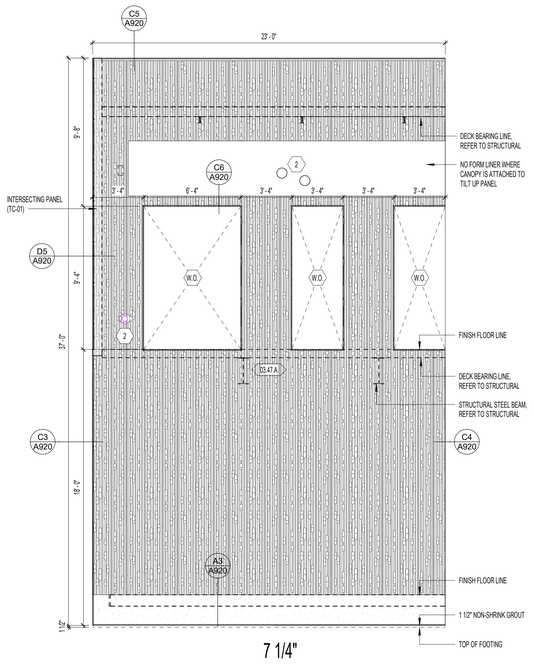
LICENSED ARCHITECT

△	DATE	REVISION

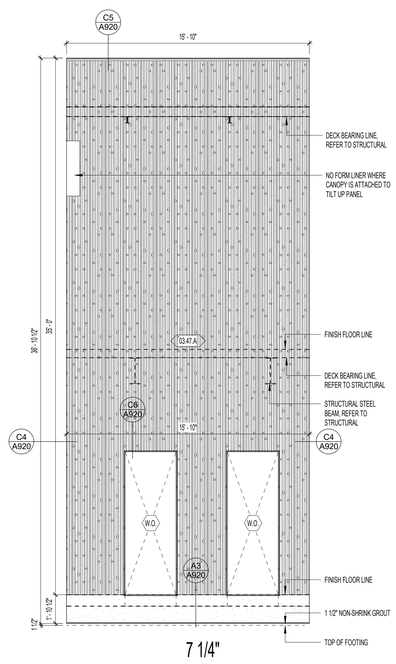
TILT UP PANEL ELEVATIONS

A912

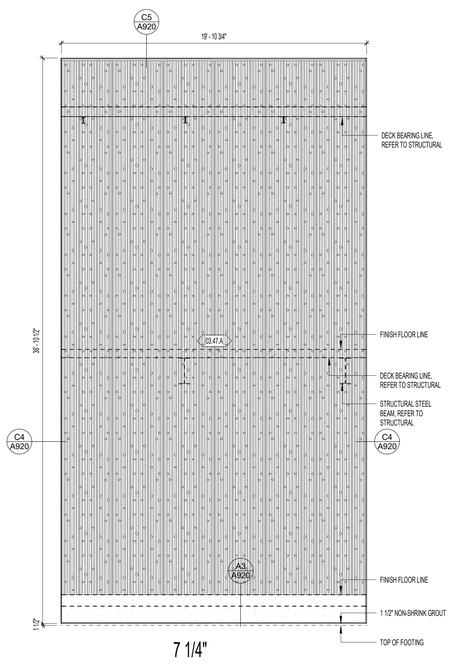
CACHE COUNTY SCHOOL DISTRICT



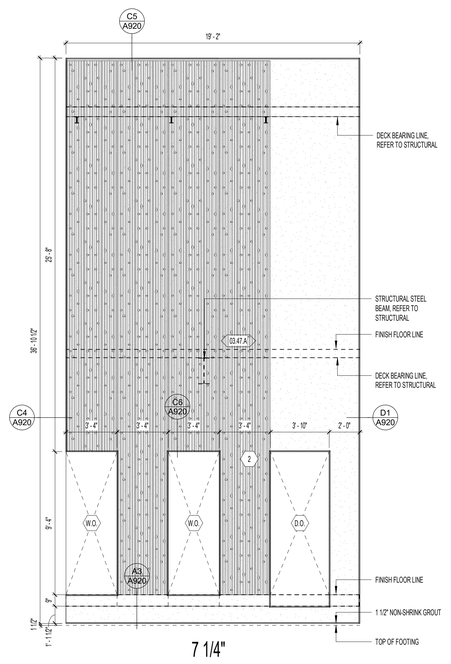
C1 A913 **TILT-UP ELEVATION - TB-12**
1/4" = 1'-0"



C3 A913 **TILT-UP ELEVATION - TB-11**
1/4" = 1'-0"



C4 A913 **TILT-UP ELEVATION - TB-10**
1/4" = 1'-0"



C5 A913 **TILT-UP ELEVATION - TB-09**
1/4" = 1'-0"

A1 A913 **TILT-UP ELEVATION - TB-18**
1/4" = 1'-0"

A2 A913 **TILT-UP ELEVATION - TB-17**
1/4" = 1'-0"

A3 A913 **TILT-UP ELEVATION - TB-16**
1/4" = 1'-0"

A4 A913 **TILT-UP ELEVATION - TB-15**
1/4" = 1'-0"

A5 A913 **TILT-UP ELEVATION - TB-14**
1/4" = 1'-0"

A6 A913 **TILT-UP ELEVATION - TB-13**
1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL A/A(XXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

TILT-UP WALL PANEL LEGEND

X*	
7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
2	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
SH	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.47 A	03.4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED

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SCHOOL DISTRICT

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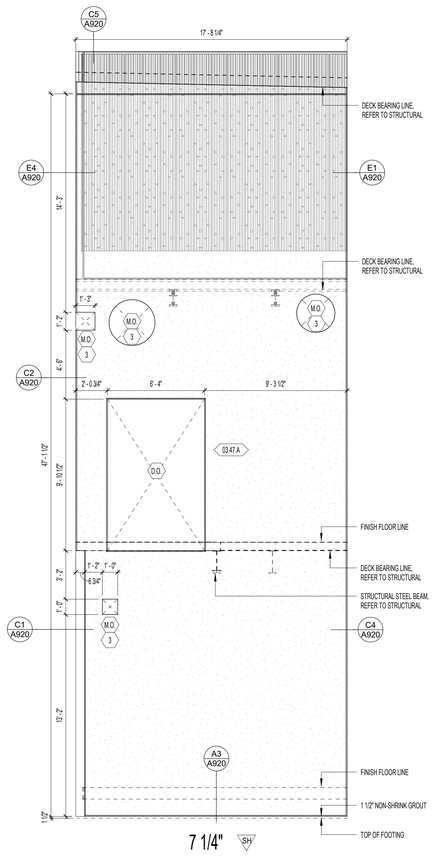
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS #319164 #183992 #7247356
LICENSED ARCHITECT

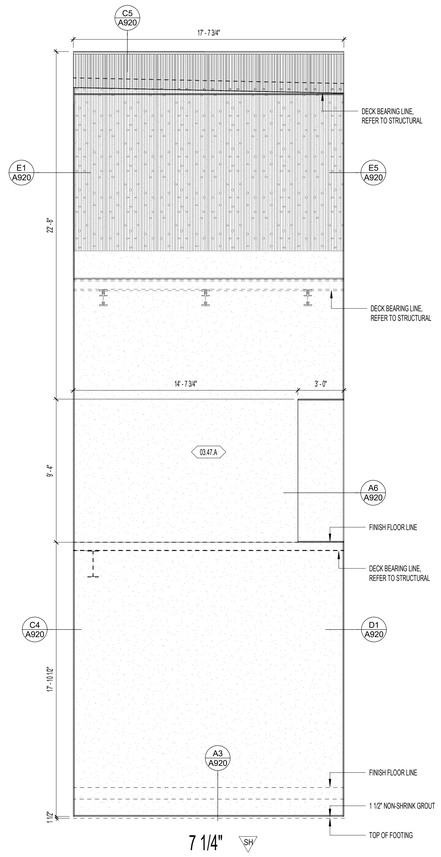
DATE	REVISION

TILT UP PANEL ELEVATIONS

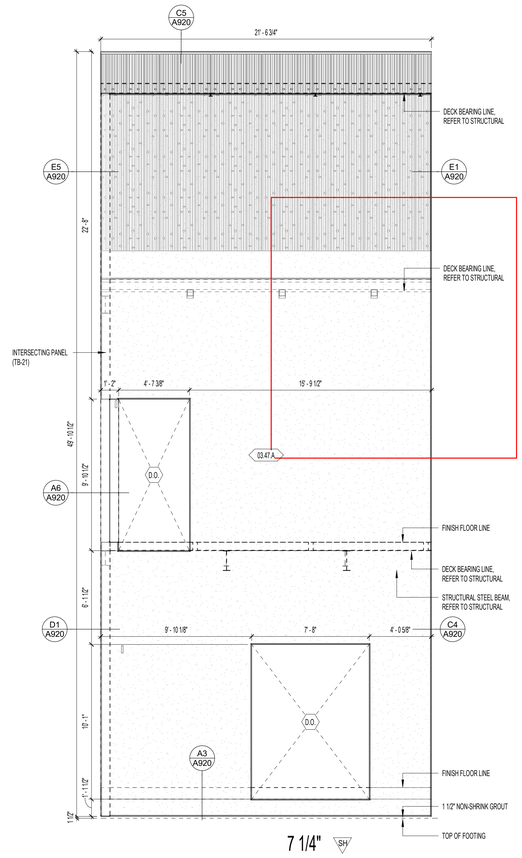
A913



C1 A914 **TILT-UP ELEVATION - TB-22**
1/4" = 1'-0"



C3 A914 **TILT-UP ELEVATION - TB-21**
1/4" = 1'-0"



C4 A914 **TILT-UP ELEVATION - TB-20**
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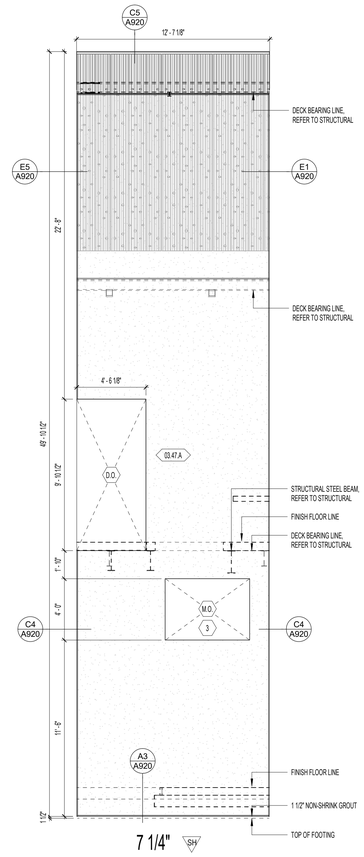
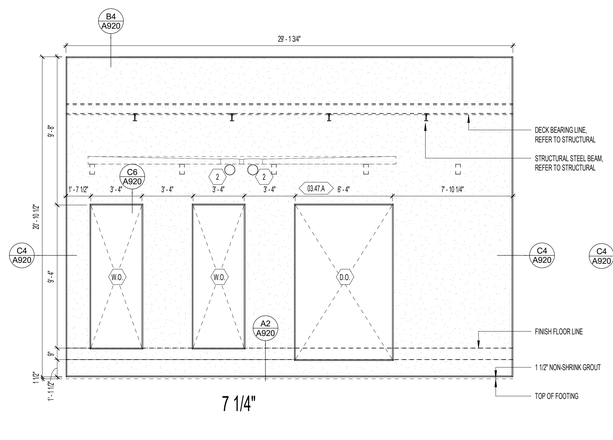
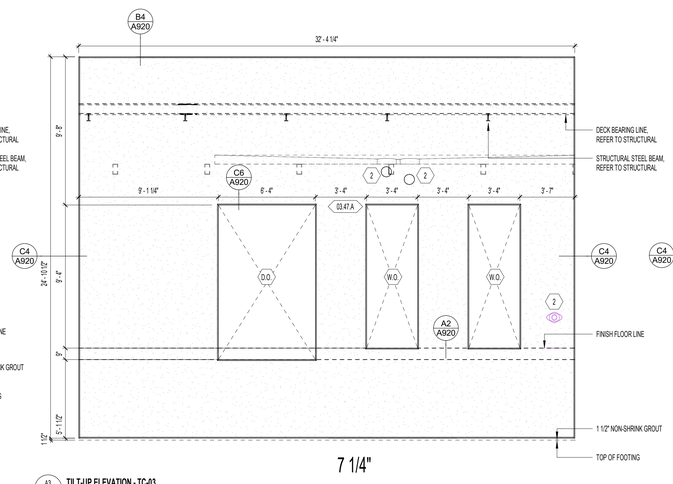


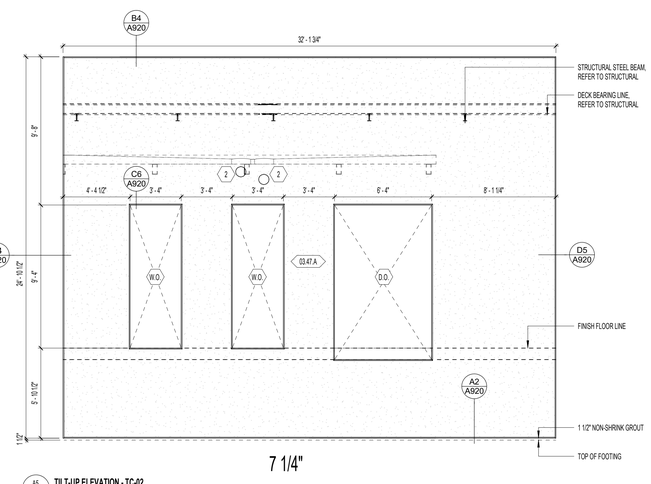
C5 A914 **TILT-UP ELEVATION - TB-19**
1/4" = 1'-0"



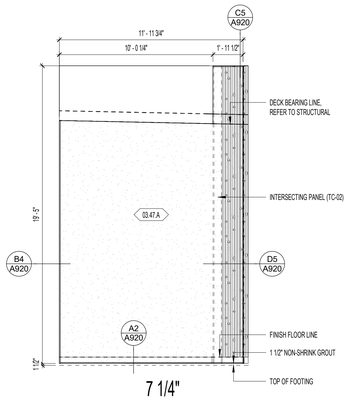
A1 A914 **TILT-UP ELEVATION - TC-04**
1/4" = 1'-0"



A3 A914 **TILT-UP ELEVATION - TC-03**
1/4" = 1'-0"



A5 A914 **TILT-UP ELEVATION - TC-02**
1/4" = 1'-0"



A6 A914 **TILT-UP ELEVATION - TC-01**
1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL A/AXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

TILT-UP WALL PANEL LEGEND

X"

7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
2	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
SB	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

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NAYLOR WENTWORTH LUND ARCHITECTS
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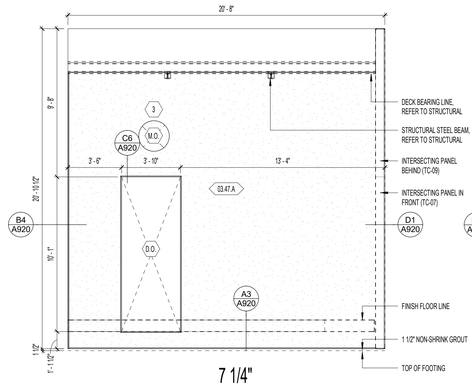
LICENSED ARCHITECT

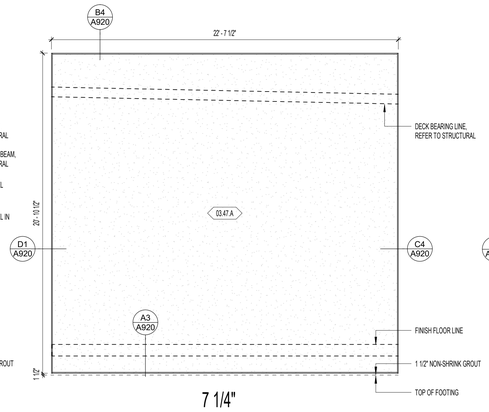
△ DATE REVISION

TILT UP PANEL ELEVATIONS

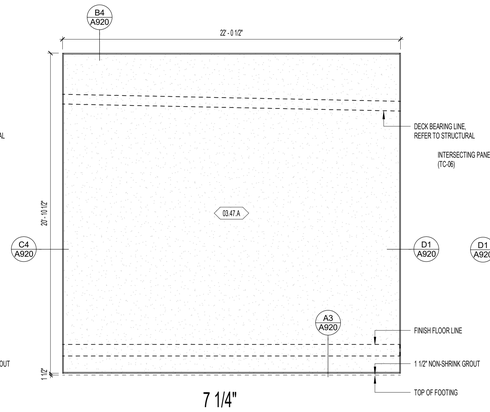
A914



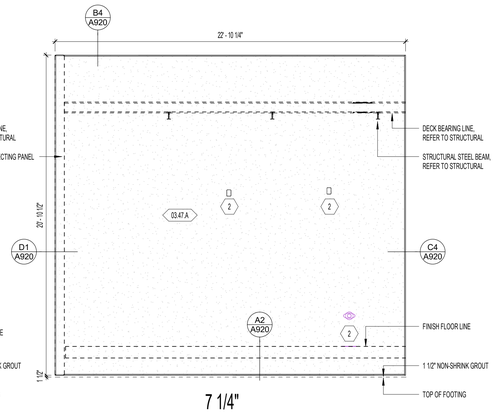
D1 A915 **TILT-UP ELEVATION - TC-08** 1/4" = 1'-0"



D3 A915 **TILT-UP ELEVATION - TC-07** 1/4" = 1'-0"



D4 A915 **TILT-UP ELEVATION - TC-06** 1/4" = 1'-0"



D5 A915 **TILT-UP ELEVATION - TC-05** 1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL A/A/XXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

TILT-UP WALL PANEL LEGEND

X"

7 1/4" 7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

9" 9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

9 1/4" 9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

2 CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

D5 CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

KEY VALUE	NOTE
03.47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED

B1 A915 **TILT-UP ELEVATION - TC-12** 1/4" = 1'-0"

B3 A915 **TILT-UP ELEVATION - TC-11** 1/4" = 1'-0"

B4 A915 **TILT-UP ELEVATION - TC-10** 1/4" = 1'-0"

B6 A915 **TILT-UP ELEVATION - TC-09** 1/4" = 1'-0"

A1 A915 **TILT-UP ELEVATION - TC-17** 1/4" = 1'-0"

A2 A915 **TILT-UP ELEVATION - TC-16** 1/4" = 1'-0"

A4 A915 **TILT-UP ELEVATION - TC-15** 1/4" = 1'-0"

A5 A915 **TILT-UP ELEVATION - TC-14** 1/4" = 1'-0"

A6 A915 **TILT-UP ELEVATION - TC-13** 1/4" = 1'-0"

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 02/25/2025
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STATE OF UTAH
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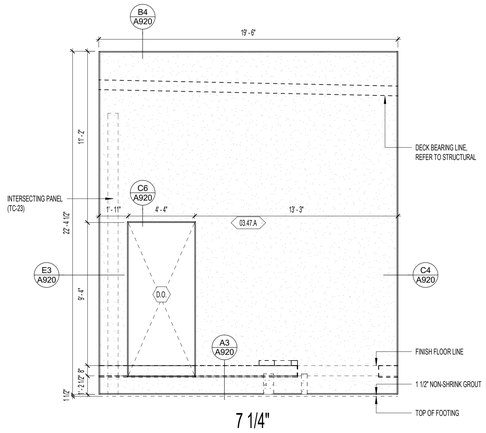
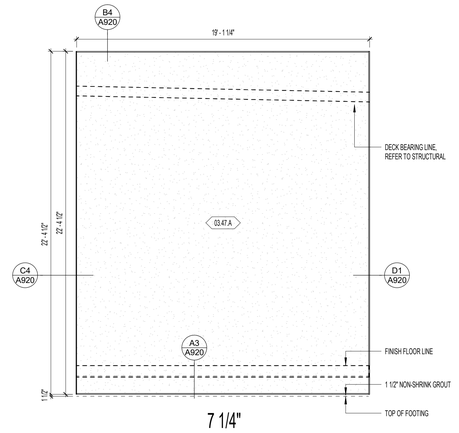
△ DATE REVISION

TILT UP PANEL ELEVATIONS

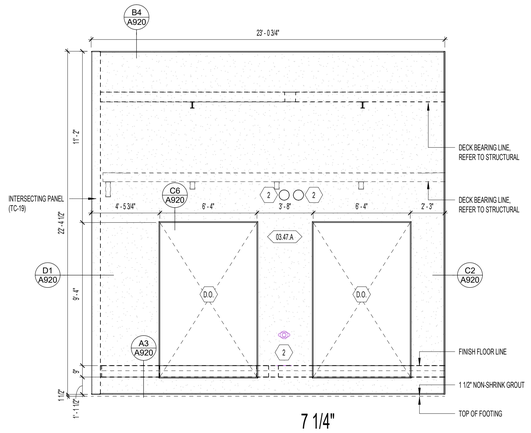
A915



D2 A916 **TILT-UP ELEVATION - TC-20**
1/4" = 1'-0"



D3 A916 **TILT-UP ELEVATION - TC-19**
1/4" = 1'-0"



D6 A916 **TILT-UP ELEVATION - TC-18**
1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL AXAXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

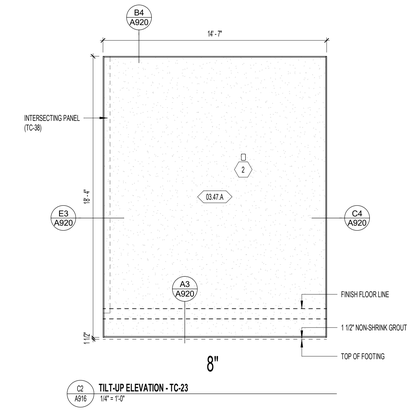
TILT-UP WALL PANEL LEGEND

X"

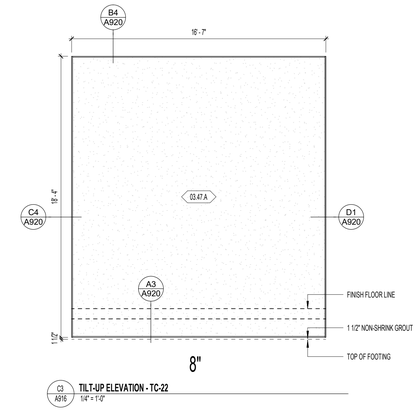
- 7 1/4" 7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9" 9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9 1/4" 9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 2 CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- SW CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

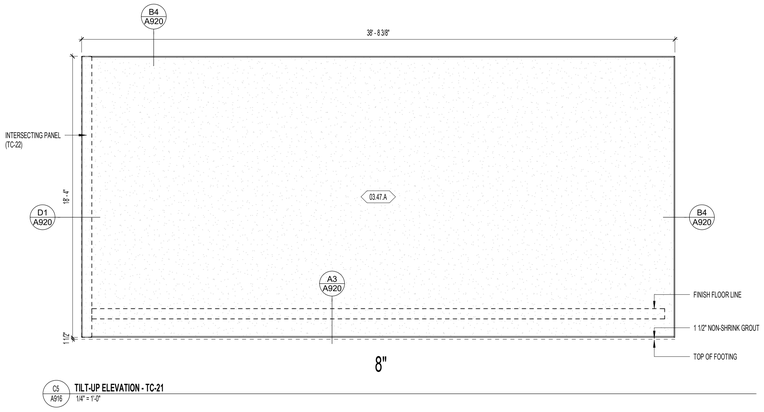
KEY VALUE	NOTE
03.47.A	03.4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED



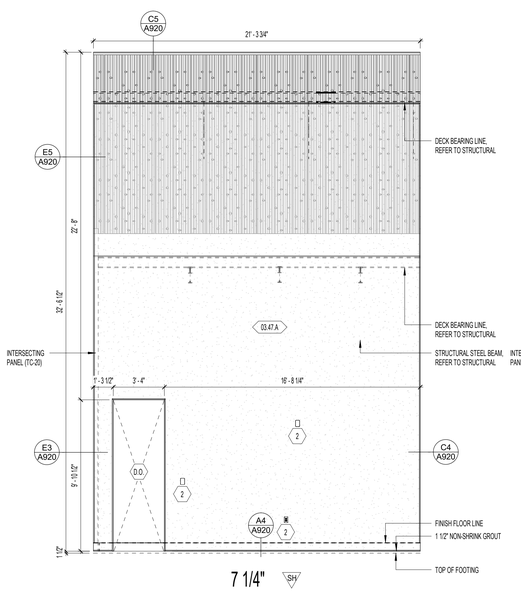
C2 A916 **TILT-UP ELEVATION - TC-23**
1/4" = 1'-0"



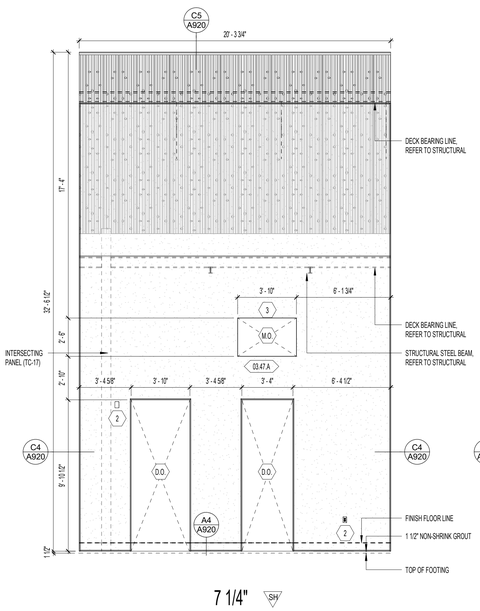
C3 A916 **TILT-UP ELEVATION - TC-22**
1/4" = 1'-0"



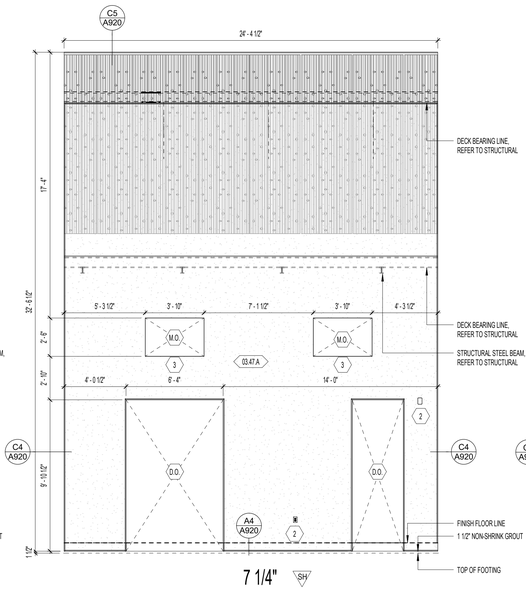
C5 A916 **TILT-UP ELEVATION - TC-21**
1/4" = 1'-0"



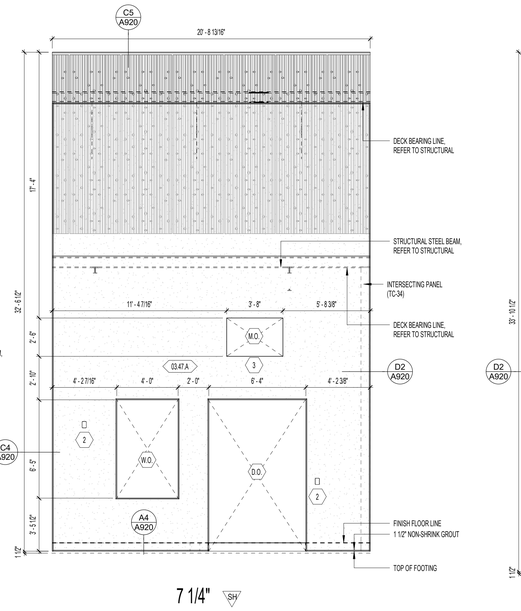
A1 A916 **TILT-UP ELEVATION - TC-28**
1/4" = 1'-0"



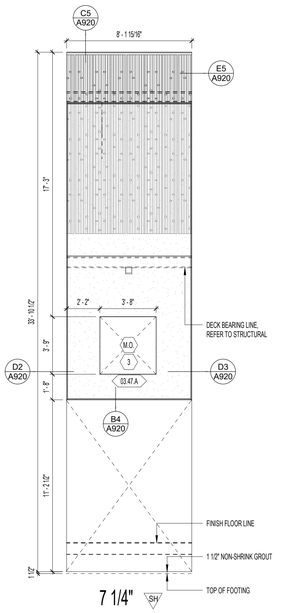
A3 A916 **TILT-UP ELEVATION - TC-27**
1/4" = 1'-0"



A4 A916 **TILT-UP ELEVATION - TC-26**
1/4" = 1'-0"



A5 A916 **TILT-UP ELEVATION - TC-25**
1/4" = 1'-0"



A6 A916 **TILT-UP ELEVATION - TC-24**
1/4" = 1'-0"

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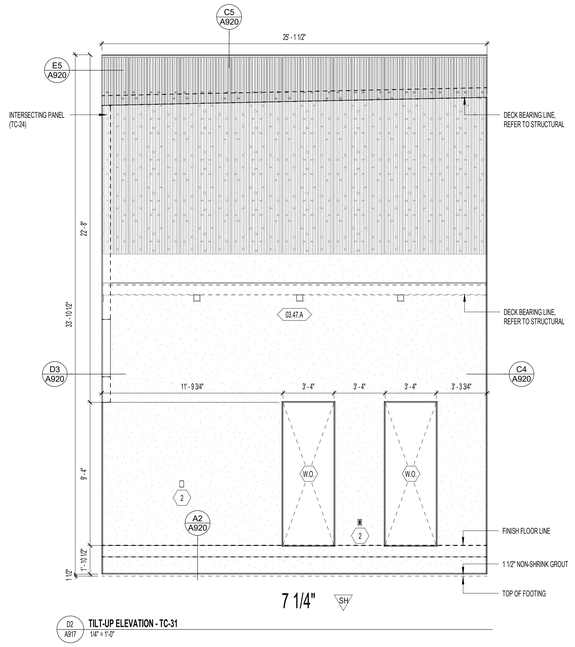
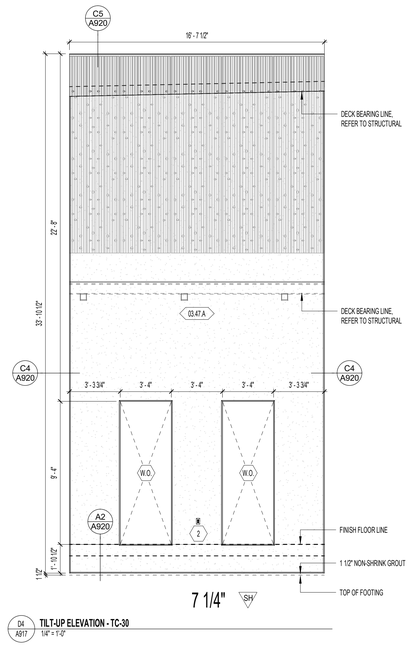
TILT UP PANEL ELEVATIONS

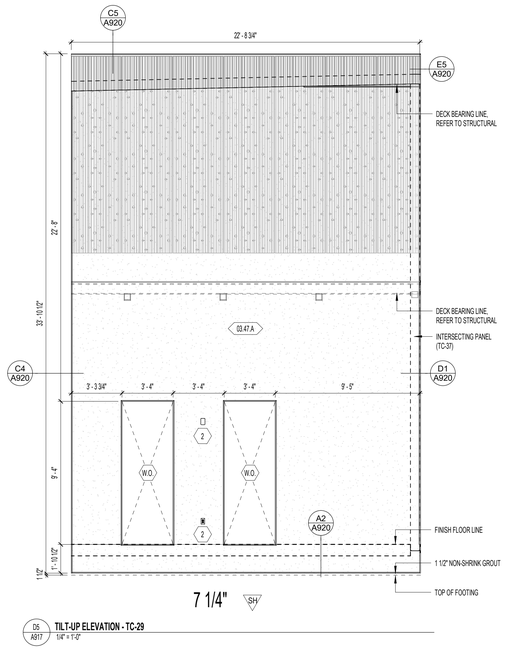
A916



D2 A917 **TILT-UP ELEVATION - TC-31**
1/4" = 1'-0"



D4 A917 **TILT-UP ELEVATION - TC-30**
1/4" = 1'-0"



D5 A917 **TILT-UP ELEVATION - TC-29**
1/4" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR XX FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL AXIAXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

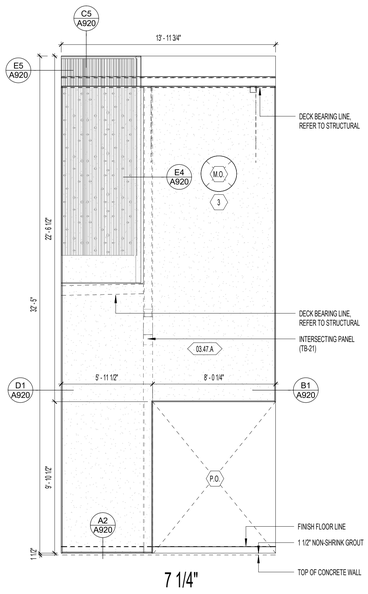
TILT-UP WALL PANEL LEGEND

X*

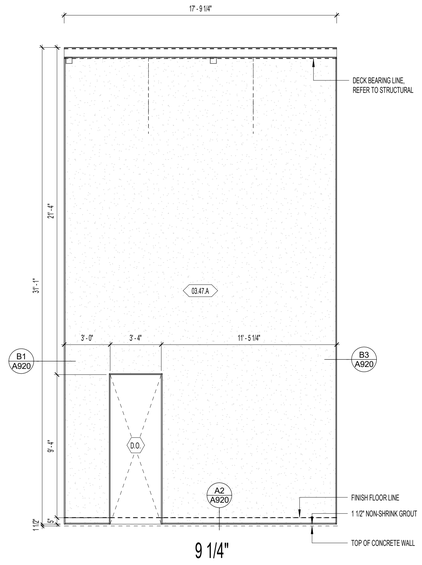
7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
2	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
SH	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

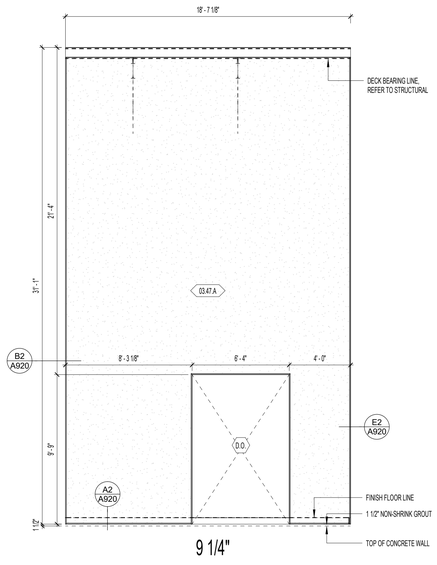
KEY VALUE	NOTE
03.47 A	03.4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED



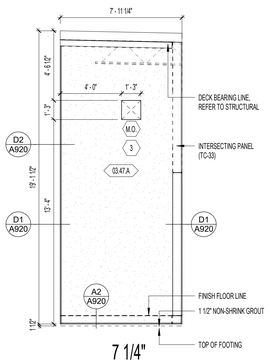
A2 A917 **TILT-UP ELEVATION - TC-37**
1/4" = 1'-0"



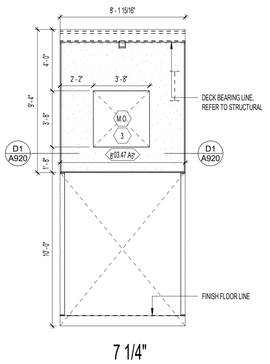
A3 A917 **TILT-UP ELEVATION - TC-36**
1/4" = 1'-0"



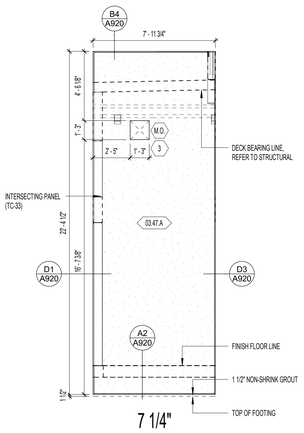
A4 A917 **TILT-UP ELEVATION - TC-35**
1/4" = 1'-0"



A5 A917 **TILT-UP ELEVATION - TC-34**
1/4" = 1'-0"



A6a A917 **TILT-UP ELEVATION - TC-33**
1/4" = 1'-0"



A6b A917 **TILT-UP ELEVATION - TC-32**
1/4" = 1'-0"

naylor wentworth lund
architects

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

△	DATE	REVISION

TILT UP PANEL ELEVATIONS

A917

CACHE COUNTY SCHOOL DISTRICT

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR (XX) FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL A/A(XXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

- D.O. DOOR OPENING
- W.O. WINDOW OPENING
- P.O. PANEL OPENING
- M.O. MECHANICAL OPENING
- F.E. RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

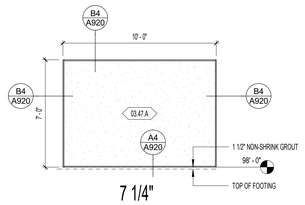
TILT-UP WALL PANEL LEGEND

X"

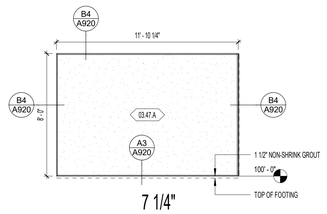
- 7 1/4" 7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9" 9" CONCRETE TILT-UP SANDWICH PANEL: 5" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- 9 1/4" 9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- (S) CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
- (SS) CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

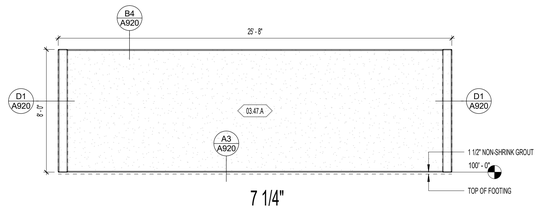
KEY VALUE	NOTE
03 47 A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED



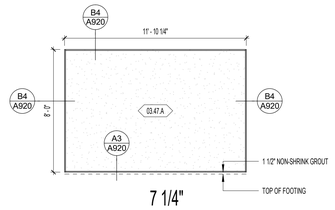
C1 A918 TILT-UP ELEVATION - DM-04
1/4" = 1'-0"



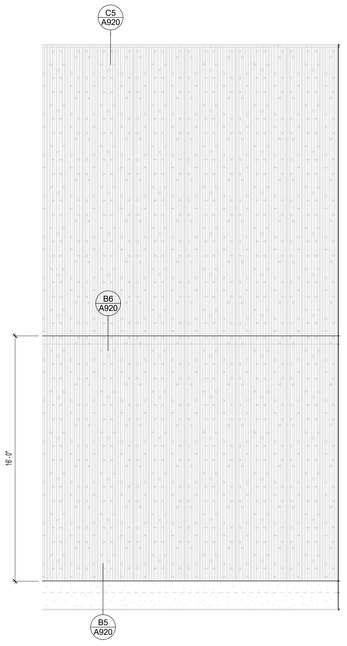
C2 A918 TILT-UP ELEVATION - DM-03
1/4" = 1'-0"



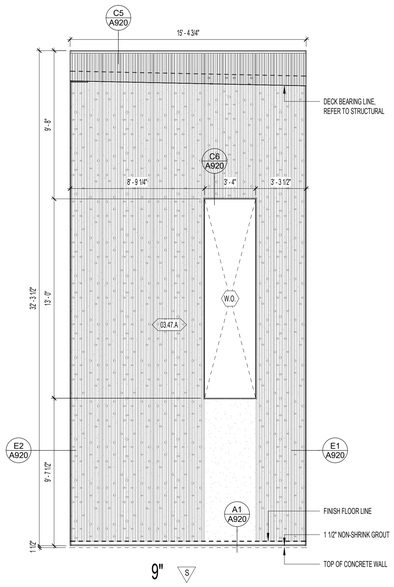
C3 A918 TILT-UP ELEVATION - DM-02
1/4" = 1'-0"



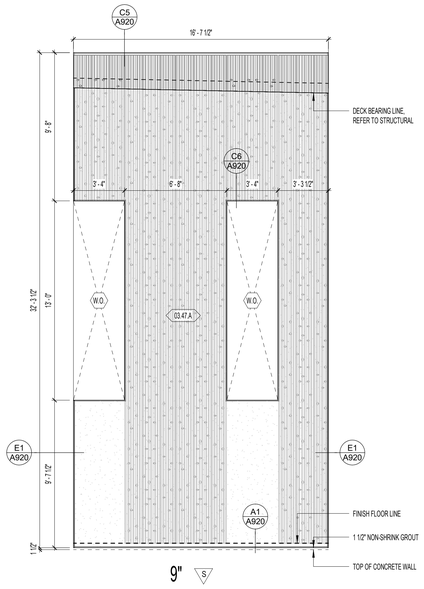
C5 A918 TILT-UP ELEVATION - DM-01
1/4" = 1'-0"



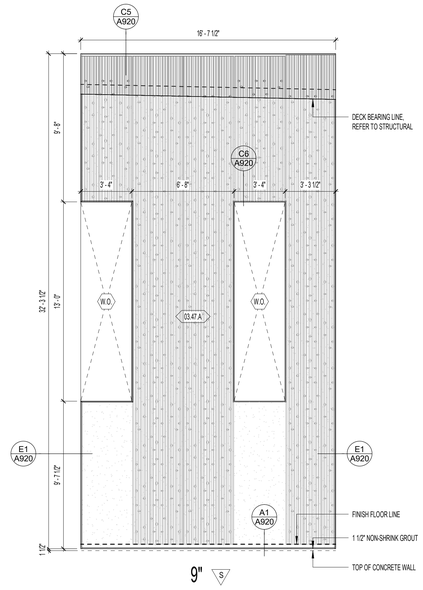
A1 A918 TYP. FORMLINER ELEVATION
1/4" = 1'-0"



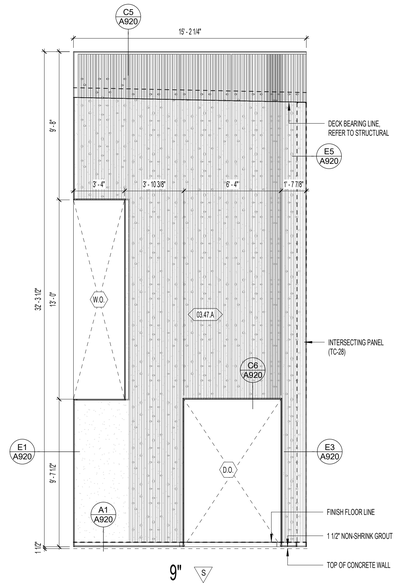
A2 A918 TILT-UP ELEVATION - TC-41
1/4" = 1'-0"



A4 A918 TILT-UP ELEVATION - TC-40
1/4" = 1'-0"



A5 A918 TILT-UP ELEVATION - TC-39
1/4" = 1'-0"



A6 A918 TILT-UP ELEVATION - TC-38
1/4" = 1'-0"

naylor wentworth lund
architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

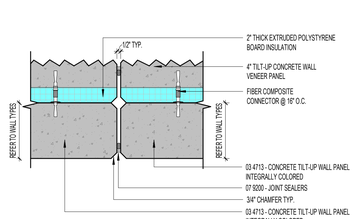
BID SET 03/25/2025
DRAWING ISSUE 01/10/2022
ISSUE DATE
NWL PROJECT

STATE OF UTAH
NAYLOR WENTWORTH LUND ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

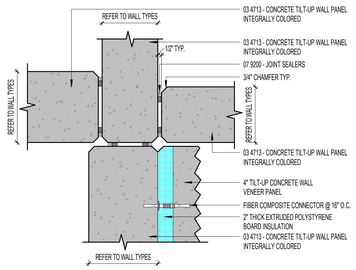
△ DATE REVISION

TILT UP PANEL ELEVATIONS

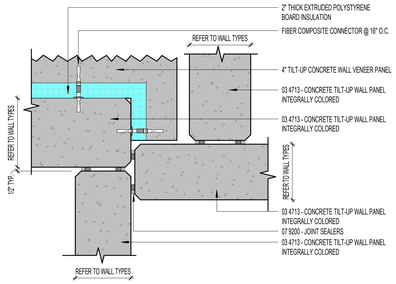
A918



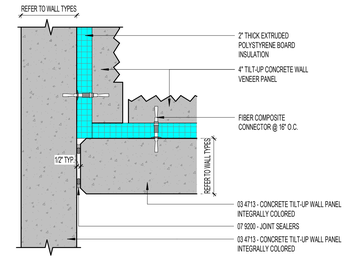
E1 A920 **TILT-UP DETAIL 19**
1 1/2" = 1'-0"



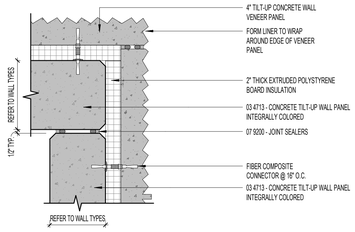
E2 A920 **TILT-UP DETAIL 20**
1 1/2" = 1'-0"



E3 A920 **TILT-UP DETAIL 21**
1 1/2" = 1'-0"



E4 A920 **TILT-UP DETAIL 22**
1 1/2" = 1'-0"



E5 A920 **TILT-UP DETAIL 23**
1 1/2" = 1'-0"

GENERAL NOTES - TILT-UP ELEVATION

1. REFERENCE SHEET AXXX FOR (XX) FORMLINER REVEAL DETAILS AND TILT-UP PANEL REVEALS.
2. ALL PIPE PENETRATIONS IN PANELS TO BE COORDINATED WITH PLUMBING AND ELECTRICAL DRAWINGS. FINAL COORDINATION WITH PLUMBING AND ELECTRICAL CONTRACTOR REQUIRED.
3. ALL MECHANICAL OPENINGS IN PANELS TO BE COORDINATED WITH MECHANICAL DRAWINGS. FINAL COORDINATION WITH MECHANICAL CONTRACTOR REQUIRED.
4. REFERENCE DETAIL AXAXXX FOR BASE DETAILS AT TILT-UP PANEL EDGE. CONTRACTOR TO REFERENCE FINISH PLANS WHERE DETAIL OCCURS.

PANEL NOTES

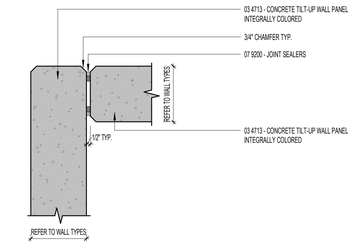
- (D.O.) DOOR OPENING
- (W.O.) WINDOW OPENING
- (P.O.) PANEL OPENING
- (M.O.) MECHANICAL OPENING
- (F.E.) RECESS IN PANEL FOR FIRE EXTINGUISHER OPENING. COORDINATE WITH MANUFACTURER FOR ACTUAL DIMENSIONS REQUIRED FOR FIRE EXTINGUISHER CABINET.

X* TILT-UP WALL PANEL LEGEND

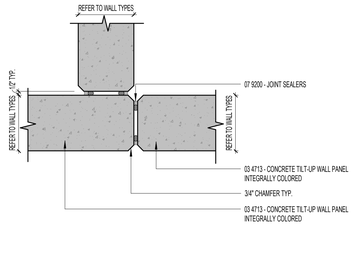
7 1/4"	7 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9"	9" CONCRETE TILT-UP SANDWICH PANEL: 9" CONCRETE STRUCTURE TILT-UP PANEL, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
9 1/4"	9 1/4" CONCRETE TILT-UP PANEL; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
(S)	CONCRETE TILT-UP SANDWICH PANEL: 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
(SS)	CONCRETE TILT-UP SANDWICH PANEL: SANDWICH PANEL BEGINS ABOVE ROOF LINE, 2" RIGID INSULATION, 4" CONCRETE VENEER; REFER TO TILT-UP PANEL ELEVATIONS, SPECIFICATIONS, AND STRUCTURAL DRAWINGS.

NWL-LEGEND - KEYNOTE

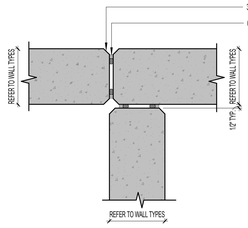
KEY VALUE	NOTE
03.30.A	03 3000 - REINFORCED CONCRETE FOOTING OVER STRUCTURAL FILL, FREE FROM ORGANIC MATERIAL AND DEBRIS; REFER TO STRUCTURAL DRAWINGS
03.30.B	03 3000 - REINFORCED CONCRETE WALL; REFER TO STRUCTURAL DRAWINGS
03.47.A	03 4713 - CONCRETE TILT-UP WALL PANEL INTEGRALLY COLORED
03.47.B	03 4713 - CONCRETE TILT-UP SANDWICH WALL PANEL INTEGRALLY COLORED; REFER TO TILT PANEL ELEVATIONS & STRUCTURAL DRAWINGS
03.47.C	03 4713 - CONCRETE TILT-UP WALL PANEL FORM LINER
04.27.A	04 2731 - 16" REINFORCED CONCRETE MASONRY, 8" HIGH, 8" WIDE, SPLIT FACE FINISH, REFER TO STRUCTURAL DRAWINGS
05.92.P	05 5000 - STEEL ANGLE, BAR, AND EMBED SYSTEM FOR FOOTING AND TILT-UP PANEL CONNECTION, REFER TO STRUCTURAL DRAWINGS
07.92.B	07 9200 - JOINT SEALERS



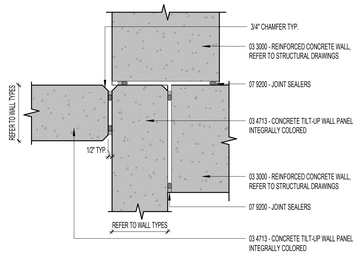
D1 A920 **TILT-UP DETAIL 14**
1 1/2" = 1'-0"



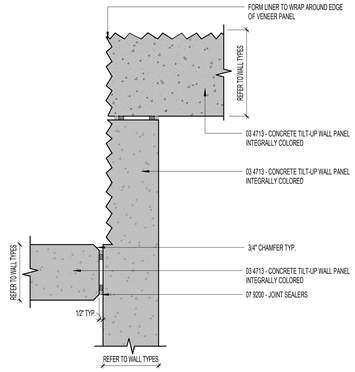
D2 A920 **TILT-UP DETAIL 15**
1 1/2" = 1'-0"



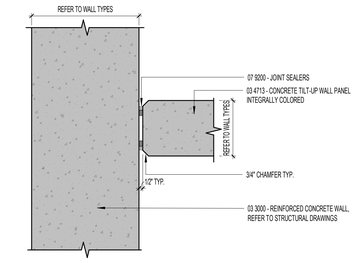
D3 A920 **TILT-UP DETAIL 16**
1 1/2" = 1'-0"



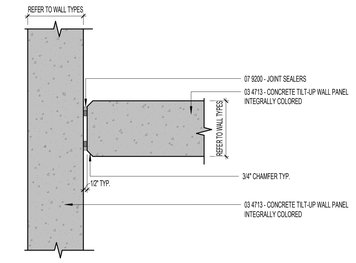
D4 A920 **TILT-UP DETAIL 17**
1 1/2" = 1'-0"



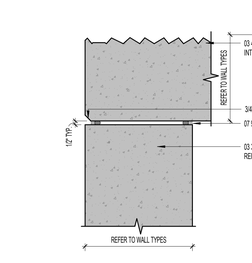
D5 A920 **TILT-UP DETAIL 13**
1 1/2" = 1'-0"



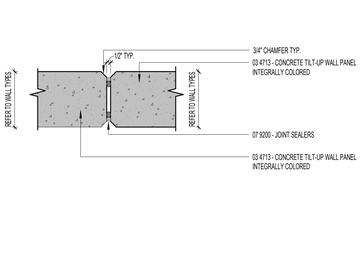
C1 A920 **TILT-UP DETAIL 9**
1 1/2" = 1'-0"



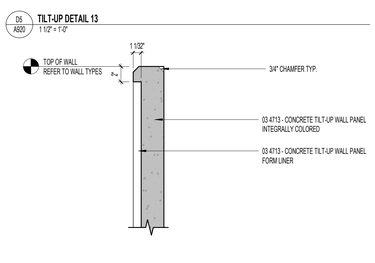
C2 A920 **TILT-UP DETAIL 10**
1 1/2" = 1'-0"



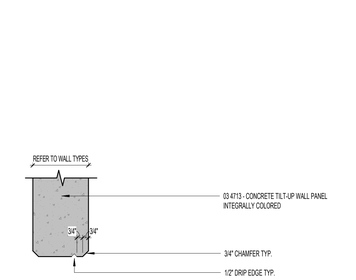
C3 A920 **TILT-UP DETAIL 11**
1 1/2" = 1'-0"



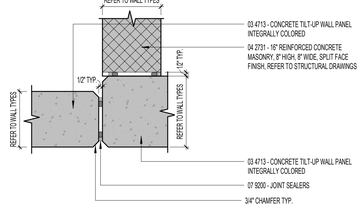
C4 A920 **TILT-UP DETAIL 12**
1 1/2" = 1'-0"



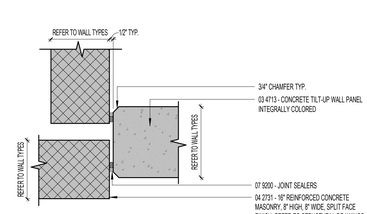
C5 A920 **TILT-UP DETAIL 18**
1 1/2" = 1'-0"



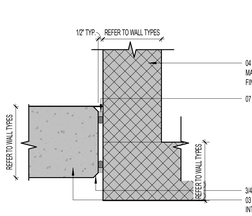
C6 A920 **TILT-UP DETAIL 25**
1 1/2" = 1'-0"



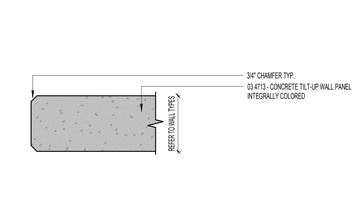
B1 A920 **TILT-UP DETAIL 5**
1 1/2" = 1'-0"



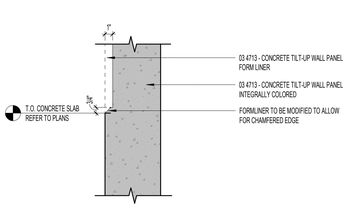
B2 A920 **TILT-UP DETAIL 6**
1 1/2" = 1'-0"



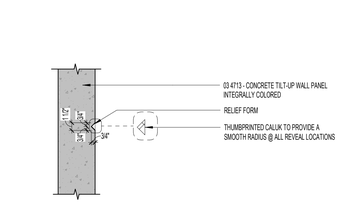
B3 A920 **TILT-UP DETAIL 7**
1 1/2" = 1'-0"



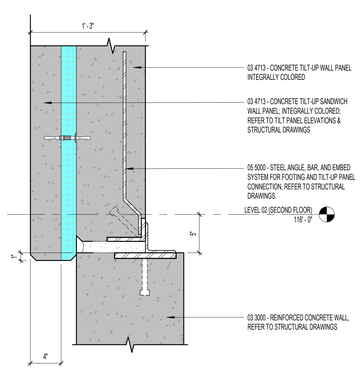
B4 A920 **TILT-UP DETAIL 8**
1 1/2" = 1'-0"



B5 A920 **TILT-UP DETAIL 26**
1 1/2" = 1'-0"



B6 A920 **TILT-UP REVEAL DETAIL**
1" = 1'-0"



A1 A920 **TILT-UP DETAIL 1**
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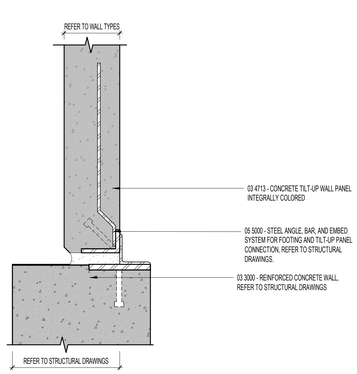
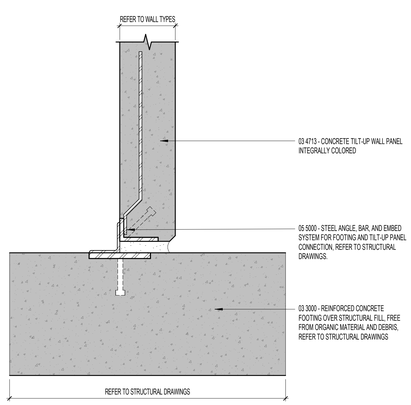


A2 A920 **TILT-UP DETAIL 2**
1 1/2" = 1'-0"



A3 A920 **TILT-UP DETAIL 3**
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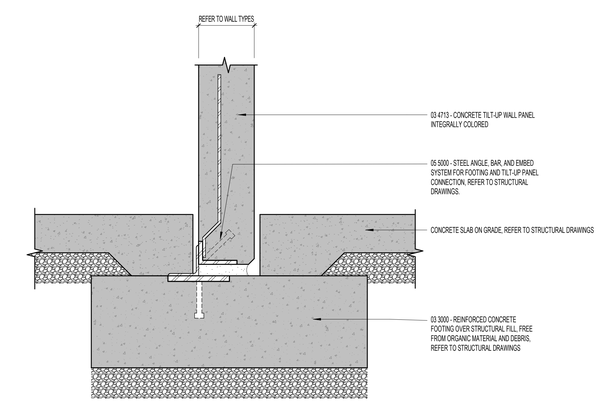
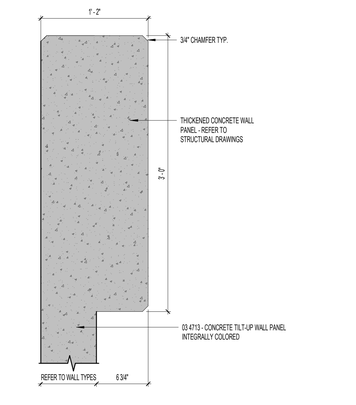


A4 A920 **TILT-UP DETAIL 24**
1 1/2" = 1'-0"



A6 A920 **TILT-UP DETAIL 4**
1 1/2" = 1'-0"

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HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

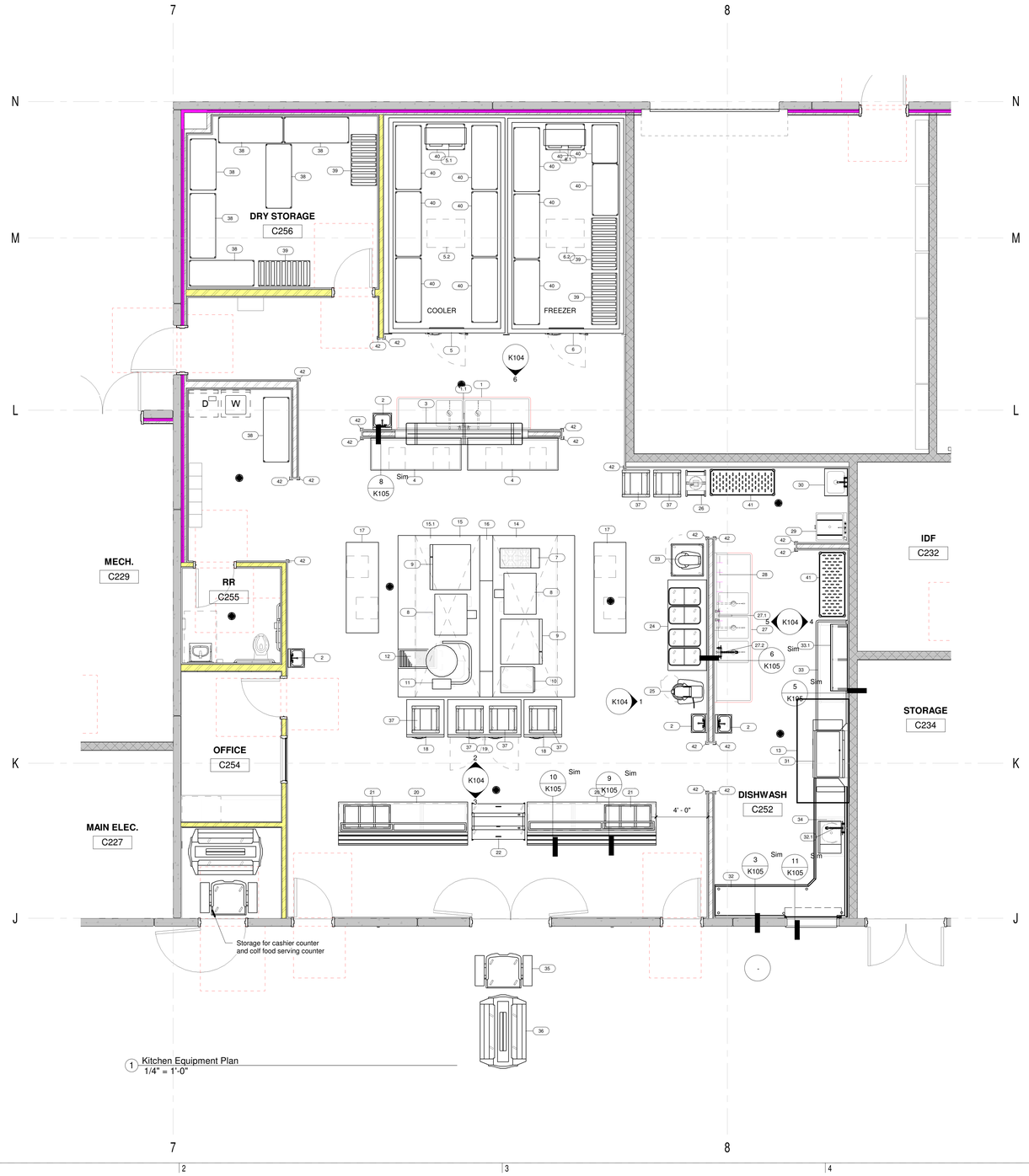
DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

STATE OF UTAH
NAYLOR WENTWORTH LUND, ARCHITECTS
#319164
#183992
#7247356
LICENSED ARCHITECT

DATE	REVISION

TILT UP PANEL DETAILS

A920



1 Kitchen Equipment Plan
1/4" = 1'-0"

EQUIPMENT SCHEDULE					
ITEM	QTY	Category	MANUFACTURER	MODEL NUMBER	Equipment Remarks
1	1	SINK, TWO COMP	ADVANCE	94-42-48-36RL	
1.1	1	WALL/SPLASH MOUNT FAUCET	T&S Brass	B-0231-CC	
2	4	HAND SINK	ADVANCE	7-PS-50	
3	1	POT RACK, CEILING MOUNT	ADVANCE	SC-108	
4	2	WORK TABLE	ADVANCE TABCO	VKS-307	
5	1	WALK-IN COOLER	KOLPAK		NO PRE-FAB FLOOR
5.1	1	WALK-IN COOLER EVAPORATOR	KOLPAK		
5.2	1	WALK-IN COOLER CONDENSER	KOLPAK		
6	1	WALK-IN FREEZER	KOLPAK		NO PRE-FAB FLOOR
6.1	1	WALK-IN COOLER EVAPORATOR	KOLPAK		
6.2	1	WALK-IN FREEZER CONDENSER	KOLPAK		
7	1	RANGE, 18"	VULCAN	V2B18B	
8	2	CONVECTION OVEN, GAS	SOUTHBEND	PCG140S/S	
9	2	COMBI OVEN, GAS	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	
10	1	PROOFER CABINET	CRES COR	121-PH-UA-11D	
11	1	KETTLE, GAS, TILTING	VULCAN	K40GLT	WITH PANTRY FAUCET
12	1	FLOOR TROUGH	ADVANCE	FTG-1836	
13	1	HOOD TYPE II	CAPTIVE AIRE		
14	1	EXHAUST HOOD TYPE 1	CAPTIVE AIRE		
15	1	EXHAUST HOOD TYPE 1	CAPTIVE AIRE		
15.1	1	FIRE SUPRESSION SYSTEM	ANSUL	R-102	
16	1	UTILITY DISTRIBUTION SYSTEM - WALL	CAPTIVEAIRE	CUSTOM	
17	2	WORK TABLE, S/S TOP	ADVANCE	MS-307	
18	2	HEATED CABINET, ROLL-IN	TRUE	STR1HRI-1S	
19	1	REFRIGERATOR, ROLL-IN	TRUE	STR2RRI-2S	
20	2	SERVING COUNTER	CUSTOM	CUSTOM	
21	2	HOT FOOD WELL, DROP-IN	APW	HFW-3DS	
22	1	MILK COOLER	TRUE	TMC-49-DS-HC	
23	1	MIXER - 20 QT.	HOBART	HL200-1STD	WITH STAND
24	1	WORK TABLE	ADVANCE	TKSS-367	
25	1	MIXER 30 QT.	HOBART	HL300-1STD	
26	1	DOUGH DIVIDER	DUTCHESS BAKERS	BMIH-36/18	
27	1	THREE COMP SINK	ADVANCE	94-83-60-36RL	
27.1	1	WALL/SPLASH MOUNT FAUCET	T&S Brass	B-0231-CC	
27.2	1	PRE-RINSE FAUCET	T&S BRASS	B-0133-CR	
28	1	POT RACK WITH SHELF, WALL MOUNT	ADVANCE	PS-12-72	
29	1	CAN WASH	IMC/TEDDY	DL-2	
30	1	MOP SINK	BY MECHANICAL		WITH SERVICE FAUCET
31	1	WAREWASHER, CONVEYOR	HOBART	CL54EN-EGR+BUILDUP	WITH ELEC BOOSTER
32	1	DIRTY DISHTABLE WITH PASS THRU WINDOW	CUSTOM		
32.1	1	PRE-RINSE FAUCET	T&S BRASS	B-0133-CR	
33	1	DISHTABLE, CLEAN	CUSTOM	-	
33.1	1	SORTING SHELF	ADVANCE	DT-6R-13	
34	1	SCRAP COLLECTOR	SALVAJOR	S914	
35	1	CASH REGISTER STAND	CABMBRO	BCSWRHD110	
36	1	SERVING COUNTER, MOBILE	CAMBRO	VBR5110	
37	6	BUN / SHEET PAN RACK	CRES COR	2736512/1818	
38	7	WIRE SHELVING	METRO		
39	4	DUNNAGE RACK	METRO	HP2248PD	
40	13	WIRE SHELVING	METRO		
41	2	LOUVERED SLOTTED SHELVING	METRO	2460HLS	
42	19	CORNER GUARD 16 GA	CUSTOM	CUSTOM	

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HYDE PARK CITY, UT
84318

BID SET 03/25/2025
DRAWING 0119.002
ISSUE NWL

DATE	REVISION

KITCHEN EQUIPMENT PLAN

K101

ELECTRICAL ROUGH-IN SCHEDULE											
ITEM	QTY	Category	Amps	KW	HP	Volts	Phase	Conn Type	Nema	Conn HT	Electrical Remarks
5	1	WALK-IN COOLER	6.0			120	1	DIRECT		D.F.A.	
5.1	1	WALK-IN COOLER EVAPORATOR	X			120	1	DIRECT		D.F.A.	
5.2	1	WALK-IN COOLER CONDENSER	5.2		3/4	208	3	DIRECT		ROOF	
6	1	WALK-IN FREEZER	6.0			120	1	DIRECT		D.F.A.	
6.1	1	WALK-IN COOLER EVAPORATOR	X			120	1	DIRECT		D.F.A.	
6.2	1	WALK-IN FREEZER CONDENSER	9.6		2.5	208	3	DIRECT		ROOF	
8	2	CONVECTION OVEN, GAS	(2)7.9		1/2	120	1	CORD & PLUG	5-15P	UDS WALL	
9	2	COMBI OVEN, GAS	(2) 7.8	0.9		208	1	DIRECT		UDS WALL	
10	1	PROOFER CABINET	16.7			120	1	PLUG	5-20P	UDS WALL	
11	1	KETTLE, GAS, TILTING	5.0			120	1	PLUG		24"	
13	1	HOOD TYPE II	X			120	1	DIRECT		D.F.A.	SEE MECH. FOR FAN REQUIREMENTS
14	1	EXHAUST HOOD TYPE 1	X			120	1	DIRECT		D.F.A.	LIGHTS - SEE MECH. FOR FAN REQUIREMENTS
15	1	EXHAUST HOOD TYPE 1	X			120	1	DIRECT		D.F.A.	LIGHTS - SEE MECH. FOR FAN REQUIREMENTS
18	2	HEATED CABINET, ROLL-IN		2000 WATTS		115/208	1	PLUG	14-20P	UDS	
19	1	REFRIGERATOR, ROLL-IN	11.8		1/2	120	1		5-15P	UDS	
21	2	HOT FOOD WELL, DROP-IN		900 WATTS		208	3	DIRECT			
22	1	MILK COOLER	2.7			115	1	CORD & PLUG	5-15P	STUB	
23	1	MIXER - 20 QT.	8.0		1/2	120	1	PLUG		STUB UP	
25	1	MIXER 30 QT.	9.5		3/4	120	1	Plug		12"	
31	1	WAREWASHER, CONVEYOR	126.2			208	3	Direct		63"	E.C. to interconnect table limit switch to dishwasher
34	1	SCRAP COLLECTOR	5.5		3/4	208	1	Direct		24"	

KITCHEN ELECTRICAL NOTES:

1. Electrical system is designed for 208 / 480 volts, 3 phase, 4 wire, 60 hertz.

2. All outlets and connections shown relate to foodservice and equipment only. See engineering plans for additional electrical requirements.

3. This electrical rough-in plan is intended to show outlet locations, connection positions and loads. Any dimensions shown are from column grid lines or walls.

4. All electrical work for fabricated foodservice equipment shall be completely wired by kitchen equipment division to a junction box or pull box mounted on the equipment in an accessible position. Final connections to equipment junction box or pull box and all electrical work from panel boards, to be by the ELECTRICAL CONTRACTOR

5. Final connections to all equipment to be by ELECTRICAL CONTRACTOR, including materials.

6. **Electrical contractor to furnish and install the following:**

   A - All junction boxes, electrical outlets, cover plates, switches, etc., not built into fixtures or equipment. All outlets, junction boxes, cover plates,etc., in dishrooms, or as indicated on schedules, must be vapor-proof.

   B - All plugs and cords as noted on schedule. All cords shall be NEMA rated and U.L. approved for manufactured and or fabricated equipment.

   C - Shunt trip circuit breakers or disconnects for fire control system shut-off of foodservice equipment below hoods / ventilators as required by N.F.P.A 96, and local codes.

   D - Disconnects or other devices as required by codes.

7. When applicable, electrical contractor to provide conduit and wiring, install electrical components (provided by KEC), and interwire between the following:

   A - Remote refrigeration equipment to evaporator coils.

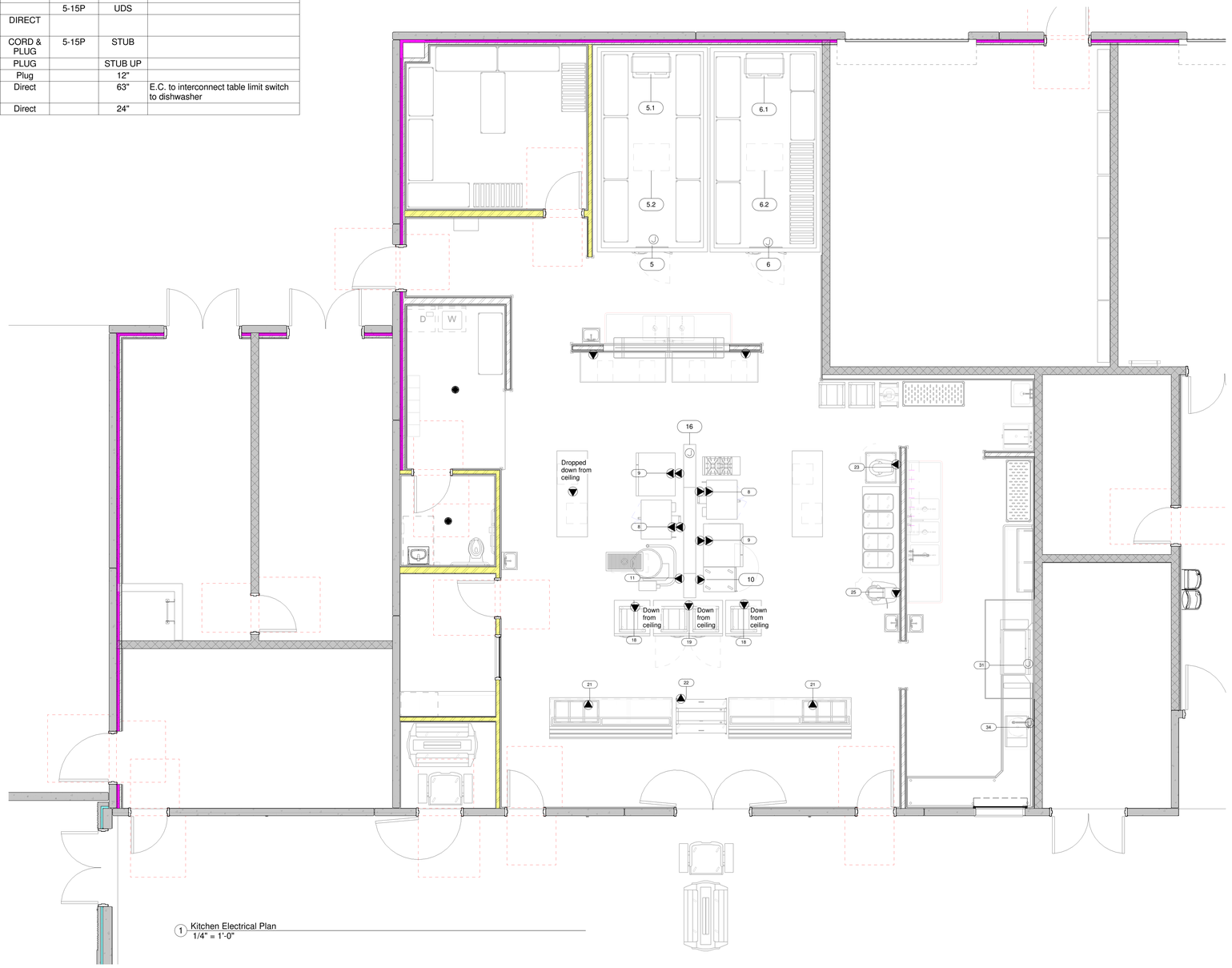
   B - Control panels to water-wash ventilators and exhaust / supply fans per manufacturers instructions.

   C - Kitchen exhaust hood / ventilators to fire control system and shut-offs.

   D - Mount an wire extra walk-in cooler and freezer lights by K.E.C.

ELECTRICAL LEGEND

DUPLEX RECEPTACLE - CONV. OUTLET	V. VOLTS
DESIGNATED OUTLET	PH. PHASE
DROP CORD (HT AS INDICATED)	K.W. KILOWATT
JUNCTION BOX	AMP. AMPERE
CONNECTION	HP. HORSE POWER
DATA OUTLET FOR P.O.S.	A.F.F. ABOVE FINISHED FLOOR
	D.F.A. DOWN FROM ABOVE



1 Kitchen Electrical Plan
1/4" = 1'-0"

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DRAWING | 0119.002
ISSUE | NWL

DATE	REVISION

KITCHEN ELECTRICAL ROUGH-INS

K102

PLUMBING ROUGH-IN SCHEDULE												
ITEM	QTY	Category	CW size	HW size	Water HT	Direct Drain size	Direct Drain HT	Indirect Drain size	Gas size	Gas HT	Gas MBTU	PLUMBING REMARKS
1	1	SINK, TWO COMP						1-1/2"				
1.1	1	WALL/SPLASH MOUNT FAUCET	1/2"	1/2"	18"							
2	4	HAND SINK	1/2"	1/2"	18"	1-1/2"	20"					
5.1	1	WALK-IN COOLER EVAPORATOR						5/8"				
6.1	1	WALK-IN COOLER EVAPORATOR						5/8"				
7	1	RANGE, 18"							1-1/4"	16	70.0	
8	2	CONVECTION OVEN, GAS							3/4"	UDS WALL	140.0	
9	2	COMBI OVEN, GAS	(2)3/4"		24", 36"			2"	3/4"	UDS Wall	106.5	
11	1	KETTLE, GAS, TILTING	1/2"	1/2"	18"				3/4"	UDS WALL	100	
12	1	FLOOR TROUGH				4"						
21	2	HOT FOOD WELL, DROP-IN						1"				
27.1	1	WALL/SPLASH MOUNT FAUCET	1/2"	1/2"	18"							
27.2	1	PRE-RINSE FAUCET	1/2"	1/2"	16							
29	1	CAN WASH	1/2"	1/2"	24"			1-1/2"				
30	1	MOP SINK	1/2"	1/2"	36"	2"						
31	1	WAREWASHER, CONVEYOR		1/2"	12"			2"				
32.1	1	PRE-RINSE FAUCET	1/2"	1/2"	16							
34	1	SCRAP COLLECTOR	3/4"	3/4"	18"	2"	6"					

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	HOT / COLD WATER ROUGH-IN CONNECTION
	DIRECT DRAIN ROUGH-IN CONNECTION
	INDIRECT WASTE
	GAS ROUGH-IN CONNECTION
	FLOOR SINK

KITCHEN PLUMBING NOTES:

1. All connections shown relate to foodservice equipment only. See engineering plan for additional information.
2. Pluming rough-in plan is intended to show locations, heights, connection sizes, positions, and load requirements. Dimensions are from finished surfaces.
3. Final connections to all equipment to be by PLUMBING CONTRACTOR including required materials, such as stops, valves, filters, traps, check valves, piping, tubing, etc.
4. PLUMING CONTRACTOR to furnish and install the following.

   A - All water, waste, gas, and steam service to point of rough-in as shown on plan. Rough-in outlets to stub 4" out of walls at height indicated from finished floor to center line of outlet. Floor rough-ins to stub up 2" above finished floor or curb. All floor openings are to be sealed watertight.

   B - Pressure reducing and or regulating valves for dishwashers, booster heaters, and any other equipment as required by manufacturer.

   C - All floor sinks complete with top grates as indicated, and as per local codes.

   D - All waste lines, direct or indirect except as noted. Minimum diameter of line shall be as indicated on plan, regardless of connection size, and shall be pitched downward. Maintain drains as high as possible above floor. All waste lines shall have adequate clean-out provisions.

   E - Indirect waste lines for walk-in refrigerators / freezers, pitched 4" / 12" minumum and with a "P" trap at end over floor sink.

   F - Heater tape, with 36 watts per linear food of drain line, and insulation of all drain lines inside freezer compartments.

   G - All required grease traps as per local code.

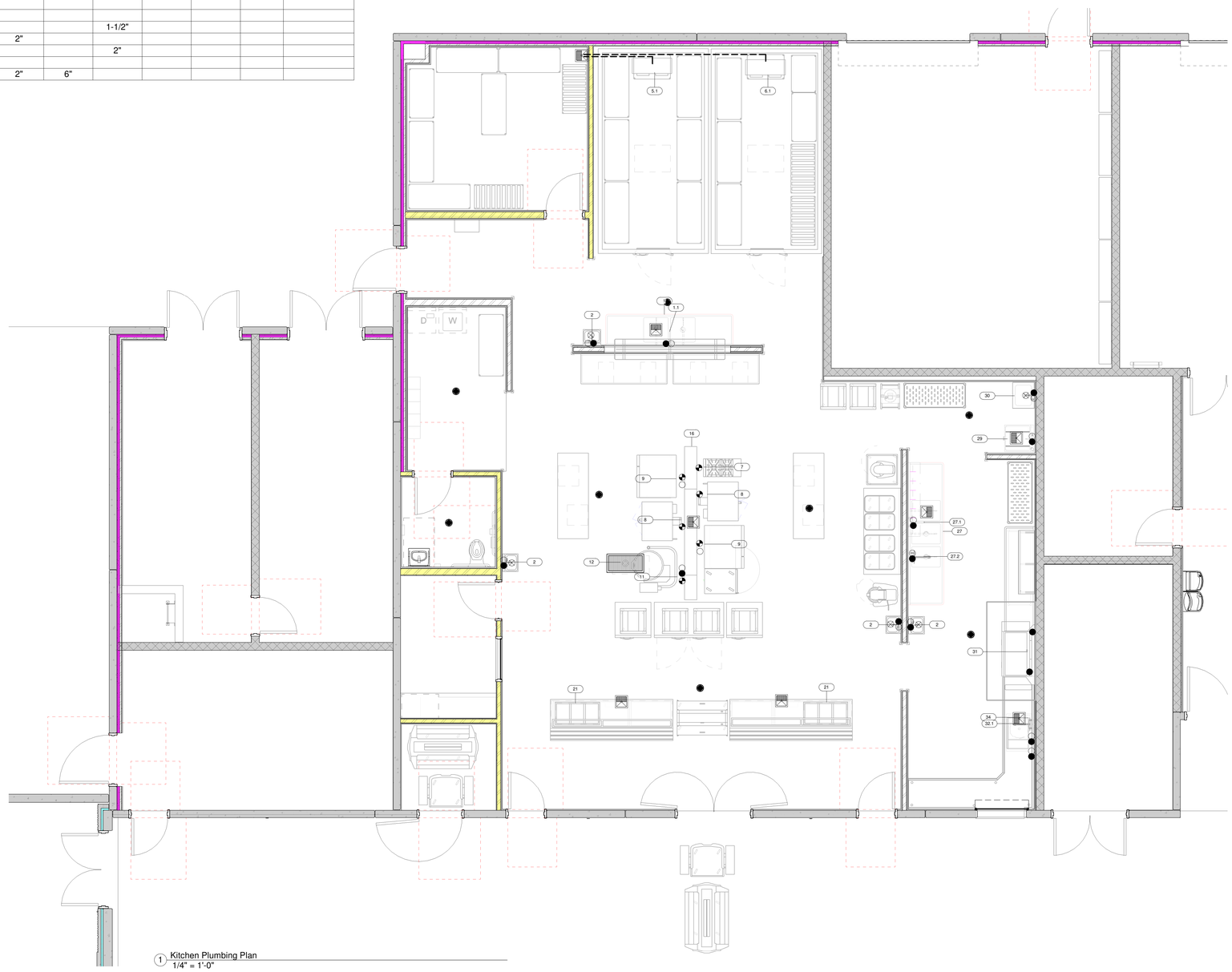
   H - Install fire control gas shut-off valve (s) as supplied by fire protection system contractor.

   I - Vacuum breakers required, except for those provided with disposers by K.E.C.

   J - Insulation on all steam, hot water and condensate lines in the kitchen area. All such lines are to be color coded according to local codes.

   K - Clean out valves for steam and condensate lines.

5. PLUMBING CONTRACTOR to interconnect dishmachine with booster heater and water-type ventilators wit control panels as per manufactuer's instructions; when applicable and noted.
6. All vent pipes are to be concealed in walls or column chases. Use loop vents for island fixtures.
7. All exposed piping and fittings in kitchen area to be chrome plated or stainless steel.



1 Kitchen Plumbing Plan
1/4" = 1'-0"

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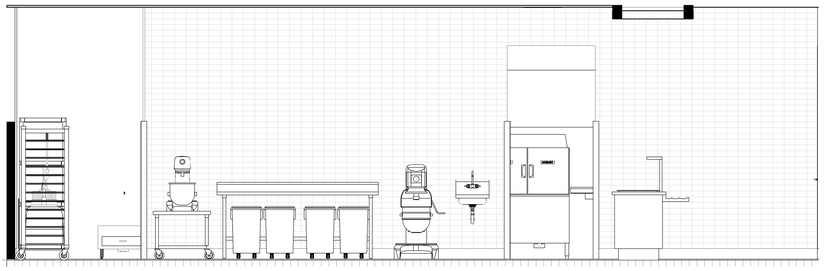
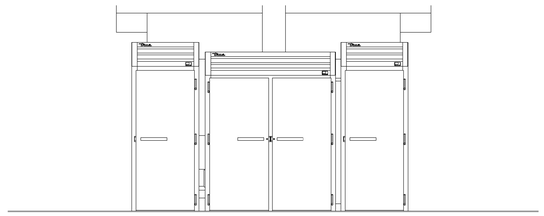
KITCHEN PLUMBING ROUGH-INS

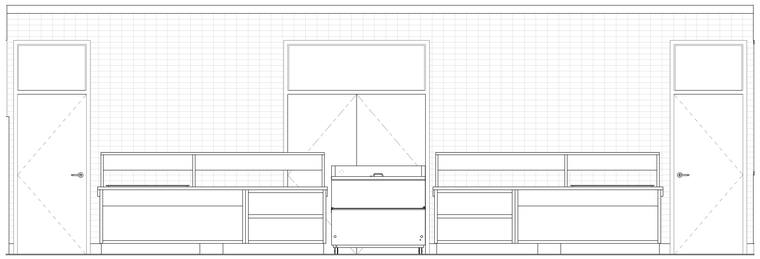
K103



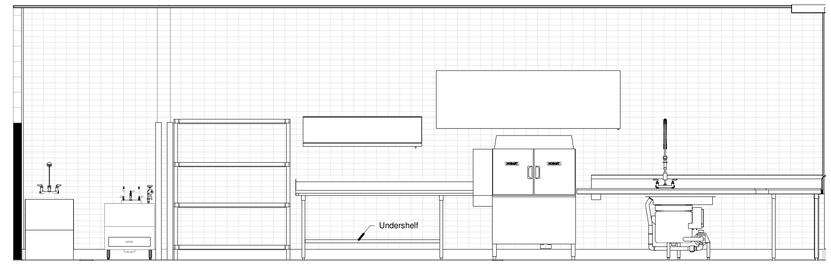
1 Elevation 1 - a
3/8" = 1'-0"



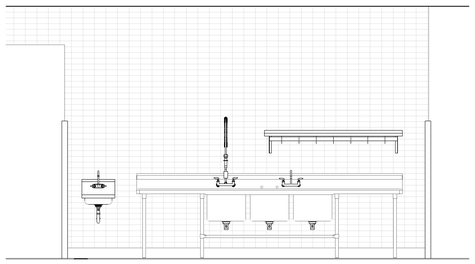
2 Elevation 1 - c
3/8" = 1'-0"



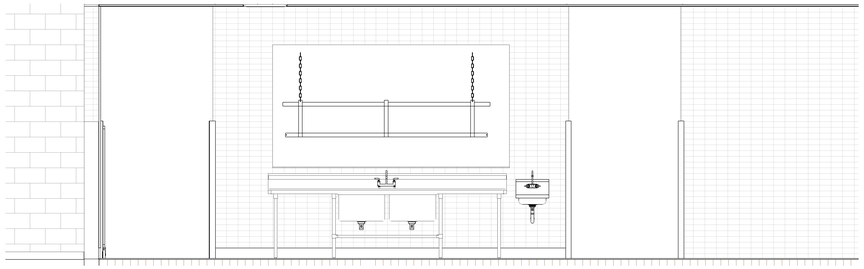
3 Elevation 3 - a
3/8" = 1'-0"



4 Elevation at Dishwasher
3/8" = 1'-0"



5 Elevation at Pot Sink
3/8" = 1'-0"



6 Elevation at Prep Sink
3/8" = 1'-0"

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NWL	0119.002

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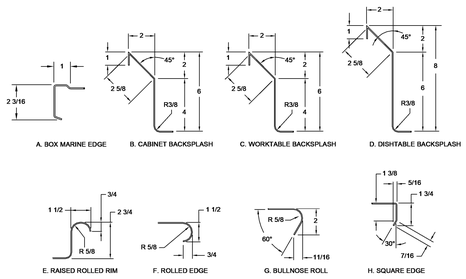
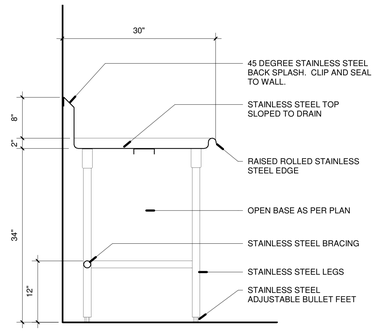
EQUIPMENT ELEVATIONS

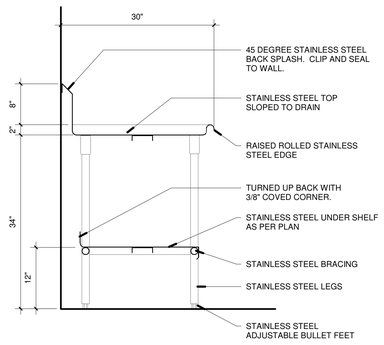
K104



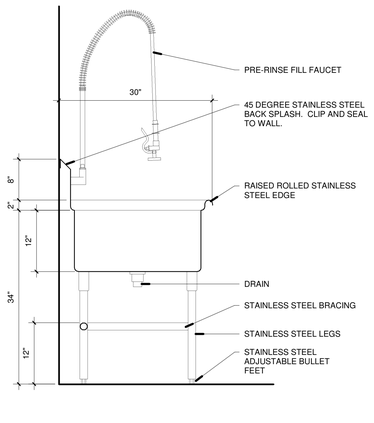
2 Stainless Edge Detail
1/4" = 1'-0"



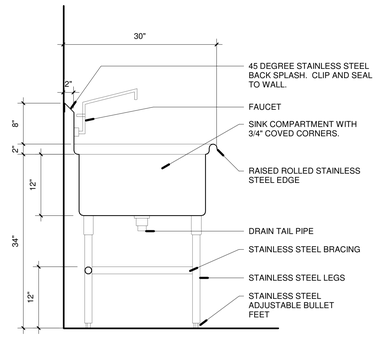
3 Dish table Open Base Section Detail
1" = 1'-0"



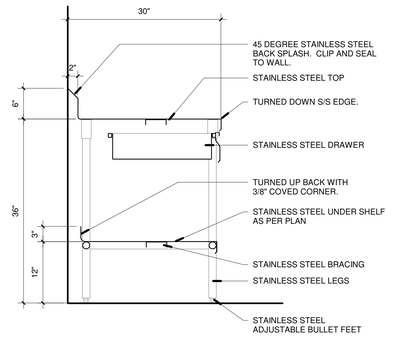
5 Dish table Shelf Base Section Detail
1" = 1'-0"



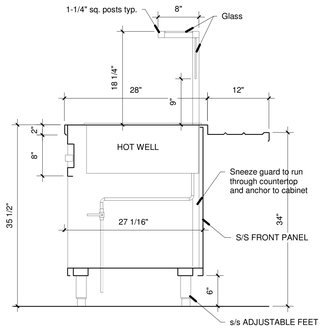
6 Pot sink Section Detail
1" = 1'-0"



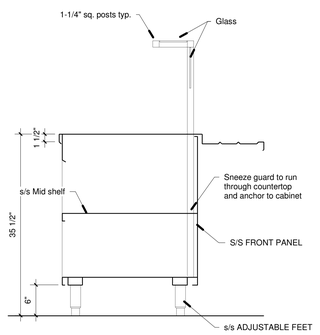
7 Prep Sink Section Detail
1" = 1'-0"



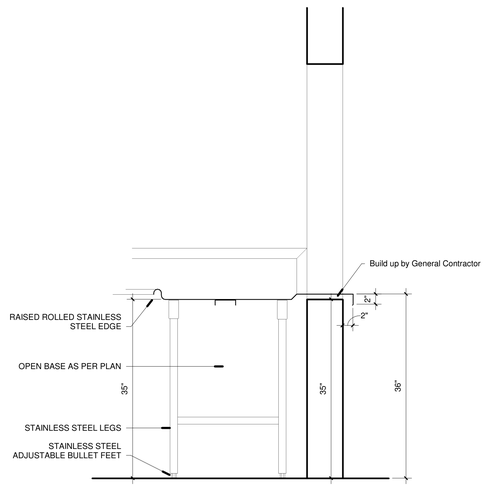
8 Work table Wall Section Detail
1" = 1'-0"



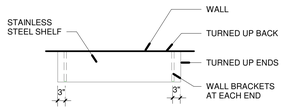
9 Serving Counter Hot Well Section Detail
1" = 1'-0"



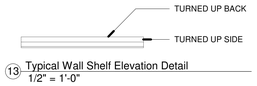
10 Serving Counter Open Section Detail
1" = 1'-0"



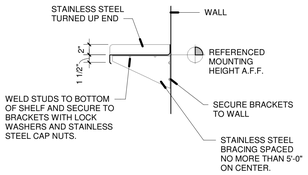
11 Dish table Section at Tray Drop
1" = 1'-0"



12 Typical Wall Shelf Plan Detail
1/2" = 1'-0"



13 Typical Wall Shelf Elevation Detail
1/2" = 1'-0"



14 Typical Wall Shelf Section Detail
1" = 1'-0"

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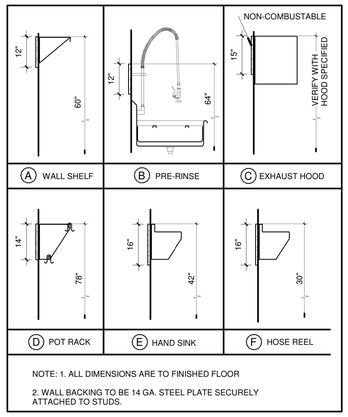
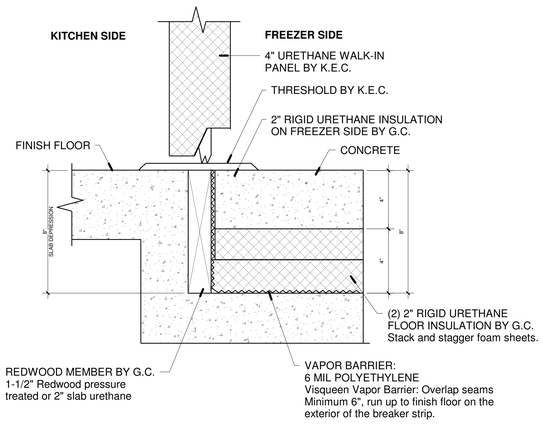
SECTIONS AND DETAILS

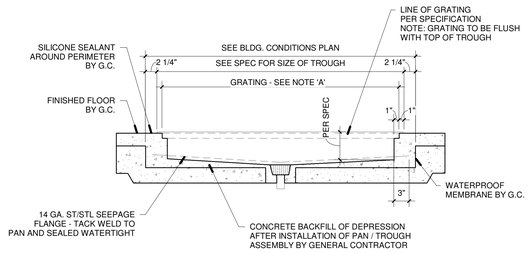
K105



2 Wall Backing Detail
1/2" = 1'-0"



3 Recessed floor at walk-in freezer
3" = 1'-0"



SECTION

NOTES:

A	GRATING TO BE PROVIDED AS PER ITEMIZED SPECIFICATION.
B	INSULATE FLOOR PAN TO PREVENT CONDENSATION.
C	PAN SUPPLIED BY G.C.
D	TROUGH AND GRATE SUPPLIED BY K.E.C.

4 Floor Trough and Grating Detail
1" = 1'-0"

BUILDING CONDITIONS NOTES:

1. SEE ELECTRICAL ROUGH-IN PLAN FOR REQUIREMENTS FOR OUTLETS, JUNCTION BOXES, LOADS, VOLTAGES, AND PHASES.

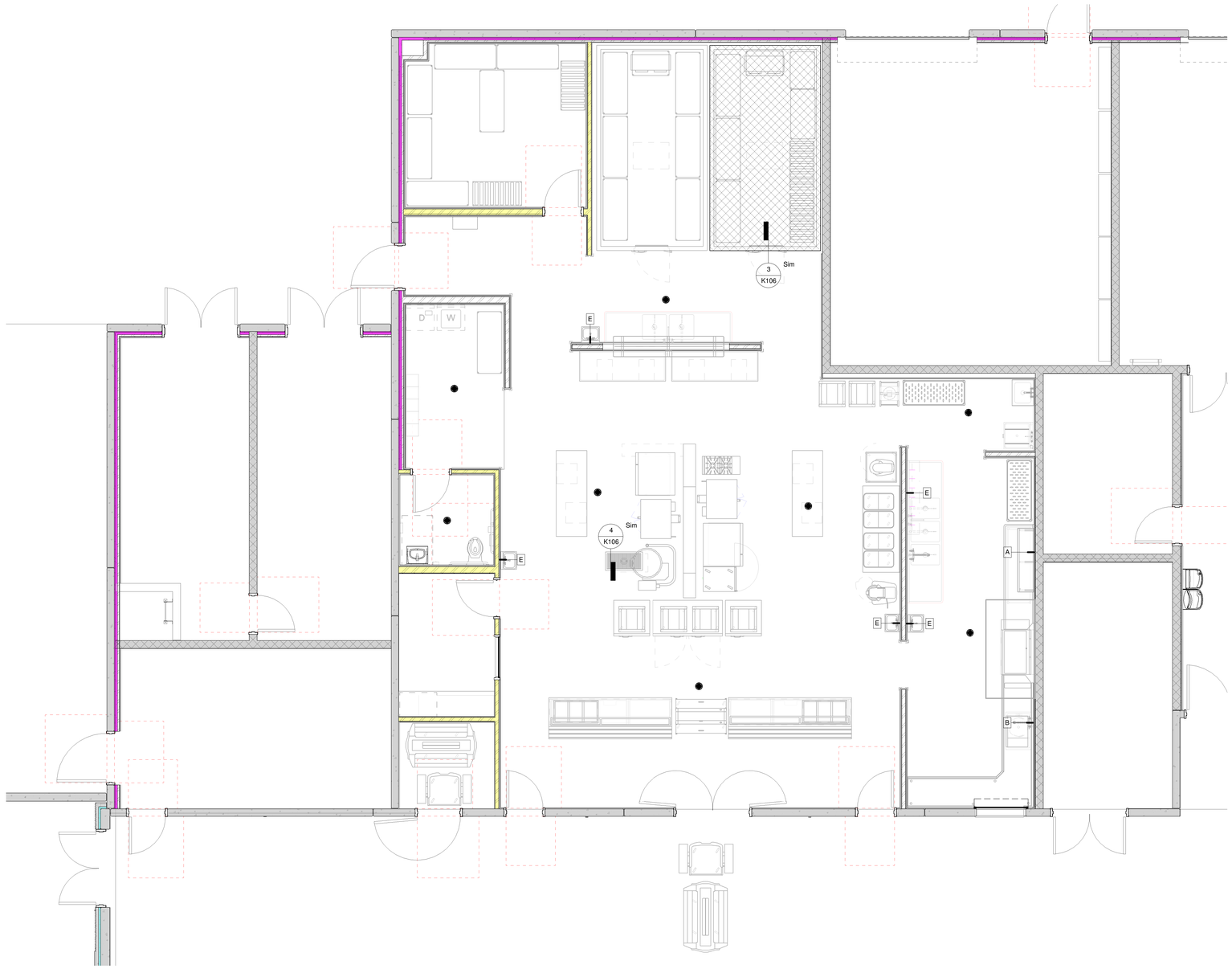
2. SEE PLUMBING ROUGH-IN PLAN FOR REQUIREMENTS FOR DRAINS, WATER, GAS AND REFRIGERATION LINIES.

3. SEE MECHANICAL AND ELECTRICAL PLANS FOR REQUIREMENTS OF VENTILATION SYSTEMS.

4. VERIFY BLOCKING REQUIREMENTS WITH SUPPLIERS FOR THOSE ITEMS NOT PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.

5. ALL DIMENSIONS ARE TO BE FIELD VERIFIED FOR COMPLIANCE PRIOR TO FABRICATION / INSTALLATION. ALL DIMENSIONS SHOWN ARE CRITICAL AND ARE FROM FINISHED WALL.

6. SEE PLUMBING, ELECTRICAL AND MECHANICAL PLANS FOR FURTHER INFORMATION AND REQUIREMENTS.



1 Kitchen Building Conditions Plan
1/4" = 1'-0"

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BUILDING CONDITIONS PLAN

K106



Grease-Stop Solo Filter



Filter Detail

CAPTRATE ©

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)

SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA=144 X DUCT LENGTH= CFM / FPM(*) = TOTAL DUCT AREA / DUCT DEPTH

* CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1600-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

- NFPA #96
- ETL SANITATION
- E.T.L. LISTED 3054804-001
- ETL IS LISTED TO UL/C STANDARDS
- NSF

NFPA

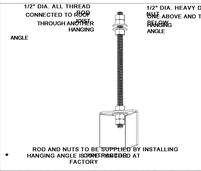
Intertek

BUILDING CODES



Grease Cup will be supported by 2 studs on the inside wall of the hood The grease will drain through a concealed grease trough and into this removable cup.

1/2 Pint Grease Cup Detail



HANGING ANGLE DETAIL

HANGING ANGLES WILL BE LOCATED FOLLOWING THE CAPTIVE-AIRE CANOPIES

HOOD STYLE		DIM FROM REAR	DIM FROM FRONT (24" High Hood)	DIM FROM FRONT (30" High Hood)
Wall	Exhaust Only	4.166"	2.25"	2.25"
	With MUA		2.25"	2.25"
Back Shelf	Exhaust Only	4.166"	2.25"	2.25"
	With MUA		2.25"	2.25"
Condensate		2.25"	2.25"	

HANGING ANGLE LOCATIONS

FOR QUESTIONS, CALL THE
Utah Office
REGION 87
PHONE: (801) 878 - 3677
EMAIL: reg87@captiveaire.com

PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION - JOB#7309969

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1	15	6030 ND-2-PSP-F	CAPTIVEAIRE	12' 6"	600 DEG	I	HEAVY	225	2812			4"	12"	1406	1790	-0.692"	2250	430 SS 100%	ALONE	FRONT
												4"	12"	1406	1790	-0.692"				
2	14	6030 ND-2-PSP-F	CAPTIVEAIRE	13' 6"	600 DEG	I	HEAVY	225	3038			4"	12"	1519	1934	-0.807"	2430	430 SS 100%	ALONE	BACK
												4"	12"	1519	1934	-0.807"				
3	13	4830 VHB-G-REM1	CAPTIVEAIRE	8' 0"	700 DEG	II	N/A	150	1200			4"	14"	1200	1123	-0.115"	0	430 SS 100%	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	15	CAPTRATE SOLO FILTER	9	20"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO	LEFT	12"x60"x30"	TANK FS	4.0/4.0/4.0	SC-011110MA	1 LIGHT 1 FAN	YES	1241 LBS
2	14	CAPTRATE SOLO FILTER	10	20"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO							YES	789 LBS
3	13						0									NO	276 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	15	BACK STANDOFF (FLAT) 12" WIDE 162" LONG.
		BALANCE DAMPERS.
		STRUCTURAL FRONT PANEL.
2	14	BALANCE DAMPERS.
		STRUCTURAL FRONT PANEL.

PERFORATED SUPPLY PLENUM(S)

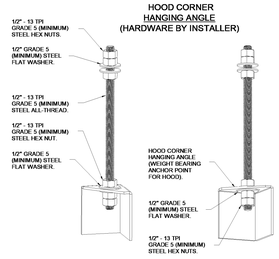
HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	15	Front	162"	14"	6"	MUA	12"	28"		750	0.182"
						MUA	12"	28"		750	0.182"
						MUA	12"	28"		750	0.182"
2	14	Front	162"	14"	6"	MUA	12"	28"		810	0.211"
						MUA	12"	28"		810	0.211"
						MUA	12"	28"		810	0.211"

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	0"
	RIGHT	18"
2	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	18"
	RIGHT	18"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.
- HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.

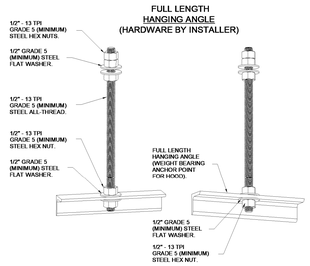
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

FULL LENGTH HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

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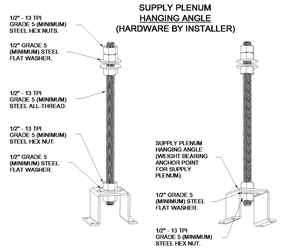
SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CAPTIVE-AIRE
Utah Office
2698 S. Redwood Rd., Suite S, West Valley, UT. 84119 PHONE: (801) 878 - 3677 FAX: 9192275953 EMAIL: reg87@captiveaire.com

Hyde Park ES
HYDE PARK, UT, 84318

1/30/2025

7309969

EH

3/4" = 1'-0"

MASTER DRAWING

1

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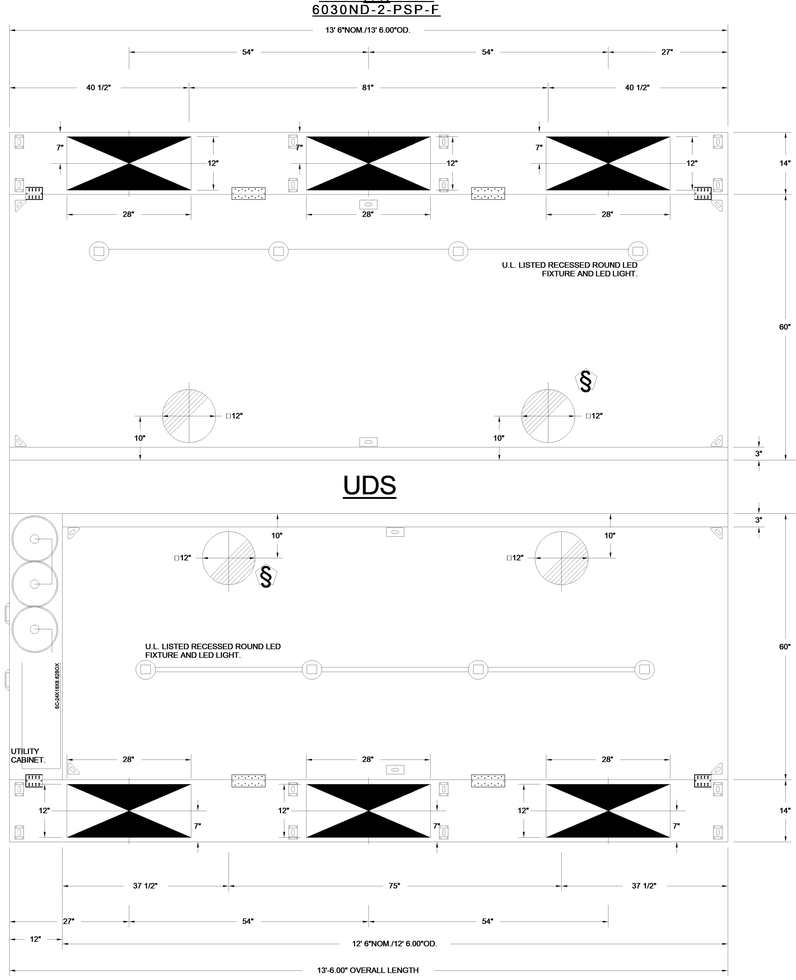
K201

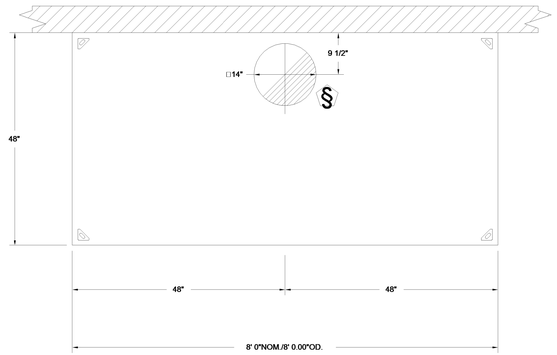
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

PLAN VIEW - HOOD #2
13' 6.00"LONG
6030ND-2-PSP-F



PLAN VIEW - HOOD #1
12' 6.00"LONG
6030ND-2-PSP-F

NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.



PLAN VIEW - HOOD #3
8' 0.00"LONG
4830VHB-G-REM1

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EH

3/4" = 1'-0"

MASTER DRAWING

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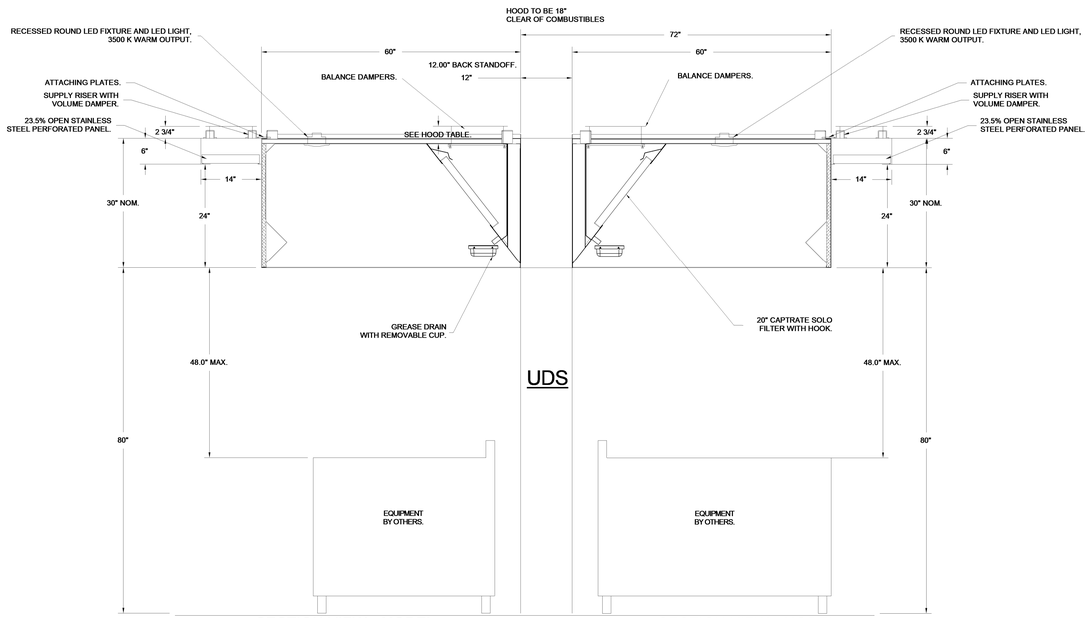
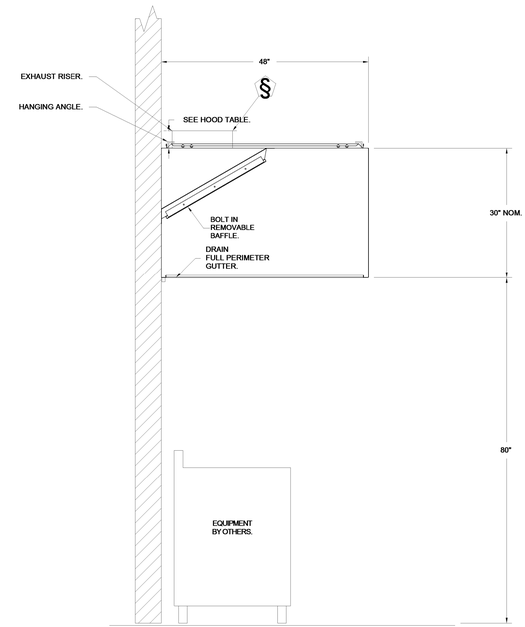
HOOD DETAILS

K202



SECTION VIEW - MODEL 60[illegible]
(14)

SECTION VIEW - MODEL 60[illegible]
(15)



SECTION VIEW - MODEL 483[illegible]
(13)

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3/4" = 1'-0"

MASTER DRAWING

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HOOD DETAILS

K203

IMPORTANT SPECIAL UDS PARTS/NOTES

☆	TWO (2) R295-CLX WATER FILTERS WITH WINDOWS.

UDS CONSTRUCTION TO BE 18 GA., TYPE 304 STAINLESS STEEL

UTILITY DISTRIBUTION SYSTEM MODEL UDI IS LISTED UNDER ETL FILE NUMBERS 104826524CRT-001 & 10175491COL-001 CONFORMS TO UL STD 891 & 508A CERTIFIED TO CAN/CSA C22.2 No. 31-M89

ALL GAS ASSOCIATED REVIEW AND TESTING WERE PERFORMED THROUGH INTERTEK UNDER THESE NEW TESTS/CERTIFICATIONS.

PRIOR TO SCHEDULING UDS FOR PRODUCTION PLEASE PROVIDE APPROVED SUBMITTAL CUTSHEETS ON FINAL KITCHEN EQUIPMENT ASSOCIATED WITH THE UDS (NEW & USED) SO THAT CONNECTION SIZES, TYPES AND LOCATIONS CAN BE VERIFIED

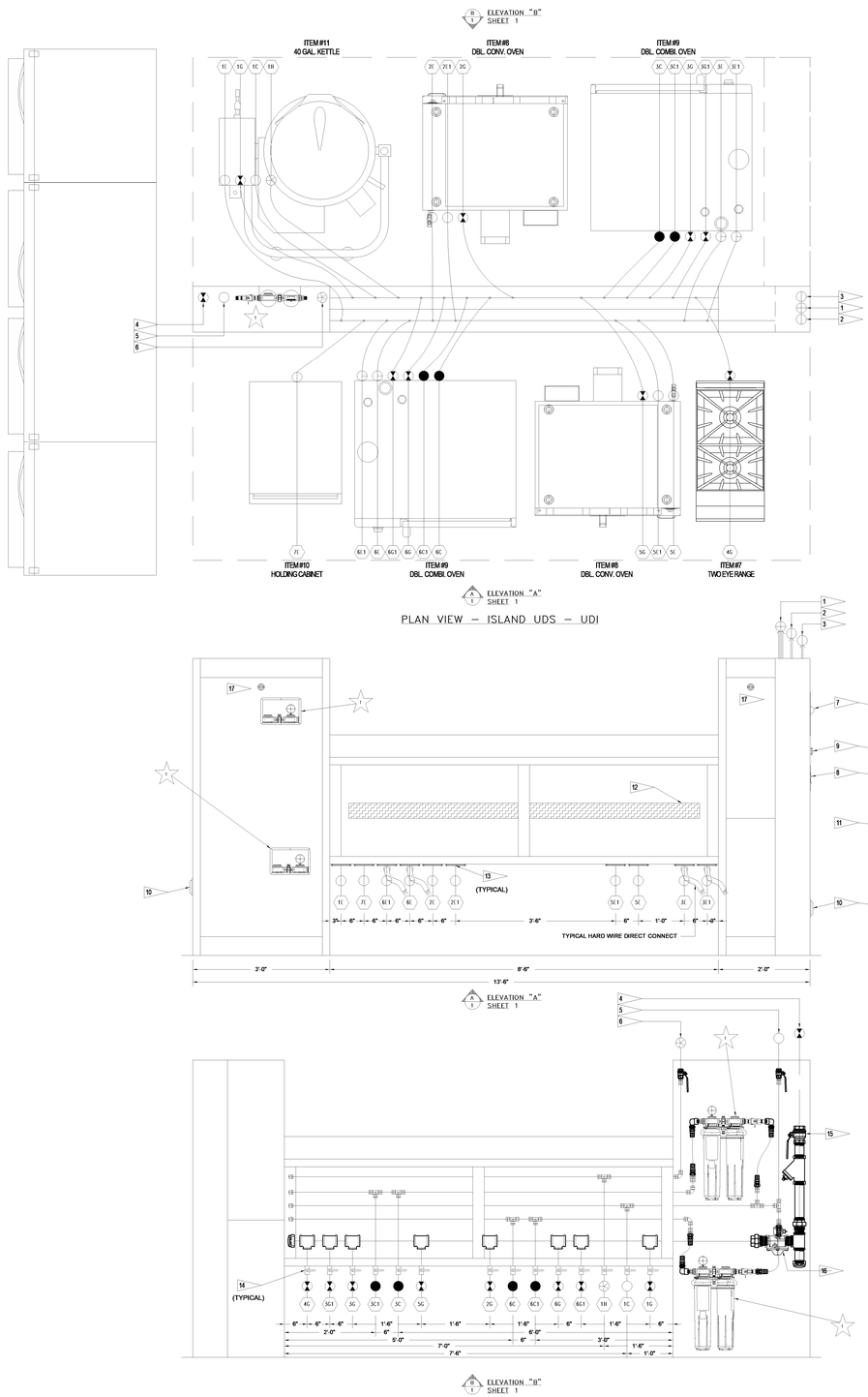
ANY CHANGES TO SUBMITTAL DRAWING MAY AFFECT PRICE AND PRODUCTION TIME PLEASE FORWARD CHANGES ASAP

----NOTE----
CUSTOMER TO VERIFY FLOOR DRAIN LOCATIONS PRIOR TO ORDERING UDS. C.A.S. IS NOT RESPONSIBLE FOR DRAINS LOCATED UNDERNEATH RISERS/PEDESTALS LOCATIONS.

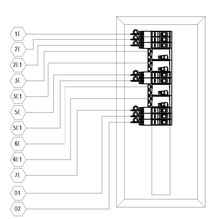
----NOTE----
NEC REQUIRES 36" OF FIELD CLEARANCE IN FRONT & 30" ACCROSS OF CIRCUIT BREAKERS FOR ACCESS.

SYMBOL SCHEDULE

- COLD WATER
- HOT WATER
- FILTERED WATER
- NATURAL GAS
- PROPANE
- 120 VAC 1 PHASE
- 208 VAC 1 PHASE
- 208 VAC 3 PHASE
- 480 VAC 3 PHASE
- STEAM SUPPLY
- STEAM CONDENSATE RETURN



24" LOAD CENTER



STANDARD FLAG NOTES

1. ELECTRICAL SERVICE FROM ABOVE, SEE SCHEDULE FOR DETAILS. PROVIDED BY ELECTICAL CONTRACTOR.
2. 120V/1PH/15A DEDICATED ELECTRICAL CIRCUIT INTO UDS TERMINALS "H1, N1" FOR FUEL/SHUNT CONTROL. (PROVIDED BY ELECTRICAL CONTRACTOR) SEE SCHEMATIC BELOW.
3. 3-WIRE ELECTRICAL CIRCUIT FROM HOOD CONTROL PACKAGE TERMINALS "GAS, ST & KTS" TO UDS LIKE TERMINALS "GAS, ST & KTS" FOR UDS SHUT DOWN IN A FIRE CONDITION. (PROVIDED BY ELECTRICAL CONTRACTOR). SEE SCHEMATIC BELOW.
4. GAS SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE AND STYLE (PROVIDED BY PLUMBING CONTRACTOR)
5. COLD WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING CONTRACTOR)
6. HOT WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING CONTRACTOR)
7. SERVICE MAIN BREAKER W/SHUNT TRIP AND RESET HANDLE, SEE SCHEDULE FOR DETAILS.
8. STATUS INDICATOR LIGHTS.
9. EMERGENCY KILL SWITCH.
10. DCO RECEPTACLE W/ BREAKER & WEATHERPROOF COVER.
11. ELECTRICAL LOAD CENTER WITH INDIVIDUAL CIRCUIT BREAKERS.
12. ELECTRICAL WIRING TO APPLIANCES.
13. ELECTRICAL CONNECTION W/WEATHERPROOF COVER AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
14. PLUMBING CONNECTION AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
15. MANUAL SHUT OFF VALVE.
16. 120V ELECTRICAL GAS VALVE.
17. REMOVABLE ACCESS DOORS.

CAPTIVE-AIRE

JOB	Hyde Park ES		
LOCATION	-		
DATE	2-6-25	JOB #	-
DRAWN BY	BET	CHECKED BY	BET
REV.	1-2/14/25-BET	SCALE	3/4"

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UDS WALL

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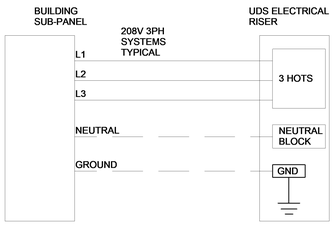
ANY CHANGES TO SUBMITTAL DRAWING MAY AFFECT PRICE AND PRODUCTION TIME PLEASE FORWARD CHANGES ASAP

----NOTE----
CUSTOMER TO VERIFY FLOOR DRAIN LOCATIONS PRIOR TO ORDERING UDS. C.A.S. IS NOT RESPONSIBLE FOR DRAINS LOCATED UNDERNEATH RISERS/PEDESTALS LOCATIONS.

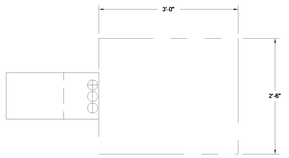
----NOTE----
NEC REQUIRES 36" OF FIELD CLEARANCE IN FRONT & 30" ACCROSS OF CIRCUIT BREAKERS FOR ACCESS.

SYMBOL SCHEDULE

COLD WATER
HOT WATER
FILTERED WATER
NATURAL GAS
PROPANE
120 VAC 1 PHASE
208 VAC 1 PHASE
208 VAC 3 PHASE
480 VAC 3 PHASE
STEAM SUPPLY
STEAM CONDENSATE RETURN



NEC BREAKER CLEARANCE



UTILITY DISTRIBUTION SYSTEM EQUIPMENT SCHEDULE

EQUIPMENT					ELECTRICAL					CIRCUIT BREAKER		RECEPTACLE	PLUG/CONDUIT	GAS		WATER		STEAM			CONNECTION		NOTES
CONN.#	ITEM	DESCRIPTION	MANUFACTURER	MODEL #	KW.	AMPS	HP	VOLT	PH	AMPS	POLES	PART #	PART #	SIZE	MBH	HOT	COLD	SUPPLY	COND. RETURN	LBS/HR	TYPE	LENGTH	
1E	11	40 GAL. KETTLE	VULCAN	K40GLT	0.2	2.0	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
1G	11	40 GAL. KETTLE	VULCAN	K40GLT	-	-	-	-	-	-	-	-	-	3/4"	100	-	-	-	-	-	QUICK DISCONNECT	5'	-
1H	11	40 GAL. KETTLE	VULCAN	K40GLT	-	-	-	-	-	-	-	-	-	-	-	1/2"	-	-	-	-	QUICK DISCONNECT	5'	-
1C	11	40 GAL. KETTLE	VULCAN	K40GLT	-	-	-	-	-	-	-	-	-	-	-	-	1/2"	-	-	-	QUICK DISCONNECT	5'	-
2E	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	1.1	9.0	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
2E1	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	1.1	9.0	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
2G	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	-	-	-	-	-	-	-	-	-	3/4"	140	-	-	-	-	-	QUICK DISCONNECT	5'	-
3E	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	0.9	4.5	-	208	1	15	2	-	1/2"	-	-	-	-	-	-	-	DIRECT	8'	CONDUIT & WIRE
3E1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	0.9	4.5	-	208	1	15	2	-	1/2"	-	-	-	-	-	-	-	DIRECT	8'	CONDUIT & WIRE
3G	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	3/4"	106.5	-	-	-	-	-	QUICK DISCONNECT	5'	-
3G1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	3/4"	106.5	-	-	-	-	-	QUICK DISCONNECT	5'	-
3C	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	-	QUICK DISCONNECT	5'	FILTERED
3C1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	-	QUICK DISCONNECT	5'	FILTERED
4G	7	TWO EYE RANGE	VULCAN	V2B18B	-	-	-	-	-	-	-	-	-	1-1/4"	70	-	-	-	-	-	QUICK DISCONNECT	5'	-
5E	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	1.1	9.0	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
5E1	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	1.1	9.0	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
5G	8	DBL. CONV. OVEN	SOUTHBEND	PCG1405/S	-	-	-	-	-	-	-	-	-	3/4"	140	-	-	-	-	-	QUICK DISCONNECT	5'	-
6E	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	0.9	4.5	-	208	1	15	2	-	1/2"	-	-	-	-	-	-	-	DIRECT	8'	CONDUIT & WIRE
6E1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	0.9	4.5	-	208	1	15	2	-	1/2"	-	-	-	-	-	-	-	DIRECT	8'	CONDUIT & WIRE
6G	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	3/4"	106.5	-	-	-	-	-	QUICK DISCONNECT	5'	-
6G1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	3/4"	106.5	-	-	-	-	-	QUICK DISCONNECT	5'	-
6C	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	-	QUICK DISCONNECT	5'	FILTERED
6C1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	-	-	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	-	QUICK DISCONNECT	5'	FILTERED
7E	10	HOLDING CABINET	CRESCOR	121-PH-UA-11D	2.0	16.7	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	SUPPLIED W/ EQUIP.	-	GFI BREAKER
D1	-	DUPLEX OUTLET	-	-	-	-	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	FACTORY	-	GFI BREAKER
D2	-	DUPLEX OUTLET	-	-	-	-	-	120	1	20	1	DR20	-	-	-	-	-	-	-	-	FACTORY	-	GFI BREAKER
TOTAL CONNECTED LOAD:			10.3	KW.	28.6	AMP	0.0	KW.	0.0	AMP	876		MBH	H.W.	STEAM SUPPLY								
FUTURE AVAILABLE LOAD CAPACITY:			9.9	KW.	27.4	AMP	0.0	KW.	0.0	AMP	824		MBH	3/4"	-								
SYSTEM CAPACITY:			20.2	KW.	56.0	AMP	0.0	KW.	0.0	AMP	1700		MBH	C.W.	COND. RETURN								
SERVICE SIZE:			208 V/ 3 PH/ 70 AMP					V/ PH/ AMP			2" IPS SINGLE			3/4"	-								

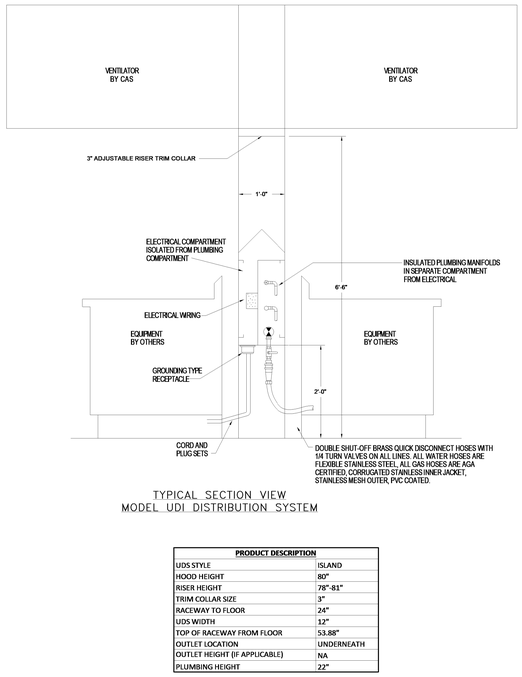
LEGEND
MBH - BTU PER HOUR (1000S)
SS - STRAIGHT BLADE PLUGS
TL - TWIST LOCK PLUGS
PS - PIN & SLEEVE PLUGS
DCO - DUAL CONVENIENCE OUTLET
DIRECT - CONDUIT & WIRE

UTILITY DISTRIBUTION SYSTEM FILTER INFORMATION

EQUIPMENT						FILTER				
CONN. #	ITEM	DESCRIPTION	MANUFACTURER	MODEL #	EQUIPMENT FLOW RATE (GPM)	MANUFACTURER	MODEL #	FILTER FLOWRATE (GPM)	CONNECTION TYPE INLET	CONNECTION TYPE OUTLET
3C	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	3.17	RATIONAL	R295-CLX	10	3/4"	3/4"
3C1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	3.17					
6C	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	3.17	RATIONAL	R295-CLX	10	3/4"	3/4"
6C1	9	DBL. COMBI. OVEN	RATIONAL	ICP 6-FULL NG / ICP 6-FULL NG	3.17					

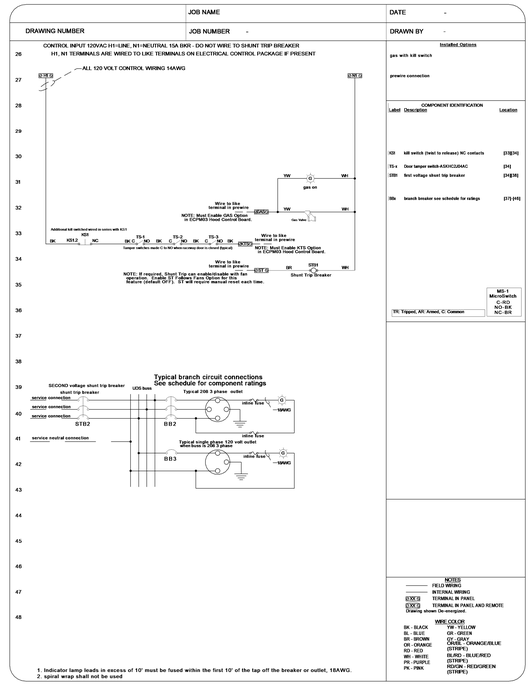
STANDARD FLAG NOTES

1. ELECTRICAL SERVICE FROM ABOVE, SEE SCHEDULE FOR DETAILS. PROVIDED BY ELECTICAL CONTRACTOR.
2. 120V/1PH/15A DEDICATED ELECTRICAL CIRCUIT INTO UDS TERMINALS "H1, N1" FOR FUEL/SHUNT CONTROL. (PROVIDED BY ELECTRICAL CONTRACTOR) SEE SCHEMATIC BELOW.
3. 3-WIRE ELECTRICAL CIRCUIT FROM HOOD CONTROL PACKAGE TERMINALS "GAS, ST & KTS" TO UDS LIKE TERMINALS "GAS, ST & KTS" FOR UDS SHUT DOWN IN A FIRE CONDITION. (PROVIDED BY ELECTRICAL CONTRACTOR). SEE SCHEMATIC BELOW.
4. GAS SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE AND STYLE (PROVIDED BY PLUMBING CONTRACTOR)
5. COLD WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING CONTRACTOR)
6. HOT WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE (PROVIDED BY PLUMBING CONTRACTOR)
7. SERVICE MAIN BREAKER W/SHUNT TRIP AND RESET HANDLE, SEE SCHEDULE FOR DETAILS.
8. STATUS INDICATOR LIGHTS.
9. EMERGENCY KILL SWITCH.
10. DCO RECEPTACLE W/ BREAKER & WEATHERPROOF COVER.
11. ELECTRICAL LOAD CENTER WITH INDIVIDUAL CIRCUIT BREAKERS.
12. ELECTRICAL WIRING TO APPLIANCES.
13. ELECTRICAL CONNECTION W/WEATHERPROOF COVER AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
14. PLUMBING CONNECTION AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
15. MANUAL SHUT OFF VALVE.
16. 120V ELECTRICAL GAS VALVE.
17. REMOVABLE ACCESS DOORS.



TYPICAL SECTION VIEW
MODEL UDI DISTRIBUTION SYSTEM

PRODUCT DESCRIPTION	
UDS STYLE	ISLAND
HOOD HEIGHT	80"
RISER HEIGHT	78"-81"
TRIM COLLAR SIZE	3"
RACEWAY TO FLOOR	24"
UDS WIDTH	12"
TOP OF RACEWAY FROM FLOOR	53.88"
OUTLET LOCATION	UNDERNEATH
OUTLET HEIGHT (IF APPLICABLE)	NA
PLUMBING HEIGHT	22"



PAGE 2 OF 2

CAPTIVE-AIRE

JOB	Hyde Park ES		
LOCATION	-		
DATE	2-6-25	JOB #	-
DRAWN BY	BET	CHECKED BY	BET
REV.	1-2/14/25-BET	SCALE	3/4"

naylor wentworth lund
architects

WSR & Associates
2846 S 450 W, BOUNTIFUL, UT 84010

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 02/25/2025 0119.002
DRAWING ISSUE NWL

△ DATE REVISION

UDS WALL CONT

K205

GENERAL STRUCTURAL NOTES

GENERAL

1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The structural drawings are not all-inclusive and do not contain all dimensions, elevations, openings, mechanical shafts, and penetrations needed to build the structure. The contractor shall coordinate these items with the Architectural, Mechanical and Electrical drawings.
4. The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
5. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
6. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
7. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
8. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
9. The contractor shall not cut or core any holes in masonry or concrete walls without prior review by the architect/engineer.
10. Site observations by BHB Consulting Engineers' field representative shall not be construed as approval of construction procedures nor special inspection.
11. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical, and electrical drawings.
12. Contractor shall review shop drawings for compliance with contract documents, and stamp shop drawings with review stamp prior to submission to architect for review. Review of shop drawings by BHB Consulting Engineers is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents. Fabrication shall not begin until shop drawings review process is complete. Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
13. Only an authorized representative of BHB Consulting Engineers may make changes to these contract drawings. BHB Consulting Engineers shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers.

BASIS OF DESIGN

1. Governing Code — International Building Code 2021
   a. Risk Category — III
2. Snow Loads
   a. Ground Snow Load — P_g = 46 psf
   b. Snow Importance Factor — I_s = 1.1
   c. Snow Exposure Coefficient — C_e = 1.0
   d. Thermal Exposure Coefficient — C_t = 1.0
   e. Roof Snow Load — $P_f = 0.7 * C_e * C_t * I_s * P_g$ = 35 psf plus Snow Drift
3. Rain Loads
   a. Rain Intensity — i = 1.5 in/hr
4. Roof Live Load — 20 psf
5. Floor Live Loads
   a. Classroom — 60 psf (40 psf + 20 psf Partition)
   b. Exit Facilities & Corridors — 100 psf
   c. Mechanical Rooms — 150 psf
6. Seismic Loads
   a. Seismic Importance Factor, I_e — 1.0
   b. Seismic Design Category — D
   c. Site Specific Ground Motion Hazard Analysis — Not Required per exceptions in section 11.4.8 of ASCE 7
   d. Mapped Spectral Acceleration — S_s = 1.018g; S_1 = 0.339g
   e. Soil Site Class — D-Default
   f. Soil Site Coefficients — F_a = 1.0; F_v = 1.5
   g. 5% Damped Design Spectral Response Acceleration — $S_{DS} = 2/3 * F_a * S_S$ = 0.742g; $S_{D1} = 2/3 * F_v * S_1$ = 0.443g
   h. Seismic-Force-Resisting System — Intermediate Precast Shear Walls
   i. Response Modification Coefficient — R = 4.0
   j. System Over-strength Factor — Ω_0 = 2.5
   k. Deflection Amplification Factor — C_d = 4.0
   l. Redundancy Factors — ρ_x = 1.0; ρ_y = 1.0
   m. Fundamental Building Period — T = 0.269 seconds
   n. Seismic Response Coefficient — $Cs = S_{DS} * I_e / R$; $Cs = S_{D1} * I_e / (R*T)$
   o. W — Dead Loads of Structure
   p. Base Shear — $Vx = C_s * W = 0.232 * W$; $Vy = C_s * W = 0.232 * W$
   q. Analysis Procedure — Equivalent Lateral Force (Static)
7. Wind Loads
   a. Basic Wind Velocity (3 Second Gust) — 110 mph
   b. Exposure Type — B
   c. Internal Pressure Coefficient, GCpi — +/-0.18
   d. Topographic Factor, Kzt — 1.0
   e. Ground Elevation Factor, Ke — 0.85
   f. Components and Cladding Wind Force Table (psf, Strength Design)

Location		Tributary Area (square feet)				
		10	20	50	100	500
Walls	Zone 5: Within 12 feet of building corners	22.8	21.3	19.3	17.7	14.2
	Zone 4: All other areas	18.5	17.7	16.7	16.0	14.2
Roof	Zone 2: Within 12 feet of building edges	28.2	27.7	27.0	26.6	26.6
	Zone 3: Within 12 feet of building corners	44.0	39.2	32.9	28.2	28.2
	Zone 1: All other areas	20.2	20.2	20.2	20.2	20.2

FOUNDATION

1. Soils Report
   a. Author: — ACache Corp
   b. Dated: — Sept 30, 2024
   c. Project No: — 1240015
2. Soil Bearing Pressure — 3,000 psf, see Earthwork Section.
3. Frost Protection — 30" minimum to bottom of footing. Contractor shall field verify that the footing elevations and final grades indicated on the plans will provide the minimum frost protection. The contractor shall notify the architect/engineer if there are any locations where the minimum frost protection might not be achieved prior to placing concrete.
4. Lateral Soil Pressure Fluid Equivalent Density:
   a. Active — 36 pcf (retaining walls)
   b. At Rest — 56 pcf (rigid foundation walls)
   c. Passive — 390 pcf
5. Coefficient of Friction — 0.391

EARTHWORK

1. All footings shall bear on suitable natural material or compacted structural fill extending down to suitable natural material.
2. Consult the project specifications and soils report for further earthwork requirements.

STRUCTURAL FOAM

1. Submittals
   a. Submit EPS structural foam manufacturer's product literature and Technical Data, including:
      i. Physical properties in compliance with ASTM D6817 Type specified.
      ii. 10-year physical property warranty.
2. Structural Foam
   a. All EPS structural foam shall be in compliance with ASTM D6817, EPS19, 1.15 lb/cu.ft.
   b. All EPS structural foam blocks shall be treated by the manufacturer with a tested and proven termite treatment for below grade applications, 3-year minimum field exposure. The treatment shall be EPA registered, meet requirements of ICC ES AC239, and be recognized in an ICC ES report.
3. Structural Foam Fill
   a. Install structural foam block in layer with abutting edges and ends and with the long dimension of each block at right angles to blocks in each subsequent layer. Offset joints of blocks in successive layers.
   b. Install structural foam connectors at each layer of foam to resist horizontal displacement according to foam manufacturer's written instructions.
   c. GeoGripper® plates or approved equal shall be used to restrain EPS structural foam from moving laterally in layer over layer applications. The GeoGripper® plate (or approved equal) shall be manufactured by AFM Corporation. The plate shall be made of galvanized or stainless steel with two-sided multi-barbed design capable of piercing foam. Each plate shall be capable of a lateral holding strength of 60 lbs. ((2) plates per 4'x8' section of EPS minimum).

CONCRETE

1. Materials, unless noted otherwise:
   a. Normal weight aggregates — ASTM C 33
      i. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1.1/2") or 8% - 22% for smaller top size aggregates (1" or 3/4") retained on each sieve below the top size and above the No. 100. The range for the No. 30 and No.50 sieves shall be 8% - 15% retained in each. To avoid gap gradation the following shall occur:
         1. The percent retained on two adjacent sieves shall not fall below 5%.
         2. The percent retained on three adjacent sieves shall not fall below 8%.
         3. When the percent retained on two adjacent sieves is less than 8%, the total retained on either of these sieves and the adjacent outside sieve shall be at least 13%. See ACI 302 Section 5.4.3.3 for more information.
      ii. Maximum Aggregate Size shall not be larger than:
         1. 3.1/2" or 1/5 the narrowest dimension of the forms
         2. 1/3 the depth of the slab
         3. 3/4 the minimum clear spacing between bars
   b. Reinforcing Steel — ASTM 615 Grade 60 (Fy = 60 ksi) Use Grade 40 (Fy = 40 ksi) for field bent dowels with spacings indicated reduced by 1/3.
      i. All reinforcing bars of concrete shear walls shall be ASTM A706 Grade 60 (Fy = 60 ksi) or shall be ASTM A615 Grade 60 (Fy = 60ksi) with mill certifications that indicate the following properties:
         1. The actual yield strength does not exceed Fy by more than 18,000 psi
         2. The ratio of actual tensile strength (Fu) to the actual yield strength (Fy) is 1.25 or greater. Minimum elongation in 8" shall be at least:
            a. 14% for bar sizes #3 to #6
            b. 12% for bar sizes #7 to #11
            c. 10% for bar sizes #14 and #18
   c. Headed Reinforcing Bars — ASTM A970
   d. Deformed Bar Anchors (DBA) — ASTM A496
   e. Headed Stud Anchors (HSA) — ASTM A108
   f. Anchor Rods — See Structural Steel section
   g. Admixtures:
      i. Air-entraining admixtures shall comply with ASTM C 260 (when used).
      ii. Calcium chloride shall not be added to the concrete mix.
      iii. Water-reducing admixture shall comply with ASTM C 494/C 494M, Type A (when used)
      iv. Retarding admixture shall comply with ASTM C 494/C 494M, Type B (when used).
      v. Water-reducing and retarding admixture shall comply with ASTM C 494/C 494M, Type D (when used).
      vi. High-range, water-reducing admixture shall comply with ASTM C 494/C 494M, Type F (when used).
      vii. High-range, water-reducing and retarding admixture shall comply with ASTM C 494/C 494M Type G (when used).
      viii. Admixture manufacturer shall have ISO 9001 Quality Certification. To ensure compatibility all admixtures shall be from the same manufacturer.
   h. Type I/II cement complying with ASTM C-150 shall be used for all concrete. Cement source shall remain the same for the entire job.) Alternatively blended hydraulic cement complying with ASTM C595, or performance based hydraulic cement manufactured to meet the requirements of ASTM C1157 can be used with GU designation.
   i. The water/cementitious materials ratios shall meet the requirements of Table 19.3.2.1 of ACI 318-19.
   j. Cementitious Materials – Limit percentage, by weight, of cementitious materials other than portland cement as follows:
      i. Fly Ash - ASTM C618, Class F – 35% maximum cementitious content.
      ii. Slag Cement – ASTM C989, Grade 100 or 120 – 50% maximum cementitious content.
   k. Provide air entraining as recommended by Table 19.3.3.1 of ACI 318-19. Concrete that extends above grade and is exposed to freezing and thawing while moist shall be air-entrained. Concrete in unconditioned spaces shall be considered site concrete.
   l. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
2. Compressive strengths of concrete at 28 days shall meet the follow performance requirements (see ACI-318-19; Chapter 19):
   a. Footings & Interior Foundation Walls — Strength: 3,000 psi; Classification: F0, S0, W0, C0
   b. Exterior Foundation Walls — Strength: 3,500 psi; Classification: F1, S0, W0, C0
   c. Interior Slabs on Grade — Strength: 3,000 psi; Classification: F0, S0, W0, C0
   d. Interior Concrete Walls — Strength: 4,000 psi; Classification: F0, S0, W0, C0
   e. Tilt Up Wall Panels — Strength: (See Tilt Up Wall Panel Elevations); Classification: F1, S0, W1, C1
   f. Light Weight Concrete over Steel Deck — Strength: 3,000 psi; Classification: F0, S0, W0, C0
   g. All Site Concrete — Strength: 5,000 psi; Classification: F3, S0, W1, C2
3. Reinforcement for concrete slabs on grade:
   a. 5" thick concrete slab on grade. Reinforce slab with #3 bars at 21" o.c. each way with 1.1/2" max cover below the top surface of the concrete.
      i. At contractor's option, macro-synthetic fiber or welded wire fabric may be used in lieu of reinforcing bars with the following requirements:
         1. 3 lbs minimum per cubic yard of macro-synthetic fiber reinforcing (ASTM C 1116 Type 3) with the following requirements:
            a. Length 1.1/2" – 2"
            b. Equivalent diameter of 0.016" to 0.05"
            c. Minimum aspect ratio (length to equivalent diameter) of 50 to 90.
            d. Provide a fiber dosage to achieve a minimum post-crack residual strength (f_{e3}) of 200 psi when tested according to ASTM C1609.
            e. Maximum concrete shrinkage shall be 0.04% when tested according to ASTM C157 or C157 modified.
            f. Fiber manufacturer shall provide the following:
               i. Fiber dosage
               ii. Mix design
               iii. Finishing practices
         2. 6" x 6" – W2.5/W2.5 welded wire fabric (ASTM A185 and A497) minimum, unless noted otherwise. Welded Wire Fabric with 1.1/2" of cover below the top surface of the concrete.
4. Reinforcement for concrete over metal floor decks:
   a. 3.1/4" thick (6.1/4" overall) light weight concrete slab shall be poured over the steel deck. Reinforce slab with a macro-synthetic fiber reinforcing (ASTM C 1116 Type III) with an equivalent diameter of 0.016" to 0.05", and a minimum aspect ratio (length to equivalent diameter) of 50. Provide 3 lbs minimum per cubic yard. Fiber manufacturer shall provide 2-hour fire resistance certification from UL.
      i. At contractor's option, the welded wire fabric may be used in lieu of fiber reinforcing with the following requirements:
         1. 6" x 6" – W2.1/W2.1 welded wire fabric minimum, unless noted otherwise. Welded Wire Fabric shall be placed 1" to 1.1/2" below the top of the slab.
5. Only one grade or type of concrete shall be poured on the site at any given time.
6. The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
   a. Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected. In no case, however, shall forms and shoring be removed in less than 24 hours after concrete placement.
7. Reinforcement shall have the following concrete cover:

		Clear Cover
a.	Cast-in-place Concrete	
i.	Cast against and permanently exposed to earth	3"
ii.	Formed concrete exposed to earth or weather:	
	#6 thru #18 bars	2"
	#5 and smaller bars	1.1/2"
iii.	Concrete not exposed to weather or in contact with ground:	
	Slabs, Walls and their piers, Joists; #11 bars and smaller	3/4"
	Beams, Columns: Primary Reinf., Ties, Stirrups, Spirals	1.1/2"
b.	Concrete Tilt-up Panels (manufactured under plant-controlled conditions)	
	#8 and smaller	See "Typical Panel Reinforcing Placement Diagrams" detail in drawings
	#9 thru #18	2"

8. Detailing:
   a. Lap splice lengths shall be detailed to comply with the "Concrete Reinforcing Bar Lap Splice Schedule" in drawings. Splices may be made with mechanical splices capable of 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler and shall meet all International Building Code requirements and shall have a current ICC-ES report or IAPMO Certification. Use "Lenton" Standard Couplers (ICC ER-3967), "Bar-Lock" (ICC ESR-2495) or equal with internal protector. If mechanical splices are used, splices or couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
   b. At joints, provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
   c. At all discontinuous control or construction slab on grade joints, provide 2 - #4 x 48".
   d. Corner Bars: Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Corner bars shall lap the horizontal reinforcing with the required lap splice length. See "Typical Corner Wall Reinforcing at Concrete Walls" detail in drawings.
   e. All vertical reinforcing shall be doweled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above. Dowels extending into footings shall terminate with a 90-degree standard hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#8 bars and smaller) with hooks need not extend more than 20" into footings.
   f. Horizontal wall reinforcing shall be continuous through construction and control joints.
   g. See "Typical Reinforcing for Miscellaneous Openings Less than 3'-0" in Concrete Walls" detail in drawings for reinforcing around miscellaneous openings (8" to 36" wide). For openings wider than 36", contact the engineer. All recesses that interrupt reinforcing shall be reinforced the same as an opening.
9. Construction Joints, Control (Contraction) Joints:
   a. Construction joints in all horizontal and vertical construction joints including between top of footing and foundation walls shall be intentionally roughened to a full amplitude of approximately 1/4". The laitance on the concrete (thin, flaky layer of hardened, weakened hydrated cement) shall be mechanically removed from the surface after the concrete has achieved final set. Construction joints in slabs on grade shall not exceed a distance of 125'-0" o.c. in any direction.
   b. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed as soon as final set is achieved and it is okay to operate the cutter on the slab. Final set is typically achieved within the first 4 to 12 hours after the slab has been finished in an area (depending on weather conditions and concrete hydration rate; 4 hours in hot weather to 12 hours in cold weather). For early entry saw cutting, joints should be cut within the first 1 to 4 hours (depending on weather conditions and concrete hydration rate, 1 hour for hot weather and 4 hours for cold weather). Where saw cut joints cannot be cut along the entire projected length of the joint, a 90-degree hand grinder or other tool shall be used to complete the joint. Control joints may be installed by:
      i. Saw cut a depth of 1/4 the thickness of the slab (1.1/4" ± for early entry saws) minimum.
      ii. Tooled joints a depth of 1/4 the thickness of the slab
      iii. Saw cut depth shall be increased to 1/3 of the slab thickness (1.3/4" ± for early entry saws) where macro fibers are used.
   c. For interior concrete slabs-on-grade that are to receive **no** floor covering, install construction or control joints in slabs on grade at a spacing not to exceed 24 times the slab thickness in any direction, unless noted otherwise. For interior concrete slabs-on-grade that are to receive floor coverings the contractor has the option to increase the control joint spacing to 36 times the slab thickness in any direction.
10. Construction
    a. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars prior to placing concrete. Reinforcing steel for slabs on grade and slabs over metal deck shall be adequately supported. Support reinforcing steel of slabs on grade with precast concrete units. Lifting the reinforcing off the grade or deck during placement of concrete is not permitted.
    b. Concrete to be mechanically consolidated during placement per ACI standards.
    c. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
    d. All embeds, anchors and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
    e. No pipes, ducts, sleeves, etc shall be placed in structural concrete unless specifically detailed or approved by the structural engineer. Penetrations through walls when approved shall be built into the wall prior to concrete placement. Penetrations will not be allowed in footings or grade beams unless detailed. Piping shall be routed around footings and grade beams and unless detailed. Footings shall be stepped to avoid piping.
    f. Reinforcing Bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.

CONCRETE TILT-UP PANELS

1. See architectural floor plans and panel elevations for dimensions, openings, reveals, form liners, finish conditions, etc. Verify all dimensions prior to pouring concrete tilt-up panels.
2. The panel thickness is the total panel thickness including the dimension of any reveals, form liners, recesses, etc.
3. The location and placement of panel lifting inserts shall be the responsibility of the contractor. The contractor shall also furnish and install any additional reinforcing required for lifting and placing the panels
4. The contractor shall be responsible for locating and placing all bolts and inserts for angles, ledgers, plates, or any other bolted connections, as well as cast-in-plates and connectors for welded connections.
5. The contractor shall provide openings, sleeves, inserts for plumbing mechanical and electrical pipes, ducts, conduits, and miscellaneous items and for other trades as may be necessary. Breaking holes in or through panels will not be permitted.
6. The contractor shall add additional shims at third points under each panel immediately after each panel is plumbed and braced and before the panel weight is released from the crane in order to reduced point loading on the footings.
7. All wall panels shall be temporarily supported horizontally and vertically with the necessary shoring and bracing which, during erection, shall not be removed until all structural members, including the roof deck, are secured.
8. Contractor shall thicken concrete slab-on-grade as required to accommodate their method of bracing concrete tilt-up wall panels. The interior concrete slabs-on-grade have not been designed for cranes to drive on or set up on for the purpose of erecting concrete tilt-up panels. Contractor's means and methods shall include plans to protect and/or repair damage resulting from tilt-up panel erection due to crane use.
9. See the architectural elevations for the finish conditions of the individual concrete panels and the locations of recessed feature strips. Maintain concrete cover for reinforcing at any recessed feature.
10. For tilt panel walls with single curtain of wall reinforcing, the centerline of the vertical reinforcing shall be located at the center of the wall, except where architectural horizontal tooled joints, form liners, and/or recesses occur. Then, the centerline of the vertical reinforcing shall be centered between the tooled joint, form liners and/or recess and the opposite face of the tilt-up wall panel, unless noted otherwise.
11. Connectors for Concrete Sandwich Panels
    a. The contractor shall submit ICC-ESR or IAPMO-UES ER reports for sandwich panels' composite connectors including calculations verifying type and spacing of connectors.

POST-INSTALLED ANCHORS

1. General Post-Installed Anchor Notes
   a. Do not install adhesive anchors in concrete if less than 21 days old; do not install mechanical anchors, screw anchor or powder actuated anchors in concrete less than 7 days old. Contractor must obtain written approval from the engineer to install prior to these time periods. Do not apply full load to anchors until concrete has reached 28-day compression strength.
   b. Anchors or adhesives specified in details shall be provided; alternative anchors or adhesives may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product. These calculations, along with an ICC-ES ESR or IAPMO-UES ER approval for use in cracked concrete and compliant with the specified codes herein, must be submitted to the structural engineer prior to use.
   c. Follow all the manufacturer's recommendations and certification testing reports for anchor installation. See specific anchors below for more information.
   d. No anchor shall be installed within 1.5 anchor rod diameters of an abandoned hole that has been filled with non-shrink grout; increase distance to 3 anchor rod diameters when the abandoned hole has not been filled.
2. Adhesive Anchors
   a. For anchors in concrete, the adhesives shall be divided into two groups: Standard Adhesives and High Strength Adhesives. Standard adhesives can be used in general applications when details reference the "Standard Adhesive Embedment Schedule" in drawings. High Strength adhesive groups will be specified for the particular application in the drawings and details. When a High Strength Adhesive is specified, the contractor has the option to use any of the adhesives in the High Strength group. When a Standard Adhesive is specified, the contractor has the option to use any of the adhesives in either group. See below for the acceptable adhesives in each group.
      i. Standard Adhesive Group for anchors in concrete includes the following adhesives:
         1. SET-XP (ICC-ES ESR-2508) by Simpson Strong-Tie
         2. Pure 50+ (ICC-ES ESR-3576) by Dewalt
         3. AC100+ Gold (ICC-ES ESR-2582) by Dewalt
         4. HIT-RE 100 (ICC-ES ESR-3829) by Hilti, Inc.
      ii. High Strength Adhesive Group for anchors in concrete includes the following adhesives:
         1. SET-3G (ICC-ES ESR-4057) by Simpson Strong-Tie
         2. Pure 110+ (ICC-ES ESR-3298) by Dewalt
         3. AC200+ (ICC-ES ESR-4027) by Dewalt
         4. HIT-RE 500-V3 (ICC-ES ESR-3814) by Hilti Inc.
         5. HIT-HY 200 (ICC-ES ESR-3187) by Hilti Inc.
   b. Adhesive shall be within the manufacturer's recommended life time and prior to expiration date. Do not use adhesive that has not been stored per manufacturer's recommendations or may have experienced freeze thaw cycles or extreme heat.
   c. Do not install adhesive anchor in wet or damp hole unless product is approved for such conditions without strength reduction. Do not install adhesive anchors if concrete temperature is below 50-degree F unless adhesive is approved for lower temperature without strength reduction. Refer to manufacturer's published installation instructions.
   d. Follow all the manufacturer's recommendations and certification testing reports regarding hole cleaning prior to adhesive installation. All holes shall be drilled with ANSI standard bits designed for concrete. Diamond core drilled holes are not allowed unless indicated in specific details or approved by the structural engineer prior to use.
3. Mechanical Anchors
   a. For concrete, the mechanical anchor shall be Kwik Bolt TZ2 (ICC-ES ESR-4266) by Hilti Inc., Strong-Bolt 2 (ICC-ES ESR-3037) by Simpson Strong-Tie Inc. or Power-Stud+ SD2 (ICC-ES ESR-2502) by Dewalt.
4. Screw Anchors
   a. For concrete, the screw anchors shall be Titen HD (ICC-ES ESR-2713 for concrete only) by Simpson Strong-Tie, or Screw-Bolt + (ICC-ER ESR-3889 for concrete only) by DeWalt or Kwik HUS-EZ (ICC-ES ESR-3027 for concrete only by Hilti Inc.
5. Powder Actuated Fasteners
   a. For fasteners driven into steel (except at metal decks), concrete, or concrete over metal deck, the fastener shall be X-U P8 TH Universal Knurled Shank Fastener (ICC-ES ESR-2269) by Hilti Inc., PDPA (ICC-ES ESR-2138) by Simpson Strong-Tie Inc. or 8mm Head Spiral CSI Drive Pin (ICC-ES ESR-2024) by Dewalt.

MASONRY

1. Materials, unless noted otherwise:
   a. Concrete Masonry Units (CMU) ASTM C90: Medium or Normal weight (minimum net area unit strength of 2,000 psi). f'_m = 2,000 psi.
   b. Mortar Cement ASTM C270: Use Type "S"
   c. Masonry Grout ASTM C476: grout shall attain a minimum compressive strength of 2,500 psi at 28 days.
   d. Reinforcing Steel — ASTM 615 Grade 60 (Fy = 60 ksi)
   e. Deformed Bar Anchors (DBA) — ASTM A496
   f. Headed Stud Anchors (HSA) — ASTM A108
   g. Anchor Rods — ASTM F1554, Grade 36 with ASTM A563 heavy hex nuts and ASTM F436 hardened washers
2. Reinforcement shall have the following cover:
   a. Typical reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 3/4". When masonry is exposed to soil, minimum coverage shall be 1.1/2".
   b. Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.

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DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRADSHAW
STATE OF UTAH
03/24/2025
Stamp

△	DATE	REVISION

GENERAL STRUCTURAL NOTES

S001

GENERAL STRUCTURAL NOTES

3. Detailing Requirement
   a. Lap all masonry reinforcing per "Masonry Reinforcing Lap Splice Schedule" in drawings. Mechanical splice couplers shall be used for (2) #6 bars and larger in a single cell. Also, mechanical splice couplers shall be used for all #7 bars and larger. If mechanical splices are used, they shall be capable of developing 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler and shall meet all International Building Code requirements. Use "Cadweld", "Lenton" Standard Couplers, "Bar-Lock" or equal with internal protector. Joint reinforcement shall lap a minimum of 6".
   b. All vertical reinforcing shall be doweled to the foundation wall, footing (structure below) and to the structure below with the same size dowel, spacing (and in the same core) as the vertical wall reinforcing above.
   c. Corner Bars: Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Corner bars shall lap the horizontal reinforcing with the required lap splice length. See "Typical Corner Wall Reinforcing" detail in drawings.
   d. Horizontal wall reinforcing shall be continuous through joining concrete walls, masonry walls, columns, and pilasters. Provide a key between the wall and the column or pilaster. Horizontal wall reinforcing shall be placed inside the column vertical reinforcing.
   e. Horizontal wall reinforcing shall terminate with a hook at edge of openings and at each side of control joints except at floor and roof levels, lintels, beams and at top of parapets. See details in drawings.
   f. All masonry column ties shall terminate with 135-degree hooks plus a 6-bar diameter extension (4" minimum).

4. Construction Requirements:
   a. Masonry coursing shall be coordinated with the architectural drawings.
   b. All units shall be laid with full mortar beds on the face shells. All head joints shall be filled solidly with mortar for a distance in from the face of the units not less than the thickness of the longitudinal face shells. Cells which are to be grouted shall have full head joints.
   c. Masonry walls, beams and columns shall be constructed with running bond, unless noted otherwise.
   d. All cells containing reinforcement, embeds, anchor bolts, etc. shall be filled solid with grout. Grout shall be placed by mechanical vibration during placing and re-vibrated after excess moisture has been absorbed but before workability is lost. Rodding of grout is not allowed.
   e. Where walls are not grouted solid, each grout pour shall terminate flush with the top of the uppermost unit except at cells with vertical reinforcing where the grout shall be 1.1/2" below top of unit to provide construction key.
   f. Grout pours shall be limited to 5'-4". Do not employ high lift grouting.
   g. All walls below grade shall be grouted solid.
   h. Vertical cells to be filled with grout shall have vertical alignment sufficient to maintain a clear, unobstructed vertical cell measuring not less than 2" by 3". All steel reinforcement shall be secured against displacement prior to grouting by wire positioners or other suitable devices at intervals not exceeding 200 bar diameters or 10 ft maximum, or at bar splice locations. Vertical reinforcing shall be located at the center of the wall unless noted otherwise
   i. Reinforcing Bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for DBAs or HSAs.
   j. Control Joints: Spacing shall not exceed 30'-0". Control joints shall not be placed any closer than 4'-0" to edge of openings. Control joints shall not be placed in the middle of masonry piers. See architectural drawings for locations.
   k. Grout all beam and joist pockets solid after installation of beams and joists.
   l. Embed channels and plates shall be placed so as to create a flush surface with the face of the wall.
   m. Anchor bolts and headed stud anchors shall be set in a grouted cell. Anchor bolts and headed stud anchors shall have 1" grout surrounding the shank at its penetration. Grout shall be flush with the face or top of the masonry.
   n. Pipes, conduits, and ducts shall not be placed in grouted cells without written approval from engineer.
   o. No aluminum conduit or product containing aluminum or any other material injurious to the masonry or grout shall be embedded in the masonry.
   p. Contractor shall coordinate placement of all openings, dowels, sleeves conduits, bolts, inserts and other embedded items prior to placing grout.

STRUCTURAL STEEL

1. Material:

a. Wide Flange Sections	ASTM A992 (50 ksi)
b. All Thread Rods, Other Shapes & Plates	ASTM A36 (36 ksi)
c. Square or Rectangular HSS	ASTM A500 (50 ksi) Grade C or ASTM A1085 (50ksi)
d. Deformed Bar Anchors (DBA)	ASTM A496
e. Headed Stud Anchors (HSA)	ASTM A108
f. Anchor Rods Typical, uno	ASTM F1554, Grade 36, with ASTM A563 heavy hex nuts and ASTM F436 hardened washers Grade A
g. Bolted Connections:	ASTM F3125 Grade A325 with ASTM A563 nuts and ASTM F436 hardened washers.

2. Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
   a. American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
   b. AISC "Code of Standard Practice" excluding the following: Section 3.2, Section 4.4, Section 4.4.1,
   c. AISC "Specification for Structural Joints Using High-Strength Bolts"
   d. American Welding Society (AWS), Structural Welding Code (specific items do not apply when they conflict with the AISC requirements).
   e. AISC "Seismic Provision for Structural Steel Buildings"- ANSI/AISC 341

3. Welding
   a. Field weld flags that have been put in these documents are for suggestion only. The contractor has the option to substitute shop welding for field welding or vice versa. The steel fabrication and steel erection drawings must clearly distinguish between shop welds and field welds prior to any work being performed.
   b. Steel fabricators shall indicate the shop welds that are excluded from their bids. Steel erectors shall indicate the field welds that are excluded from their bids. It is the responsibility of the contractor to coordinate shop welding and field welding with the appropriate subcontractors.
   c. All welding and cutting shall be performed by AWS certified welders.
   d. Use E-70 XX (58 ksi yield, 70 ksi tensile) unless noted otherwise. E60 XX may be used for welding steel decks.
   e. All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown they shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected part.
   f. Reinforcing Bars: Do not weld rebar. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
   g. Do not weld anchor bolts, including "tack" welds.
   h. Headed Stud Anchors (HSAs) welding and deformed bar anchor welding shall conform to the manufacturer's specifications.

4. Bolted Connections:
   a. Use bolts for steel to steel connections, as noted herein or as noted on the drawings. Bolts shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Tighten bolts to a snug tight condition. See bolted connections schedule in drawings.
   b. Use hardened washers beneath the turned element of all bolts or nuts. Use hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. At oversized holes hardened washers or plates shall conform with ASTM F-436 and shall completely cover the slot after installation.
   c. Where a steel to steel beam connection is not shown, provide a standard AISC framed connection for one half the total uniform load capacity of the beam for the span and steel specified.
   d. Bolts, nuts and washers shall not be reused.

5. Provide baseplate anchor rod connections to concrete elements that correlate with ACI 117. Circular or square washers are acceptable:

ANCHOR ROD DIAMETER	HOLE DIAMETER	WASHER SIZE	WASHER THICKNESS (MIN)
3/4"	1.5/16"	2"	1/4"
7/8"	1.9/16"	2.1/2"	5/16"
1"	1.7/8"	3"	3/8"
1.1/4"	2.1/8"	3.1/2"	1/2"
1.1/2"	2.3/8"	4"	1/2"
1.3/4"	2.7/8"	4.1/2"	5/8"
2"	3.1/4"	5"	3/4"
2.1/2"	3.3/4"	5.1/2"	7/8"

6. Provide full-depth web-stiffener plates where indicated in the details including at each side of all beams at all bearing points. Stiffener plate thickness shall be the greater of the following:
   a. 1/4"
   b. 1/2 the thickness of the beam flange
   c. 1/16 the width of the stiffener (half the beam flange width).
   d. 1/32 the depth of the beam
   Stiffener plates shall be welded on one side with fillet welds all around. The size of the fillet weld shall be 1/2 the stiffener plate thickness or 3/16" min.

COMPOSITE STEEL BEAMS

1. Headed Stud Anchors:
   a. Headed stud anchors shall be 3/4" diameter and shall extend 1.1/2" above the top of the steel deck after welding. Headed stud anchors shall be welded through the metal deck to the top flange of the steel section or welded directly to the steel section.
   b. Anchors for composite steel beams are marked on the framing plans as "(x)". Locate anchors on composite steel beams (or segments of a beam) based on the following criteria:
      i. The number inside the brackets indicates the quantity of headed studs for the beam or segment of beam. When only one set of brackets is indicated, the headed studs shall be spaced uniformly over the entire beam length. For multiple sets of brackets, the headed studs shall be spaced uniformly over the segment of a beam associated with that set of brackets. Beam segments are delineated by adjoining framing members.
      ii. For steel beams perpendicular to deck corrugations: Place anchors in bottom of deck flutes. Where the number of uniformly placed anchors requires more than 1 anchor per deck corrugation, the first row shall be a complete uniform row with the remainder of the anchors placed in a second row equally at each end of the beam/segment.
      iii. For steel beams parallel to deck corrugations: Place anchors uniformly along beam the entire beam length/segment. The minimum center-to-center spacing of anchors shall be 4.1/2". Where the number of uniformly placed anchors is spaced at less than 4.1/2" o.c., the first row shall be a complete uniform row at 4.1/2" o.c. with the remainder of the anchors placed in a second row equally at each end of the beam/segment.
      iv. Anchors shall be placed in a single row within 1/4" of the center of the steel beam web. Where two rows of anchors are required, provide 3" center-to-center spacing between rows of anchors transverse to the steel beam web.
      v. The maximum center to center spacing shall not exceed 36".

2. Camber:
   a. Specific composite beams shall be precambered at the mid span. c= x" on the plans denotes pre-camber dimension (upward) in inches.
   b. Where a camber is not indicated at a steel beam, assume that c=0".

OPEN WEB STEEL JOISTS

1. All open web steel joist shall be fabricated and erected in accordance with the latest edition of Steel Joist Institute (SJI), "Standard Specifications and Code of Standard Practice".
2. At the completion of fabrication, the steel joist manufacturer shall submit to the building official a certificate of compliance in accordance with IBC Section 1704.2.5 stating if the work was performed in accordance with approved construction documents and with SJI standard specifications.
3. Joists with slopes greater than 1/2" per foot shall be designed to meet or exceed the load capacities, listed in the SJI load tables, of the joist sizes indicated on the framing plan, as if the joists or girders were installed level.
4. Provide special bearing ends to accommodate slopes from sloped joists, or sloped bearing conditions.
5. Modifications to any joist, including holes through the top and bottom chords, without the written consent and direction from the manufacturer are not allowed.
6. Joist loads called out in the drawings are allowable stress design (ASD) loads.
7. Open web joist deflection shall be limited to L/240 for total loads and L/360 for roof live loads (or snow loads), unless noted otherwise on plans. The SJI required camber can be subtracted when considering the total load deflection requirements.
8. Camber joist per typical SJI requirements, unless noted otherwise on plans.
9. Joist bridging shown on plans is for schematic purposes only; actual size, quantity and location of bridging shall be determined by the joist supplier per SJI. Coordinate bridging locations to avoid interference with mechanical, electrical and fire protection equipment and skylights.

METAL DECKING

1. Steel deck shall comply with the latest requirements of the Steel Deck Institute.
2. All deck shall be 3-span continuous minimum. In areas where 3-span conditions are not possible, the contractor shall provide heavier gage deck as required to provide the equivalent loading of the deck under a three-span condition.
3. Steel roof deck shall not be used to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted. Light weight suspended acoustical ceilings with a total weight of 50 lbs per attachment may be hung from roof deck. The hangers shall be staggered to distribute the loads over multiple deck flutes.
4. All deck supporting members shall be dry before welding.
5. Clinch seams before welding interlocking seams.

Steel Floor Deck (Typical)
   a. Steel floor deck shall be 3" deep X 20 gage minimum phosphatized/painted composite type "W" deck with interlocking side seams with the following properties:

	22 Gage	20 Gage	19 Gage	18 Gage	16 Gage
Minimum S ($in^3/_ft$) =	0.410	0.528	0.652	0.768	0.966
Minimum I ($in^4/_ft$) =	0.736	0.907	1.067	1.213	1.516

   Deck shall be galvanized (G60) when used below mechanical equipment rooms.
   b. Steel deck with 3.1/4" thick (6.1/4" overall) light weight concrete slab shall have a minimum allowable diaphragm shear capacity of 2400 lbs/ft for a 11'-0" deck span.
   c. Fasten deck to supporting framing members with powder-driven fasteners. Powder-driven fasteners shall be as indicated below based on the steel framing thicknesses:

Steel Framing Thickness	Fastener	ICC-ESR or IAPMO report number
0.125" to 0.375"	Hilti X-HSN-24	ICC-ESR 2776
0.25" and up	Hilti X-ENP-19 L15	ICC-ESR 2776
0.113" to 0.155"	Pneutek SDK61075	ICC-ESR 2941
0.155" to 0.250"	Pneutek SDK63075	ICC-ESR 2941
0.188" to 0.312"	Pneutek K64062	ICC-ESR 2941
0.281" and up	Pneutek K66062	ICC-ESR 2941

   d. Fasteners shall be placed at the following spacings (Closer spacings may be used to develop minimum shear requirements):
      vi. 12" o.c. to supports perpendicular to deck corrugations (4 fasteners per 36" wide sheet).
      vii. 12" o.c. to all supports parallel to deck corrugations.
   e. In lieu of mechanical fasteners, contractor may weld deck to supporting framing members with 3/4" diameter puddle welds at the same spacing for deck pins as indicated above.
   f. Attach interlocking seams with one of the following.
      i. 3/16" Ø button punch at 18" o.c.
      ii. 1.1/2" long top seam welds at 36" o.c.
      iii. Verco PunchLok II System at 36" o.c.,
      iv. ASC DeltaGrip System at 36" o.c.
      v. CSI Inter-Knek at 36" o.c.
      Closer spacing may be used to develop minimum shear requirements.
   g. Provide a 2" minimum bearing at supports.

Steel Roof Deck (Typical).
   a. Steel roof deck shall be 1.1/2" deep X 20 gage minimum painted, type "B" wide rib deck with interlocking side seams with the following properties:

	22 Gage	20 Gage	18 Gage	16 Gage
Minimum S ($in^3/_ft$) =	0.188	0.237	0.331	0.410
Minimum I ($in^4/_ft$) =	0.192	0.231	0.306	0.381

   b. Minimum allowable deck diaphragm shear values shall be 1200 lbs/ft for a 7'-0" deck span.
   c. Maximum diaphragm flexibility factor shall be 8.6 in/lb x 10^{10} for a 7'-0" deck span.
   d. Fasten deck to supporting framing members with powder-driven fasteners. Powder-driven fasteners shall be as indicated below based on the steel framing thicknesses:

Steel Framing Thickness	Fastener	ICC-ESR or IAPMO report number
0.125" to 0.375"	Hilti X-HSN-24	ICC-ESR 2776
0.25" and up	Hilti X-ENP-19 L15	ICC-ESR 2776
0.113" to 0.155"	Pneutek SDK61075	ICC-ESR 2941
0.155" to 0.250"	Pneutek SDK63075	ICC-ESR 2941
0.188" to 0.312"	Pneutek K64062	ICC-ESR 2941
0.281" and up	Pneutek K66062	ICC-ESR 2941

   e. For type "B" metal deck, fasteners shall be placed based on a 36/7/4 attachment pattern (Closer spacings may be used to develop minimum shear requirements):
      i. Supports perpendicular to deck corrugations:
         1. At lap joints between adjacent deck sheets: 6" o.c.
         2. At intermediate supports away from lap joints: 12" o.c.
         3. At all steel elements labeled 'SRE' on plan: 6"o.c.
      ii. Supports parallel to deck corrugations: 6" o.c.
   f. In lieu of mechanical fasteners, contractor may weld deck to supporting framing members with 3/4" diameter puddle welds at the same spacing for deck pins as indicated above.
   g. Attach metal deck seams with one of the following:
      i. 1.1/2" long top seam welds at 12" o.c. maximum
      ii. Verco PunchLok II System at 12" o.c. maximum
      iii. ASC Delta Grip System at 12" o.c maximum
      iv. CSI Inter-Knek System at 12" o.c maximum
      Closer spacing may be used to develop minimum shear requirements. A standard button punch may **not** be used in place of Verco PunchLok, DeltaGrip or CSI Inter-Knek
   h. Provide a 2" minimum bearing and a 4" lap at the splice points.

Steel Roof Deck at Multi-Purpose Room
   a. Steel roof deck shall be 2.5" deep X 20 gage minimum painted Toris 2.5A acoustical deck by Epic Metals with the following properties:

	20 Gage	18 Gage	16 Gage
Minimum S ($in^3/_ft$) =	0.420	0.580	0.760
Minimum I ($in^4/_ft$) =	0.730	0.980	1.250

   b. Minimum allowable deck diaphragm shear values shall be 845 lbs/ft for a 7'-0" deck span.
   c. Maximum diaphragm shear stiffness shall be 19 kips/in for a 7'-0" deck span.
   d. Metal deck shall be attached to all supporting framing members with ¾" puddle welds at a 24/6 attachment pattern. Each deck sheet shall have six puddle welds per 24" wide sheet ((2) welds at each outer flute and (1) weld at each inner flute).
   e. At locations parallel to deck span, metal deck shall be attached to supporting framing members with ¾" diameter puddle welds at 12" o.c.
   f. Attach metal deck seams with one of the following with 1/2" long top seam welds at 12" o.c. maximum. Alternate fastener methods are not permitted.
   g. Provide a 1.1/2" minimum bearing at each end of deck sheet.

Steel Roof Deck (Below Drift)
   a. Steel roof deck shall be 1.1/2" deep X 16 gage minimum painted, type "B" wide rib deck with interlocking side seams with the following properties:

	22 Gage	20 Gage	18 Gage	16 Gage
Minimum S ($in^3/_ft$) =	0.188	0.237	0.331	0.410
Minimum I ($in^4/_ft$) =	0.192	0.231	0.306	0.381

   b. Minimum allowable deck diaphragm shear values shall be 1200 lbs/ft for a 7'-0" deck span.
   c. Maximum diaphragm flexibility factor shall be 8.6 in/lb x 10^{10} for a 7'-0" deck span.
   d. Fasten deck to supporting framing members with powder-driven fasteners. Powder-driven fasteners shall be as indicated below based on the steel framing thicknesses:

Steel Framing Thickness	Fastener	ICC-ESR or IAPMO report number
0.125" to 0.375"	Hilti X-HSN-24	ICC-ESR 2776
0.25" and up	Hilti X-ENP-19 L15	ICC-ESR 2776
0.113" to 0.155"	Pneutek SDK61075	ICC-ESR 2941
0.155" to 0.250"	Pneutek SDK63075	ICC-ESR 2941
0.188" to 0.312"	Pneutek K64062	ICC-ESR 2941
0.281" and up	Pneutek K66062	ICC-ESR 2941

   e. For type "B" metal deck, fasteners shall be placed based on a 36/7/4 attachment pattern (Closer spacings may be used to develop minimum shear requirements):
      i. Supports perpendicular to deck corrugations:
         1. At lap joints between adjacent deck sheets: 6" o.c.
         2. At intermediate supports away from lap joints: 12" o.c.
         3. At all steel elements labeled 'SRE' on plan: 6"o.c.
      ii. Supports parallel to deck corrugations: 6" o.c.
   f. In lieu of mechanical fasteners, contractor may weld deck to supporting framing members with 3/4" diameter puddle welds at the same spacing for deck pins as indicated above.
   g. Attach metal deck seams with one of the following:
      v. 1.1/2" long top seam welds at 12" o.c. maximum
      vi. Verco PunchLok II System at 12" o.c. maximum
      vii. ASC Delta Grip System at 12" o.c maximum
      viii. CSI Inter-Knek System at 12" o.c maximum
      Closer spacing may be used to develop minimum shear requirements. A standard button punch may **not** be used in place of Verco PunchLok, DeltaGrip or CSI Inter-Knek
   h. Provide a 2" minimum bearing and a 4" lap at the splice points.

COLD-FORMED STEEL

1. All cold-formed steel shall meet the requirements of "Specifications for the Design of Cold-Formed Steel Structural Members" by American Iron and Steel Institute (AISI).
2. All cold-formed steel connectors shall be provided by The Steel Network. If the contractor elects to substitute for another manufacturer, the contractor shall submit a revised connector list, prior to construction, that includes the following information:
   a. Specified connector indicated on these plans
   b. Requested substitution connector
   c. Allowable capacity of the requested substitution connector
3. Light Gauge Steel Framing:
   a. Galvanized steel shall meet the minimum requirements of ASTM A653 (Fy = 50 ksi) for 97 mil (12 gauge), 68 mil (14 gauge) and 54 mil (16 gauge). For 43 mil (18 gauge) and lighter galvanized steel shall meet and ASTM A653 (Fy = 33 ksi). Galvanized coatings must meet the ASTM A924.
   b. Follow all manufacturers' recommendations for the use of these products.
   c. Unless noted otherwise, all welded connections shall be done according to AWS standards.
   d. All interior non-bearing steel-stud walls that extend above the ceiling but do not attach to the structure above shall be brace with diagonal metal-stud braces (45 degrees). The kl/r ratio of the brace shall not exceed 200 and shall not be spaced further apart than 10'-0" o.c. Connect diagonal braces to the top of the steel stud walls and to the top flange of the steel beams with two #10 tek screws minimum. Where a concrete deck occurs above, use two powder-driven fasteners per diagonal brace. Other approved methods may be used.

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DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

	DATE	REVISION

GENERAL STRUCTURAL NOTES

S002

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REQUIREMENTS FOR SPECIAL INSPECTION, MATERIAL TESTING, AND STRUCTURAL OBSERVATION

STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE

Special inspection and quality assurance (including structural testing), as required by section 1704 and 1705 of the 2021 IBC, shall be provided by an independent agency employed by the owner for the items in this section and other areas of the approved construction documents, unless waived by the building official.	
The names and credentials of the Special Inspectors to be used shall be submitted to the Building Official for approval.	
Responsibilities of the Special Inspector	
	Special Inspector shall review all work listed in the special inspection schedules herein for conformance with the approved construction plans, specifications and 2021 IBC.
	Testing and inspection reports shall be sent on a weekly basis to the architect, engineer, building official and contractor for review. All items not in compliance shall be brought to the immediate attention of the contractor for correction, and if uncorrected, to the architect, engineer and building official.
	Once corrections have been made by the contractor, the special inspector shall submit a final signed report to the building official stating that the work requiring special inspection was, to the best of the special inspector's knowledge, in conformance with the approved construction plans, specifications and 2021 IBC.
Responsibilities of the Contractor	
	The contractor shall submit a written statement of responsibility to the owner and the building official prior to the commencement of work in accordance with 2021 IBC section 1704.4. This statement shall indicate that the contractor will coordinate and cooperate with the required inspections contained herein.
	The contractor shall notify the designated special inspector that work is ready for inspection at least 24 hours before said inspection is required.
	All work requiring special inspection shall remain open and accessible until it has been observed by the special inspector and deemed acceptable through inspection report.
	Special inspection during fabrication is not required if the fabricator is registered and approved by the authority having jurisdiction to perform such work without special inspection. Upon completion of fabrication, the approved fabricator shall submit a certificate of compliance for submittal to the building official.
	The contractor shall be responsible for their own quality control including materials, fabrication, erection, etc.

SOILS CONSTRUCTION INSPECTIONS

Soils (2021 IBC Section 1705.6, and Table 1705.6)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Site Preparation	-	X	Verify excavations are extended to proper depth and have reached proper materials. Verify that the site has been prepared in accordance with the soils report prior to placement of prepared fill.
Fill Material	X	-	Verify, during fill placement, that the material being used and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of the fill.
Continuous Footing Backfill: at least one test for each 40 linear feet or less of wall length, but no fewer than 2 tests.	-	X	At each compacted backfill layer.
Spot Footing Backfill: Minimum of one compaction test for each lift for each spot footing.	-	X	At each compacted backfill layer.
See specifications for further requirements.	-	-	

CONCRETE CONSTRUCTION INSPECTIONS

Concrete (2021 IBC Section 1705.3, Table 1705.3, and Section 1904) The following concrete elements require special inspection:

All concrete footings, Exterior concrete footings, All concrete walls, including foundation walls, Concrete tilt-up panels, Interior concrete slab-on-grade, Concrete fill over metal deck, Concrete piers.

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Protection of concrete during cold and hot weather	-	X	Verify maintenance of specified curing temperature and techniques
Verify materials used including use of the required mix design	-	X	Verify Use of required design mix. Verify mix design meets strength and exposure requirements listed on General Structural Notes
Formwork	-	X	Verify shape, location and member dimensions
Testing of concrete prior to concrete placement	-	X	Fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.
Bolts installed in concrete	X	-	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used. Prior to and during concrete placement.
Embeds and Inserts installed in concrete	X	-	Prior to and during concrete placement.
Concrete reinforcing steel placement	-	X	Verify that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Concrete placement and samples	X	-	Cylinders, slump, temperature and air-entrainment shall be done for every 150 cubic yards or each day's production if the day's production is less than 150 cubic yards nor less than once for each 5000 sq. ft of surface area for slabs and walls.
See specifications for further concrete testing requirements.	-	-	

MISCELLANEOUS CONCRETE CONSTRUCTION INSPECTIONS

Concrete Tilt-up Panels (2021 IBC Section 1705.3, and Table 1705.3)

ITEM FOR VERIFICATION & INSPECTION	ITEM FOR VERIFICATION & INSPECTION		ITEM FOR VERIFICATION & INSPECTION
	CONTINUOUS	PERIODIC	
All concrete tilt-up panels, reinforcing and connections.	All concrete tilt-up panels, reinforcing and connections.	All concrete tilt-up panels, reinforcing and connections.	All concrete tilt-up panels, reinforcing and connections.

STEEL BOLTED CONSTRUCTION INSPECTIONS

Where special inspections are listed under "Random Basis", special inspection of elements and items shall be performed on a random basis. Operations need not be delayed pending these inspections. Where special inspection items are listed under "Every Element", special inspection shall be performed for each element, joint, or member, as applicable based on the task listed below.

High Strength bolted connections (2021 IBC section 1705.2.1, section 1705.13.1 and section 1705.14.1 and AISC 360-16 Chapter N and AISC 341-16 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION PLAN		COMMENTS
	Every Element	Random Basis	
Inspection Tasks Prior to Bolting			
Manufacturer's certifications available for fastener materials	X	-	
Fasteners	-	X	Marked in accordance with ASTM requirements
Proper fasteners selected for the joint detail	-	X	Including grade, type, bolt length if threads are to be excluded from shear plane.
Proper bolting procedure selected for joint detail	-	X	
Connecting elements	-	X	Including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	-	X	Not required if only snug-tight joints are specified per [Section N5.6(1) of AISC 360-16])
Proper storage	-	X	Storage provided for bolts, nuts, washers and other fastener components
Inspection Tasks During Bolting			
Fastener assemblies, of suitable condition	-	X	Verify that fasteners placed in all holes and washers (if required) are positioned as required.
Joint	-	X	Verify that joint brought to the snug-tight condition (min) unless noted otherwise.
Fastener component	-	X	Verify that fastener component not turned by the wrench prevented from rotating
Pretensioned Fasteners	-	X	Verify that pretensioned fasteners are pretensioned in accordance with the RCSC *Specification*, progressing systematically from the most rigid point toward the free edges (Not required if only snug-tight joints are specified per [Section N5.6(1) of AISC 360-16]; Not required for pretensioned joints using turn-of-the-nut method with match-marking, direct-tension-indicators or twist-off type tension control bolt methods)
Inspection Tasks After Bolting			
Document acceptance or rejection of each bolted connection	X	-	

STEEL WELDED CONSTRUCTION INSPECTIONS

Definition of Terms

Where special inspections are listed under "Random Basis", special inspection of elements and items shall be performed on a random basis. Operations need not be delayed pending these inspections. Where special inspection items are listed under "Every Element", special inspection shall be performed for each element, joint, or member, as applicable based on the task listed below.

Structural Welding (2021 IBC section 1705.2.1 and section 1705.13.1 and section 1705.14.1 and AISC 360-16 Chapter N and AISC 341-16 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION PLAN		COMMENTS
	Every Element	Random Basis	
Inspection Tasks Prior to Welding			
Welding procedures specifications and manufacturer certifications for welding consumables shall be available	X	-	Welding procedures shall be submitted to the Engineer of Record for review.
Material identification (type/grade)	-	X	
Welder identification system	-	X	Verify there is a system in place to identify the welder who has welded a joint or member.
Fit-up of groove welds	-	X	Including joint geometry, joint preparation, dimensions, cleanliness, tacking and backing type and fit.
Configuration and finish of access holes	-	X	
Fit-up of fillet welds	-	X	Including alignment, gaps at root, dimensions, cleanliness and tacking.
Check welding equipment	-	X	
Inspection Tasks During Welding			
Use of qualified welders	-	X	
Control and handling of welding consumables	-	X	Including packaging and exposure control
Cracked tack welds	-	X	Verify no welding over cracked tack welds.
Environmental conditions	-	X	Including wind speed within limits and precipitation and temperature
WPS followed	-	X	Including settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature (min./max.) maintained, proper position (F, V, H, OH)
Welding techniques	-	X	Including interpass and final cleaning, each pass within profile limitations, each pass meets quality requirements
Inspection Tasks After Welding			
Welds cleaned	-	X	
Size, length and location of welds	X	-	
Welds meet visual acceptance criteria	X	-	Including crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut and porosity.
Arc strikes, k-area, weld access holes for flanges greater than 2", backing removed and weld tabs removed (if required), repair activities	X	-	When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3" of the weld.
Ultrasonic testing (UT) for complete-joint-penetration (CJP) groove welds, partial penetration groove welds when used in column splices, and welds subject to fatigue	X	-	Perform UT on all welds subject to transversely applied tension loading in butt, T- and corner joints, in material 5/16" thick or greater. For materials less than 5/16" thick, ultrasonic testing is not required. A reduction in the rate of UT is allowed per Section N5.5e
Document acceptance or rejection of each welded joint or member	X	-	

OPEN-WEB STEEL JOIST CONSTRUCTION INSPECTIONS

Installation of open-web steel joists (IBC 2021 Section 1705.2.3, and Table 1705.2.3)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
End connections – welding or bolted	-	X	Follow SJI references listed in section 2207
Standard horizontal and diagonal bridging	-	X	Follow SJI references listed in section 2207
Bridging that differs from SJI specifications listed in section 2207.1	-	X	

MASONRY CONSTRUCTION INSPECTIONS

Engineer Note: Special inspections are not required for the following:
Empirically designed masonry, glass unit masonry or masonry veneer designed in accordance with section 2109, 2110 or chapter 14, respectively, where they are part of a structure classified as Risk Category I, II or III.
Masonry foundation walls constructed in accordance with Table 1807.1.6.3(1), 1807.1.6.3(2), 1807.1.6.3(3) or 1807.1.6.3(4).
Masonry fireplaces, masonry heaters or masonry chimneys installed or constructed in accordance with Section 2111, 2112 or 2113, respectively.

Prior to Construction (2021 IBC section 1705.4 and TMS 602 Table 3)

ITEM FOR VERIFICATION	COMMENTS
Verification of compliance of submittals	Verify that materials conform to the requirements of the approved submittals. Mix design, test results, material certificates, and construction procedures should be submitted for review.
Verification of f'm	Verify that materials conform to the requirements of the approved construction documents.
Verification of material certificates, mix designs, and test results	Mortar mix designs shall conform to ASTM C 270 while grout shall conform to ASTM C 476. Material certificates shall be provided for the following: reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.

As masonry construction begins (2021 IBC section 1705.4 and TMS 602 Table 4)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Proportions of site-prepared mortar, construction of mortar	-	X	
Grade, type and size of reinforcement, connector, and anchors	-	X	
Sample wall panel construction	-	X	Use materials and procedures accepted for the Work to create a minimum sample panel size of 4 ft by 4 ft. The acceptable standard for the Work is established by the accepted panel and retained at the project site until Work has been accepted.

Prior to grouting and during construction - Structural Masonry shall have Level 2 (Engineer's Note: Risk Category I, II or III Facilities) special inspection (2021 IBC section 1705.4 and TMS 602 Table 4)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Grout Space	-	X	Verify grout space is clean prior to grouting
Placement, grade, type and size of reinforcement, connectors and anchor bolts and anchorages	-	X	
Proportions of site-prepared grout	-	X	
Materials and procedures with the approved submittals	-	X	
Placement of masonry units and mortar joint construction	-	X	
Size and location of structural members	-	X	
Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	-	X	
Welding of reinforcement.	X	-	
Protection of masonry during cold weather (below 40 deg F) and hot weather (above 90 deg F)	-	X	
Grout placement (including verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.)	X	-	
Observe preparation of grout specimens, mortar specimens and/or prisms	-	X	The contractor has the option of using the "Prism Test Method" per ACI 530.1/ASCE 6/TMS 602 in lieu of the "Unit Strength Method."

Prior to grouting and during construction - Structural Masonry shall have Level 3 (Engineer's Note: Risk Category IV Facilities) special inspection (2021 IBC 1705.4 and TMS 602 Table 5)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Verification of f'm			Verified for every 5,000 square feet of masonry constructed
Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, and grout other than self-consolidating grout.			
Grout Space	X	-	Verify grout space is clean prior to grouting
Placement, grade, type and size of reinforcement, connectors and anchors	-	X	
Proportions of site-prepared grout	-	X	
Materials and procedures with the approved submittals	-	X	
Placement of masonry units and mortar joint construction	X	-	
Size and location of structural members	-	X	
Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	X	-	
Welding of reinforcement.	X	-	
Protection of masonry during cold weather (below 40 deg F) and hot weather (above 90 deg F)	-	X	
Grout placement (including verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.)	X	-	
Observe preparation of grout specimens, mortar specimens and/or prisms	X	-	The contractor has the option of using the "Prism Test Method" per ACI 530.1/ASCE 6/TMS 602 in lieu of the "Unit Strength Method."

MISCELLANEOUS STEEL CONSTRUCTION INSPECTIONS

Structural Welding of Composite Construction (2021 IBC section 1705.2 and section 1705.13.1 and section 1705.14.1 and AISC 360-16 Chapter N and AISC 341-16 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Placement and installation of steel headed stud anchors (HSA)	X	-	Inspection of steel elements of composite construction prior to concrete placement for each welded joint or member.

Metal Deck Construction (2021 IBC section 1705.2.2, AWS D1.3, and section 6.1 of SDI QA/QC-2011)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Material verification of metal deck(s)	-	X	Confirm that identification markings are provided that conform to applicable ASTM standards specified on construction documents
Placement and installation of metal deck	-	X	Confirm that the deck is installed per the approved construction documents, installation drawings, shop drawings and applicable reference standards.
Steel deck welding/fastening (prior to concrete placement at floor)	-	X	Visual inspection is required to verify size and spacing of welds/fasteners for deck attachment to the supporting structure. Also verify spacing and size of side-seam attachments. Confirm that welds/fasteners meet acceptance criteria of applicable referenced standards and manufacturer's instructions. Where applicable, welder qualifications should be verified.

COLD FORMED STEEL CONSTRUCTION INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Cold-formed steel framing (2021 IBC Sections 1705.12.2 and 1705.13.3)			
All diaphragms and shear walls with fastener spacing of 4 inches or less o/c.	-	X	Verify screw attachment, bolting, anchoring and other fastening of components within the seismic-force resisting system, including struts, braces and hold downs.
Prefabricated cold formed metal trusses (2021 IBC Sections 1705.2.4 and 1704.2.5)			
Shop fabrication of trusses	-	X	Verify that detailed fabrication and quality control procedures exist that provide a basis of inspection control of the workmanship and the fabricator's ability to conform to approved construction documents and referenced standards.
Cold-formed steel trusses clear spanning 60 feet or greater	-	X	Verify temporary (during construction) and permanent restraint/bracing of truss members is in accordance with the approved truss submittal package.

POST-INSTALLED ANCHOR INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Post-Installed Anchors and Reinforcing Bars (2021 IBC Section 1705.1.1)			
Adhesive Anchors and Reinforcing Bars	X	-	Special inspection shall be performed per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of adhesive and anchor rod. If the anchor is not installed in a horizontal, upwardly inclined or overhead orientation meant to resist sustained tension loads, special inspection may be reduced to a periodic frequency. A pull test shall be provided for 10% of the anchors.
Mechanical Anchors and Screw Anchors	-	X	Special inspection shall be provided per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of mechanical or screw anchor.

STRUCTURAL OBSERVATION PROGRAM

If structural observations are required, they shall be done by the Engineer of Record or an approved subordinate at the stages of construction listed in the Construction Notification Phases section of these notes. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance with the approved construction documents. Structural observation does not include or waive the responsibility for the special inspections indicated in these structural drawings. At the conclusion of the project, the designated structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that to the best of the structural observer's knowledge have not been resolved (See IBC 2021 1704.6).

STRUCTURAL OBSERVATION PROGRAM REQUIRED BY CODE:	YES	NO
	X	

CONSTRUCTION MILESTONE SCHEDULE

CONTRACTOR TO NOTIFY ENGINEER AT THE FOLLOWING CONSTRUCTION PHASES:	
CONCRETE	
Footings, stem walls and piers	Prior to pouring concrete
Concrete over metal floor deck	Prior to pouring concrete
Concrete tilt-up panels	Prior to pouring concrete
STEEL	
Floor framing	After substantial portion of framing is erected
Roof framing	After substantial portion of framing is erected
Roof deck	After welding/fastening and prior to roofing
MASONRY	
Masonry walls	Prior to pouring grout

DEFERRED SUBMITTALS

For the purposes of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC 2021. Submittal documents for deferred submittal items shall be submitted to the engineer, architect and building official for their review for general conformance with the design of the building.

DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE
Open web steel joists (per IBC 2021 section 2207)
Sandwich panel composite connectors

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DRAWING ISSUE	BID SET
ISSUE DATE	02/5/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
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Stamp

DATE	REVISION

SPECIAL INSPECTIONS

S003

A 1 2 3 4 5 6

LEGEND OF ABBREVIATIONS

AB	ANCHOR BOLT(S)	k	KIP(S) = 1000 POUNDS
ABV	ABOVE	KLF	KIPS PER LINEAL FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
APPROX	APPROXIMATE		
ARCH	ARCHITECT(URAL)	LBS	POUNDS
		LF	LINEAL FOOT
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLW	BELOW	LLV	LONG LEG VERTICAL
BM	BEAM	LSH	LONG SIDE HORIZONTAL
BOT	BOTTOM	LSV	LONG SIDE VERTICAL
BRG	BEARING		
BTWN	BETWEEN	MAS	MASONRY
		MAX	MAXIMUM
CC.	CENTER-TO CENTER	MCJ	MASONRY CONTROL JOINT
C.J.	CONST/CONTROL JOINT	MC-x	MASONRY COLUMN MARK
CJP	COMPLETE JOINT PENETRATION	MECH	MECHANICAL
	GROOVE WELD (FULL PEN WELD)	MFR	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM
COL	COLUMN	MISC	MISCELLANEOUS
CONC	CONCRETE	ML-x	MASONRY LINTEL
CONST	CONSTRUCTION	MP-x	MASONRY PIER
CP-x	CONCRETE PIER	MW-x	MASONRY WALL
CRW-x	CONCRETE RETAINING WALL	MSW	METAL STUD WALL
CTR	CENTER		
CW-x	CONCRETE WALL	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
DB	DECK BEARING		
DBA	DEFORMED BAR ANCHOR	O.C.	ON CENTER
DBE	DECK BEARING ELEVATION	O.F.	OUTSIDE FACE
DBL	DOUBLE	OPNG	OPENING
DET	DETAIL	OPP	OPPOSITE
DIA	DIAMETER	OWSJ	OPEN WEB STEEL JOISTS
DIM	DIMENSION		
DN	DOWN	PAF	POWDER-ACTUATED FASTENER
DWG	DRAWING	PCF	POUNDS PER CUBIC FOOT
DWL	DOWEL	PL	PLATE
		PLF	POUNDS PER LINEAL FOOT
EA	EACH	PNL	PANEL
E.F.	EACH FACE	PSF	POUNDS PER SQUARE FOOT
E.J.	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
ELEC	ELECTRICAL	PT	POINT
ELEV	ELEVATION		
E.O.D.	EDGE OF DECK	REINF	REINFORCING
E.O.S.	EDGE OF SLAB	REQD	REQUIRED
EQUIP	EQUIPMENT	R.D.	ROOF DRAIN
EQ	EQUAL	RTU	ROOF TOP UNITS
E.W.	EACH WAY		
EXT	EXTERIOR	SBP-x	STEEL BASE PLATE MARK
		SCW	SEISMIC CRITICAL WELD
FC-x	CONTINUOUS FOOTING MARK	SC-x	STEEL COLUMN MARK
F.D.	FLOOR DRAIN	SCP-x	STEEL CAP PLATE MARK
FDN	FOUNDATION	SHT	SHEET
F.F.	FINISHED FLOOR	SI	SPECIAL INSPECTION
FR-x	RECTANGULAR FOOTING	SIM	SIMILAR
FS-x	SQUARE FOOTING MARK	SMU	SUSPENDED MECHANICAL UNITS
FT	FOOT	SOG	SLAB-ON-GRADE
FTG	FOOTING	SQ	SQUARE
FTS-x	THICKENED SLAB MARK	SRE	SEISMIC RESISTING ELEMENT
		STAG	STAGGERED
GA	GAUGE	STD	STANDARD
GALV	GALVANIZED	STL	STEEL
GSN	GENERAL STRUCTURAL NOTES	STR	STRUCTURAL
		STS	SELF TAPPING SCREWS
HB	HORIZONTAL BRIDGING		
HORIZ	HORIZONTAL	T&B	TOP AND BOTTOM
HSA	HEADED STUD ANCHOR	TEMP	TEMPERATURE
HT	HEIGHT	THDS	THREADS
		T.O.	TOP OF
ICC	INTERNATIONAL CODE COUNCIL	TOC	TOP OF CONCRETE
IBC	INTERNATIONAL BUILDING CODE	TOD	TOP OF DECK
I.F.	INSIDE FACE	TOF	TOP OF FOOTING
IN.	INCH	TOS	TOP OF STEEL
INT	INTERIOR	TOW	TOP OF WALL
		TYP	TYPICAL
JT	JOINT	UNO	UNLESS NOTED OTHERWISE
JST	JOIST		
		VERT	VERTICAL
W/	WITH		
WT	WALL THICKNESS		
WWF	WELDED WIRE FABRIC		
WWM	WELDED WIRE MESH		

SNOW DRIFT LEGEND

- INDICATES AREA OF SNOW DRIFT, JOIST SUPPLIER TO ADD SNOW DRIFT LOAD TO JOISTS AND GIRDERS
- xx psf / p psf / X'-6" — INDICATES ADDITIONAL LOADING DUE TO SNOW DRIFT (SEE SNOW DRIFT NOTE) xx psf INDICATES LOAD AT HIGH POINT x'-x" INDICATES LENGTH OF DRIFT
- xx psf / x psf / X'-6" — INDICATES ADDITIONAL LOADING DUE TO SNOW DRIFT (SEE SNOW DRIFT NOTE) xx psf INDICATES LOAD AT HIGH POINT, x psf INDICATES LOAD AT LOW POINT x'-x" INDICATES LENGTH OF DRIFT SEE PLAN FOR SNOW DRIFT LOADING. THESE LOADS ARE IN ADDITION TO THE JOIST UNIFORM AND POINT LOADS SHOWN ON PLANS. JOIST SUPPLIER TO ADD SNOW DRIFT LOAD TO BOTH JOISTS AND GIRDERS

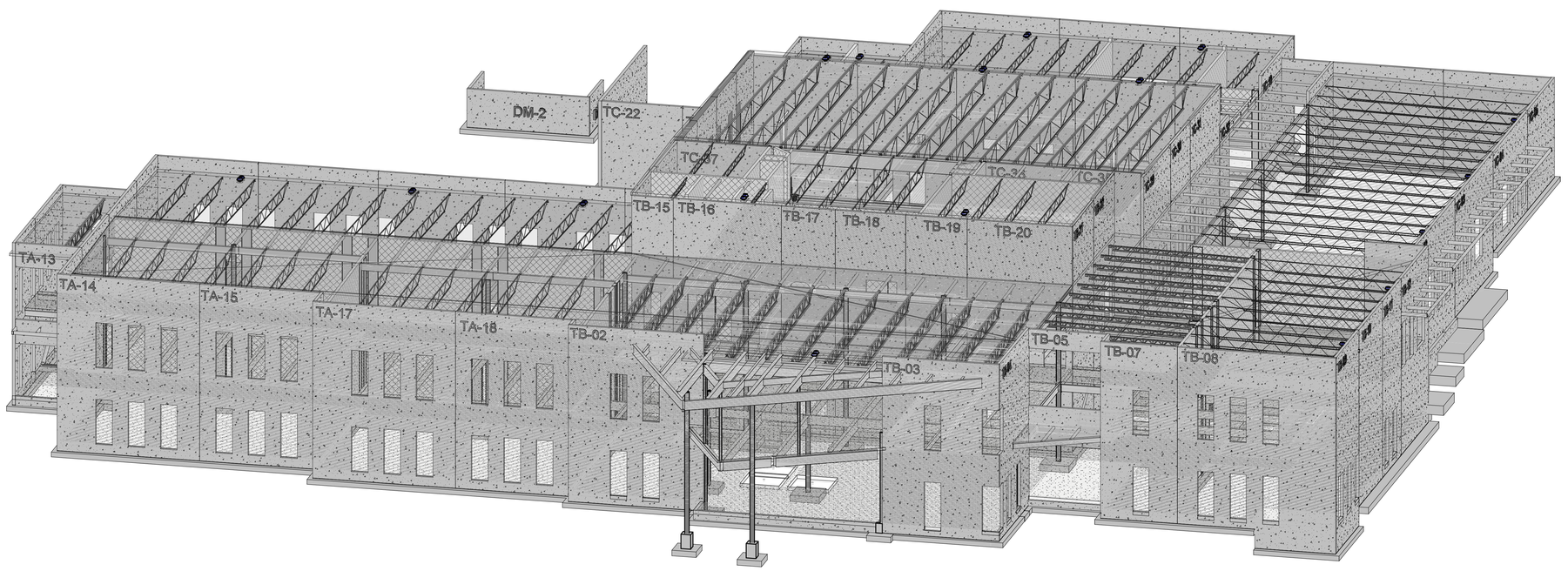
SNOW DRIFT NOTE

MARKS AND SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FOOTING DESIGNATION / TOP OF FOOTING ELEVATION
- INDICATES CONCRETE WALL. DASHED WALLS STOP AT DECK
- INDICATES MASONRY WALL. DASHED WALLS STOP AT DECK
- DEPRESS FOUNDATION WALL AND POUR SLAB OVER. SEE DETAIL 14/S501 AND 8/S502
- INDICATES CONCRETE TILT-UP WALL PANEL. DASHED WALLS STOP AT DECK
- INDICATES STRUCTURAL WALL ABOVE.
- INDICATES CONCRETE SANDWICH TILT-UP WALL PANEL. DASHED WALLS STOP AT DECK
- FSx.x — INDICATES SPOT FOOTING. SEE SCHEDULE ON SHEET S601
- FTSx.x — INDICATES THICKENED SLAB FOOTING. SEE SCHEDULE ON SHEET S601
- FCx.x — INDICATES CONTINUOUS FOOTING. SEE SCHEDULE ON SHEET S601
- C.J. — INDICATES CONTROL / CONSTRUCTION JOINT, SEE DETAIL(S) 4/S501 AND 5/S501
- CP-x — INDICATES CONCRETE PIER. SEE SCHEDULE ON SHEET S601
- INDICATES POUR STRIP
- INDICATES RECESSED SLAB. RECESS SHALL NOT EXCEED 3/4". SEE ARCHITECTURAL DRAWINGS FOR SLOPES AND CONFIGURATION.
- CW-x — INDICATES CONCRETE FOUNDATION WALL TYPE, SEE SCHEDULE ON SHEET S601
- CW-x/MW-x — INDICATES MASONRY WALL (AND TYPE) OVER CONCRETE WALL (AND TYPE). SEE SCHEDULES ON SHEET(S) S601 S602
- MW-x — INDICATES MASONRY WALL TYPE. SEE SCHEDULE ON SHEET S602
- TT — DESIGNATES CONCRETE TILT-UP WALL PANEL. SEE SCHEDULE AND ELEVATIONS ON SHEET(S) S201-S209
- INDICATES LOCATION OF TILT-UP PANEL FOOTING CONNECTION EMBED PLATE, SEE DETAIL
- INDICATES LOCATION OF TILT-UP PANEL EMBEDS FOR CONNECTION TO ADJACENT PANEL. SEE DETAILS
- S — S — INDICATES FOOTING STEP, SEE DETAIL 8/S501
- INDICATES ELEVATION OFFSET, SEE DETAILS
- MCJ — INDICATES MASONRY CONTROL JOINT, SEE DETAIL 2/S502
- ML-x — INDICATES MASONRY LINTEL TYPE. SEE SCHEDULE ON SHEET S602
- MP-x — INDICATES MASONRY PIER TYPE. SEE SCHEDULE ON SHEET S602
- INDICATES KICKER, SEE DETAIL
- SC-x — INDICATES STEEL COLUMN, SEE SCHEDULE ON SHEET S603
- [DBE-x'] — INDICATES TOP OF STEEL ELEVATION RELATIVE TO DECK BEARING ELEVATION
- (HSS) — INDICATES HSS BLOCKING BETWEEN JOISTS. SEE DETAILS
- W_x_ (x) CPX' — INDICATES COMPOSITE STEEL BEAM. SEE GENERAL STRUCTURAL NOTES
- _K ("*") — INDICATES K-SERIES JOIST WITH ALLOWABLE TOTAL LOAD / ALLOWABLE LIVE (SNOW) LOAD
- _LH ("*") — INDICATES LH-SERIES JOIST WITH ALLOWABLE TOTAL LOAD / ALLOWABLE LIVE (SNOW) LOAD
- INDICATES JOIST TOP CHORD TIES. SEE DETAIL 14/S522
- T=Cx — INDICATES ADDITIONAL TOP CHORD ALLOWABLE LOAD. DUE TO SEISMIC. NO 1/3 INCREASE ALLOWED
- R.D. — INDICATES ROOF DRAIN. SEE DETAIL 2/S521
- RTU — INDICATES ROOF MECHANICAL UNIT AND WEIGHT OF UNIT
- INDICATES CONCRETE OVER METAL FLOOR DECK. SEE GENERAL STRUCTURAL NOTES
- INDICATES CONCRETE TYPE / INDICATES TOTAL SLAB THICKNESS
- XWF+6W — INDICATES DECK GAGE / INDICATES DECK THICKNESS / INDICATES DECK TYPE
- INDICATES METAL ROOF DECK. SEE GENERAL STRUCTURAL NOTES
- INDICATES DECK TYPE
- XW — INDICATES DECK THICKNESS / INDICATES DECK GAGE

STRUCTURAL SHEET LIST

Sheet Number	Sheet Name
S001	GENERAL STRUCTURAL NOTES
S002	GENERAL STRUCTURAL NOTES
S003	SPECIAL INSPECTIONS
S010	LEGENDS AND NOTES
S101	FOOTING AND FOUNDATION REFERENCE PLAN
S101a	FOOTING AND FOUNDATION PLAN - AREA 'A'
S101b	FOOTING AND FOUNDATION PLAN - AREA 'B'
S101c	FOOTING AND FOUNDATION PLAN - AREA 'C'
S111	LEVEL 2 REFERENCE FLOOR PLAN
S111a	LEVEL 2 FLOOR PLAN - AREA 'A'
S111b	LEVEL 2 FLOOR PLAN - AREA 'B'
S111c	LEVEL 2 FLOOR PLAN - AREA 'C'
S121	ROOF REFERENCE PLAN
S121a	ROOF FRAMING PLAN - AREA 'A'
S121b	ROOF FRAMING PLAN - AREA 'B'
S121c	ROOF FRAMING PLAN - AREA 'C'
S201	TILT-UP DETAILS
S202	TILT-UP PANEL ELEVATIONS
S203	TILT-UP PANEL ELEVATIONS
S204	TILT-UP PANEL ELEVATIONS
S205	TILT-UP PANEL ELEVATIONS
S206	TILT-UP PANEL ELEVATIONS
S207	TILT-UP PANEL ELEVATIONS
S208	TILT-UP PANEL ELEVATIONS
S209	TILT-UP PANEL ELEVATIONS
S210	TILT-UP PANEL ELEVATIONS
S501	DETAILS
S502	DETAILS
S503	DETAILS
S511	DETAILS
S512	DETAILS
S513	DETAILS
S521	DETAILS
S522	DETAILS
S523	DETAILS
S524	DETAILS
S601	SCHEDULES
S602	SCHEDULES
S603	SCHEDULES



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03/24/2025
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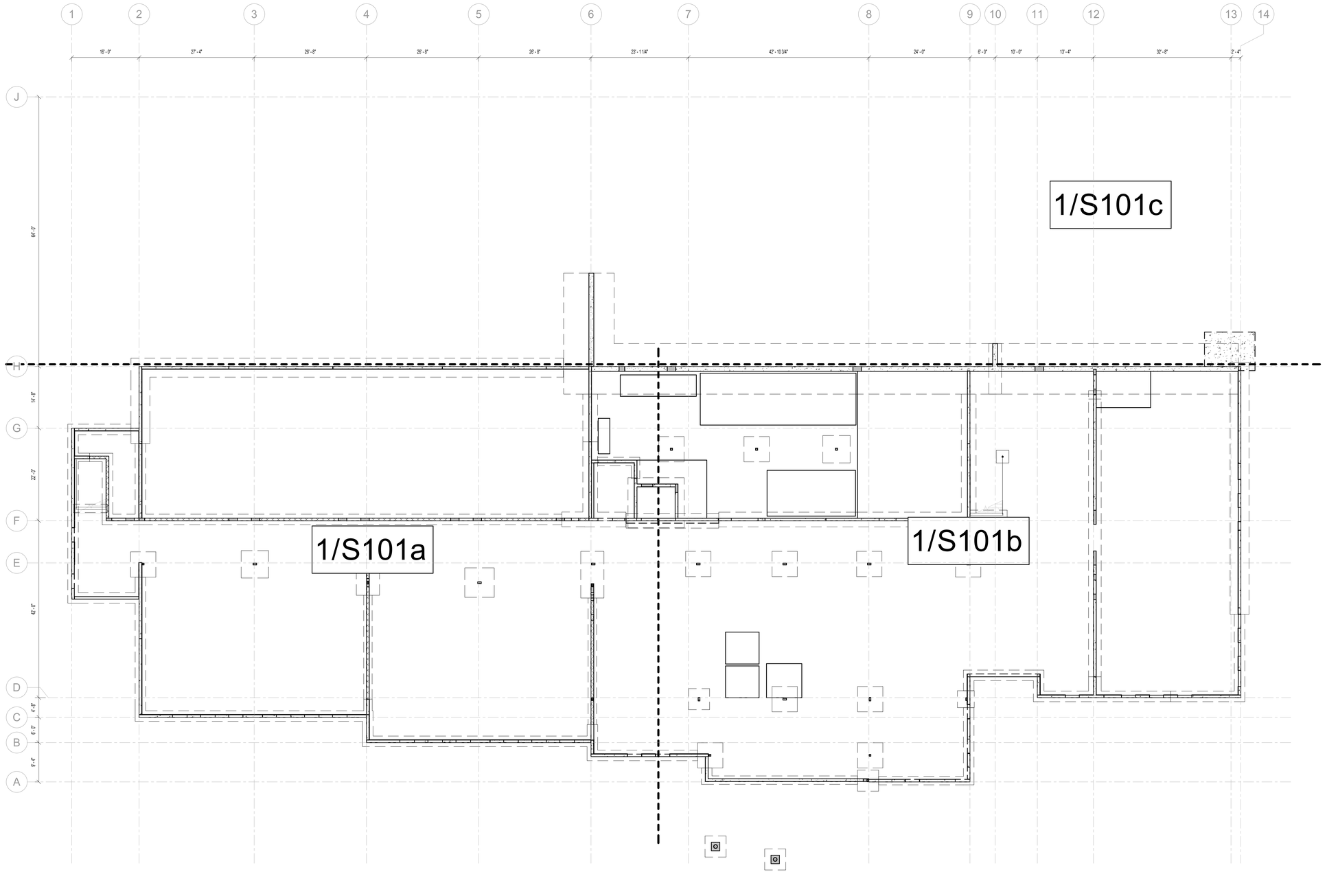
LEGENDS AND NOTES

S010



1 OVERALL FOOTING AND FOUNDATION PLAN

1" = 10'-0"

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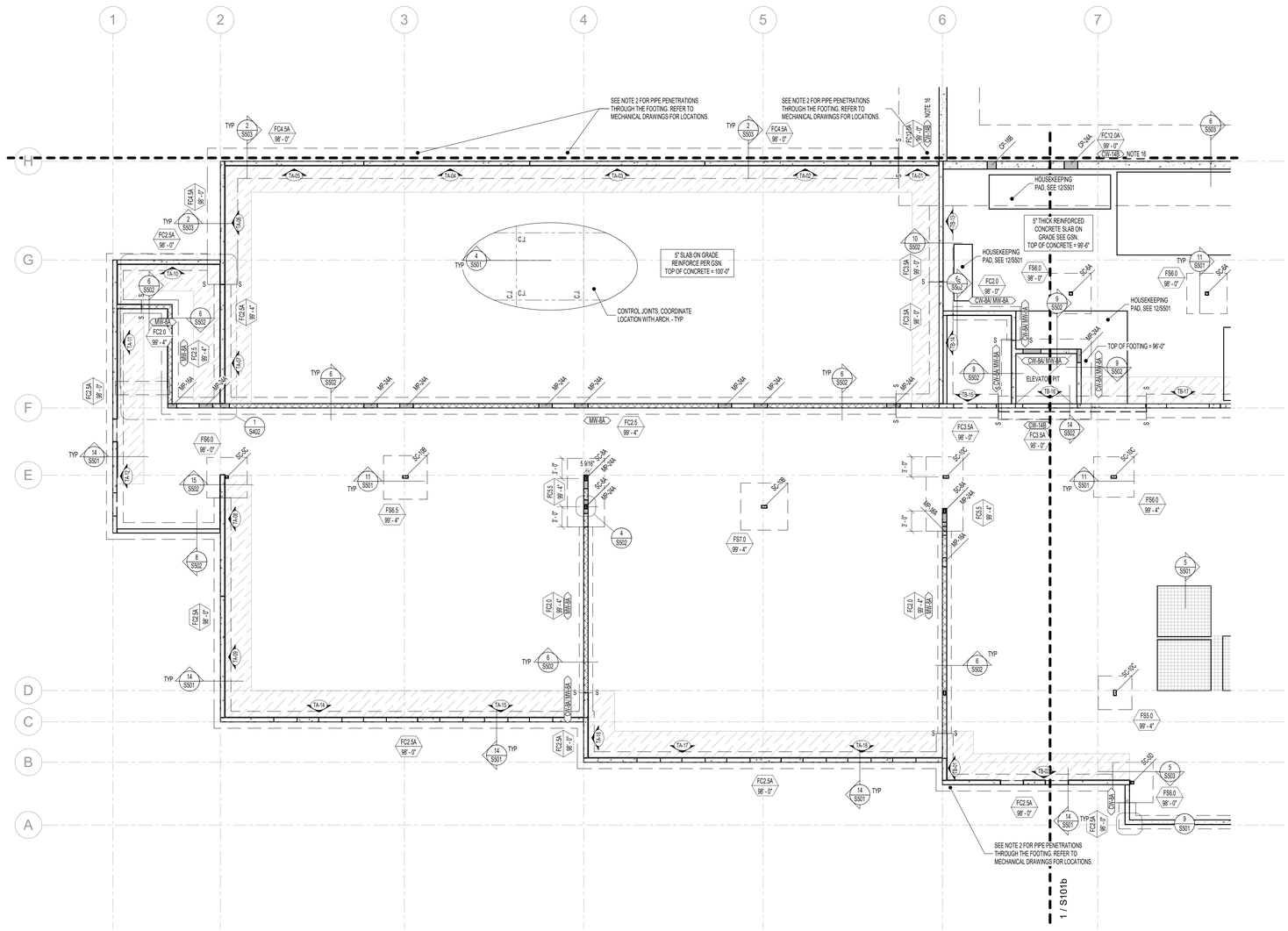
FOOTING AND FOUNDATION REFERENCE PLAN

S101



1 FOOTING AND FOUNDATION PLAN - AREA 'A'

1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

FOOTING AND FOUNDATION PLAN NOTES

1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
4. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
5. SEE DETAILS 1/S501 AND 2/S501 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE DETAIL 4/S501 FOR TYPICAL CONTROL/CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
7. SEE DETAIL 7/S501 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
8. SEE DETAIL 1/S503 FOR CONDITION AT RECESSES IN MASONRY WALLS.
9. SEE DETAIL 2/S502 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
10. SEE DETAIL 3/S502 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
11. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
12. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
13. AT COOLING TOWER SUPPORT BEAMS, CONTRACTOR SHALL CONFIRM BEAM SPACING WITH COOLING TOWER REQUIREMENTS PRIOR TO INSTALLATION.
14. SEE DETAIL 5/S502 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN MASONRY WALLS.
15. SEE DETAIL 10/S501 FOR ADDITIONAL REINFORCING AT MISELLANEOUS OPENINGS IN CONCRETE WALLS.
16. PROVIDE 14" WIDE/24" DEEP KEYWAY BELOW CONCRETE FOOTING REINFORCED WITH #5 AT 12" O.C. SEE DETAILS 7/S502, 13/S502 AND 6/S503.

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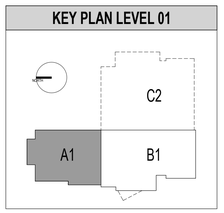
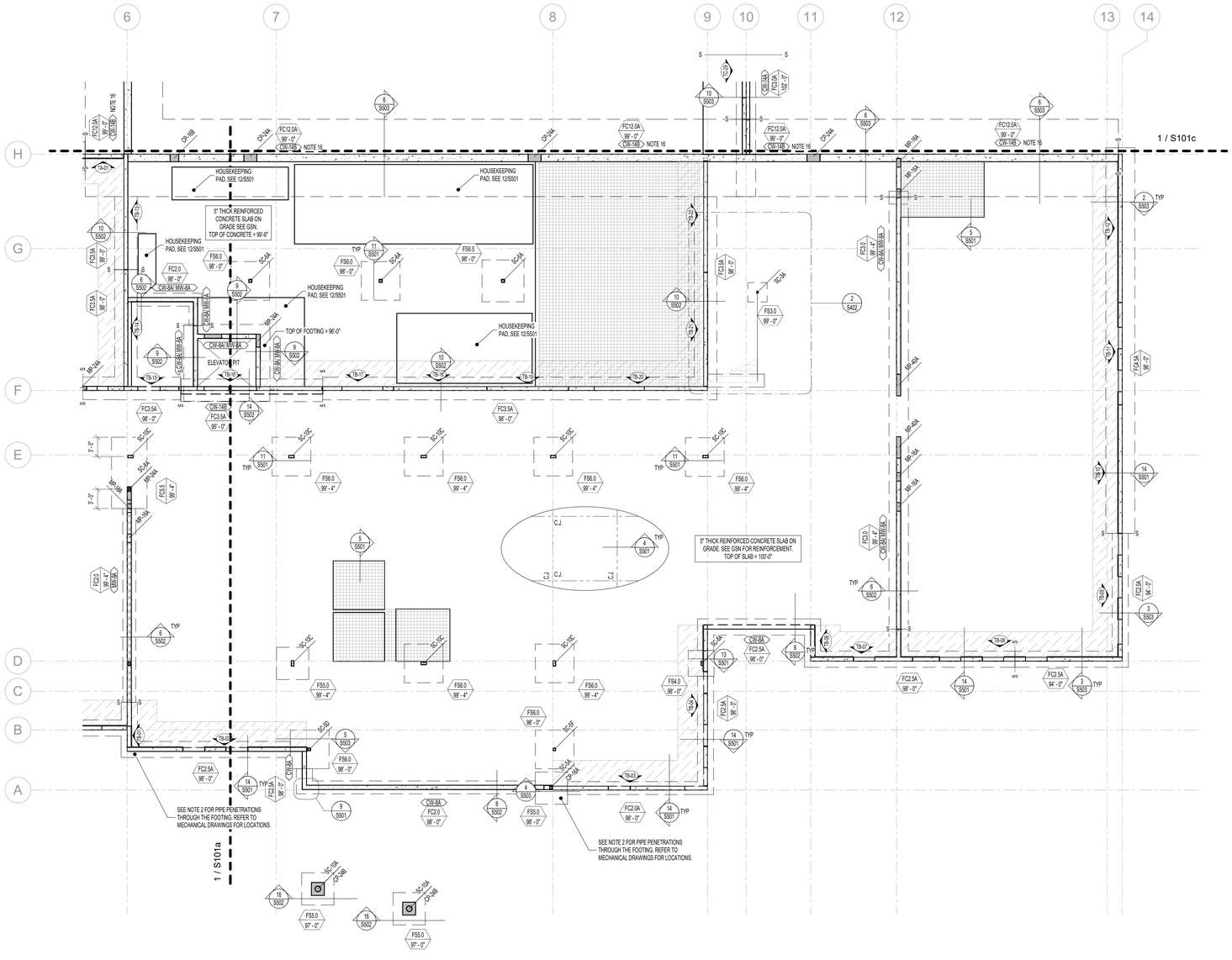
DATE REVISION

KEY PLAN LEVEL 01



FOOTING AND FOUNDATION PLAN - AREA 'A'

S101a



1 FOOTING AND FOUNDATION PLAN - AREA 'B'

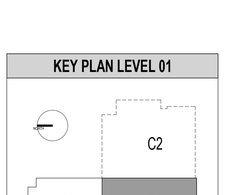
1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

FOOTING AND FOUNDATION PLAN NOTES

1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
4. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
5. SEE DETAILS 1/S501 AND 2/S501 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE DETAIL 4/S501 FOR TYPICAL CONTROL/CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
7. SEE DETAIL 7/S501 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
8. SEE DETAIL 1/S502 FOR CONDITION AT RECESSES IN MASONRY WALLS.
9. SEE DETAIL 2/S502 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
10. SEE DETAIL 3/S502 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
11. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
12. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
13. AT COOLING TOWER SUPPORT BEAMS, CONTRACTOR SHALL CONFIRM BEAM SPACING WITH COOLING TOWER REQUIREMENTS PRIOR TO INSTALLATION.
14. SEE DETAIL 5/S502 FOR ADDITIONAL REINFORCING AT MISELLANEOUS OPENINGS IN MASONRY WALLS.
15. SEE DETAIL 10/S501 FOR ADDITIONAL REINFORCING AT MISELLANEOUS OPENINGS IN CONCRETE WALLS.
16. PROVIDE 14" WIDE x24" DEEP KEYWAY BELOW CONCRETE FOOTING REINFORCED WITH #5 AT 12" O.C. SEE DETAILS 7/S502, 13/S502 AND 6/S503.

KEY PLAN LEVEL 01



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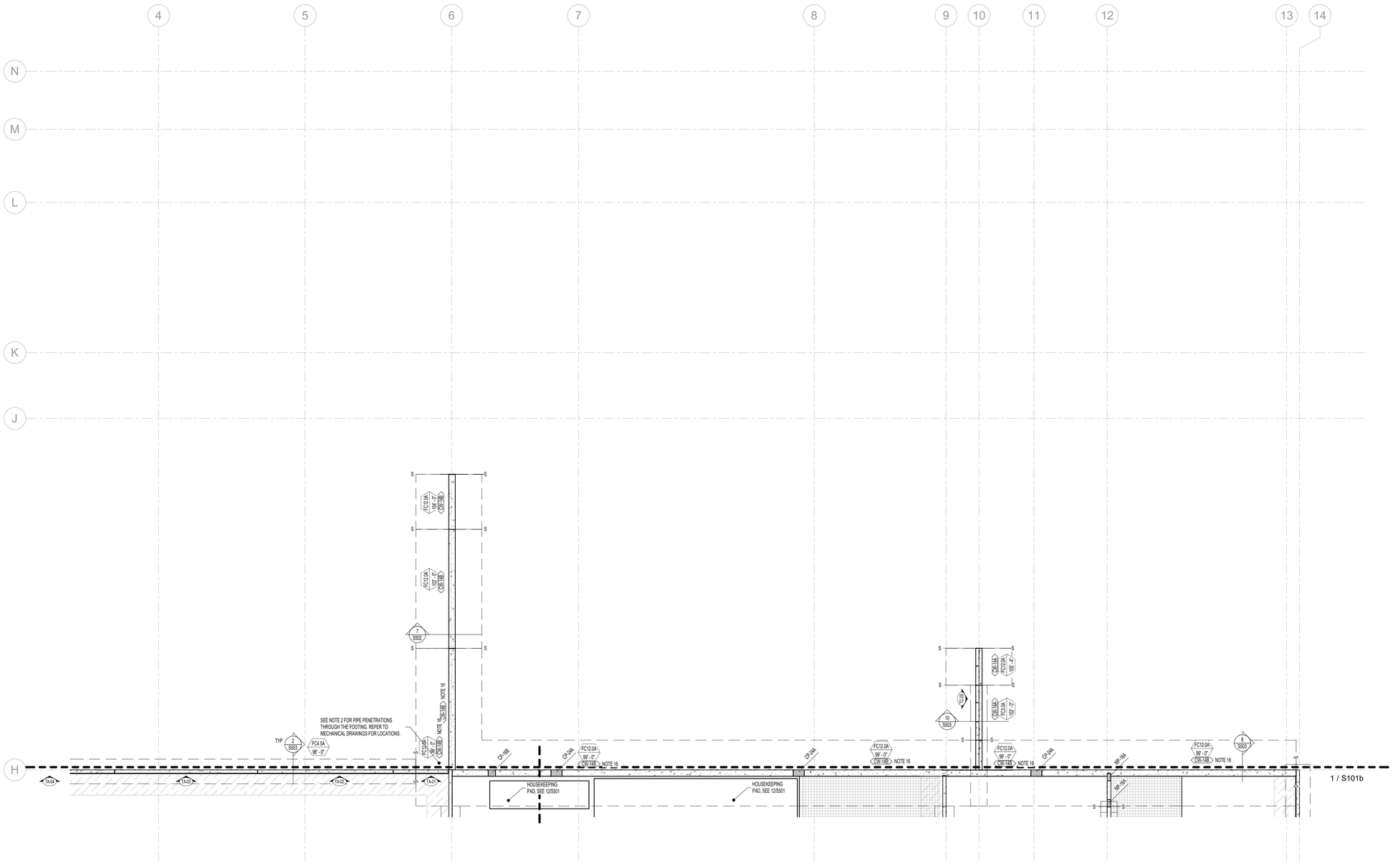
FOOTING AND FOUNDATION PLAN - AREA 'B'

S101b



1 FOOTING AND FOUNDATION PLAN - AREA 'C'

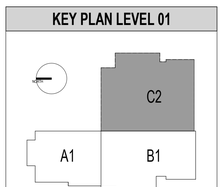
1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

FOOTING AND FOUNDATION PLAN NOTES

1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
4. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
5. SEE DETAILS 1/SS01 AND 2/SS01 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE DETAIL 4/SS01 FOR TYPICAL CONTROL/CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
7. SEE DETAIL 7/SS01 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
8. SEE DETAIL 1/SS02 FOR CONDITION AT RECESSES IN MASONRY WALLS.
9. SEE DETAIL 2/SS02 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
10. SEE DETAIL 3/SS02 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
11. SEE DETAIL 16/SS01 FOR ANCHORAGE OF HOUSEKEEPING PADS.
12. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
13. AT COOLING TOWER SUPPORT BEAMS, CONTRACTOR SHALL CONFIRM BEAM SPACING WITH COOLING TOWER REQUIREMENTS PRIOR TO INSTALLATION.
14. SEE DETAIL 5/SS02 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN MASONRY WALLS.
15. SEE DETAIL 10/SS01 FOR ADDITIONAL REINFORCING AT MISELLANEOUS OPENINGS IN CONCRETE WALLS.
16. PROVIDE 14" WIDE x24" DEEP KEYWAY BELOW CONCRETE FOOTING REINFORCED WITH #5 AT 12" O.C. SEE DETAILS 7/SS02, 13/SS02 AND 6/SS03.

KEY PLAN LEVEL 01



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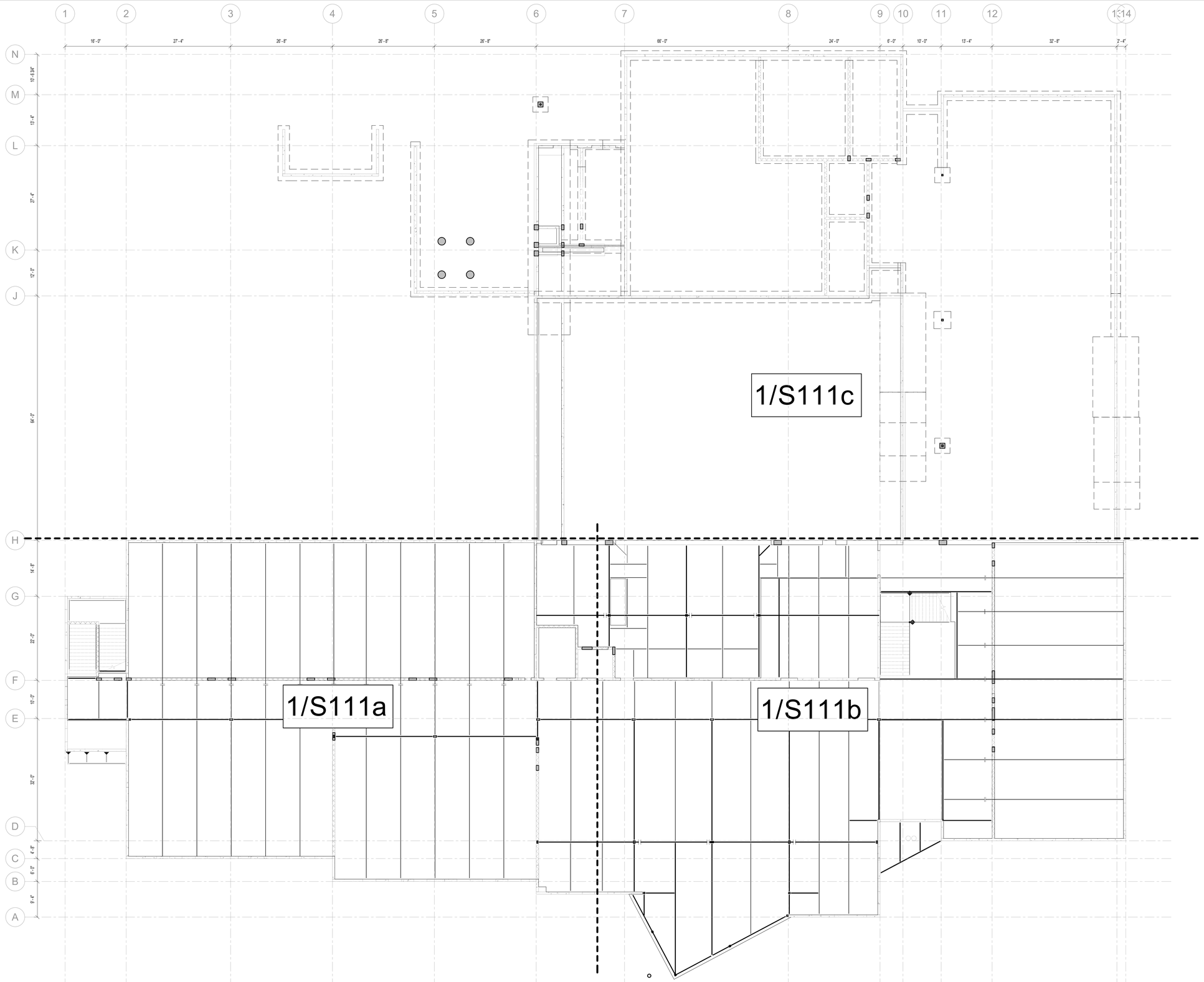
FOOTING AND FOUNDATION PLAN - AREA 'C'

S101c



1 OVERALL LEVEL 2 FLOOR FRAMING PLAN
1" = 10'-0"

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84318

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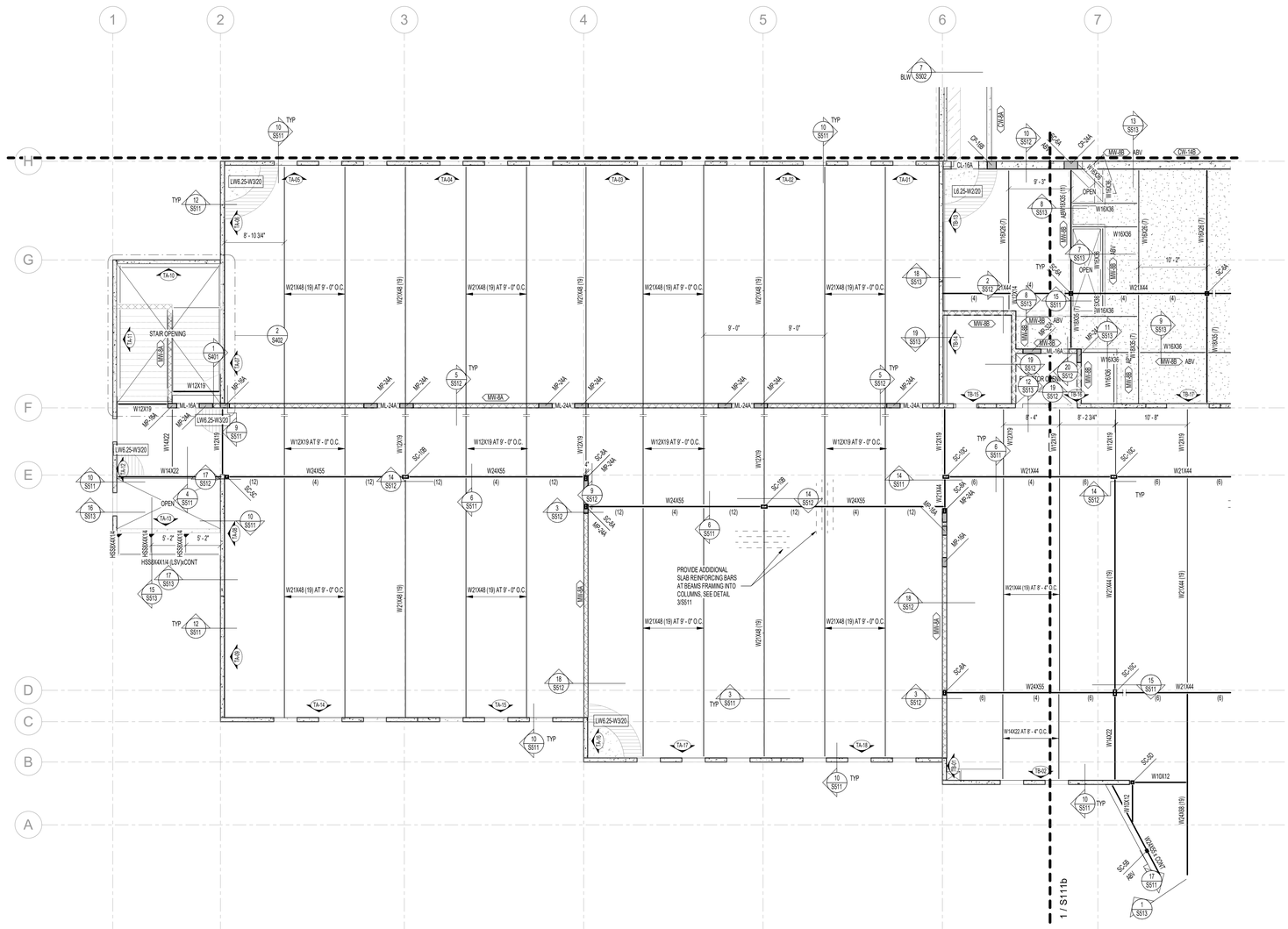
ISSUE DATE	03/24/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

LEVEL 2 REFERENCE FLOOR PLAN

S111



1 LEVEL 2 FLOOR FRAMING PLAN - AREA 'A'

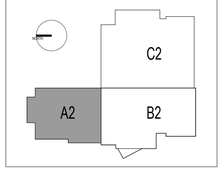
1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

FLOOR FRAMING PLAN NOTES

1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE DETAILS 1/S511 AND 2/S511 FOR FRAMING AROUND ALL OPENINGS.
3. SEE DETAIL 5/S511 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
4. SEE DETAIL 7/S511 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS.
5. COORDINATE SIZE AND LOCATION OF ALL MECHANICAL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
6. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
8. HATCHED AREA INDICATES CONCRETE SLAB OVER GEOFOAM FOR RAISED SLAB. SEE ARCH FOR ELEVATION AND EXTENTS.

KEY PLAN LEVEL 01



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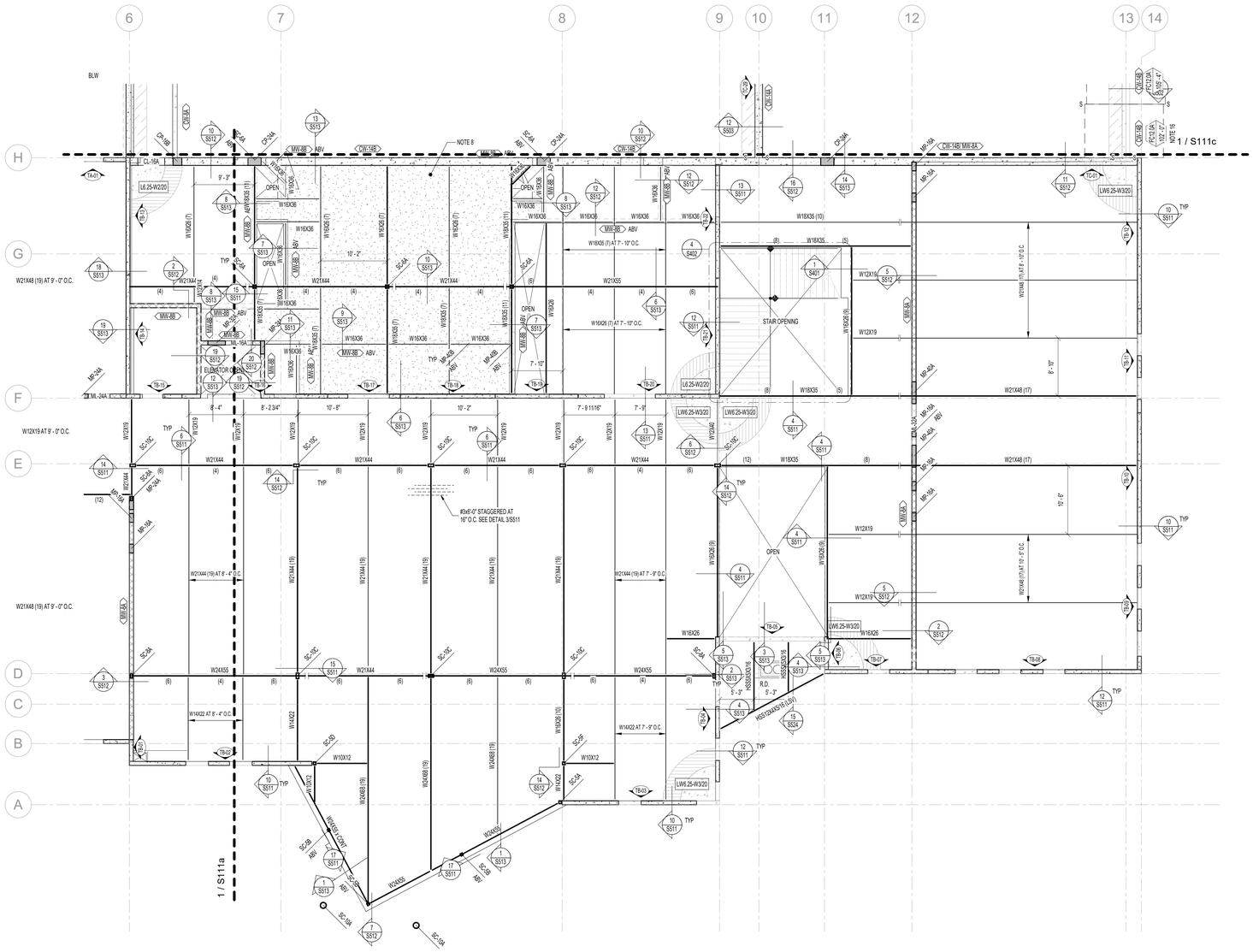
LEVEL 2 FLOOR PLAN - AREA 'A'

S111a



1 LEVEL 2 FLOOR FRAMING PLAN - AREA 'B'

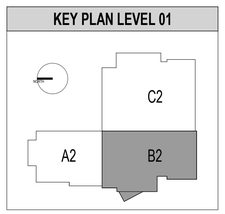
1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

FLOOR FRAMING PLAN NOTES

1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE DETAILS 1/S511 AND 2/S511 FOR FRAMING AROUND ALL OPENINGS.
3. SEE DETAIL 5/S511 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
4. SEE DETAIL 7/S511 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS.
5. COORDINATE SIZE AND LOCATION OF ALL MECHANICAL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
6. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
8. HATCHED AREA INDICATES CONCRETE SLAB OVER GEOFOAM FOR RAISED SLAB. SEE ARCH FOR ELEVATION AND EXTENTS.

KEY PLAN LEVEL 01



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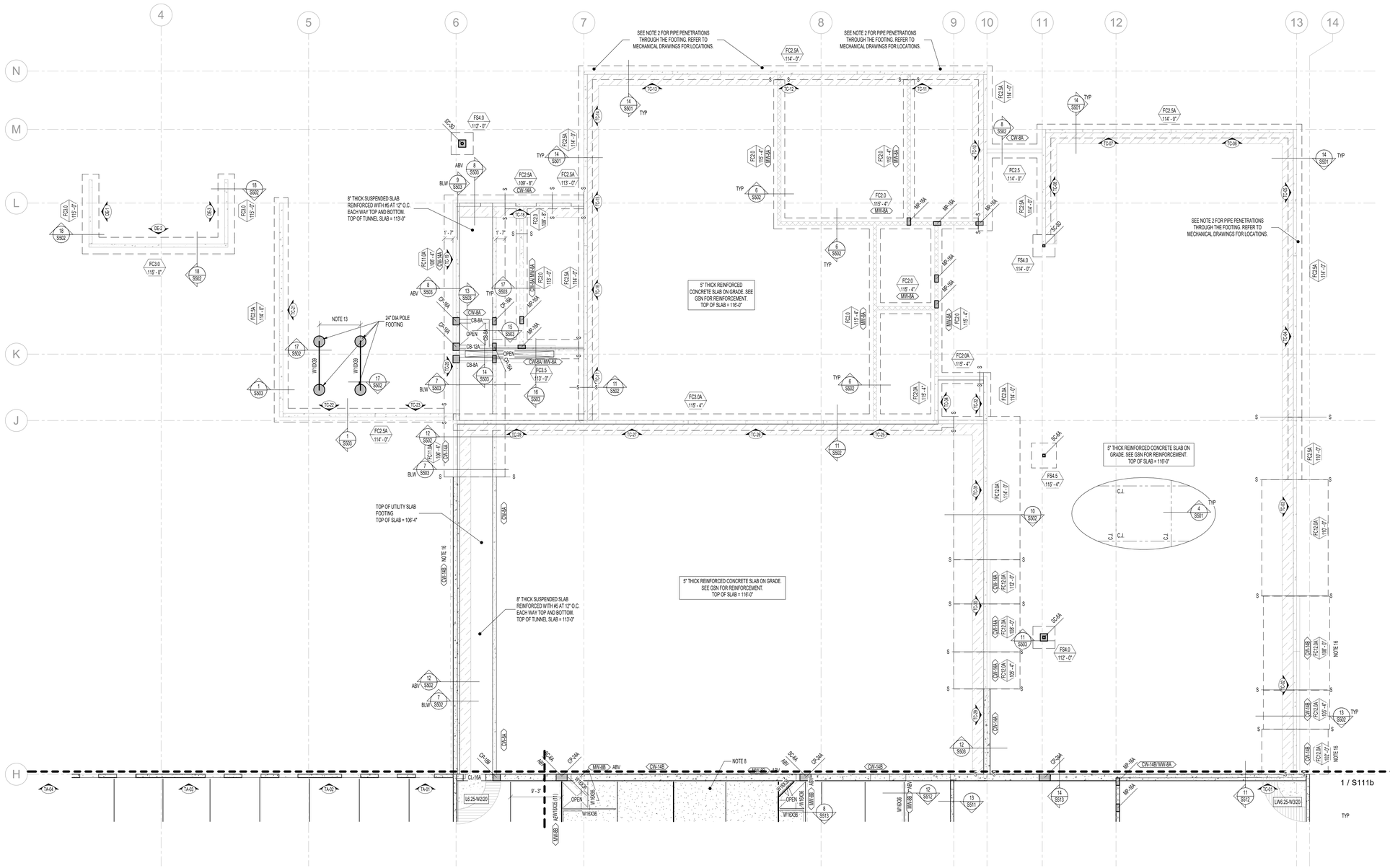
LEVEL 2 FLOOR PLAN - AREA 'B'

S111b



1 LEVEL 2 FLOOR FRAMING PLAN - AREA 'C'

1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

FOOTING AND FOUNDATION PLAN NOTES

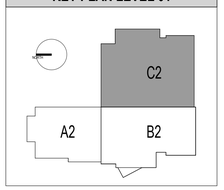
1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
4. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO)
5. SEE DETAILS 1/S501 AND 2/S501 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE DETAIL 4/S501 FOR TYPICAL CONTROL/CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
7. SEE DETAIL 7/S501 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
8. SEE DETAIL 1/S502 FOR CONDITION AT RECESSES IN MASONRY WALLS.
9. SEE DETAIL 2/S502 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
10. SEE DETAIL 3/S502 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
11. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
12. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
13. AT COOLING TOWER SUPPORT BEAMS, CONTRACTOR SHALL CONFIRM BEAM SPACING WITH COOLING TOWER REQUIREMENTS PRIOR TO INSTALLATION.
14. SEE DETAIL 5/S502 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN MASONRY WALLS.
15. SEE DETAIL 10/S501 FOR ADDITIONAL REINFORCING AT MISELLANEOUS OPENINGS IN CONCRETE WALLS.
16. PROVIDE 14" WIDEx24" DEEP KEYWAY BELOW CONCRETE FOOTING REINFORCED WITH #5 AT 12" O.C. SEE DETAILS 7/S502, 13/S502 AND 6/S503.

SEE S010 FOR LEGENDS AND SYMBOLS

FLOOR FRAMING PLAN NOTES

1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE DETAILS 1/S511 AND 2/S511 FOR FRAMING AROUND ALL OPENINGS.
3. SEE DETAIL 5/S511 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
4. SEE DETAIL 7/S511 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS.
5. COORDINATE SIZE AND LOCATION OF ALL MECHANICAL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
6. SEE DETAIL 16/S501 FOR ANCHORAGE OF HOUSEKEEPING PADS.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
8. HATCHED AREA INDICATES CONCRETE SLAB OVER GEOFOAM FOR RAISED SLAB. SEE ARCH FOR ELEVATION AND EXTENTS.

KEY PLAN LEVEL 01



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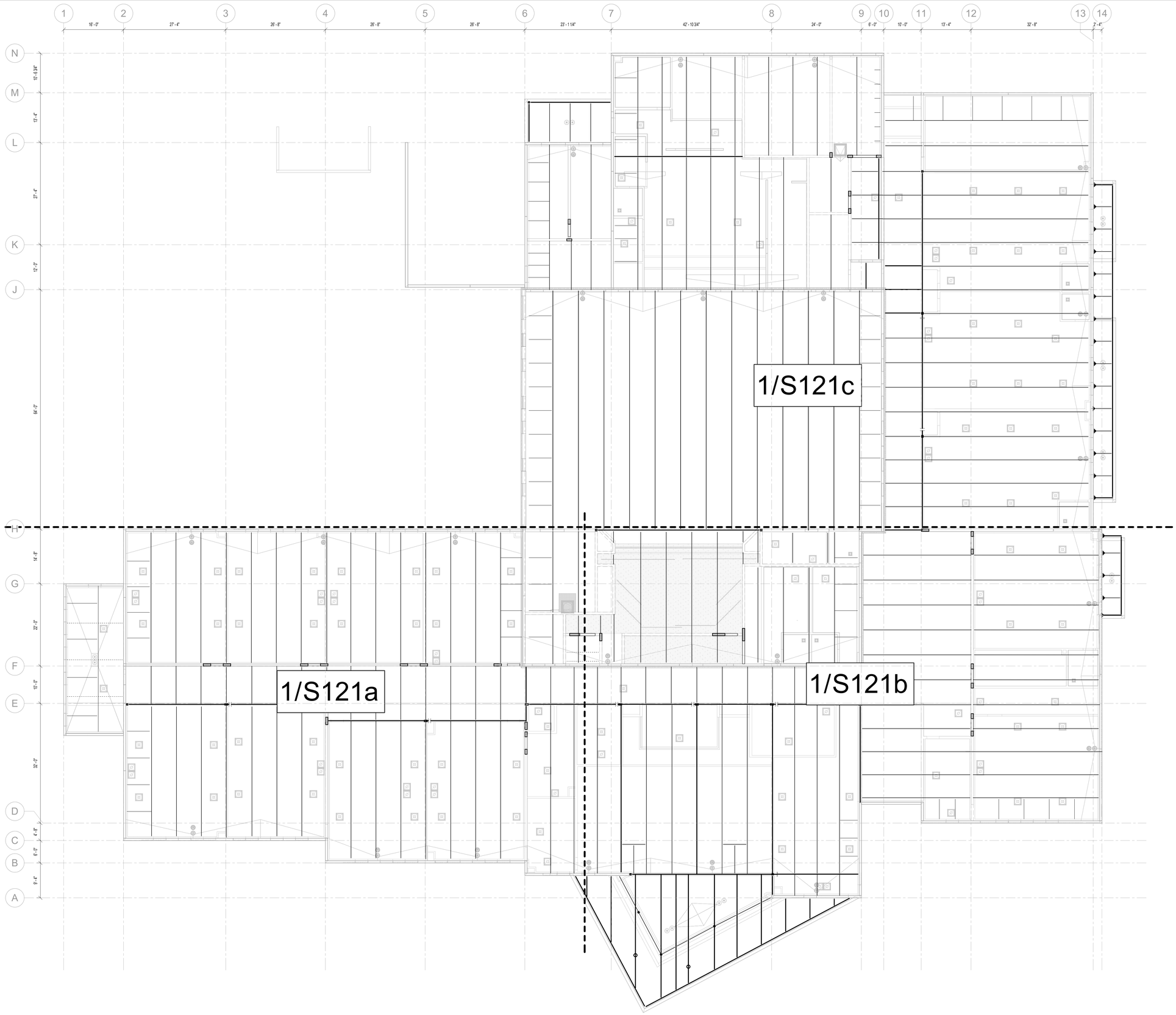
LEVEL 2 FLOOR PLAN - AREA 'C'

S111c



1 OVERALL ROOF FRAMING PLAN
1" = 10'-0"

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STATE OF UTAH
03/24/2025
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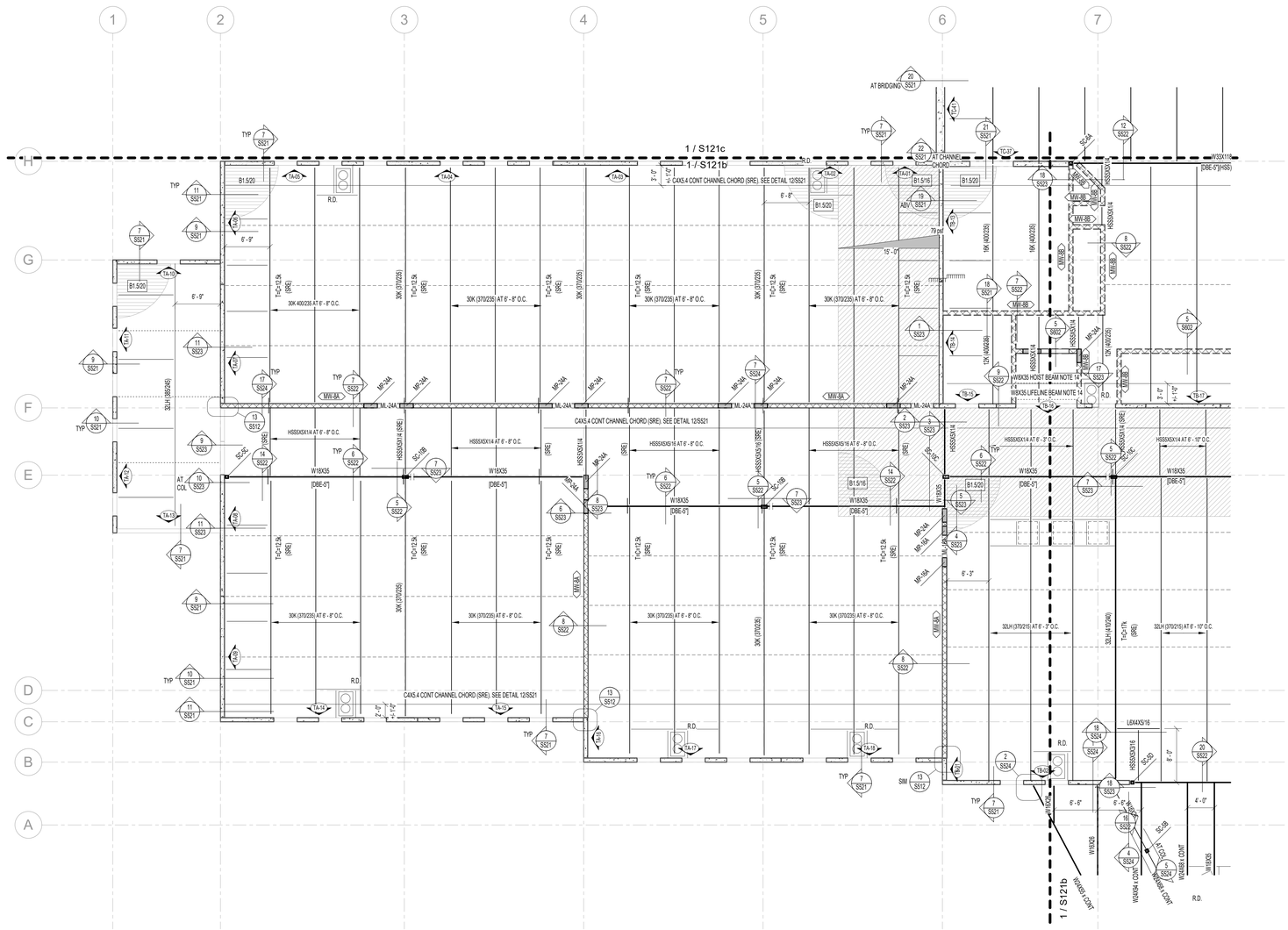
ROOF REFERENCE PLAN

S121



1 ROOF FRAMING PLAN - AREA 'A'

1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

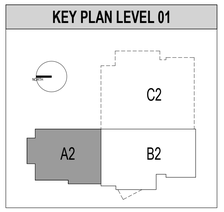
ROOF FRAMING DESIGN LOADS

ROOF LOADS	JOIST	GIRDER
ROOFING	1.0 psf	1.0 psf
INSULATION	2.0 psf	2.0 psf
STEEL DECK	2.2 psf	2.2 psf
STEEL JOISTS	3.0 psf	3.0 psf
STEEL GIRDERS	0 psf	2.5 psf
ELECTRICAL	1.0 psf	1.0 psf
MECHANICAL	2.0 psf	2.0 psf
SPRINKLERS	3.8 psf	1.3 psf
COLLATERAL LOAD	5.0 psf	5.0 psf
SNOW LOAD	35 psf	35 psf
TOTAL LOAD	55 psf	55 psf

ROOF FRAMING NOTES

1. VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. JOIST SUPPLIER SHALL DESIGN ALL ROOF JOIST BEARING ENDS AT TILT-UP WALLS TO TRANSFER 6800# (ALLOWABLE) AXIAL LOAD THROUGH JOIST BEARING SHOE.
3. ALL JOISTS SHALL HAVE 5" DEEP BEARING ENDS (UNO).
4. ALL JOIST GIRDERS SHALL HAVE 7 1/2" DEEP BEARING ENDS (UNO).
5. ALL ROOF OPENINGS GREATER THAN, OR EQUAL TO, 12" x 12" SHALL BE FRAMED AS INDICATED IN DETAILS 1/SS21 AND 2/SS21. FOR OPENINGS WHICH CUT LESS THAN TWO DECK FLUTES, SEE DETAIL 3/SS21.
6. SEE DETAIL 4/SS21 WHEN CONCENTRATED LOADS ARE LOCATED MORE THAN 6" FROM JOIST OR JOIST GIRDER PANEL POINT.
7. SEE DETAIL 5/SS21 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
8. SEE DETAIL 6/SS21 FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
9. SEE DETAIL 5/SS11 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
10. OPEN WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
11. JOIST BRIDGING SHOWN ON PLANS IS FOR REPRESENTATION ONLY; ACTUAL SIZE, QUANTITY, AND LOCATION WILL BE DETERMINED BY THE JOIST SUPPLIER PER 'SJI' REQUIREMENTS. ALL BRIDGING AND BRIDGING ANCHORS NEED TO BE IN PLACE BEFORE APPLYING ANY LOADS. WHERE SKYLIGHT OR MECHANICAL UNITS/DUCTS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE OF THE OPENING. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING AFTER ROOF DECK IS IN PLACE.
12. JOIST DESIGNER SHALL DESIGN JOISTS AND GIRDERS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR UPLIFT DUE TO WIND. ASSUME:
    - 0.6DL = 12psf
    - 0.6WL = 24psf (UPLIFT)
    - 12psf NET UPLIFT (ASD)
    - NO 1/3 STRESS INCREASE ALLOWED.
13. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.
14. CONTRACTOR TO COORDINATE TOP OF HOIST BEAM AND LIFELINE BEAM ELEVATION WITH ELEVATOR SUPPLIER REQUIREMENTS.
15. STEEL ROOF JOIST SUPPORTING PARTITION DOOR SHALL BE DESIGNED FOR A 10 PSF PARTITION DEAD LOAD. ROOF JOISTS SHALL BE DESIGNED FOR A LIVE LOAD DEFLECTION OF 0/600 OR 1" MAX.

KEY PLAN LEVEL 01



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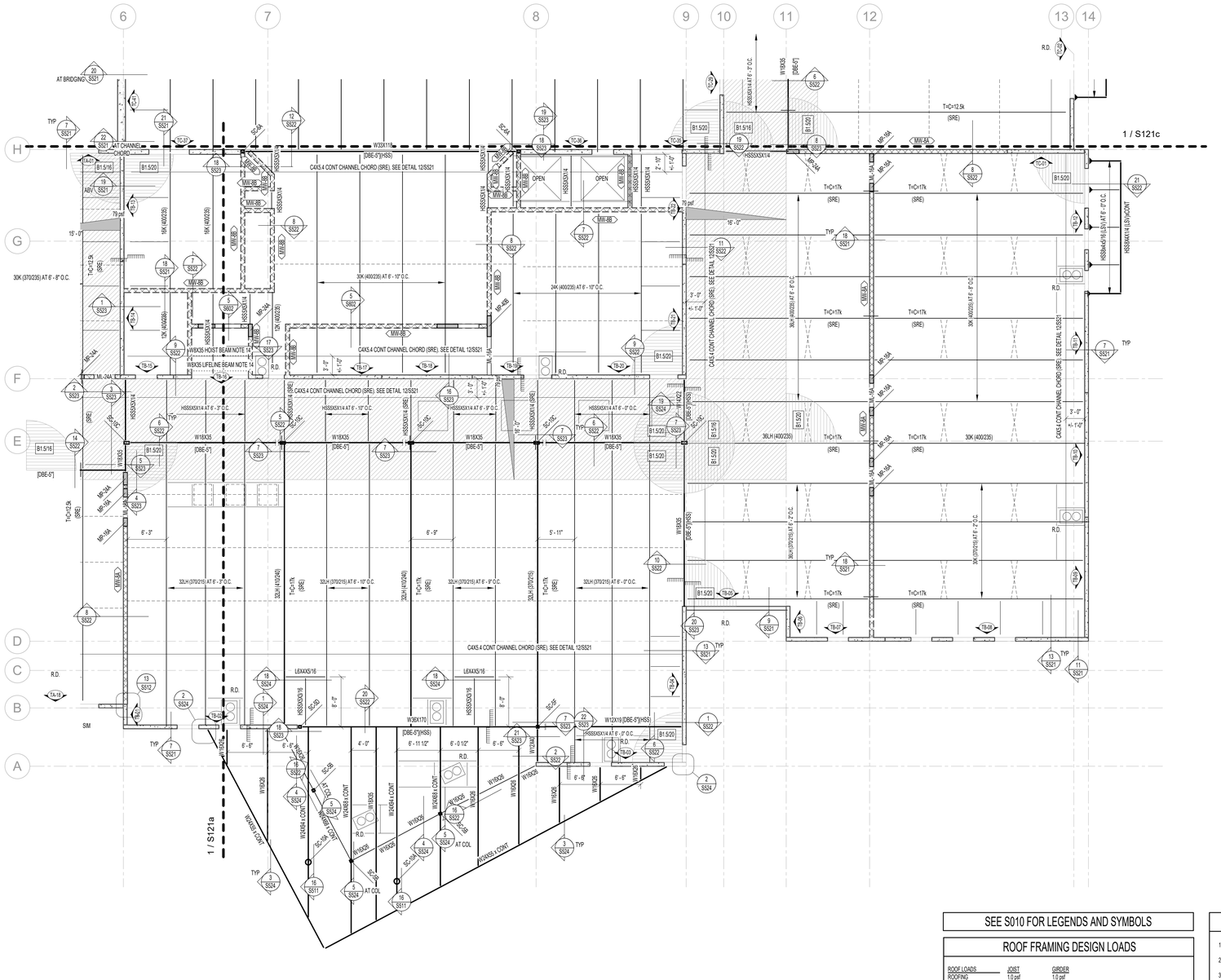
ROOF FRAMING PLAN - AREA 'A'

S121a



1 ROOF FRAMING PLAN - AREA 'B'

1/8" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

SEE S010 FOR LEGENDS AND SYMBOLS

ROOF FRAMING DESIGN LOADS

ROOF LOADS	JOIST	GIRDER
ROOFING	1.0 psf	1.0 psf
INSULATION	2.0 psf	2.0 psf
STEEL DECK	2.2 psf	2.2 psf
STEEL JOISTS	3.0 psf	3.0 psf
STEEL GIRDERS	0 psf	2.5 psf
ELECTRICAL	1.0 psf	1.0 psf
MECHANICAL	2.0 psf	2.0 psf
SPRINKLERS	3.8 psf	1.3 psf
COLLATERAL LOAD	5.0 psf	5.0 psf
SNOW LOAD	35 psf	35 psf
TOTAL LOAD	55 psf	55 psf

ROOF FRAMING NOTES

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2. JOIST SUPPLIER SHALL DESIGN ALL ROOF JOIST BEARING ENDS AT TILT-UP WALLS TO TRANSFER 6800# (ALLOWABLE) AXIAL LOAD THROUGH JOIST BEARING SHOE.
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8. SEE DETAIL 6/SS21 FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
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11. JOIST BRIDGING SHOWN ON PLANS IS FOR REPRESENTATION ONLY. ACTUAL SIZE, QUANTITY, AND LOCATION WILL BE DETERMINED BY THE JOIST SUPPLIER PER 'SJI' REQUIREMENTS. ALL BRIDGING AND BRIDGING ANCHORS NEED TO BE IN PLACE BEFORE APPLYING ANY LOADS. WHERE SKYLIGHT OR MECHANICAL UNITS/DUCTS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE OF THE OPENING. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING AFTER ROOF DECK IS IN PLACE.
12. JOIST DESIGNER SHALL DESIGN JOISTS AND GIRDERS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR UPLIFT DUE TO WIND. ASSUME:
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    - NO 1/3 STRESS INCREASE ALLOWED.
13. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.
14. CONTRACTOR TO COORDINATE TOP OF HOIST BEAM AND LIFELINE BEAM ELEVATION WITH ELEVATOR SUPPLIER REQUIREMENTS.
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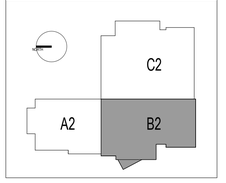
KEY PLAN LEVEL 01



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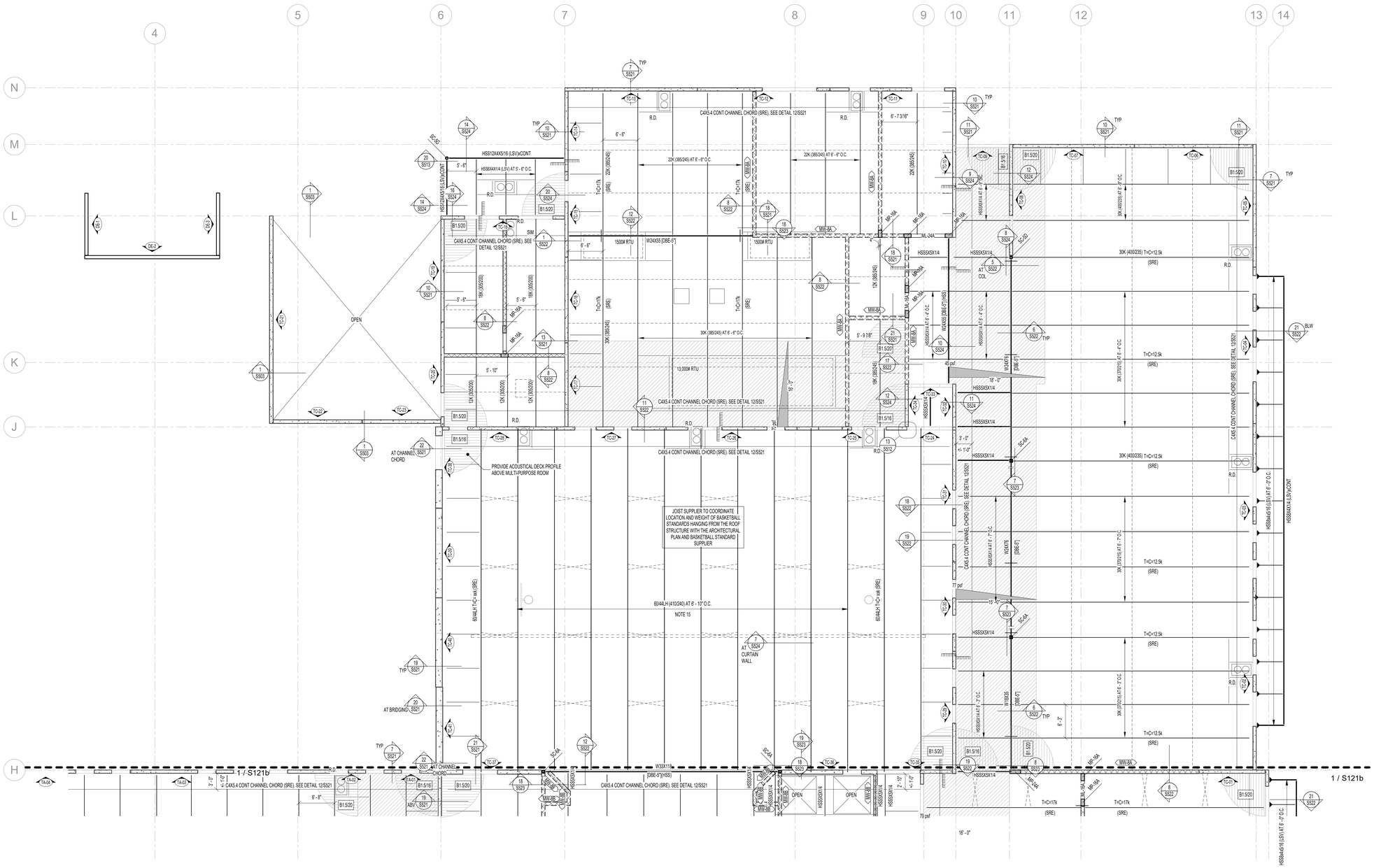
ROOF FRAMING PLAN - AREA 'B'

S121b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M
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D
C
B
A
1 / S121b
1 / S121b
C4X5.4 CONT CHANNEL CHORD (SRE). SEE DETAIL 12/SS21
HSS12X4X5/16 (LSV)xCONT
HSS6X4X1/4 (LSV) AT 5' - 6" O.C.
22K (385/245) AT 6' - 8" O.C.
30K (385/245) AT 6' - 6" O.C.
1500# RTU
13,000# RTU
W24X55 [DBE-5"]
W33X115
[DBE-5"](HSS)
OPEN
PROVIDE ACOUSTICAL DECK PROFILE ABOVE MULTI-PURPOSE ROOM
JOIST SUPPLIER TO COORDINATE LOCATION AND WEIGHT OF BASKETBALL STANDARDS HANGING FROM THE ROOF STRUCTURE WITH THE ARCHITECTURAL PLAN AND BASKETBALL STANDARD SUPPLIER
60/44LH (410/240) AT 8' - 10" O.C.
NOTE 15
AT CHANNEL CHORD
AT CURTAIN WALL
AT BRIDGING
AT COL
HSSSXSX1/4
W12X79
W10X33
W12X65 [DBE-5"](HSS)
W12X72
W10X39
W12X26
W10X30
W10X49
W10X68
W10X88
W14X74
W14X61
W14X53
W14X43
W14X38
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W18X71
W18X76
W18X86
W18X97
W18X106
W18X119
W21X44
W21X48
W21X55
W21X62
W21X68
W21X73
W21X83
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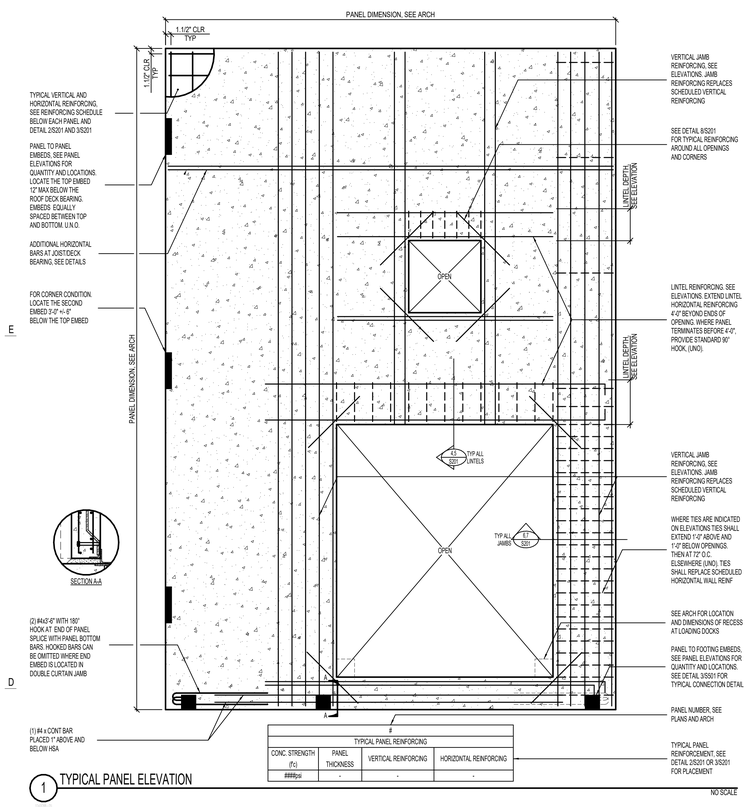
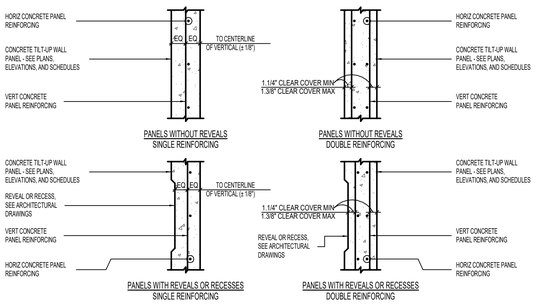
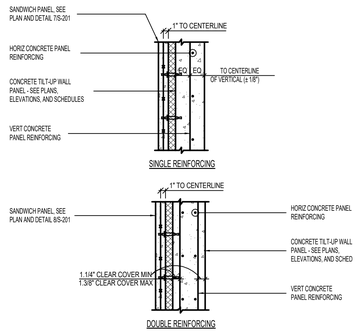


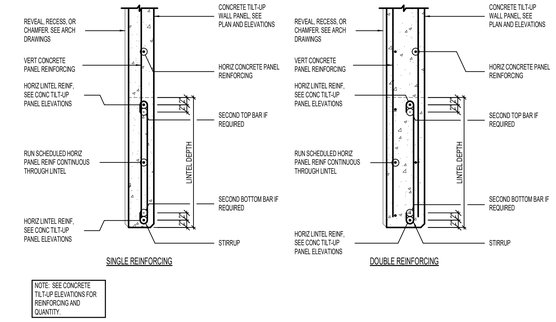
1 TYPICAL PANEL ELEVATION — NO SCALE



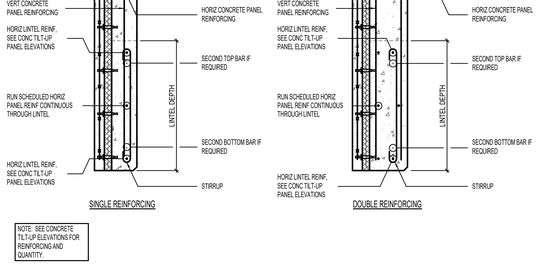
2 TYPICAL PANEL REINFORCING PLACEMENT DIAGRAMS — NO SCALE



3 TYPICAL PANEL REINFORCING PLACEMENT DIAGRAMS — NO SCALE



4 TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM — NO SCALE



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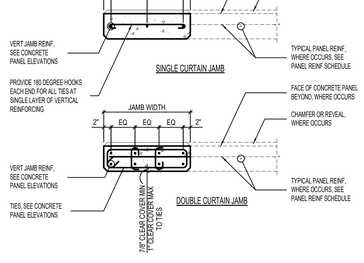
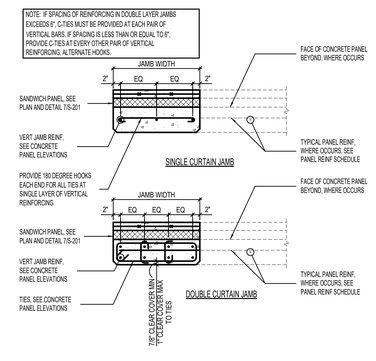
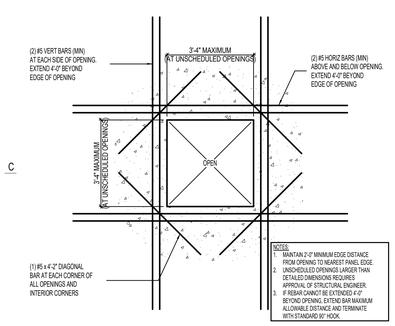


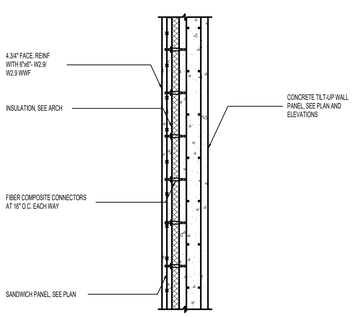
6 CONCRETE TILT-UP PANEL JAMB REINFORCING DETAIL [PLAN VIEW] — NO SCALE



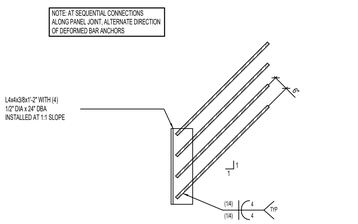
7 CONCRETE TILT-UP PANEL JAMB REINFORCING DETAIL [PLAN VIEW] — NO SCALE



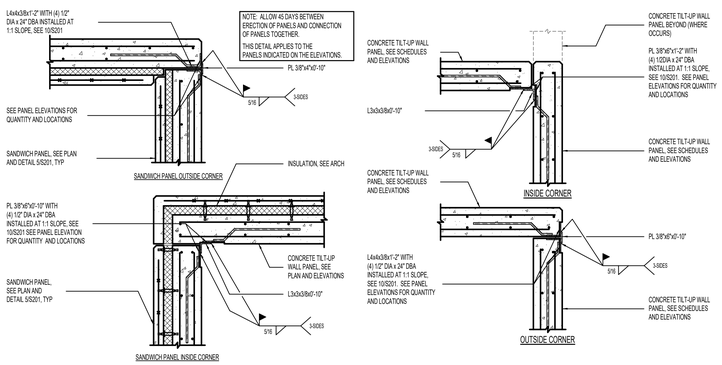
8 MISCELLANEOUS PANEL OPENING REINFORCING — NO SCALE



9 TYPICAL SANDWICH PANEL DETAIL — NO SCALE



10 PANEL-TO-PANEL CONNECTION — NO SCALE



11 TILT CONNECTION DETAILS — NO SCALE

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DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2202
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

△ DATE	REVISION

TILT-UP DETAILS

S201

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LINTEL SCHEDULE

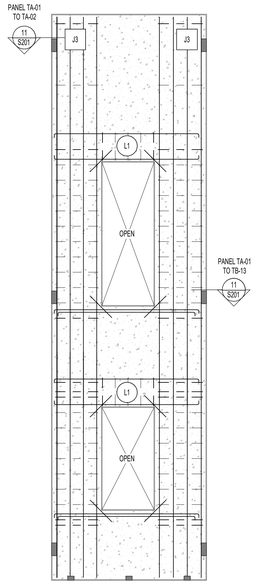
Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

JAMB SCHEDULE

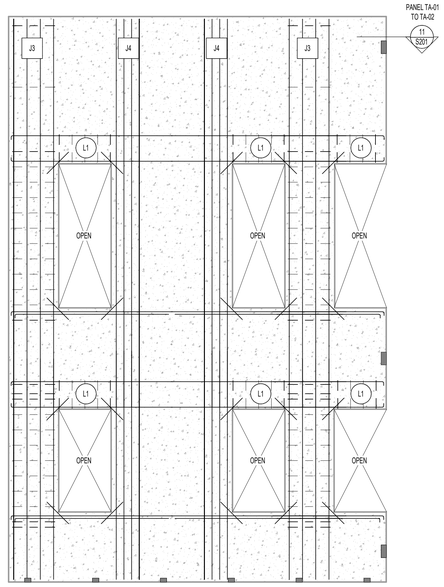
Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

TILT-UP PANEL ELEVATION NOTES

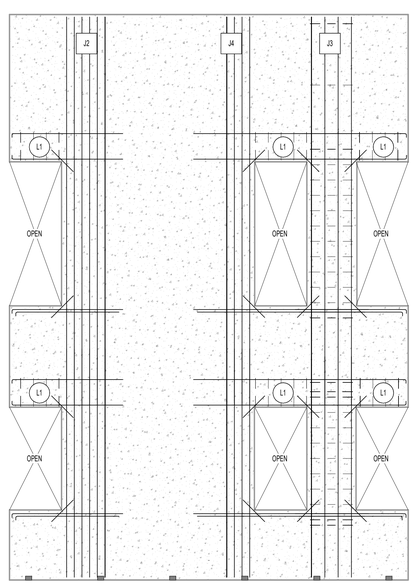
1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.



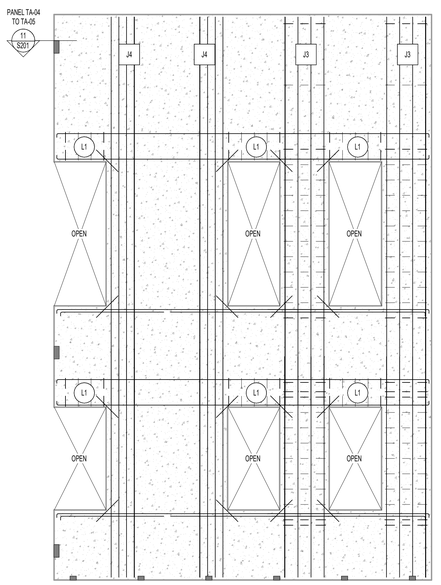
TA-01			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-02			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

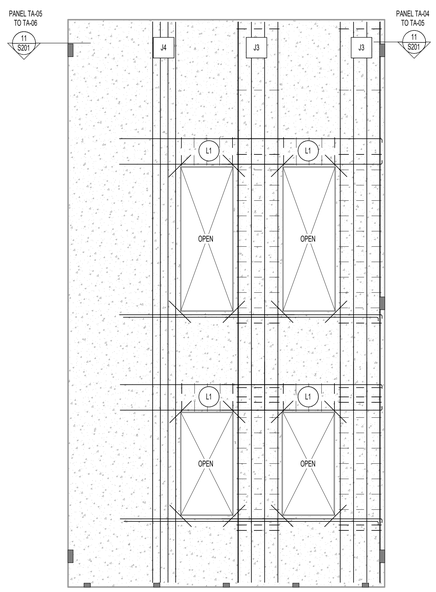


TA-03			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

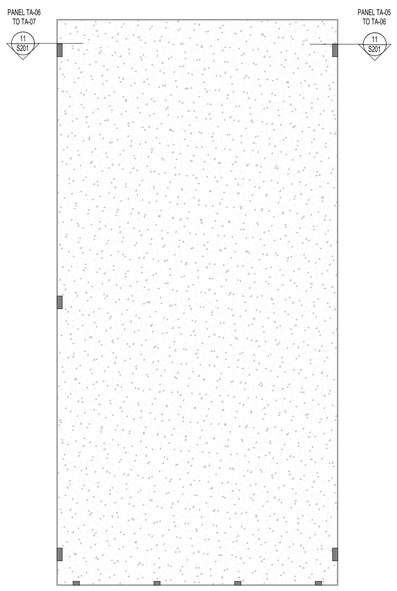


TA-04			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

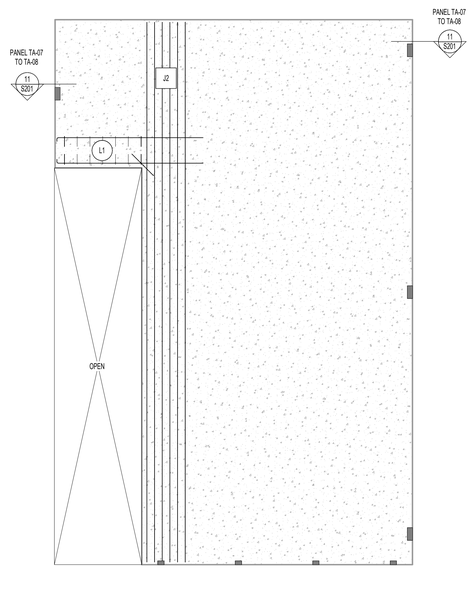
J2



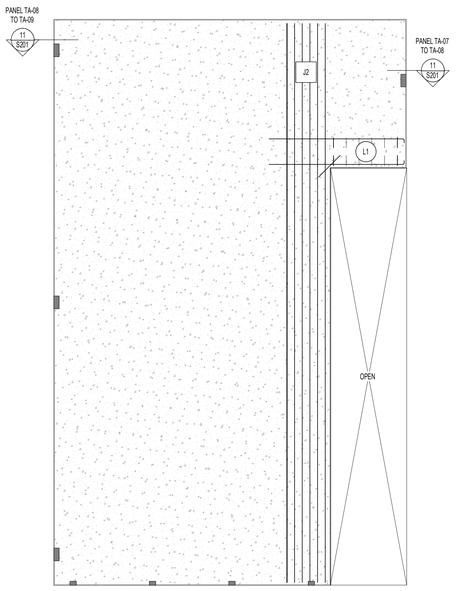
TA-05			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-06			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-07			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-08			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

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DRAWING ISSUE | BID SET
ISSUE DATE | 03/25/2025
NWL PROJECT | 0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2202
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE REVISION

TILT-UP PANEL ELEVATIONS

S202

Tuesday, 3/25/2025 7:44:47 AM

LINTEL SCHEDULE

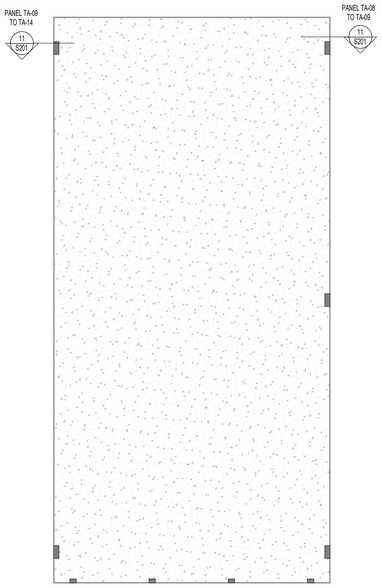
Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

JAMB SCHEDULE

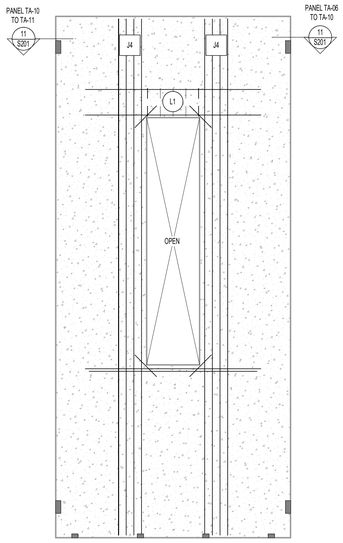
Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

TILT-UP PANEL ELEVATION NOTES

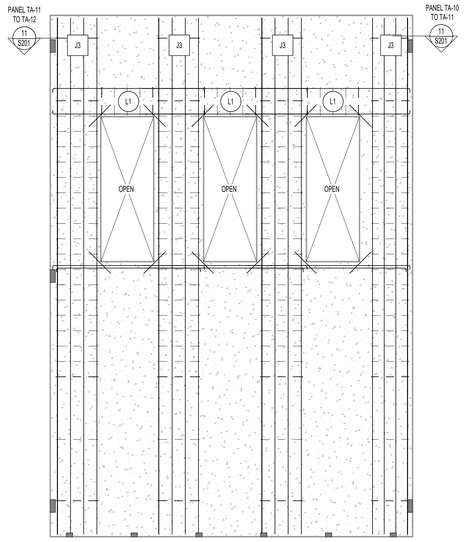
1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.



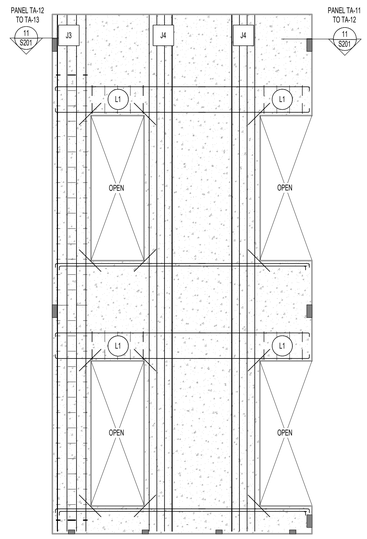
TA-09			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



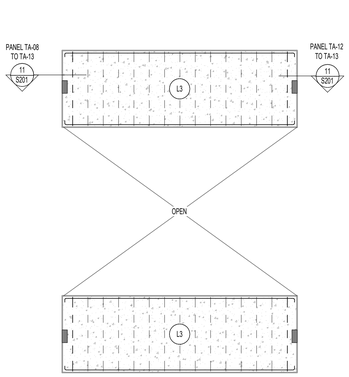
TA-10			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 12" O.C., E.F	#5 AT 18" O.C.



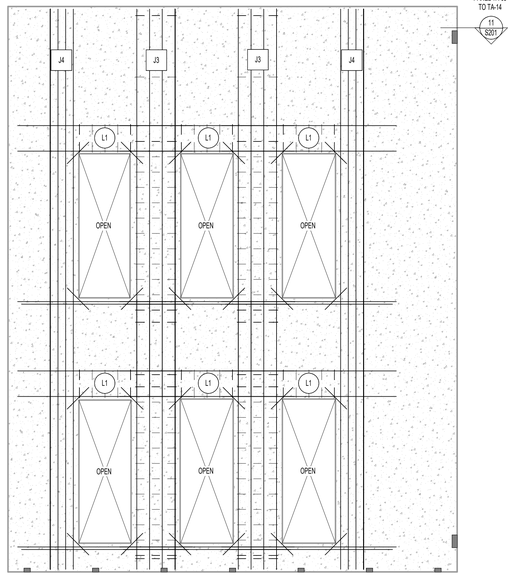
TA-11			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 12" O.C., E.F	#5 AT 18" O.C.



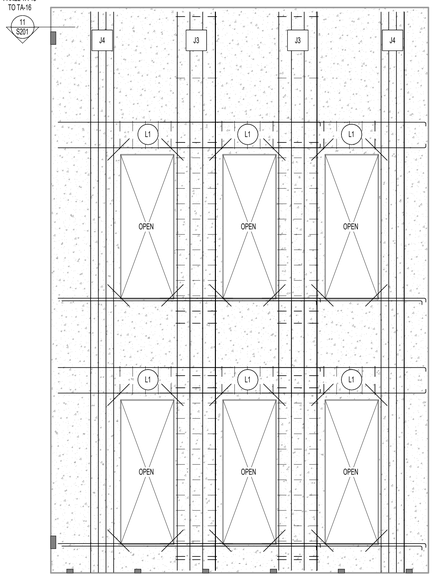
TA-12			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 12" O.C., E.F	#5 AT 18" O.C.



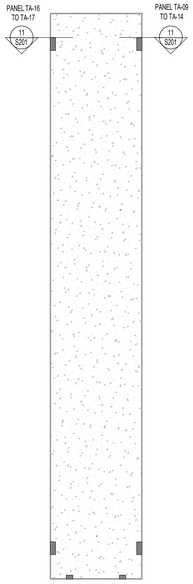
TA-13			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C..	#5 AT 18" O.C.



TA-14			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-15			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TA-16			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

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ISSUE DATE	03/24/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

TILT-UP PANEL ELEVATIONS

S203

Type 455 Copyright Typeface

LINTEL SCHEDULE

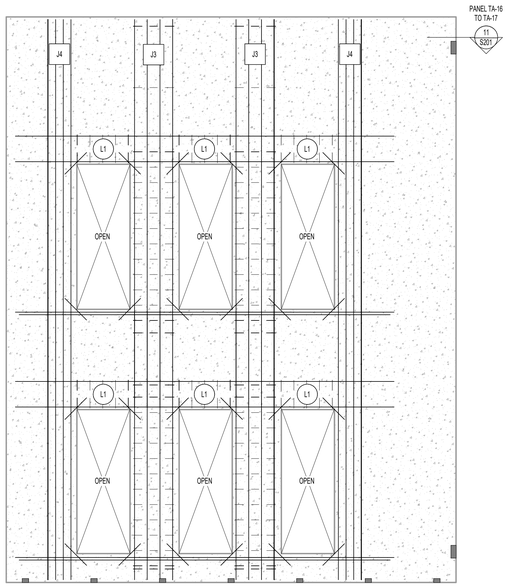
Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

JAMB SCHEDULE

Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

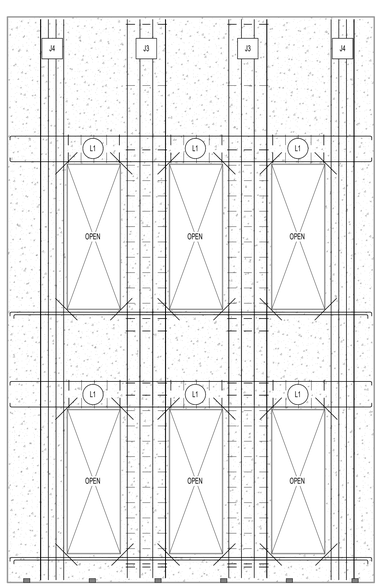
TILT-UP PANEL ELEVATION NOTES

1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.



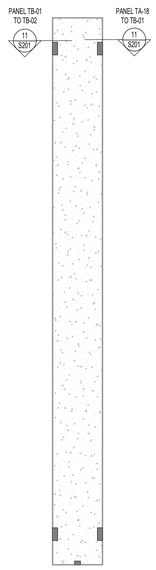
TA-17

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



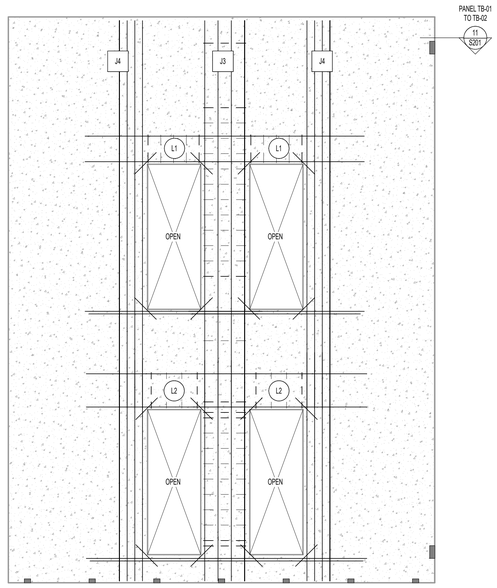
TA-18

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



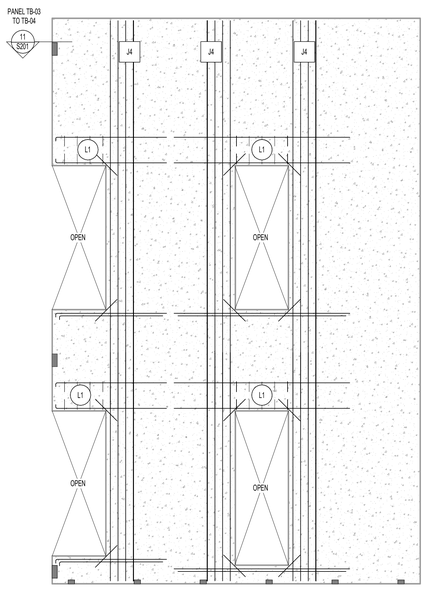
TB-01

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



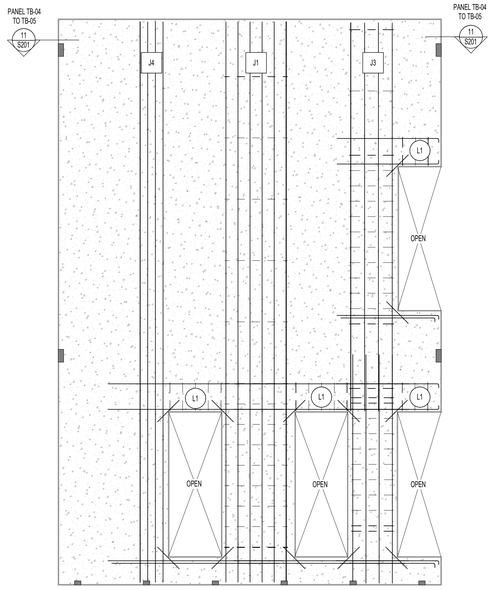
TB-02

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



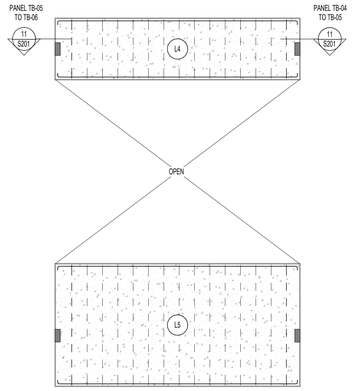
TB-03

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



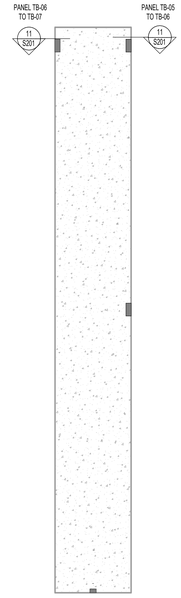
TB-04

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TB-05

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TB-06

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

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a r c h i t e c t s

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Consultants

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333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
WWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2201
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

TILT-UP PANEL ELEVATIONS

S204

Typeset in Adobe Caslon Pro

TILT-UP PANEL ELEVATION NOTES

1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
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7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.

JAMB SCHEDULE

Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 8" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
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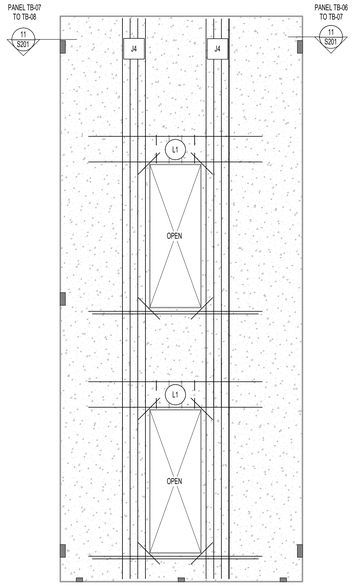
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS

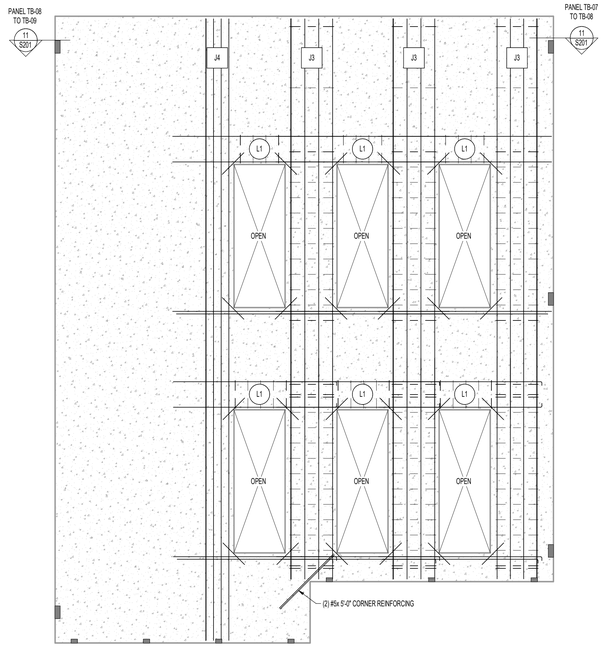
LINTEL SCHEDULE

Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.



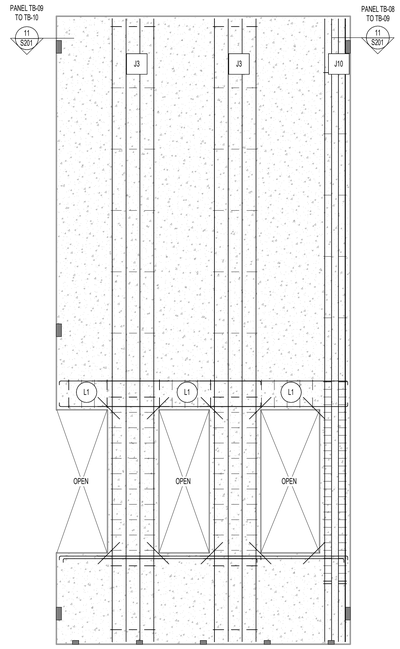
TB-07

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



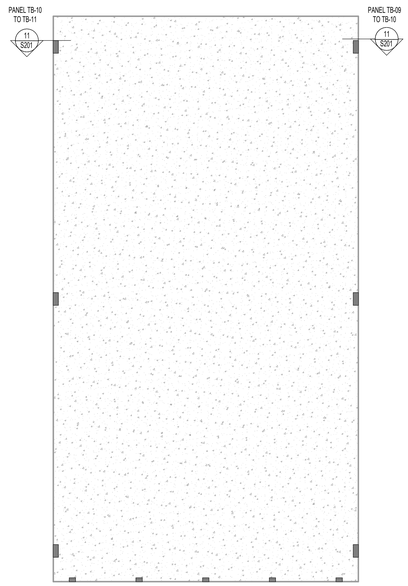
TB-08

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



TB-09

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

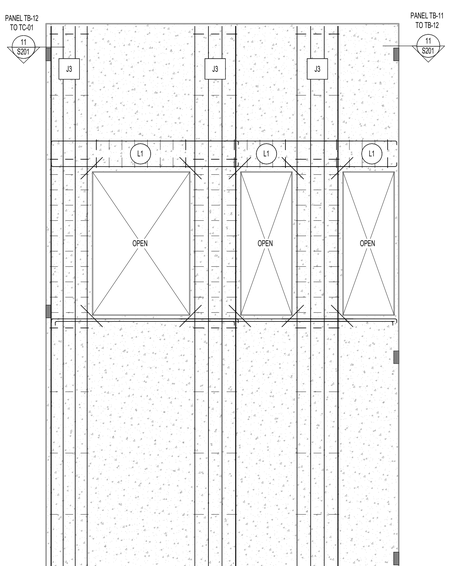


TB-10

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.

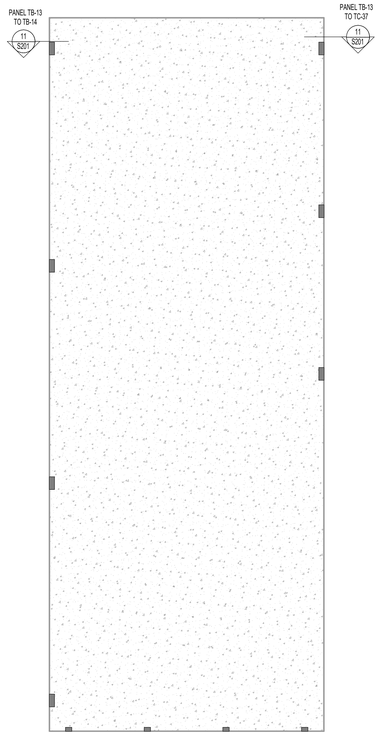
TB-11

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 16" O.C.	#5 AT 18" O.C.



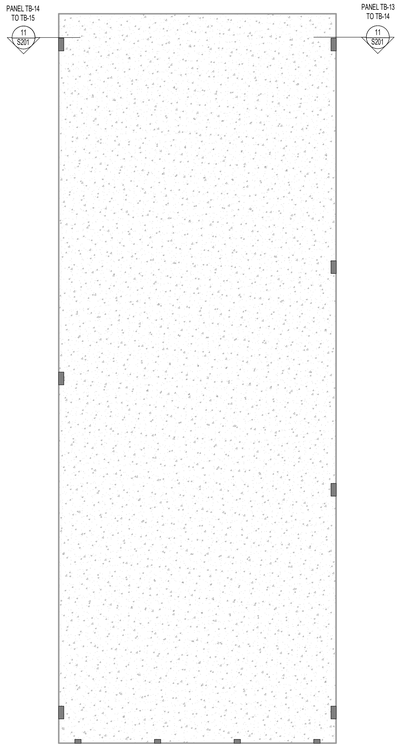
TB-12

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	11.1/4"	#5 AT 9" O.C. E.F..	#5 AT 18" O.C., E.F.



TB-13

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 11" O.C.	#5 AT 18" O.C.



TB-14

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 11" O.C.	#5 AT 18" O.C.

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architects

Client

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Salt Lake City, Utah 84115
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Consultants

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

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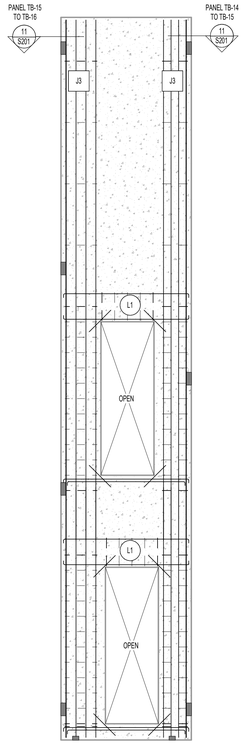
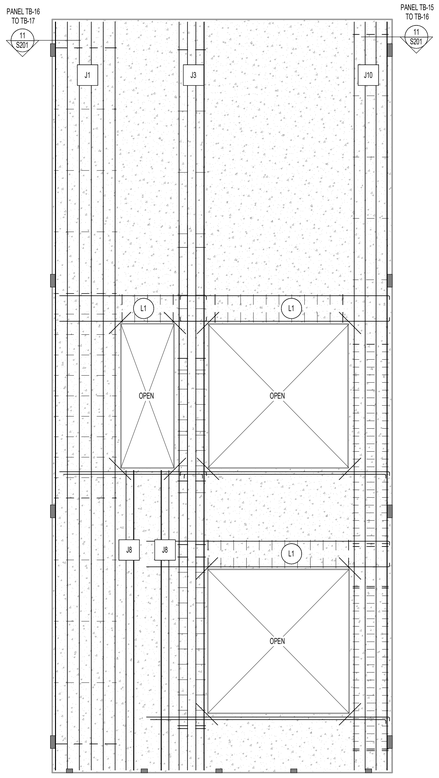
TILT-UP PANEL ELEVATIONS

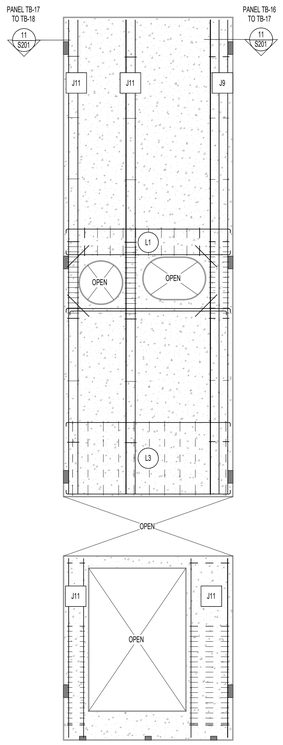
S205



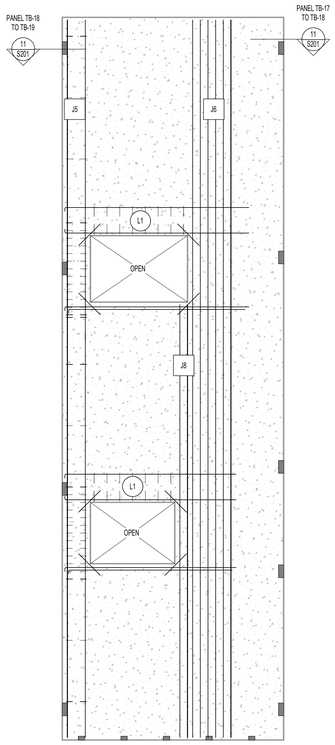
TB-15			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



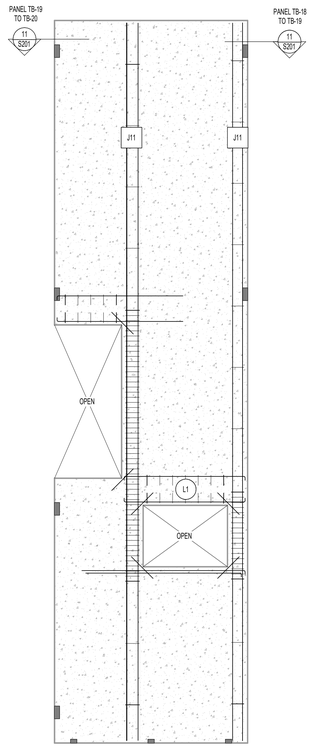
TB-16			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



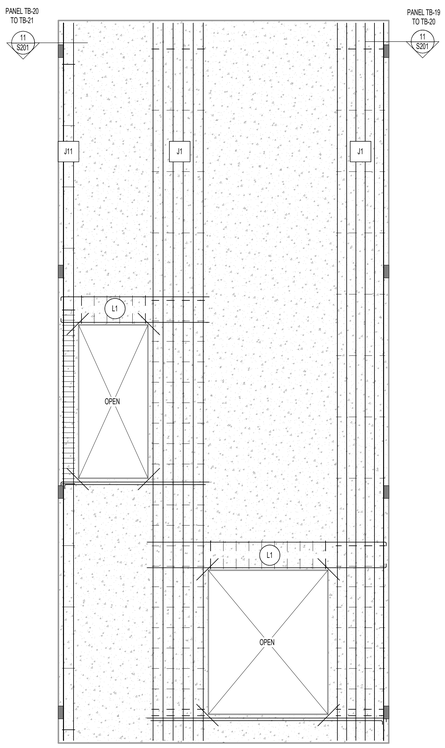
TB-17			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



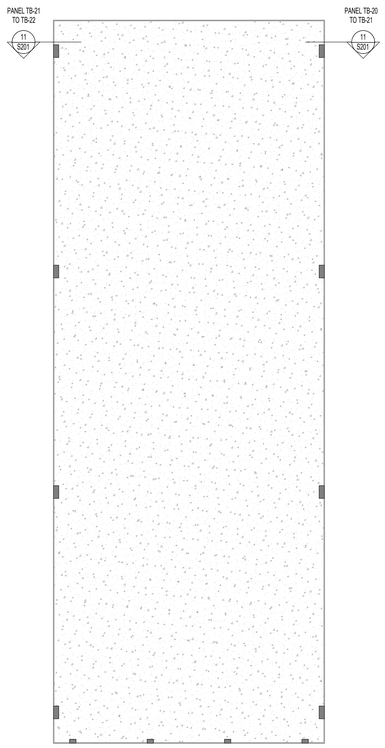
TB-18			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



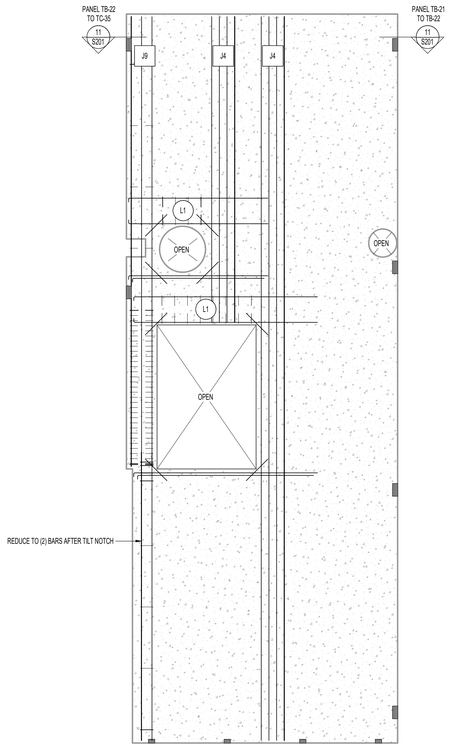
TB-19			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



TB-20			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6000 PSI	7.1/4"	#5 AT 9" O.C.	#5 AT 18" O.C.



TB-21			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 11" O.C.	#5 AT 18" O.C.



TB-22			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 11" O.C.	#5 AT 18" O.C.

TILT-UP PANEL ELEVATION NOTES

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2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
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7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.

JAMB SCHEDULE

Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
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J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
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LINTEL SCHEDULE

Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

naylor wentworth lund
a r c h i t e c t s

Client

BHB STRUCTURAL
2766 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

Consultants

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
335 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE | BID SET
ISSUE DATE | 03/25/2025
NWL PROJECT | 0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

TILT-UP PANEL ELEVATIONS

S206

LINTEL SCHEDULE

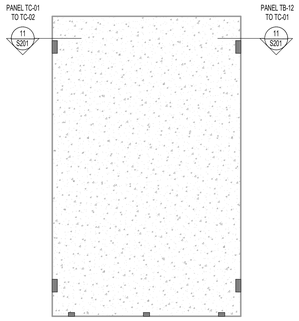
Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

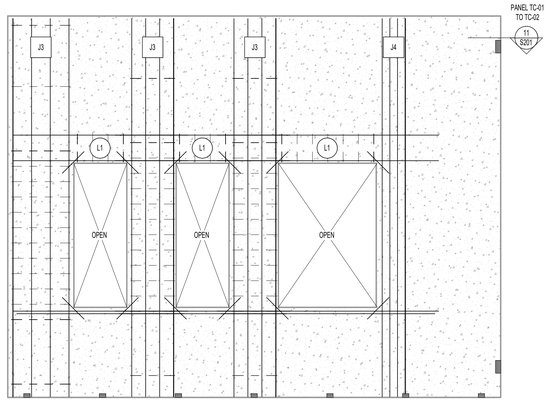
JAMB SCHEDULE

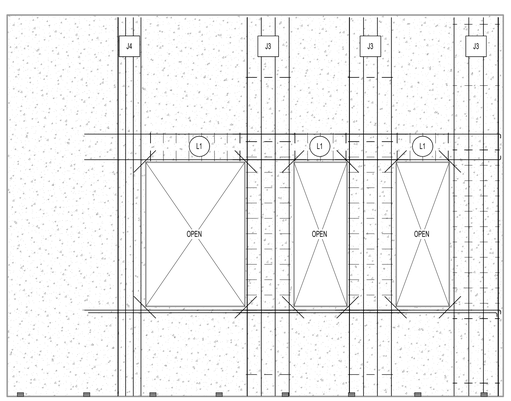
Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

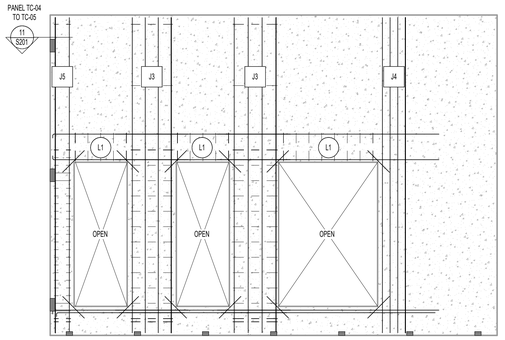
TILT-UP PANEL ELEVATION NOTES

1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.









TC-01

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-02

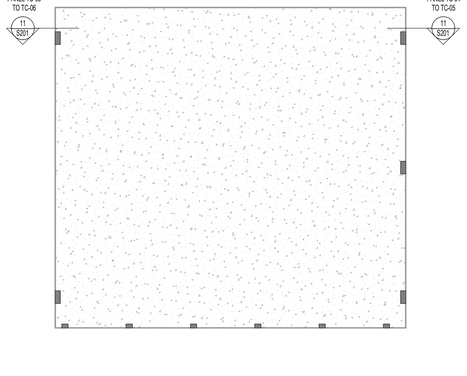
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

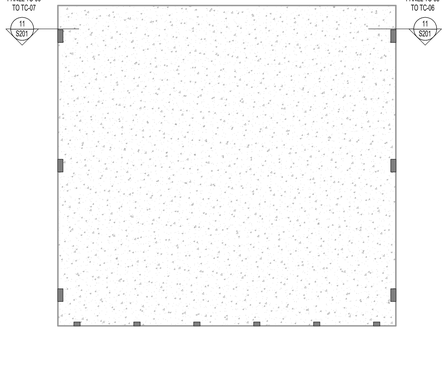
TC-03

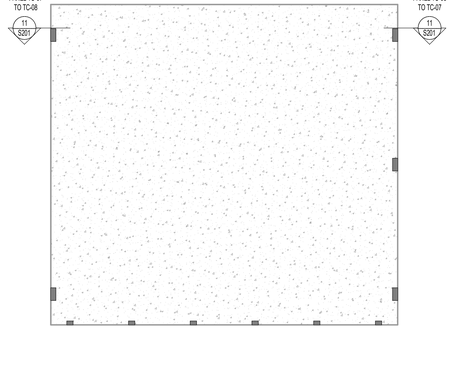
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

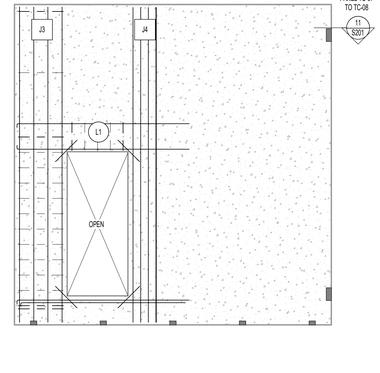
TC-04

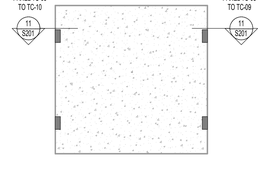
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.











TC-05

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-06

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-07

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-08

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-09

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C.	#5 AT 18" O.C.

naylor wentworth lund
architects

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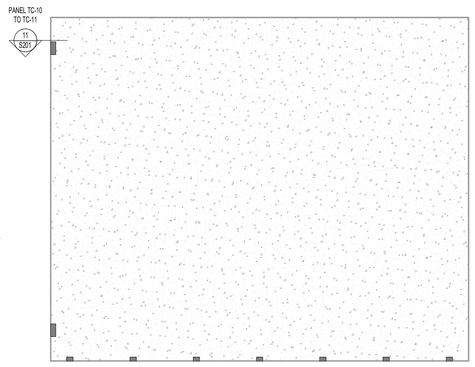
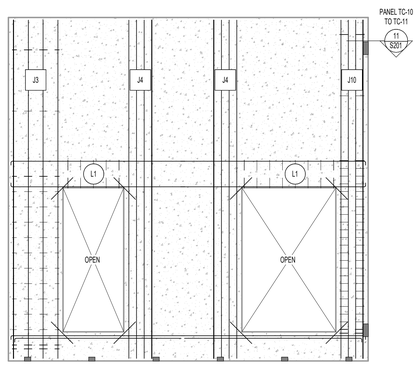
TILT-UP PANEL ELEVATIONS

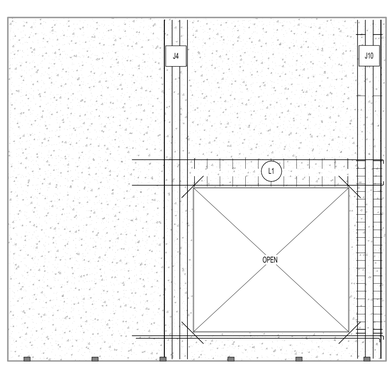
S207



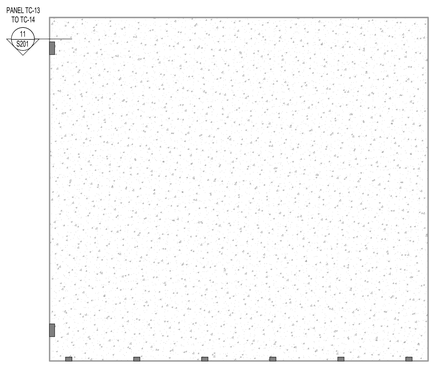
TC-10			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



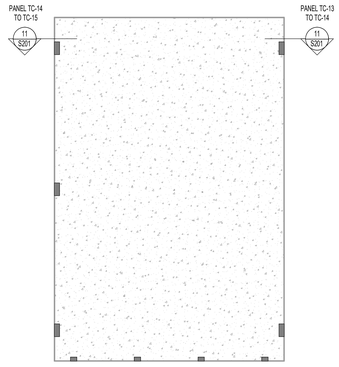
TC-11			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



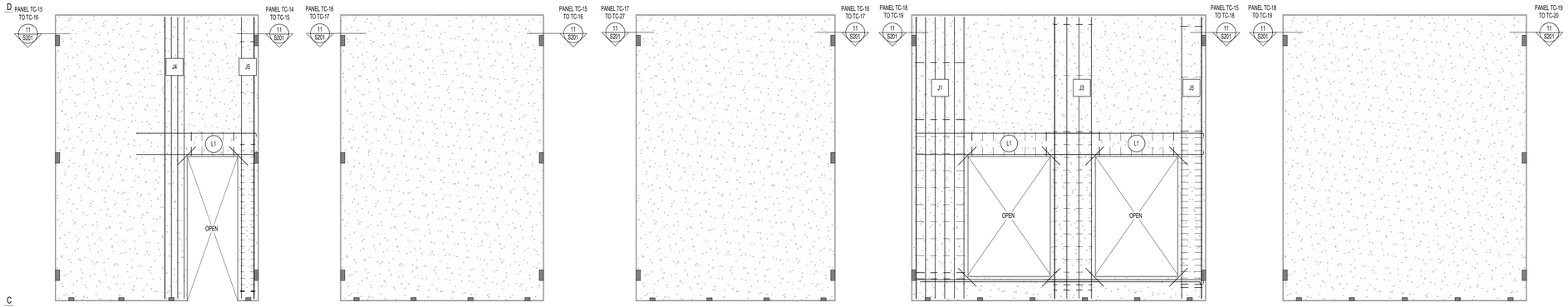
TC-12			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-13			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-14			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



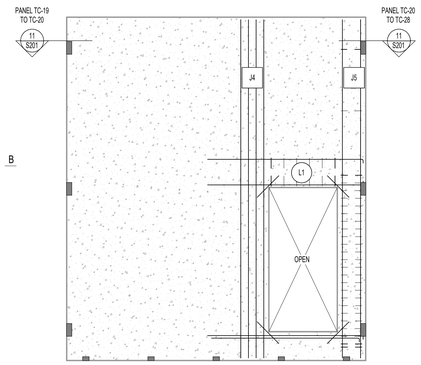
TC-15			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-16			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

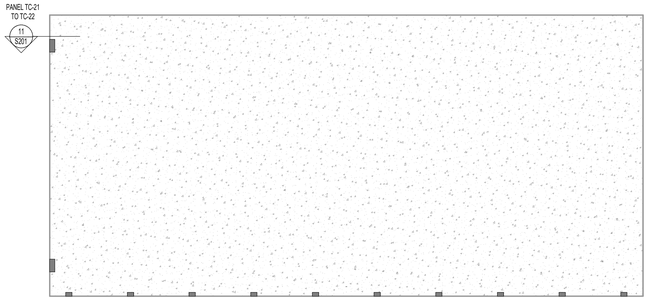
TC-17			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TC-18			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

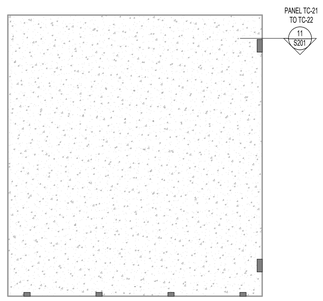
TC-19			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



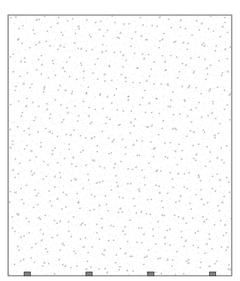
TC-20			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-21			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-22			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-23			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

TILT-UP PANEL ELEVATION NOTES

1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.

JAMB SCHEDULE

Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

LINTEL SCHEDULE

Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
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naylor wentworth lund
architects

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TRAVIS ROSS BRACKUS
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TILT-UP PANEL ELEVATIONS

S208

A 1 2 3 4 5 6

LINTEL SCHEDULE

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L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

JAMB SCHEDULE

Type	REINFORCING
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J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
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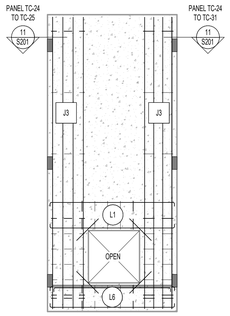
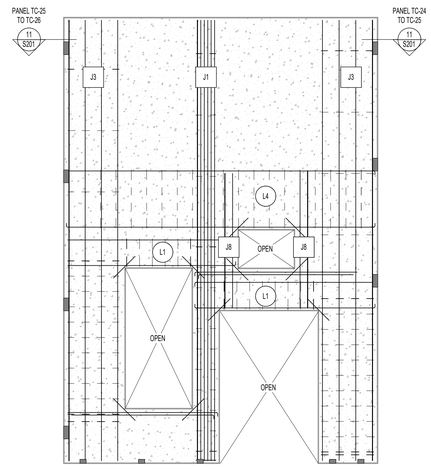
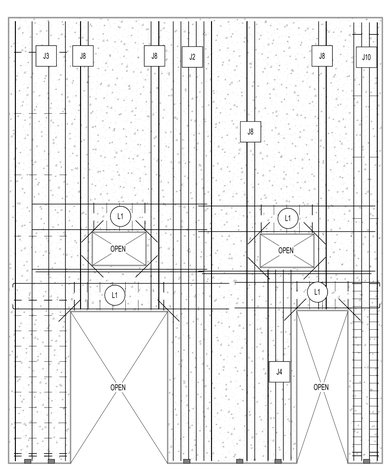


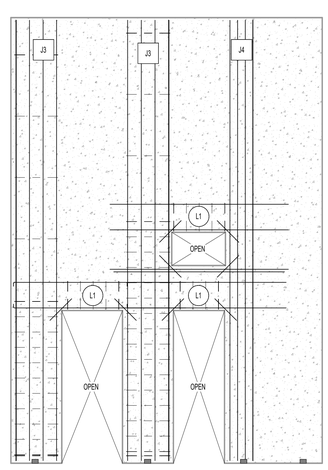
TC-24			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



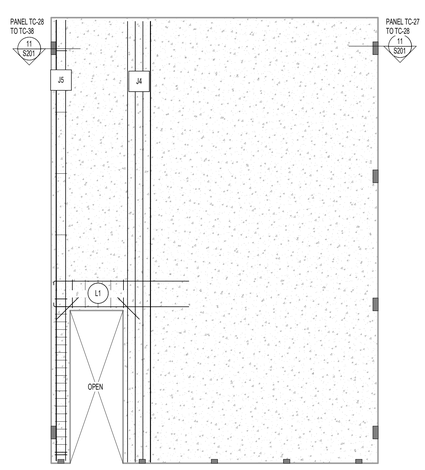
TC-25			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



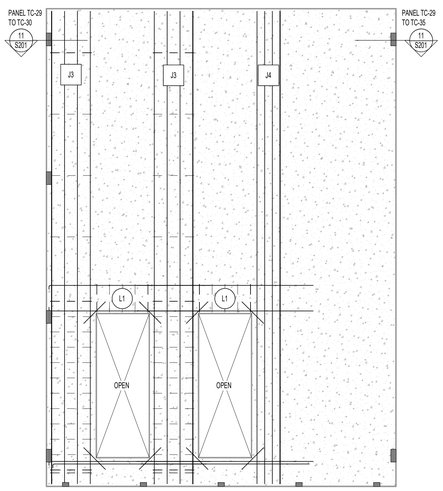
TC-26			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



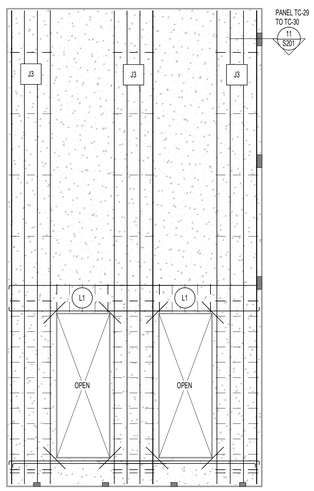
TC-27			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



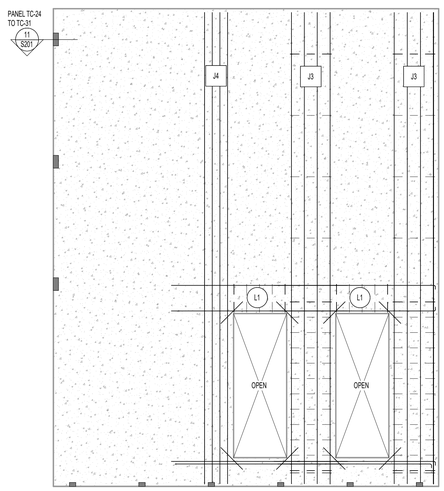
TC-28			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



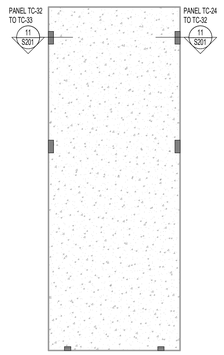
TC-29			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



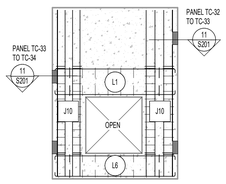
TC-30			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-31			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-32			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



TC-33			
CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.

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PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2201
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

TILT-UP PANEL ELEVATIONS

S209

LINTEL SCHEDULE

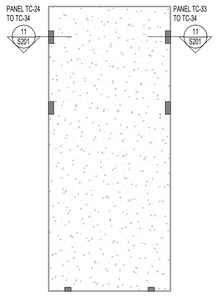
Type	REINFORCING
L1	2' - 0" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.
L2	2' - 6" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L3	5' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L4	4' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L5	8' - 0" LINTEL WITH (2) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 1' - 0" O.C.
L6	1' - 8" LINTEL WITH (1) #7 TOP AND BOTTOM AND #3 STIRRUPS AT 10" O.C.

JAMB SCHEDULE

Type	REINFORCING
J1	(6) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 16" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J2	(6) #5 E.F. AT 6" O.C.
J3	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 12" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J4	(4) #5 E.F. AT 6" O.C.
J5	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J6	(6) #5 E.F. AT 6" O.C.
J7	(9) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J8	(2) #5 E.F. AT 6" O.C.
J9	(3) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J10	(4) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 6" O.C. FOR 12" ABOVE AND BELOW OPENINGS
J11	(2) #5 E.F. EQUALLY SPACED WITH #3 TIES AT 4" O.C. FOR 12" ABOVE AND BELOW OPENINGS

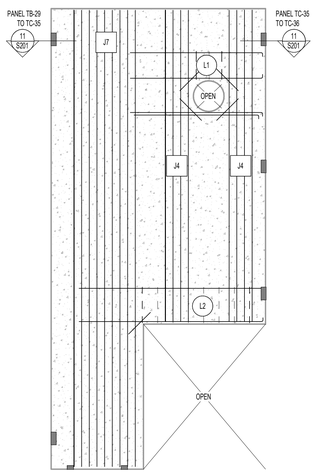
TILT-UP PANEL ELEVATION NOTES

1. SEE FOOTING, FLOOR, AND ROOF FRAMING PLANS AND DETAILS FOR REQUIRED EMBEDS.
2. PANEL ELEVATIONS ARE DRAWN FROM THE INSIDE OF THE BUILDING FACING OUT.
3. SEE DETAILS 1/S201 AND 2/S201 FOR PLACEMENT OF TYPICAL PANEL REINFORCING.
4. SEE DETAIL 3/S201 FOR TYPICAL LINTEL REINFORCING PLACEMENT DIAGRAM.
5. SEE DETAIL 4/S201 FOR TYPICAL JAMB REINFORCING PLACEMENT DIAGRAM.
6. SEE DETAIL 5/S201 FOR MISCELLANEOUS OPENING AND TYPICAL OPENING OR CORNER TRIM REINFORCING.
7. SEE DETAIL 6/S201 FOR TYPICAL WALL PANEL CORNER AND T-INTERSECTION CONNECTION.
8. SEE ARCHITECTURAL DRAWINGS FOR PANEL DIMENSIONS.



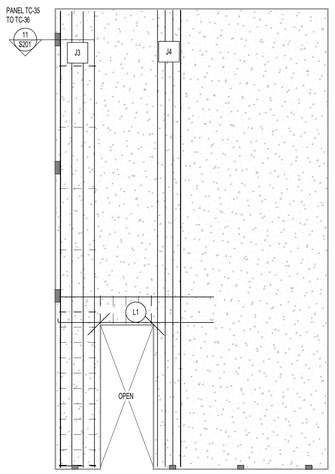
TC-34

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#5 at 18" O.C..	#5 AT 18" O.C.



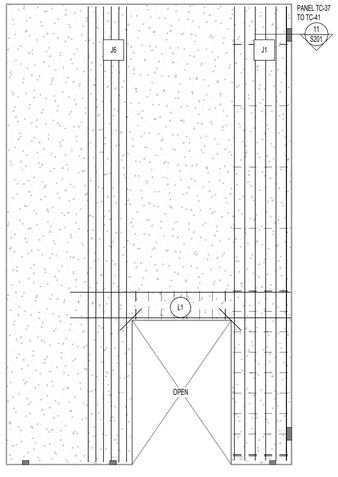
TC-35

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	8.1/2"	#5 at 14" O.C., E.F	#5 AT 18" O.C., E.F.



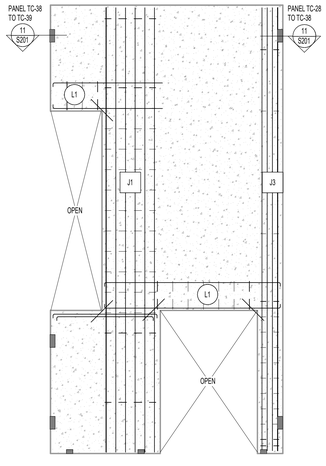
TC-36

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	8.1/2"	#5 at 14" O.C., E.F	#5 AT 18" O.C., E.F.



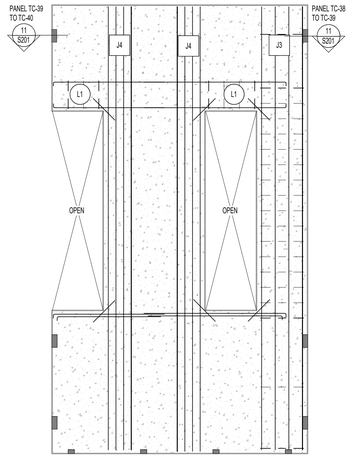
TC-37

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	8.1/2"	#5 at 16" O.C., E.F	#5 AT 18" O.C., E.F.



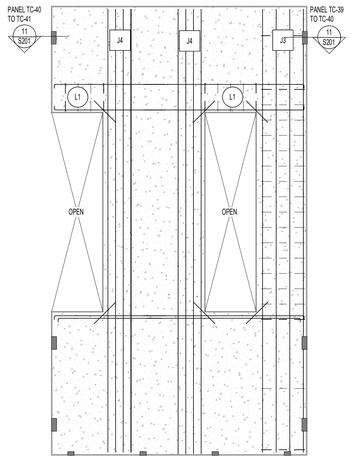
TC-38

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	9"+3" INSULATION+3" VENEER	#5 AT 16" O.C., E.F	#5 AT 18" O.C., E.F.



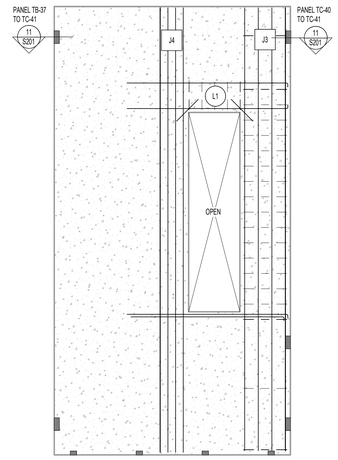
TC-39

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	9"+3" INSULATION+3" VENEER	#5 at 16" O.C., E.F	#5 AT 18" O.C., E.F.



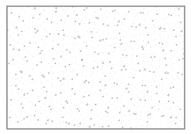
TC-40

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	9"+3" INSULATION+3" VENEER	#5 at 16" O.C., E.F	#5 AT 18" O.C., E.F.



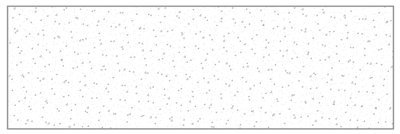
TC-41

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	9"+3" INSULATION+3" VENEER	#5 at 16" O.C., E.F	#5 AT 18" O.C., E.F.



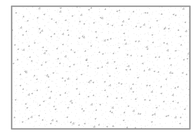
DE-1

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#4 AT 12" O.C., E.W.	#4 AT 12" O.C., E.W.



DE-2

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#4 AT 12" O.C., E.W.	#4 AT 12" O.C., E.W.



DE-3

CONC STRENGTH	PANEL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
4500 PSI	7.1/4"	#4 AT 12" O.C., E.W.	#4 AT 12" O.C., E.W.

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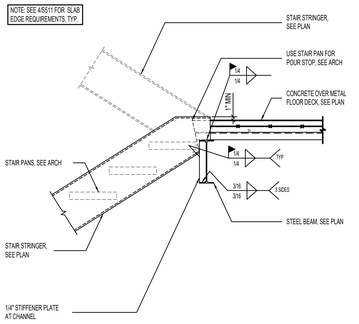
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

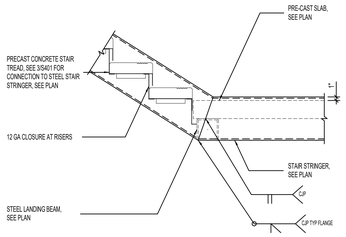
DATE	REVISION

TILT-UP PANEL ELEVATIONS

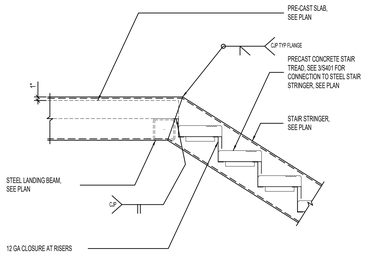
S210



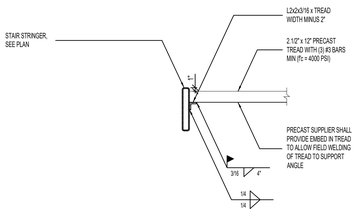
1 TYPICAL STAIR FRAMING DETAIL AT FLOOR BEAM
NO SCALE



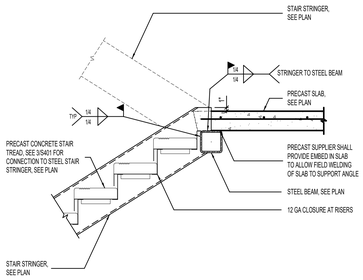
2 TYPICAL STAIR FRAMING DETAIL
NO SCALE



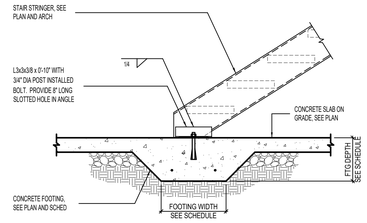
3 PRECAST TREAD CONNECTION DETAIL
NO SCALE

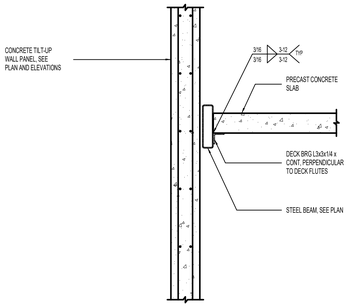


4 STAIR LANDING AT DETAIL
NO SCALE

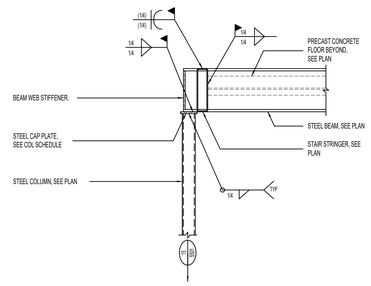


5 TYPICAL STAIR STRINGER BEARING DETAIL
NO SCALE

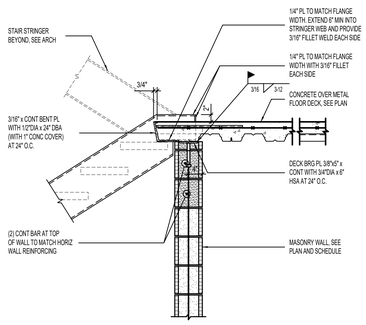




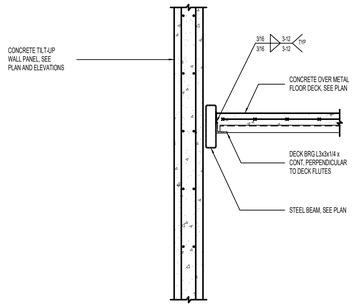
6 STAIR LANDING DETAIL
NO SCALE



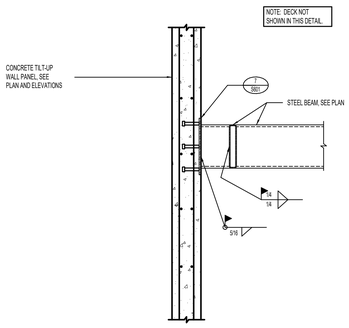
7 STAIR LANDING DETAIL
NO SCALE



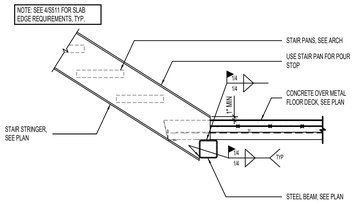
8 DECK BEARING AT MASONRY WALL/BEAM AT TOP OF STAIRS/LANDING
NO SCALE



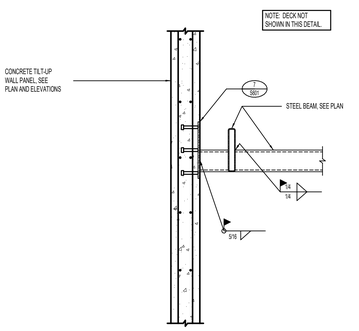
9 STAIR LANDING DETAIL
NO SCALE



10 STAIR LANDING BEAM ATTACHMENT TO CONCRETE TILT-UP WALL PANEL
NO SCALE



11 TYPICAL STAIR FRAMING DETAIL AT FLOOR BEAM
NO SCALE



12 STAIR LANDING BEAM ATTACHMENT TO CONCRETE TILT-UP WALL PANEL
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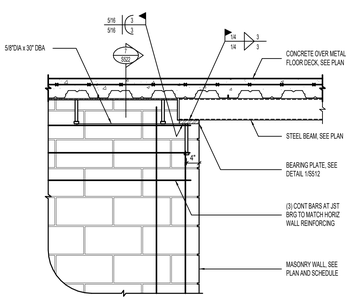
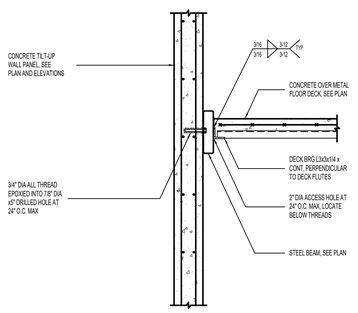


13 FLOOR JOIST/DECK BEARING AT END OF MASONRY WALL
NO SCALE



14 STAIR LANDING DETAIL
NO SCALE

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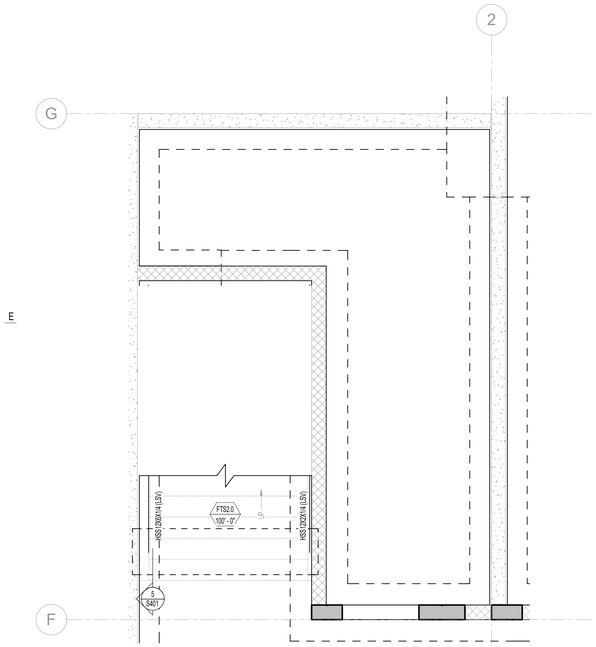
STAIR PLAN DETAILS

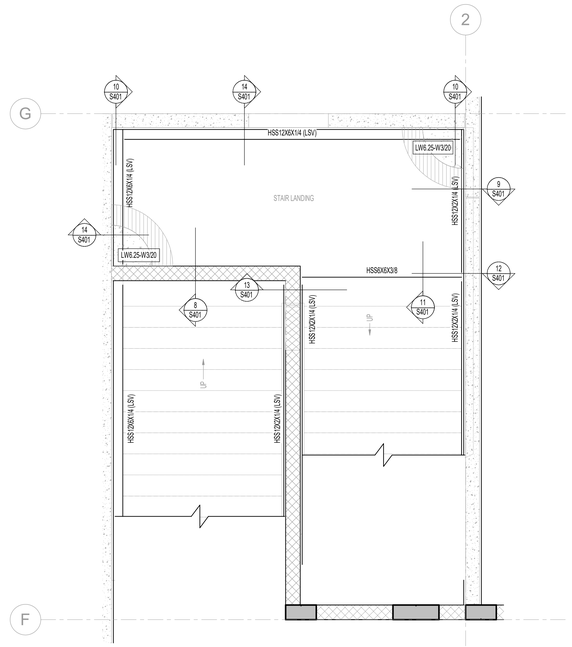
S401

Typ. QR Code Text



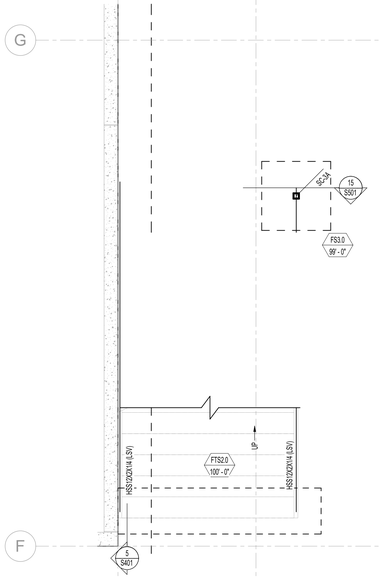
1 FOOTING AND FOUNDATION PLAN - STAIR 1

3/8" = 1'-0" [1\S101a]



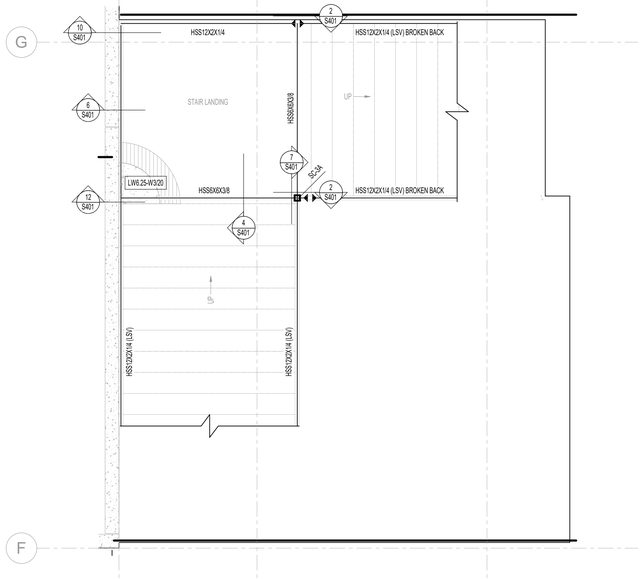
2 LEVEL 2 FLOOR FRAMING PLAN - STAIR 2

3/8" = 1'-0" [1\S101a]



3 FOOTING AND FOUNDATION PLAN - STAIR 2

3/8" = 1'-0"



4 LEVEL 2 FLOOR FRAMING PLAN - STAIR 2

3/8" = 1'-0" [1\S111a]

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HYDE PARK CITY, UT
84318

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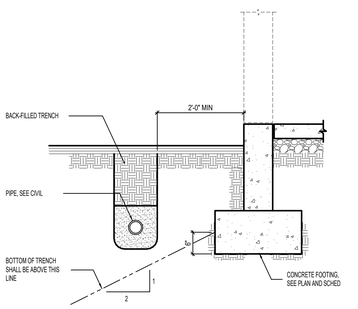
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

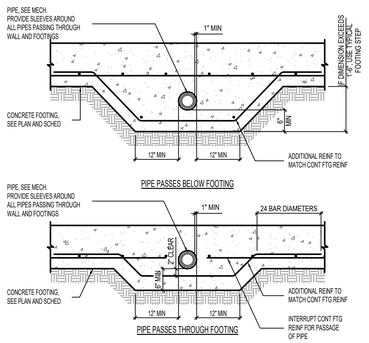
ENLARGED STAIR PLANS

S402



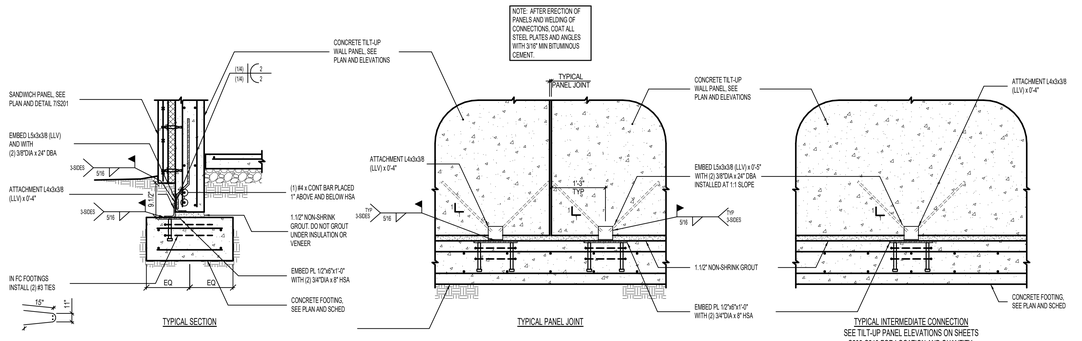
1 CONDITION AT PIPE PARALLEL TO CONCRETE FOOTING

NO SCALE



2 CONDITIONS AT PIPE PERPENDICULAR TO FOOTING

NO SCALE



3 TYPICAL CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING

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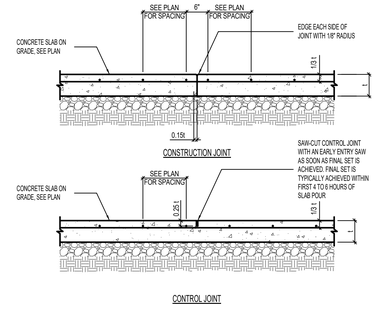
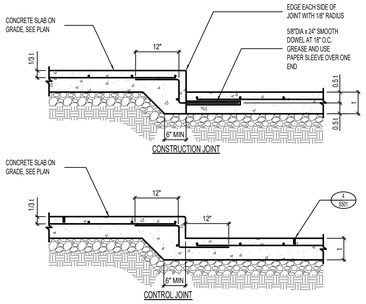


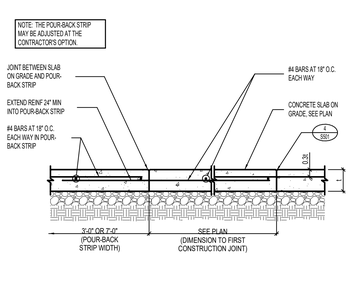
4 TYPICAL SLAB ON GRADE JOINT DETAILS

NO SCALE



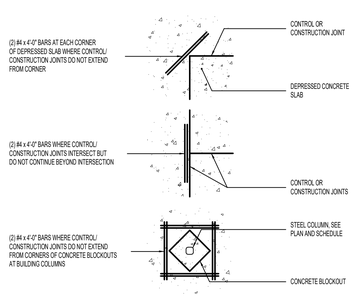
5 JOINT DETAILS AT SLAB DEPRESSIONS

NO SCALE



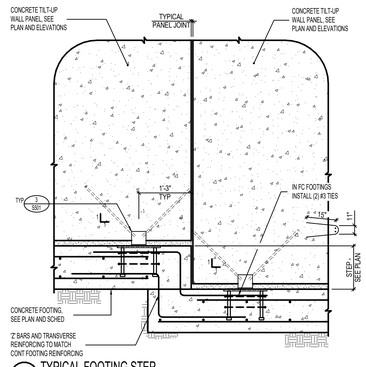
6 TYPICAL CONCRETE SLAB ON GRADE AT POUR-BACK STRIP

NO SCALE



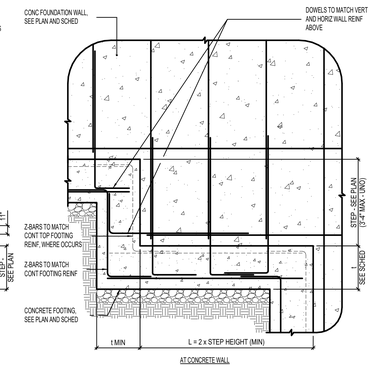
7 LOCATIONS REQUIRING ADDITIONAL SLAB REINFORCING [PLAN VIEW]

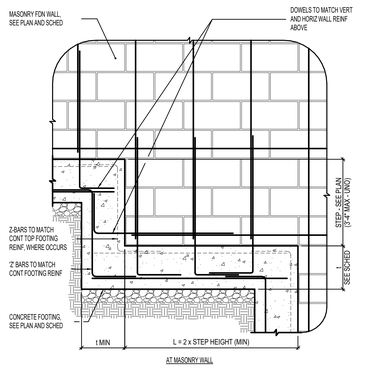
NO SCALE



8 TYPICAL FOOTING STEP

NO SCALE





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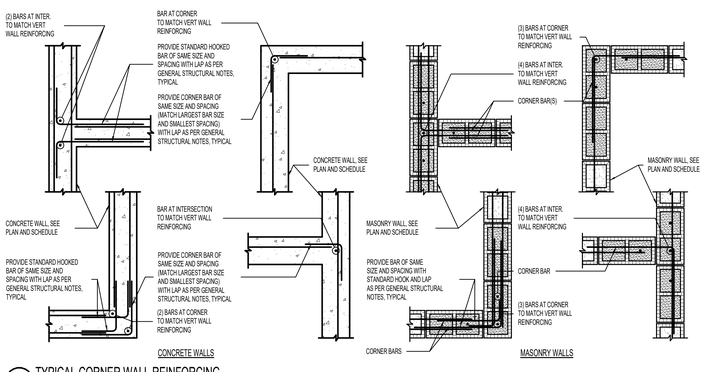
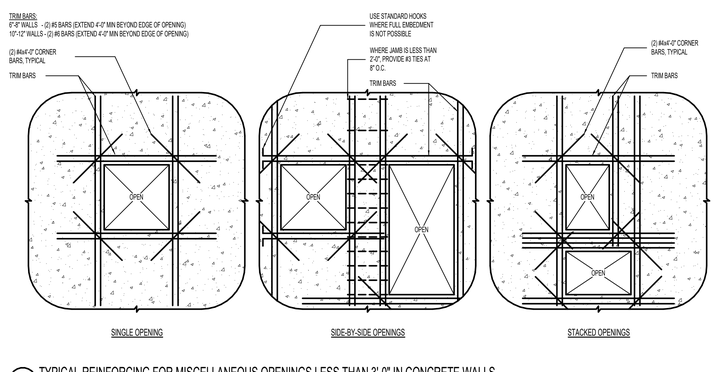


9 TYPICAL CORNER WALL REINFORCING [PLAN VIEW]

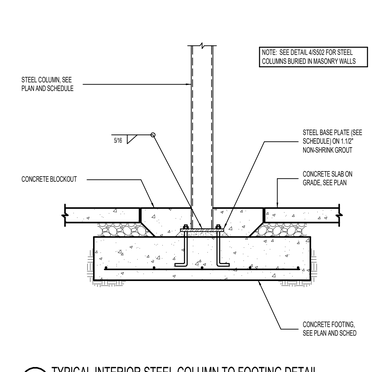
NO SCALE



10 TYPICAL REINFORCING FOR MISCELLANEOUS OPENINGS LESS THAN 3'-0" IN CONCRETE WALLS

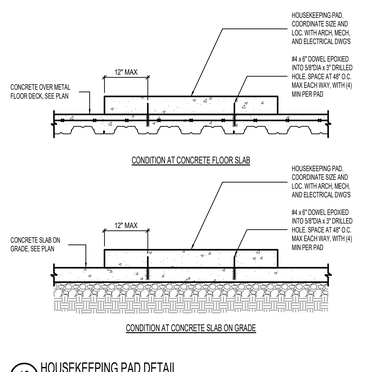
WHERE MISCELLANEOUS OPENING WIDTH IS GREATER THAN 3'-0" WIDE, CONTACT STRUCTURAL ENGINEER.

NO SCALE



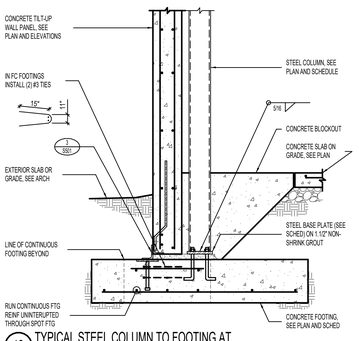
11 TYPICAL INTERIOR STEEL COLUMN TO FOOTING DETAIL

NO SCALE



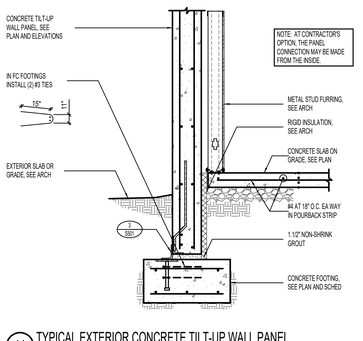
12 HOUSEKEEPING PAD DETAIL

NO SCALE



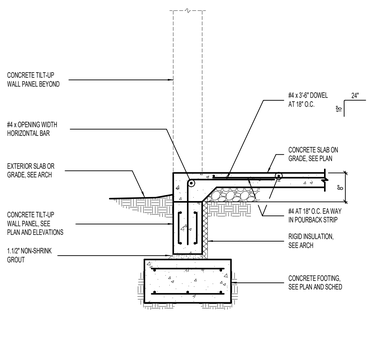
13 TYPICAL STEEL COLUMN TO FOOTING AT CONCRETE TILT-UP WALL PANEL

NO SCALE



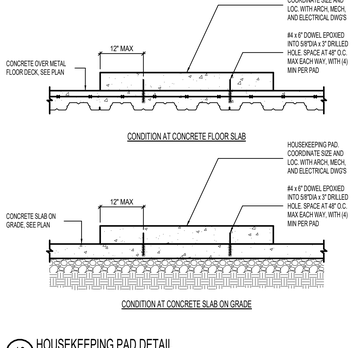
14 TYPICAL EXTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING

NO SCALE



15 TYPICAL INTERIOR STEEL COLUMN TO FOOTING DETAIL

NO SCALE



16 HOUSEKEEPING PAD DETAIL

NO SCALE

1 2 3 4 5 6

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Stamp

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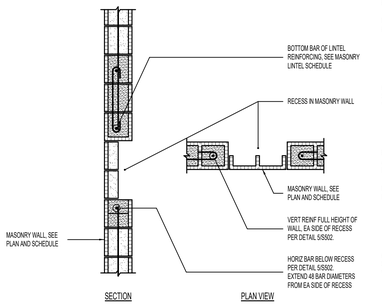
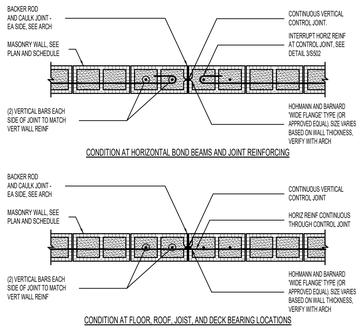
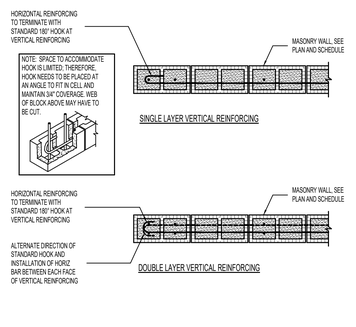
S501



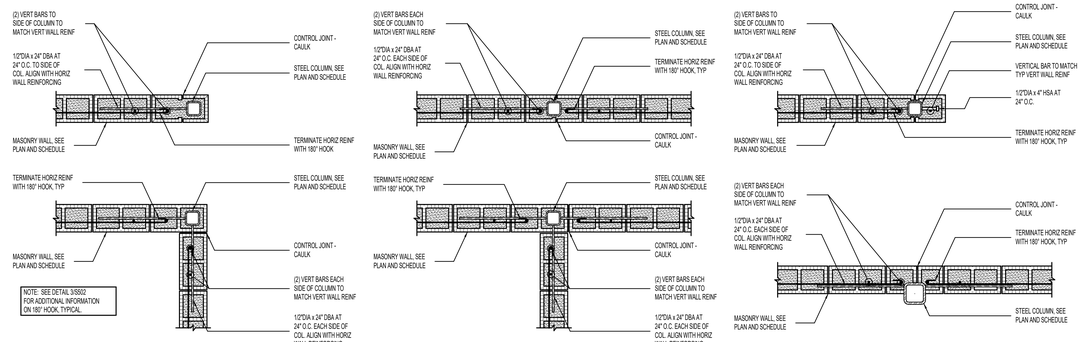
1 TYPICAL REINFORCING AT RECESS IN MASONRY WALLS — NO SCALE



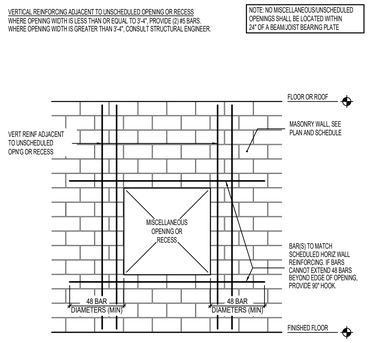
2 MASONRY CONTROL JOINT DETAIL AT MASONRY WALLS [PLAN VIEW] — NO SCALE



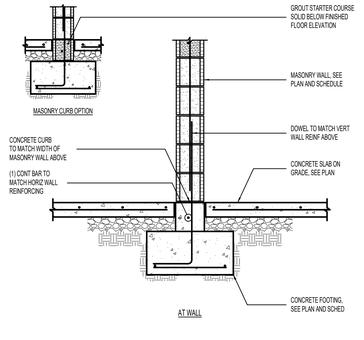
3 TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALL [PLAN VIEW] — NO SCALE



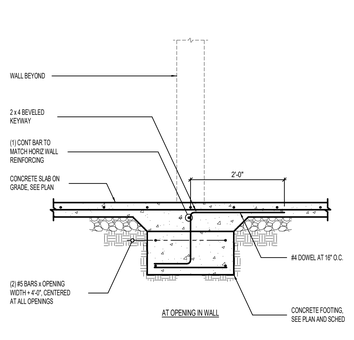
4 TYPICAL STEEL COLUMN BURIED IN MASONRY WALLS [PLAN VIEW] — NO SCALE



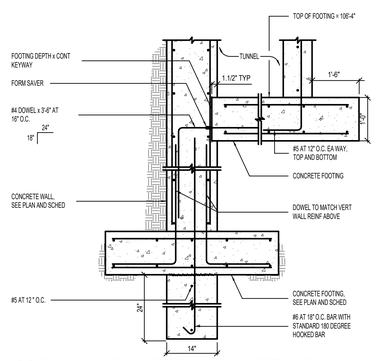
5 REINFORCING AT UNSCHEDULED MISCELLANEOUS OPENINGS OR RECESSES IN MASONRY WALLS — NO SCALE



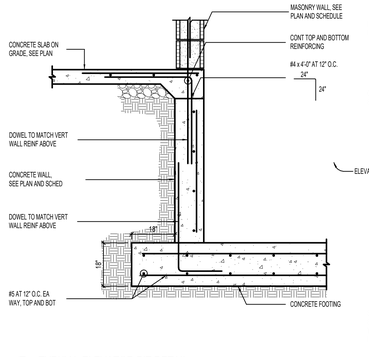
6 TYPICAL INTERIOR MASONRY WALL ON CONCRETE CURB — NO SCALE



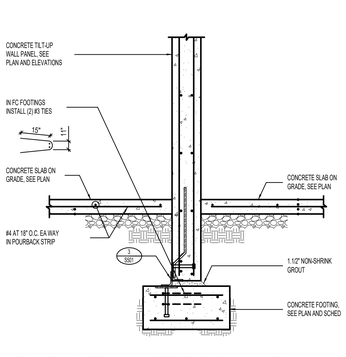
7 TYPICAL TUNNEL CONCRETE WALL ON CONCRETE FOOTING — NO SCALE



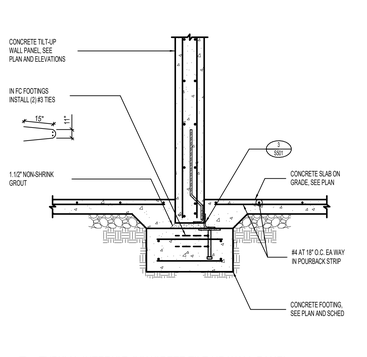
8 FOUNDATION WALL DETAIL AT STORE FRONT — NO SCALE



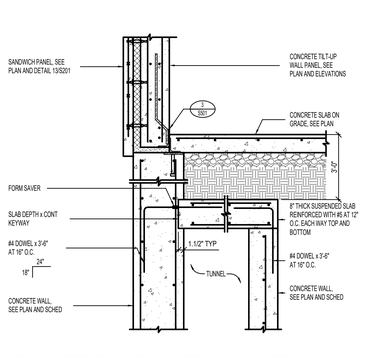
9 TYPICAL ELEVATOR PIT DETAIL — NO SCALE



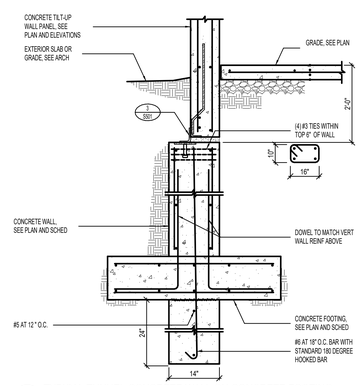
10 TYPICAL INTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING — NO SCALE



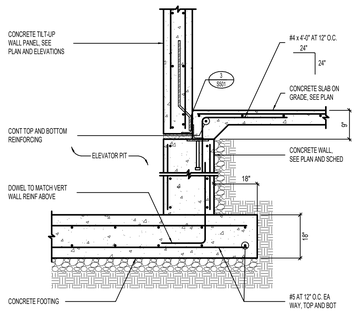
11 TYPICAL INTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING — NO SCALE



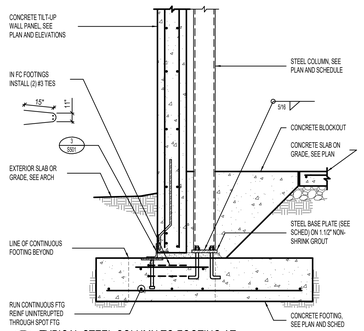
12 CONCRETE TILT PANEL CONNECTION TO WALL DETAIL AT TUNNEL — NO SCALE



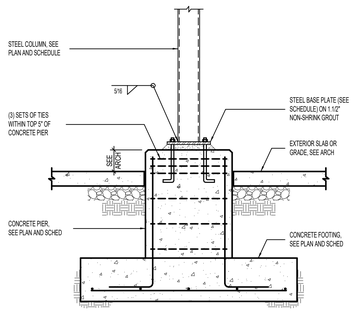
13 TYPICAL TUNNEL CONCRETE WALL ON CONCRETE FOOTING — NO SCALE



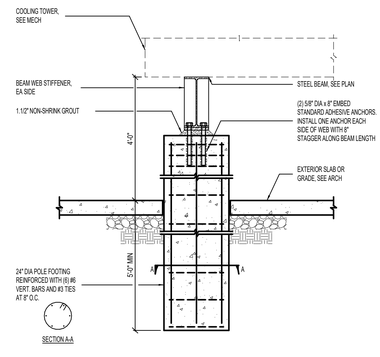
14 CONCRETE TILT UP OVER CONCRETE WALL AT ELEVATOR — NO SCALE



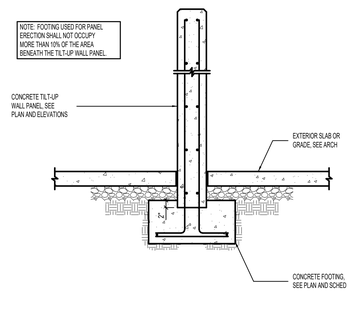
15 TYPICAL STEEL COLUMN TO FOOTING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



16 EXTERIOR STEEL COLUMN BEARING ON CONCRETE PIER — NO SCALE



17 TYPICAL FOOTING AT COOLING TOWER — NO SCALE



18 ENCLOSURE WALL DETAIL — NO SCALE

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architects

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TRAVIS ROSS BRADSUS
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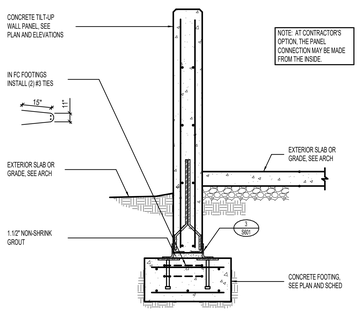
03/24/2025
Stamp

DATE REVISION

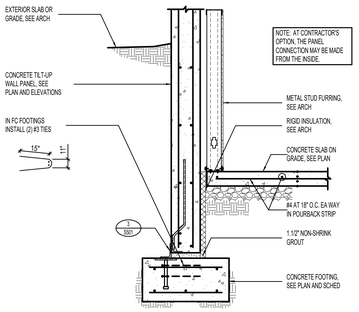
DETAILS

S502

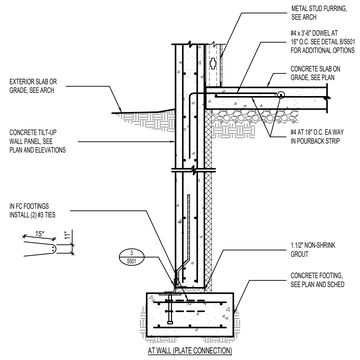
A | 1 | 2 | 3 | 4 | 5 | 6



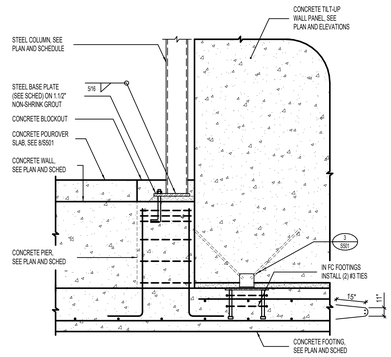
1 TYPICAL EXTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING AT ENCLOSURE — NO SCALE



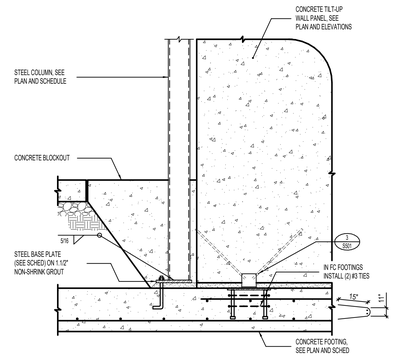
2 TYPICAL EXTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING — NO SCALE



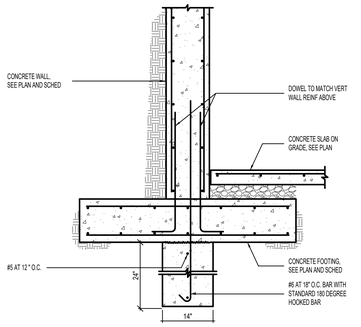
3 EXTERIOR CONCRETE TILT-UP WALL PANEL CONNECTION TO FOOTING — NO SCALE



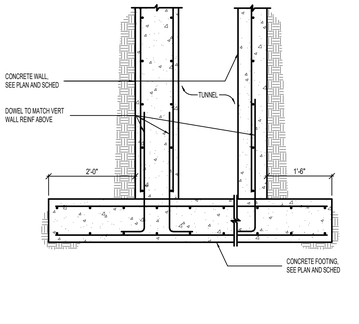
4 STEEL COLUMN BEARING AT CONCRETE PIER AT TILT PANEL WALL — NO SCALE



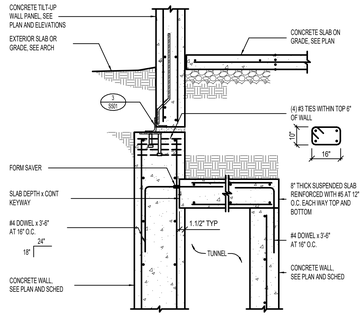
5 STEEL COLUMN BEARING AT CONCRETE FOOTING AT TILT PANEL WALL — NO SCALE



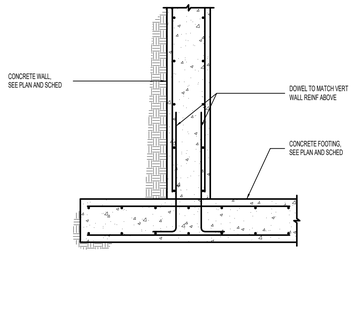
6 TYPICAL CONCRETE WALL ON CONCRETE FOOTING — NO SCALE



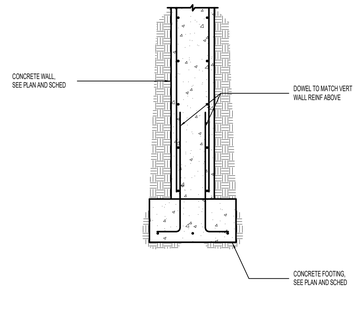
7 TYPICAL CONCRETE WALL ON CONCRETE FOOTING AT UTILITY TUNNEL — NO SCALE



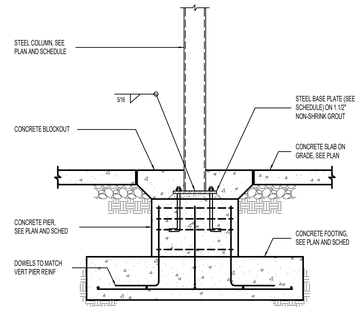
8 CONCRETE TILT PANEL CONNECTION TO WALL DETAIL AT TUNNEL — NO SCALE



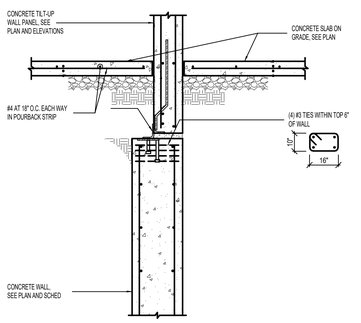
9 TYPICAL CONCRETE WALL ON CONCRETE FOOTING AT UTILITY TUNNEL — NO SCALE



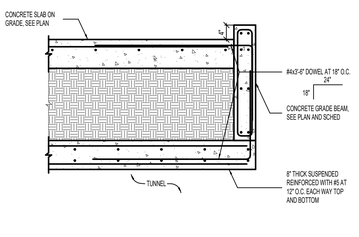
10 TYPICAL CONCRETE WALL ON CONCRETE FOOTING — NO SCALE



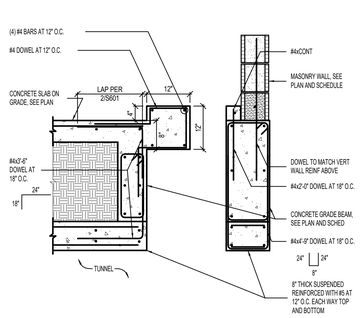
11 STEEL COLUMN BEARING AT CONCRETE PIER — NO SCALE



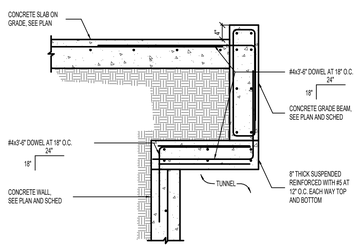
12 CONCRETE TILT PANEL CONNECTION TO WALL DETAIL — NO SCALE



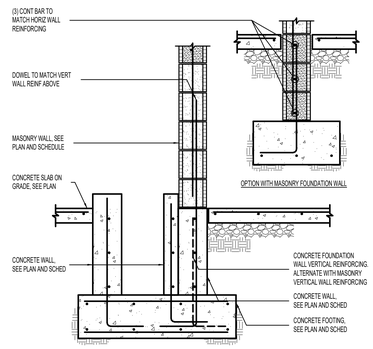
13 TUNNEL OPENING DETAIL — NO SCALE



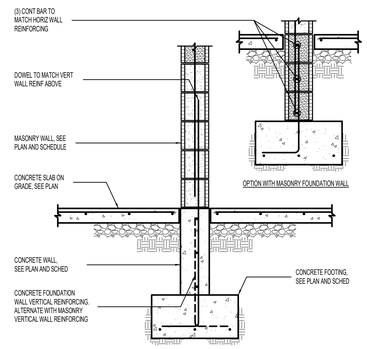
14 TUNNEL OPENING DETAIL — NO SCALE



15 TUNNEL OPENING DETAIL — NO SCALE



16 FOUNDATION WALL DETAIL AT MASONRY WALL AT UTILITY TRENCH — NO SCALE



17 FOUNDATION WALL DETAIL AT MASONRY WALL — NO SCALE

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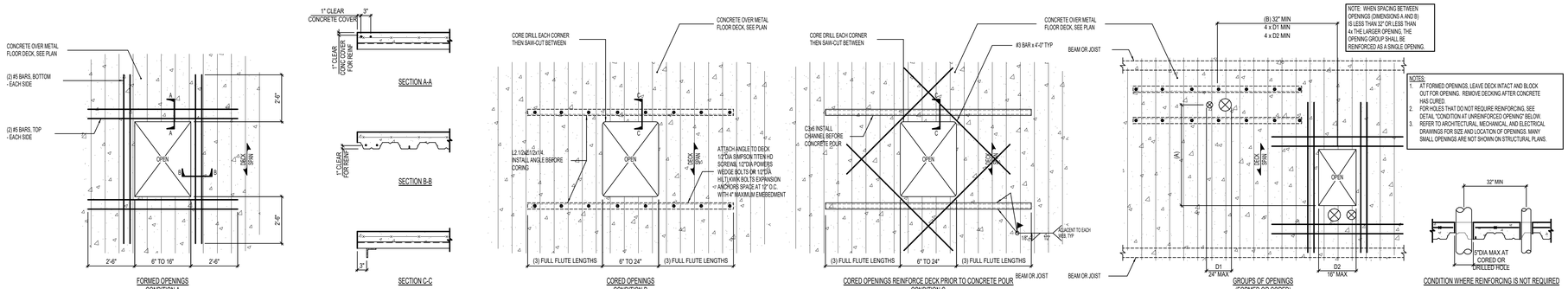
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2201
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

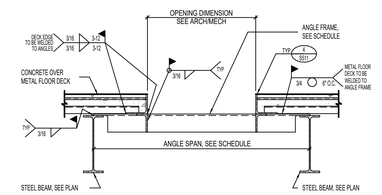
DETAILS

S503



1 MISCELLANEOUS SMALL OPENINGS IN FLOOR SLAB (UP TO 24")

NO SCALE

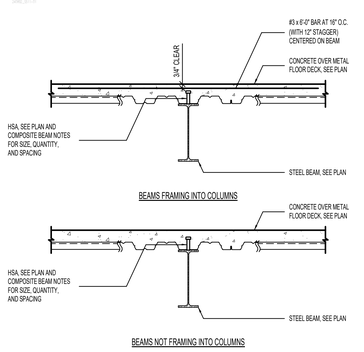


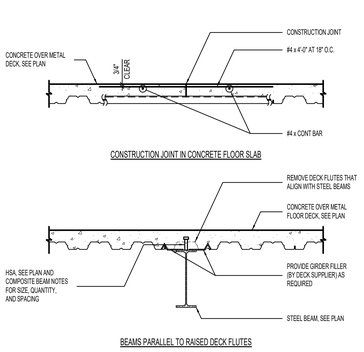
ANGLE FRAME SCHEDULE	
ANGLE (LLV)	MAXIMUM ANGLE SPAN (FT)
L5x3x1/4	9'-0"
L5x3x5/16	10'-0"
L5x3x3/8	11'-0"
L6x4x5/16	12'-0"

NOTE: FOR OPENINGS GREATER THAN 48", CONTACT STRUCTURAL ENGINEER.

2 TYPICAL FLOOR OPENING DETAIL [OPENING < 48" AND > 24"]

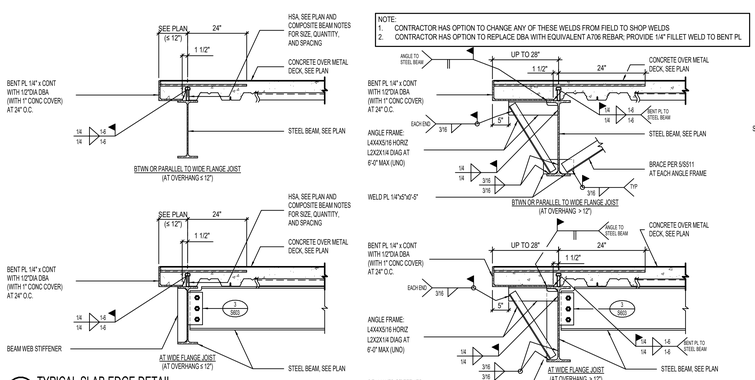
NO SCALE





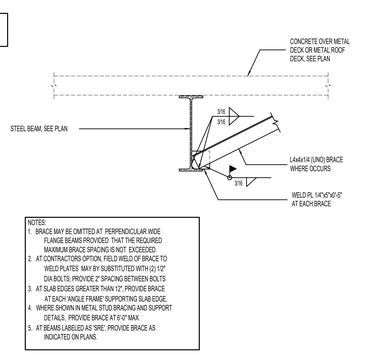
3 TYPICAL COMPOSITE BEAM DETAILS

NO SCALE



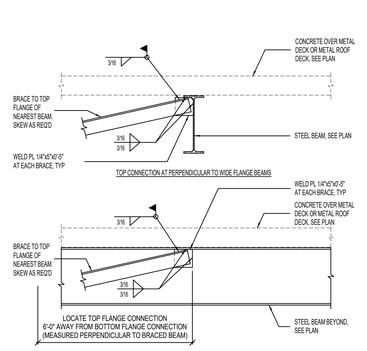
4 TYPICAL SLAB EDGE DETAIL

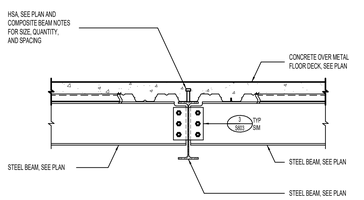
NO SCALE



5 TYPICAL BRACE DETAIL

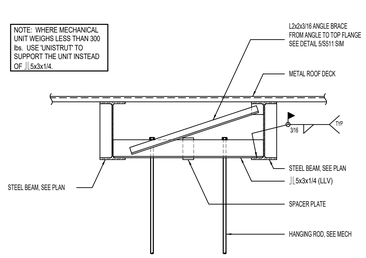
NO SCALE





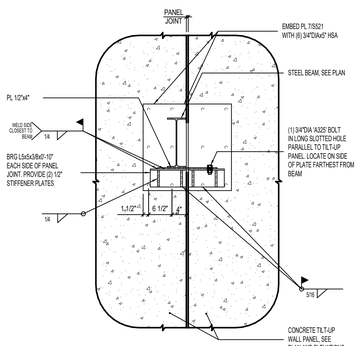
6 TYPICAL STEEL BEAM TO STEEL BEAM CONNECTION

NO SCALE



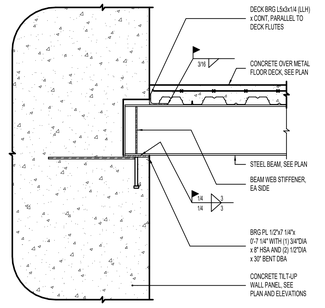
7 TYPICAL HANGING MECHANICAL UNIT SUPPORT DETAIL

NO SCALE



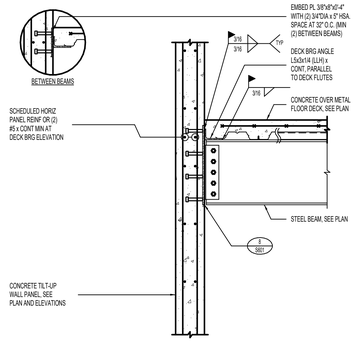
8 TYPICAL WIDE FLANGE BEARING DETAIL WHERE BEAM BEARS WITHIN 5" OF A PANEL JOINT

NO SCALE



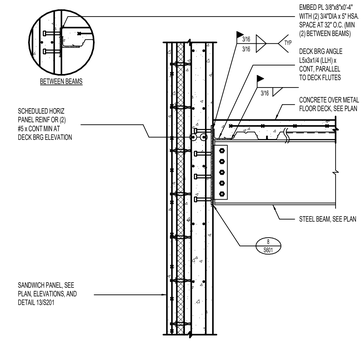
9 BEAM BEARING AT END OF CONCRETE TILT-UP PANEL

NO SCALE



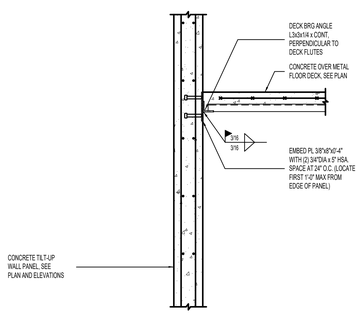
10 TYPICAL BEAM/DECK BEARING AT CONCRETE TILT-UP WALL PANEL

NO SCALE



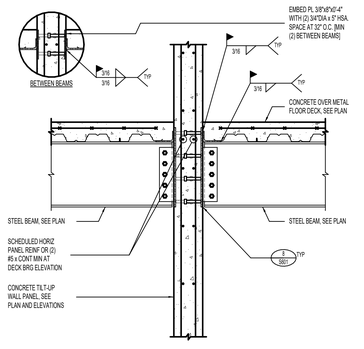
11 TYPICAL BEAM/DECK BEARING AT CONCRETE TILT-UP WALL PANEL

NO SCALE



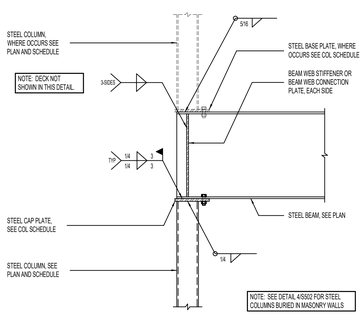
12 TYPICAL DECK BEARING AT CONCRETE TILT-UP WALL PANEL

NO SCALE



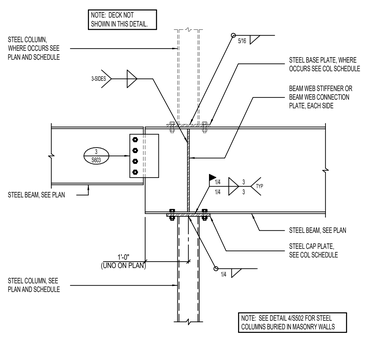
13 STEEL BEAM/DECK BEARING AT INTERIOR TILT-UP PANEL

NO SCALE



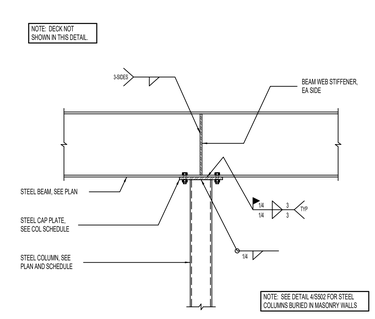
14 STEEL BEAM BEARING AT STEEL COLUMN

NO SCALE



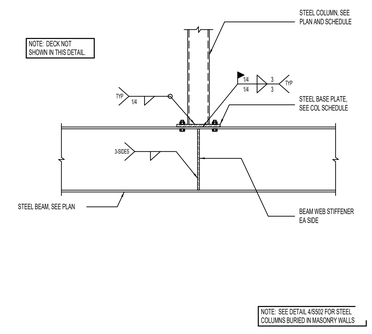
15 TYPICAL DROP-IN STEEL BEAM CONNECTION AT STEEL COLUMN

NO SCALE



16 STEEL BEAM BEARING ON STEEL COLUMN

NO SCALE



17 STEEL COLUMN CARRYING STEEL BEAM

NO SCALE

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architects

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84318

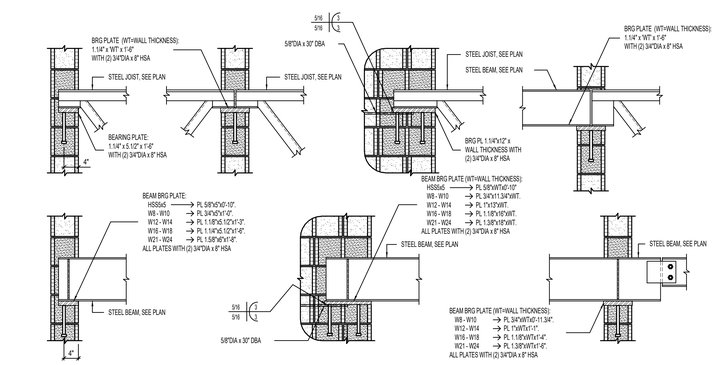
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

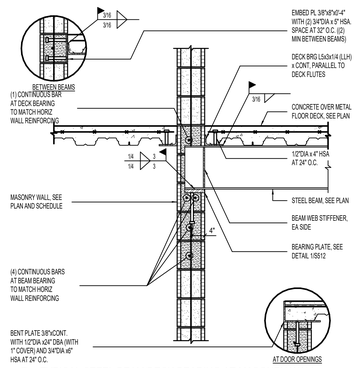
DATE	REVISION

DETAILS

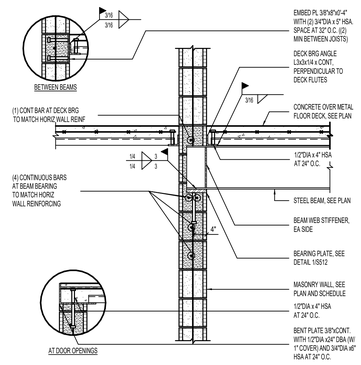
S511



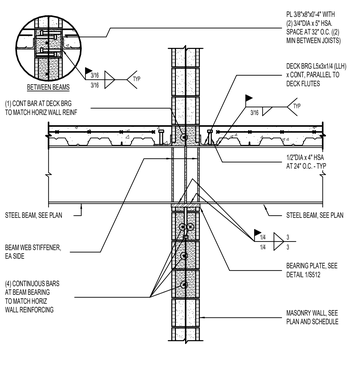
1 BEARING PLATE SCHEDULE FOR FLOOR JOIST/BEAM BEARING AT MASONRY WALLS — NO SCALE



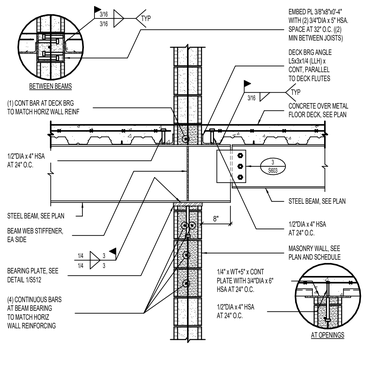
2 TYPICAL STEEL BEAM/DECK BEARING AT MASONRY WALL — NO SCALE



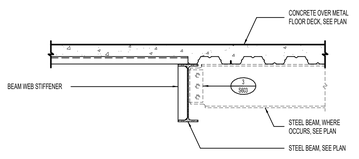
3 TYPICAL STEEL BEAM/DECK BEARING AT MASONRY WALL — NO SCALE



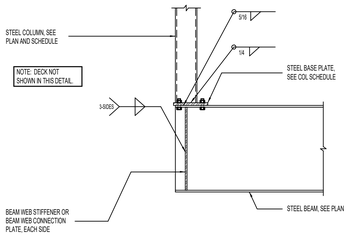
4 TYPICAL STEEL BEAM BEARING AT MASONRY WALL — NO SCALE



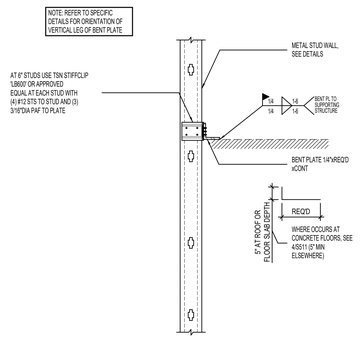
5 TYPICAL BEAM DROP-IN BEAM CONNECTION AT INTERIOR MASONRY WALL — NO SCALE



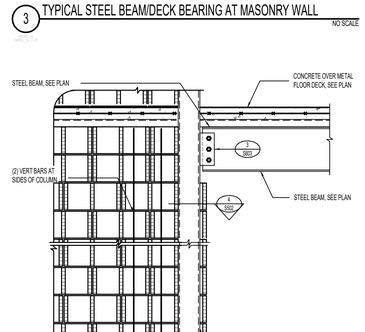
6 STEEL BEAM CONNECTION DETAIL — NO SCALE



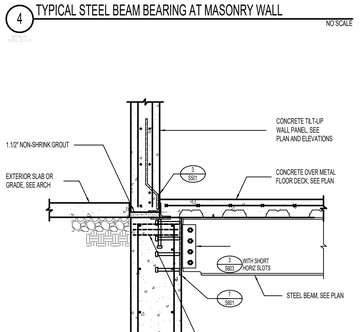
7 STEEL COLUMN CARRYING STEEL BEAM BELOW — NO SCALE



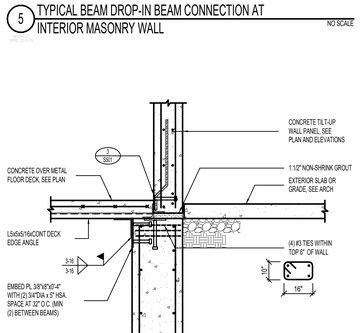
8 TYPICAL METAL STUD FRAMING TO DECK BEARING ANGLE ATTACHMENT [STIFF CONNECTION] — NO SCALE



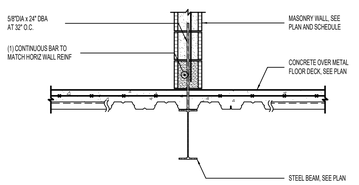
9 MASONRY LINTEL BEARING AT STEEL COLUMN — NO SCALE



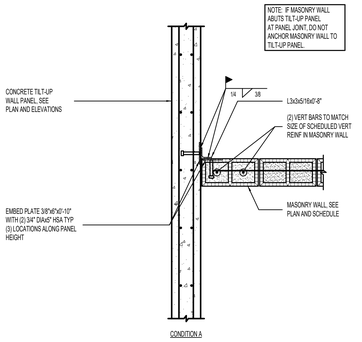
10 CONCRETE TILT PANEL CONNECTION TO WALL DETAIL — NO SCALE



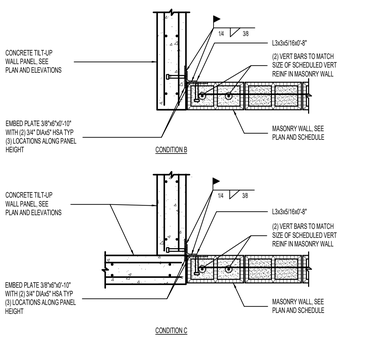
11 CONCRETE TILT PANEL CONNECTION TO WALL DETAIL — NO SCALE

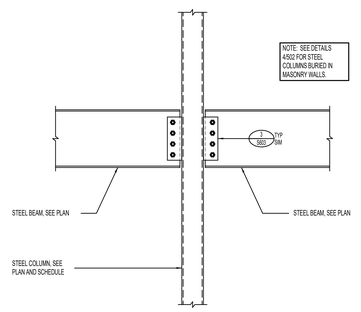


12 TYPICAL STEEL BEAM WITH MASONRY WALL ABOVE — NO SCALE

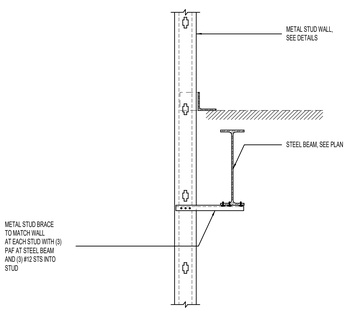


13 MASONRY WALL TO CONCRETE TILT-UP WALL PANEL [PLAN VIEW] — NO SCALE

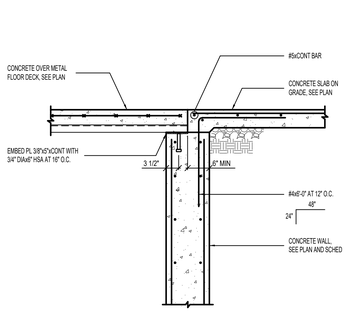




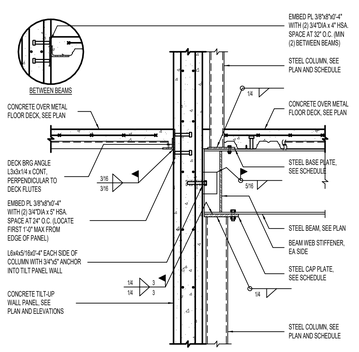
14 BEAM TO COLUMN CONNECTION — NO SCALE



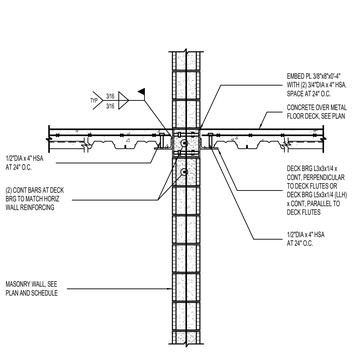
15 TYPICAL METAL STUD FRAMING TO DECK BEARING ANGLE ATTACHMENT — NO SCALE



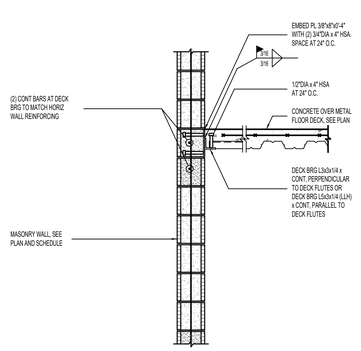
16 FOUNDATION WALL DETAIL — NO SCALE



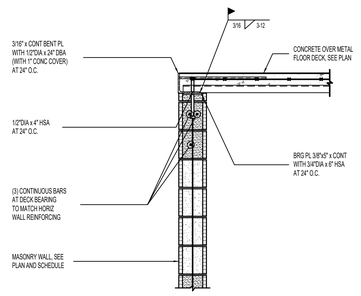
17 STEEL BEAM/COLUMN BEARING ON STEEL COLUMN AT CONCRETE TILT-UP WALL PANEL — NO SCALE



18 TYPICAL DECK BEARING AT INTERIOR MASONRY WALL — NO SCALE



19 TYPICAL DECK BEARING AT MASONRY WALL — NO SCALE



20 TYPICAL DECK BEARING AT MASONRY WALL — NO SCALE

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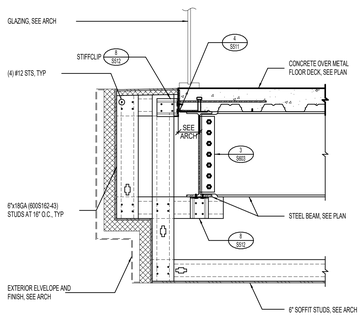
DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2202
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

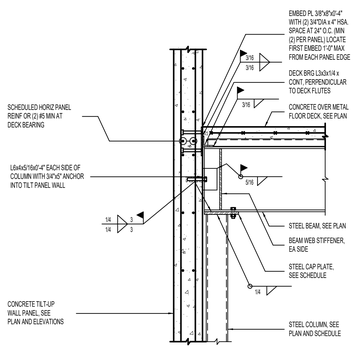
△	DATE	REVISION

DETAILS

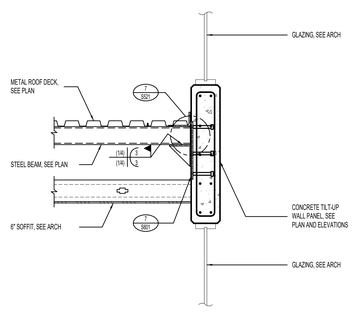
S512



1 DETAIL
NO SCALE



2 STEEL BEAM BEARING ON STEEL COLUMN AT CONCRETE TILT-UP WALL PANEL
NO SCALE



3 CANOPY FRAMING ATTACHMENT DETAIL TO TILT PANEL WALL
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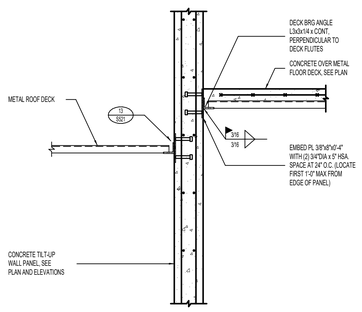

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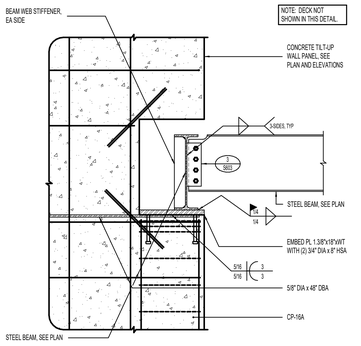

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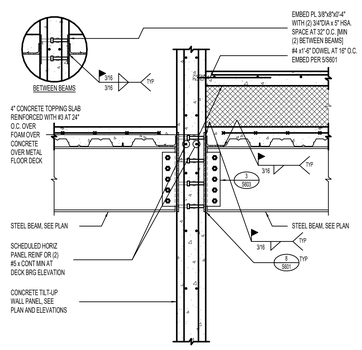

6 STEEL BEAM/DECK BEARING AT INTERIOR TILT-UP PANEL
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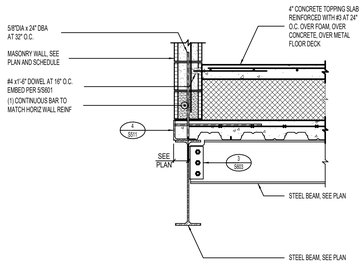
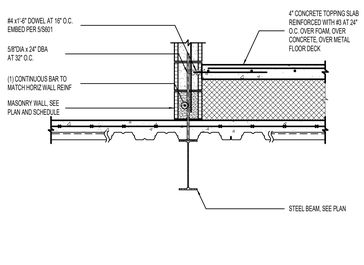
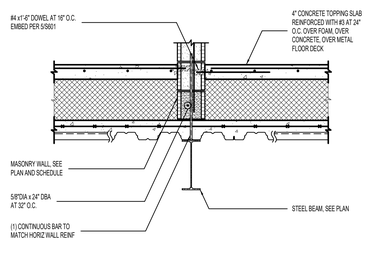


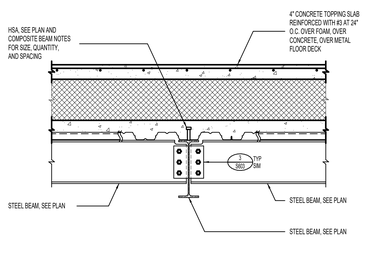
7 TYPICAL STEEL BEAM/JOIST AT SLAB EDGE WITH MASONRY WALL ABOVE
NO SCALE



8 TYPICAL STEEL BEAM WITH MASONRY WALL ABOVE
NO SCALE



9 TYPICAL STEEL BEAM WITH MASONRY WALL ABOVE
NO SCALE



10 TYPICAL STEEL BEAM TO STEEL BEAM CONNECTION
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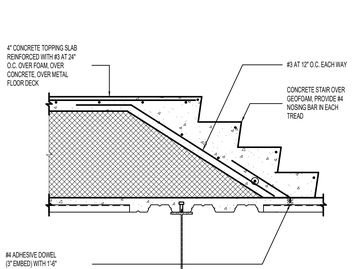

11 DECK BEARING AT CONCRETE STAIRS
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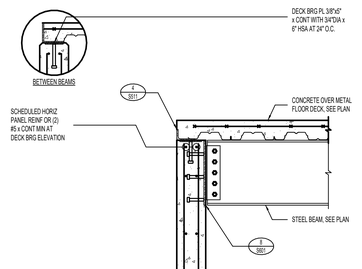

12 TYPICAL BEAM/DECK BEARING AT CONCRETE TILT-UP WALL PANEL
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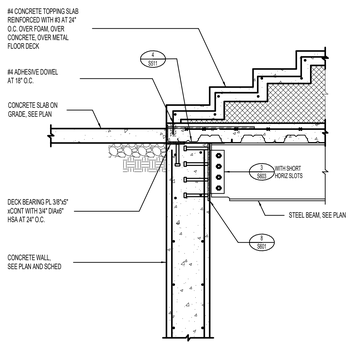
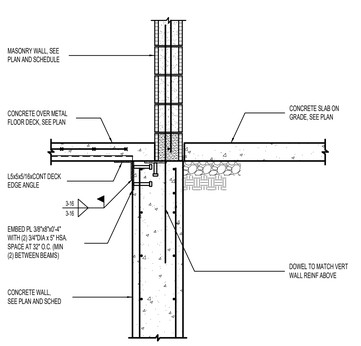


13 TYPICAL BEAM/DECK BEARING AT CONCRETE WALL
NO SCALE



14 MASONRY WALL CONNECTION TO WALL DETAIL
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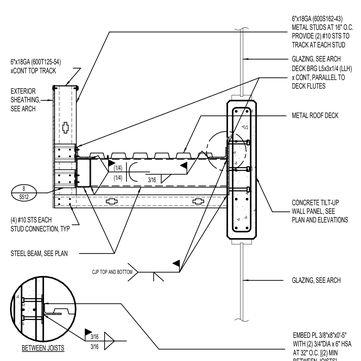

15 STEEL CANOPY CONNECTION DETAIL AT CONCRETE TILT-UP WALL
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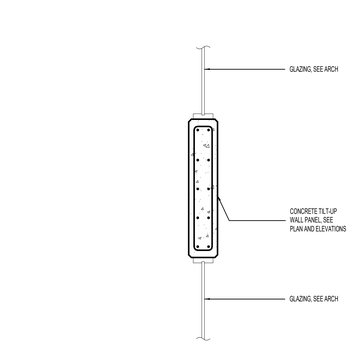
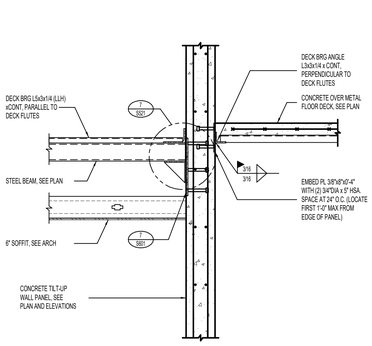


16 TILT PANEL DETAIL AT GLAZING
NO SCALE



17 TYPICAL DECK BEARING AT CONCRETE TILT-UP WALL PANEL
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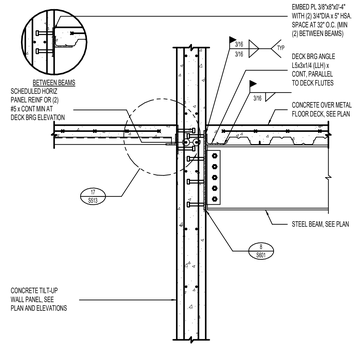

18 TYPICAL BEAM/DECK BEARING AT CONCRETE TILT-UP WALL PANEL
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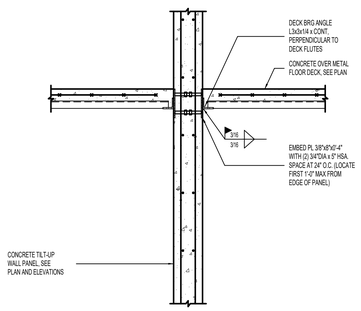

19 TYPICAL DECK BEARING AT CONCRETE TILT-UP WALL PANEL
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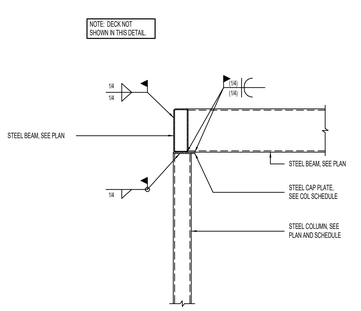

20 STEEL BEAM CONNECTION TO STEEL COLUMN
NO SCALE

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DETAILS

S513

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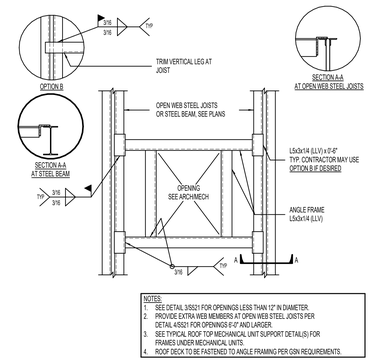
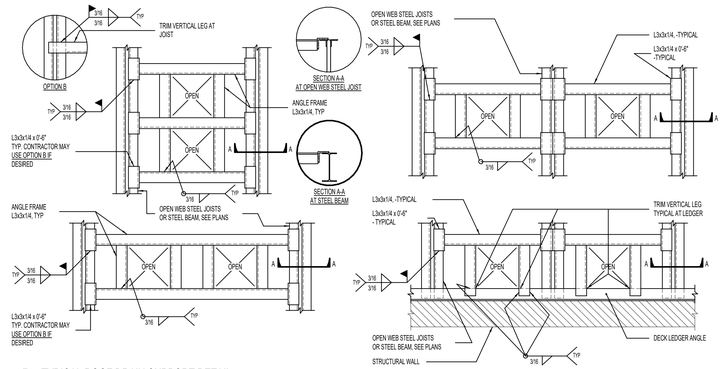
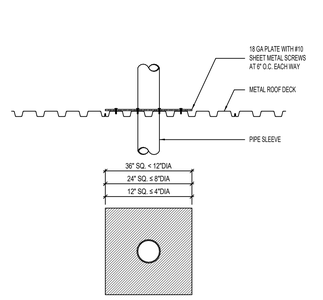


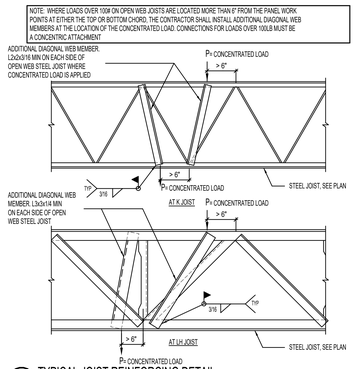
1 TYPICAL ROOF OPENING DETAIL [PLAN VIEW] — NO SCALE



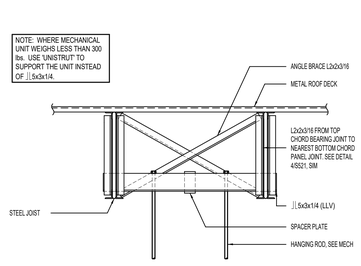
2 TYPICAL ROOF DRAIN SUPPORT DETAIL [PLAN VIEW] — NO SCALE



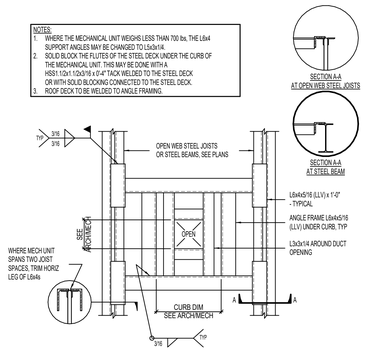
3 TYPICAL PIPE SLEEVE THROUGH ROOF DECK — NO SCALE



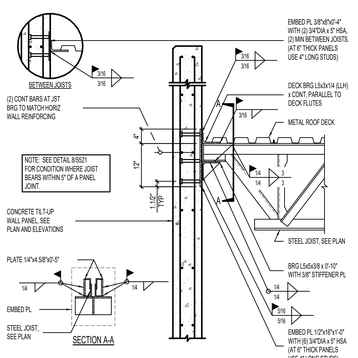
4 TYPICAL JOIST REINFORCING DETAIL FOR LOADS GREATER THAN 100 POUNDS — NO SCALE



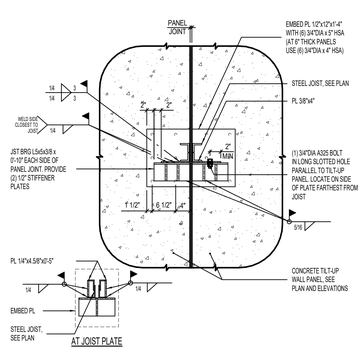
5 TYPICAL HANGING MECHANICAL UNIT SUPPORT DETAIL — NO SCALE



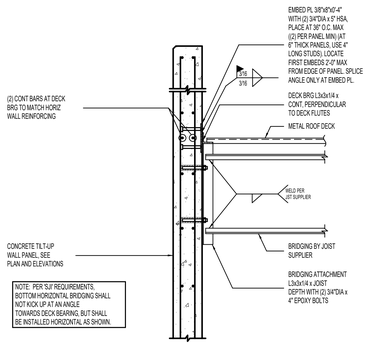
6 TYPICAL ROOF TOP MECHANICAL UNIT SUPPORT DETAIL [PLAN VIEW] — NO SCALE



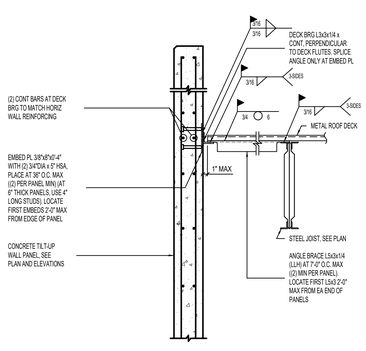
7 TYPICAL 'LH' JOIST AND DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



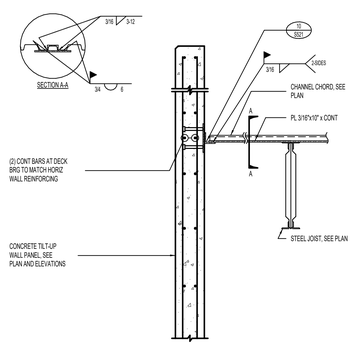
8 TYPICAL 'LH' JOIST BEARING WITHIN 5" OF A PANEL JOINT — NO SCALE



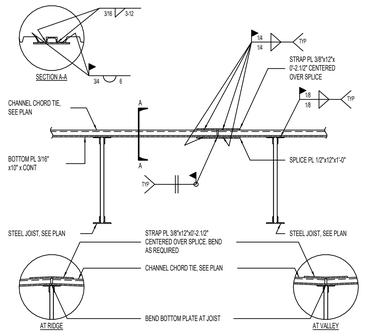
9 TYPICAL DECK BEARING/BRIDGING ATTACHMENT AT CONCRETE TILT-UP WALL PANEL — NO SCALE



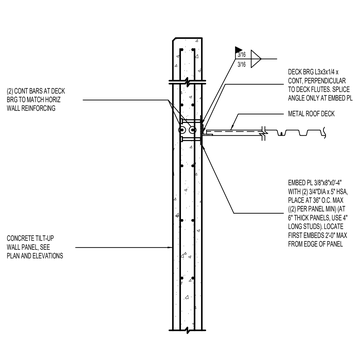
10 TYPICAL STEEL BRACE TO CONCRETE TILT-UP WALL PANEL CONNECTION — NO SCALE



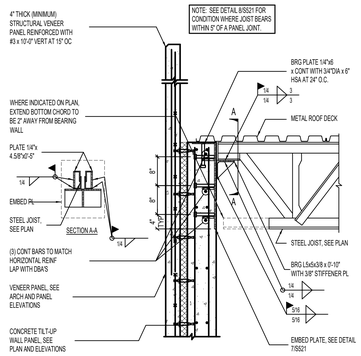
11 TYPICAL CHANNEL CHORD TO CONCRETE TILT-UP PANEL — NO SCALE



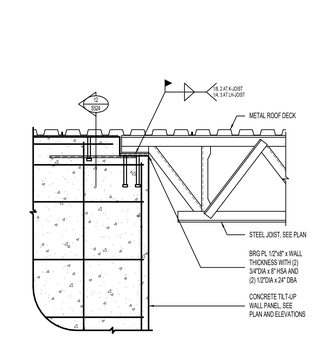
12 TYPICAL CHANNEL CHORD TIE DETAIL — NO SCALE



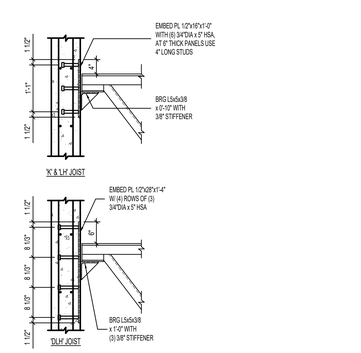
13 TYPICAL DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



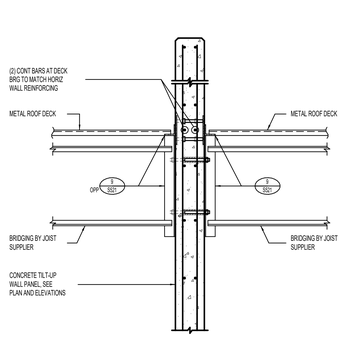
14 TYPICAL JOIST AND DECK BEARING AT SANDWICH TILT-UP WALL PANEL — NO SCALE



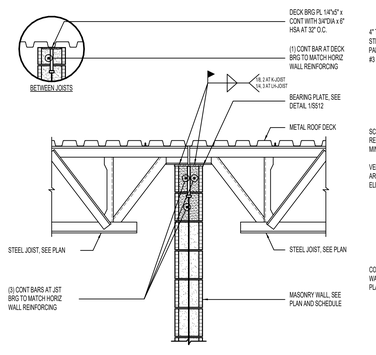
15 JOIST BEARING AT END OF WALL — NO SCALE



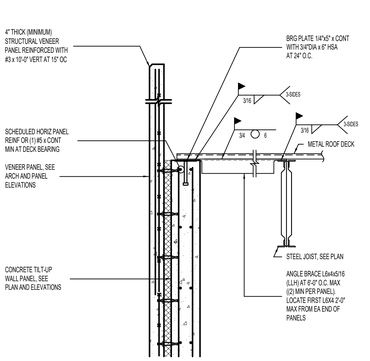
16 TYPICAL ROOF JOIST EMBED PLATE — NO SCALE



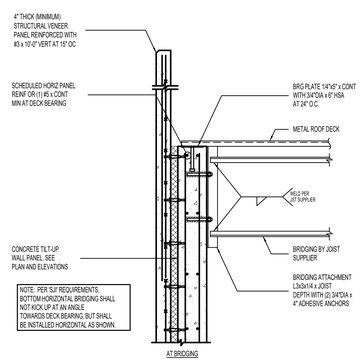
17 TYPICAL DECK BEARING/BRIDGING ATTACHMENT AT CONCRETE TILT-UP WALL PANEL — NO SCALE



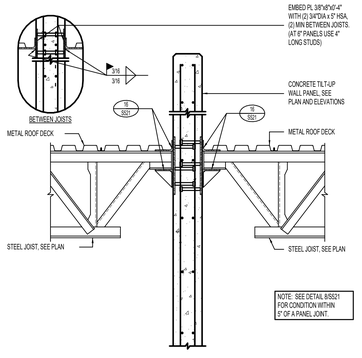
18 TYPICAL JOIST/DECK BEARING AT MASONRY WALLS — NO SCALE



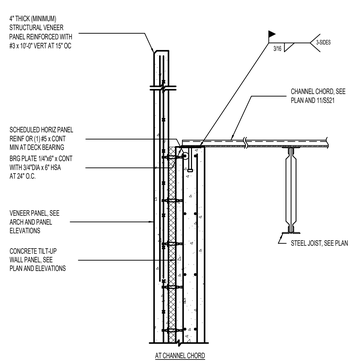
19 TYPICAL STEEL BRACE TO CONCRETE TILT-UP WALL PANEL CONNECTION — NO SCALE



20 TYPICAL DECK BEARING/BRIDGING TO CONCRETE TILT-UP WALL PANEL CONNECTION — NO SCALE



21 TYPICAL 'LH' AND 'K' JOIST (5" BRG END)/ DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



22 TYPICAL CHANNEL CHORD TO CONCRETE TILT-UP SANDWITCH WALL PANEL CONNECTION — NO SCALE

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DRAWING ISSUE	
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TRAVIS ROSS BRACKUS
STATE OF UTAH
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Stamp

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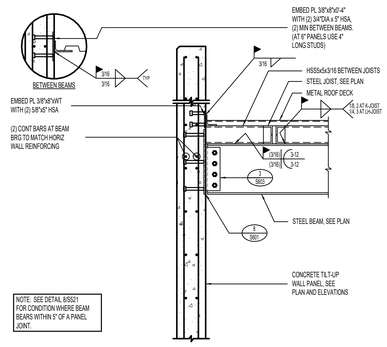
S521



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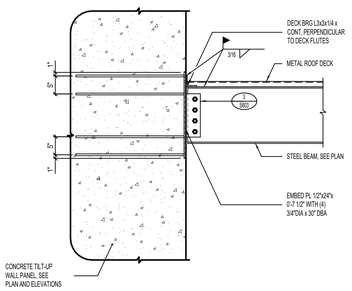

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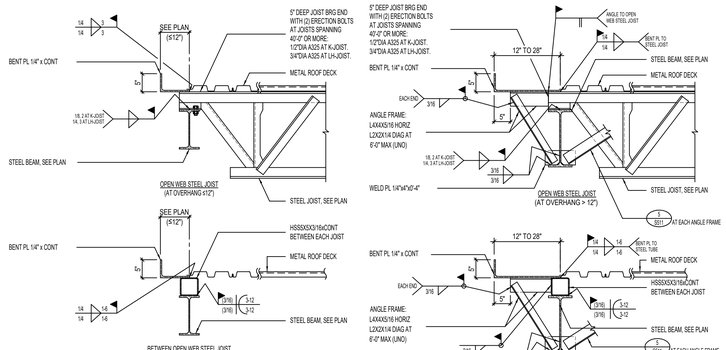
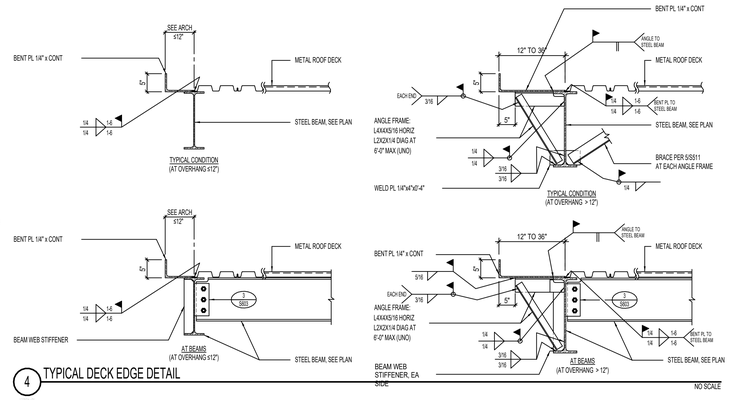


3 TYPICAL SLAB EDGE DETAIL AT OPEN WEB STEEL JOIST — NO SCALE



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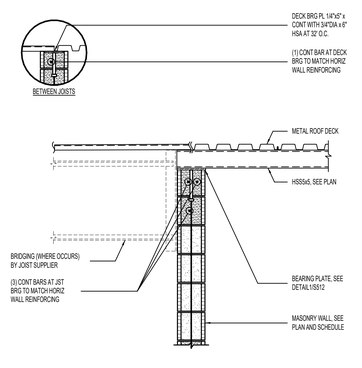
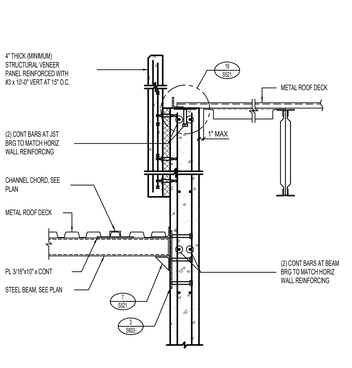


5 STEEL JOIST/TUBE BEAM BEARING AT BEAM/COLUMN — NO SCALE



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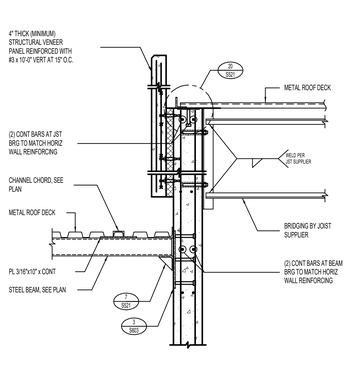
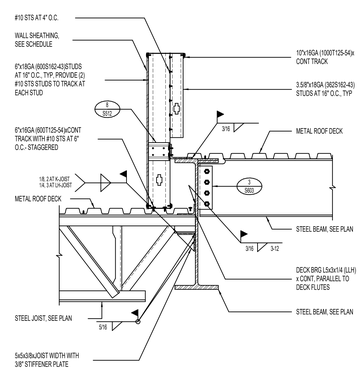
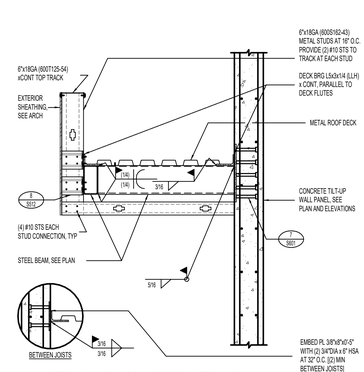


7 TYPICAL JOIST/DECK BEARING AT MASONRY WALL — NO SCALE

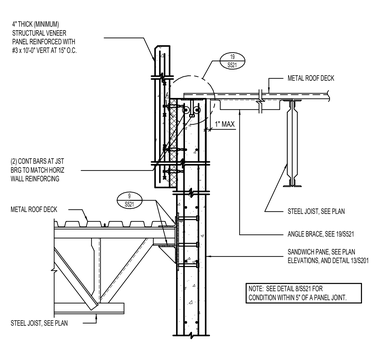


8 TYPICAL DECK BEARING AT MASONRY WALL WITH BRIDGING ATTACHMENT — NO SCALE

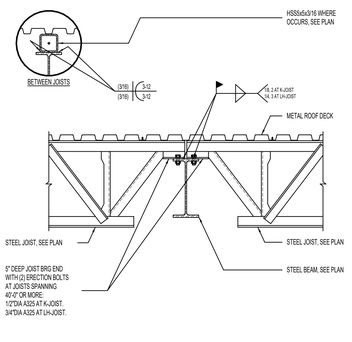


9 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE

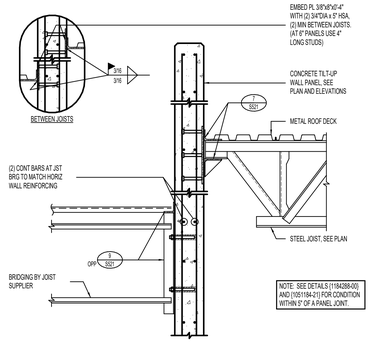
10 TYPICAL 'LH' JOIST BEARING AT STEEL BEAM — NO SCALE



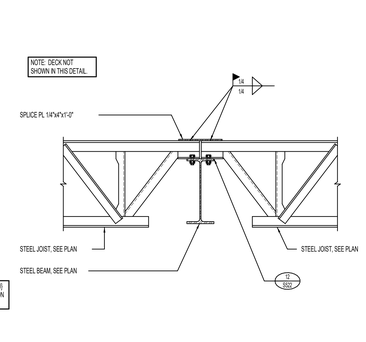
11 TYPICAL OFFSET 'DLH' AND 'K' JOIST (5" BRG END)/ DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



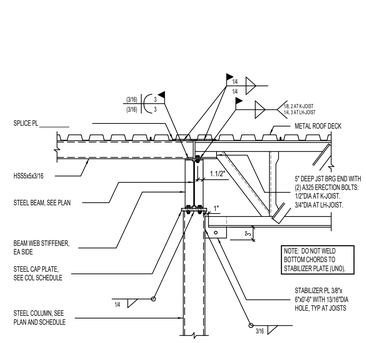
12 TYPICAL JOIST BEARING AT STEEL BEAM — NO SCALE



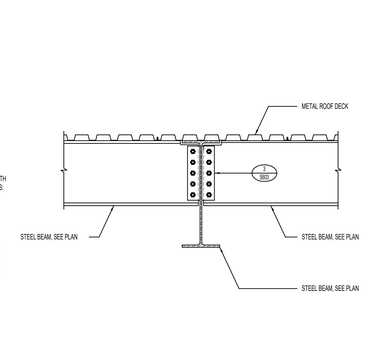
13 TYPICAL OFFSET 'DLH' AND 'K' JOIST (5" BRG END)/ DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



14 TYPICAL JOIST CHORD TIE/DRAG STRUT DETAIL — NO SCALE



15 STEEL JOIST/TUBE BEAM BEARING AT BEAM/COLUMN — NO SCALE



16 STEEL BEAM BEARING AT STEEL BEAM — NO SCALE

17 TYPICAL BEAM/DECK BEARING AT MASONRY WALL — NO SCALE

18 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE

19 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE

20 TYPICAL JOIST/BEAM BEARING AT STEEL BEAM — NO SCALE

21 STEEL CANOPY CONNECTION DETAIL AT CONCRETE TILT-UP WALL — NO SCALE

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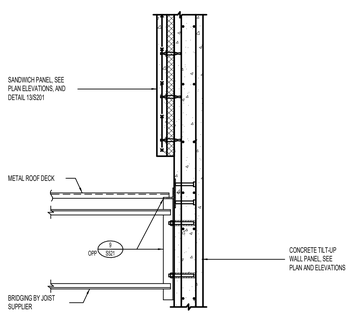
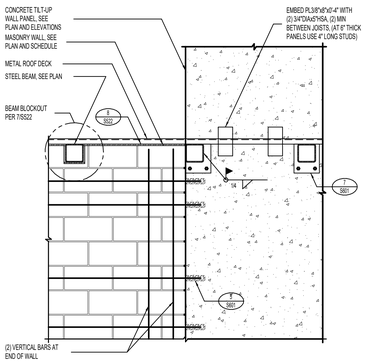
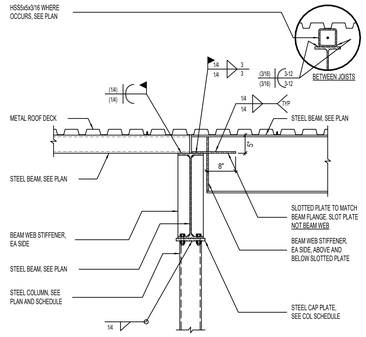
S522



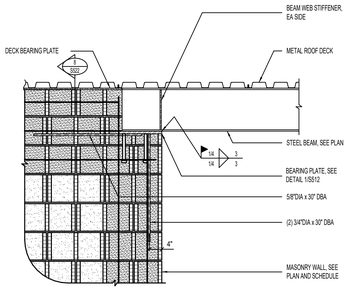
1 LOW ROOF DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



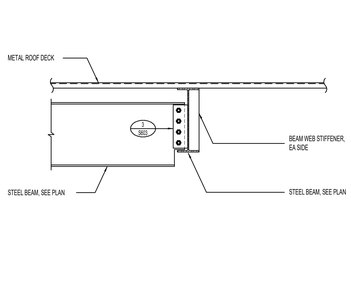
2 STEEL BEAM CONNECTION TO TILT-UP WALL PANEL AT EDGE — NO SCALE



3 TYPICAL STEEL BEAMS BEARING AT STEEL BEAM — NO SCALE



4 STEEL BEAM AT MASONRY WALL — NO SCALE



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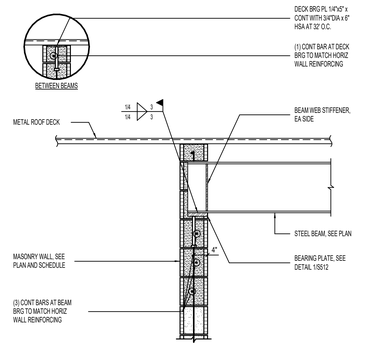

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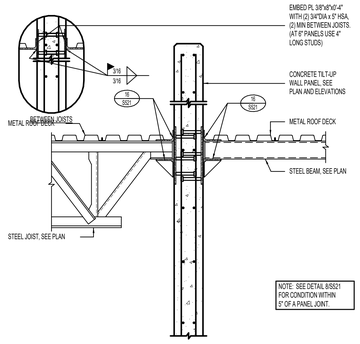

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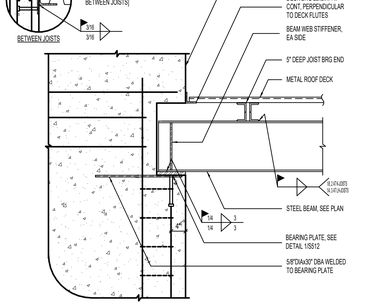
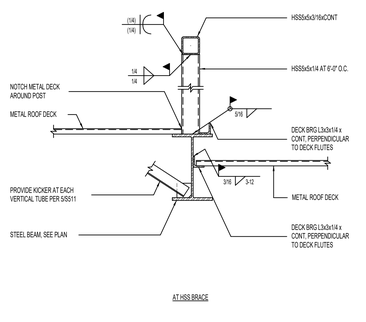
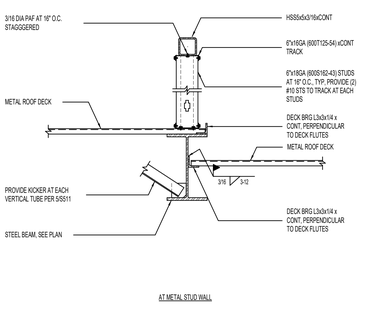


8 STEEL BEAM AT MASONRY WALL — NO SCALE



9 TYPICAL DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE



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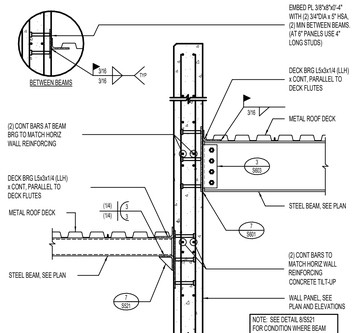

11 TYPICAL DECK BEARING/BRIDGING ATTACHMENT AT CONCRETE TILT-UP WALL PANEL — NO SCALE

12 ROOF DECK BEARING DETAIL AT STAIR CORE — NO SCALE

13 TYPICAL STEEL BRACE AT OPEN WEB STEEL JOIST DETAIL — NO SCALE

14 ROOF DECK BEARING DETAIL AT STAIR CORE — NO SCALE

15 STEEL BEAM BEARING ON STEEL COLUMN — NO SCALE

16 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE

17 ELEVATOR/LIFELINE BEAM BEARING AT MASONRY WALL — NO SCALE

18 BEAM TO TILT UP CONNECTION DETAIL AT STAGE — NO SCALE

19 TYPICAL 'LH' AND 'HSS' JOIST (5" BRG END)/ DECK BEARING AT CONCRETE TILT-UP WALL PANEL — NO SCALE

20 STEEL BEAM/JOIST BEARING AT TILT-UP WALL — NO SCALE

21 PARAPET BRACE DETAIL — NO SCALE

22 BEAM AND DECK BEARING DETAIL AT CONCRETE TILT-UP WALL PANEL — NO SCALE

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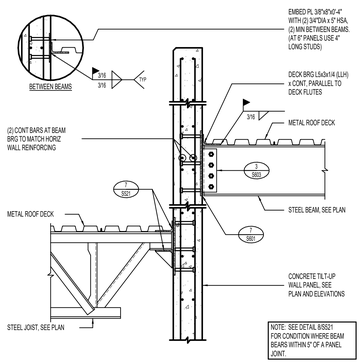
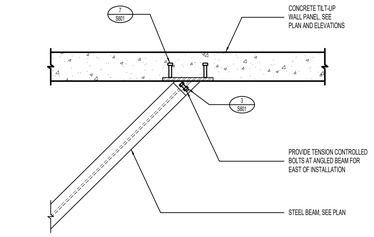
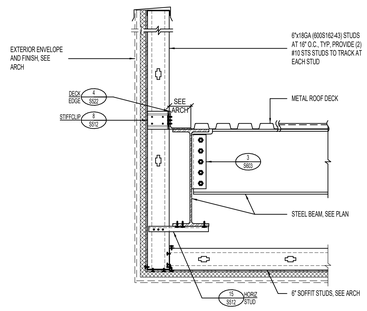


1 BEAM AND DECK BEARING DETAIL AT CONCRETE TILT-UP WALL PANEL — NO SCALE



2 TILT PANEL CONNECTION AT ANGLED BEAM [PLAN VIEW] — NO SCALE



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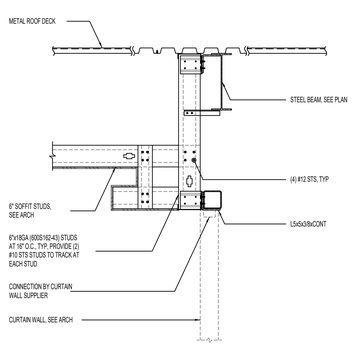

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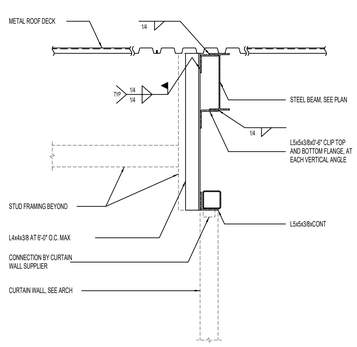
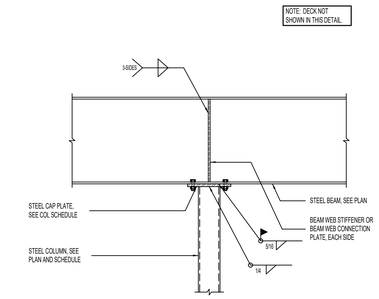
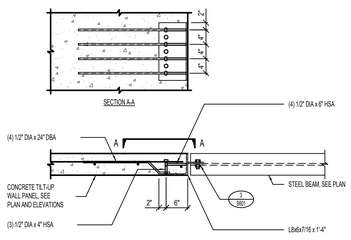
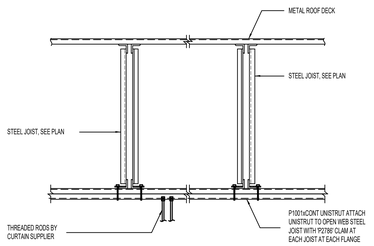




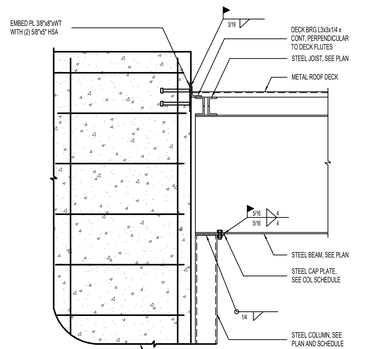
5 TYPICAL STEEL BEAM CARRYING AT STEEL COLUMN — NO SCALE



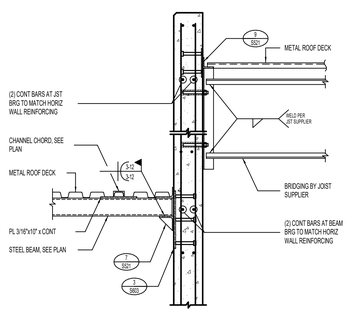
6 BEAM TO TILT CONNECTION (PLAN VIEW) — NO SCALE



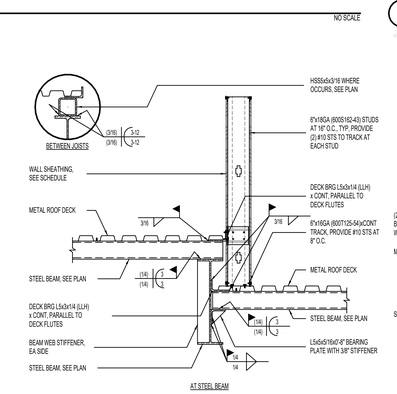
7 GYM DIVIDER CURTAIN ATTACHMENT DETAIL — NO SCALE



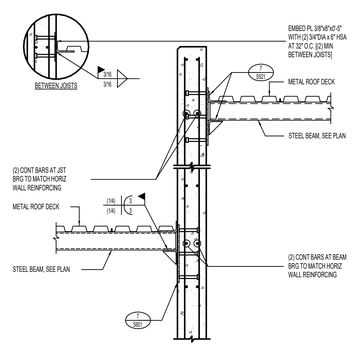
8 BEAM TO TILT-UP CONNECTION DETAIL — NO SCALE



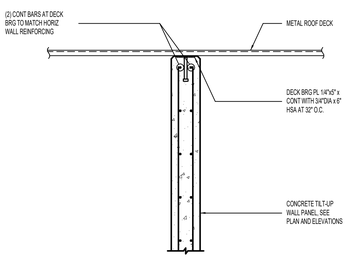
9 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE



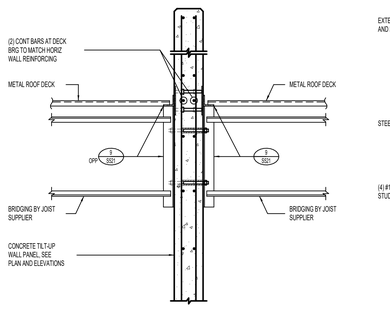
10 STEEL ROOF DETAIL AT BUILDING OFFSET — NO SCALE



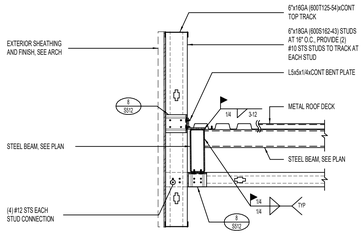
11 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE



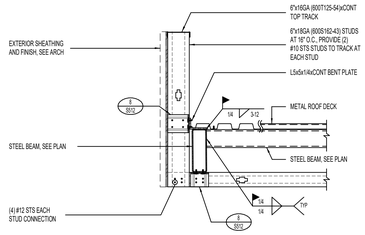
12 ROOF DECK OVER CONCRETE TILT-UP WALL PANEL — NO SCALE



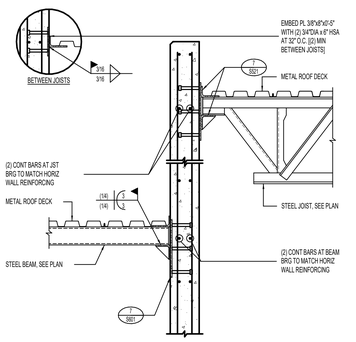
13 TYPICAL DECK BEARING/BRIDGING ATTACHMENT AT CONCRETE TILT-UP WALL PANEL — NO SCALE



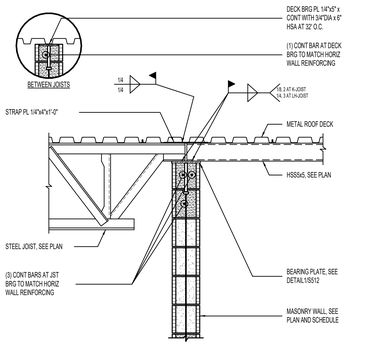
14 ROOF DECK BEARING DETAIL AT CANOPY EDGE — NO SCALE



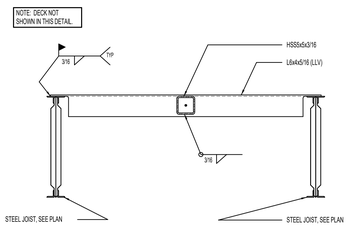
15 ROOF DECK BEARING DETAIL AT CANOPY EDGE — NO SCALE



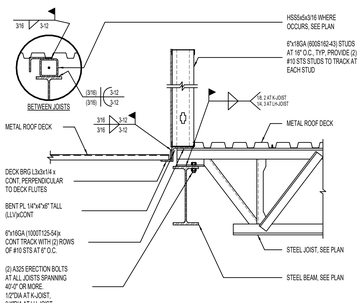
16 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE



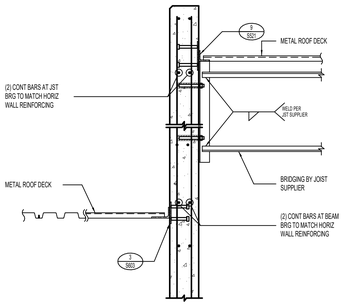
17 TYPICAL JOIST/DECK BEARING AT MASONRY WALL — NO SCALE



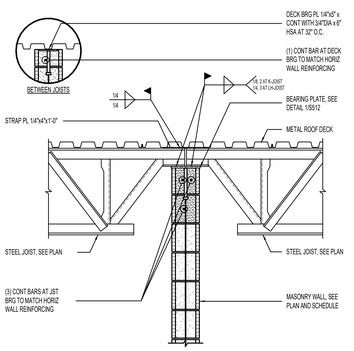
18 COLUMN BRACING DETAIL — NO SCALE



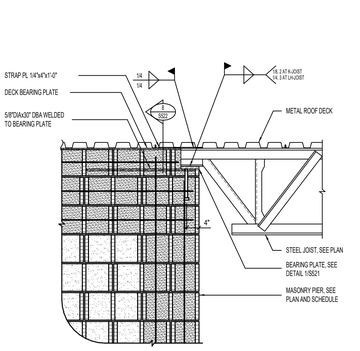
19 TYPICAL 'LH' JOIST BEARING AT STEEL BEAM — NO SCALE



9 LOW ROOF/HIGH ROOF TRANSITION — NO SCALE



21 TYPICAL JOIST/DECK BEARING AT MASONRY WALLS AT DRAG — NO SCALE



22 STEEL JOIST BEARING AT MASONRY PIER — NO SCALE

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DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

DETAILS

S524

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CONCRETE CONTINUOUS FOOTING SCHEDULE (FC)

MARK	WIDTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
			No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING	
FC2.0	2' - 0"	12"	-	#4	1' - 6"	48"	3	#4	CONT	EQ	
FC2.0A	2' - 0"	12"	-	#4	1' - 6"	48"	3	#4	CONT	EQ	REINFORCE TOP AND BOTTOM
FC2.5	2' - 6"	12"	-	#5	2' - 0"	14"	3	#5	CONT	EQ	
FC2.5A	2' - 6"	12"	-	#5	2' - 0"	14"	3	#5	CONT	EQ	REINFORCE TOP AND BOTTOM
FC3.0	3' - 0"	12"	-	#5	2' - 6"	14"	3	#5	CONT	EQ	
FC3.0A	3' - 0"	12"	-	#5	2' - 6"	14"	3	#5	CONT	EQ	
FC3.5	3' - 6"	12"	-	#5	3' - 0"	14"	3	#5	CONT	EQ	
FC3.5A	3' - 6"	12"	-	#5	3' - 0"	14"	3	#5	CONT	EQ	REINFORCE TOP AND BOTTOM
FC4.5A	4' - 6"	16"	-	#5	4' - 0"	14"	4	#5	CONT	EQ	REINFORCE TOP AND BOTTOM
FC5.5	5' - 6"	15"	-	#5	5' - 0"	14"	6	#5	CONT	EQ	
FC11.0A	11' - 0"	18"	-	#7	10' - 6"	12"	10	#7	CONT	EQ	REINFORCE TOP AND BOTTOM
FC12.0A	12' - 0"	24"	-	#7	11' - 6"	8"	13	#7	CONT	EQ	<varies>

CONCRETE SPOT FOOTING SCHEDULE (FS)

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING	
FS3.0	3' - 0"	3' - 0"	12"	3	#5	2' - 6"	EQ	3	#5	2' - 6"	EQ	
FS4.0	4' - 0"	4' - 0"	12"	4	#5	3' - 6"	EQ	4	#5	3' - 6"	EQ	
FS4.5	4' - 6"	4' - 6"	13"	5	#5	4' - 0"	EQ	5	#5	4' - 0"	EQ	
FS5.0	5' - 0"	5' - 0"	14"	6	#5	4' - 6"	EQ	6	#5	4' - 6"	EQ	
FS6.0	6' - 0"	6' - 0"	16"	6	#6	5' - 6"	EQ	6	#6	5' - 6"	EQ	
FS6.5	6' - 6"	6' - 6"	18"	6	#6	6' - 0"	EQ	6	#6	6' - 0"	EQ	
FS7.0	7' - 0"	7' - 0"	19"	7	#6	6' - 6"	EQ	7	#6	6' - 6"	EQ	

CONCRETE THICKENED SLAB FOOTING SCHEDULE (FTS)

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING	
FTS2.0	2' - 0"		12"	-	#4	1' - 6"	48"	3	#4	CONT	EQ	

CONCRETE FOOTING NOTES:
1. PLACE ALL FOOTING REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNO).
2. TOP REINFORCING, WHERE OCCURS, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH-FORMED, FOOTINGS SHALL BE 8" LONGER AND WIDER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. SOME SCHEDULED FOOTINGS MAY NOT BE USED. SEE FOOTING AND FOUNDATION PLAN FOR FOOTING MARKS.

1 CONCRETE FOOTING SCHEDULE
1/2" = 1'-0"

CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

BAR SIZE	f'c = 3000psi & f'c = 3500 psi				f'c = 4000psi & f'c = 4500 psi				f'c = 5000psi				f'c = 6000psi			
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"	12"	16"	15"	20"
#4	22"	29"	29"	37"	19"	25"	25"	32"	17"	22"	22"	29"	16"	20"	20"	27"
#5	28"	36"	36"	47"	24"	31"	31"	40"	22"	28"	28"	36"	20"	26"	26"	33"
#6	33"	43"	43"	56"	29"	37"	37"	48"	26"	33"	33"	43"	24"	31"	31"	40"
#7	48"	63"	63"	81"	42"	54"	54"	70"	37"	49"	49"	63"	34"	44"	44"	58"
#8	55"	72"	72"	93"	48"	62"	62"	80"	43"	56"	55"	72"	39"	51"	51"	66"
#9	62"	81"	81"	105"	54"	70"	70"	91"	48"	63"	63"	81"	44"	57"	57"	74"
#10	70"	91"	91"	118"	61"	79"	79"	102"	54"	70"	70"	91"	50"	64"	64"	83"
#11	78"	101"	101"	131"	67"	87"	87"	113"	60"	78"	78"	101"	55"	71"	71"	93"

TABULATED VALUES ARE FOR CASE 1 REINFORCEMENT, WHERE THE REQUIREMENTS OF TABLE BELOW ARE MET. WHERE THESE CONDITIONS ARE NOT MET, MULTIPLY THE LAP LENGTHS (l_d) BY 1.5.

REQUIREMENT FOR CASE 1 LAP LENGTHS

BAR CLEAR SPACING	CLEAR COVER	STIRRUPS OR TIES
>=db	>=db	>=CODE MINIMUM THROUGHOUT l_d
>=2db	>=db	NO REQUIREMENT

db = BAR DIAMETER
l_d = LAP SPLICE LENGTH
l_d = DEVELOPMENT LENGTH = CLASS A SPLICE LENGTH

CONCRETE REINFORCING BAR LAP SPLICE NOTES:
1. THIS SCHEDULE SHALL BE USED FOR ALL BAR SPLICES IN CONCRETE, UNLESS NOTED OTHERWISE.
2. CLASS 'A' SPLICES MAY BE USED ONLY AT SLABS ON GRADE OR WHERE APPROVED BY EOR IN CASES WHERE 50% OR LESS OF THE BARS ARE SPLICED WITHIN THE LAP SPLICE LENGTH.
3. CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
5. DO NOT SPLICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.
6. THE VALUES TABULATED IN SCHEDULE ARE FOR GRADE 60 REINFORCING BARS. FOR GRADE 80, MULTIPLY LAP LENGTHS BY 1.53.
7. THE VALUES TABULATED IN SCHEDULE ARE MINIMUM REQUIREMENTS. LONGER LENGTHS MAY BE USED FOR CONSTRUCTIBILITY.
8. LAP SPLICES ARE NOT ALLOWED FOR BARS GREATER THAN #11 BAR. THE LENGTHS IN SCHEDULE ARE FOR TENSION DEVELOPMENT LENGTH.
9. TOP BARS ARE CLASSIFIED AS HORIZONTAL BARS WHERE 12", OR MORE, OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BAR.
10. FOR EPOXY-COATED OR ZINC AND EPOXY DUAL-COATED BARS WITH CLEAR COVER < 3db OR CLEAR SPACING <6db , MULTIPLY LAP LENGTHS BY 1.5. FOR ALL OTHER CASES MULTIPLY BY 1.2
11. FOR LIGHT WEIGHT CONCRETE, MULTIPLY LAP LENGTHS BY 1.33.
12. SPLICES FOR BUNDLED BARS:
    A. FOR BUNDLED BARS OF THREE OR LESS, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2.
    B. FOR BUNDLED BARS OF FOUR OR MORE, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.33.
    C. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP.
    D. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
13. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

2 CONCRETE REINFORCING - BAR LAP SPLICE SCHEDULE
3/4" = 1'-0"

CONCRETE WALL SCHEDULES

MARK	THICKNESS	REINFORCING			WALL TYPE	COMMENTS
		VERTICAL	HORIZONTAL	TOP AND BOTTOM		
CW-8A	8"	#4 AT 18" O.C.	#4 AT 12" O.C.	(1) #4 BARS	A	
CW-14A	14"	#7 AT 10" O.C. I.F. #4 AT 12" O.C., O.F.	#4 AT 16" O.C. E.F.	(2) #4 BARS	C	PROVIDE 5,000 PSI CONCRETE
CW-14B	14"	#10 AT 6" O.C. I.F. #4 AT 12" O.C., O.F.	#4 AT 16" O.C. E.F.	(2) #4 BARS	C	PROVIDE 5,000 PSI CONCRETE

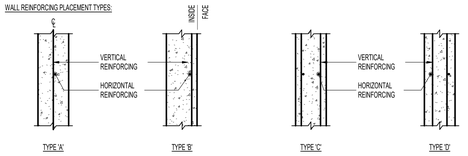
CONCRETE FOUNDATION WALL NOTES:
1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS:
EACH FACE E.F.
INSIDE FACE I.F.
OUTSIDE FACE O.F.

WALLS NOT DESIGNATED IN PLAN

THICKNESS	REINFORCING	
	VERTICAL	HORIZONTAL
6"	#4 BARS AT 18" O.C.	#4 BARS AT 18" O.C.
8"	#4 BARS AT 18" O.C.	#4 BARS AT 12" O.C.
10"	#4 BARS AT 16" O.C.	#5 BARS AT 15" O.C.
12"	#4 BARS AT 16" O.C. E.F.	#4 BARS AT 16" O.C. E.F.

WALL REINFORCING PLACEMENT TYPES:



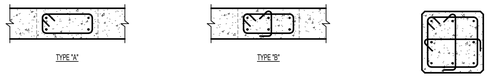
TYPE 'A' TYPE 'B' TYPE 'C' TYPE 'D'

3 CONCRETE WALL SCHEDULE
3/4" = 1'-0"

CONCRETE PIER SCHEDULE

MARK	PIER SIZE	REINFORCING		TYPE	COMMENTS
	W x L	VERTICAL	TIES		
CP-16A	'WT' x 16"	(4) #5 BARS	#3 AT 6" O.C.	A	
CP-16B	14" x 16"	(6) #5 BARS	(2) #3 AT 6" O.C.	A	
CP-16C	16" x 16"	(4) #5 BARS	(3) #3 AT 6" O.C.	C	
CP-24A	14" x 24"	(6) #5 BARS	(2) #3 AT 6" O.C.	B	
CP-24B	24" x 24"	(8) #6 BARS	(3) #3 AT 6" O.C.	C	

CONCRETE PIER NOTES:
1. INSTALL (3) SETS OF TIES WITHIN TOP 5" OF ALL PIERS (UNO).
2. RUN HORIZONTAL CONCRETE WALL REINFORCING CONTINUOUS THROUGH PIER WHEN PIER IS POURED MONOLITHICALLY WITH CONCRETE WALL.
3. ALTERNATE THE POSITION OF 135 DEGREE HOOK IN EACH LAYER OF TIES.
4. AT ALL PIERS LOCATED IN CONCRETE SHEAR WALLS, CONTINUE TIES 12" MINIMUM INTO FOOTING.
5. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

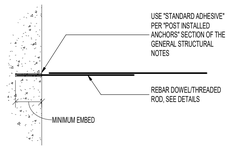


TYPE 'A' TYPE 'B' TYPE 'C'

4 CONCRETE PIER SCHEDULE
3/4" = 1'-0"

STANDARD ADHESIVE EMBEDMENT SCHEDULE

REBAR DOWEL (THREADED ROD SIZE)	MIN EMBEDMENT INTO CONCRETE OR GROUTED MASONRY
#3 (3/8")	3 3/8"
#4 (1/2")	4 1/2"
#5 (5/8")	5 5/8"
#6 (3/4")	6 3/4"



STANDARD ADHESIVE EMBEDMENT NOTES:
1. SPECIFIC EMBEDMENTS, NOTES AND DETAILS IN DRAWINGS SHALL GOVERN OVER THIS SCHEDULE.
2. HOLE DIAMETER SHALL BE DOWEL/ROD DIAMETER PLUS 1/8". FOLLOW MANUFACTURER'S INSTRUCTIONS FOR HOLE PREPARATION.
3. PROVIDE A 3" MINIMUM EDGE DISTANCE TO CENTER OF HOLE.
4. CONTACT STRUCTURAL ENGINEER IF MINIMUM EMBEDMENTS INDICATED ABOVE ARE NOT ACHIEVABLE.
5. SEE "POST INSTALLED ANCHORS" SECTION OF GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

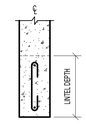
5 STANDARD ADHESIVE EMBEDMENT SCHEDULE
3/4" = 1'-0"

CONCRETE LINTEL SCHEDULE

MARK	THICKNESS	LINTEL DEPTH	REINFORCING		TYPE	COMMENTS
			HORIZONTAL	STIRRUPS		
CL-16A	1' - 2"	1' - 4"	(1) #5 TOP AND BOTTOM	#4 AT 8" O.C.	A	

CONCRETE LINTEL NOTES:
1. HORIZONTAL REINFORCING SHALL EXTEND 4'-0" BETOND EDGE OF OPENING. IF HORIZONTAL REINFORCING CANNOT EXTEND 4'-0" BEYOND EDGE OF OPENING, PROVIDE 90 DEGREE STANDARD HOOK.
2. SPLICE TOP BARS AT MID-SPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
3. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

LINTEL REINFORCING PLACEMENT TYPES:

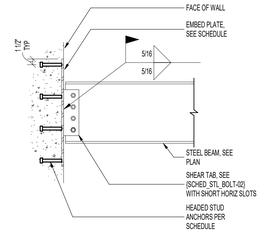


TYPE 'A'

6 CONCRETE LINTEL SCHEDULE
3/4" = 1'-0"

CONNECTION SCHEDULE

BEAM DEPTH	EMBED PLATE	ANCHORS
W8, W10, W12 HSS5, HSS12	PL 1/2"x16"x1'-0"	(3) ROWS OF (2) 3/4"DIA x 5" HSA ((6) TOTAL)
W14, W16	PL 1/2"x28"x1'-0"	(6) ROWS OF (2) 3/4"DIA x 5" HSA ((12) TOTAL)
W18, W21	PL 1/2"x30"x1'-6"	(7) ROWS OF (3) 3/4"DIA x 5" HSA ((21) TOTAL)

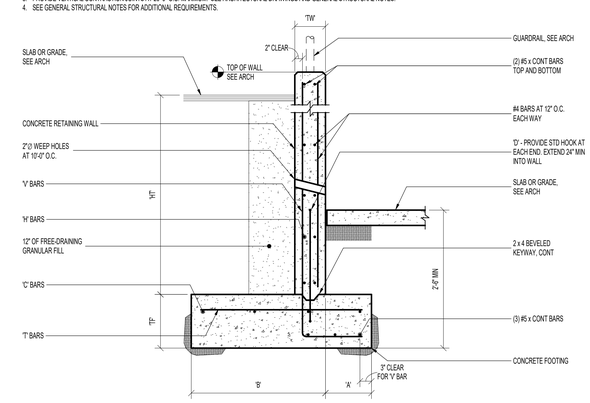


7 TYPICAL EMBED PLATE CONNECTION SCHEDULE FOR CONCRETE WALLS
3/4" = 1'-0"

CONCRETE RETAINING WALL SCHEDULE

CRW FOOTING			CRW WALL												
DIMS			'HT'	'TW'	V		H		T		C		D		COMMENTS
A	B	TF			SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	
1'-6"	1'-6"	12"	4'-0"	8"	#5	12"	#4	16"	#5	12"	#5	12"	-	-	
2'-6"	2'-6"	14"	6'-0"	8"	#5	12"	#4	16"	#5	12"	#5	12"	-	-	
3'-0"	4'-0"	16"	8'-0"	10"	#5	8"	#4	12"	#5	10"	#5	10"	-	-	

CONCRETE RETAINING WALL NOTES:
1. 'V' BARS SHALL NOT BE SPLICED BELOW MID-HEIGHT OF WALL.
2. WHERE 'HT' IS GREATER THAN 9'-0", SPACING OF V BARS CAN BE INCREASED TO 24" O.C..
3. PROVIDE VERTICAL CONTRACTION JOINTS AT 20'-0" O.C. MAXIMUM. SEE ARCHITECTURAL DRAWINGS AND GENERAL STRUCTURAL NOTES.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



8 CONCRETE RETAINING WALL SCHEDULE
3/4" = 1'-0"

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ISSUE DATE	DRAWING ISSUE
01/10/2025	BID SET
03/25/2025	WWL PROJECT

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2201
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

SCHEDULES

S601

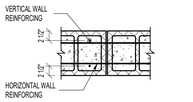
MASONRY WALL SCHEDULES

MARK	THICKNESS	MATERIAL	SOLID GROUT	TYPICAL REINFORCING (SEE NOTE 1)		COMMENTS
				VERTICAL	HORIZONTAL	
MW-8A	8"	CMU	Yes	#5 AT 32" O.C.	#4 AT 24" O.C.	
MW-8B	8"	CMU	Yes	#5 AT 16" O.C. E.F.	#4 AT 24" O.C.	

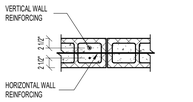
MASONRY WALLS NOT DESIGNATED IN PLAN

THICKNESS	REINFORCING		
	VERTICAL	HORIZONTAL (NOT SOLID GROUTED)	HORIZONTAL (SOLID GROUTED)
6"	#5 AT 32" O.C.	#4 AT 48" O.C.	#4 AT 24" O.C.
8"	#5 AT 32" O.C.	#5 AT 48" O.C.	#4 AT 24" O.C.
10"	#5 AT 24" O.C.	#6 AT 48" O.C.	#5 AT 24" O.C.
12"	#5 AT 24" O.C.	(2) #5 AT 48" O.C.	(2) #4 AT 24" O.C.

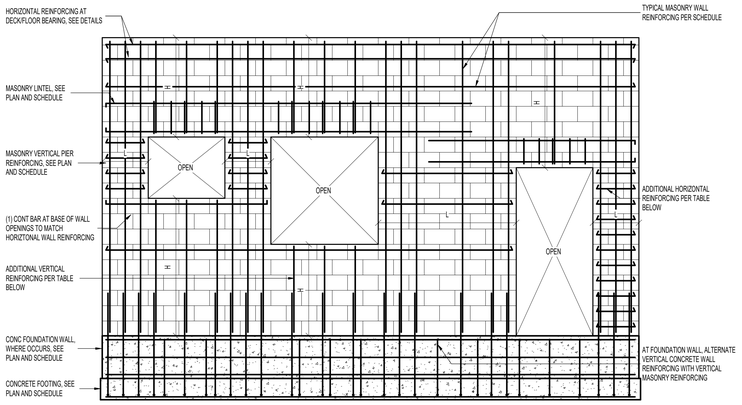
MASONRY WALL NOTES:
1. SPACING OF MASONRY WALL REINFORCING SHALL NOT EXCEED TYPICAL SCHEDULED REINFORCING. SEE ELEVATION AND MASONRY WALL SECTION REINFORCING TABLE BELOW FOR LOCATIONS WHERE TIGHTER SPACING IS REQUIRED.
2. COORDINATE WALL FINISHES, MATERIALS, COURSING, ETC. WITH ARCHITECTURAL DRAWINGS.
3. DO NOT SOLID GROUT WALLS UNLESS REQUIRED BY SCHEDULE, NOTES, OR DETAILS.
4. SOLID GROUT ALL MASONRY COURSES BELOW GRADE.
5. SINGLE LAYER OF VERTICAL REINFORCING SHALL BE CENTERED IN WALL (U.N.O).
6. VERTICAL REINFORCING SHALL EXTEND INTO FOOTINGS AND TERMINATE WITH STANDARD HOOK. FOR CONCRETE FOUNDATION WALLS 4'-0" OR TALLER, VERTICAL WALL REINFORCING SHALL DOWEL 3'-0" MINIMUM INTO THE FOUNDATION WALL (U.N.O).
7. PROVIDE TWO VERTICAL BARS (MIN) AT ALL CORNERS AND END OF WALLS.
8. HORIZONTAL WALL REINFORCING SHALL BE PLACED BETWEEN DOUBLE LAYER OF VERTICAL MASONRY REINFORCING, WHERE OCCURS.
9. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
10. SEE DETAIL (S24001-01) FOR WHERE HORIZONTAL REINFORCING TERMINATES AT EDGE OF OPENINGS.
11. IN CONCRETE FOUNDATION WALL BELOW, ALTERNATE VERTICAL CONCRETE WALL REINFORCING WITH VERTICAL MASONRY REINFORCING.
12. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



DOUBLE VERTICAL LAYER WALL REINFORCING AT 12" MASONRY



DOUBLE VERTICAL LAYER WALL REINFORCING AT 8" AND 10" MASONRY



MARKS AND SYMBOLS LEGEND

———	INDICATES SCHEDULED MASONRY WALL, PIER, OR LINTEL REINFORCING
- - -	INDICATES ADDITIONAL REINFORCING AS REQUIRED PER MASONRY WALL SECTION REINFORCING TABLE
L	INDICATES LENGTH OF WALL SECTION
H	INDICATES HEIGHT OF WALL SECTION

MASONRY WALL SECTION REINFORCING TABLE

HEIGHT OR LENGTH	MAXIMUM SPACING
H OR L ≤ 4'-0"	8" O.C.
4'-0" < H OR L ≤ 6'-0"	16" O.C.
6'-0" < H OR L ≤ 8'-0"	24" O.C.
8'-0" < H OR L ≤ 10'-0"	32" O.C.
10'-0" < H OR L ≤ 12'-0"	40" O.C.
H OR L > 12'-0"	48" O.C.

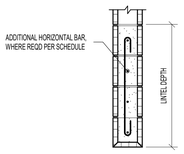
NOTES:
1. ADDITIONAL VERTICAL AND HORIZONTAL REINFORCING SHALL MATCH BAR SIZE OF SCHEDULED WALL REINFORCING AT SPACING INDICATED IN TABLE ABOVE.
2. WHERE 8" SPACING IS REQUIRED, #5 BAR MAY BE USED FOR HORIZONTAL REINFORCING.
3. WHERE SPACING OF SCHEDULED WALL REINFORCING IS LESS THAN TABLE ABOVE, SCHEDULED SPACING SHALL GOVERN.

1 MASONRY WALL SCHEDULE
3/4" = 1'-0"

MASONRY LINTEL SCHEDULE NEW

MARK	LINTEL DEPTH	REINFORCING		TYPE	COMMENTS
		HORIZONTAL	STIRRUPS		
ML-8A	8"	(1) #5xCONT	NONE	-	
ML-16A	16"	(1) #5xCONT TOP AND BOTTOM	NONE	-	
ML-24A	24"	(1) #6xCONT TOP AND BOTTOM	#4 AT 8" O.C.	-	
ML-32A	32"	(1) #7xCONT TOP AND BOTTOM	#4 AT 8" O.C.		

MASONRY LINTEL NOTES:
1. LINTEL WIDTH AND MATERIAL TYPE SHALL BE THE SAME AS THE WALL IN WHICH THE LINTEL IS CONSTRUCTED.
2. GROUT MASONRY LINTELS MONOLITHICALLY WITH THE SUPPORT WALL OR PIER AT EACH END.
3. MASONRY LINTEL ML-8A, SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. WHEN A LINTEL IS SPECIFIED ON THE PLANS, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SPECIFIED ON THE PLANS WHICH HAVE A SPAN GREATERTHAN 3'-4".
4. MASONRY LINTEL ML-8A SHALL NOT BE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS UNLESS NOTED OTHERWISE ON THE PLANS. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON THE PLANS WHICH ARE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS.
5. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING, PROVIDE 90° STANDARD HOOK.
6. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
7. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
8. DOWEL VERTICAL REINFORCING OF WALL ABOVE LINTEL INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
9. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



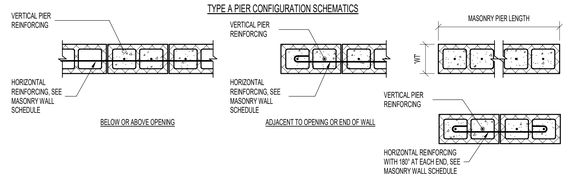
2 MASONRY LINTEL SCHEDULE
3/4" = 1'-0"

MASONRY PIER SCHEDULE

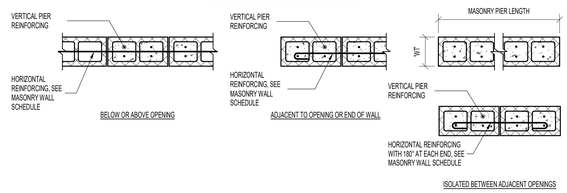
MARK	PIER SIZE		VERTICAL REINFORCING	TYPE	COMMENTS
	'WT' x	L			
MP-16A	'WT'	16"	(2) #5 BARS	A	
MP-24A	'WT'	24"	(3) #5 BARS	A	
MP-32A	'WT'	32"	(4) #5 BARS	A	
MP-40A	'WT'	40"	(5) #5 BARS	A	
MP-40B	'WT'	40"	(10) #5 BARS	B	

MASONRY PIER NOTES:
1. SEE MASONRY WALL SCHEDULE FOR HORIZONTAL REINFORCING REQUIREMENTS FOR ALL PIERS.
2. VERTICAL REINFORCING AND TIES SHALL EXTEND FULL HEIGHT OF WALL (U.N.O).
3. VERTICAL MASONRY PIER REINFORCING SHALL EXTEND INTO THE FOOTING AND TERMINATE WITH A STANDARD 90° HOOK. FOR CONCRETE FOUNDATION WALLS 4'-0" OR TALLER, VERTICAL PIER REINFORCING SHALL DOWEL 3'-0" MINIMUM INTO THE FOUNDATION WALL (U.N.O).
4. IN CONCRETE FOUNDATION WALLS, VERTICAL REINFORCING AT TYPE 'B' MASONRY PIERS SHALL BE TIED WITH #3 TIES AT TOP AND BOTTOM OF FOUNDATION WALL. SEE DETAILS.
5. HORIZONTAL REINFORCING OF ADJACENT WALLS SHALL RUN CONTINUOUS THROUGH MASONRY PIERS.
6. WHERE HORIZONTAL REINFORCING TERMINATES AT PIER, PROVIDE 180° HOOK. SEE SCHEMATICS BELOW.
7. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

TYPE A PIER CONFIGURATION SCHEMATICS



TYPE B PIER CONFIGURATION SCHEMATICS



3 MASONRY PIER SCHEDULE
3/4" = 1'-0"

MASONRY REINFORCING LAP SPLICE SCHEDULE

BAR SIZE	8" MASONRY		10" MASONRY		12" MASONRY	
	(1) BAR PER CELL	(2) BARS PER CELL	(1) BAR PER CELL	(2) BARS PER CELL	(1) BAR PER CELL	(2) BARS PER CELL
#3	12"	12"	12"	12"	12"	12"
#4	13"	21"	12"	20"	12"	20"
#5	20"	35"	16"	32"	13"	32"
#6	38"	SEE NOTE 1	29"	60"	24"	60"
#7	52"	SEE NOTE 1	40"	SEE NOTE 1	33"	63"
#8	SEE NOTE 1	SEE NOTE 1	51"	SEE NOTE 1	50"	SEE NOTE 1

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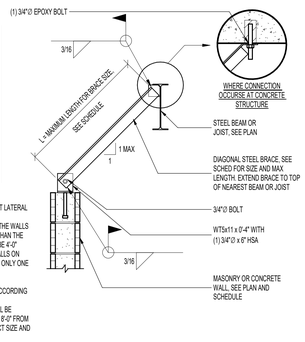
NOTES:
1. WHERE INDICATED, USE MECHANICAL SPLICE COUPLER. SEE GSN FOR REQUIREMENTS.
2. WHERE VERTICAL BARS HAVE A SPECIFIED LAP SPLICE GREATER THAN THE HEIGHT OF THE GROUT POUR, USE MECHANICAL SPLICE COUPLER.

4 MASONRY REINFORCING LAP SPLICE SCHEDULE (f'm=2000psi)
3/4" = 1'-0"

NONBEARING MASONRY OR CONCRETE WALL BRACING SCHEDULE

ANGLE BRACE SIZE	MAXIMUM LENGTH 'L'
L2.1/2x2.1/2x3/16	8'-0"
L3x3x3/16	9'-6"
L3.1/2x3.1/2x1/4	11'-0"
L4x4x1/4	13'-0"
L5x5x5/16	16'-3"
L6x6x5/16	19'-9"

NONBEARING MASONRY OR CONCRETE WALL BRACING NOTES:
1. ALL NONBEARING WALLS AND PARTITIONS SHALL BE BRACED AT THE TOP TO RESIST LATERAL FORCES.
2. WALL AND PARTITIONS MAY BE BRACED BY INTERSECTING WALLS PROVIDED THAT THE WALLS OR PARTITIONS THAT SUPPORT THE WALL ARE EQUAL TO OR GREATER IN HEIGHT THAN THE WALL WHICH THEY BRACE. THE LENGTH OF THE MASONRY SUPPORT WALL SHALL BE 4'-0" MINIMUM. THE MAXIMUM LENGTH OF WALL WHICH MAY BE BRACED WITH OTHER WALLS ON BOTH ENDS IS TWELVE FEET (12'-0") FOR MASONRY WALLS. FOR WALLS BRACED ON ONLY ONE END SHALL BE SIX FEET (6'-0") IN LENGTH.
3. FOR CONDITION AT METAL STUDS, SEE GENERAL STRUCTURAL NOTES.
4. WALLS WHICH DO NOT MEET THE REQUIREMENTS OF NOTE #2 SHALL BE BRACED ACCORDING TO THE FOLLOWING RULE:
   WALLS AND PARTITIONS THAT ARE TERMINATED JUST ABOVE THE CEILING SHALL BE BRACED ACCORDING TO THIS DETAIL. SPACING OF BRACES SHALL NOT EXCEED 8'-0" FROM ANOTHER BRACE OR INTERSECTING WALL. SEE BRACE SCHEDULE FOR CORRECT SIZE AND MAXIMUM LENGTH.

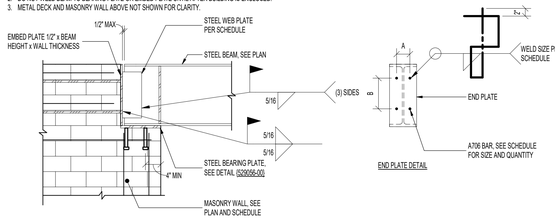


5 NONBEARING MASONRY OR CONCRETE WALL BRACING SCHEDULE
3/4" = 1'-0"
(1S121a)

STEEL DRAG CONNECTION AT MASONRY WALL

BEAM SIZE	BEAM WEB PLATE DIMENSIONS			EMBED PLATE BARS					
	THICKNESS	HEIGHT	WIDTH	BAR SIZE	QUANTITY	BAR LENGTH	SPACING A	SPACING B	WELD SIZE
W12	3/8"	9"	5"	#5	(1) ROW OF (2)	48"	3"	-	3/8"
W16	3/8"	12"	5"	#5	(2) ROWS OF (2)	48"	3"	8"	3/8"
W18	3/8"	15"	5"	#5	(3) ROWS OF (2)	48"	3"	8"	3/8"

NOTES:
1. WHERE BARS ARE INTERRUPTED BY ADJACENT BEAMS BEARING IN WALL, CUT BARS AT BEAM WEB AND WELD TO BEAM WEB ON EACH SIDE OF BEAM WITH FILLET WELD ALL-AROUND PER SCHEDULE ABOVE.
2. DO NOT WELD BEAM TO BEARING PLATE OR EMBED PLATE UNTIL AFTER BUILDING IS ENCLOSED.
3. METAL DECK AND MASONRY WALL ABOVE NOT SHOWN FOR CLARITY.

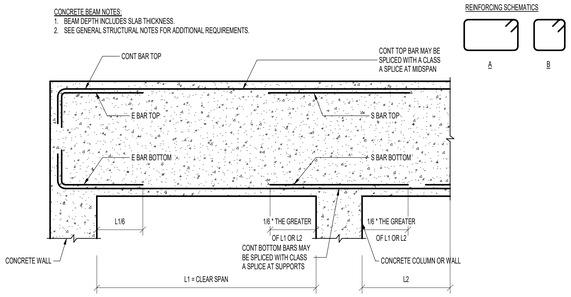


6 STEEL DRAG CONNECTION SCHEDULE AT MASONRY WALL
3/4" = 1'-0"

CONCRETE BEAM SCHEDULE

MARK	BEAM SIZE		TOP REINFORCING			BOTTOM REINFORCING			STIRRUPS FROM FACE OF SUPPORT		COMMENTS
	WIDTH	DEPTH	Cont	E	S	Cont	E	S	S	SCHEMATIC	
CB-8A	8"	40"	(2) #5	(2) #5	(2) #5	(4) #5	(2) #5	(2) #5	#3 STIRRUPS AT 8" O.C.	B	
CB-12A	12"	40"	(2) #5	(2) #5	(2) #5	(4) #5	(2) #5	(2) #5	#3 STIRRUPS AT 8" O.C.	A	

CONCRETE BEAM NOTES:
1. BEAM DEPTH INCLUDES SLAB THICKNESS.
2. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



7 CONCRETE BEAM SCHEDULE
3/4" = 1'-0"

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ISSUE DATE	DRAWING ISSUE
0119.002	BID SET
0325/2025	

NWL PROJECT

PROFESSIONAL STRUCTURAL ENGINEER
No. 9072017-2203
TRAVIS ROSS BRACKUS
STATE OF UTAH
03/24/2025
Stamp

DATE	REVISION

SCHEDULES

S602

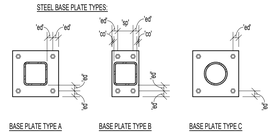
Typ. CAD Reference Template

STEEL COLUMN SCHEDULE

MARK	STEEL COLUMN - TYPE: SIZE	STEEL BASE PLATE THICKNESS	STEEL BASE PLATE PLATE TYPE	STEEL CAP PLATE THICKNESS	STEEL CAP PLATE PLATE TYPE	COMMENTS
SC-3A	SC - HSS : HSS3X3X1/4	3/4"	A	3/4"	A	
SC-5A	SC - HSS : HSS5X5X5/16	3/4"	F	1/2"	B	
SC-5B	SC - HSS : HSS5X5X3/8	3/4"	B	1/2"	A	
SC-5C	SC - HSS : HSS5X5X1/2	3/4"	B	1/2"	B	
SC-5D	SC - HSS : HSS5X5X3/8	1"	B	3/4"	B	
SC-5F	SC - HSS : HSS5X5X3/8	1"	A	3/4"	A	
SC-5G	SC - Pipe : Pipe5STD	3/4"	C	1/2"	D	
SC-6A	SC - HSS : HSS6X6X5/8	3/4"	A	1/2"	A	
SC-8A	SC - HSS : HSS8X4X1/2	1"	B	3/4"	B	
SC-10A	SC - Pipe : Pipe10STD	1"	C	1/2"	C	
SC-10B	SC - HSS : HSS10X5X3/8	1"	A	3/4"	A	
SC-10C	SC - HSS : HSS10X5X5/16	1"	A	3/4"	A	

STEEL COLUMN NOTES:
1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED WITH (4) 3/4"DIA ANCHOR RODS WITH 3" MINIMUM HOOKS. PROJECT ANCHOR RODS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM. ALL RODS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE ROD DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ALL CAP PLATE BOLTS SHALL BE 3/4"DIA A325N BOLTS, TYPICAL UNLESS NOTED OTHERWISE.
3. ANCHOR RODS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

STEEL BASE PLATE TYPES:



STEEL CAP PLATE TYPES:

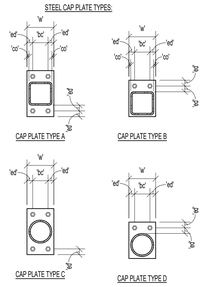


PLATE LEGEND
co = 1/2" MINIMUM
ec = 1 1/2" MINIMUM
so = 3" MINIMUM
bc = BEAM OR GIRDER GAGE
w = BEAM OR GIRDER GAGE +3"
OR
BEAM OR GIRDER WIDTH +1"
OR
COLUMN WIDTH + 1"
WHICHEVER IS GREATER

1 STEEL COLUMN SCHEDULE
3/4" = 1'-0"

VENEER LINTEL SCHEDULE

CLEAR OPENING	SIZE OF ANGLE
UP TO 5'-0"	L3.1/2x3x1/4 (LLH)
5'-1" TO 7'-0"	L3.1/2x3.1/2x1/4
7'-1" TO 9'-0"	L5x3.1/2x1/4 (LLV)
9'-1" TO 10'-0"	L5x3.1/2x5/16 (LLV)
10'-1" TO 11'-0"	L5x3.1/2x3/8 (LLV)
11'-1" TO 12'-0"	L6x4x3/8 (LLV)
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS



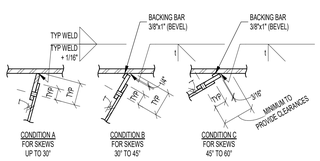
NOTE:
LINTELS CARRY VENEER ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING AT EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 8" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE. STEEL ANGLES SHALL BE GALVANIZED AT EXTERIOR CONDITIONS.

2 VENEER LINTEL SCHEDULE
3/4" = 1'-0"

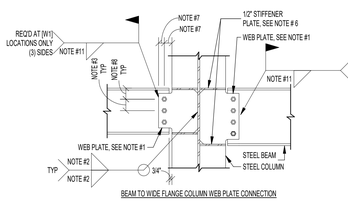
A-325 BOLT SCHEDULE

MAXIMUM BEAM SIZE IN EACH BEAM DEPTH GROUP	A-325N BOLTS: No. PER BEAM	SIZE	ASD CAPACITY	SEISMIC AXIAL CAPACITY
W8	2	7/8"DIA	16.4K	12K
W10	2	7/8"DIA	19.8K	12K
W12	3	7/8"DIA	24.4K	25K
W14	3	7/8"DIA	33.2K	25K
W16	4	7/8"DIA	46.3K	35K
W18	5	7/8"DIA	58.7K	69K
W21	6	7/8"DIA	70.8K	92K
W24	7	7/8"DIA	83.0K	120K
W27	8	7/8"DIA	95.1K	176K
W30	9	7/8"DIA	107.1K	198K

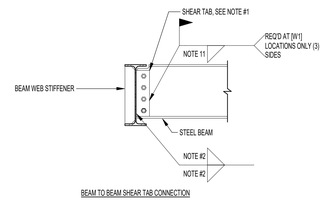
1. SHEAR TAB SHALL BE 1/2" THICK AT STEEL BEAMS LABELED WITH 'SRE' ON PLAN, INCREASE THICKNESS OF SHEAR TAB TO 3/4" AND ALL BOLTS SHALL BE PRETENSIONED WITH CLASS A FAYING SURFACES
2. 5/16" FILLET WELD EACH SIDE OF SHEAR TAB.
3. BOLT SPACING SHALL BE 3" MIN. TYP. REDUCE BOLT SPACING TO 2.7/8 WHERE NEEDED TO FIT THE REQUIRED QUANTITY OF BOLTS.
4. WHEN MORE THAN ONE ROW OF BOLTS IS NEEDED, THE FIRST ROW SHALL BE A COMPLETE ROW WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND ROW WITH (3) BOLTS MIN AT SECOND ROW.
5. HSS COLUMN THAT DO NOT HAVE A MINIMUM 1/4" WALL THICKNESS SHALL USE A SINGLE ANGLE CONNECTION WHERE STEEL TUBE WALL IS TOO THIN.
6. AT MOMENT FRAME COLUMNS, SEE MOMENT CONNECTION DETAILS FOR CONTINUITY PLATE REQUIREMENTS.
7. BOLT EDGE DISTANCE, Leh SHALL BE EQUAL TO TWICE THE BOLT DIAMETER FOR BOTH THE PLATE AND THE BEAM WEB.
8. BOLT EDGE DISTANCE, Lev SHALL BE 1.1/4" FOR BOLT DIAMETERS 7/8" OR LESS AND 1.3/4xBOLT DIAMETER FOR BOLT DIAMETERS GREATER THAN 7/8".
9. ANGLE SIZE SHALL BE 3" FOR SHORT LEG AND 4 TIMES THE BOLT DIAMETER +1" FOR THE LONG LEG.
10. AT STEEL BEAMS LABELED WITH 'SRE' ON PLAN THAT FRAME INTO HSS COLUMNS: THE SHEAR TAB SHALL RUN CONTINUOUSLY THROUGH A SLOT IN THE COLUMN
11. WELD THICKNESS WHERE NOTED SHALL BE:
AT W16 BEAMS AND SMALLER: 5/16"
AT W18 BEAMS TO W24 BEAMS: 3/8"
AT W27 BEAMS AND LARGER: 1/2"



SHEAR CONNECTOR PLATES AT SKEWED MEMBERS



BEAM TO WIDE FLANGE COLUMN WEB PLATE CONNECTION



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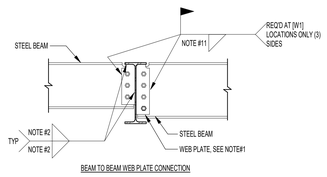

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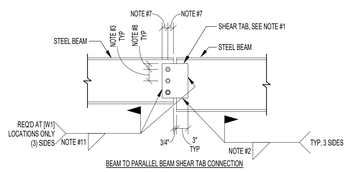

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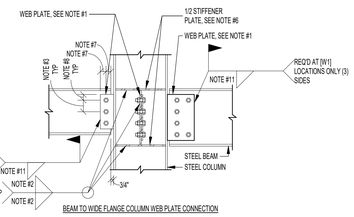

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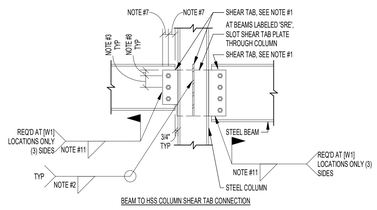

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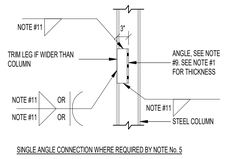

SINGLE ANGLE CONNECTION WHERE REQUIRED BY NOTE No. 5

4 TYPICAL 7/8" DIA BOLTED WEB PLATE CONNECTIONS WITH BOLT SCHEDULE
3/4" = 1'-0"

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Stamp

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SCHEDULES

S603

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

- POSITIVE PRESSURE DUCT - RISE
- POSITIVE PRESSURE DUCT - DROP
- NEGATIVE PRESSURE DUCT - RISE
- NEGATIVE PRESSURE DUCT - DROP
- ROUND DUCT - RISE
- ROUND DUCT - DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER
- 22X22 / 200 — CEILING RETURN REGISTER
- 12X12 / 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 / 200 — SIDEWALL SUPPLY REGISTER
- 24X10 / 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 / 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

  TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.
- CEILING RETURN AIR GRILE W/ SOUND BOOT
- 3-1" SLOTS @ 48" 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- 12/8 FO — FLAT OVAL DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

  WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.
- W R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R 6 — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 1.5D 1.25D 45° 2.0D D — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR

PIPING

- SHUT OFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- MOTOR OPERATED BUTTERFLY VALVE
- GATE VALVE
- GATE VALVE - NON RISING STEM
- ANGLE VALVE
- GLOBE VALVE
- PLUG VALVE
- SHUT OFF PLUG VALVE FOR FOR USE WITH PRESSURE GAUGE
- CHECK VALVE
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- F&T — F&T=FLOAT & THERMOSTATIC
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- PRESSURE REDUCING VALVE EXTERNAL PRESSURE
- PRESSURE REDUCING VALVE SELF CONTAINED
- ATC - 2 WAY VALVE
- ATC - 3 WAY VALVE
- SOLENOID VALVE
- 0.0 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- VENTURI FLOW METER
- GPM LB/HR. — FLOW METER ORIFICE
- RELIEF VALVE
- AIR VENT-MANUAL
- A — AIR VENT-AUTO
- FLOW SWITCH
- PS — PRESSURE SWITCH
- TEMPERATURE AND PRESSURE TEST PORT
- THERMOMETER WELL
- THERMOMETER - TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
- PRESSURE GAUGE WITH PIGTAIL
- UNION
- FLANGE
- FLEXIBLE EXPANSION JOINT
- REDUCER
- ECCENTRIC REDUCER
- BRANCH - BOTTOM CONNECTION
- BRANCH - TOP CONNECTION
- BRANCH - SIDE CONNECTION
- RISE OR DROP
- RISER - DOWN (ELBOW)
- RISER - UP (ELBOW)
- PIPE CAP
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- DN — LEADER INDICATES DOWNWORD SLOPE
- VALVE IN RISE
- OR — 90° ELBOW
- 45° ELBOW
- ALIGNMENT GUIDE
- ANCHOR

PLUMBING

- THERMOSTATIC MIXING VALVE
- HOSE BIBB
- FLOOR SINK
- FLOOR DRAIN
- FCO / COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- CLEAN-OUT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- DEMOLITION

EQUIPMENT

- UNIT HEATER
- INLINE PUMP
- INLINE PUMP
- FAN

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

ANNOTATIONS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A / M-101 — SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A / M101 — DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF / 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION
- S — SWITCH
- S — SENSOR
- T — THERMOSTAT
- TN — NIGHT THERMOSTAT

LINETYPES

- AV — ACID VENT
- AW — ACID WASTE
- BBD — BOILER BLOW DOWN
- BF — BOILER FEED WATER
- B — BRINE
- C02 — CARBON DIOXIDE
- CA — COMPRESSED AIR
- CF — CHEMICAL FEED
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- DI — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- FOV — FUEL OIL VENT
- FVS — FLUSH VALVE SUPPLY
- G — NATURAL GAS
- HG — HOT GAS
- HFR — HELICOPTER FUEL RETURN
- HFS — HELICOPTER FUEL SUPPLY
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- IA 120 — INSTRUMENT AIR AT PRESSURE INDICATED
- ICW — INDUSTRIAL COLD WATER
- IHW — INDUSTRIAL HOT WATER
- IHWR — INDUSTRIAL HOT WATER RETURN
- ISCW — INDUSTRIAL SOFT COLD WATER
- LA — LAB AIR
- LV — LAB VACUUM
- LPC — LOW PRESSURE CONDENSATE
- LPG — LIQUIFIED PETROLEUM GAS
- LPS — LOW PRESSURE STEAM
- LW — LAB WATER
- LWR — LAB WATER RETURN
- MA — MEDICAL AIR
- MA 120 — MEDICAL AIR AT PRESSURE INDICATED
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM

LINETYPES CONT.

- MUW — MAKE UP WATER
- MV — MEDICAL VACUUM
- N — NITROGEN
- N20 — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- OX 120 — MEDICAL OXYGEN AT PRESSURE INDICATED
- PC — PUMPED CONDENSATE
- RO — REVERSE OSMOSIS WATER SUPPLY
- ROR — REVERSE OSMOSIS WATER RETURN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER
- TW — TEMPERED WATER
- TWR — TEMPERED WATER RETURN
- V — VACUUM
- VENT (SEWER)

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M101B	MAIN LEVEL MECHANICAL PLAN - AREA 'B'
M101C	MAIN LEVEL MECHANICAL PLAN - AREA 'C'
M102	SECOND LEVEL MECHANICAL REFERENCE PLAN
M102A	SECOND LEVEL MECHANICAL PLAN - AREA 'A'
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M103	ROOF LEVEL MECHANICAL PLAN
M301	LARGE SCALE MECHANICAL SECTION
M401	LARGE SCALE MECHANICAL PLANS
M402	LARGE SCALE MECHANICAL ROOM B126
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M501	MECHANICAL DETAILS
M502	MECHANICAL DETAILS
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P101	MAIN LEVEL PLUMBING REFERENCE PLAN
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P103	ROOF LEVEL PLUMBING PLAN
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P501	PLUMBING DETAILS
P502	PLUMBING DETAILS
P601	PLUMBING SCHEDULES

MECHANICAL GENERAL NOTES

1. PROVIDE CD-1 TYPE DIFFUSER, AS SCHEDULED, FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE. SEE DETAIL __/____.
2. PROVIDE RG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING RETURN GRILLES SHOWN AS SUCH. PROVIDE SIZE 22x22, OR 22x10 WITH SOUND BOOT FOR UNDUCTED GRILLES. SEE DETAIL __/____.
3. PROVIDE EG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING EXHAUST GRILLES, SHOWN AS SUCH.
4. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
5. COORDINATE EXACT LOCATION OF DUCTS WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, PLUMBING, MECHANICAL PIPING, ETC.
6. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK SIZE OF THE DIFFUSER, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE.
7. INSTALL HARD ELBOWS AS SHOWN. HARD ELBOWS ARE REQUIRED FOR SOUND ATTENUATION.
8. INSTALL EQUIPMENT WITH CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN PROPER SPACE FOR COIL PULL, CONTROLS, AND MAINTENANCE ACCESS.
9. INSTALL TURNING VANES IN ALL SQUARE AND RECTANGULAR LOW PRESSURE DUCTWORK.
10. DETAILS REFERENCE ALL SHEETS.
11. ALL FIRE DAMPERS ARE 1-1/2 HR RATED, UNLESS NOTED OTHERWISE.
12. DO NOT ROUTE DUCTS OR PIPES ABOVE ELECTRICAL PANELS. DO NOT ROUTE DUCTS OR PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
13. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
14. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC, ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
15. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.

MECHANICAL PIPING GENERAL NOTES

1. PIPING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL ROUTING AND COORDINATE WITH ALL OTHER TRADES.
2. NO PIPING TO RUN DIRECTLY OVER ELECTRICAL PANELS, MCC'S, VFD'S. ROUTE AROUND AS REQUIRED.
3. INSTALL MANUAL AIR VENTS AT ALL HYDRONIC SYSTEM HIGH POINTS.
4. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATION. PROVIDE A 24"X24" ACCESS DOOR BELOW EQUIPMENT BOX AND CONTROL VALVES WHERE INSTALL OVER HARD CEILING AREAS.
5. COORDINATE EXACT LOCATION OF T-STATS WITH ARCHITECTURAL FURNISHINGS.
6. INSTALL A 24"x24" ACCESS PANEL BELOW ALL VALVES, CIRCUIT SETTERS, AND CONTROL VALVES OVER HARD CEILINGS.
7. MECHANICAL PIPING TO BE INSTALLED ABOVE DUCTWORK AND EQUIPMENT EXCEPT WHERE SHOWN.
8. FIELD VERIFY ALL EQUIPMENT LOCATIONS.
9. DETAILS REFERENCE ALL SHEETS.

PLUMBING GENERAL NOTES

1. SLOPE PIPING AS FOLLOWS, UNLESS OTHERWISE NOTED. WASTE: BRANCHES 1/4" PER FOOT. WASTE MAINS: 1/8" PER FOOT.
2. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING CHASES TO BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S, OR MCC'S.
6. COORDINATE FAN ROOM FLOOR DRAIN LOCATIONS AND COOLING COILS.
7. NO FIRE PROTECTION LINE IS TO BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING, AND PLUMBING TAKE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.
8. SLEEVE/CONFIGURE CMU WALLS FOR EMBEDDED PIPING AND PIPE PENETRATIONS AS REQUIRED.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY.
11. LOCATE ALL VENTS MINIMUM 25 FT AWAY FROM AIR INTAKES.
12. INSTALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24"X24" ACCESS DOOR BELOW ALL ISOLATION VALVES AND CIRCUIT SETTERS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL CEILING TYPE ISOLATION VALVES, CONTROL VALVES, CIRCUIT SETTERS, ETC. NEAR CEILING FOR ACCESSIBILITY.
15. DETAILS REFERENCE ALL SHEETS.
16. EXISTING PIPING SHOWN HAS BEEN TAKEN FROM INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL SYSTEMS, SIZES, LOCATIONS, AND ELEVATIONS PRIOR TO STARTING ANY NEW WORK.

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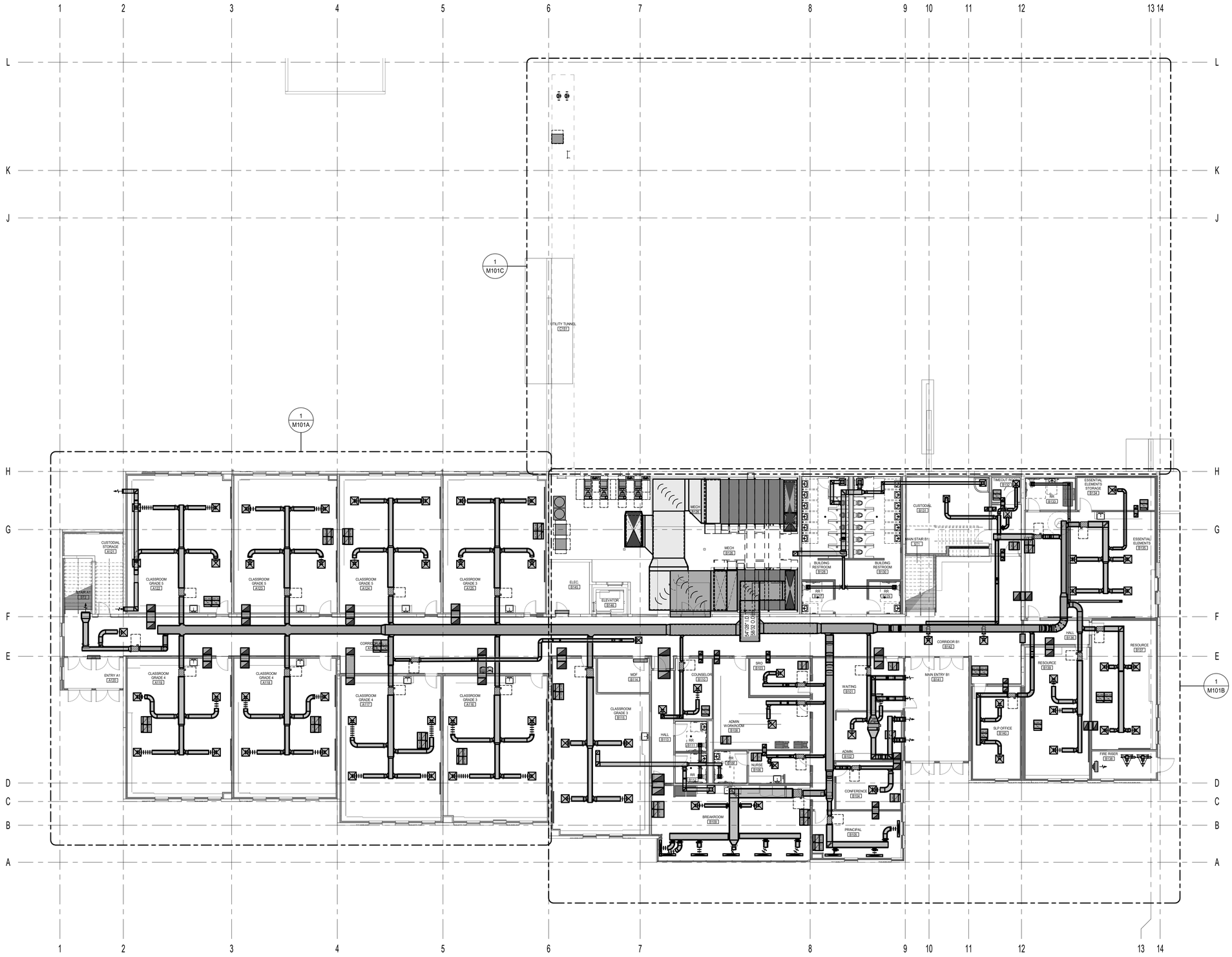
MECHANICAL SYMBOLS LEGEND AND GENERAL NOTES

M001



1 / M101 LEVEL 01 MECHANICAL REFERENCE PLAN
1" = 10'-0"

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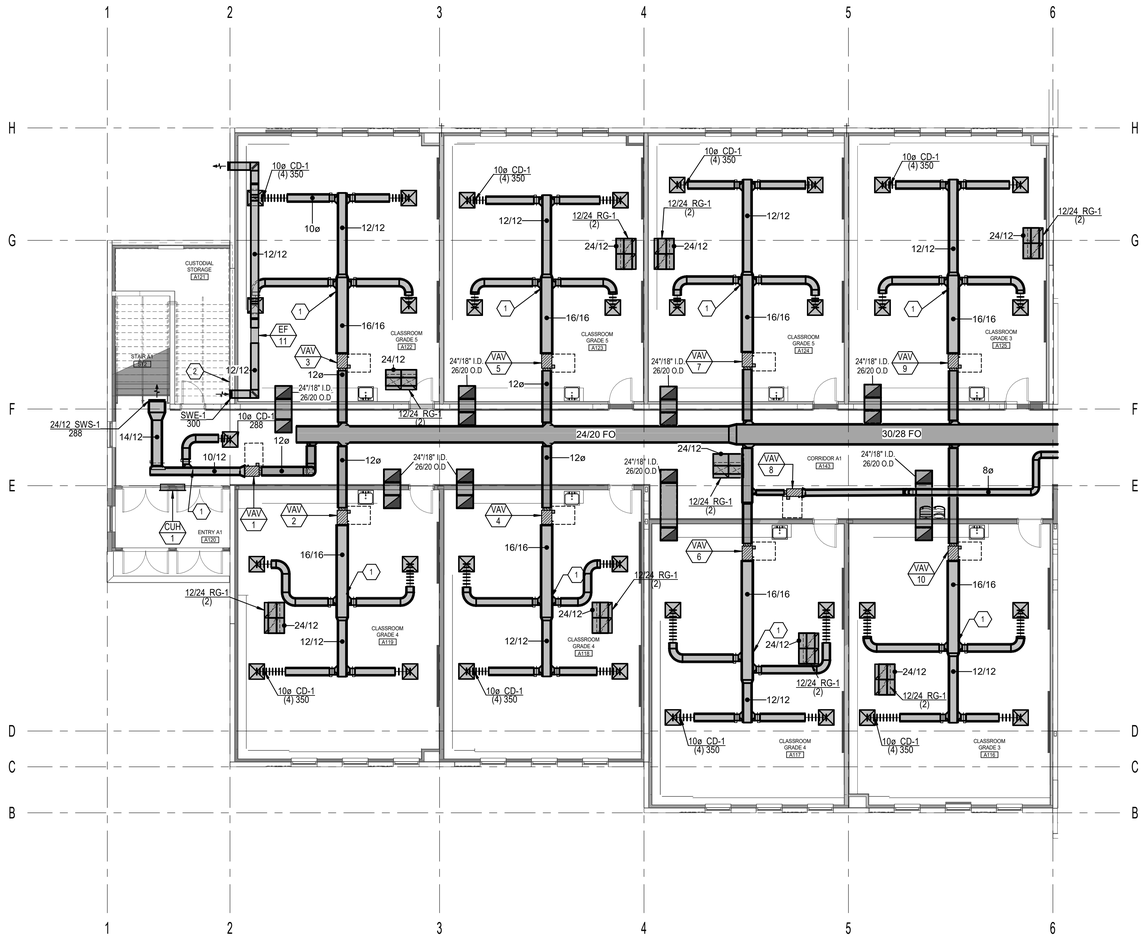
MAIN LEVEL MECHANICAL REFERENCE PLAN

M101

KEYED NOTES

1. THE CONTRACTOR SHALL INSTALL 6 FEET OF LINED DUCT DOWN STREAM OF VAV BOX BEFORE TAKING OFF ANY BRANCHES TO DIFFUSERS, TYPICAL.
2. ATC PANEL LOCATION.



1 / M101A — LEVEL 01 AREA 'A' MECHANICAL PLAN
1/8" = 1'-0"

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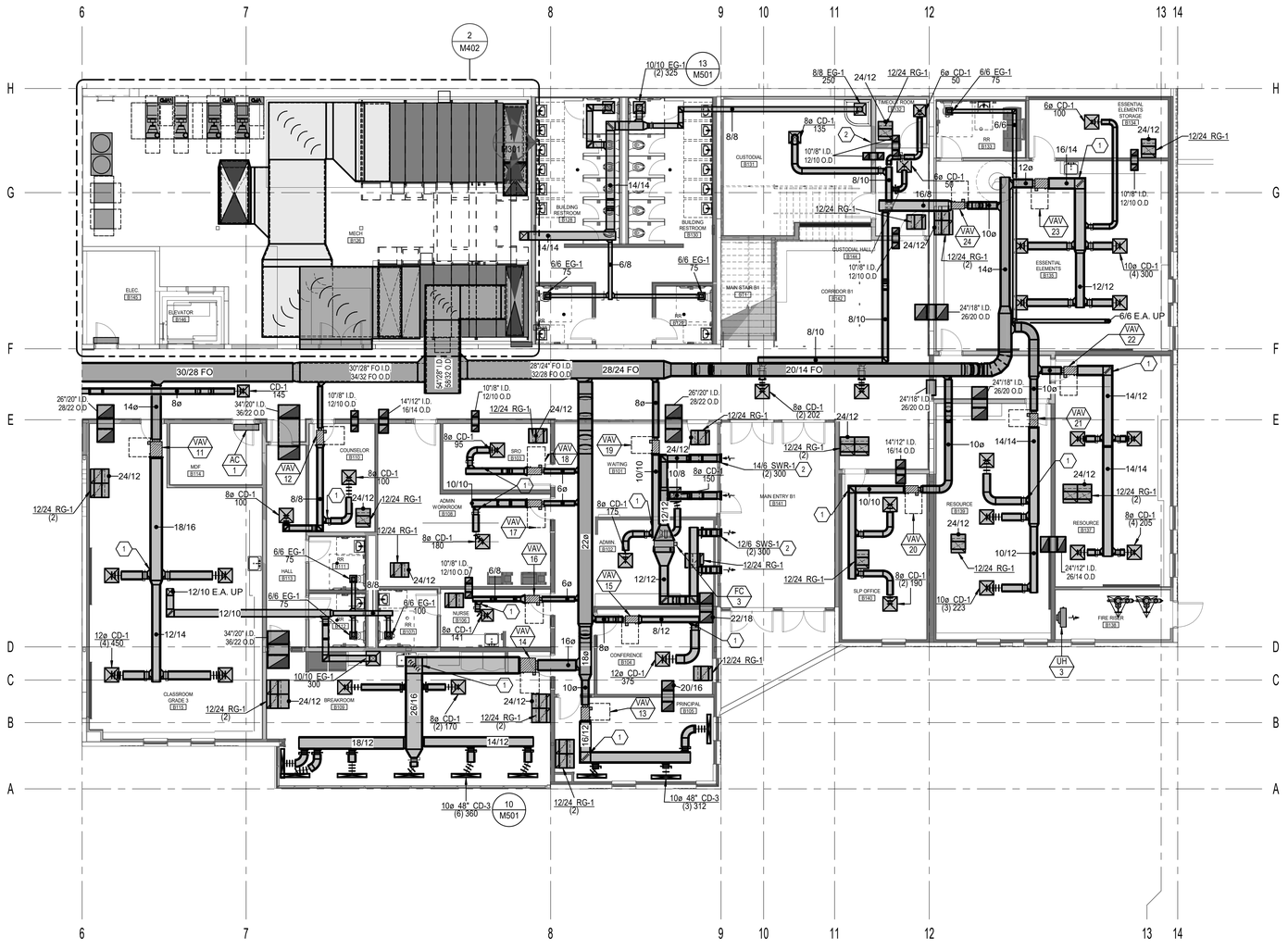
MAIN LEVEL MECHANICAL PLAN - AREA 'A'

M101A

KEYED NOTES

1. THE CONTRACTOR SHALL INSTALL 6 FEET OF LINED DUCT DOWN STREAM OF VAV BOX OR AT LEAST ONE 90 DEGREE ELBOW BEFORE TAKING OFF ANY BRANCHES TO DIFFUSERS, TYPICAL.
2. SWS-1 AND SWR-1 IN THIS LOCATION TO BE PAINTABLE FINISH OR ALLOW FOR A VINYL GRAPHIC TO BE ADHERED.
3. ATC PANEL LOCATION.



1 M101B LEVEL 01 AREA 'B' MECHANICAL PLAN
1/8" = 1'-0"

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STATE OF UTAH

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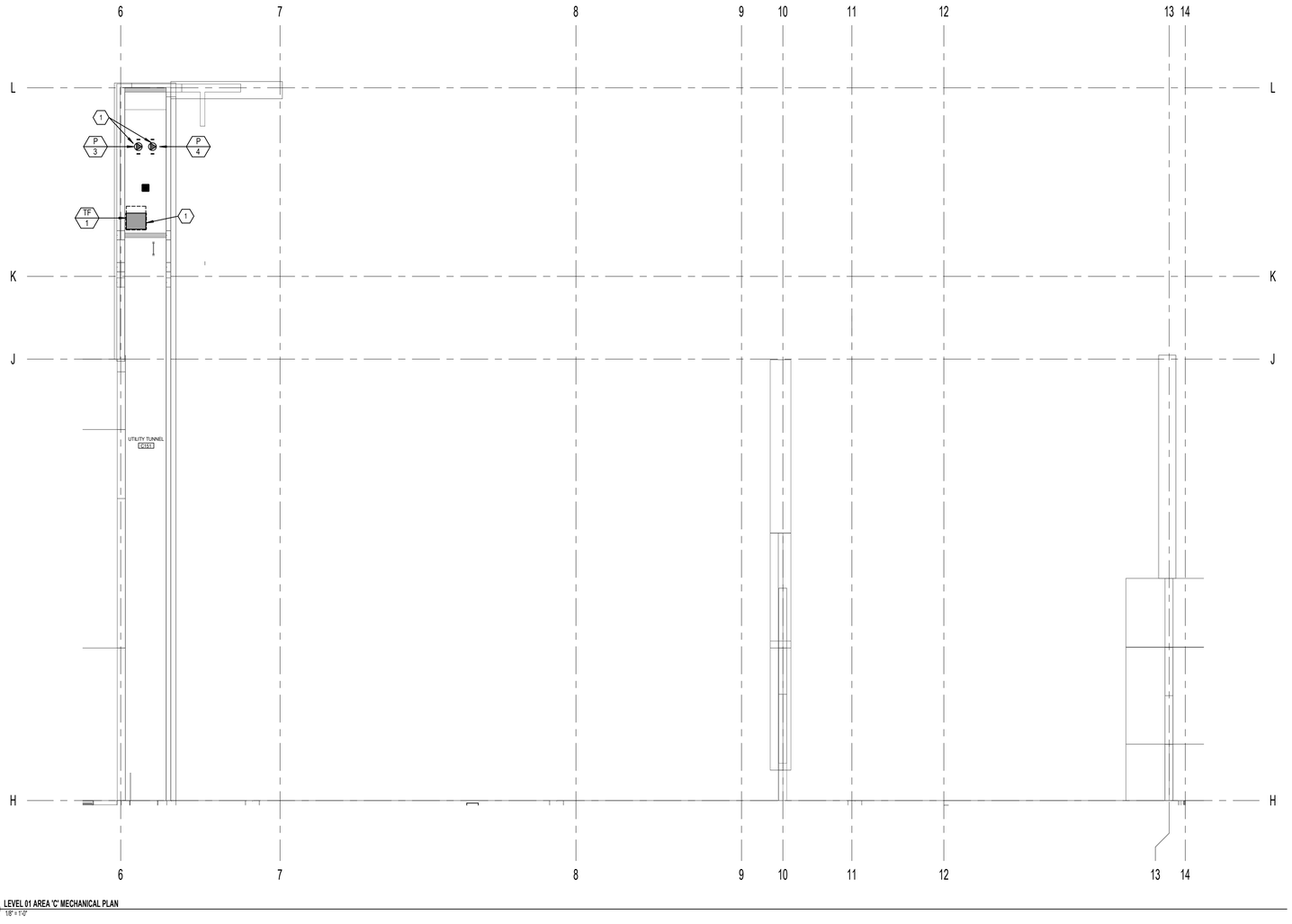
MAIN LEVEL MECHANICAL PLAN - AREA 'B'

M101B

KEYED NOTES

1. INSTALL EQUIPMENT IN TUNNEL ON 4" CONCRETE PADS.



1 M101C LEVEL 01 AREA 'C' MECHANICAL PLAN
1/8" = 1'-0"

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architects

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

LICENSED PROFESSIONAL ENGINEER
No. 8388645-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

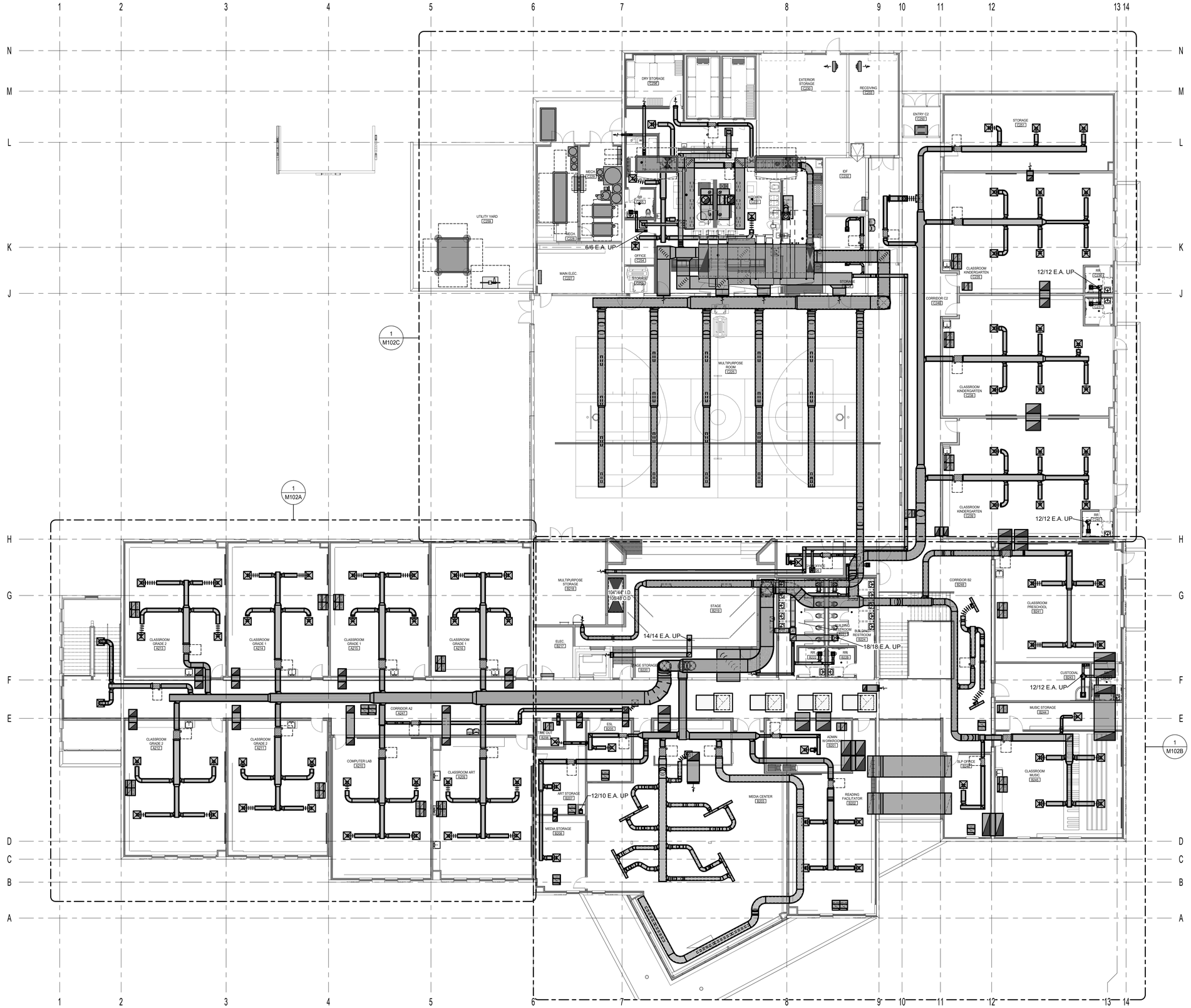
DATE	REVISION

MAIN LEVEL MECHANICAL PLAN - AREA 'C'

M101C

KEYED NOTES

1. -



1 M102 LEVEL 02 MECHANICAL REFERENCE PLAN
1" = 10'-0"

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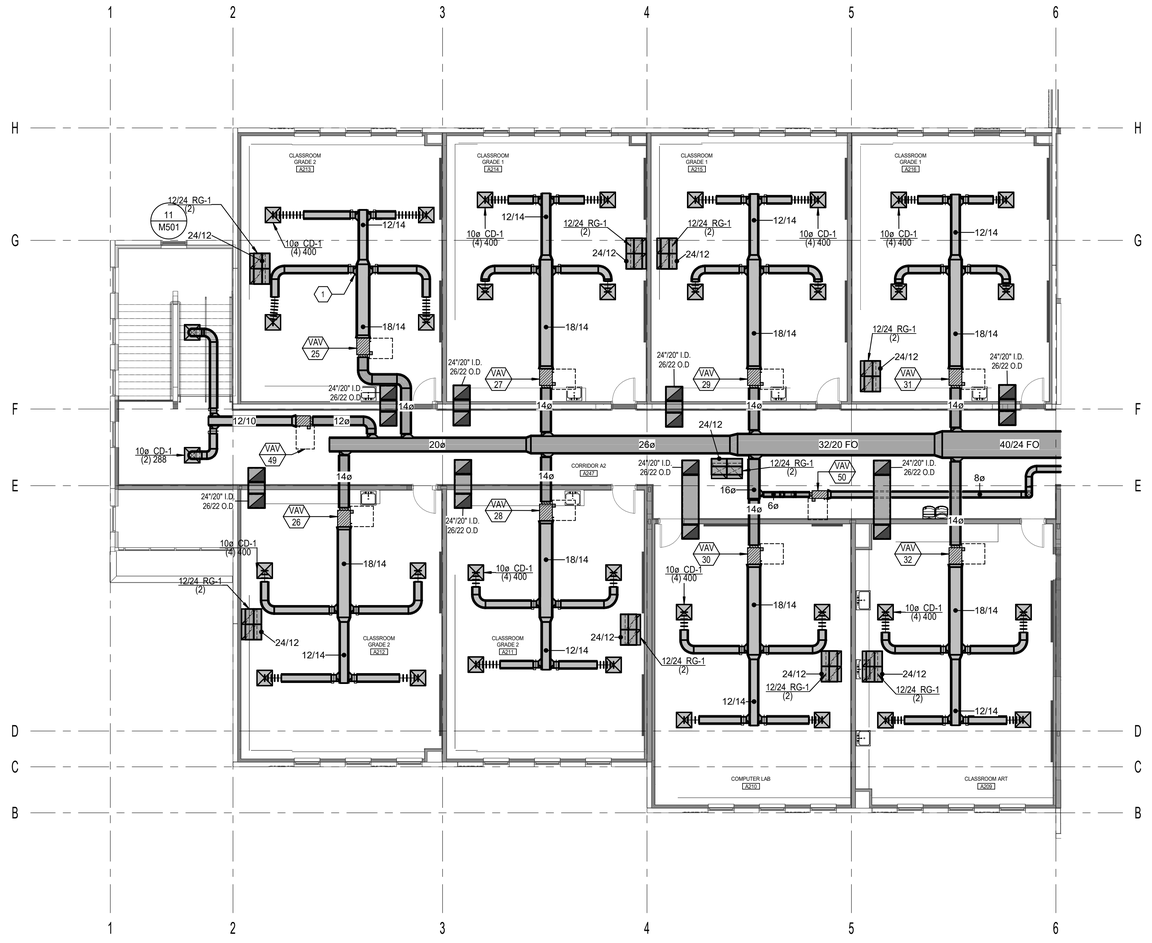
SECOND LEVEL MECHANICAL REFERENCE PLAN

M102

KEYED NOTES

1. THE CONTRACTOR SHALL INSTALL 6 FEET OF LINED DUCT DOWN STREAM OF VAV BOX BEFORE TAKING OFF ANY BRANCHES TO DIFFUSERS, TYPICAL.



1 M102A **LEVEL 02 AREA 'A' MECHANICAL PLAN**
1/8" = 1'-0"

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STATE OF UTAH

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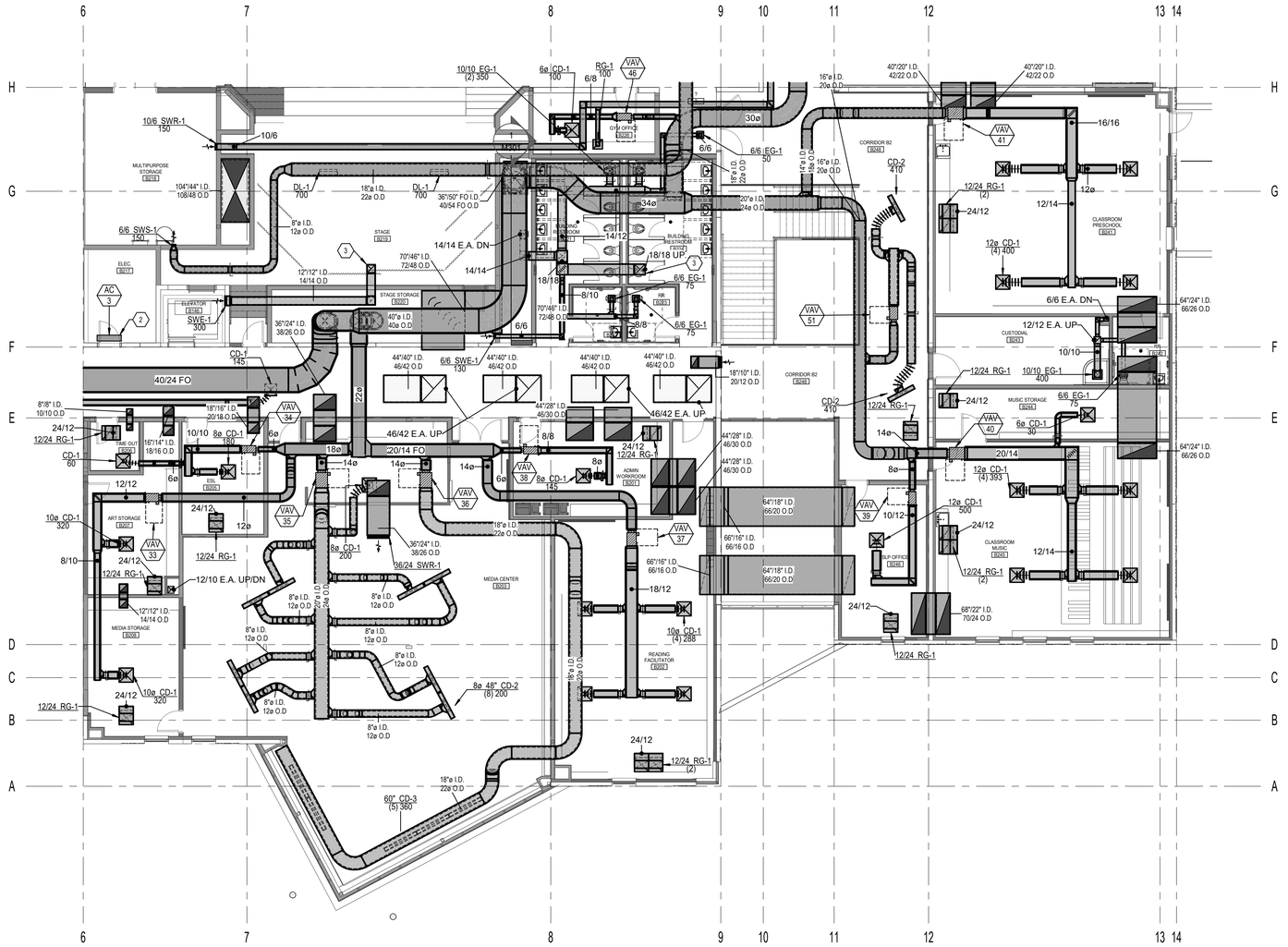
SECOND LEVEL MECHANICAL PLAN - AREA 'A'

M102A

KEYED NOTES

1. THE CONTRACTOR SHALL INSTALL 6 FEET OF LINED DUCT DOWN STREAM OF VAV BOX BEFORE TAKING OFF ANY BRANCHES TO DIFFUSERS, TYPICAL.
2. SPLIT SYSTEM INSTALLATION SEE DETAIL 7/M506.
3. EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.



1 M102B LEVEL 02 AREA 'B' MECHANICAL PLAN
1/8" = 1'-0"

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JEDEDIAH L. JENKINS
STATE OF UTAH

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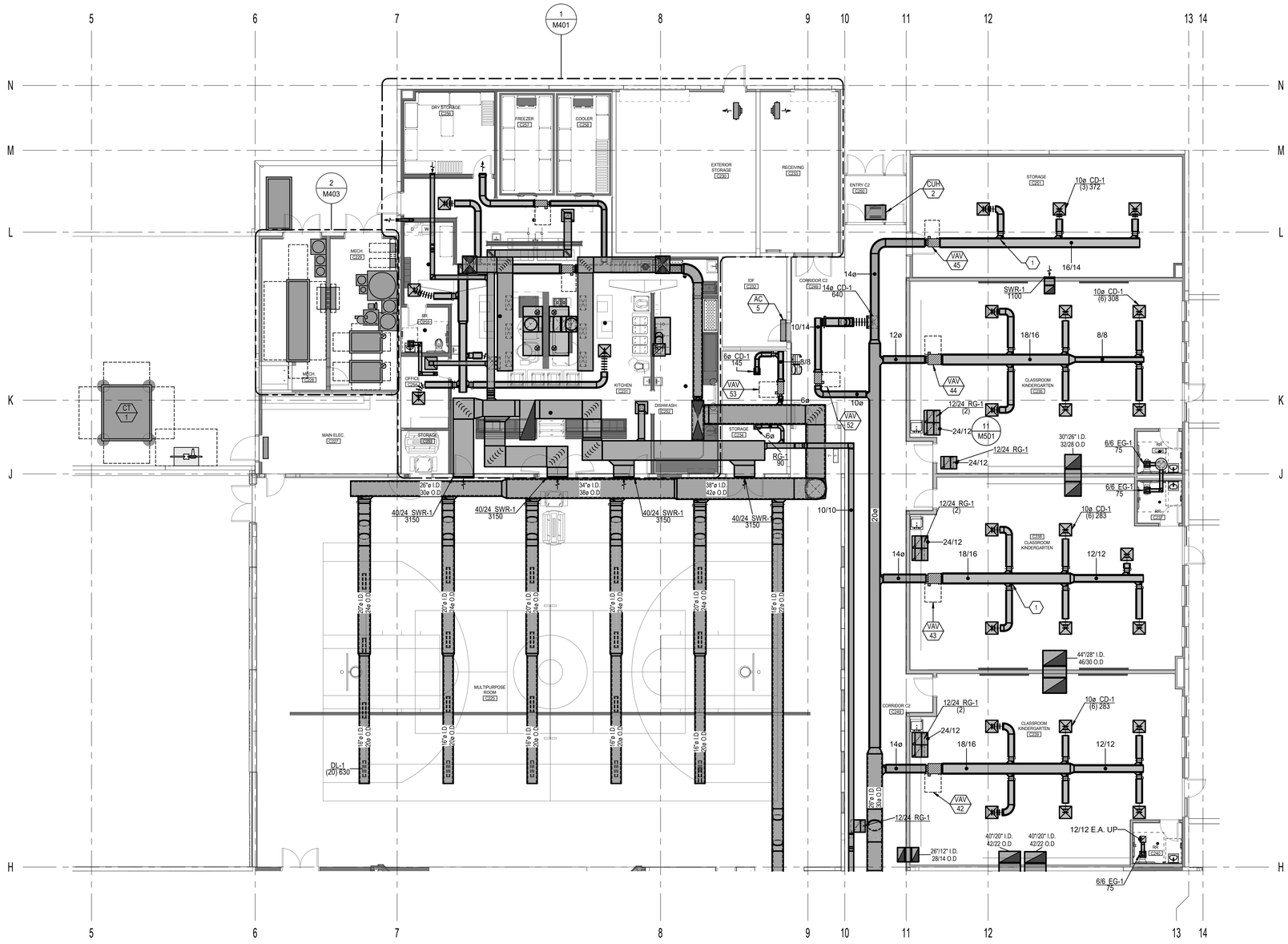
SECOND LEVEL MECHANICAL PLAN - AREA 'B'

M102B

KEYED NOTES

1. THE CONTRACTOR SHALL INSTALL 6 FEET OF LINED DUCT DOWN STREAM OF VAV BOX BEFORE TAKING OFF ANY BRANCHES TO DIFFUSERS, TYPICAL.



1 M102C LEVEL 02 AREA 'C' MECHANICAL PLAN
1/8" = 1'-0"

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NWL PROJECT	0119.002

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STATE OF UTAH

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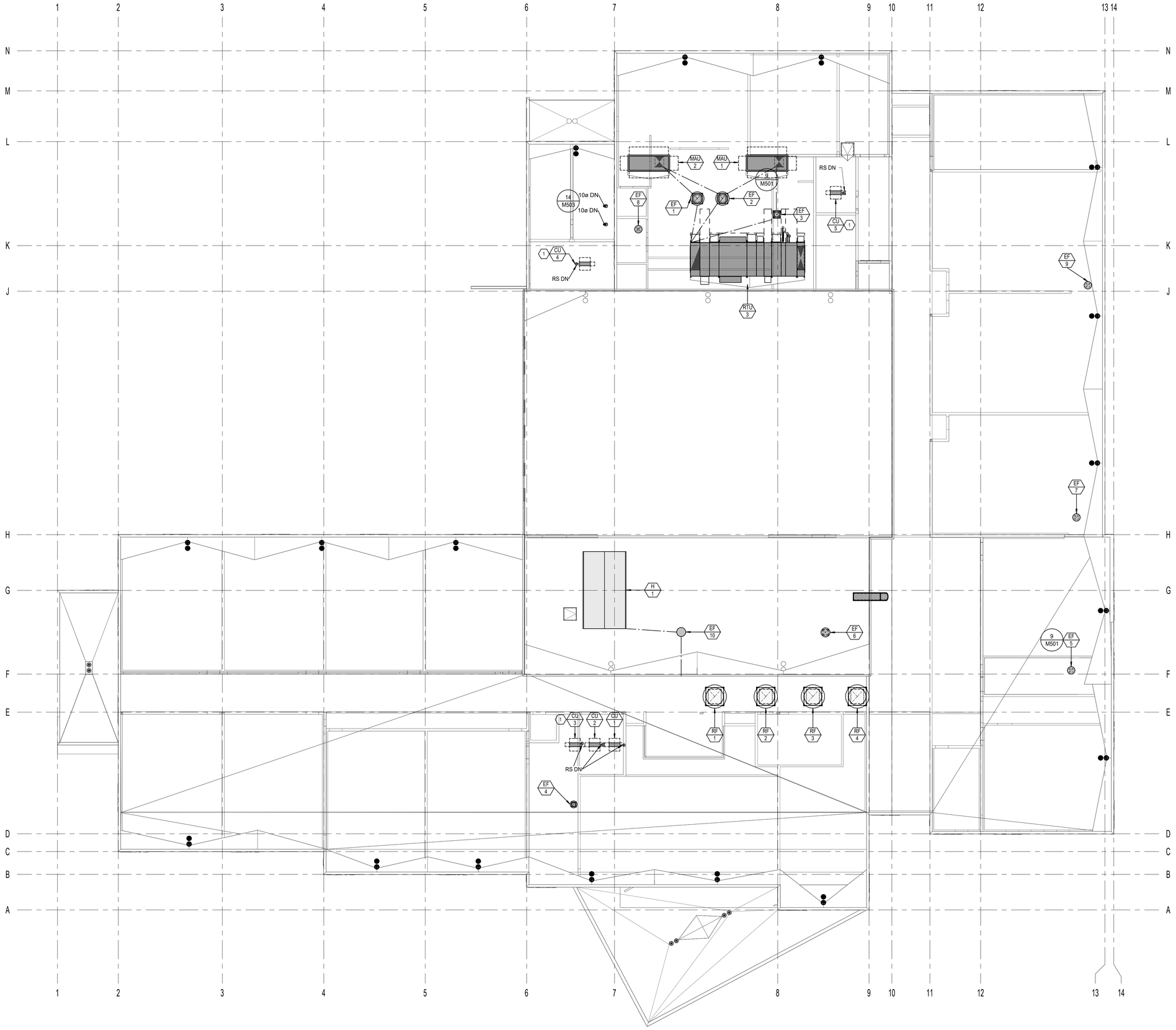
SECOND LEVEL MECHANICAL PLAN - AREA 'C'

M102C

KEYED NOTES

1. SPLIT SYSTEM INSTALLATION SEE DETAIL 7/M506, 5/M505 AND 6/M505



1 ROOF MECHANICAL PLAN
M103 1" = 10'-0"

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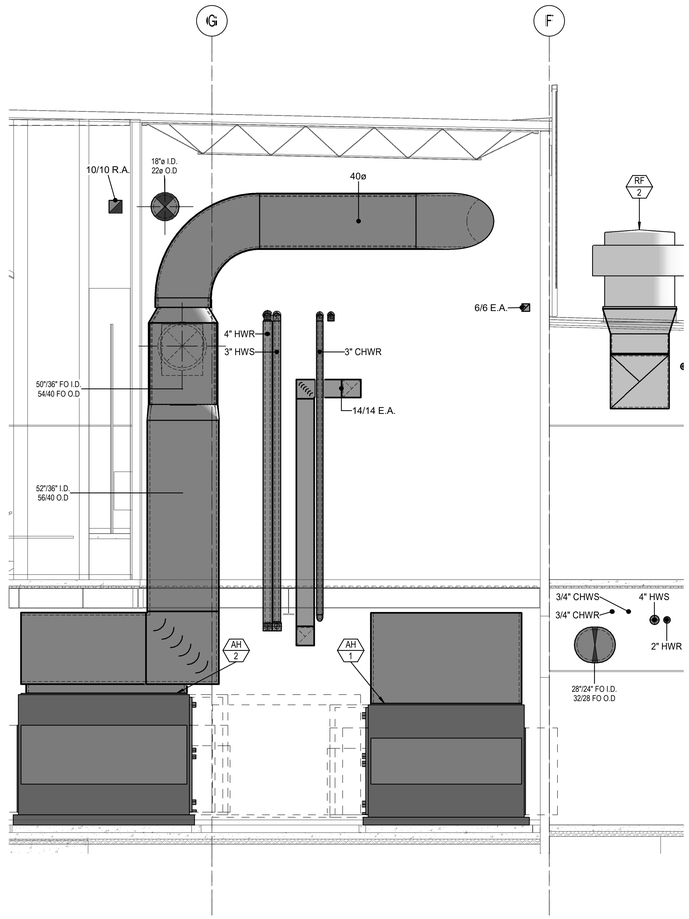
ROOF LEVEL MECHANICAL PLAN

M103

KEYED NOTES

-



1 M301 **MECAHNICAL SECTION**
1/4" = 1'-0"

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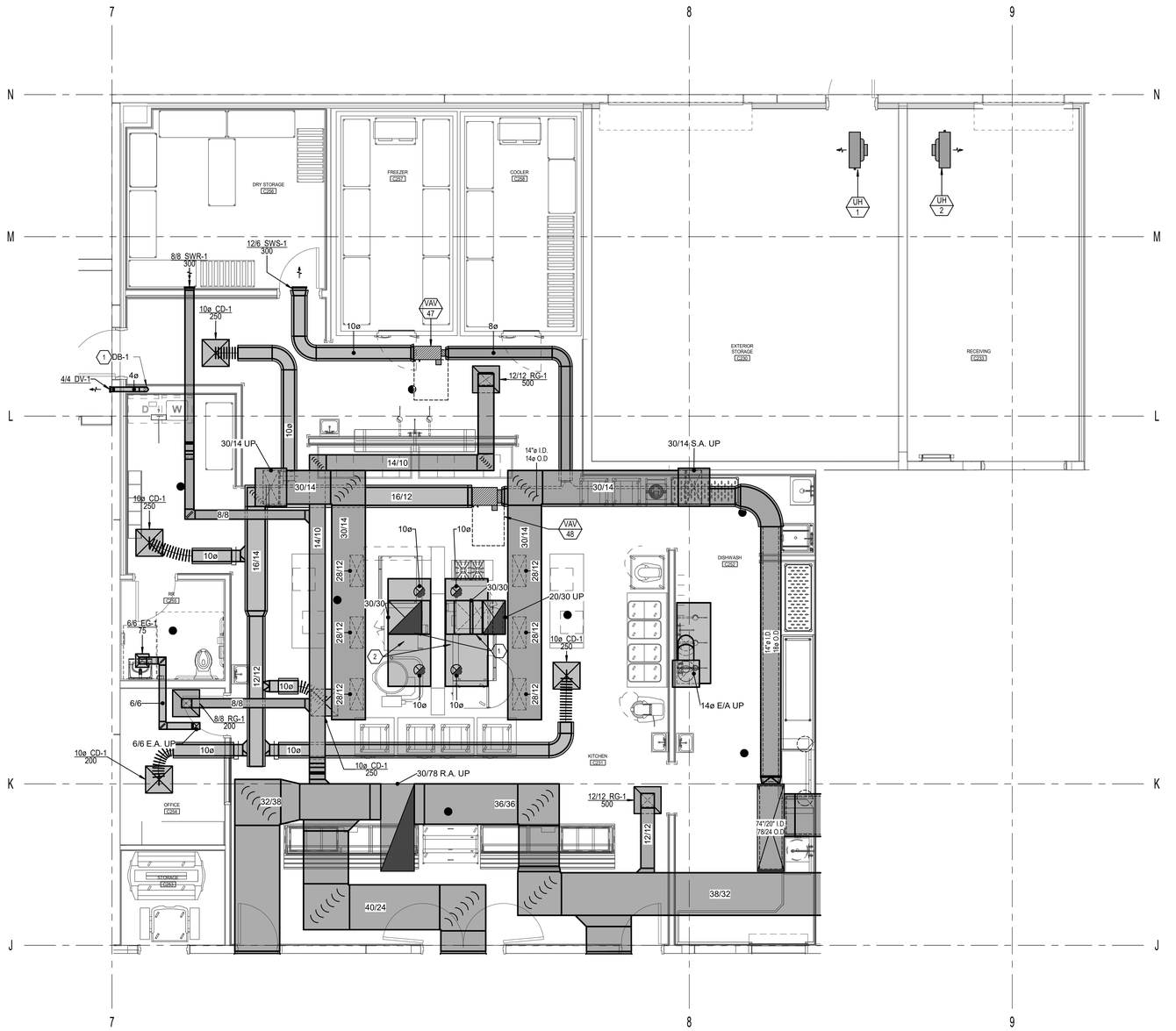
LARGE SCALE MECHANICAL SECTION

M301

KEYED NOTES

1. GREASE DUCT UP TO EXHAUST FAN ABOVE.
2. GREASE DUCT TEST: ALL DUCT SERVING TYPE 1 EXHAUST HOODS SHALL BE LEAK TESTED IN THE PRESENCE OF CODE OFFICIAL. TESTING SHALL BE CONDUCTED PRIOR TO WRAPPING OR CONCEALING THE DUCTWORK. THE LEAK TEST SHALL BE A LIGHT TEST OR APPROVED ALTERNATE IN ACCORDANCE WITH THE 2021 IMC SECTION 506.3.2.5. THE LEAK TEST SHALL BE PERFORMED ON THE ENTIRE DUCT SYSTEM, INCLUDING THE DUCT HOOD CONNECTION.
3. INSTALL A RECESSED DRYER VENT BOX IN THE WALL FOR THE CLOTHES DRYER. BOX SHALL BE CENTERED ON THE DRYER AND THE BOTTOM OF THE BOX SHALL BE AT FLOOR LEVEL.



KITCHEN MECHANICAL PLAN
1/4" = 1'-0"

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JEDEDIAH L. JENKINS
STATE OF UTAH

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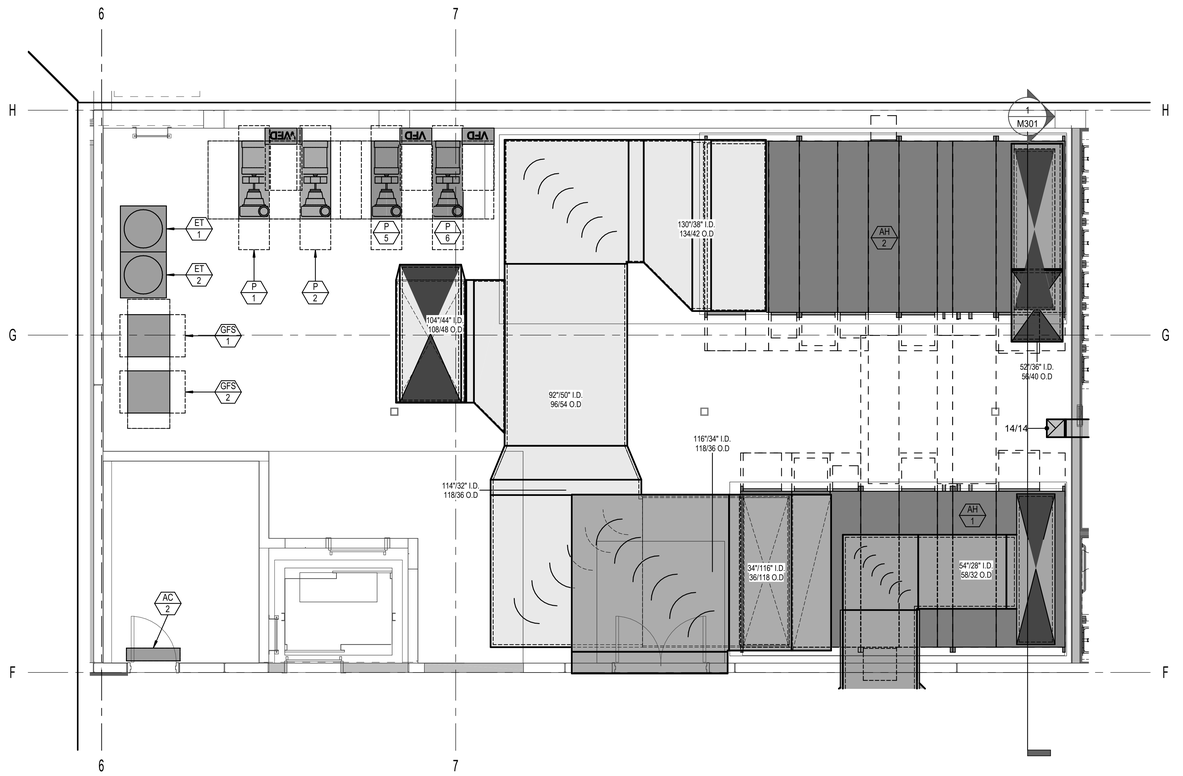
LARGE SCALE MECHANICAL PLANS

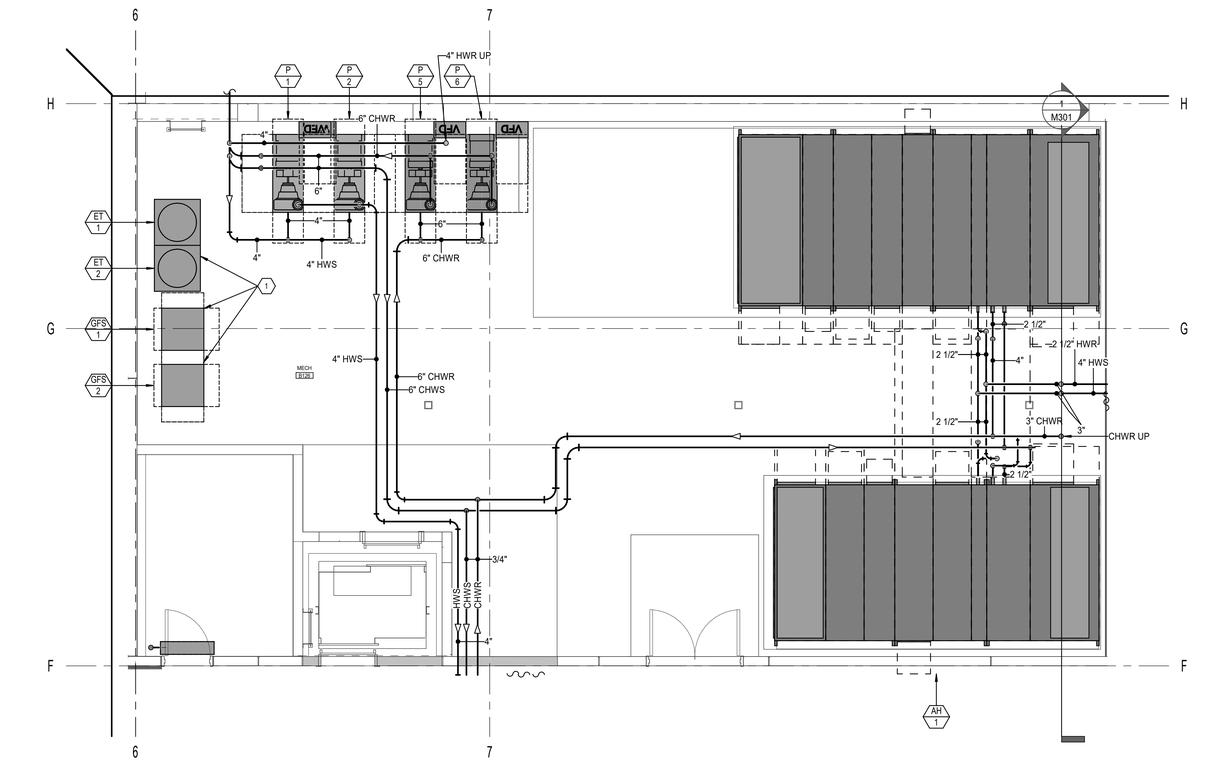
M401

KEYED NOTES

1. ALL EQUIPMENT IN MECHANICAL ROOM TO BE INSTALLED ON 6" HOUSEKEEPING PADS.
2. 52"/60" DUCT WITH 1 INCH LINING SHALL BE CONNECTED TO THE BOTTOM OF SHAFTS ON THE SECOND FLOOR.



2 M402 LEVEL 01 MECHANICAL PLAN B126
1/4" = 1'-0"



1 M402 LEVEL 01 MECHANICAL PIPING PLAN B126
1/4" = 1'-0"

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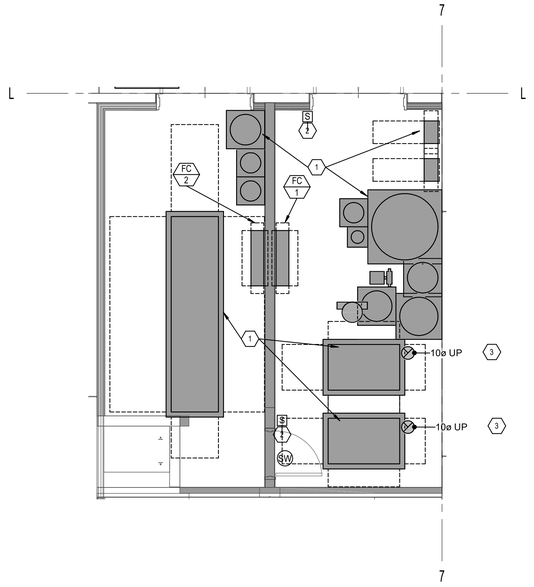
LARGE SCALE MECHANICAL ROOM B126

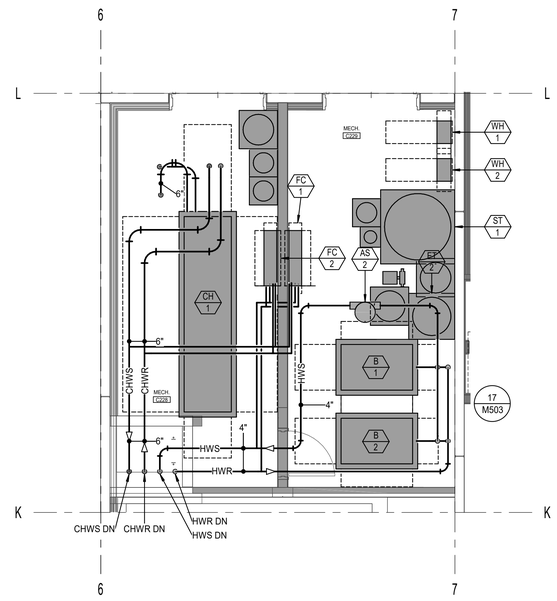
M402

KEYED NOTES

1. ALL EQUIPMENT IN MECHANICAL ROOM TO BE INSTALLED ON 6" HOUSEKEEPING PADS.
2. EMERGENCY BOILER ROOM SHUTDOWN SWITCH. SWITCH SHALL BE INTERLOCKED WITH ALL GAS FIRED EQUIPMENT IN BOILER ROOM FOR SHUTDOWN. PROVIDE LIFT OPEN CLEAR COVER.
3. 10" BOILER FLUE THRU ROOF.



2 LEVEL 02 MECHANICAL PLAN C228/C229
M403 1/4" = 1'-0"



1 LEVEL 02 MECHANICAL PIPING PLAN C228/C229
M403 1/4" = 1'-0"

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STATE OF UTAH

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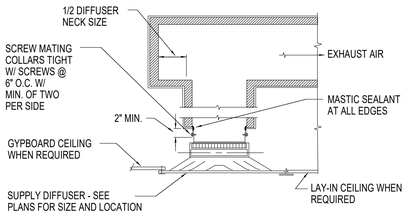
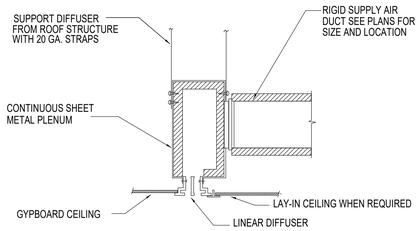
LARGE SCALE MECHANICAL ROOM C228/C229

M403



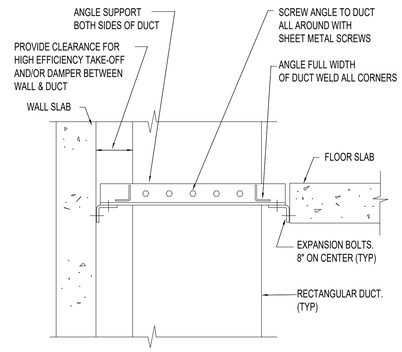
13 M501 TYPICAL EXHAUST GRILLE DETAIL

NO SCALE



10 M501 LINEAR DIFFUSER & PLENUM DETAIL

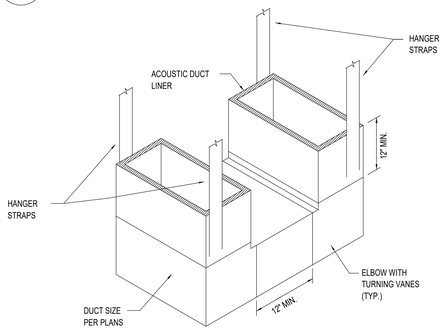
NO SCALE



NOTES:
1. SUPPORT DUCT AT EACH FLOOR.
2. SUPPORT OF ROUND DUCT SIMILAR EXCEPT SCREW CLAMP TO DUCT SAME SIZE AS DUCT OUTSIDE DIAMETER AND BOLT CLAMP TO ANGLE SUPPORTS.
3. SUZE SUPPORT ANGLES AND DUCT CLAMPS AS REQUIRED TO SUPPORT WEIGHT OF DUCTWORK.
4. OMIT SCREWS AT FUME EXHAUST DUCTS AND BOLT ANGLES TO DUCT COMPANION ANGLE FLANGES.

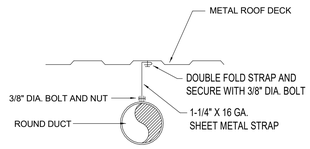
6 M501 DUCT RISER SUPPORT IN CHASE DETAIL

NO SCALE



3 M501 RETURN AIR TRANSFER DUCT DETAIL

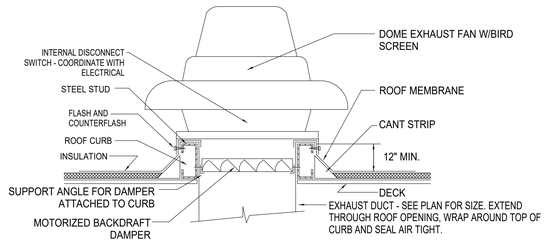
NO SCALE



NOTE:
USE SPECIFIED SPACING AND NOT LESS THAN ONE SUPPORT PER BRANCH.

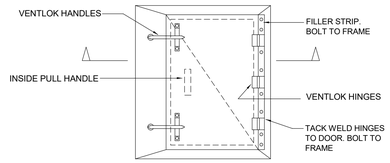
12 M501 ROUND DUCT SUPPORT DETAIL

NO SCALE

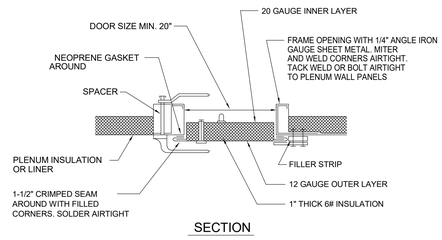


9 M501 EXHAUST FAN DETAIL

NO SCALE



FRONT



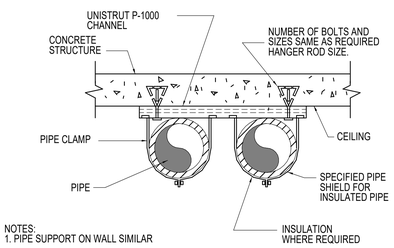
SECTION

NOTES:

1. BOLTED JOINTS SET IN MASTIC FOR AIRTIGHT JOINT.
2. DOORS SHALL BE A MINIMUM 2'-6" x 1'-8" UNLESS SHOWN OTHERWISE

5 M501 PLENUM DOOR

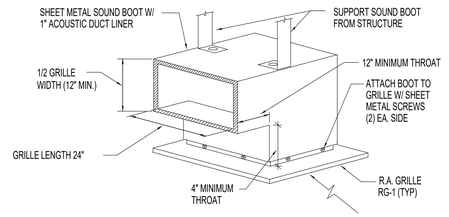
NO SCALE



NOTES:
1. PIPE SUPPORT ON WALL SIMILAR

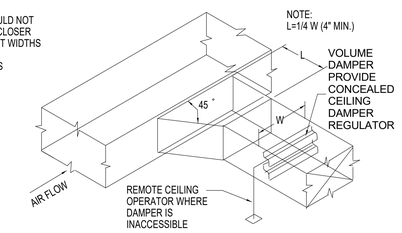
2 M501 PIPE SUPPORT ON CEILING

NO SCALE



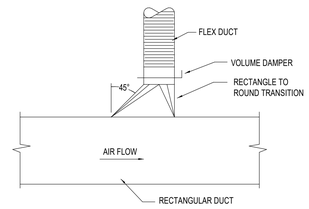
11 M501 R.A. GRILLE WITH SOUND BOOT

NO SCALE



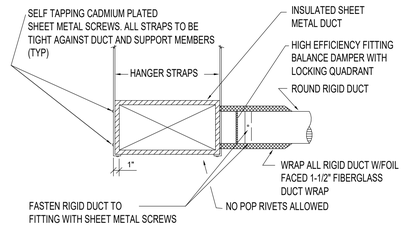
8 M501 BRANCH DUCT TAKE-OFF & DAMPER

NO SCALE



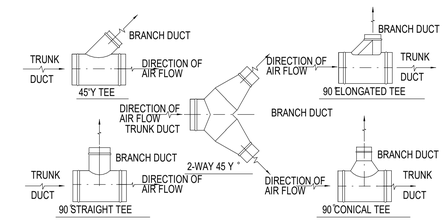
7 M501 HIGH EFFICIENCY TAKE-OFF DETAIL

NO SCALE



4 M501 HIGH EFFICIENCY TYPE FITTING

NO SCALE



1 M501 ROUND DUCT BRANCH TAKE-OFFS DETAILS

NO SCALE

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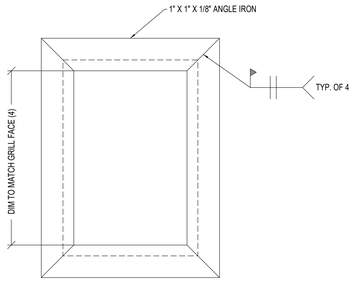
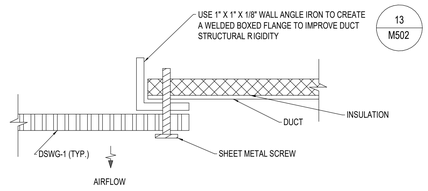
M501



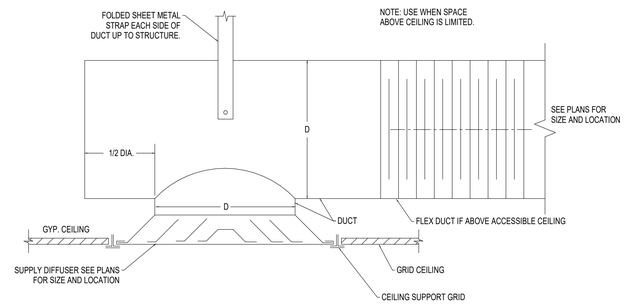
14 M502 DUCT MOUNTED WELDED BOX DETAIL

NO SCALE



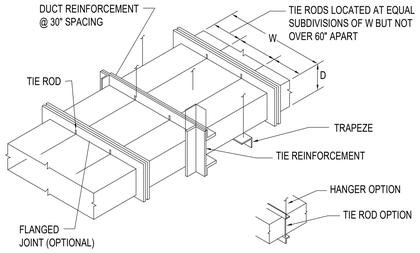
13 M502 DUCT MOUNTED DISPLACEMENT DIFFUSER DETAIL

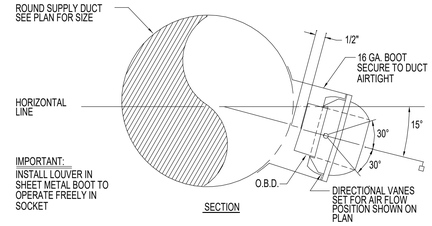
NO SCALE



12 M502 TIGHT SPACE SUPPLY DIFFUSER DETAIL

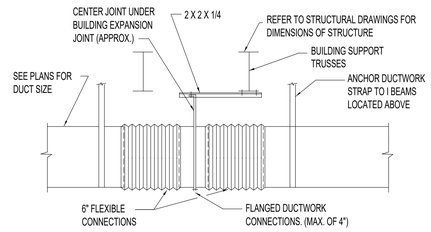
NO SCALE





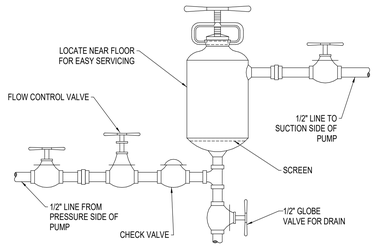
9 M502 DRUM LOUVER DETAIL

NO SCALE



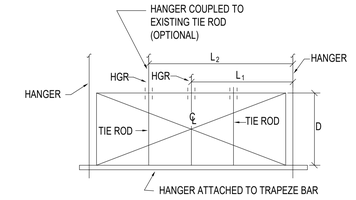
8 M502 DUCT EXPANSION JOINT DETAIL

NO SCALE



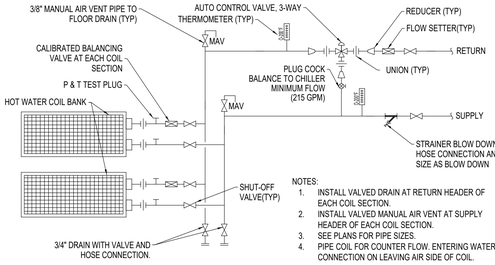
11 M502 POT TYPE CHEMICAL FEEDER DETAIL

NO SCALE



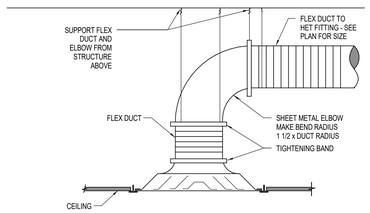
10 M502 LARGE DUCT REINFORCEMENT DETAIL

NO SCALE



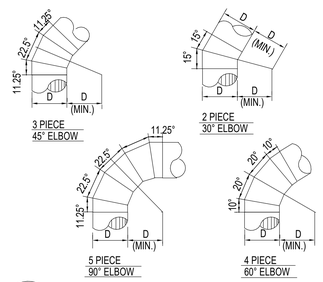
5 M502 PRE-HEAT COIL (HC-2) & CHILLED WATER COOLING COIL (CC-3) SCHEMATIC

NO SCALE



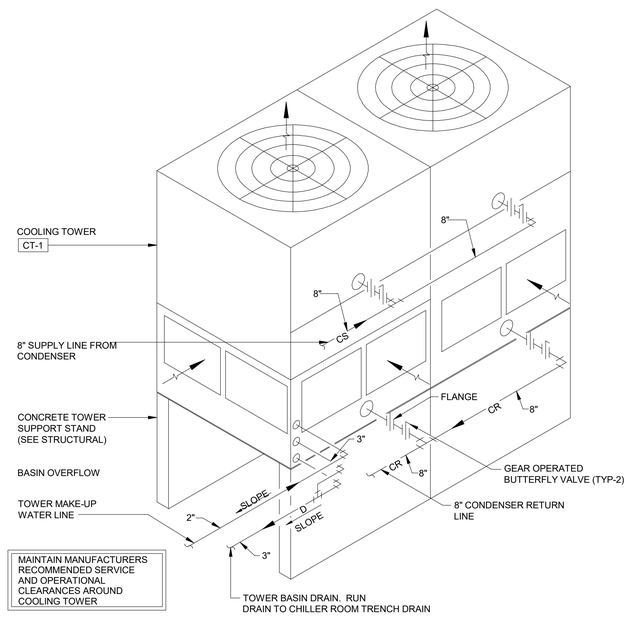
4 M502 DIFFUSER CONNECTION DETAIL

NO SCALE



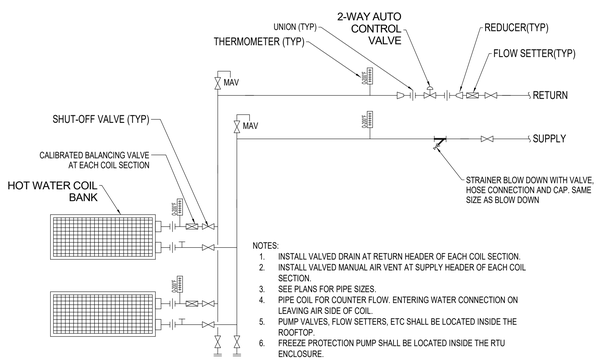
3 M502 ROUND DUCT ELBOW DETAILS

NO SCALE



2 M502 COOLING TOWER DETAIL

NO SCALE



1 M502 PRE-HEAT COIL, CHILLED WATER COIL, HC-1, HC-3, CC-1, CC-2 SCHEMATIC

NO SCALE

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ISSUE DATE	0119.002
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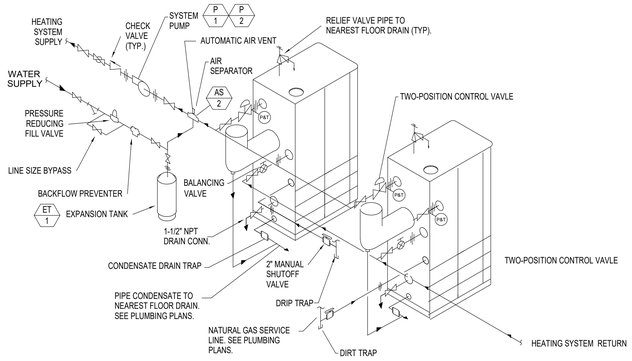
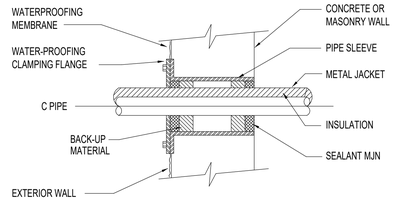
MECHANICAL DETAILS

M502

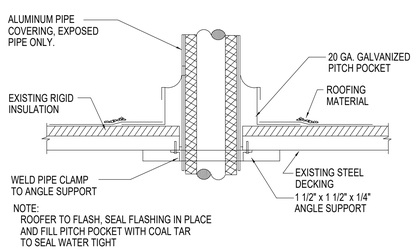


NOTES:
1. SHELL DRAIN VALVE AND CONDENSATE DRAIN TRAP SHOULD BE ARRANGED TO PERMIT THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO A CONVENIENT FLOOR DRAIN. RELIEF VALVE SHOULD BE PIPED VERTICALLY TO A HEIGHT 18" ABOVE FLOOR.
2. LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.

17 / M503 — BOILER PIPING SCHEMATIC
NO SCALE

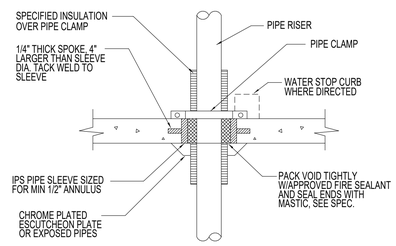


15 / M503 — PIPE SLEEVE THRU EXTERIOR WALL OR FOUNDATION WALL (BELOW GRADE)
NO SCALE

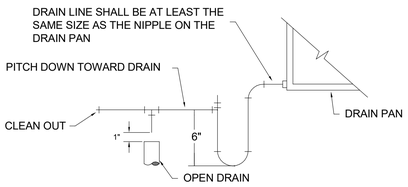


NOTE:
ROOFER TO FLASH, SEAL FLASHING IN PLACE AND FILL PITCH POCKET WITH COAL TAR TO SEAL WATER TIGHT

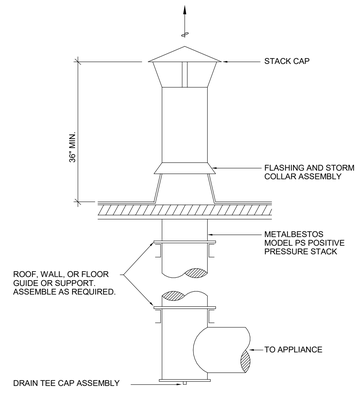
12 / M503 — PIPE PENETRATION AT ROOF
NO SCALE



8 / M503 — PIPE THROUGH FLOOR SLAB DETAIL
NO SCALE

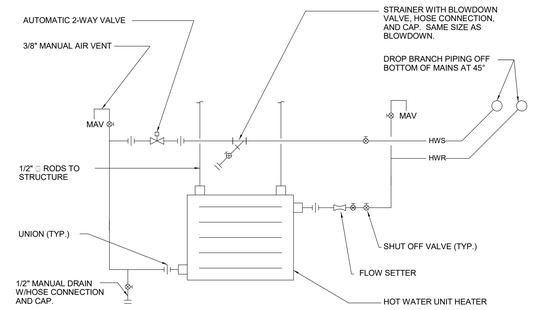


4 / M503 — AIR HANDLING UNIT DRAIN TRAP
NO SCALE

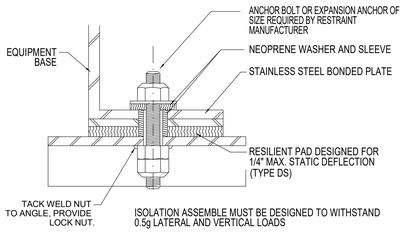


NOTE: PROVIDE ADJUSTABLE LENGTHS FOR EXPANSION,GUIDES, SUPPORTS, FITTINGS, ETC AS REQUIRED FOR A COMPLETE ASSEMBLY.

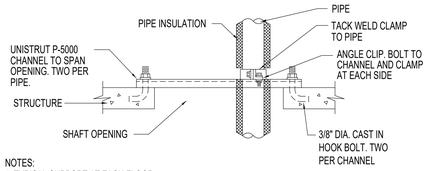
14 / M503 — BOILER PRESSURE TYPE STACK DETAIL
NO SCALE



11 / M503 — HOT WATER UNIT HEATER PIPING
NO SCALE

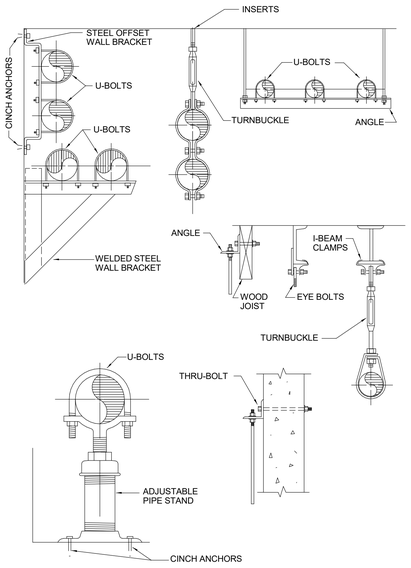


7 / M503 — RESILIENT PAD ISOLATOR RESTRAINT DETAIL
NO SCALE

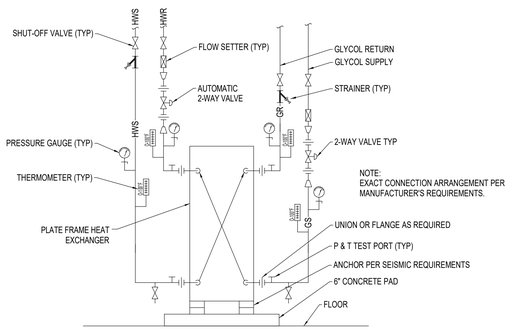


NOTES:
1. TYPICAL SUPPORT AT EACH FLOOR.
2. FOR MULTIPLE PIPES INSTALL CHANNELS IN PARALLEL AND PROVIDE ADDITIONAL FRAMING. SIZES OF FRAMING MEMBERS AS REQUIRED TO SUPPORT TOTAL WEIGHT OF PIPE.
3. INSULATE CLAMP AT CHILLED WATER PIPE ONLY.

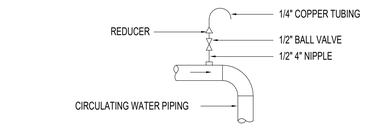
3 / M503 — PIPE RISER SUPPORT DETAIL
NO SCALE



10 / M503 — TYPICAL PIPE SUPPORT DETAIL
NO SCALE

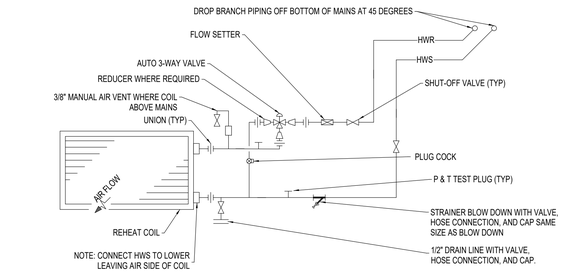


6 / M503 — HOT WATER TO GLYCOL HEAT EXCHANGER PIPING DETAIL
NO SCALE

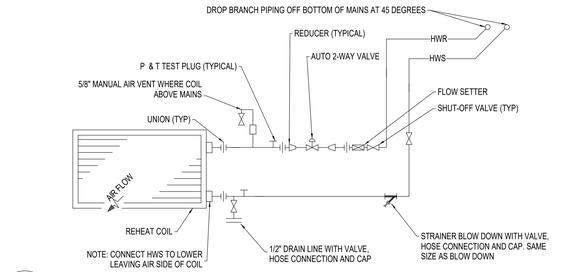


NOTES:
1. VENT ALL HIGH POINTS AS INDICATED ABOVE.
2. IF AUTOMATIC AIR VENTS ARE USED, PIPE DISCHARGE TO DRAIN.

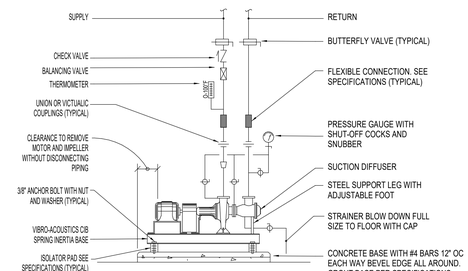
2 / M503 — TYPICAL AIR VENT
NO SCALE



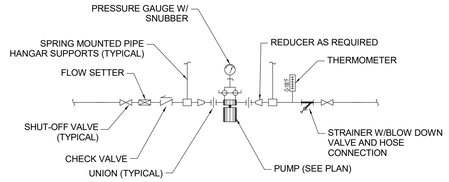
16 / M503 — VAV BOX PIPING DETAIL WITH 3-WAY AUTO-VALVE
NO SCALE



13 / M503 — VAV BOX PIPING DETAIL WITH 2-WAY AUTO-VALVE
NO SCALE



9 / M503 — BASED MOUNTED PUMP CONNECTION DETAIL
NO SCALE



5 / M503 — IN-LINE PUMP DETAIL
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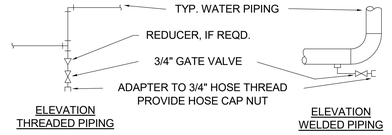

NOTES:
1. DRAIN ALL LOW POINTS AS INDICATED ABOVE.
2. WHERE SCALE POCKETS ARE SHOWN ON PIPE RISER DIAGRAMS AND/OR PLANS LOCATE DRAIN AT BOTTOM OF SCALE POCKET.

1 / M503 — TYPICAL DRAIN VALVE CONNECTION
NO SCALE

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DRAWING ISSUE	BID SET
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NWL PROJECT	0119.002



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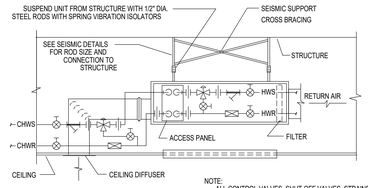
MECHANICAL DETAILS

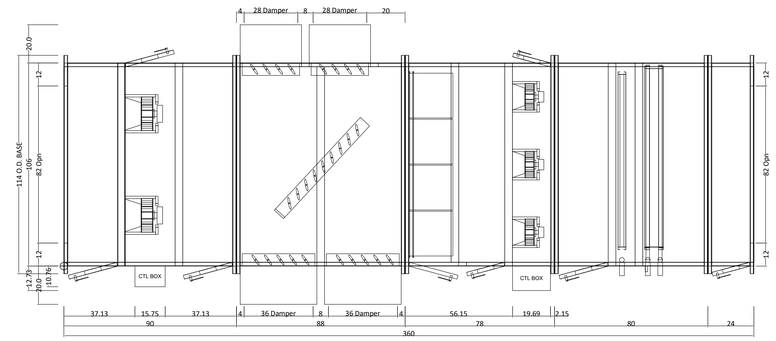
M503

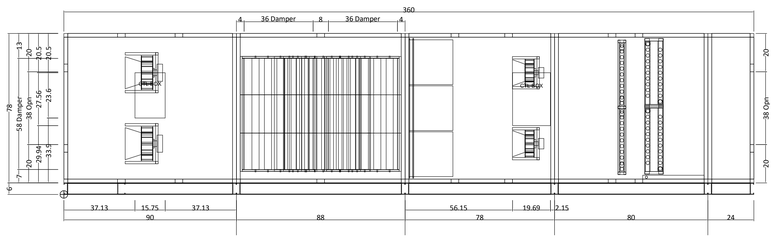
Component Key
(A) Plenum Section
(B) Access Section
(C) Return Fan
(D) Access Section
(E) Double Mixing Box
(F) Panel Filter
(G) Access Section
(H) Supply Fan
(I) Access Section
(J) Hot Water Coil
(K) Access Section
(L) Chilled Water coil
(M) Plenum Section
(N) Vestibule Section
(O) Vestibule Section



4 M504 CEILING MOUNTED 4 PIPE FAN COIL UNIT WITH 3-WAY VALVE

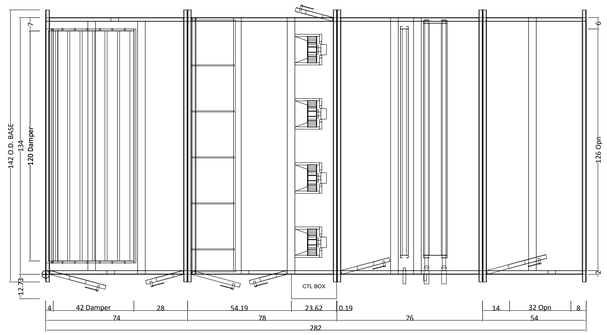
NO SCALE

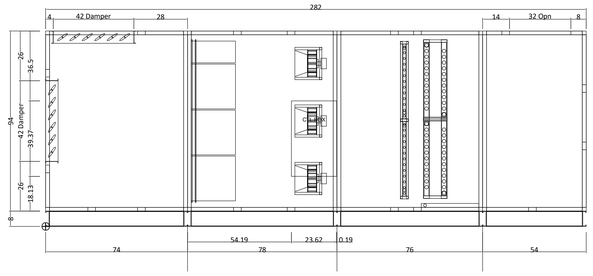




3 M-504 CUSTOM ROOFTOP UNIT RTU - 3

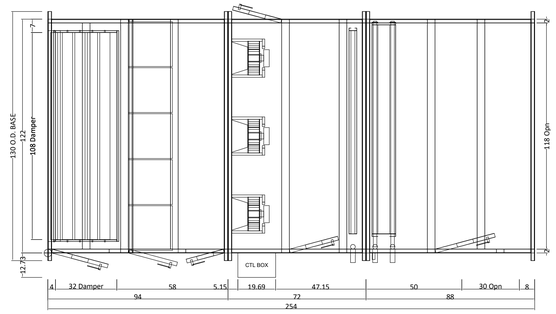
NO SCALE

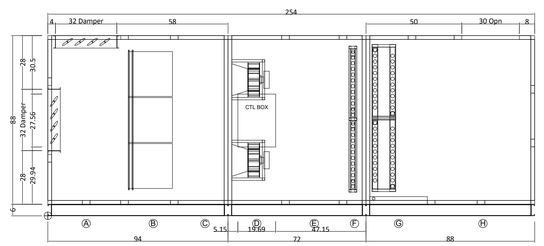




2 M-504 CUSTOM AIR HANDLING UNIT AHU-2

NO SCALE





1 M-504 CUSTOM AIR HANDLING UNIT AHU - 1

NO SCALE

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NWL PROJECT	0119.002



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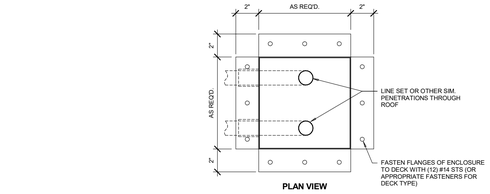
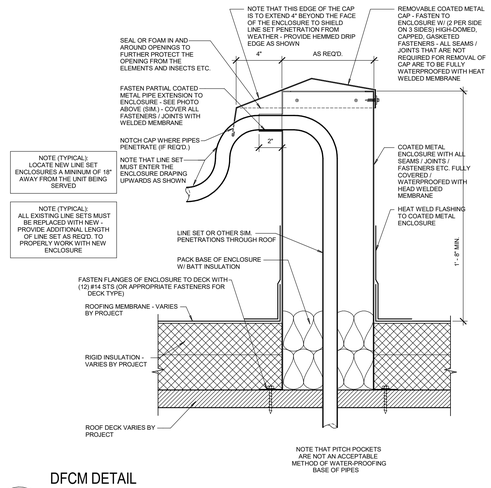
CACHE COUNTY SCHOOL DISTRICT

MECHANICAL DETAILS

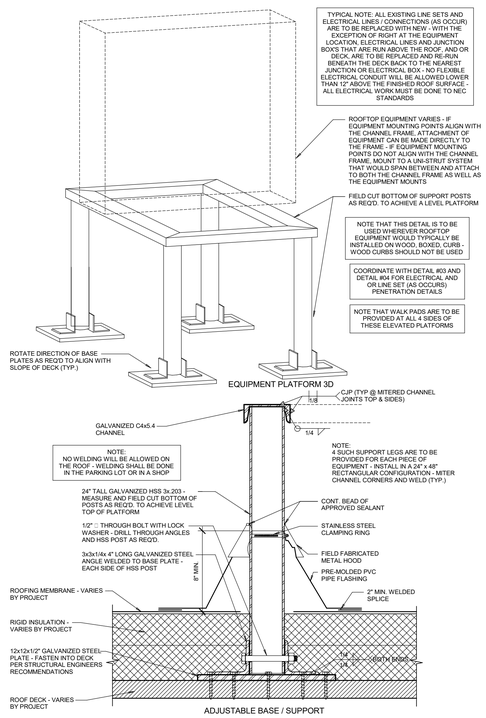
M504



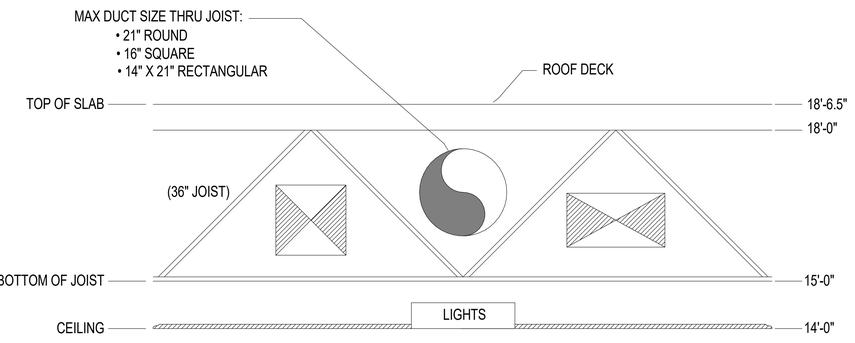
PLAN VIEW



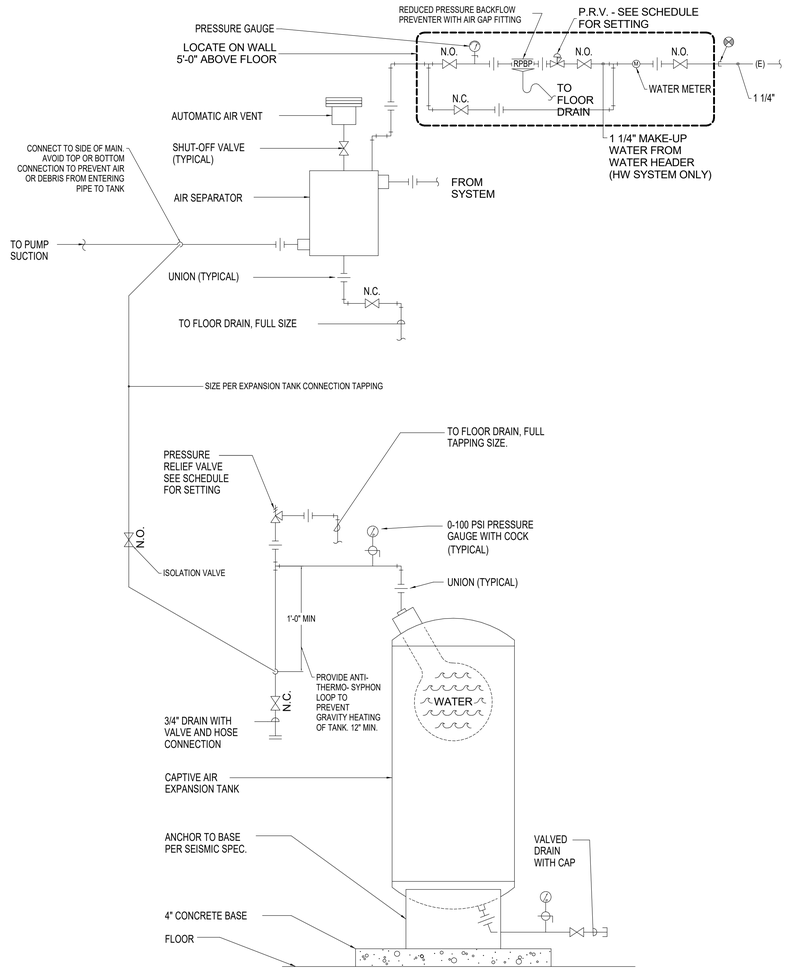
6 M505 DFCM DETAIL
LINE SET ENCLOSURE
NO SCALE



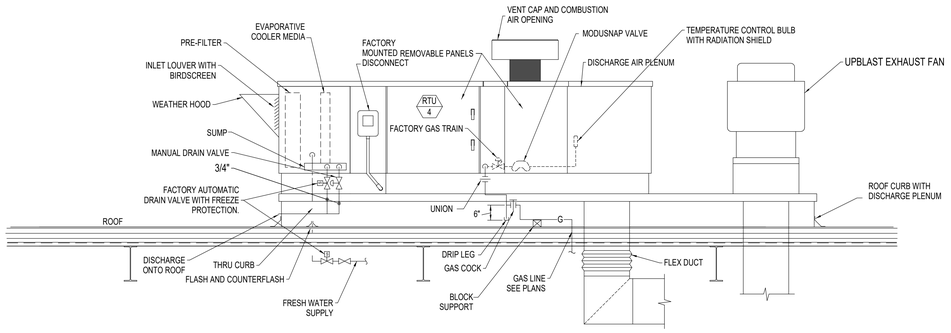
5 M505 DFCM DETAIL
ELEVATED EQUIPMENT PLATFORM
NO SCALE



3 M505 CEILING ALLOCATION CHART
NO SCALE



1 M505 EXPANSION TANK DETAIL
NO SCALE



2 M505 KITCHEN MAKE-UP AIR HANDLER DETAIL
NO SCALE

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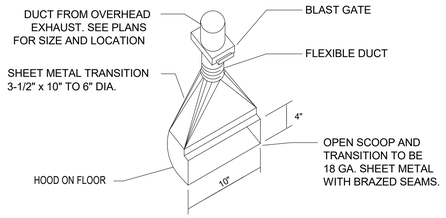
ISSUE DATE	03/25/2025
MWL PROJECT	0119.002

LICENSED PROFESSIONAL ENGINEER
No. 8388645-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

DATE	REVISION

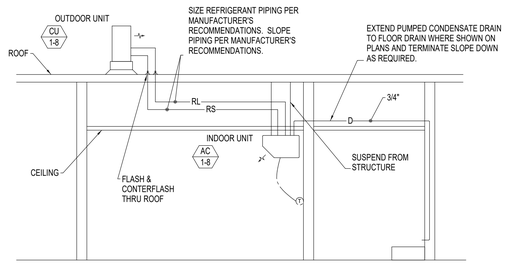
MECHANICAL DETAILS

M505



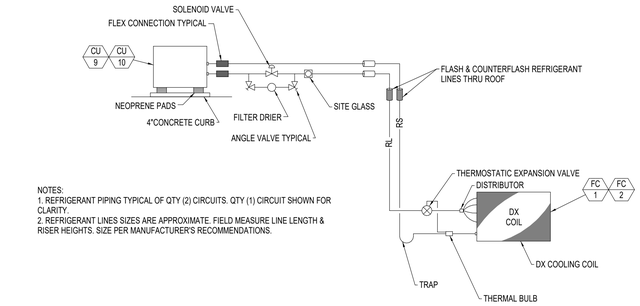
9 M506 FLOORSWEEP

NO SCALE



8 M506 SPLIT SYSTEM CONDITIONING UNIT DETAIL

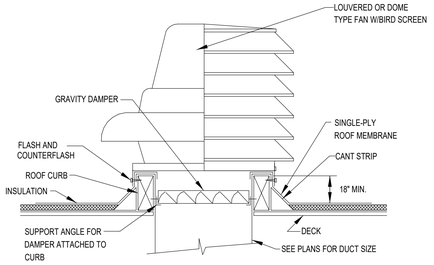
NO SCALE



NOTES:
1. REFRIGERANT PIPING TYPICAL OF QTY (2) CIRCUITS. QTY (1) CIRCUIT SHOWN FOR CLARITY.
2. REFRIGERANT LINES SIZES ARE APPROXIMATE. FIELD MEASURE LINE LENGTH & RISER HEIGHTS. SIZE PER MANUFACTURER'S RECOMMENDATIONS.

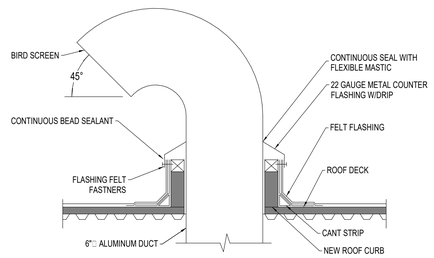
7 M506 CONDENSING UNIT/COOLING COIL DETAIL

NO SCALE



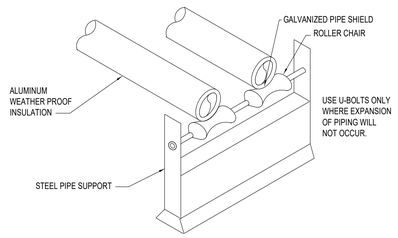
6 M506 ROOF HOOD DETAIL

NO SCALE



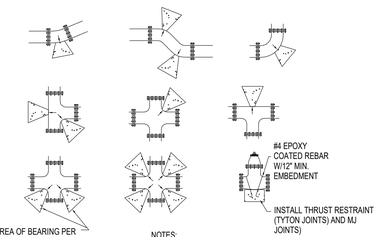
5 M506 DUCT FLASHING DETAIL

NO SCALE



4 M506 CHILLER WATER PIPE SUPPORT AT CHILLER DETAIL

NO SCALE

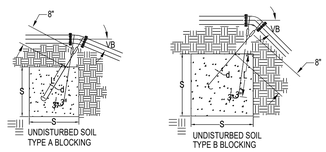


MINIMUM BEARING AREA IN SQ. FT.					
SIZE OF PIPE	TEES, VALVES DEAD ENDS	90° BENDS	45° BENDS	22 1/2° BENDS	11 1/4° BENDS
4"	2	3	2	2	2
6"	4	5.5	3	1.5	1
8"	6.5	9.5	5	2.75	1.5
12"	14	20	11	5.5	3
14"	19	26.5	14.5	7.5	4
16"	24	34	18.5	9.5	6
20"	27	52	28.5	14.5	16
24"	53	74	41	21	53
30"	81	114	62	32	16

NOTES:
1. ALL WORK MUST BE INSPECTED AND APPROVED BY THE AUTHORIZING AUTHORITY PRIOR TO BACKFILL.
2. THRUST BLOCKS OR RESTRAINTS MUST BE POURED AGAINST UNDISTURBED SOIL.
3. CONCRETE MUST HAVE A MINIMUM OF 2,000 P.S.I. COMPRESSIVE STRENGTH IN 28 DAYS.
4. CONCRETE MUST BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINES OR HAVE ADDITIONAL, APPROVED THRUST RESTRAINTS INSTALLED PRIOR TO PRESSURIZATION OF THE WATER LINE.
5. ALL PIPE JOINTS ARE TO BE LEFT ACCESSIBLE.
6. REINFORCING STEEL BARS ARE TO BE EPOXY COATED IN ACCORDANCE WITH AWWA RECOMMENDATIONS. EPOXY IS TO BE A MINIMUM THICKNESS OF 15 MIL.
7. ALL EXPOSED METAL SURFACES ARE TO BE COATED WITH CHEVRON POLY FM-1 GREASE AND WRAPPED WITH 8 MIL. MINIMUM THICKNESS OF POLYETHYLENE SHEETING OR TUBING.
8. THRUST DESIGN FOR PIPE SIZES OR CONFIGURATIONS THAT ARE NOT SHOWN REQUIRE A SPECIAL DESIGN.
9. BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING OR RESTRAINING DETAILS TAKE PRECEDENCE OVER THIS STANDARD.
10. RESTRAIN SIZING ASSUMES A MAXIMUM OPERATING PRESSURE OF 150 P.S.I., TEST PRESSURE OF 200 P.S.I., AND A 2,000 LBS. SOIL BEARING STRESS. OPERATING PRESSURES IN EXCESS OF 150 P.S.I. OR SOILS WITH LESS THAN A MINIMUM OF 2,000 LBS. BEARING STRESS WILL REQUIRE A SPECIAL DESIGN.
11. MINIMUM YIELD STRENGTH OF THE STEEL TIE DOWNS IS TO BE 70,000 P.S.I.
12. INSTALL APPROPRIATELY SIZED THRUST BLOCKING ON ALL BLIND FLANGES, MJ PLUGS AND CAPS.
13. LOCKING RESTRAINT DEVICES MAY BE USED IN CONJUNCTION WITH CONCRETE THRUST BLOCKING. (AT THE OPTION OF THE ENGINEER)

3 M506 DIRECT BEARING THRUST RESTRAINTS

NO SCALE



TYPE A BLOCKING FOR 11 1/4° - 22 1/2° VERT. BENDS					
	VB		S	d	L
PIPE SIZE NOMIN. DIAMETER - INCH	VERTICAL BEND DEGREES	NO. OF BOLT OF CONCRETE BLOCKING SIDE OF CUBE FEET	DIAMETER OF SHACK OR REBAR - INCH	DEPTH OF RODS IN CONCRETE FT.	
4"	11 1/4°	8	2.0	5/8" #4	1.5
	22 1/2°	15.6	2.5	#4	2.0
6"	11 1/4°	15.6	2.5	#4	2.0
	22 1/2°	34.3	3.25	#4	2.0
8"	11 1/4°	27	3.0	#4	2.0
	22 1/2°	64	4.0	#4	2.0
12"	11 1/4°	64	4.0	#4	2.0
	22 1/2°	125	5.0	#4	3.0
16"	11 1/4°	107	4.25	#5	3.0
	22 1/2°	216	6.0	#5	4.0
20"	11 1/4°	138	5.17	#5	3.5
	22 1/2°	334	6.94	#5	4.0
24"	11 1/4°	240	6.22	#5	4.0
	22 1/2°	476	7.81	#5	4.0
30"	11 1/4°	369	7.17	#5	4.0
	22 1/2°	733	9.02	#5	4.0

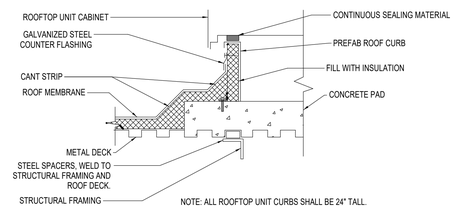
TYPE B BLOCKING FOR 45° VERTICAL BENDS					
	VB		S	d	L
PIPE SIZE NOMIN. DIAMETER - INCH	VERTICAL BEND DEGREES	NO. OF BOLT OF CONCRETE BLOCKING SIDE OF CUBE FEET	DIAMETER OF SHACK OR REBAR - INCH	DEPTH OF RODS IN CONCRETE FT.	
4"	45°	1	3.0	5/8" #4	2.0
6"		2.37	4.0	5/8" #4	2.5
8"		3.97	4.75	5/8" #4	2.0
12"		9.04	6.25	5/8" #4	4.0
16"		17.24	7.75	#5 #5	4.0
20"		26.52	5.17	#5 #5	4.0
24"		37.82	10.07	#5 #5	4.0
30"		58.26	11.63	#5 #5	4.0

NOTES:
1. ALL WORK MUST BE INSPECTED AND APPROVED BY THE AUTHORIZING AUTHORITY PRIOR TO BACK FILL.
2. THRUST BLOCKS OR RESTRAINS MUST BE PLACED ON UNDISTURBED SOIL.
3. CONCRETE MUST HAVE A MINIMUM OF 2,000 P.S.I. COMPRESSIVE STRENGTH IN 28 DAYS.
4. CONCRETE MUST BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING THE WATER LINES OR HAVE ADDITIONAL APPROVED THRUST RESTRAINS INSTALLED PRIOR TO PRESSURIZATION OF THE WATER LINE.
5. MINIMUM YIELD STRENGTH OF THE STAINLESS STEEL TIE DOWNS ARE TO BE 70,000 P.S.I.
6. REINFORCING STEEL BARS TO BE EPOXY COATED IN ACCORDANCE WITH AWWA RECOMMENDATIONS. THE EPOXY IS TO HAVE A MINIMUM THICKNESS OF 15 MILS.
7. ALL EXPOSED METAL SURFACES ARE TO BE COATED WITH CHEVRON POLY FM-1 GREASE AND WRAPPED WITH A MINIMUM OF 8 MILS. THICKNESS OF POLYETHYLENE SHEETING OR TUBING.
8. THRUST DESIGN FOR PIPE SIZES OR CONFIGURATIONS NOT SHOWN REQUIRE A SPECIAL DESIGN.
9. BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING OR RESTRAINING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.
10. RESTRAINT SIZING ASSUMES A MAXIMUM OPERATING PRESSURE OF 150 P.S.I., OPERATING PRESSURE RANGES IN EXCESS OF 150 P.S.I. WILL REQUIRE A SPECIAL DESIGN.

2 M506 TIE DOWN THRUST RESTRAINTS

NO SCALE

NOTE: ANCHOR ROOFTOP UNIT AND PREFAB ROOF CURB PER SEISMIC RESTRAINT REQUIREMENTS.



NOTE: ALL ROOFTOP UNIT CURBS SHALL BE 24" TALL.

1 M-506 ROOFTOP UNIT CURB ON CONCRETE PAD DETAIL

NO SCALE

naylor wentworth lund
architects

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 02/25/2025
DRAWING ISSUE
ISSUE DATE
WWL PROJECT 0119.002

LICENSED PROFESSIONAL ENGINEER
No. 8388645-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

DATE REVISION

MECHANICAL DETAILS

M506

AIR HANDLER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	AREA SERVED	AIR COMPONENTS: SUPPLY AIRFLOW (CFM)	FANS	COILS	ELECTRICAL: LIGHTING AND OUTLET VOLT/PH/HZ	PHYSICAL: CABINET LENGTH/ WIDTH/HEIGHT (IN)	WEIGHT (LB)	NOTES
AH-1	DAIKIN	LEVEL 1	24000	SF-AH-1	CC-AH-1, HC-AH-1	120/1/60	254/122/88	8271	1,2,3,5
AH-2	DAIKIN	LEVEL 2	33400	SF-AH-2	CC-AH-2, HC-AH-2	120/1/60	282/134/94	10387	1,2,3,5
RTU-3	DAIKIN	MULTIPURPOSE	21435	SF-RTU-3, RF-RTU-3	CC-RTU-3, HC-RTU-3	120/1/60	360/106/78	10136	1,2,3,4,5

1. UNIT COMPLETE WITH 2" FILTERS.
2. UNIT COMPLETE WITH EBTRON AIR FLOW MEASURING STATION ON THE OUTSIDE AIR INLET.
3. UNIT COMPLETE WITH UL 268A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN ON THE RETURN AIR INLET.
4. UNIT COMPLETE WITH 20" SEISMIC CURB.
5. SINGLE POINT POWER CONNECTION.

MAKE-UP AIR HANDLER UNIT SCHEDULE

ID	MANUFACTURER	MODEL NO	LOCATION	OUTSIDE AIR FLOW RATE (CFM)	HEATING: EXTERNAL STATIC PRESSURE DROP (IN H20)	ENTER/ LEAVING AIR TEMP. DB (DEG. F)	INPUT HEATING LOAD (MBH)	OUTPUT HEATING LOAD (MBH)	FUEL TYPE	MAX DIMENSIONS L x W x H (IN)	MAX OPERATING WEIGHT (LBS)	EVAP COOLER	MOTOR: HP	MOTOR: VOLT/PH/HZ	NOTES
MAU-1	GREENHECK	IGX-P122-H12-MF	KITCHEN	2250	0.75	-20	205.5	166.5	NAT GAS	124 X 44 X 39	1221	YES	1	460/3/60	(1)(2)(3)(4)(5)(6)
MAU-2	GREENHECK	IGX-P115-H12-MF	KITCHEN	2430	0.75	-20	205.5	166.5	NAT GAS	124 X 44 X 39	1221	YES	1	460/3/60	(1)(2)(3)(4)(5)(6)

(1) ALL CAPACITIES BASED AT 4,800 FEET ELEVATION.
(2) UNIT COMPLETE WITH 18" SPRING VIBRATION ISOLATED ROOF CURB. MATCH ROOF CURB TO SUPPORT UNIT.
(3) SUPPLIED WITH VENT CAP AND COMBUSTION AIR OPENING.
(4) INTERLOCK UNIT WITH KITCHEN HOOD CONTROL PANEL, DIV. 26.
(5) EQUIPPED WITH FACTORY MOUNTED STARTER & DISCONNECT.
(6) TYPE UNIT: 100% OUTSIDE AIR ROOFTOP MAKE-UP AIR HANDLING UNIT, COMPLETE WITH THE FOLLOWING OPTIONS:
A) DOWN DISCHARGE PLENUM.
B) STAINLESS STEEL HEAT EXCHANGER.
C) MODULATING GAS VALVE DOWN TO 30% AND DUCT TEMPERATURE SENSOR. SET TEMPERATURE SENSOR AT 65 DEG-F LEAVING AIR TEMPERATURE.
D) EVAPORATIVE COOLER TO BLOWER FAN TRANSITION.
E) FACTORY MOUNTED DISCONNECT.

AIR SEPARATOR SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: FLOW (GPM)	FLUID: WORKING FLUID	HEAD LOSS (FT)	SYSTEM PRESSURE (PSIG)	PHYSICAL: DIA./ HEIGHT (IN)	NOTES
AS-1	SPIROTHERM VHN600	MECH C228	HIGH VELOCITY, AIR/DIRT	435	30% P GLY	3	60	12.8/61.8	1
AS-2	SPIROTHERM VHN400	MECH C229	HIGH VELOCITY, AIR/DIRT	249	30% P GLY	3	60	8.6/20.7	1

1. ASME CERTIFIED

HYDRONIC BOILER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FUEL TYPE	INPUT LOAD (BTU/H)	INPUT FLOW (CFH)	OUTPUT LOAD (BTU/H)	FLUID: FLOW RATE (GPM)	FLUID: ENTERING/ LEAVING TEMP. (°F)	FLUID: WORKING FLUID	FLUID: HEAD LOSS (FT)	ELECTRICAL: MOTOR QUAN.	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: MOTOR VOLT/PH/HZ	ELECTRICAL: MOCP	PHYSICAL: CONTROL CIRCUIT VOLT/PH/HZ	PHYSICAL: STACK DIAMETER (IN)	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
B-1	CLEAVER-BROOKS CFC-E 2000	MECH C229	COND, FORCED	NAT GAS	2000000	2273	1760000	155	160/136	30% P GLY	5	1	3	120/1/60	20	120/1/60	8	56/35.7/79.8	1,2,3
B-2	CLEAVER-BROOKS CFC-E 2000	MECH C229	COND, FORCED	NAT GAS	2000000	2273	1760000	155	160/136	30% P GLY	5	1	3	120/1/60	20	120/1/60	8	56/35.7/79.8	1,2,3

1. ASME CERTIFIED
2. 10 TO 1 TURNDOWN.
3. PROVIDE EMERGENCY BOILER SHUT DOWN SWITCH PER SPECIFICATIONS.

CHEMICAL FEED SYSTEM SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: WORKING FLUID	FLUID: TOTAL VOLUME (GAL)	FLUID: STATIC FILL PRESSURE (PSIG)	FLUID: PRESSURE RATING (PSIG)	ELECTRICAL: VOLT/PH/HZ	ELECTRICAL: ALARM PANEL	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	PHYSICAL: NPT FITTING (IN)	PHYSICAL: TANK SIZE (GAL)	NOTES
CWT-1	WEST WATER TREATMENT	MECH C228	CHEMICAL FEEDER	WATER	1688.4	4	0	120/1/60	----	108/36/66	1	50	1-3

1. PROVIDE THREE DOUBLE WALL CONTAINMENT POLY TANKS: (1) SCALE INHIBITOR; (2) BIOCIDE. ONE INJECTION PUMP PER TANK MOUNTED ON SS SHELF ABOVE TANKS
2. WALL MOUNTED CONTROLLER. SOLIDS SEPARATOR BLOW DOWN SHALL BE CONTROLLED BY TOWER TREATMENT CONTROLLER
3. ESTIMATED WEIGHT: 50 LBS.

WATER-COOLED CHILLER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	REFRIG.	LOAD (TONS)	FLUID: DESCRIPTION	FLUID: FLOW RATE (GPM)	FLUID: ENTERING/ LEAVING TEMP. (°F)	FLUID: WORKING FLUID	ELECTRICAL: HEAD LOSS (FT)	ELECTRICAL: MAX KW	ELECTRICAL: TOTAL MCA	ELECTRICAL: TOTAL MOCP	ELECTRICAL: MAXIMUM UNIT EFFICIENCY (KW/TON)	ELECTRICAL: EFFICIENCY RATING	CHILLER AND CONTROL CIRCUIT VOLT/PH/HZ	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
CH-1	CARRIER 30HXC206	MECH C228	SCREW	R513A	205.3	EVAPORATOR	516.2	54/44	30% P GLY	19.8	134.4	268.8	350	0.6545	0.58040 (NPLV)	460/3/60 - 120/1/60	158/52/100	1-4
						CONDENSER	580.8	80/90	WATER	20.3								

1. WITH FACTORY SOUND ATTENUATION, STARTER AND DISCONNECT
2. UNIT WITH MODULATION CAPACITY DOWN TO 15% OF MAXIMUM LOAD AND RUN AT 55 CHWS AND 59 CHWR
3. UNIT WITH FACTORY VSD/DISCONNECT, FILTER, BACNET NETWORK INTERFACE CARD
4. MINIMUM EVAPORATOR FLOW = GPM, CONDENSER = GPM.

AIR HANDLER HYDRONIC COIL SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	USAGE	AIR: AIRFLOW RATE (CFM)	AIR: LOAD (BTU/H)	HYDRONIC: SENSIBLE LOAD (BTU/H)	HYDRONIC: ENTERING TEMP. DB/WB (°F)	HYDRONIC: LEAVING TEMP. DB/WB (°F)	HYDRONIC: STATIC PRESSURE (IN. H2O)	HYDRONIC: FLOW RATE (GPM)	HYDRONIC: ENTERING/ LEAVING TEMP. (°F)	HYDRONIC: WORKING FLUID	HYDRONIC: HEAD LOSS (FT)	PHYSICAL: NO. COILS	PHYSICAL: MINIMUM FACE AREA (FT²)	PHYSICAL: MINIMUM NO. ROWS/ FINS PER INCH	NOTES
CC-AH-1	DAIKIN	AH-1	COOLING	24000	589695	562172	80.6/61.5	55.2/52.6	0.45	101.0	42/53.8	30% P GLY	10.2	2	54.5	8/7	
CC-AH-2	DAIKIN	AH-2	COOLING	33400	752967	734681	78.8/61	54.8/52.5	0.58	126.0	42/54.5	30% P GLY	14.5	2	65.54	8/7	
CC-RTU-3	DAIKIN	RTU-3	COOLING	21435	589321	534302	82.0/62.9	54.8/53.2	0.78	100.0	42/53.9	30% P GLY	15.9	2	42.62	6/8	
HC-AH-1	DAIKIN	AH-1	HEATING	24000	945406	945406	24.1	67.1	0.1	48.0	160/118.6	30% P GLY	5.00	2	53	2/6	
HC-AH-2	DAIKIN	AH-2	HEATING	33400	822084	822084	-11.7	71	0.21	40.5	160/117.3	30% P GLY	3.40	2	63.92	1/13	
HC-RTU-3	DAIKIN	RTU-3	HEATING	21435	1017056	1017056	38.4	90.2	0.21	53.2	160/119.8	30% P GLY	6.20	2	41.25	2/12	

CONDENSATE NEUTRALIZER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QTY	TYPE	CONDENSATE DEVICE: INPUT LOAD (BTU/H)	CONDENSATE DEVICE: EFFICIENCY (%)	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	PHYSICAL: NPT FITTING (IN)	NOTES
CN-1	AXIOM NT25	BOILER ROOM D135	1	STANDARD	5000000	96	17.5/13.5/8	1	
CN-2	AXIOM NT25	BOILER ROOM D135	1	STANDARD	5000000	96	17.5/13.5/8	1	

COOLING TOWER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FAN AIRFLOW (CFM)	FLUID: AMBIENT TEMP. DB/WB (°F)	FLUID: FLOW RATE (GPM)	FLUID: ENTERING/ LEAVING TEMP. (°F)	FLUID: WORKING FLUID	FLUID: INLET/ OUTLET HEAD LOSS (FT)	ELECTRICAL, FAN: MOTOR QUAN.	ELECTRICAL, FAN: MOTOR SIZE (HP)	ELECTRICAL, FAN: MOTOR SPEED (RPM)	ELECTRICAL, FAN: TOWER AND CONTROL CIRCUIT VOLT/PH/HZ	PHYSICAL: OPERATING WEIGHT (LB)	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
CT-1	EVAPCO AT 19-3H6-FM	MECH. YARD	OPEN, COUNTERFLOW, AXIAL	35100	95/67	600	90/80	WATER	5	1	7.5	1750	460/3/60 - 120/1/60	6240	90/101.5/140.4	1-7

1. UNIT PROVIDED WITH LOW SOUND FAN.
2. BASIN SHALL BE ALL 304 STAINLESS STEEL CONSTRUCTION.
3. PROVIDE BASIN PLATFORM, LADDERS, LADDER EXTENSIONS AS REQUIRED.
4. PROVIDE WITH VIBRATION SWITCHES.
5. UNIT COMPLETE WITH A 10 KW, 480V/3PH SUMP HEATER. PROVIDE TRANSFORMER FOR A CONTROL CIRCUIT AT 120V/1PH.
6. TOWER SITS ON SUPPORT. SEE STRUCTURAL DRAWINGS.
7. UNIT COMPLETE WITH SUMP SWEEPER PIPING, MINIMUM SWEEPER FLOW RATE 59 GPM AT 20 PSI.

HOT WATER UNIT HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR: FAN SPEED SETTING	AIR: USE TYPE	AIR: AIRFLOW RATE (CFM)	AIR: LOAD (BTUH)	AIR: ENTERING TEMP. DB (°F)	AIR: LEAVING TEMP. DB (°F)	FLUID: FLOW RATE (GPM)	FLUID: ENTERING/ LEAVING TEMP. (°F)	FLUID: WORKING FLUID	FLUID: HEAD LOSS (FT)	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: TOTAL MOTOR AMPS	ELECTRICAL: MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH	PHYSICAL: FINS/INCH	NOTES
UH-1	RITTLING RH-18	EX STORAGE C230	LOW	HEATING	400	7,200	60	76.3	0.7	160/140	30% P GLY	0.2	1/30	0.7	-	120/1	12	1,2
UH-2	RITTLING RH-18	RECEIVING C233	LOW	HEATING	310	5,900	60	77.2	0.6	160/140	30% P GLY	0.1	1/30	0.7	-	120/1	12	1,2
UH-3	RITTLING RH-18	FIRE RISER B138	LOW	HEATING	400	7,200	60	76.3	0.7	160/140	30% P GLY	0.2	1/30	0.7	-	120/1	12	1,2

1. UNIT PROVIDED WITH TWO SPEED MOTOR.
2. UNIT PROVIDED WITH FACTORY DISCONNECT, STARTER AND INTEGRAL THERMOSTAT.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE,. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. COLOR AND FINISH AS SELECTED BY ARCHITECT FRO...
CD-2	PRICE	SDS 100	30	2 SLOT LINEAR CEILING DIFFUSER WITH FULLY ADJUSTABLE AIR PATTERN AND FLOW CONTROL VANES FOR ONE OR TWO WAY THROW PATTERN. UNITS SHALL HAVE 1" SLOTS AND INSULATED PLENUM WITH ROUND DUCT CONNECTION. FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED. UNIT SHALL BE CURVED FACE FOR EXPOSED DUCT MOUNTING AS REQUIRED.
CD-3	PRICE	SDS 100	30	3 SLOT LINEAR CEILING DIFFUSER WITH FULLY ADJUSTABLE AIR PATTERN AND FLOW CONTROL VANES FOR ONE OR TWO WAY THROW PATTERN. UNITS SHALL HAVE 1" SLOTS AND INSULATED PLENUM WITH ROUND DUCT CONNECTION. FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED. UNIT SHALL BE CURVED FACE FOR EXPOSED DUCT MOUNTING AS REQUIRED.
CD-4	PRICE	SDS 100	30	4 SLOT LINEAR CEILING DIFFUSER WITH FULLY ADJUSTABLE AIR PATTERN AND FLOW CONTROL VANES FOR ONE OR TWO WAY THROW PATTERN. UNITS SHALL HAVE 1" SLOTS AND INSULATED PLENUM WITH ROUND DUCT CONNECTION. FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED. UNIT SHALL BE CURVED FACE FOR EXPOSED DUCT MOUNTING AS REQUIRED.
DL-1	PRICE	HCD1	25	DRUM LOUVER SUPPLY GRILLE WITH ROTATABLE DRUM HAVING MECHANISM TO FIX DRUM ANGLE. VARIABLE VOLUME, STEEL FRAME. ALUMINUM VANES AND DRUM. MOUNTING FRAME C/W COUNTER SUNK HOLES FOR DUCT MOUNTING. ADJUSTABLE THROUGH 60 DEGREES. 30" X 6" 525 - 700 CFM.
DB-1	IN-O-VATE	425THD	-	MODEL 425 ALUMINUM RECESSED DRYER VENT BOX.
DV-1	SEIHO SFZ 4	--		EXTERNAL DRYER VENT, ALL ALUMINUM CONSTRUCTION, CLEAR ANODIZED FINISH.
RG-1	PRICE	PDDR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY. COLOR AND FINISH AS SELECTED BY ARCHITECT.
RG-2	PRICE	90	30	HEAVY DUTY RETURN GYM GRILLE. PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. STEEL OPPOSED...
EG-1	PRICE	80	30	CRATE TYPE CEILING EXHAUST AIR UNIT, WITH OBD. REMOVABLE FACE AND CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. UNITS SHALL HAVE 1/2" x 1/2" x 1/2"...
SWE-1	PRICE	535	30	SIDEWALL RETURN AIR GRILLE. HORIZONTAL STATIONARY 45° DEFLECTION VANES SET ON 1/2 INCH CENTER. COLOR AND FINISH AS SELECTED BY ARCHITECT
SWR-1	PRICE	535	30	SIDEWALL RETURN AIR GRILLE. HORIZONTAL STATIONARY 45° DEFLECTION VANES SET ON 1/2 INCH CENTER. COLOR AND FINISH AS SELECTED BY ARCHITECT
SWS-1	PRICE	520	30	DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER. VERTICAL FRONT WITH HORIZONTAL REAR DEFLECTION ADJUSTABLE VANES SPACED AT 3/4 INCH O.C. COMPLETE WITH OBD AND REMOVABLE CORE...
SWS-2	PRICE	HCD1	30	DRUM LOUVER SUPPLY GRILLE WITH ROTATABLE DRUM HAVING MECHANISM TO FIX DRUM ANGLE VARIABLE VOLUME. STEEL FRAME, ALUMINUM VANES AND DRUM. MOUNTING FRAME C/W COUNTER SUNK HOLES FOR DUCT MOUNTING. ADJUSTABLE THROUGH 60 DEGREES.

1. PROVIDE CD-1 FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE.
2. PROVIDE RG-1 FOR ALL CEILING RETURN GRILLES UNLESS NOTED OTHERWISE.
3. PROVIDE EG-1 FOR ALL CEILING EXHAUST GRILLES UNLESS NOTED OTHERWISE.

EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: WORKING FLUID	FLUID: MIN. TANK/ ACCEPTANCE VOLUME (GAL)	FLUID: MINIMUM FILL PRESSURE (PSIG)	FLUID: MAXIMUM WORKING PRESSURE (PSIG)	FLUID: RELIEF VALVE PRESSURE (PSIG)	PHYSICAL: TANK SIZE (GAL)	PHYSICAL: DIA./ HEIGHT (IN)	PHYSICAL: NPT FITTING (IN)	NOTES
ET-1	TACO CA300-125	MECH C228	VERT, BLADDER, FULL	30% P GLY	64.3/33.8	19.2	54	60	79	24/59	1.5	1
ET-2	TACO CA800-125	MECH C229	VERT, BLADDER, FULL	30% P GLY	192.9/101.3	19.2	54	60	211	30/89	1.5	1

1. ASME CERTIFIED

FAN COIL SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	FAN: EXTERNAL STATIC PRESSURE (IN. H2O)	COILS: COOLING COIL MEDIUM	COILS: HEATING COIL MEDIUM	ELECTRICAL: TOTAL MCA	ELECTRICAL: MOTOR QTY & SIZE (HP)	ELECTRICAL: VOLT/PH/HZ	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
FC-1	IEC CXB08	MECH C229	HORIZONTAL, CABINET	800	0.15	HYDRONIC	HYDRONIC	2.5	1@0.167	120/1/60	43.3/17.5/10	
FC-2	IEC CXB08	MECH C228	HORIZONTAL, CABINET	800	0.15	HYDRONIC	HYDRONIC	2.5	1@0.167	120/1/60	43.3/17.5/10	
FC-3	WILLIAMS HHR-008	ENTRY B1	HP, HORIZONTAL	600	0.3	HYDRONIC	HYDRONIC	5	1@0.133	120/1/60	41/28/10	

FAN COIL, HYDRONIC COIL SCHEDULE

ID	USAGE	AIR: AIRFLOW RATE (CFM)	AIR: LOAD (BTUH)	AIR: SENSIBLE LOAD (BTUH)	HYDRONIC: ENTERING TEMP. DB/WB (°F)	HYDRONIC: LEAVING TEMP. DB/WB (°F)	HYDRONIC: FLOW RATE (GPM)	HYDRONIC: ENTERING/ LEAVING TEMP. (°F)	HYDRONIC: WORKING FLUID	HYDRONIC: HEAD LOSS (FT)	PHYSICAL: MINIMUM NO. ROWS/ FINS PER INCH	NOTES
FC-1	HEATING	640	25500	25500	60	98	1.75	160/140	30% P GLY	5		
	COOLING	640	18800	18800	75/60.7	56/54.2	2.2	44/52	30% P GLY	5	3/10	
FC-2	HEATING	640	25500	25500	60	98	1.7	160/140	30% P GLY	5		
	COOLING	640	18800	18800	75/60.7	56/54.2	2.1	44/52	30% P GLY	5	3/10	
FC-3	HEATING	310	9640	9640	65	93.4	0.6	160/126.4	30% P GLY	0.5	1/12	
	COOLING	600	17698	17698	80/62	53/51.5	3.5	45/55	30% P GLY	7	5/12	

EXHAUST AIR FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	AIR: STATIC PRESSURE (IN. H2O)	FAN: FAN SPEED (RPM)	FAN: FAN WHEEL DIA. (IN)	ELECTRICAL: STATIC EFF. (%)	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: MOTOR BHP (HP)	ELECTRICAL: VOLT/PH/HZ	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	SONES	NOTES
EF-1	GREENHECK CUBE-180	KITCHEN	ROOF, UPBLAST, BELT DRIVE	2812	1	1166	18.5	56	1	0.87	115/1/60	30/30/49	14.4	1,7,8,9
EF-2	GREENHECK CUBE-180	KITCHEN	ROOF, UPBLAST, BELT DRIVE	3038	1	1198	18.5	55	1	0.96	115/1/60	30/30/49	15	1,7,8,9
EF-3	GREENHECK CUE-120-A	KITCHEN	ROOF, UPBLAST, DIRECT DRIVE	1200	1.16	1725	13.063	60	1/2	0.39	115/1/60	19/19/38	18.4	1,4,5,6,8,9
EF-4	GREENHECK G-090-D	ROOF	ROOF, DIRECT DRIVE	550	0.25	1550	10.875	42	1/15	0.06	115/1/60	17/17/27	7.4	1,2,3,6
EF-5	GREENHECK G-090-D	ROOF	ROOF, DIRECT DRIVE	550	0.12	1550	10.875	42	1/15	0.06	115/1/60	17/17/27	7.4	1,2,3,6
EF-6	GREENHECK GB-160	ROOF	ROOF, BELT DRIVE	2030	0.27	866	16.625	40	1/3	0.26	208/1/60	22/22/36	9.6	1,2,3,6
EF-7	GREENHECK CUE-070-VG	ROOF	ROOF, DIRECT DRIVE	75	0.13	962	8.125	41	1/15	-	115/1/60	17/17/28	0.5	1,2,3,6
EF-8	GREENHECK CUE-070-VG	ROOF	ROOF, DIRECT DRIVE	75	0.14	996	8.125	41	1/15	-	115/1/60	17/17/28	0.7	1,2,3,6
EF-9	GREENHECK G-070-VG	ROOF	ROOF, DIRECT DRIVE	150	0.14	1088	8.125	45	1/15	0.01	115/1/60	17/17/24	1.7	1,2,3,6
EF-10	GREENHECK G-90-G	ROOF	ROOF, DIRECT DRIVE	300	0.35	1300	10.875	48	0.04	0.04	115/1/60	22/22/27	5.6	1,2,3,6
EF-11	GREENHECK CSP-A700-VG	CEILING	INLINE, DIRECT DRIVE	300	0.11	665	7.75	20	0.03	0.03	115/1/60	12/12/24	0.3	1,2,3,6
RF-1	GREENHECK CUBE-480	ROOF	ROOF, UPBLAST, BELT DRIVE	14325	0.3	295	48.25	47	2	1.56	208/3/60	58/58/60	10.2	1,2,3,6,10
RF-2	GREENHECK CUBE-480	ROOF	ROOF, UPBLAST, BELT DRIVE	14325	0.3	295	48.25	47	2	1.56	208/3/60	58/58/60	10.2	1,2,3,6,10
RF-3	GREENHECK CUBE-480	ROOF	ROOF, UPBLAST, BELT DRIVE	14325	0.3	295	48.25	47	2	1.56	208/3/60	58/58/60	10.2	1,2,3,6,10
RF-4	GREENHECK CUBE-480	ROOF	ROOF, UPBLAST, BELT DRIVE	14325	0.3	295	48.25	47	2	1.56	208/3/60	58/58/60	10.2	1,2,3,6,10

1. ALL CAPACITIES AT 4800 FT ELEVATION.
2. ROOF MOUNTED EXHAUST FAN. COMPLETE WITH 14" PRE-FAB ROOF CURB, MOTORIZED BACKDRAFT DAMPER, BIRD SCREEN, & INTERNAL THERMAL OVERLOAD PROTECTION. DISCONNECT BY DIV. 26.
3. CONTROL: ATC
4. STATIC PRESSURE & AIRFLOW BASED ON PRELIMINARY DISHWASHER EXHAUST HOOD REQUIREMENTS OF 1050 CFM & 0.37" W.G. S.P. DUCT CONNECTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE SUPPLIED HOOD EXHAUST AND PRESSURE REQUIREMENTS PRIOR TO SUBMITTING EXHAUST FAN FOR APPROVAL.
5. CONTROL: INTERLOCK WITH DISHWASHER BY DIV. 26.
6. INTERLOCK WITH MOTORIZED DAMPER.
7. ROOF MOUNTED KITCHEN GREASE HOOD EXHAUST FAN (UL-762 RATED), COMPLETE WITH HINGED PREFABRICATED ROOF CURB, FAN DISCHARGE TO BE 40 IN. MIN. FROM WALL, EXHAUST DUCT INSIDE CURB TO EXTEND 18 IN MIN ABOVE ROOF DECK, PROVIDE INTEGRAL OVERLOAD PROTECTION AND GREASE TERMINATOR KIT.
8. UNIT COMPLETE WITH CLEANOUT PORT, GREASE TRAP AND DRAIN CONNECTION, STARTER AND DISCONNECT.
9. HOOD EXHAUST: EXTERNAL STATIC PRESSURE LISTED IS BASED ON THE COORDINATED HOOD PRESSURE DROPS. HOOD PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE ACTUAL AIRFLOW AND STATIC PRESSURE DROP. WITH KITCHEN SUPPLIER PRIOR TO SUBMITTING EXHAUST FAN FOR APPROVAL.
10. FAN SHALL BE CONTROLED BY A VFD. VFD BY DIV. 23.

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET 03/25/2025
DRAWING ISSUE 01/10/202
ISSUE DATE
MNL PROJECT



△ DATE REVISION

MECHANICAL SCHEDULES

M601

RETURN/RELIEF AIR FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QTY	TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	AIR: TOTAL STATIC PRESSURE (IN. H2O)	AIR: EXTERNAL STATIC PRESSURE (IN. H2O)	FAN: FAN SPEED (RPM)	FAN: FAN WHEEL DIA. (IN)	ELECTRICAL: MOTOR BHP (HP) ea	ELECTRICAL: MOTOR BHP TOTAL	ELECTRICAL: MOTOR HP EA	ELECTRICAL: TOTAL MOTOR CIRCUIT MOP	ELECTRICAL: TOTAL MOTOR CIRCUIT MCA	ELECTRICAL: MAX MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH/HZ	NOTES
RF-RTU-3	DAIKIN	RTU-3	4	FORWARD CURVED	5359	0.78	0.65	1887	17.71	1.77	7.08	4	20	17.4	2800	460/3/60	1

1. ECM MOTORS.

AIR HANDLER SUPPLY AIR FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QTY	TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	AIR: TOTAL STATIC PRESSURE (IN. H2O)	AIR: EXTERNAL STATIC PRESSURE (IN. H2O)	FAN: FAN SPEED (RPM)	ELECTRICAL: FAN WHEEL DIA. (IN)	ELECTRICAL: MOTOR BHP (HP) ea	ELECTRICAL: MOTOR BHP TOTAL	ELECTRICAL: MOTOR HP EA	ELECTRICAL: TOTAL MOTOR CIRCUIT MOP	ELECTRICAL: TOTAL MOTOR CIRCUIT MCA	ELECTRICAL: MAX MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH/HZ	NOTES
SF-AH-1	DAIKIN	AH-1	6	PLENUM, CENTRIFUGAL	4000	3.75	2.50	2290	17.71	3.53	21.18	6.6	50	43.8	2600	460/3/60	1,2
SF-AH-2	DAIKIN	AH-2	12	PLENUM, CENTRIFUGAL	2783	4.07	2.50	3215	13.98	2.84	34.08	4.4	60	57.6	3230	460/3/60	1,2
SF-RTU-3	DAIKIN	RTU-3	4	PLENUM, CENTRIFUGAL	3573	2.83	1.00	3112	13.98	2.4	9.6	4.4	30	29.4	3300	460/3/60	1,2

1. ECM MOTORS.
2. FANS SHALL BE COMPLETE WILL VFD'S.

FLUID FILTER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	ELECTRICAL: MOTOR (HP)	ELECTRICAL: VOLT/PH/HZ	FLUID: FLOW RATE (GPM)	FLUID: WORKING FLUID	FLUID: HEAD LOSS (FT)	PHYSICAL: CONNECT SIZE (IN)	NOTES
TF-1	PUROFLUX PF64-020	MECH C228	CENTRIFUGAL	5	480/3/60	65	WATER	16	2	1,2,3

(1) SKID MOUNTED PUMP; BASKET PRE-STRAINER, AND AUTOMATIC BALL VALVE WITH TIMER FOR SOLIDS REMOVAL.
(2) INLET AND OUTLET PRESSURE GAUGES; FULLY ASSEMBLED ON SKID; ALL INTERCONNECTING PIPING AND VALVES; UL LISTED NEMA 4X ENCLOSURE STARTER AND CONTROLS.
(3) UNIT COMPLETE WITH INLET & OUTLET ISOLATION VALVES; AUTOMATIC BALL VALVE; PLC; PREMIUM EFFICIENT MOTOR.

GLYCOL FEED SYSTEM SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: WORKING FLUID	FLUID: TOTAL VOLUME (GAL)	FLUID: STATIC FILL PRESSURE (PSIG)	FLUID: PRESSURE RATING (PSIG)	ELECTRICAL: VOLT/PH/HZ	ELECTRICAL: ALARM PANEL	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	PHYSICAL: NPT FITTING (IN)	PHYSICAL: TANK SIZE (GAL)	NOTES
GFS-1	AXIOM SF100-L	MECH C229	STANDARD	30% P GLY	3090.5	25.7	125	120/1/60	-----	33/33/53	0.5	100	1
GFS-2	AXIOM SF100-L	MECH C228	STANDARD	30% P GLY	1586.4	19.2	125	120/1/60	-----	33/33/53	0.5	100	1

1. PROVIDE WITH PRESSURE SWITCH PER MANUFACTURER'S REQUIREMENTS. CONTROLS CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED POWER TO PRESSURE SWITCH.

HOOD SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	AIR: STATIC PRESSURE (IN. WATER)	PHYSICAL: INLET HEIGHT ABOVE ROOF (IN)	PHYSICAL: TOTAL HEIGHT (IN)	PHYSICAL: THROAT LENGTH / WIDTH (IN)	NOTES
H-1	GREENHECK FGI-72X162	ROOF	GRAVITY	INTAKE	57400	0.118	18	48.5	2.25	1,2

1. HOOD COMPLETE WITH 18" ROOF CURB.
2. HOOD COMPLETE WITH MOTORIZED BACK DRAFT DAMPER.

SPLIT SYSTEM INDOOR UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	USAGE	AIR: AIRFLOW RATE (CFM)	AIR: LOAD (BTU/H)	AIR: SENSIBLE LOAD (BTU/H)	AIR: ENTERING TEMP. DB/WB (°F)	AIR: LEAVING TEMP. DB/WB (°F)	FAN: EXTERNAL STATIC PRESSURE (IN. H2O)	VRF: REFRIGERANT	ELECTRICAL: TOTAL MCA	ELECTRICAL: VOLT/PH/HZ	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
AC-1	DAIKIN FTX18WVJU9	MDF B114	WALL MOUNTED	COOLING	583	18,000	11445	80/67	56/54.2	0	R-410A	9.11	208/1/60	14/42/11	1,2
AC-2	DAIKIN FTX18WVJU9	ELEC B145	WALL MOUNTED	COOLING	583	18,000	11445	80/67	56/54.2	0	R-410A	9.11	208/1/60	14/42/11	1,2
AC-3	DAIKIN FTX18WVJU9	ELEC B217	WALL MOUNTED	COOLING	583	18,000	11445	80/67	56/54.2	0	R-410A	9.11	208/1/60	14/42/11	1,2
AC-4	DAIKIN FTX18WVJU9	ELEC C227	WALL MOUNTED	COOLING	583	18,000	11445	80/67	56/54.2	0	R-410A	9.11	208/1/60	14/42/11	1,2
AC-5	DAIKIN FTX18WVJU9	IDF C232	WALL MOUNTED	COOLING	583	18,000	11445	80/67	56/54.2	0	R-410A	9.11	208/1/60	14/42/11	1,2

1. UNIT COMPLETE WITH INLINE CONDENSATE PUMP, WIRELESS REMOTE, AND DIII-NET/BACNET MS/TP COMMUNICATION ADAPTOR.
2. INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT.

LOUVER SCHEDULE

ID	MANUFACTURER	MODEL	DESCRIPTION
L-1	AIROLITE	K6776	WALL LOUVER , STATIONARY 6 INCH THICK 35 BLADE, 12 GA., EXT. ALUMINUM BLADES, 8 GA, EXT. ALUMINUM JAMBS. CHANNEL FRAME. COLOR BY ARCHITECT.
L-2	SEIHO	SFX-N 10	ALUMINUM ROUND VENT CAP WITH INSECT SCREEN. COLOR BY ARCHITECT.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	REFRIG.	USAGE	AIR: LOAD (BTU/H)	AIR: AMBIENT ENTERING TEMP. DB/WB (°F)	ELECTRICAL: TOTAL MCA	ELECTRICAL: SEER2	ELECTRICAL: HEAT PUMP CIRCUIT VOLT/PH/HZ	PHYSICAL: LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
CU-1	DAIKIN RXL18WMVJU9	ROOF	SWING	R-410A	HEATING	0	0	9.11	8.5	208/1/60	29/34/13	1
					COOLING	18,000	95/75					
CU-2	DAIKIN RXL18WMVJU9	ROOF	SWING	R-410A	HEATING	0	0	9.11	8.5	208/1/60	29/34/13	1
					COOLING	18,000	95/75					
CU-3	DAIKIN RXL18WMVJU9	ROOF	SWING	R-410A	HEATING	0	0	9.11	8.5	208/1/60	29/34/13	1
					COOLING	18,000	95/75					
CU-4	DAIKIN RXL18WMVJU9	ROOF	SWING	R-410A	HEATING	0	0	9.11	8.5	208/1/60	29/34/13	1
					COOLING	18,000	95/75					
CU-5	DAIKIN RXL18WMVJU9	ROOF	SWING	R-410A	HEATING	0	0	9.11	8.5	208/1/60	29/34/13	1
					COOLING	18,000	95/75					

1. UNIT COMPLETE WITH LOW AMBIENT KIT AND HAIL GUARD. DISCONNECT BY DIV. 26.

PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	SERVICE	LOCATION	TYPE	FLUID: FLOW RATE (GPM)	FLUID: WORKING FLUID	PUMP: HEAD LOSS (FT)	PUMP: EFFICIENCY (%)	PUMP: CONSTRUCTION CASING / IMPELLER	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: MOTOR BHP (HP)	ELECTRICAL: MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH/HZ	NOTES
P-1	TACO C1250ID	HEATING	MECH B126	BASE-MOUNTED, END SUCTION	249	30% P GLY	97	77	IRON / BRONZE	10	7.89	3500	460/3/60	1,4
P-2	TACO C1250ID	HEATING	MECH B126	BASE-MOUNTED, END SUCTION	249	30% P GLY	97	77	IRON / BRONZE	10	7.89	3500	460/3/60	1,4
P-3	TACO 4009D	COND	UTILITY TUNNEL C151	VERTICAL CLOSE COUPLED	600	WATER	50	77	IRON / BRONZE	10	9.9	1760	460/3/60	2,3
P-4	TACO 4009D	COND	UTILITY TUNNEL C151	VERTICAL CLOSE COUPLED	600	WATER	50	77	IRON / BRONZE	10	9.9	1760	460/3/60	2,3
P-5	TACO FI3009D-4P-PM	CHILLED	MECH B126	BASE-MOUNTED, END SUCTION	435	30% P GLY	57	81	IRON / BRONZE	10	8.16	1760	460/3/60	4,5
P-6	TACO FI3009D-4P-PM	CHILLED	MECH B126	BASE-MOUNTED, END SUCTION	435	30% P GLY	57	81	IRON / BRONZE	10	8.16	1760	460/3/60	4,5

1. UNIT COMPLETE WITH SUCTION DIFFUSER.
2. VFD BY ELECTRICAL, PROVIDE IN ACCORDANCE WITH DIV 26 SPECIFICATION. VFD TO BE PROTECTED BY NEMA 3R ENCLOSURE.
3. PROVIDE WITH TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR.
4. VFD BY ELECTRICAL, PROVIDE IN ACCORDANCE WITH DIV 26 SPECIFICATION
5. SUCTION DIFFUSER MODEL (SUCTION SIDE): SD0550050, NON-GROOVED

VARIABLE VOLUME REHEAT BOX SCHEDULE

SYMBOL	MANUFACTURER	MODEL	INLET BOX SIZE	BOX PRESS. DROP	CFM: COOLING	CFM: HEATING	CFM: MINIMUM	NC LEVELS @2" S.P.: AIR	NC LEVELS @2" S.P.: RAD.	COIL: LAT DEG. F	COIL: GPM	COIL: AIR P.D.	MIN. SIZE WxH	MIN ROWS	MIN. FINS.	COMMENTS
VAV-1	PRICE	SDV	12	0.27	1400	575	420	28	29	96.8	2.1	0.26	16x15	1	11	(1)(2)(3)(4)(5)
VAV-2	PRICE	SDV	12	0.50	1400	745	420	28	29	96.9	3.2	0.49	16x15	2	8	(1)(2)(3)(4)(5)
VAV-3	PRICE	SDV	12	0.50	1400	590	420	28	29	96.9	2.5	0.49	16x15	2	8	(1)(2)(3)(4)(5)(6)
VAV-4	PRICE	SDV	12	0.27	1400	460	420	28	29	96.8	2.0	0.26	16x15	1	10	(1)(2)(3)(4)(5)
VAV-5	PRICE	SDV	12	0.27	1400	455	420	28	29	96.8	2.0	0.26	16x15	1	10	(1)(2)(3)(4)(5)
VAV-6	PRICE	SDV	12	0.27	1400	495	420	28	29	96.8	2.1	0.26	16x15	1	11	(1)(2)(3)(4)(5)
VAV-7	PRICE	SDV	12	0.27	350	455	420	28	29	96.8	2.0	0.26	16x15	1	10	(1)(2)(3)(4)(5)
VAV-8	PRICE	SDV	6	0.19	290	135	90	20	19	96.6	0.6	0.09	12x8	1	11	(1)(2)(3)(4)(5)
VAV-9	PRICE	SDV	12	0.27	1400	465	420	28	29	96.7	2.0	0.26	16x15	1	10	(1)(2)(3)(4)(5)
VAV-10	PRICE	SDV	12	0.27	1400	465	420	28	29	96.8	2.0	0.26	16x15	1	10	(1)(2)(3)(4)(5)
VAV-11	PRICE	SDV	14	0.22	1800	540	540	29	31	91.2	2.0	0.21	20x17.5	1	8	(1)(2)(3)(4)(5)
VAV-12	PRICE	SDV	5	0.03	100	85	80	17	13	96.1	0.5	0.02	12x8	1	8	(1)(2)(3)(4)(5)
VAV-13	PRICE	SDV	10	0.44	935	560	285	25	24	96.8	2.4	0.43	14x12.5	2	8	(1)(2)(3)(4)(5)
VAV-14	PRICE	SDV	16	0.50	2500	1280	750	29	32	96.9	5.5	0.49	24x18	2	8	(1)(2)(3)(4)(5)(6)
VAV-15	PRICE	SDV	7	0.14	375	190	115	24	21	96.9	0.8	0.09	12x10	1	11	(1)(2)(3)(4)(5)
VAV-16	PRICE	SDV	5	0.04	642	80	80	17	14	89.8	0.5	0.03	12x8	1	8	(1)(2)(3)(4)(5)
VAV-17	PRICE	SDV	5	0.09	180	160	80	18	16	96.4	0.7	0.08	12x8	2	8	(1)(2)(3)(4)(5)
VAV-18	PRICE	SDV	5	0.02	95	85	80	17	13	96.1	0.5	0.01	12x8	1	8	(1)(2)(3)(4)(5)
VAV-19	PRICE	SDV	5	0.05	175	155	80	18	15	96.5	0.7	0.04	12x8	1	11	(1)(2)(3)(4)(5)
VAV-20	PRICE	SDV	7	0.23	380	225	115	24	21	96.7	1.0	0.18	12x10	2	8	(1)(2)(3)(4)(5)
VAV-21	PRICE	SDV	9	0.14	670	305	205	27	22	96.6	1.3	0.13	14x12.5	1	10	(1)(2)(3)(4)(5)
VAV-22	PRICE	SDV	9	0.36	820	490	250	28	24	96.8	2.1	0.35	14x12.5	2	8	(1)(2)(3)(4)(5)
VAV-23	PRICE	SDV	12	0.21	1200	430	360	28	28	96.8	1.9	0.20	16x15	1	10	(1)(2)(3)(4)(5)
VAV-24	PRICE	SDV	9	0.13	640	295	200	27	21	96.8	1.3	0.12	14x12.5	1	10	(1)(2)(3)(4)(5)
VAV-25	PRICE	SDV	14	0.18	1600	625	500	28	30	96.9	2.7	0.17	20x17.5	1	10	(1)(2)(3)(4)(5)
VAV-26	PRICE	SDV	14	0.18	1600	695	500	28	30	96.9	3.0	0.17	20x17.5	1	10	(1)(2)(3)(4)(5)(6)
VAV-27	PRICE	SDV	14	0.18	1600	500	500	28	30	96.9	2.2	0.17	20x17.5	1	9	(1)(2)(3)(4)(5)
VAV-28	PRICE	SDV	14	0.18	1600	500	500	28	30	96.9	2.2	0.17	20x17.5	1	9	(1)(2)(3)(4)(5)
VAV-29	PRICE	SDV	14	0.18	1600	500	500	28	30	96.5	2.1	0.17	20x17.5	1	8	(1)(2)(3)(4)(5)
VAV-30	PRICE	SDV	14	0.24	1885	570	570	29	32	95.0	2.4	0.23	20x17.5	1	9	(1)(2)(3)(4)(5)
VAV-31	PRICE	SDV	14	0.18	1600	500	500	28	30	96.7	2.2	0.17	20x17.5	1	8	(1)(2)(3)(4)(5)
VAV-32	PRICE	SDV	14	0.22	1800	540	540	29	31	95.2	2.2	0.21	20x17.5	1	8	(1)(2)(3)(4)(5)
VAV-33	PRICE	SDV	9	0.13	640	295	200	27	21	96.8	1.3	0.12	14x12.5	1	10	(1)(2)(3)(4)(5)
VAV-34	PRICE	SDV	7	0.23	50	39	39	24	21	96.7	1.0	0.18	12x10	2	8	(1)(2)(3)(4)(5)
VAV-35	PRICE	SDV	14	0.22	1800	840	540	29	31	96.9	3.6	0.21	20x17.5	1	11	(1)(2)(3)(4)(5)(6)
VAV-36	PRICE	SDV	14	0.22	1800	840	540	29	31	96.9	3.6	0.21	20x17.5	1	11	(1)(2)(3)(4)(5)(6)
VAV-37	PRICE	SDV	12	0.37	1150	685	350	28	27	96.9	3.0	0.36	16x15	2	8	(1)(2)(3)(4)(5)
VAV-38	PRICE	SDV	5	0.04	145	80	80	17	14	84.3	0.5	0.03	12x8	1	8	(1)(2)(3)(4)(5)
VAV-39	PRICE	SDV	8	0.30	500	260	160	21	21	97.0	1.1	0.29	12x10	2	8	(1)(2)(3)(4)(5)
VAV-40	PRICE	SDV	14	0.18	1600	710	500	28	30	96.9	3.1	0.17	20x17.5	1	10	(1)(2)(3)(4)(5)
VAV-41	PRICE	SDV	14	0.18	1600	740	500	28	30	96.9	3.2	0.17	20x17.5	1	11	(1)(2)(3)(4)(5)
VAV-42	PRICE	SDV	14	0.20	1700	600	510	29	31	96.8	2.6	0.19	20x17.5	1	9	(1)(2)(3)(4)(5)
VAV-43	PRICE	SDV	14	0.20	1700	580	510	29	31	97.0	2.5	0.19	20x17.5	1	9	(1)(2)(3)(4)(5)
VAV-44	PRICE	SDV	14	0.43	1845	1100	555	29	32	96.9	4.7	0.42	20x17.5	2	8	(1)(2)(3)(4)(5)(6)
VAV-45	PRICE	SDV	12	0.35	1115	665	350	27	27	96.8	2.9	0.34	16x15	2	8	(1)(2)(3)(4)(5)(6)
VAV-46	PRICE	SDV	5	0.03	100	80	80	17	13	80.0	0.5	0.02	12x8	1	8	(1)(2)(3)(4)(5)
VAV-47	PRICE	SDV	6	0.19	300	80	80	20	19	80.0	0.5	0.09	12x8	1	8	(1)(2)(3)(4)(5)
VAV-48	PRICE	SDV	12	0.39	100	935	360	28	28	96.9	4.0	0.38	16x15	2	8	(1)(2)(3)(4)(5)
VAV-49	PRICE	SDV	12	0.27	1400	575	420	28	29	96.8	2.1	0.26	16x15	1	11	(1)(2)(3)(4)(5)
VAV-50	PRICE	SDV	6	0.19	290	145	90	20	19	96.6	0.6	0.09	12x8	1	11	(1)(2)(3)(4)(5)
VAV-51	PRICE	SDV	9	0.36	820	510	250	28	24	96.8	0.8	0.35	14x12.5	2	8	(1)(2)(3)(4)(5)
VAV-52	PRICE	SDV	9	0.12	604	295	200	26	21	96.8	1.3	0.11	14x12.5	1	10	(1)(2)(3)(4)(5)
VAV-53	PRICE	SDV	5	0.04	145	80	80	17	14	84.3	0.5	0.03	12x8	1	8	(1)(2)(3)(4)(5)

(1) ENTERING AIR AT 52 DEG F @ 4500 FT. ELEVATION.
(2) GPM BASED ON 160 DEG F ENTERING WATER TEMPERATURE, 140 DEG F LEAVING WATER TEMPERATURE
(3) COIL MAXIMUM WATER P.D. AT 3.0 FT. ' MAX. AIR P.D. AT 0.10".
(4) MAXIMUM N.C. LEVEL AT 2.0" S.P. - AIR 36, RAD., 30 UNLESS OTHERWISE NOTED.
(5) NC LEVELS ARE BASED ON 5 FT. LINED DUCT, 10DB ROOM ATTENUATION AND AN AVERAGE LAY-IN CEILING WITH STC 34-40 RATING.
(6) 3-WAY REHEAT COIL VALVE.

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a r c h i t e c t s

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ISSUE DATE: 03/25/2025
NWL PROJECT: 0118.002



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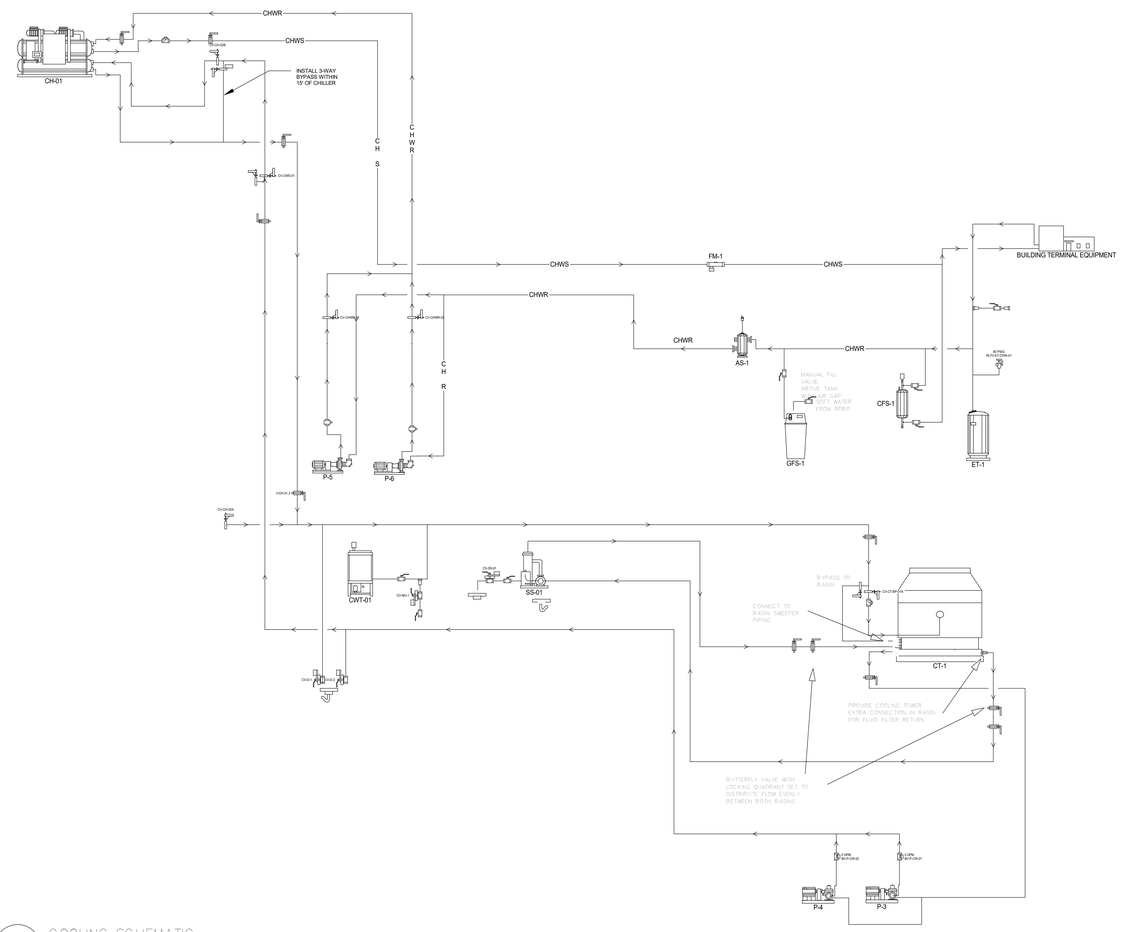
MECHANICAL SCHEDULES

M602



1 M701 HEATING SCHEMATIC
NO SCALE



2 M701 COOLING SCHEMATIC
NO SCALE

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No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

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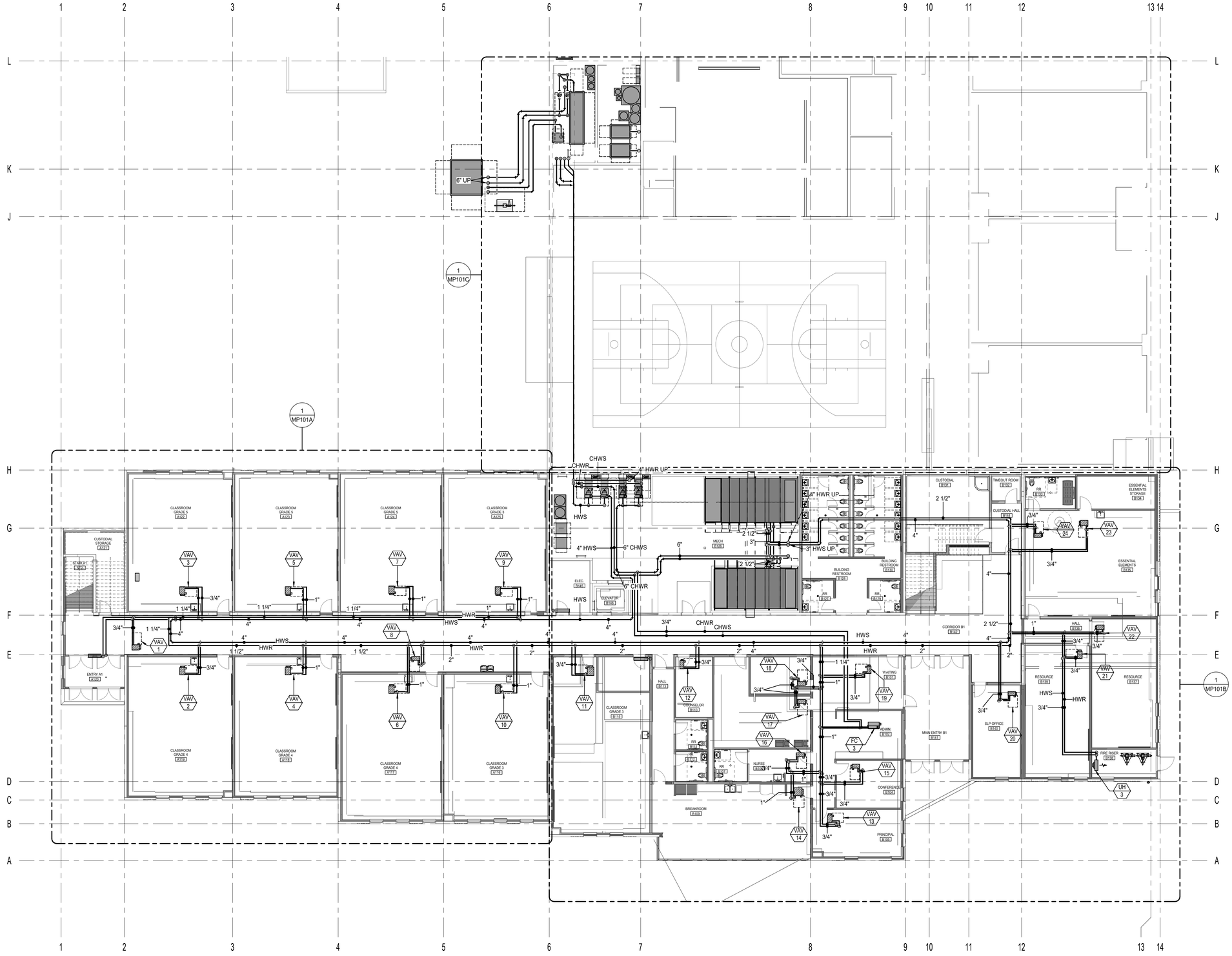
MECHANICAL SCHEMATICS

M701

KEYED NOTES

1. -



1 MP101 LEVEL 01 MECHANICAL PIPING REFERENCE PLAN
1" = 10'-0"

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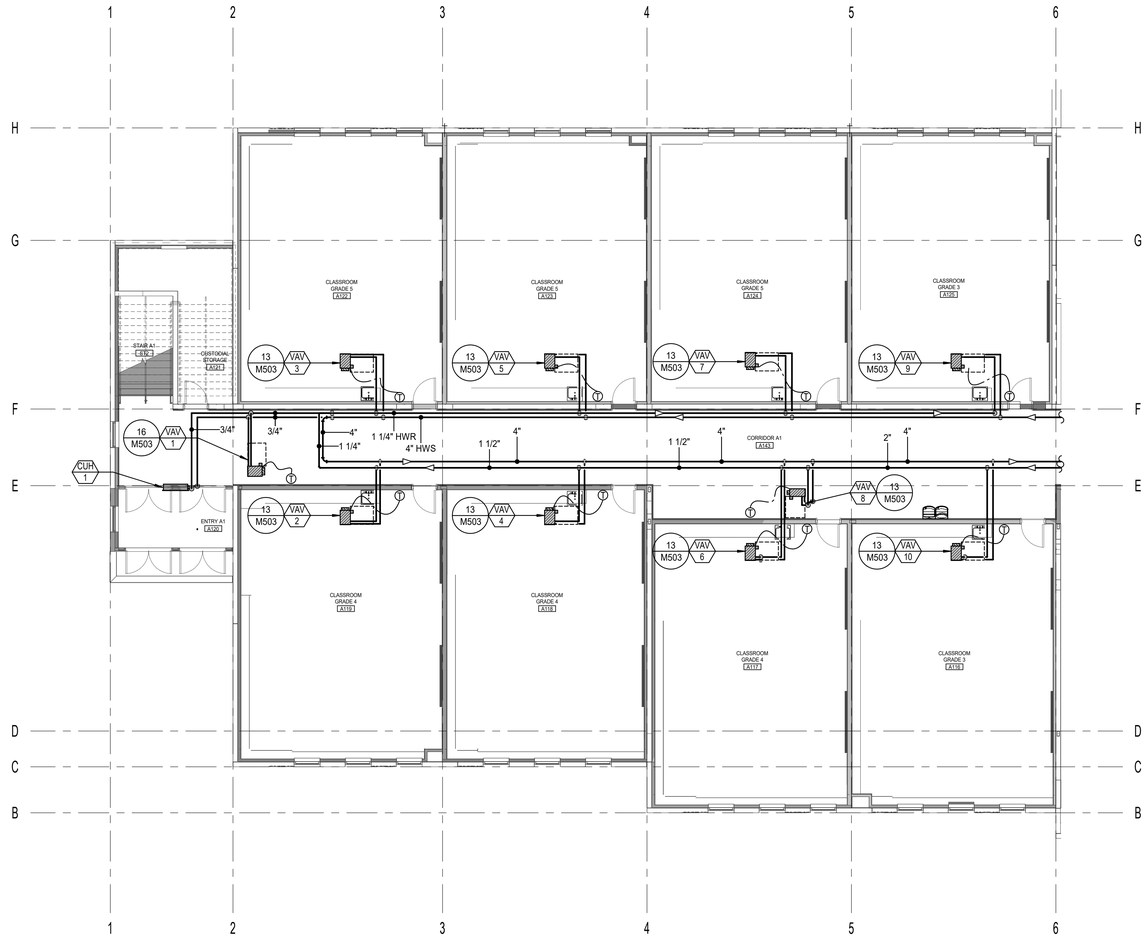
MAIN LEVEL MECHANICAL PIPING REFERENCE PLAN

MP101

KEYED NOTES

-



1 MP101A LEVEL 01 AREA 'A' MECHANICAL PIPING PLAN
1/8" = 1'-0"

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STATE OF UTAH

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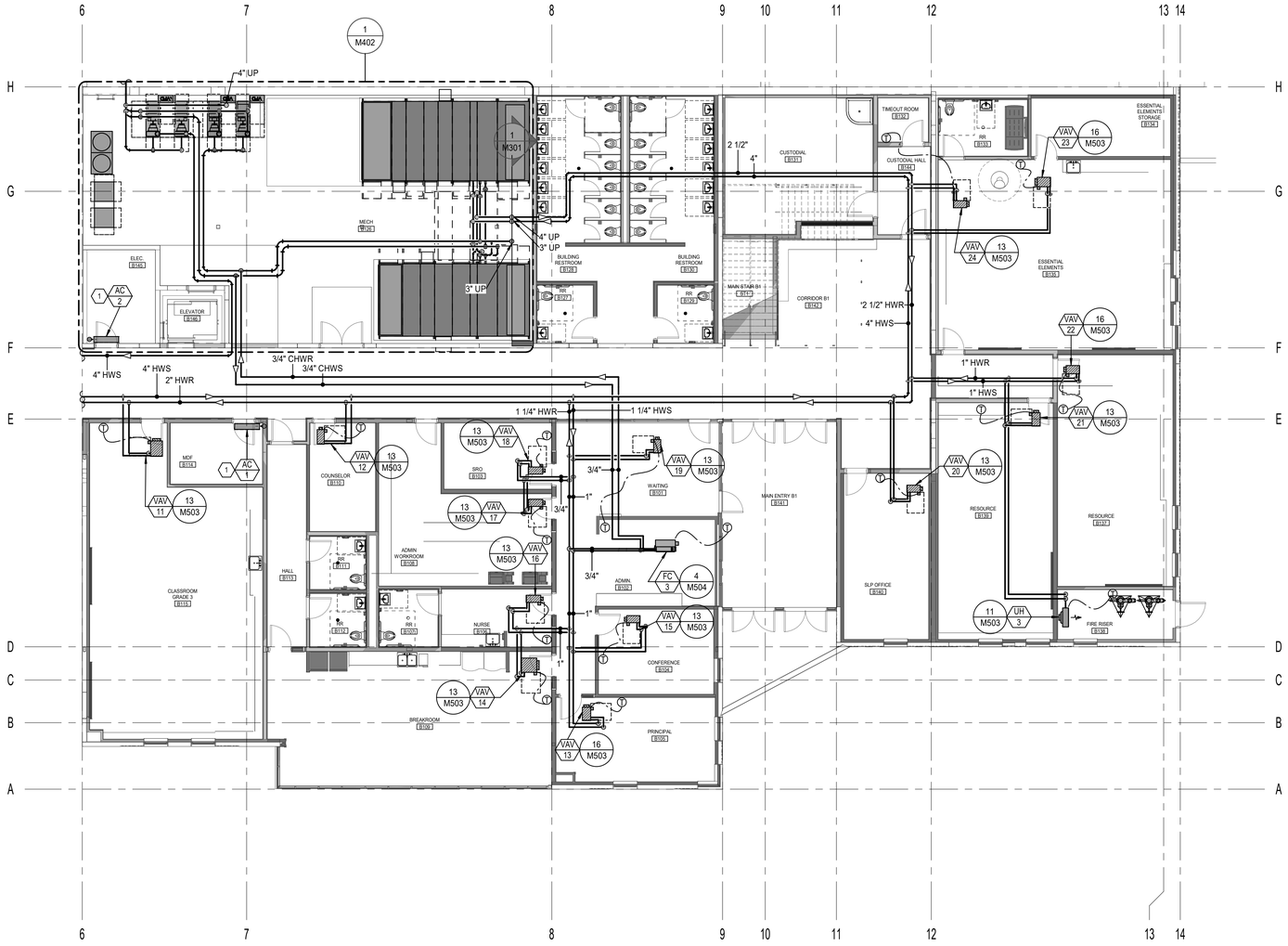
MAIN LEVEL MECHANICAL PIPING PLAN - AREA 'A'

MP101A

KEYED NOTES

1. SPLIT SYSTEM INSTALLATION SEE DETAIL 7/M506.



1 MP101B LEVEL 01 AREA 'B' MECHANICAL PIPING PLAN
1/8" = 1'-0"

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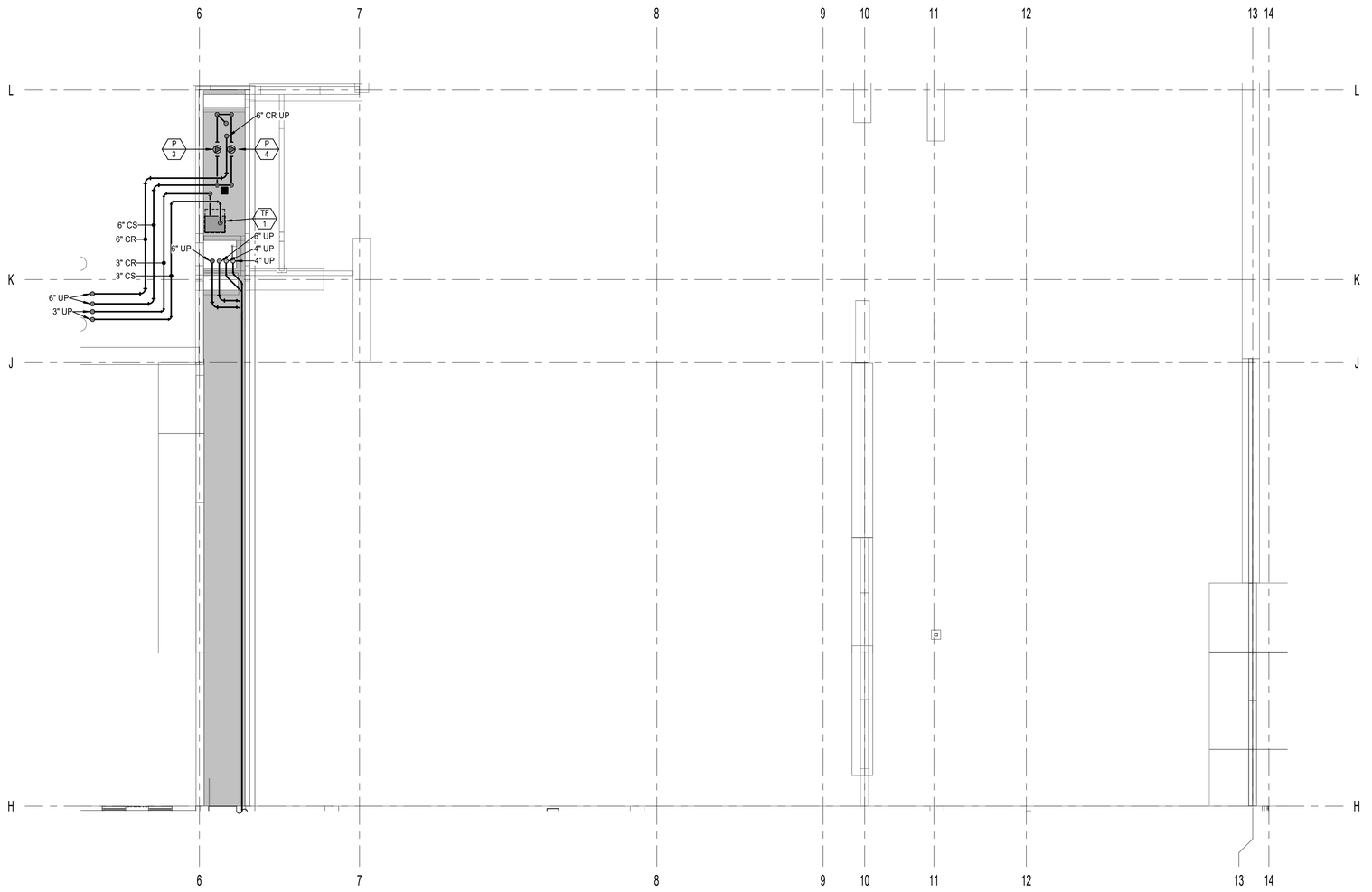
MAIN LEVEL
MECHANICAL PIPING
PLAN - AREA 'B'

MP101B

KEYED NOTES

1. -



1 MP101C LEVEL 01 AREA 'C' MECHANICAL PIPING PLAN
1/8" = 1'-0"

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JEDEDIAH L. JENKINS
STATE OF UTAH

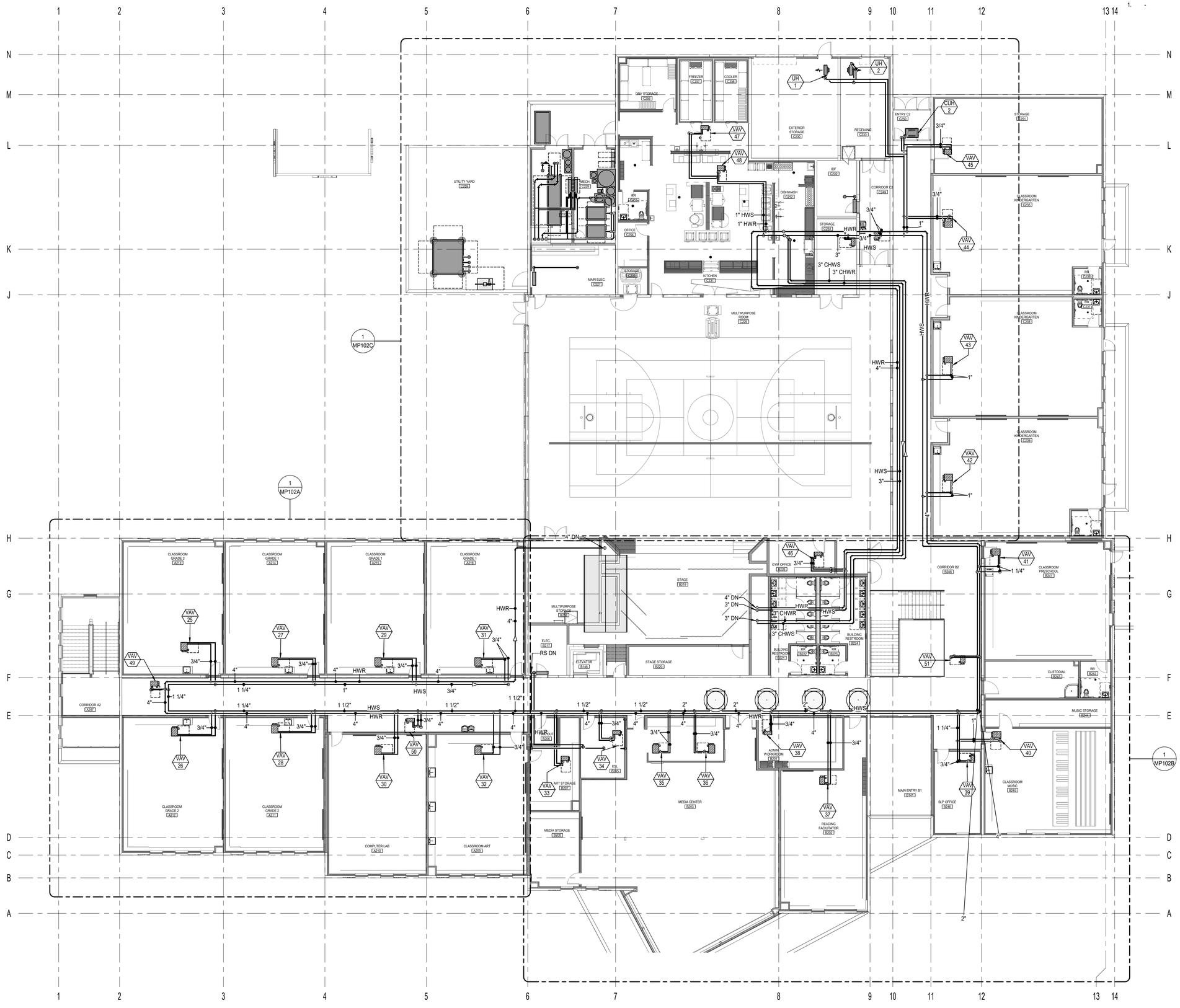
DATE	REVISION

MAIN LEVEL MECHANICAL PIPING PLAN - AREA 'C'

MP101C

KEYED NOTES

1. -



1 MP102 — LEVEL 02 MECHANICAL PIPING REFERENCE PLAN
1" = 10'-0"

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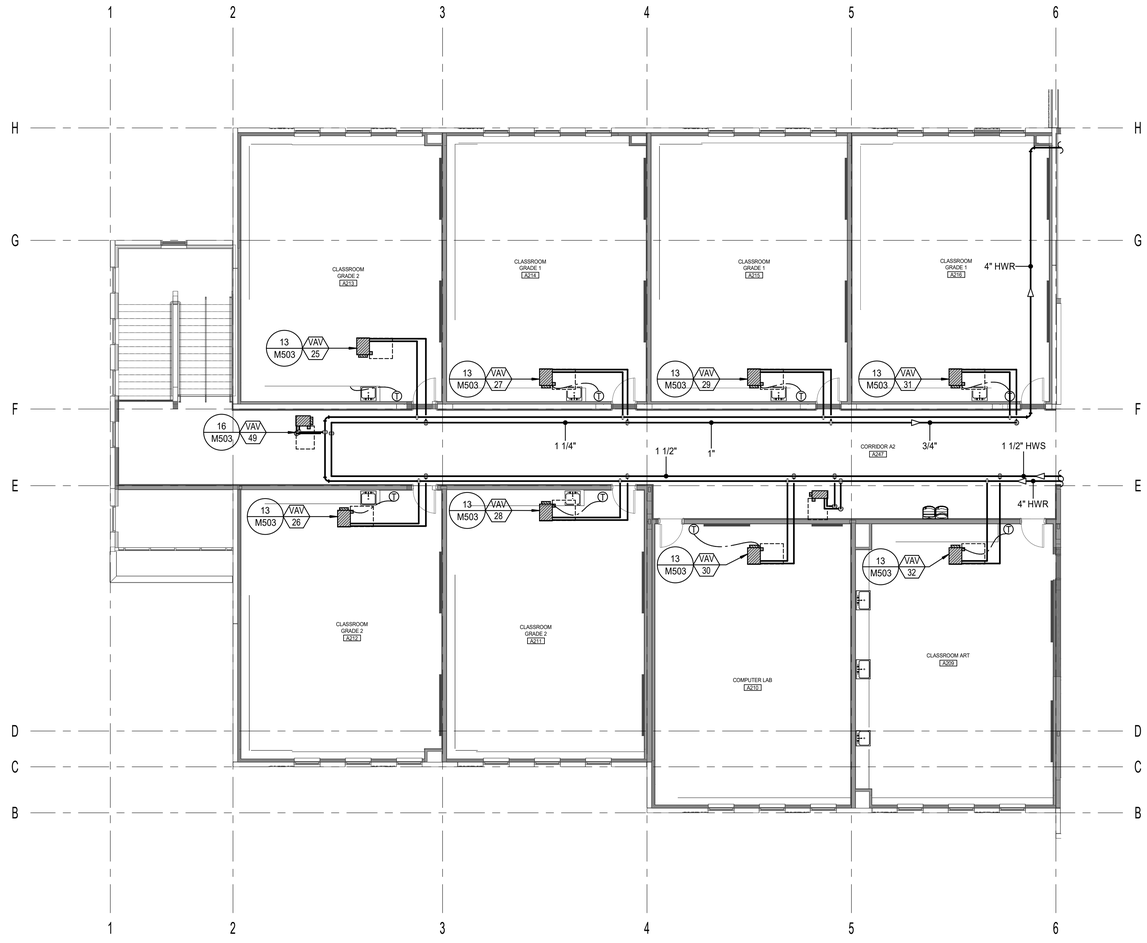
SECOND LEVEL MECHANICAL PIPING REFERENCE PLAN

MP102

KEYED NOTES

1. -



1 MP102A LEVEL 02 AREA 'A' MECHANICAL PIPING PLAN
1/8" = 1'-0"

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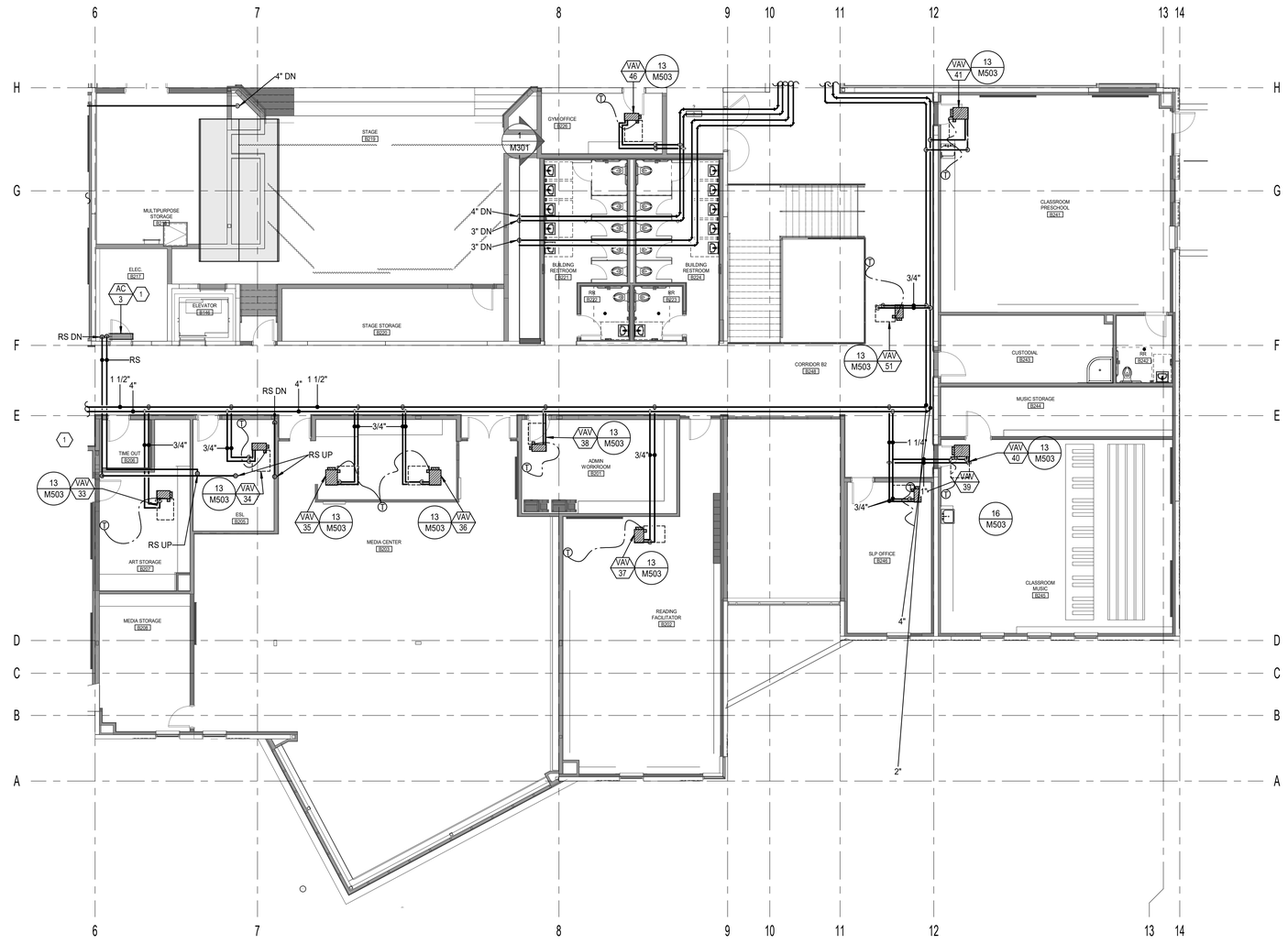
SECOND LEVEL MECHANICAL PIPING PLAN - AREA 'A'

MP102A

KEYED NOTES

1. SPLIT SYSTEM INSTALLATION SEE DETAIL 7/M506.



1 LEVEL 02 AREA 'B' MECHANICAL PIPING PLAN
MP102B 1/8" = 1'-0"

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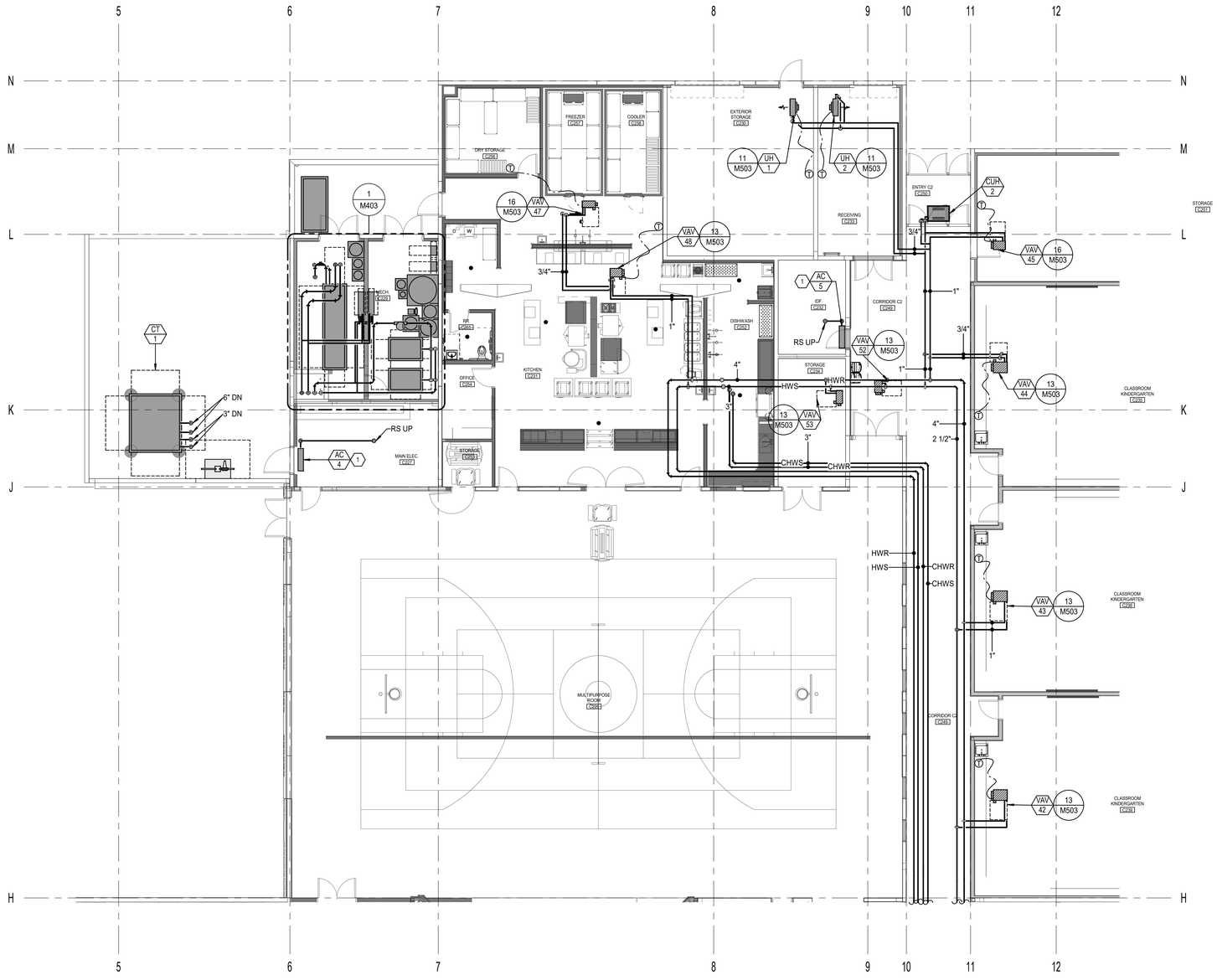
SECOND LEVEL MECHANICAL PIPING PLAN - AREA 'B'

MP102B

KEYED NOTES

1. SPLIT SYSTEM INSTALLATION SEE DETAIL 7/M506.



MP102 LEVEL 02 AREA 'C' MECHANICAL PIPING PLAN
1/8" = 1'-0"

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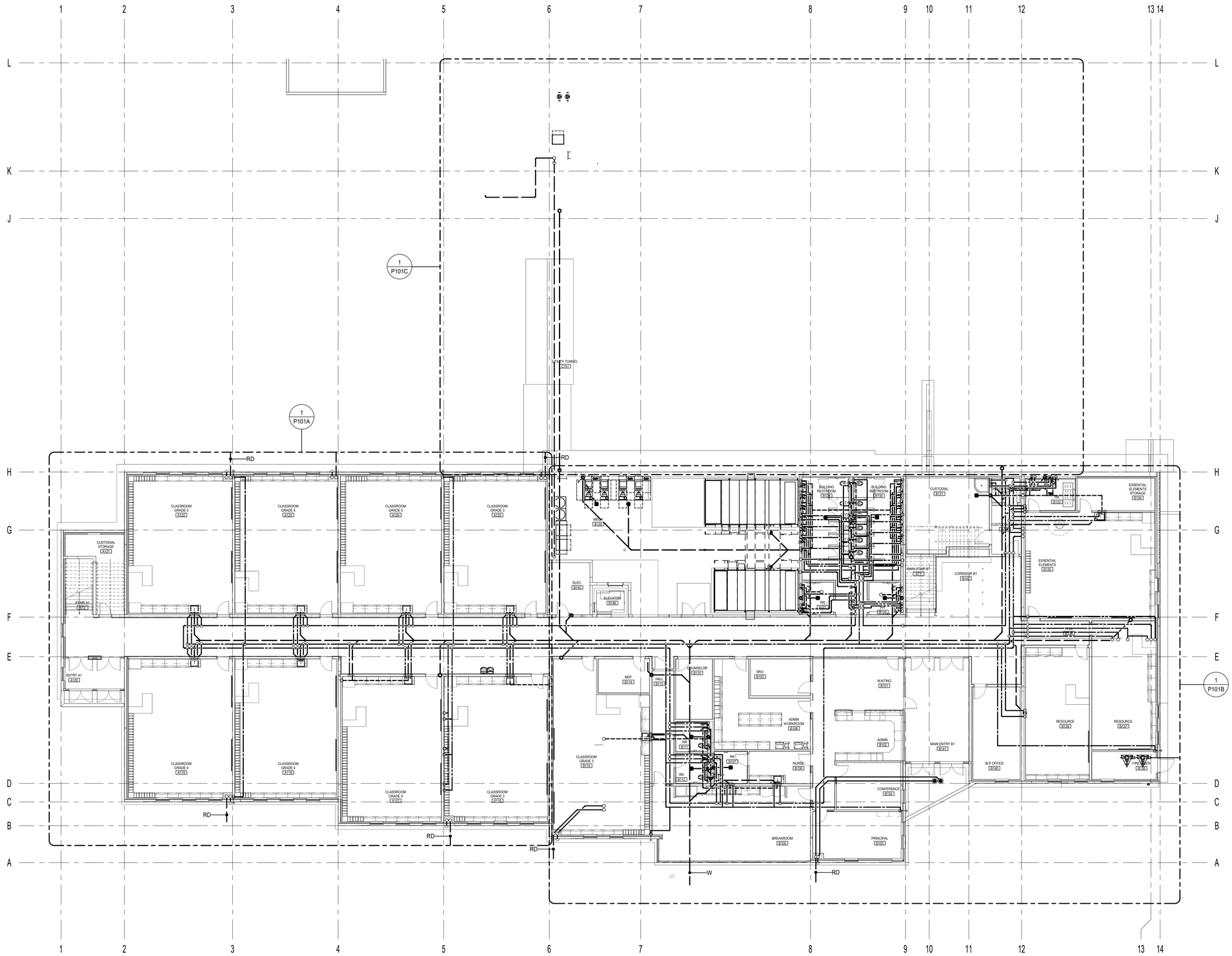
SECOND LEVEL MECHANICAL PIPING PLAN - AREA 'C'

MP102C

KEYED NOTES

1. -



1 P101 **LEVEL 01 PLUMBING REFERENCE PLAN**
1" = 10'-0"

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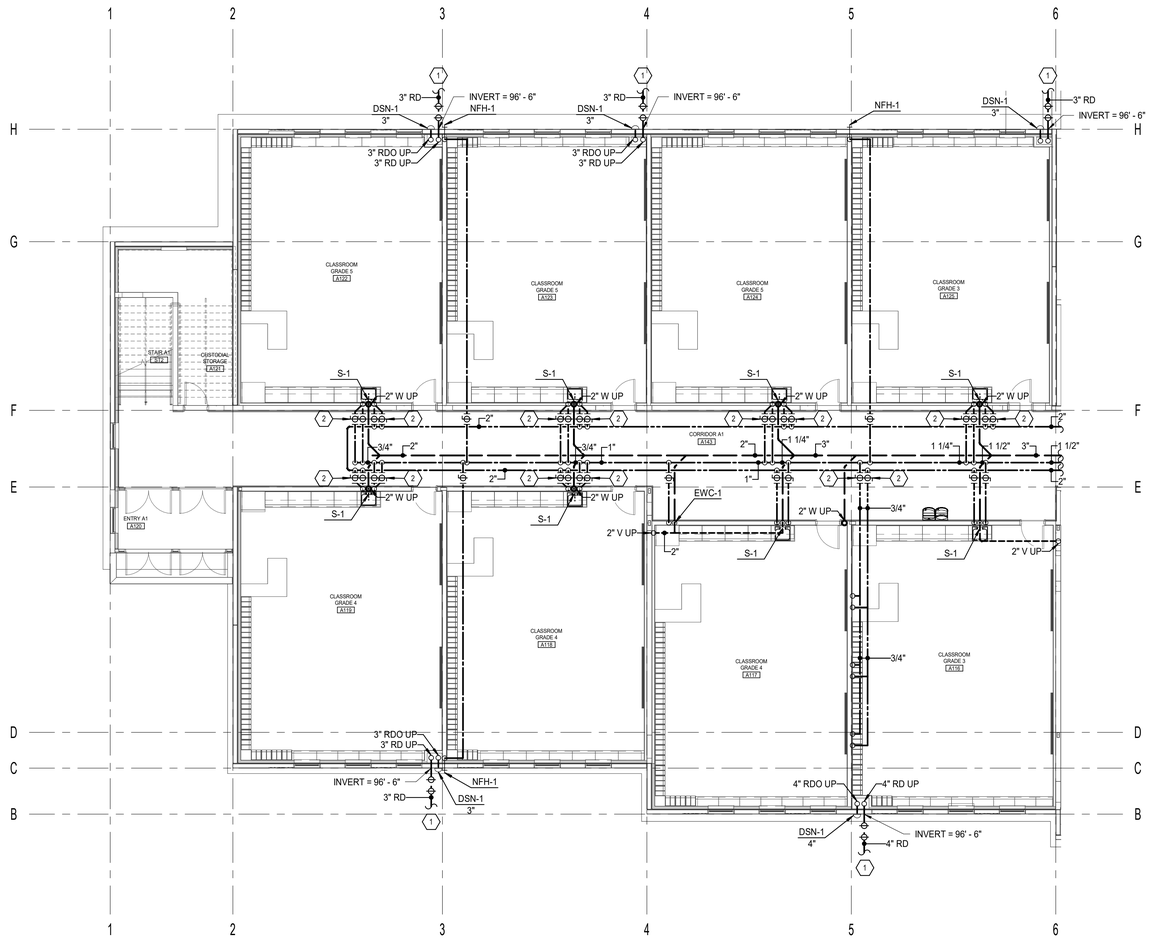
MAIN LEVEL PLUMBING REFERENCE PLAN

P101

KEYED NOTES

1. SEE CIVIL PLANS FOR CONTINUATION.
2. DOMESTIC WATER SERVES FIXTURE ABOVE. TAG VALVE WITH ROOM NUMBER SERVED.



1 P101A LEVEL 01 AREA 'A' PLUMBING PLAN
1/8" = 1'-0"

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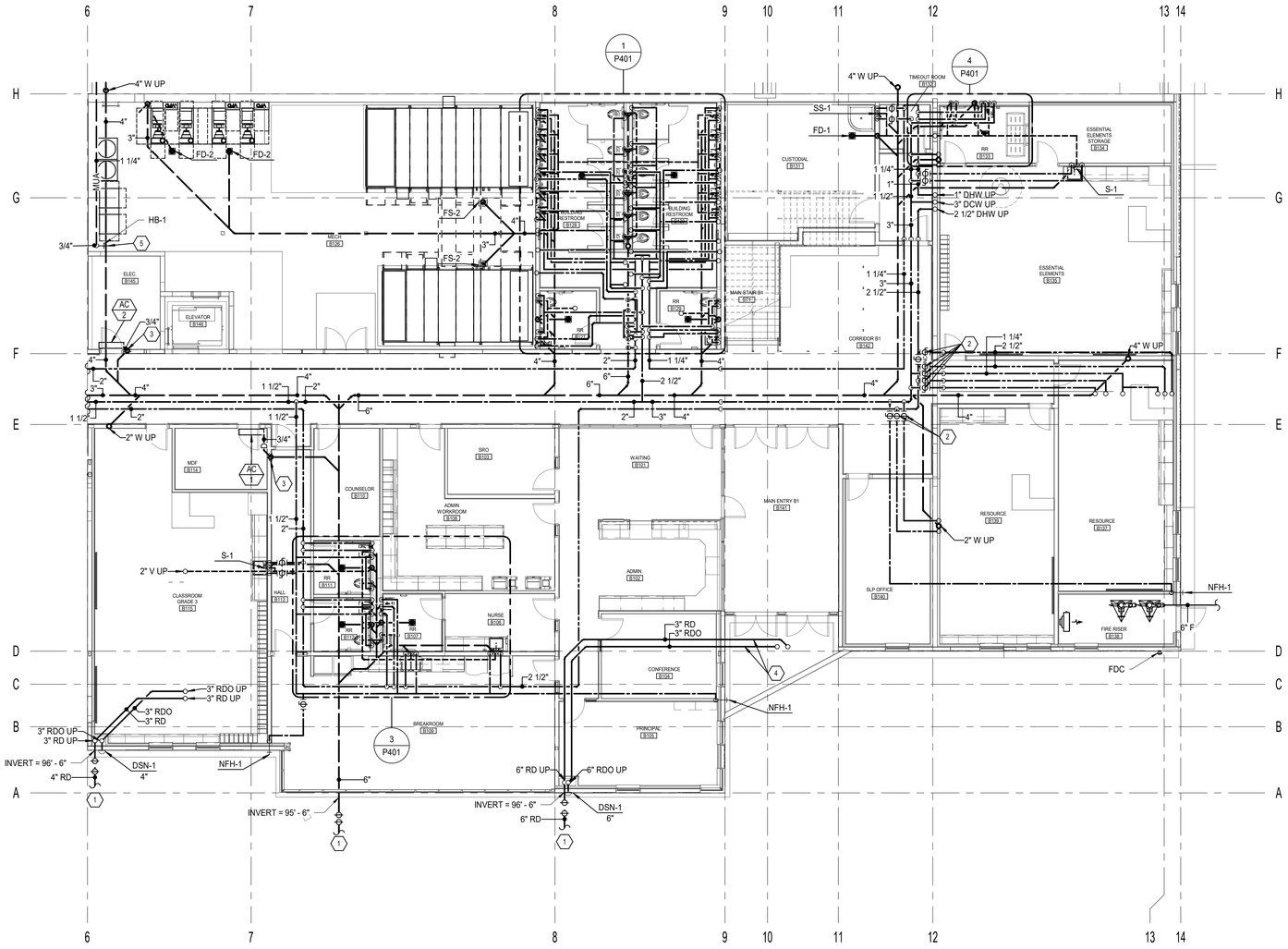
MAIN LEVEL PLUMBING PLAN - AREA 'A'

P101A

KEYED NOTES

1. SEE CIVIL PLANS FOR CONTINUATION.
2. DOMESTIC WATER SERVES FIXTURE ABOVE. TAG VALVE WITH ROOM NUMBER SERVED.
3. CONDENSATE DRAIN WALL BOX. SLOPE CONDENSATE DRAIN PIPING FROM EQUIPMENT TO WALL BOX. SEE DETAIL 4/P502.
4. HEAT TRACE RD AND RDO PIPING IN CANOPY. 5 WATTS PER LINEAL FOOT. APPROXIMATELY 80 WATTS.
5. LABLE HOSE CONNECTION AS NON-POTABLE.



1 P101B LEVEL 01 AREA 'B' PLUMBING PLAN
1/8" = 1'-0"

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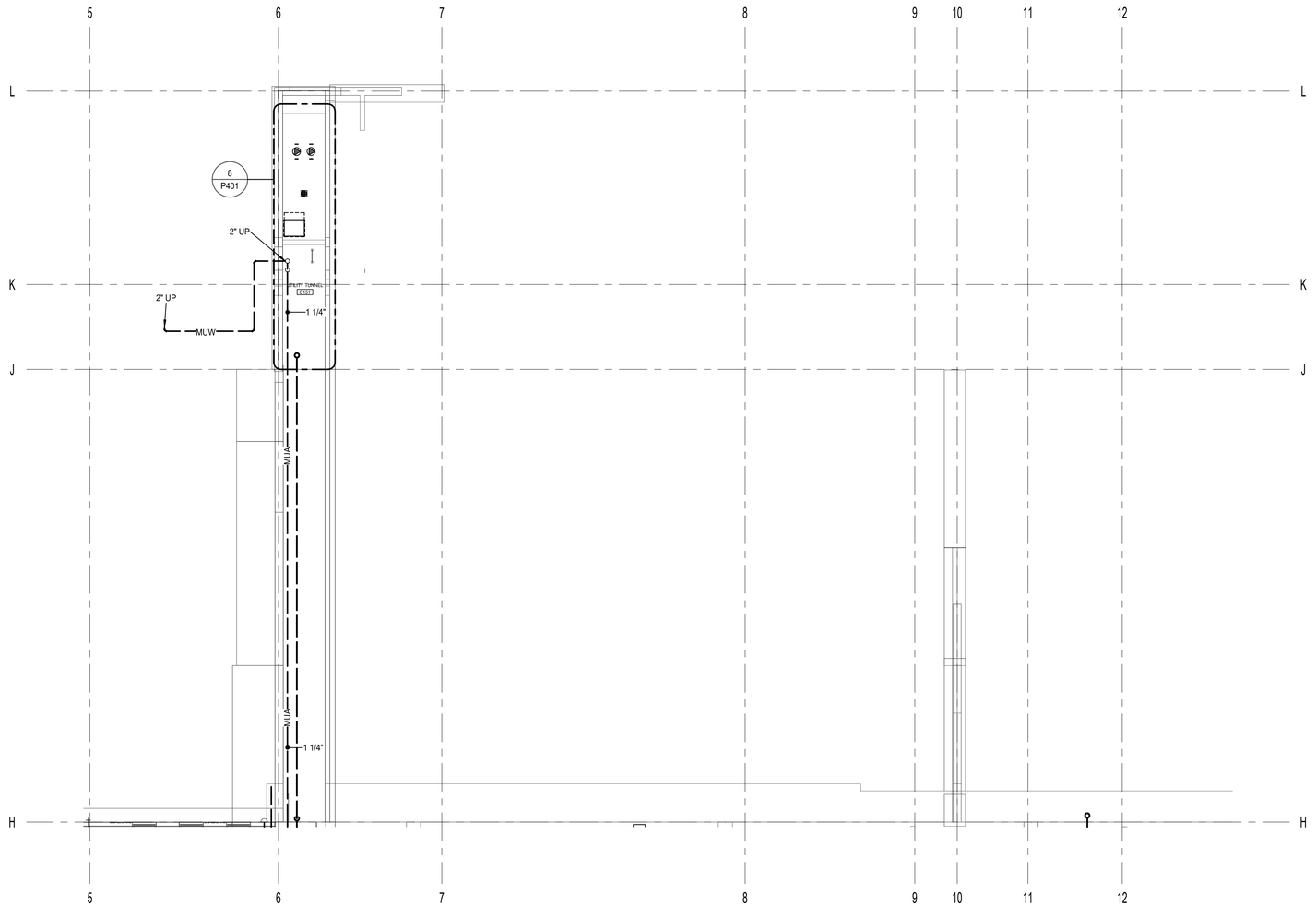
MAIN LEVEL PLUMBING PLAN - AREA 'B'

P101B

KEYED NOTES

1. -



1 P101C LEVEL 01 AREA 'C' PLUMBING PLAN
1/8" = 1'-0"

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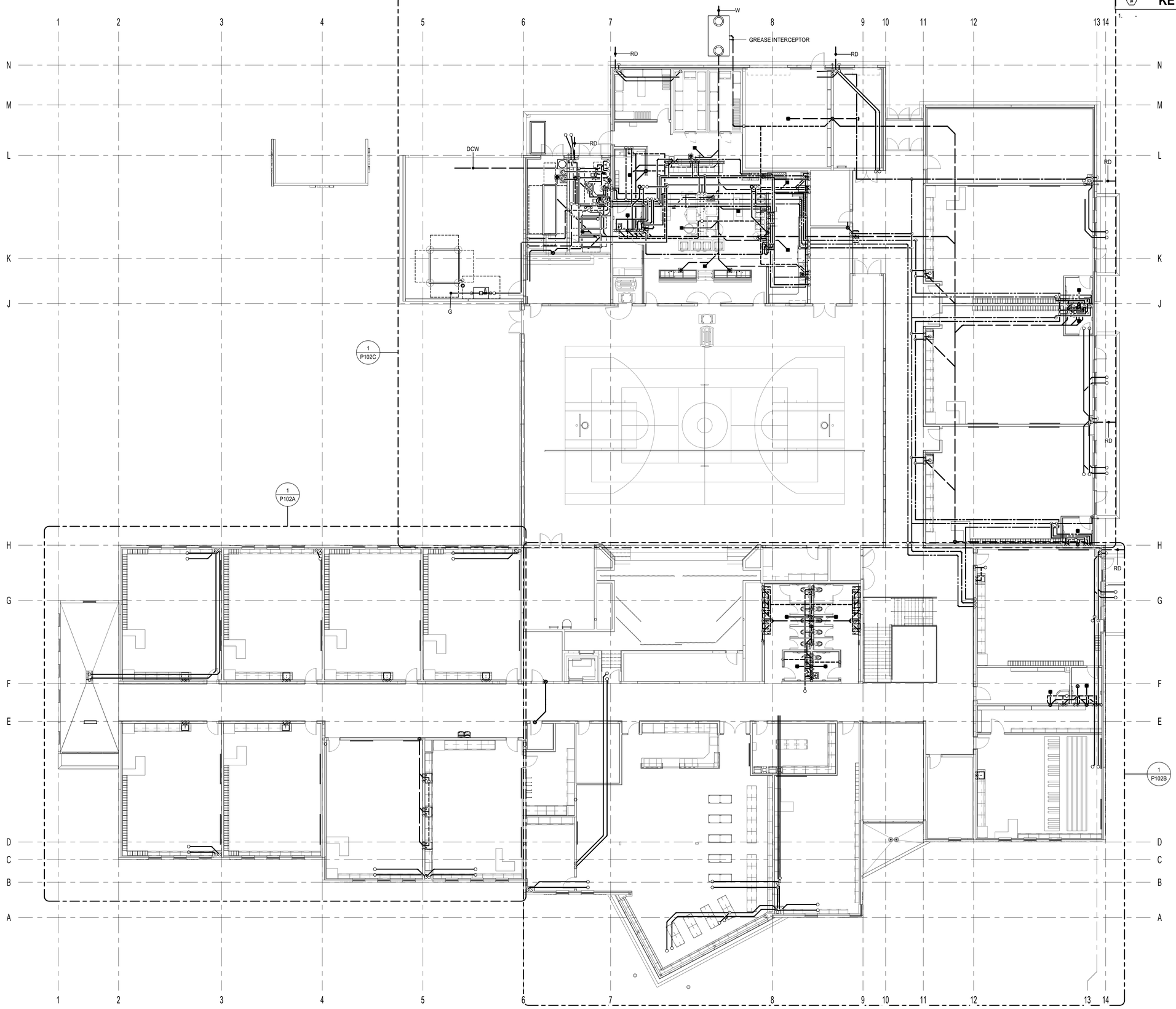
MAIN LEVEL PLUMBING PLAN - AREA 'C'

P101C

KEYED NOTES



1 P102 LEVEL 02 PLUMBING REFERENCE PLAN
1" = 10'-0"

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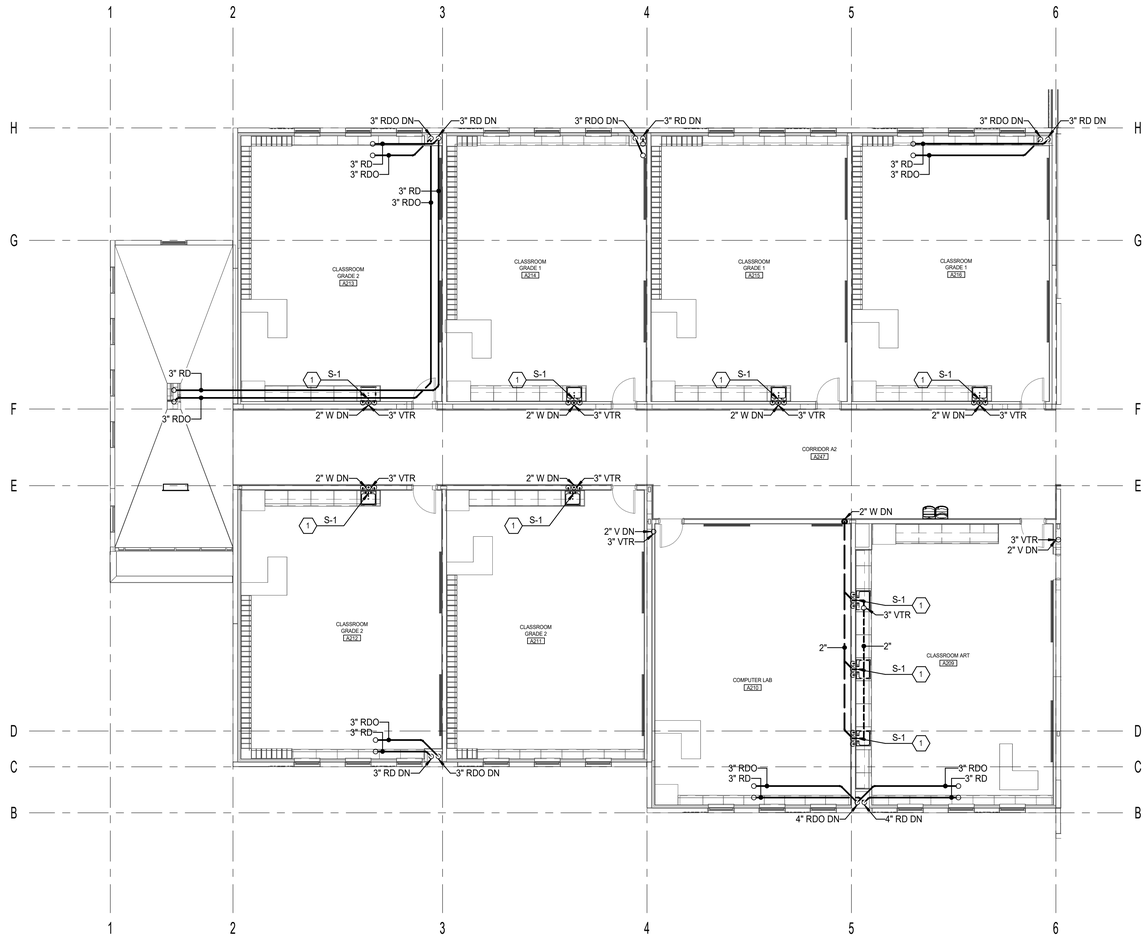
SECOND LEVEL PLUMBING REFERENCE PLAN

P102

KEYED NOTES

1. FIXTURE SERVED WITH DHW AND DCW FROM BELOW.



P102A LEVEL 02 AREA 'A' PLUMBING PLAN
1/8" = 1'-0"

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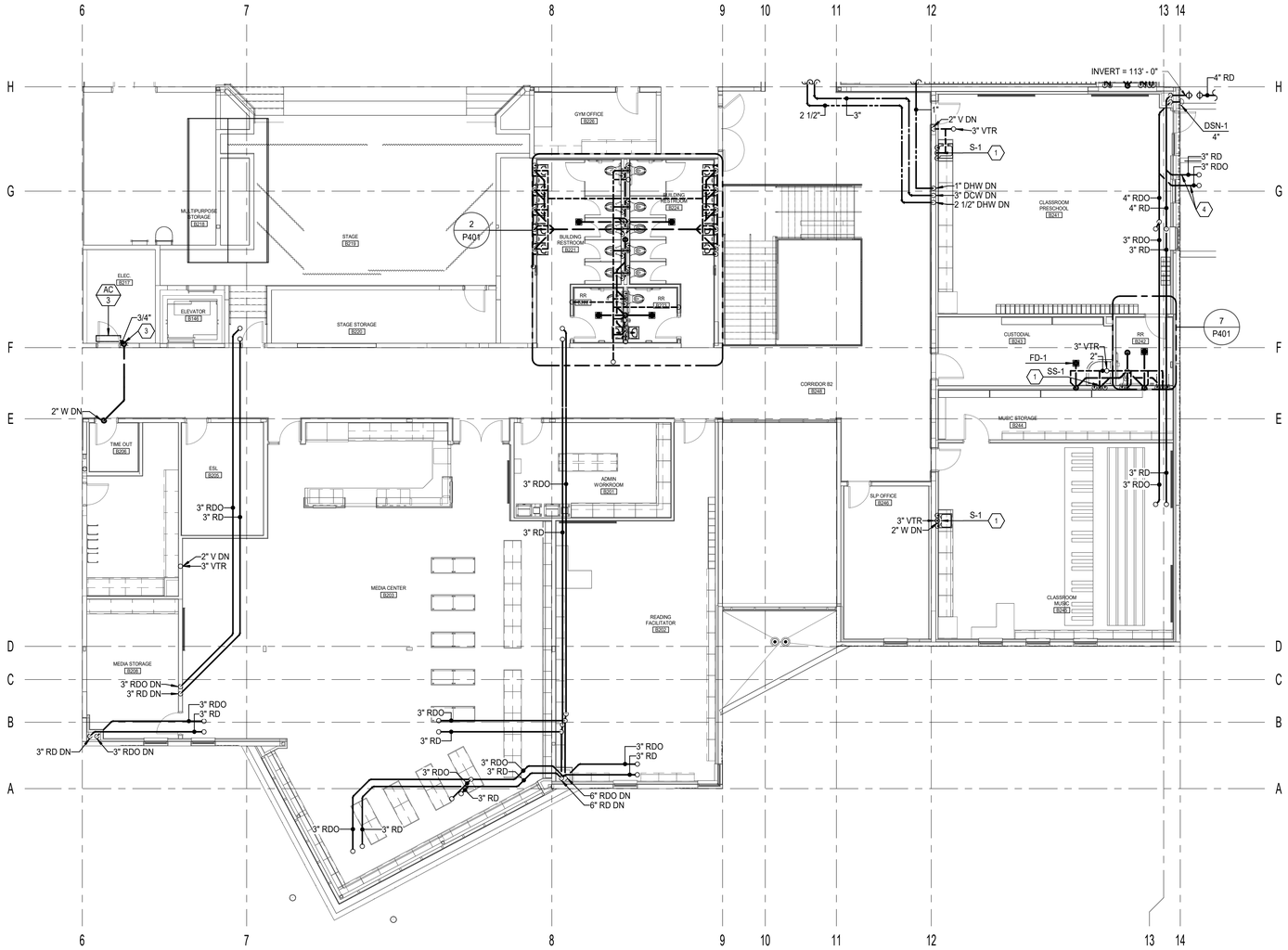
SECOND LEVEL PLUMBING PLAN - AREA 'A'

P102A

KEYED NOTES

1. FIXTURE SERVED WITH DHW AND DCW FROM BELOW.
2. SEE CIVIL PLANS FOR CONTINUATION.
3. CONDENSATE DRAIN WALL BOX. SLOPE CONDENSATE DRAIN PIPING FROM EQUIPMENT TO WALL BOX. SEE DETAIL 4/P502.
4. HEAT TRACE RD AND RDO PIPING IN CANOPY. 5 WATTS PER LINEAL FOOT. APPROXIMATELY 35 WATTS.



1 P102B LEVEL 02 AREA 'B' PLUMBING PLAN
1/8" = 1'-0"

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STATE OF UTAH

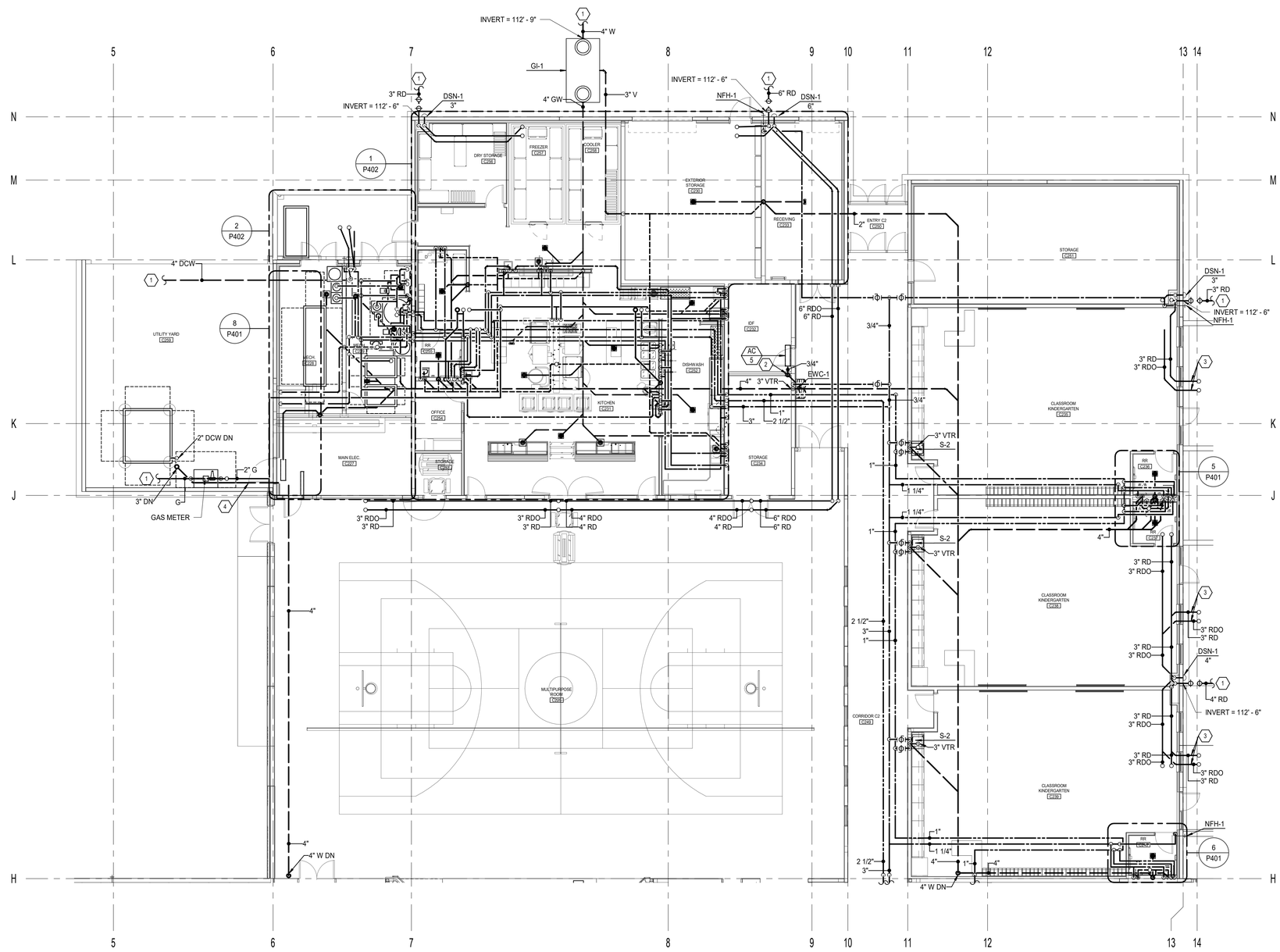
DATE REVISION

SECOND LEVEL PLUMBING PLAN - AREA 'B'

P102B

KEYED NOTES

1. SEE CIVIL PLANS FOR CONTINUATION.
2. CONDENSATE DRAIN WALL BOX. SLOPE CONDENSATE DRAIN PIPING FROM EQUIPMENT TO WALL BOX. SEE DETAIL 4/P502.
3. HEAT TRACE RD AND RDO PIPING IN CANOPY. 5 WATTS PER LINEAL FOOT. APPROXIMATELY 35 WATTS.
4. 3" COOLING TOWER DRAIN BELOW GRADE. DISCHARGE INTO CATCH BASIN IN TUNNEL.



1 LEVEL 02 AREA 'C' PLUMBING PLAN
P105 1/8" = 1'-0"

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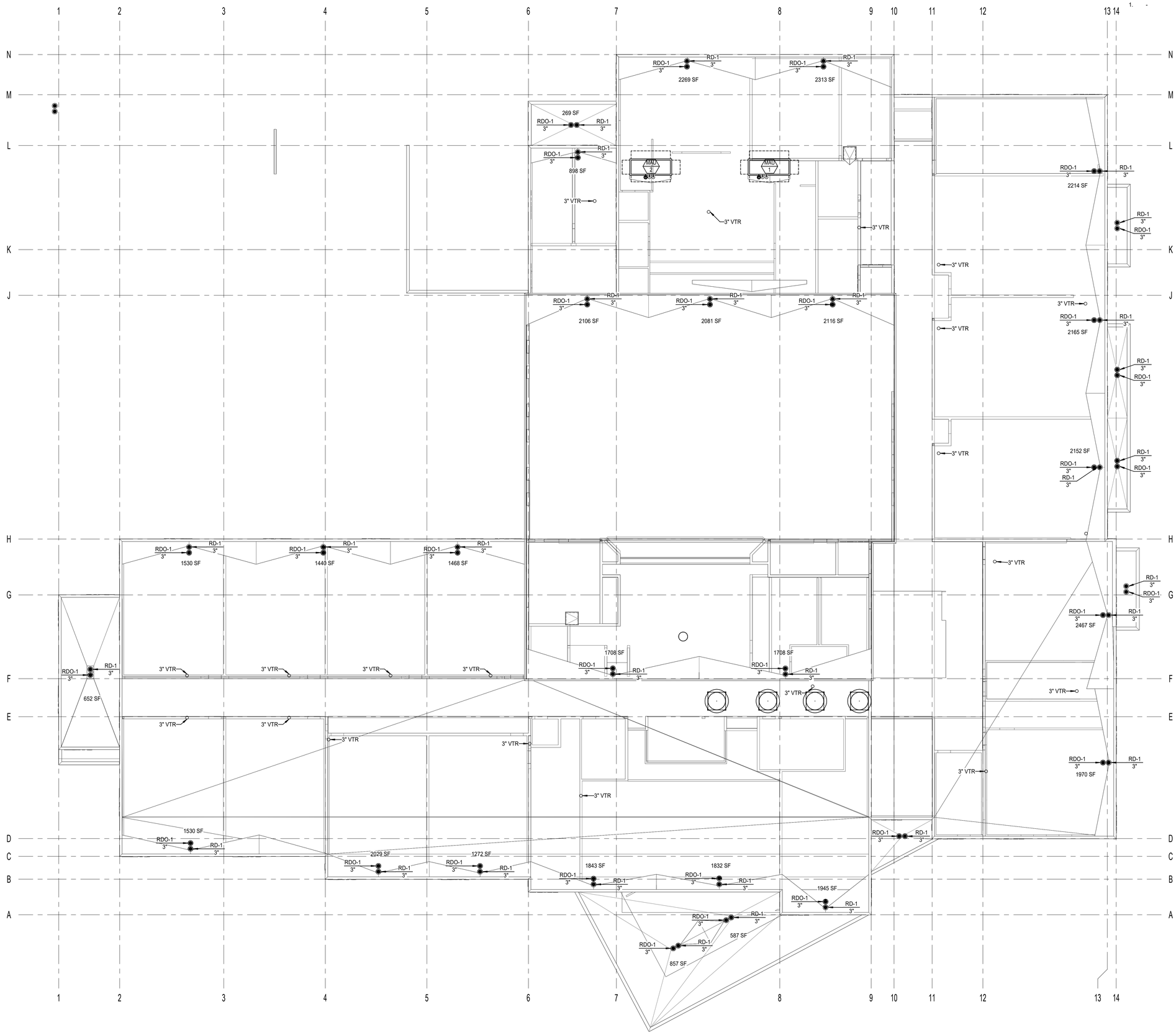
SECOND LEVEL PLUMBING PLAN - AREA 'C'

P102C

KEYED NOTES

1. -



1 ROOF PLUMBING PLAN
P103 1" = 10'-0"

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HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
WWL PROJECT	0119.002

LICENSED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

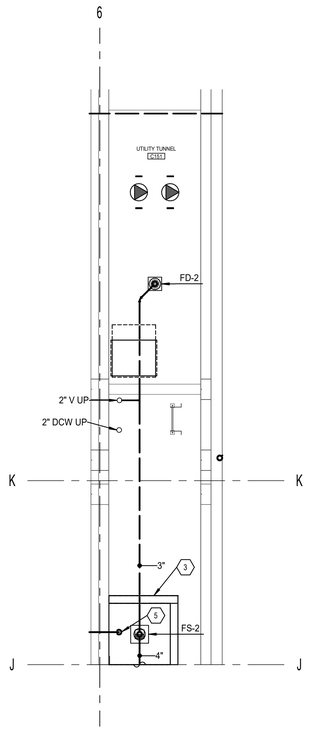
DATE	REVISION

ROOF LEVEL PLUMBING PLAN

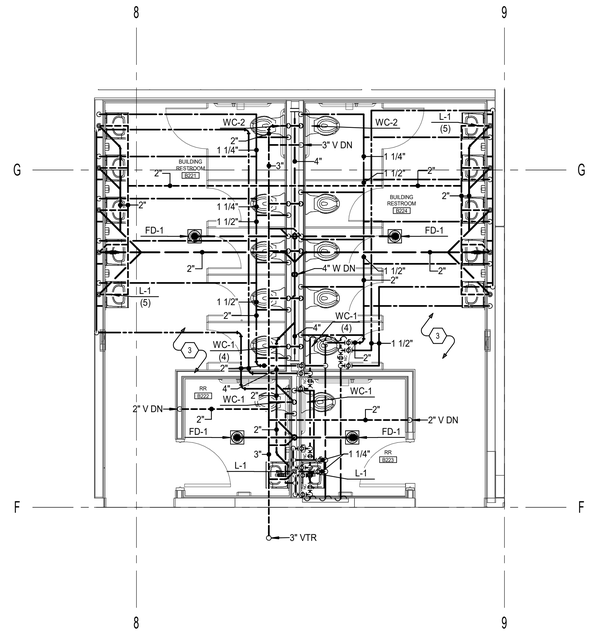
P103

KEYED NOTES

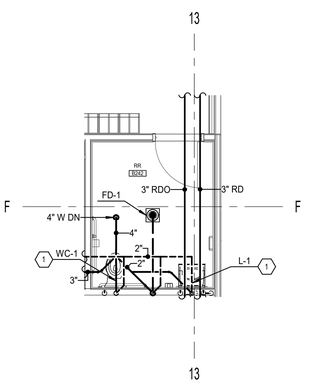
1. FIXTURE SERVED WITH DHW AND DCW FROM BELOW.
2. DOMESTIC WATER SERVES FIXTURE ABOVE. TAG VALVE WITH ROOM NUMBER SERVED.
3. DHW AND DCW MAINS AND BRANCH PIPING SHOWN IN VIEW EXIST IN THE LEVEL 1 CEILING SPACE. SEE PLAN BELOW FOR CONTINUATION.
4. DHW AND DCW UP TO SERVE FIXTURES ABOVE. SEE PLAN ABOVE FOR CONTINUATION.
5. DISCHARGE COOLING TOWER DRAIN INTO CATCH BASIN.



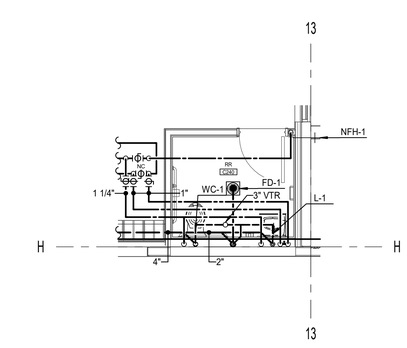
6 P401 TUNNEL PLUMBING PLAN
1/4" = 1'-0"



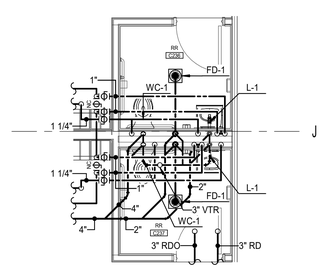
7 P401 BUILDING RESTROOM B221/B224 PLUMBING PLAN
1/4" = 1'-0"



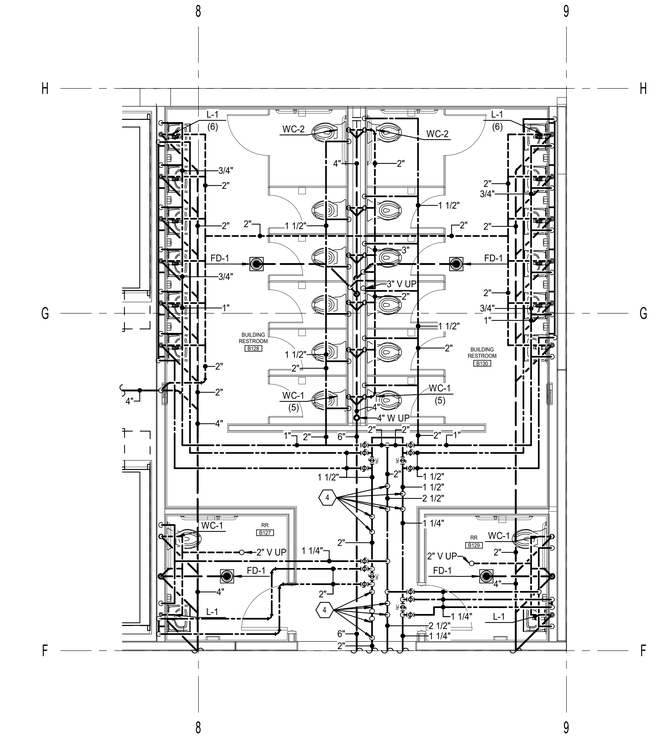
1 P401 RR B242 PLUMBING PLAN
1/4" = 1'-0"



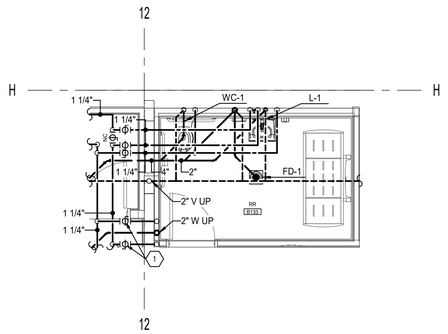
8 P401 RR A240 PLUMBING PLAN
1/4" = 1'-0"



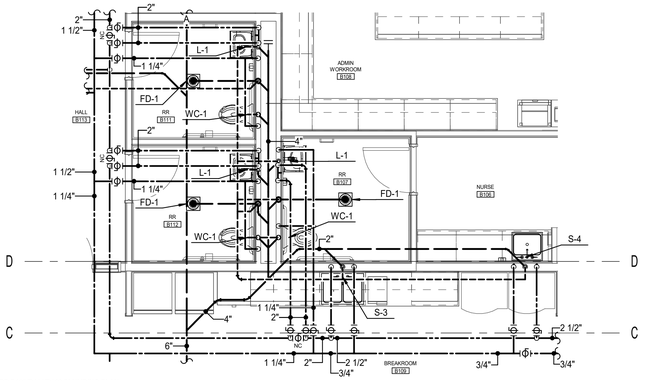
5 P401 RR A236/A237 PLUMBING PLAN
1/4" = 1'-0"



1 P401 BUILDING RESTROOM B128/B130 PLUMBING PLAN
1/4" = 1'-0"



4 P401 RR B133 PLUMBING PLAN
1/4" = 1'-0"



3 P401 RR B107/B111/B112 PLUMBING PLAN
1/4" = 1'-0"

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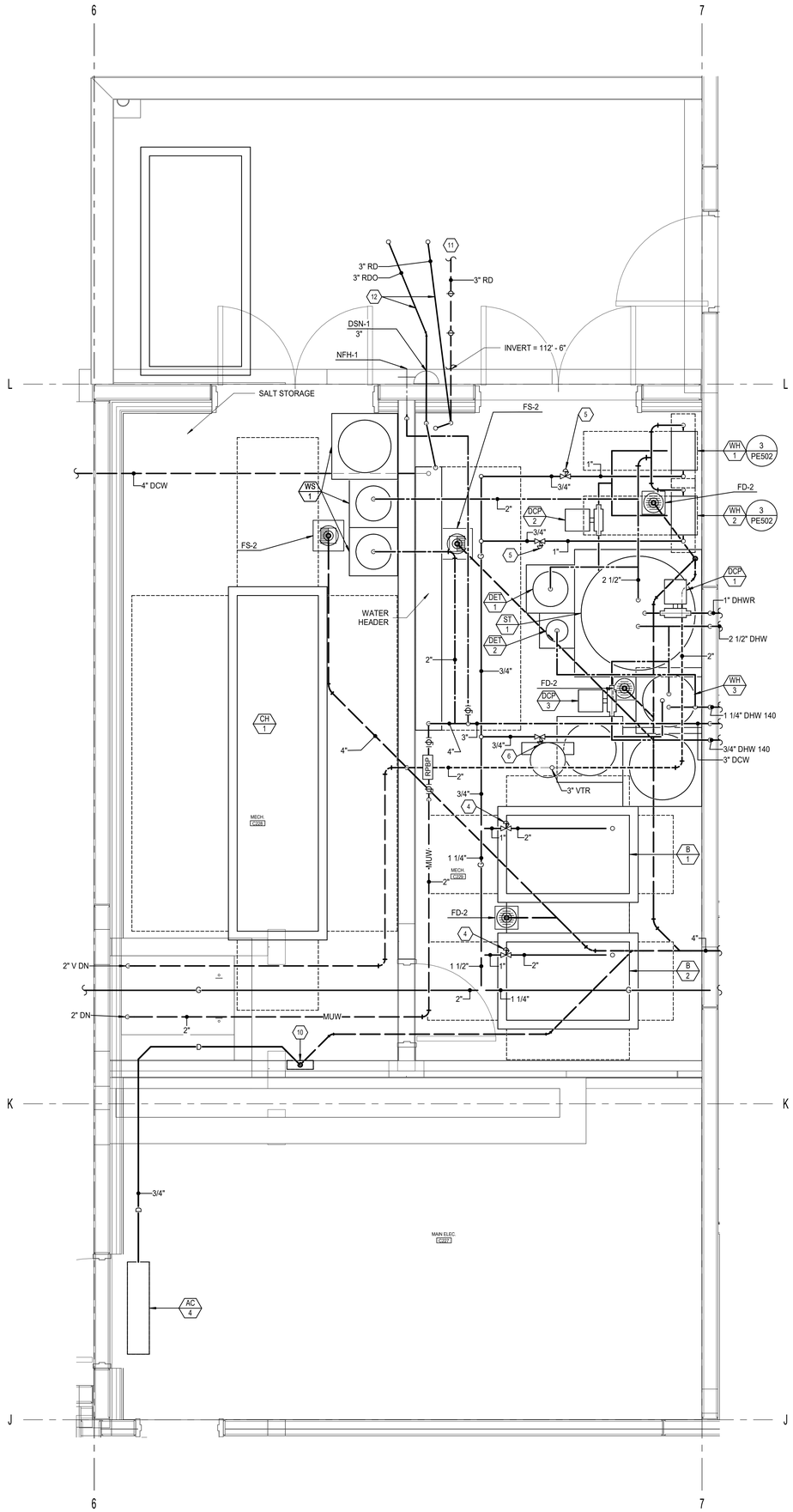
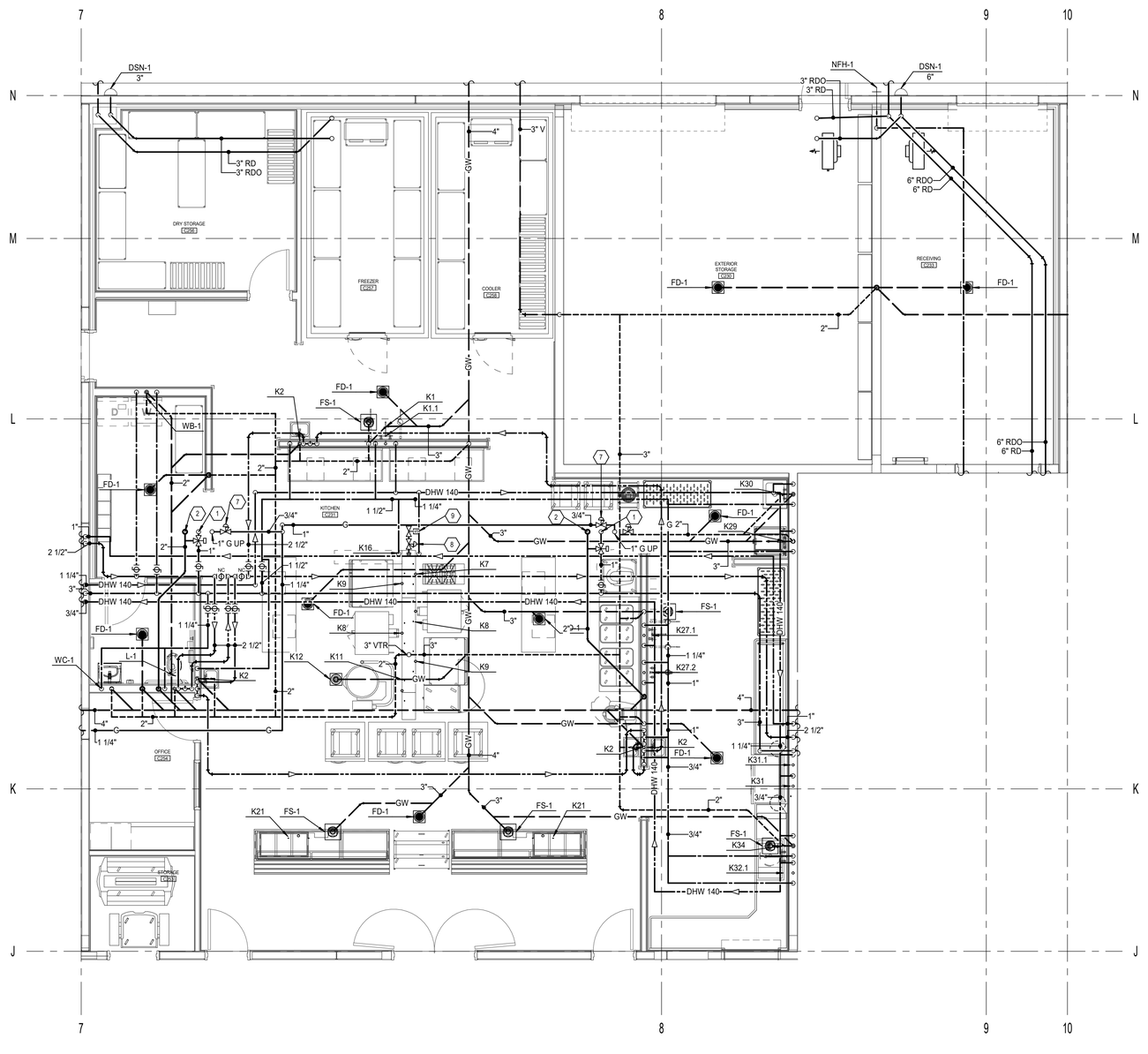
LARGE SCALE PLUMBING PLANS

P401



2 MECHANICAL ROOM PLUMBING PLAN
1/2" = 1'-0"



1 KITCHEN PLUMBING PLAN
1/4" = 1'-0"

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a r c h i t e c t s

KEYED NOTES

1. 1" MAKEUP WATER TO MAU ON ROOF.
2. 2" WASTE LINE FROM EVAPORATIVE SECTION OF MAU ON ROOF.
3. 4' X 4' X 2' DEEP, ABOVE GROUND, SUMP FOR COOLING TOWER DRAIN. 4" OUTLET DRAIN.
4. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. 4545 CFH. VENT TO OUTSIDE.
5. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. 226 CFH. VENT TO OUTSIDE.
6. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. 86 CFH. VENT TO OUTSIDE.
7. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. 467 CFH. VENT TO OUTSIDE.
8. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. 473 CFH. VENT TO OUTSIDE.
9. GAS SOLENOID VALVE. FURNISHED WITH KITCHEN EQUIPMENT. LOCATED ABOVE CEILING. COORDINATE ACCESS DOOR LOCATION.
10. CONDENSATE DRAIN WALL BOX. SLOPE CONDENSATE DRAIN PIPING FROM EQUIPMENT TO WALL BOX. SEE DETAIL 4/P502.
11. SEE CIVIL PLANS FOR CONTINUATION.
12. HEAT TRACE RD AND RDO PIPING IN CANOPY. 5 WATTS PER LINEAL FOOT. APPROXIMATELY 70 WATTS.

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LICENSED PROFESSIONAL ENGINEER
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STATE OF UTAH

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LARGE SCALE PLUMBING PLANS

P402

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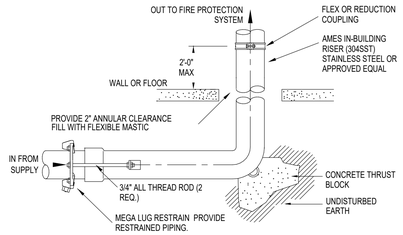
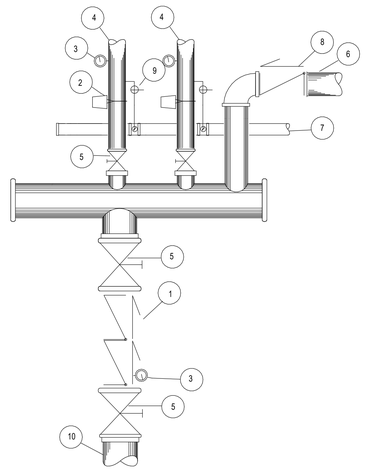


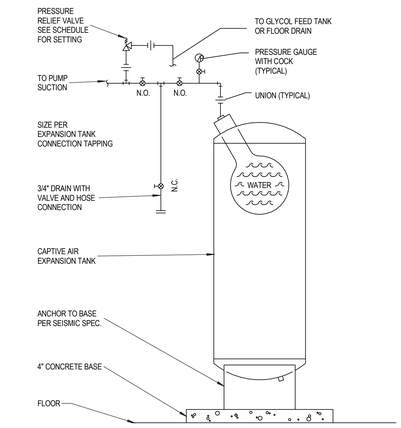
15 / P501 STAILNESS STEEL IN BUILDING RISER
NO SCALE

1 DOUBLE CHECK VALVE ASSEMBLY.
2 FLOW SWITCH TO HORN STROBE ALARM WIRING BY DIVISION 28
3 WATER PRESSURE GAUGE
4 TO FIRE SPRINKLER ZONES
5 CONTROL VALVE W/ TAMPER SWITCH WIRING BY DIVISION 28
6 TO FIRE DEPT. CONNECTION
7 PIPE TO EXTERIOR
8 CHECK VALVE
9 MAIN DRAIN CONNECTION
10 GALV. FIRE LINE FROM SUPPLY. PROVIDE FLANGE SPIGOT RESTRAINT FLEXIBLE COUPLINGS, AND ANNULAR CLEARANCE AS REQUIRED BY NPFA

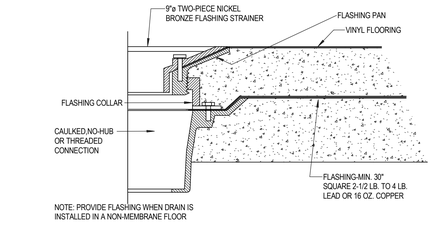


FIRE SPRINKLER RISER ASSEMBLY MANIFOLD

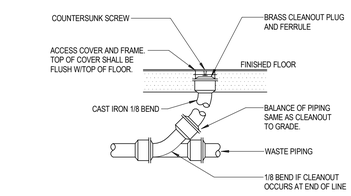
14 / P501 DOUBLE CHECK VALVE MANIFOLD RISER (VERTICAL)
NO SCALE



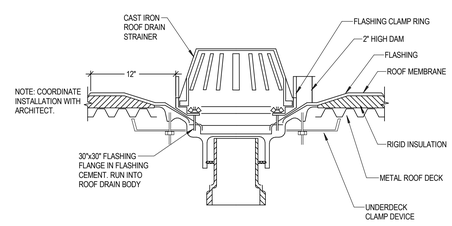
13 / P501 EXPANSION TANK DETAIL
NO SCALE



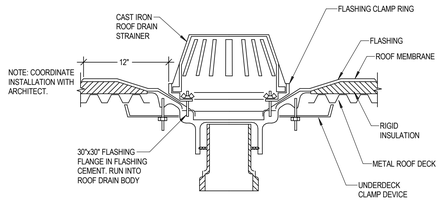
12 / P501 FLOOR DRAIN DETAIL
NO SCALE



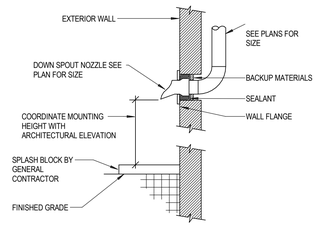
11 / P501 FLOOR CLEANOUT DETAIL
NO SCALE



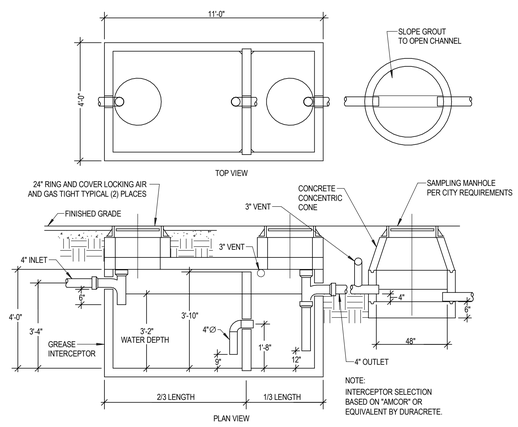
10 / P501 ROOF DRAIN OVERFLOW DETAIL
NO SCALE



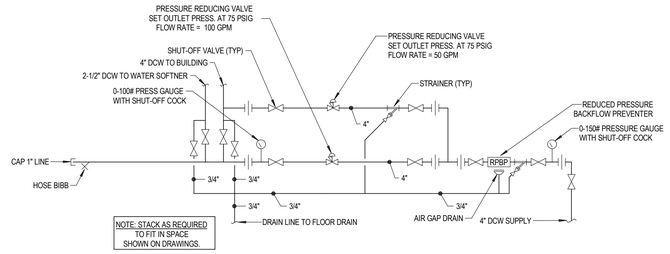
9 / P501 ROOF DRAIN DETAIL
NO SCALE



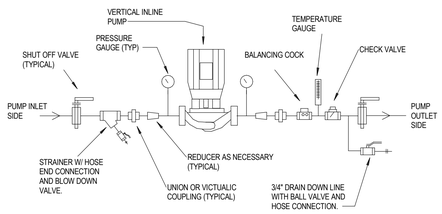
8 / P501 DOWNSPOUT NOZZLE DETAIL
NO SCALE



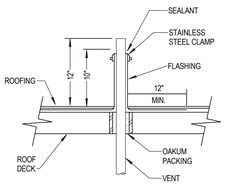
7 / P501 BELOW GRADE EXTERIOR 1000 GALLON GREASE INTERCEPTOR DETAIL
NO SCALE



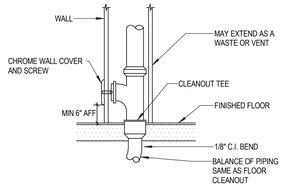
6 / P501 WATER HEADER/PRV DETAIL
NO SCALE



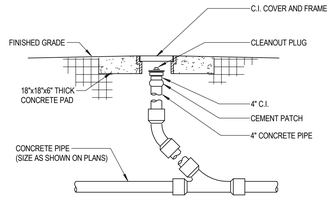
5 / P501 VERTICAL INLINE PUMP DETAIL
NO SCALE



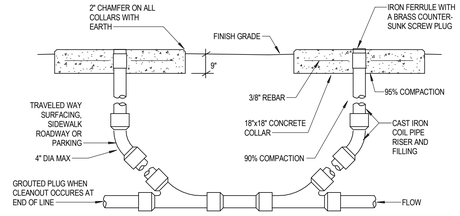
4 / P501 VENT THRU ROOF FLASHING & SLEEVING DETAIL
NO SCALE



3 / P501 WALL CLEANOUT DETAIL
NO SCALE



2 / P501 CLEANOUT TO GRADE (COTG) DETAIL
NO SCALE



1 / P501 CLEAN OUT TO GRADE DOUBLE (COTG) DETAIL
NO SCALE

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P501

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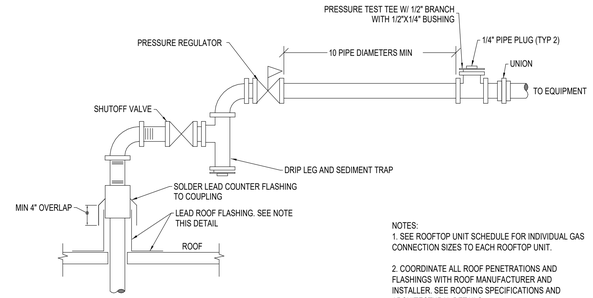
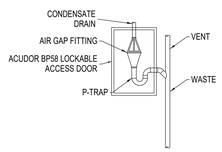


NOTES:
1. SEE ROOFTOP UNIT SCHEDULE FOR INDIVIDUAL GAS CONNECTION SIZES TO EACH ROOFTOP UNIT.

2. COORDINATE ALL ROOF PENETRATIONS AND FLASHINGS WITH ROOF MANUFACTURER AND INSTALLER. SEE ROOFING SPECIFICATIONS AND ARCHITECTURAL DETAILS.

5 / P502 GAS PIPE ROOF PENETRATION
NO SCALE



4 / P502 CONDENSATE DRAIN DETAIL
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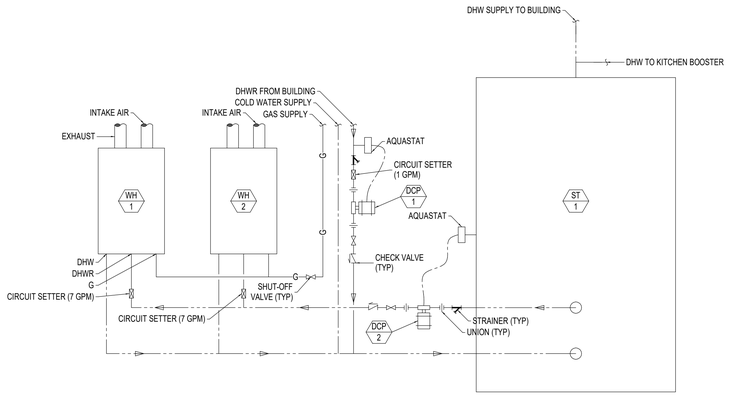
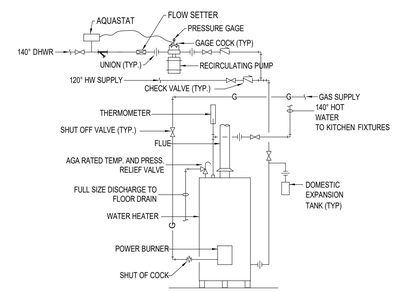
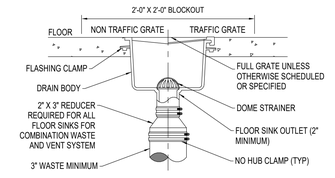


3 / P502 WATER HEATER PIPING DIAGRAM
NO SCALE



2 / P502 WATER HEATER PIPING DIAGRAM- KITCHEN BOOSTER
NO SCALE



1 / P502 FLOOR SINK
NO SCALE

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STATE OF UTAH

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P502

DOMESTIC EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID		PHYSICAL				NOTES
				WORKING FLUID	MIN. TANK/ ACCEPTANCE (GAL)	TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA./ HEIGHT (IN)	NPT FITTING (IN)	
DET-1	B&G PTA 30VC	MECH. ROOM	DIAPHRAGM	WATER	9	14	90	16/19	3/4	1,2
DET-2	B&G PTA SC	MECH. ROOM	DIAPHRAGM	WATER	0.9	2.1	90	10/10	3/4	1,2

1. TANK LINER SUITABLE FOR POTABLE WATER
2. TANK SHALL BE ASME RATED.

DOMESTIC PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SYSTEM	TYPE	FLUID			PUMP	ELECTRICAL				NOTES
					FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	EFFICIENCY (%)	MOTOR SIZE (HP)	MOTOR FLA (AMPS)	MOTOR SPEED (RPM)	VOLT/PH/HZ	
DCP-1	B&G PL-36	MECH ROOM	DHWR	IN-LINE	2	WATER	15	NA	1/6	2.1	3300	115/1/60	
DCP-2	B&G PL-45	MECH ROOM	DHW	IN-LINE	10	WATER	17	NA	1/6	2.1	3300	115/1/60	
DCP-3	B&G PL-36	MECH ROOM	KITCHEN DHW	IN-LINE	1	WATER	13	NA	1/6	2.1	3300	115/1/60	

STORAGE TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	WEIGHT (LBS)	CAPACITY (GAL)	WORKING PRESS. (PSI)	TANK SIZE DIH (IN)	NOTES
ST-1	BRADFORD WHITE NV650JS325A	MECH ROOM	1593	658	150	52/92	(1)

1. MOUNT ON 4" HIGH HOUSEKEEPING PAD.

NATURAL GAS REQUIREMENTS

EQUIP. NO.	QTY.	LOCATION	EQUIPMENT	EQUIP BTUH INPUT	TOTAL CFH
B-1, 2	2	MECH ROOM	HOT WATER BOILER	2,000,000	4545
WH-1	1	MECH ROOM	DOM. WATER HEATER	199,000	226
WH-2	1	MECH ROOM	DOM. WATER HEATER	199,000	226
WH-3	1	MECH ROOM	BOOSTER HEATER	76,000	86
MAU-1,2	2	KITCHEN	MAKE-UP AIR UNIT	205,500	467
KITCHEN EQUIPMENT	1	KITCHEN	KITCHEN EQUIPMENT	663,000	753

TOTAL (BTUH) = 5,548,000
BTU/CUBIC FT. = 880
TOTAL CFH= 6305

2 PSIG GAS METER WITH EARTHQUAKE VALVE ON CONCRETE PAD BY GAS SUPPLIER PAID FOR BY CONTRACTOR.

KITCHEN EQUIPMENT SCHEDULE

ITEM NO	QTY	Category	CW size	HW size	Direct Drain size	Indirect Drain size	Gas size	Gas MBTU	Plumbing Remarks
K1	1	SINK, TWO COMP				1-1/2"			
K1.1	1	WALL/SPLASH MOUNT FAUCET	1/2"	1/2"					
K2	4	HAND SINK	1/2"	1/2"	1-1/2"				
K5.1	1	WALK-IN COOLER EVAPORATOR				5/8"			
K6.1	1	WALK-IN COOLER EVAPORATOR				5/8"			
K7	1	RANGE, 18"					1-1/4"	70	
K8	2	CONVECTION OVEN, GAS					3/4"	140	
K9	2	COMBI OVEN, GAS	(2)3/4"			2"	3/4"	106.5	
K11	1	KETTLE, GAS, TILTING	1/2"	1/2"			3/4"	100	
K12	1	FLOOR TROUGH			4"				
K21	2	HOT FOOD WELL, FLIM LINE				1"			
K27.1	1	WALL/SPLASH MOUNT FAUCET	1/2"	1/2"					
K27.2	1	PRE-RINSE FAUCET	1/2"	1/2"					
K29	1	CAN WASH	1/2"	1/2"		1-1/2"			
K30	1	MOP SINK	1/2"	1/2"	2"				
K31	1	WARE/WASHER, CONVEYOR		1/2"		2"			
K31.1	1	BOOSTER HEATER, ELECT		3/4"					
K32.1	1	PRE-RINSE FAUCET	1/2"	1/2"					
K34	1	SCRAP COLLECTOR	3/4"	3/4"	2"				

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.
2. FOR INFORMATIONAL PURPOSES ONLY. SEE KITCHEN DRAWINGS.

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES
EWC-1	ELECTRIC WATER COOLER	1/2	-	1 1/2	1 1/2	ELECTRIC WATER COOLER: ELKAY MODEL EZSTL8WSVRLK WALL MOUNTED BI-LEVEL ADA WATER COOLER WITH BOTTLE FILLER, ONE-PIECE STAINLESS STEEL TOP AND RECEPTOR. VANDAL RESISTANT BUBBLER, WELDED STEEL FRAME AND STAINLESS STEEL PANELS WITH BAKED ENAMEL COATING; HERMETICALLY SEALED MOTOR COMPRESSOR WITH OVERLOAD PROTECTION, 115V/1PH/60Hz, 6 FLA; FAN COOLED CONDENSER; PERMANENTLY LUBRICATED FAN MOTOR; COOLER SHALL DELIVER 8 GPH AND BOTTLE FILLER SHALL PROVIDE 1.1 GPM OF 50?F WATER WITH 80?F INLET TEMPERATURE AND 90?F ROOM TEMPERATURE. UNIT SHALL NOT INCLUDE FILTER.
FD-1	FLOOR DRAIN	-	-	2	1 1/2	FLOOR DRAIN: JAY R. SMITH 2005Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE DEEP SEAL TRAP AND TRAP GUARD TYPE TRAP SEAL DEVICE.
FD-2	FLOOR DRAIN	-	-	3	2	FLOOR DRAIN: JAY R. SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET, NO-HUB CONNECTION, TRAP GUARD TYPE TRAP SEAL DEVICE AND DEEP SEAL P-TRAP.
FS-1	FLOOR SINK	-	-	3	2	FLOOR SINK: JAY R. SMITH 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
FS-2	FLOOR SINK	-	-	4	2	FLOOR SINK: JAY R. SMITH 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
RD-1	ROOF DRAIN	-	-	SEE PLANS	-	ROOF DRAIN: JAY R. SMITH 1010Y-R-C-CID CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RDO-1	ROOF DRAIN OVERFLOW	-	-	SEE PLANS	-	ROOF DRAIN OVERFLOW: JAY R. SMITH 1080Y-R-C-CID CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP, 2" WATER DAM.
DSN-1	DOWNSPOUT NOZZLE	-	-	SEE PLANS	-	DOWNSPOUT NOZZLE: JAY R. SMITH 1770 DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND FLANGE.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	LAVATORY (WALL HUNG, ADA): AMERICAN STANDARD LUCERNE, 20-1/2" X 18-1/4", WALL HUNG, VITREOUS CHINA LAVATORY, 4" CENTER FAUCET HOLES. OPEN GRID STRAINER. T&S BRASS B-0871 TWO LEVER, 4" CENTERS FAUCET, B-0199-03-N05 0.5 GPM MAX FLOW. PROVIDE FLEXIBLE STAINLESS STEEL LOOSE KEY ANGLE STOPS AND CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HANDI-LAV GUARD" PROTECTOR AS NEEDED TO MEET ADA REQUIREMENTS.
S-1	CLASSROOM SINK	1/2	1/2	2	1 1/2	SINK (COUNTER MOUNT, SINGLE COMPARTMENT): ELKAY LRAD2521651 18 GAUGE STAINLESS STEEL SINK 25" X 21-1/4" X 6-1/2" DEEP, REAR CENTER DRAIN OPENING. T&S BRASS B-0301-VR DECK MOUNT, SINGLE HOLE, FAUCET WITH 5-3/4" GOOSENECK, LEVER HANDLES AND VANDAL PROOF 2.2 GPM AERATOR AND WATTS LFMMV THERMOSTATIC MIXING VALVE ON THE HOT WATER SUPPLY TO MEET ASSE 1070. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES. OPEN GRID STRAINER. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	CLASSROOM SINK, BUBBLER	1/2	1/2	2	1 1/2	SINK (COUNTER MOUNT, SINGLE COMPARTMENT, BUBBLER): ELKAY DRKAD252265 18 GAUGE STAINLESS STEEL SINK 25" X 22" X 6-1/2" DEEP, REAR CENTER DRAIN OPENING, SINGLE HOLD FAUCET DRILLING AND SLOTTED HOLE FOR BUBBLER SEE ARCHITECTURAL PLANS FOR BUBBLER SIDE. T&S BRASS B-0301-VR DECK MOUNT, SINGLE HOLE, FAUCET WITH 5-3/4" GOOSENECK, LEVER HANDLES AND VANDAL PROOF 2.2 GPM AERATOR. HAWS 5054LF BUBBLER, SELF CLOSING LEVER, VANDAL RESISTANT HEAD. WATTS LFMMV THERMOSTATIC MIXING VALVE ON THE HOT WATER SUPPLY TO MEET ASSE 1070. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES. OPEN GRID STRAINER. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-3	BREAK ROOM SINK	1/2	1/2	2	1 1/2	SINK (UNDER MOUNT, DOUBLE COMPARTMENT, BUBBLER): ELKAY ELUHAD3121055RPD 18 GAUGE STAINLESS STEEL SINK 31.25" X 20.5" X 5-3/8" DEEP, REAR CENTER DRAIN OPENING. T&S BRASS B-1121 DECK MOUNT FAUCET WITH 8" SWING SPOUT, LEVER HANDLES AND 2.2 GPM AERATOR. WATTS LFMMV THERMOSTATIC MIXING VALVE ON THE HOT WATER SUPPLY TO MEET ASSE 1070. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES. OPEN GRID STRAINER. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-4	NURSE SINK	1/2	1/2	2	1 1/2	SINK (UNDER MOUNT, SINGLE COMPARTMENT, BUBBLER): ELKAY ECTSRAD252260 18 GAUGE STAINLESS STEEL SINK 25" X 22" X 6" DEEP, REAR CENTER DRAIN OPENING. T&S BRASS B-1142 DECK MOUNT, FAUCET WITH 5-3/4" GOOSENECK, LEVER HANDLES AND VANDAL PROOF 2.2 GPM AERATOR. WATTS LFMMV THERMOSTATIC MIXING VALVE ON THE HOT WATER SUPPLY TO MEET ASSE 1070. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES. OPEN GRID STRAINER. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SS-1	SERVICE SINK	1/2	1/2	3	1 1/2	SERVICE SINK (FLOOR MOUNTED): KOHLER K-6710, WHITBY, 28 X 28-INCH, ENAMELED CAST IRON FLOOR-MOUNTED CORNER MODEL. K-9146 3" DRAIN WITH STRAINER. K-8940 REMOVABLE VINYL-COATED RIM GUARD. T&S BRASS B-0665-BSTP FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 3 FOOT RUBBER HOSE AND 853-CP WALL HOOK. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES INSTALLED IN CEILING ABOVE SERVICE SINK WITH ACCESS...
WB-1	WASHER BOX	3/4	3/4	2	2	WASHER OUTLER BOX: IPS GUY GRAY 82194 WASHING MACHINE OUTLET BOX WITH DRAIN, QUARTER-TURN HAMMER ARRESTOR VALVES. 2" DRAIN KIT. BOX SHALL BE 20 GAUGE, WHITE POWDER COATED.
ICE-1	WATER CONNECTION	3/4	-	-	-	WATER CONNECTION: IPS GUY GRAY RMDW1AB WATER OUTLET BOX WITH QUARTER TURN HAMMER ARRESTOR VALVE. BOX SHALL BE LEAD FREE METAL 20 GAUGE WITH WHITE POWDER COATING.
HB-1	HOSE BIBB	1/2	-	-	-	HOSE BIBB: T&S BRASS B-0736 1/2" NPT FEMALE INLET, 3/4" MALE HOSE THREAD OUTLET, CHROME PLATED, LOOSE KEY, VACUUM BREAKER.
HB-2	HOSE BIBB	3/4	3/4	-	-	HOSE BIBB: T&S BRASS B-0665-BSTP FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS. PROVIDE WATTS LF7R DUAL CHECKS IN HOT AND COLD SUPPLIES INSTALLED IN CEILING ABOVE SERVICE SINK WITH ACCESS DOOR IF HARD CEILING.
NFH-1	NON-FREEZE WALL HYDRANT	3/4	-	-	-	NON-FREEZE HYDRANT: JAY R. SMITH 5609QT NON-FREEZE WALL HYDRANT FOR WALL THICKNESS SHOWN ON PLAN. BRONZE HYDRANT, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY.
WC-1	WATER CLOSET	1	-	4	2	WATER CLOSET (FLOOR MOUNTED, FLUSH VALVE): AMERICAN STANDARD, MADERA FLOWISE 16-1/2" TOILET, FLOOR MOUNTED, VITREOUS CHINA, 1.28 GALLON FLUSH. ELONGATED BOWL DESIGN, SIPHON JET FLUSHING, 2-1/8" PASSAGEWAY AND 1-1/2" TOP SPUD. SLOAN ROYAL 111 SMO-1.28, 1.28 GPF, 1-1/2" TOP SPUD MOUNT, BATTERY POWER, EXPOSED, SENSOR FLUSHOMETER. BEMIS 3155CT "DURAGUARD" WHITE, SOLID PLASTIC, OPEN-FRONT SEAT, LESS COVER.
WC-2	ADA WATER CLOSET	1	-	4	2	WATER CLOSET (FLOOR MOUNTED, FLUSH VALVE, ADA): AMERICAN STANDARD, MADERA FLOWISE 16-1/2" TOILET, FLOOR MOUNTED, VITREOUS CHINA, 1.28 GALLON FLUSH. ELONGATED BOWL DESIGN, SIPHON JET FLUSHING, 2-1/8" PASSAGEWAY AND 1-1/2" TOP SPUD. SLOAN ROYAL 111 SMO-1.28, 1.28 GPF, 1-1/2" TOP SPUD MOUNT, BATTERY POWER, EXPOSED, SENSOR FLUSHOMETER. BEMIS 3155CT "DURAGUARD" WHITE, SOLID PLASTIC, OPEN-FRONT SEAT, LESS COVER.
GI-1	GREASE INTERCEPTOR	-	-	4	2	GREASE INTERCEPTOR: 1500 GALLON GREASE INTERCEPTOR. OLDCASTLE PRECAST SGI-STANDARD 4116-GI, OR EQUIVALENT.

(1) ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

GAS FIRED WATER HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	INPUT LOAD (BTUH)	EFFICIENCY (%)	RECOVERY RATE @ 67 F DELTA T	TANK SIZE (GAL)	FLUE SIZE (IN)	LENGTH/ WIDTH/ HEIGHT (IN)	ELECTRICAL		NOTES
										AMPS	V/PH	
WH-1	IBC INTERGAS STF 199	MECH. ROOM	DOMESTIC	199,000	89	318 GPH	ST-1	2	10.9/17.7/29.8	2	120/1	(1)(2)
WH-2	IBC INTERGAS STF 199	MECH. ROOM	DOMESTIC	199,000	89	318 GPH	ST-1	2	10.9/17.7/29.8	2	120/1	(1)(2)
WH-3	BRADFORD WHITE LC2PV50H76SN	MECH. ROOM	KITCHEN BOOSTER	76,000	80	82 GPH	50	3	34-7/16/24/46-7/16	15	120/1	(1)(3)

1. ELEVATION 4500 FT.
2. OUTLET TEMPERATURE SHALL BE SET TO 120 DEGREES F.
3. OUTLET TEMPERATURE SHALL BE SET TO 140 DEGREES F.

WATER SOFTENER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	TOTAL (GRAINS)	NORMAL / MAX. WATER FLOW/UNIT @ 15/25 PSI LOSS	BACKWASH FLOW RATE (GPM)	RESIN QUANTITY (FT^3)	RESIN TANK HGHT/DIA (IN/IN)	BRINE TANK HGHT/DIA (IN/IN)	ELECTRICAL (VOLT/PH)	NOTES
WS-1	CULLIGAN CTM-120-PF	MECH. ROOM	DUPLEX	111,000	55/73	8	4	84.7/16	40/24	120/1	1, 2

1. PACKAGED EQUIPMENT
2. DUPLEX OUTLET

naylor wentworth lund
a r c h i t e c t s

CACHE COUNTY
SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002



	DATE	REVISION

PLUMBING SCHEDULES

P601

SECURITY

#IP#.X	IP SURVEILLANCE CAMERA - SEE CAMERA SURVEILLANCE TYPE SCHEDULE	AS NOTED	9. 10. 12.	DH	MAGNETIC DOOR HOLD OPENER	AS NOTED	8. 12.
NVR	NETWORK VIDEO RECORDER / SERVER		12.	ES	ELECTRIFIED DOOR STRIKE	DOOR JAMB	8. 12.
DC	ACCESS CONTROL DOOR / WINDOW SWITCH / CONTACT	DOOR JAMB	12.	DP	INTRUSION DETECTION DOOR / WINDOW CONTACT	DOOR JAMB	12.
DC X	SPECIALIZED SWITCH / CONTACT (GARAGE DOOR, ROOF ACCESS DOOR / HATCH)		12.	EL	ELECTRIFIED DOOR LOCK	DOOR JAMB	8. 12.
XX X	DR=DOOR RELEASE, LD=LOCKDOWN, PE=PUSH TO EXIT, DB=DUIRESS / PANIC; T=TRANSMITTER, R=RECEIVER, H=HARDWIRED		12.	RX	ACCESS CONTROL REQUEST TO EXIT MOTION		8. 12.
				EC	ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)		8. 12.
MD MD	INTRUSION MOTION DETECTOR SOLID - WALL MOUNTED, DASHED = CEILING		12.	CR	ACCESS CONTROL CREDENTIAL CARD READER	+46"	1. 12.
GB GB	GLASS BREAK DETECTOR; SOLID = WALL MOUNTED, DASHED = CEILING		12.	BR	ACCESS CONTROL BIOMETRIC READER	+46"	1. 12.
AS AS	INTRUSION DETECTION ALARM SIREN AND/OR STROBE		12.	KS	KEY OVERRIDE SWITCH	+46"	1. 12.
PI	INTRUSION DETECTION POP-IT MODULE		12.	ICR	INTEGRATED LOCKSET WITH CREDENTIAL CARD READER		8. 12.
KP	INTRUSION DETECTION KEYPAD (ARM/DISARM)		12.	KCR	ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD	+46"	1. 12.
INT	IP TWO-WAY AUDIO & VIDEO INTERCOM (ANSWERING BASE STATION & DOOR STATION)		12.	WS	SECURITY WORKSTATION		12.
ML	ELECTROMAGNETIC LOCK (MAG LOCK)		8. 12.	ACS	ACCESS CONTROL PANEL		12.
SC SC	SMOKE & C/O DETECTOR COMBO; SOLID = WALL MOUNTED, DASHED = CEILING		12.	IDS	INTRUSION DETECTION PANEL		12.
SH SH	SMOKE & HEAT DETECTOR COMBO; SOLID = WALL MOUNTED, DASHED = CEILING		12.	PSP	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.

COLOR LEGEND

	LIGHTING FIXTURES		POWER DEVICES		AUDIOVISUAL
	LIGHTING DEVICES		TELECOMMUNICATIONS		SECURITY
	POWER EQUIPMENT		FIRE ALARM		NURSECALL
	CABLE TRAY		CONDUIT		

COORDINATION FOR CONCRETE TILT-UP WALLS

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT PATHWAYS, JUNCTION BOXES, PASS-THROUGHS, PANEL LOCATIONS, AND EMBEDDED ELECTRICAL COMPONENTS WITH THE GC AND ALL TRADES BEFORE FABRICATION AND ERECTION OF CONCRETE TILT-UP PANELS. ALL ELECTRICAL PENETRATIONS AND EMBEDDED CONDUIT MUST BE VERIFIED PRIOR TO FORMWORK TO PREVENT CONFLICTS WITH STRUCTURAL ELEMENTS, REINFORCING STEEL, AND OTHER SYSTEMS.
2. CONDUIT STUB-UPS, WALL-MOUNTED EQUIPMENT LOCATIONS, AND PASS-THROUGHS MUST BE PRE-PLANNED TO ENSURE ACCESSIBILITY AND ALIGNMENT. NO CONDUIT SHALL BE PLACED IN CONTROL JOINTS OR PANEL SEAMS. ALL PENETRATIONS MUST BE FIRE-RATED AND SEALED PER WATERPROOFING REQUIREMENTS. SURFACE-MOUNTED RACEWAYS ARE TO BE MINIMIZED AND REQUIRE PRIOR APPROVAL, AND SHALL BE THROUGHOUT IRFI ONLY.
3. THE CONTRACTOR SHALL CONDUCT A PRE-INSTALLATION COORDINATION MEETING AND SUBMIT SHOP DRAWINGS FOR REVIEW TO ENSURE PROPER INTEGRATION OF ELECTRICAL INFRASTRUCTURE WITHIN THE TILT-UP PANELS.

TELEPHONE/DATA LEGEND

DIVISION 26000, 27, AND 28 ELECTRICAL CONTRACTORS ARE RESPONSIBLE TO READ, UNDERSTAND AND ABIDE TO THE SPECIFICATIONS OF DIVISION 27 1500 CONTRACTOR'S RESPONSIBILITY AND THE SCOPE OF THE WORK THAT IS BEING REQUIRED. REFER TO DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIRED DROPS AND FURTHER INFORMATION.

- X — CEILING MOUNTED OUTLET: REFER TO LETTER FOR CABLE QUANTITY
- WAP — WIRELESS ACCESS POINT: (2) CAT6A DATA CABLES WITH 2 PORT SURFACE BOX (15' COIL ABOVE ACCESSIBLE CEILING) (OFOI).
- FB (FT) — FLOOR BOX: REFER TO DESCRIPTION FOR # CABLES REQUIRED AT EACH FLOOR BOX
- DP — DATA OUTLET BEHIND DISPLAYS: PROVIDE (4) DATA DROP UNLESS NOTED OTHERWISE.
- IP CAMERA: 1 (1) CAT6A DATA WITH BISCUIT/SURFACE BOX (15' COIL ABOVE ACCESSIBLE CEILING) DATA (REFER TO SYSTEMS SHEETS)
- INT — ACCESS CONTROL SYSTEM TWO-WAY AUDIO/VIDEO INTERCOM DOOR STATION. (REFER TO THE MANUFACTURES (2N VERSO SOLO) SPECIFICATIONS FOR THE NECESSARY CABLING): 1 CAT6A DATA DROP.
- AV INTERCOM ANALOG CLOCK: 1 CAT6A DATA DROP
- IO4 Z-ID — AV IP INTERCOM SPEAKER: 1 DATA (REFER TO Z-ID CALLOUTS ON TA300 SERIES FOR INDIVIDUAL IP ZONE CALLOUTS)
- CSA — IP CLASSROOM SOUND AMPLIFICATOIN SYSTEM: 1 CAT6A DATA (REFER TO TA1##.2 SERIES SHEETS FOR CSA LOCATIONS)

1. ALL CABLE PATHWAYS (CONDUIT, CABLE BASKET/TRAY ETC.) TO BE INSTALLED BY DIVISION 26000 CONTRACTORS WHEN INDICATED ON THE DRAWINGS AND/OR IN THIS SPECIFICATION. CABLE TRAY IS NOT TO BE ANY LESS THAN 18" WIDE AND 4" HIGH THROUGH MAIN CORRIDOR PATHWAYS. CONTRACTORS TO INSTALL A 4-11/16" SQUARE DEEP BOX WITH A SINGLE 1" CONDUIT ENTRY TO EACH NETWORK DROP
2. PROVIDE A 10' SERVICE LOOP TO EACH DATA DROP, IP SURVEILLANCE, AND WAP LOCATION.
3. ANY PATHWAYS IN OR UNDER THE SLAB OR ANY OTHER POTENTIALLY WET LOCATIONS SHALL USE THE APPROPRIATE OSP CABLING AND CONDUIT SHALL RUN TO THE NEAREST NETWORK CLOSET WHERE CABLES WILL BE TERMINATED WITHIN 50' OF EXITING THE CONDUIT. ANY PIPING OF THESE LOCATIONS TO THE CABLE TRAY SO THAT OSP CABLES WOULD RUN FREELY THROUGH A PLENUM AIR SPACE IS PROHIBITED.

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
4. SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.
12. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING		
MAXIMUM LENGTH	**BRANCH CIRCUIT VOLTAGE**	
CONDUCTOR LENGTH (FT)	**120 VOLT**	**277 VOLT**
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.

B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.

C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY,CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

13. ALL CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES PARALLEL TO, OR AT RIGHT ANGLES TO, THE STRUCTURE OR ADJACENT BUILDING ELEMENTS. SEPARATIONS BETWEEN CONDUITS AND FASTENINGS OF CONDUITS SHALL BE NEAT AND CONSISTENT. CONDUIT SHALL BE INSTALLED AS TIGHT TO THE BOTTOM OF STRUCTURAL ELEMENTS WHEN PARALLEL TO JOISTS AS CODE WILL ALLOW. OVERALL INSTALLATION SHALL BE ACCOMPLISHED IN AN AESTHETIC AND WORKMANLIKE MANNER. NO CONDUITS SHALL BE ALLOWED TO RUN PERPENDICULAR TO THE BOTTOM CHORD OF THE JOISTS.
14. DIVISION 26 SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
15. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM.
16. ELECTRICAL CONTRACTOR SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO GENERAL CONTRACTOR EXPECTATIONS.
17. COORDINATE ELECTRICAL DEMOLITION WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR.
18. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH HEAD CUSTODIAN AND OWNER.
19. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR WILL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE OWNER.
20. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING-IN THE BUILDING. COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE INSTALLATION OF ELECTRICAL EQUIPMENT AND MATERIALS.
21. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
22. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.
23. CONTRACTOR MUST CONCEAL ALL RACEWAY THROUGHOUT THE PROJECT. SURFACE MOUNT RACEWAY IS UNACCEPTABLE EXCEPT WHERE THE USE OF PAINTED SURFACE METAL RACEWAYS (EMT) IS APPROVED SOLEY BY THE ARCHITECT, PAINT TO MATCH SURROUNDING SURFACE.
24. ALL CONCRETE CUT AND PATCH WORK REQUIRED FOR FLOOR BOXES INSTALLATION AND/OR RELOCATION OF ELECTRICAL DEVICES AND PANELS THAT REQUIRE WORK WITHIN THE FLOORS SHALL BE DONE BY ELECTRICAL CONTRACTOR. ALL CORE CUTTING FOR NEW SERVICE SHALL ALSO BE COVERED UNDER ELECTRICAL CONTRACTORS REQUIRED WORK.
25. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ALL WASTE, SURPLUS MATERIALS, RUBBISH OR DEBRIS WHICH IS CAUSED BY HIS EMPLOYEES OR RESULTING FROM HIS WORK. AFTER ALL EQUIPMENT AND DEVICES HAVE BEEN INSTALLED, REMOVE ALL LABELS, STICKERS, STAINS, TEMPORARY COVERS, ETC. IDENTIFICATION PLATES ON ALL EQUIPMENT.
26. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR.
27. PROVIDE GFCI CIRCUIT BREAKERS SERVING RECEPTACLES PROVIDING POWER TO DRINKING FOUNTAINS, REFRIGERATORS, VENDING MACHINES, DISPOSALS, AND WASHING MACHINES.
28. CAREFULLY REVIEW THE ENTIRE DRAWING PACKAGE PRIOR TO PROVIDING BID, INCLUDING THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT REVIEWING THE ENTIRE SET IS NOT ACCEPTABLE.
29. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
30. PROVIDE WEATHERPROOF, NEMA 3R RATED EQUIPMENT FOR ALL EXTERIOR APPLICATIONS.

SYMBOL LEGEND

NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
12. COORDINATE WITH DOOR HARDWARE SUPPLIER.
13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
14. ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION.
15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR. THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.
21. COORDINATE DEVICE HEIGHTS WITH AV INSTALLER AND DISPLAY MOUNTS

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

GENERAL							
SYMBOL	**DESCRIPTION**	**MOUNTING HEIGHT**	**NOTES**	**SYMBOL**	**DESCRIPTION**	**MOUNTING HEIGHT**	**NOTES**
	ONE CIRCUIT, HOME RUN TO PANEL				EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	2 CIRCUIT, HOME RUN TO PANEL				CABLE TRAY	AS NOTED	
	3 CIRCUIT, HOME RUN TO PANEL				GROUND BUS BAR	+18"	6.
	CONDUIT RUN CONCEALED IN WALL OR CEILING			X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND			X	EQUIPMENT NUMBER		
	CONDUIT UP			X	ARCHITECTURAL ROOM NUMBER		
	CONDUIT DOWN			X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
	CONDUIT STUB LOCATION	CAP CONDUIT		X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
	CONDUIT / CIRCUIT CONTINUATION						

MULTIPLE SYSTEM SYMBOLS							
R	RECEPTACLE SWITCH PACK	ABOVE CEILING		J F	JUNCTION BOX (?' IN FLOOR)	AS NOTED	
	DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED	2. 9.		MOTOR OUTLET	TO SUIT EQUIP.	2.
	SIMPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		PUSHBUTTON	+46"	2.
	DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
A	DATA OUTLET, THREE CABLES RECEPTACLE		9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.	B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	S	SINGLE POLE SWITCH	+46"	2. 4.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	S?	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER	+60"	6. 7.
	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.	VFD	VARIABLE FREQUENCY DRIVE	+66"	6.

LIGHTING							
	CEILING LIGHT FIXTURE	CEILING	1.	PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
	WALL LIGHT FIXTURE	AS NOTED	1.	RC X	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.	EP	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.	S3	THREE-WAY SWITCH	+46"	2. 4.
	LIGHT FIXTURE	AS NOTED	1.	S4	FOUR-WAY SWITCH	+46"	2. 4.
	EGRESS LIGHT FIXTURE	AS NOTED	1.	SK	KEY OPERATED SWITCH	+46"	2. 4.
	AREA LIGHT POLE AND FIXTURE POST TOP LIGHT POLE AND FIXTURE	CONCRETE BASE	1. 14. SEE DIAGRAM	SP	SWITCH WITH PILOT LIGHT	+46"	2. 4.
	BOLLARD	CONCRETE BASE	1. 14. SEE DIAGRAM	SV	VARIABLE INTENSITY SWITCH	+46"	2. 4.
	STEP LIGHT FIXTURE	AS NOTED	1.	ST	TIMER SWITCH	+46"	2. 4.
	IN-GRADE LIGHT FIXTURE	CONCRETE BASE	1.	SM	MOMENTARY CONTACT SWITCH	+46"	2. 4.
	FLOOD OR TRACK FIXTURE	AS NOTED	1.	X	LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+46"	2. SEE DIAGRAM, SPEC.
	CEILING / WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1. 3. 8.		DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.		DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.	P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
TC	TIME CLOCK	+60"	2.		DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPEC.

POWER [ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF]							
	CONTROLLED DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.	DP	RECESSED 4-PLEX, DATA AND OTHER DEVICES, GROUPED TOGETHER; BEHIND DISPLAY/TV	AS NOTED	21
	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	CP	CEILING PROJECTION SYSTEM CEILING BOX	ABOVE CEILING	SEE DIAGRAM, SPEC.
	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.		DOORBELL CHIME	+90"	2.
	SPECIAL PURPOSE OUTLET	+18" OR AS NOTED	2. 10. W/ CAP.	FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	CORD DROP		SEE DIAGRAM	PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	CORD REEL		SEE DIAGRAM		PANELBOARD		
	TOMBSTONE RECEPTACLE				MAIN DISTRIBUTION PANEL		
	POWER POLE				TELEPHONE DEMARCATION BOARD		
EV EV	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER			CLG	EQUIPMENT CEILING RACK	CEILING	
					EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
					EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
				M	UTILITY METER / CT CABINET	+72"	6.

TELECOMMUNICATIONS							
W	WALL PHONE "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	+60" OR AS NOTED	2.	XX WAP	XX WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	WALL / CEILING	11.
	DATA OUTLET, ONE CABLE "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	+18" OR AS NOTED	2. 9. 11.					
	DATA OUTLET, TWO CABLES "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	+18" OR AS NOTED	2. 9. 11.	SPL	SPLITTER	ABOVE CEILING	
	DATA OUTLET, THREE CABLES "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	+18" OR AS NOTED	2. 9. 11.	VIA	VIA	ABOVE CEILING	
X	DATA OUTLET, "X" INDICATES QUANTITY "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL	+18" OR AS NOTED	2. 9. 11.	BDA	FIBER BDA	ABOVE CEILING	
	DATA OUTLET, SOLID = FLOOR, DASHED = CEILING "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIOVISUAL		11.	ANT XX	ANTENNA PS = PUBLIC SAFETY, COM = CELLULAR/COMMERCIAL	CEILING	
	TELEVISION OUTLET, SOLID = FLOOR, DASHED = CEILING	+18" OR AS NOTED	9. 11.				

FIRE ALARM							
	BELL	+94"	2.	S	SMOKE DETECTOR	CEILING	
C	CHIME / STROBE	+94" / CEILING	2.	SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
F	FIRE ALARM MANUAL STATION	+46"	2.	C	CARBON MONOXIDE DETECTOR	CEILING	
H	FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.	H	HEAT DETECTOR	CEILING	
H CLG	CONCEALED FIRE ALARM HORN / STROBE	CEILING		D	DUCT SMOKE DETECTOR		MTD. IN DUCT
H	CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.	D	FIRE/SMOKE DAMPER		
E	FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.		DOOR HOLDER	AS NOTED	
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING		FS	FLOW SWITCH		
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.	TS	TAMPER SWITCH		
S	FIRE ALARM STROBE	+94" / CEILING	2.	WF	WATER FLOOD INDICATOR		
S CLG	CONCEALED FIRE ALARM STROBE	CEILING			O.S. & Y. VALVE		SEE DIAGRAM
S	CONCEALED FIRE ALARM STROBE WALL	+94"	2.	R	FIRE ALARM RELAY OR SECURITY RELAY		
K	FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.	CM	FIRE ALARM CONTROL MODULE		
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.	MM	FIRE ALARM MONITOR MODULE		
ANN	FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM	TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
V	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.	TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
B	BEAM DETECTOR		MOUNT AS PER MFR.	R	FIRE ALARM RELAY		

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FLOOR BOX SCHEDULE

TYPE	DESCRIPTION	MFR.	CATALOG NUMBER
FB08	MULTI-SERVICE RECESSED EIGHT-COMPARTMENT FLOOR BOXES WITH (3) 1-GANG COMPARTMENTS FOR POWER, (1) 1-GANG COMPARTMENT FOR DATA, (2)-GANG FOR SPARE, (2) 1-GANG COMPARTMENTS FOR AV WHERE INDICATED. INCLUDE MUDCAP, DEVICE PLATES, BLANK PLATES, MOUNTING BRACKETS, SPACERS AND COVER ASSEMBLIES. PROVIDE FLUSH TILE ASSEMBLIES. SEE SECTION 26 2726, WIRING DEVICES AND 271500 TELEPHONE/DATA SYSTEM. PROVIDE NUMBER OF DEVICES INDICATED IN DRAWINGS WITH A MINIMUM OF (3) DUPLEX RECEPTACLES. MINIMUM OF TYPE "L-2" DATA OUTLET UNLESS OTHERWISE NOTED, AND CONDUITS REQUIRED FOR AV INFRASTRUCTURE IN EACH FLOOR BOX. STUB (2) SPARE 1-1/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING WITHIN ROOM AND LABEL "SPARE FLOOR BOX CONDUIT"	WIREMOLD	EFBBS-OG-SCBA-XX-XX

FLOOR BOX GENERAL NOTES

1. PROVIDE FLOOR BOX WITHIN CONCRETE FLOOR SLAB AS SHOWN (REVIEW ARCHITECTURAL AND ELECTRICAL DRAWINGS). PRIOR TO PLACING CONCRETE SLAB, HOLD A COORDINATION WITH ELECTRICIAN, CONCRETE SUBCONTRACTOR, AND A REPRESENTATIVE FROM THE SCHOOL DISTRICT'S FURNITURE VENDOR TO REVIEW ELECTRICAL REQUIREMENTS AND FINAL ELECTRICAL FURNITURE IN-FEED LOCATIONS.
2. PROVIDE ALL NECESSARY FLOOR BOX ACCESSORIES REQUIRED FOR POWER, DATA, AND AV DEVICES.
3. COORDINATE FINAL FINISHES WITH ARCHITECT

EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:

1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER, COORDINATE WITH MOTOR TYPE
14. SOLID STATE SOFT-STARTER

RESPONSIBILITY LEGEND:

A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTION UNDER DIVISION 26(16)
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION

CB = CIRCUIT BREAKER

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR
NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL. ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING.
NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

UNIT	#	DESCRIPTION	ELECTRICAL EQUIPMENT INFORMATION							CONDUIT SIZE	WIRE				OCPD			REMARKS
			LOAD								SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS	STARTER/ DISC/ VFD OTHER (SEE NOTES)	
			HP	FLA	MCA	VA	VOLTAGE	PHASE	FULL LOAD AMPS									
AH	1	AIR HANDLER UNIT [AH-1]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	15 A	0 A	
AH	2	AIR HANDLER UNIT [AH-2]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	15 A	0 A	
B	1	BOILER [B-1]	0.00	0 A	0 A	1700 VA	120 V	1	14.2 A	3/4"	1	2	12	12	CB	20 A	4 A	
B	2	BOILER [B-2]	0.00	0 A	0 A	1700 VA	120 V	1	14.2 A	3/4"	1	2	12	12	CB	20 A	4 A	
BC	1	BOILER CONTROLS [BC-1]	0.00	12 A	0 A	0 VA	120 V	1	12.0 A	3/4"	1	2	12	12	CB	20 A	11 A	
BC	2	BOILER CONTROLS [BC-2]	0.00	12 A	0 A	0 VA	120 V	1	12.0 A	3/4"	1	2	12	12	CB	20 A	11 A	
CH	1	CHILLER [CH-1]	0.00	0 A	268.8 A	0 VA	480 V	3	215.0 A	2 1/2"	1	3	350	3	CB	350 A	9 B	
CH	1.1	CHILLER CONTROLLS [CH-1.1]	0.00	0 A	0 A	500 VA	120 V	1	4.2 A	3/4"	1	2	12	12	CB	20 A	11 A	
CT	1	COOLING TOWER [CT-1]	7.50	0 A	0 A	0 VA	480 V	3	11.0 A	3/4"	1	3	12	12	CB	20 A	7 A	
CT-120V	1.1	COOLING TOWER CONTROLS [CT-120V]	0.00	0 A	0 A	500 VA	120 V	1	4.2 A	3/4"	1	2	12	12	CB	20 A	0 A	
CT-SP	1	CT SUMP PUMP HEATER [CT-SP]	0.00	0 A	0 A	10000 VA	480 V	3	12.0 A	3/4"	1	3	12	12	CB	20 A	7 A	
CU	1	SPLIT SYSTEM OUTDOOR UNIT [CU-1]	0.00	0 A	9.1 A	0 VA	208 V	1	7.3 A	3/4"	1	2	12	12	CB	15 A	2 A	
CU	2	SPLIT SYSTEM OUTDOOR UNIT [CU-2]	0.00	0 A	9.1 A	0 VA	208 V	1	7.3 A	3/4"	1	2	12	12	CB	15 A	2 A	
CU	3	SPLIT SYSTEM OUTDOOR UNIT [CU-3]	0.00	0 A	9.1 A	0 VA	208 V	1	7.3 A	3/4"	1	2	12	12	CB	15 A	2 A	
CU	4	SPLIT SYSTEM OUTDOOR UNIT [CU-4]	0.00	0 A	9.1 A	0 VA	208 V	1	7.3 A	3/4"	1	2	12	12	CB	15 A	2 A	
CU	5	SPLIT SYSTEM OUTDOOR UNIT [CU-5]	0.00	0 A	9.1 A	0 VA	208 V	1	7.3 A	3/4"	1	2	12	12	CB	15 A	2 A	
CUH	1	HYDRONIC UNIT HEATER [CUH-1]	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
CUH	2	HYDRONIC UNIT HEATER [CUH-2]	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
CWT	1	CHEMICAL FEED SYSTEM [CWT-1]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	20 A	0 A	
DCP	1	DOMESTIC CIRCULATING PUMP [DCP-1]	0.00	4.4 A	0 A	0 VA	120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
DCP	2	DOMESTIC CIRCULATING PUMP [DCP-2]	0.00	4.4 A	0 A	0 VA	120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
DCP	3	DOMESTIC CIRCULATING PUMP [DCP-3]	0.00	4.4 A	0 A	0 VA	120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	1	EXHAUST FAN [EF-1]	1.00	0 A	0 A	0 VA	120 V	1	16.0 A	3/4"	1	2	12	12	CB	25 A	4 A	
EF	2	EXHAUST FAN [EF-2]	1.00	0 A	0 A	0 VA	120 V	1	16.0 A	3/4"	1	2	12	12	CB	25 A	4 A	
EF	3	EXHAUST FAN [EF-3]	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	4	EXHAUST FAN [EF-4]	0.00	1.1 A	0 A	0 VA	120 V	1	1.1 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	5	EXHAUST FAN [EF-5]	0.00	1.1 A	0 A	0 VA	120 V	1	1.1 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	6	EXHAUST FAN [EF-6]	0.50	0 A	0 A	0 VA	208 V	1	5.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	7	EXHAUST FAN [EF-7]	0.00	1.1 A	0 A	0 VA	120 V	1	1.1 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	8	EXHAUST FAN [EF-8]	0.00	1.1 A	0 A	0 VA	120 V	1	1.1 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	10	EXHAUST FAN [EF-10]	0.00	1 A	0 A	0 VA	120 V	1	1.0 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	11	EXHAUST FAN [EF-11]	0.00	7.2 A	0 A	0 VA	120 V	1	7.2 A	3/4"	1	2	12	12	CB	15 A	4 A	
EUH	1	CABINET UNIT HEATER [EUH-1]	0.00	0 A	0 A	3000 VA	208 V	1	14.4 A	3/4"	1	2	12	12	CB	25 A	2 A	
FCU	1	FAN COIL [FCU-1]	0.00	0 A	2.5 A	0 VA	120 V	1	2.0 A	3/4"	1	2	12	12	CB	15 A	4 A	
FCU	2	FAN COIL [FCU-2]	0.00	0 A	2.5 A	0 VA	120 V	1	2.0 A	3/4"	1	2	12	12	CB	15 A	4 A	
FCU	3	FAN COIL [FCU-3]	0.00	0 A	5 A	0 VA	120 V	1	4.0 A	3/4"	1	2	12	12	CB	15 A	4 A	
GFS	1	GLYCOL FEED SYSTEM [GFS-1]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	20 A	0 A	
GFS	2	GLYCOL FEED SYSTEM [GFS-2]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	20 A	0 A	
MAU	1	MAKE-UP AIR HANDLER UNIT [MAU-1]	1.00	0 A	0 A	0 VA	480 V	3	2.1 A	3/4"	1	3	12	12	CB	15 A	7 B	INTERLOCK WITH KITCHEN HOOD CNTRL PANEL
MAU	2	MAKE-UP AIR HANDLER UNIT [MAU-2]	1.00	0 A	0 A	0 VA	480 V	3	2.1 A	3/4"	1	3	12	12	CB	15 A	7 B	INTERLOCK WITH KITCHEN HOOD CNTRL PANEL
P	1	PUMP [P-1]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
P	2	PUMP [P-2]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
P	3	PUMP [P-3]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
P	4	PUMP [P-4]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
P	5	PUMP [P-5]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
P	6	PUMP [P-6]	10.00	0 A	0 A	0 VA	480 V	3	14.0 A	3/4"	1	3	12	12	CB	25 A	9 A	
RF	1	ROOF RELIEF FAN [RF-1]	2.00	0 A	0 A	0 VA	208 V	3	7.5 A	3/4"	1	3	12	12	CB	15 A	9 B	
RF	2	ROOF RELIEF FAN [RF-2]	2.00	0 A	0 A	0 VA	208 V	3	7.5 A	3/4"	1	3	12	12	CB	15 A	9 B	
RF	3	ROOF RELIEF FAN [RF-3]	2.00	0 A	0 A	0 VA	208 V	3	7.5 A	3/4"	1	3	12	12	CB	15 A	9 B	
RF	4	ROOF RELIEF FAN [RF-4]	2.00	0 A	0 A	0 VA	208 V	3	7.5 A	3/4"	1	3	12	12	CB	15 A	9 B	
RF-RTU	3	ROOF EXHAUST FAN [RF-RTU-3]	0.00	0 A	17.4 A	0 VA	480 V	3	13.9 A	3/4"	1	3	12	12	CB	25 A	2 A	
RTU	3	ROOFTOP UNIT LIGHTING & OUTLET [RTU-3]	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	15 A	11 A	
SF-AH	1	SUPPLY FAN-AH-1 [SF-AH-1]	0.00	0 A	43.8 A	0 VA	480 V	3	35.0 A	3/4"	1	3	6	8	CB	60 A	2 A	
SF-AH	2	SUPPLY FAN-AH-2 [SF-AH-2]	0.00	0 A	57.6 A	0 VA	480 V	3	46.1 A	1"	1	3	4	8	CB	70 A	2 A	
SF-RTU	3	SUPPLY FAN-RTU-3 [SF-RTU-3]	0.00	0 A	29.4 A	0 VA	480 V	3	23.5 A	3/4"	1	3	10	10	CB	40 A	2 A	
TF	1	FLUID FILTER [TF-1]	5.00	0 A	0 A	0 VA	480 V	3	7.6 A	3/4"	1	3	12	12	CB	15 A	2 A	STARTER BY DIVISION 23
UH	1	HOT WATER UNIT HEATER [UH-1]	0.00	0.7 A	0 A	0 VA	120 V	1	0.7 A	3/4"	1	2	12	12	CB	15 A	4 A	
UH	2	HOT WATER UNIT HEATER [UH-2]	0.00	0.7 A	0 A	0 VA	120 V	1	0.7 A	3/4"	1	2	12	12	CB	15 A	4 A	
UH	3	HOT WATER UNIT HEATER [UH-3]	0.00	0.7 A	0 A	0 VA	120 V	1	0.7 A	3/4"	1	2	12	12	CB	15 A	4 A	
WH	2	WATER HEATER [WH-2]	0.00	2 A	0 A	0 VA	120 V	1	2.0 A	3/4"	1	2	12	12	CB	15 A	0 A	
WH	3	WATER HEATER [WH-3]	0.00	15 A	0 A	0 VA	120 V	1	15.0 A	3/4"	1	2	12	12	CB	25 A	0 A	
WS	1	WATER SOFTENER [WS-1]	0.00	3 A	0 A	3 VA	120 V	1	0.0 A	3/4"	1	2	12	12	CB	20 A	0 A	
WS	1	WATER SOFTENER [WS-1]	0.00	3 A	0 A	3 VA	120 V	1	0.0 A	3/4"	1	2	12	12	CB	20 A	0 A	

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CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002



DATE	REVISION

ELECTRICAL SCHEDULES AND NOTES

E002

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: DRAYTON BAILEY

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
A4H	2'X4' LED FLAT PANEL LUMINAIRE; HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H; SCRATCH AND IMPACT RESISTANT; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 100,000 HOUR (L70); DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT [HIGH, 4000K]	ILP	VPAN24-33L/44L/55L-U-CCTS	277 V	49 VA	LED	6,466	4000 K	80+
A4HE	SAME AS A4H + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	VPAN24-33L/44L/55L-U-CCTS-EM10/HE/SD	277 V	49 VA	LED	6,466	4000 K	80+
A4M	2'X4' LED FLAT PANEL LUMINAIRE; HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS; ULTRA-THIN <2" H; SCRATCH AND IMPACT RESISTANT; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 100,000 HOUR [L70]; DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT [MEDIUM, 4000K]	ILP	VPAN24-33L/44L/55L-U-CCTS	277 V	38 VA	LED	5,191	4000 K	80+
A4ME	SAME AS A4M + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	VPAN24-33L/44L/55L-U-CCTS-EM10/HE/SD	277 V	38 VA	LED	5,191	4000 K	80+
B2M	2'X2' LED FLAT PANEL LUMINAIRE; HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H; SCRATCH AND IMPACT RESISTANT; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 100,000 HOUR [L70]; DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT [MEDIUM, 4000K]	ILP	VPAN22-22L/33L/44L-U-CCTS	277 V	30 VA	LED	4,156	4000 K	80+
D4A	4" RECESSED ADJUSTABLE ROUND LED DOWNLIGHT; ADJUSTABLE 0-40° WITH 361° ROTATION, FRAME + TRIM KIT; 50 DEG. CLEAR SPECULAR TRIM+ SOFT LENS; 50,000 HOUR [L70]; 10 YR WARRANTY; 0-10 DIMMING; PROVIDE 0-10 DIMMING SWITCH WITHIN SWITCHING CABINET	CONTECH	LFR-4RA-M-35L-40K-8-WD-DM1/LFR-4RA-T-SS/LFR-4RD-H	120 V	30 VA	LED	2,732	4000 K	90+
DC	SURFACE MOUNTED DISPLAY CABINET LINEAR LED LUMINAIRE; DIFFUSED LENS; WIDE 110 DEGREE OPTIC; REMOTE DRIVER; 50,000 HOUR [L70]; 5 YR. WARRANTY; 0-10 DIMMING; FIELD MEASURE CABINET LENGTH BEFORE ORDERING; CONTRACTOR TO PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING SWITCHES, ETC. REQUIRED FOR A COMPLETE AND WORKING SYSTEM; COORDINATE ROUGH-IN WITH DISPLAY CASE MANUFACTURER/INSTALLER FOR SURFACE MOUNTING DETAIL AND PROVIDE ALL JUMPERS AS NEEDED FOR DIVIDED CASE SECTIONS. MAGNETIC CLIPS NOT ACCEPTABLE	ACOLYTE	CHAS3-F-SV-RB-90-SWS220-5.0-35-*-#FT(PER PLANS)+DRIVER/PS	277 V	5 VA	465LM/FT LED, 3500K CCT, 90+ CRI [WATTS = 5W/FT]	4,650	4000 K	90+
EH	4' LINEAR VAPORTITE LED LUMINAIRE; RUGGED FROSTED POLYCARBONATE LENS; DURABLE POLYCARBONATE HOUSING; MULTI-MOUNTING HARDWARE; 100,000 HOUR [L70]; DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT [MEDIUM, 4000K]; PROVIDE A TOTAL OF [3] FIXTURES WALL MOUNTED THROUGHOUT ELEVATOR SHAFT	COLUMBIA	CVT4-LSCS-MV	120 V	46 VA	LED	6,532	4000 K	80+
HB18B	HIGH EFFICIENT HIGH BAY LED LUMINAIRE; DIE-CAST ALUMINUM HOUSING; PRECISION 120 DEGREE BEAM ANGLE; DIFFUSED LENS FOR GLARE REDUCTION; IMPACT RESISTANT LENS; IK06 RATED; BLACK HOUSING; FLICKER-FREE; 100,000 HOUR [L70]; DLC PREMIUM; 5 YR. WARRANTY; 0-10 DIMMING; PENDANT MOUNT ABOVE STAGE AND BELOW DUCT WORK	ILP	EDV2-18L-U-40-PFL-BLK-AC10Y	277 V	130 VA	LED	18,722	4000 K	80+
HB30	HIGH EFFICIENT HIGH BAY LED LUMINAIRE; DIE-CAST ALUMINUM HOUSING; PRECISION 120 DEGREE BEAM ANGLE; DIFFUSED LENS FOR GLARE REDUCTION; IMPACT RESISTANT LENS; IK06 RATED; WHITE HOUSING; FLICKER-FREE; 100,000 HOUR [L70]; DLC PREMIUM; 5 YR. WARRANTY; 0-10 DIMMING; PENDANT MOUNT FLUSH WITH BOTTOM OF FIXTURES MOUNTED TO TRUSS	LINMORE	AH10S-A2-30K-MD-40-80-FR-LV-CRM-10CW-S-10V/CABLEKIT/XX[VERIFY CABLE LENGTH] 30,800 LUMEN LED, 4000K CCT, 80+ CRI [WATTS = 220]	277 V	220 VA	LED	30,800	4000 K	80+
K4	NSF/ANSI CERTIFIED 2'X4' LED FLAT PANEL LUMINAIRE; HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H; SCRATCH AND IMPACT RESISTANT; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 100,000 HOUR [L70]; DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT [HIGH, 4000K]	ILP	VPAN24-50L/65L/80L-U-CCTS-NSF	277 V	57 VA	LED	7,914	4000 K	80+
K4E	SAME AS K4 + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	VPAN24-50L/65L/80L-U-CCTS-NSF-EM10/HE/SD	277 V	57 VA	LED	7,914	4000 K	80+
L1MP	1' ARCHITECTURAL STYLED LINEAR LED PENDANT LUMINAIRE; EXTRUDED ALUMINUM HOUSING; HIGH TRANSMISSION FROSTED LENS; DIRECT LIGHT ONLY; POWERED SUSPENSION SYSTEM; 60,000 HOUR [L80]; 5 YR WARRANTY; 0-10 DIMMING; COORDINATE SUSPENSION HEIGHT WITH ARCHITECT	TEMPO	LSDTHN-1-CS-3-40K-VLO-UNV-1D-SCBA-SCBA-SCBA-44-SCBA-PPS-4-XX-MO UNT TYPE AND COLOR BY ARCHITECT	277 V	12 VA	LED	1,134	4000 K	80+
L2MNP	2' HIGH-PERFORMANCE LINEAR LED PENDANT LUMINAIRE; DIRECT HIGH-EFFICIENCY LENS; BATWING FIXTURE 55° DIRECT BEAM PATTERN; LENS SHALL BE CONTINUOUS [NO BREAKS]; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; 60,000 HOUR [L80]; 5 YR WARRANTY; 0-10 DIMMING; SUSPEND BETWEEN BAFFLE CEILING SYSTEM SO TO BE EVEN WITH HANGING BAFFLES	XICO	P8E2-P-#FT[SEE PLANS]-SCBA-E1-OFL-S80-40-DBW50-75-NN-NN-UNV-FD01-NN-NN-MOUNT TYPE AND COLOR BY ARCHITECT	277 V	5 VA	750LM/FT LED, 4000K CCT, 80+ CRI [WATTS = 5.26W/FT]	750	4000 K	80+
L2MP	2' HIGH-PERFORMANCE LINEAR LED PENDANT LUMINAIRE; DIRECT HIGH-EFFICIENCY LENS; BATWING FIXTURE 60° DIRECT BEAM PATTERN; LENS SHALL BE CONTINUOUS [NO BREAKS]; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; 60,000 HOUR [L80]; 5 YR WARRANTY; 0-10 DIMMING; SUSPEND BETWEEN BAFFLE CEILING SYSTEM SO TO BE EVEN WITH HANGING BAFFLES	XICO	P8E2-P-#FT[SEE PLANS]-SCBA-E1-OFL-S80-40-DBW60-75-NN-NN-UNV-FD01-NN-NN-MOUNT TYPE AND COLOR BY ARCHITECT	277 V	4 VA	750LM/FT LED, 4000K CCT, 80+ CRI [WATTS = 4.47W/FT]	750	4000 K	80+
L2MPE	SAME AS L2MP + 10W LED BATTERY BACKUP	XICO	P8E2-P-#FT[SEE PLANS]-SCBA-E1-OFL-S80-40-DBW60-75-NN-NN-UNV-FD01-EMB-NN-NN-MO UNT TYPE AND COLOR BY ARCHITECT	277 V	4 VA	750LM/FT LED, 4000K CCT, 80+ CRI [WATTS = 4.47W/FT]	750	4000 K	80+
L3VP	3' HIGH-PERFORMANCE LINEAR LED PENDANT LUMINAIRE; DIRECT HIGH-EFFICIENCY LENS; BATWING FIXTURE 55° DIRECT BEAM PATTERN; LENS SHALL BE CONTINUOUS [NO BREAKS]; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; 60,000 HOUR [L80]; 5 YR WARRANTY; 0-10 DIMMING; SUSPEND BETWEEN BAFFLE CEILING SYSTEM SO TO BE EVEN WITH HANGING BAFFLES	XICO	P8E3-P-#FT[SEE PLANS]-SCBA-E1-OFL-S80-40-DM55-150-NN-NN-UNV-FD01-NN-NN-MOUNT TYPE AND COLOR BY ARCHITECT	277 V	11 VA	1,500LM/FT LED, 4000K CCT, 80+ CRI [WATTS = 10.5W/ft]	1,500	4000 K	80+
L4HD	4'X4' LED FLAT PANEL LUMINAIRE; GLARE-FREE; NARROW BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; L70 > 100,000HRS; WARRANTY; 0-10 DIMMING	ILP	DNT4-40L-U-40+DNT4-FLGK-WHT	277 V	33 VA	4,336 LUMEN LED, 4000K CCT, 80+ CRI			80+
L4HDE	SAME AS L4HD + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	DNT4-40L-U-40-EM10+DNT4-FLGK-WHT	277 V	33 VA	4,336 LUMEN LED, 4000K CCT, 80+ CRI			80+
L4HDOE	SAME AS L4HD + 10W LED SELF-DIAGNOSING BATTERY BACKUP+INTEGRATED OCCUPANCY SENSOR	ILP	DNT4-40L-U-40-EM10-ESMC-+DNT4-FLGK-WHT	277 V	33 VA	4,336 LUMEN LED, 4000K CCT, 80+ CRI 4,336 LUMEN LED, 4000K CCT, 80+ CRI			80+
L4MD	4'X4' LED FLAT PANEL LUMINAIRE; GLARE-FREE; NARROW BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; L70 > 100,000HRS; WARRANTY; 0-10 DIMMING	ILP	DNT4-30L-U-40+DNT4-FLGK-WHT	277 V	24 VA	3339 LUMEN LED, 4000K CCT, 80+ CRI			80+
L4MDE	SAME AS L4MD + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	DNT4-30L-U-40+DNT4-EM10-FLGK-WHT	277 V	24 VA	3,323 LUMEN LED, 4000K CCT, 80+ CRI			80+
L8MD	4'X8' LED FLAT PANEL LUMINAIRE; GLARE-FREE; NARROW BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; L70 > 100,000HRS; WARRANTY; 0-10 DIMMING	ILP	DNT8-60L-U-40+DNT8-FLGK-WHT	277 V	68 VA	7160 LUMEN LED, 4000K CCT, 80+ CRI			80+
L8MDE	SAME AS L8MD + 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	DNT8-60L-U-40-EM10+DNT8-FLGK-WHT	277 V	68 VA	8,569 LUMEN LED, 4000K CCT, 80+ CRI			80+
LPL	FLAG POLE WITH INTEGRATED LED LIGHT POLE LIGHT; WIRE PER MANUFACTURERS INSTRUCTIONS	NA	NA	120 V	60 VA	LED	2,000	4000 K	80+
OD6	EXTERIOR 6" RECESSED ROUND LED DOWNLIGHT; NEW CONSTRUCTION; SHALLOW HEIGHT <6.5"; FRAME + TRIM KIT; SELF-FLANGED; 50° WIDE FLOOD OPTIC; SOFT DIFFUSED LENS, WET LOCATION LISTED; 60,000 HOUR [L80]; 5 YR WARRANTY; 0-10 DIMMING; SCBA; CENTER IN SOFFT CEILING PANEL; PAINT TRIM MATCH CEILING AS PER ARCHITECT	LUMENWERX	EC6RR-TRM-SW-OF-ASB-UNV-28W-D1/EC4RRB-SW-28W-50DEG-3STP-80CR I-40K-NA-TRM-SDL-SCBA-SCBA-WET	277 V	28 VA	LED	3,000	4000 K	80+

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: DRAYTON BAILEY

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
OD6E	SAME AS OD6 + 10W LED SELF-DIAGNOSING BATTERY BACKUP	LUMENWERX	EC6RR-TRM-SW-OF-ASB-UNV-28W-DE/EC4RRB-SW-28W-50DEG-3STP-80C RI-40K-NA-TRM-SDL-SCBA-SCBA-WET	277 V	28 VA	LED	3,000	4000 K	80+
OLDH	PREMIUM EXTERIOR LED LINEAR LUMINAIRE (TAPE AND EXTRUSION); .89" W X .62" H; DIFFUSED LENS; WIDE OPTIC; IP66 RATED; COORDINATE OPENING, LOCATION, AND MECHANICALLY FASTEN TO BETWEEN ARCHITECTURAL CEILING AND FRAMING; FIELD MEASURE TO GET ACCURATE SIZES PRIOR TO ORDERING; PROVIDE FACTORY SHOP DRAWINGS SHOWING CONTINUOUS FIXTURE LENGTHS; REMOTE DRIVERS; VERIFY FIELD CONDITIONS; 50,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; SCBA	ACOLYTE	CHAS6-M-SV-RB-90-SWS265-5.0-40K-*-#FT(PER PLANS) + 0-10V DRIVER	277 V	6 VA	554 LUMEN/FT, 6 W/FT, 4000K CCT, 90+ CRI [WATTS = 6W/FT]	554	4000 K	90+
OP12	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T2 OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-2-UNV-XX-SCBA-BC-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	115 VA	15,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP12H	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE W/BACKLIGHT CONTROL; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T2 OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-2-UNV-XX-SCBA-BC-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	115 VA	15,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP12S	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T2 OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 5.4 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-75-4K7-2-UNV-XX-SCBA-BTS-40F+RTA20B6B4-SCBA+VIBRATION DAMPENING	277 V	75 VA	10,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP13	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE W/BACKLIGHT CONTROL; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T3 OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-3-UNV-XX-SCBA-BC-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	115 VA	15,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP14H	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE W/BACKLIGHT CONTROL; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T4 FOWARD OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-4F-UNV-XX-SCBA-BC-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	115 VA	15,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP24	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE W/BACKLIGHT CONTROL; DIE-CAST & EXTRUDED ALUMINUM HOUSING; T4 WIDE OPTICS; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; DUAL-HEADED LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-4W-UNV-XX-SCBA-BC-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	230 VA	30,000 TOTAL LUMEN LED, 4000K CCT, 70+ CRI			70+
OPLC	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE LEFT CORNER CUTOFF OPTICS; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MINIMUM EPA 9.0 @ 120; DLC PREMIUM; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING	BEACON+HAPCO	VP-1-160L-115-4K7-LCCO-UNV-XX-SCBA-BTS-40F+RTA25C7B4-SCBA+VIBRATION DAMPENING	277 V	115 VA	12,613 LUMEN LED, 4000K CCT, 70+ CRI			70+
OWP6	ARCHITECTURAL STYLED WALL MOUNTED LED WALLPACK; DIE-CAST & EXTRUDED ALUMINUM HOUSING; LOW GLARE & VISUAL COMFORT LENS; TYPE 3 DISTRIBUTION; FULL CUTOFF; IP65 RATED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; BLUETOOTH PROGRAMMABLE, PIR OCCUPANCY/DAYLIGHT SENSOR; UP TO 12' MOUNTING; 50% AFTER 10 PM]	BEACON	VPW2-80L-45-4K7-3-UNV-SCBA-BTSO-12F-CS	277 V	42 VA	LED	6,000	4000 K	70+
OWP6E	SAME AS OWP6 + 14W LED SELF-DIAGNOSING BATTERY BACKUP	BEACON	VPW2-80L-45-4K7-3-UNV-SCBA-BTSO-12F-CS-E	277 V	42 VA	LED	6,000	4000 K	70+
SL4C	4' CHAIN MOUNTED LINEAR LED STRIPLIGHT; FLAT, FROSTED ACRYLIC LENS; 60,000 HOUR (L80); DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING	COLUMBIA	MPS4-40VL-FW-EDU/CSHC	277 V	47 VA	LED	6,800	4000 K	80+
SL4CE	SAME AS SL4C + 10W LED SELF-DIAGNOSING BATTERY BACKUP	COLUMBIA	MPS4-40VL-FW-ED-U-ELL14/CSHC	277 V	47 VA	LED	6,800	4000 K	80+
SL4W	4' WALL MOUNTED LINEAR LED STRIPLIGHT; FLAT, FROSTED ACRYLIC LENS; 80,000 HOUR (L70); DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING	COLUMBIA	MPS4-40VL-FW-EDU-XX	277 V	47 VA	LED	6,800	4000 K	80+
SL4WO	4' WALL MOUNTED LINEAR LED STRIPLIGHT INTEGRAL OCCUPANCY SENSOR - AUTO ON/OFF; FLAT, FROSTED ACRYLIC LENS; 80,000 HOUR (L70); DLC LISTED; 5 YR. WARRANTY; 0-10 DIMMING	COLUMBIA	MPS4-40VL-CW-EDU-NXCS	277 V	20 VA	LED	6,800	4000 K	80+
SRD6	6" ROUND SURFACE MOUNTED ROUND LED LUMINAIRE; DURABLE CAST ALUMINUM LOW PROFILE OF <1/2"; LOW GLARE POLYCARBONATE LENS; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	PRESCOLITE	LBSES-6RD-CS9-WH	<varies>	13 VA	1100 LUMEN LED, 4000K CCT, 80+ CRI	<varies>	<varies>	80+
SRDBO	8" ROUND (6" LENS) SURFACE MOUNTED LED LUMINAIRE W/ PIR SENSOR; LOW PROFILE; DAMP RATED, MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; FIELD SELECTABLE CCT (40K)	PORTOR	PT-DMS-6I-15W-5CCT	120 V	15 VA	900 LUMEN LED, 4000K CCT, 80+ CRI			80+
THB	LED TRACK HEAD	CONTECH	NTEK70-9053-F-3C-D-SCBA/LF16A-SL/B/R	120 V	20 VA	LED	2,123	3000 K	90+
THW	INTENSE LIGHTING LED TRACK HEAD	CONTECH	NTEK70-9054-F-3C-D-SCBA/LF16A-SL/B/R	120 V	34 VA	LED	3,541	3000 K	90+
TRB	PROFESSIONAL SERIES TWO CIRCUIT/TWO NEUTRAL 120V TRACK SYSTEM; SURFACE; PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING SWITCHES, ETC REQUIRED FOR A COMPLETE AND WORK

INTERIOR LIGHTING
EXTERIOR LIGHTING
EGRESS LIGHTING
RAISE
LOWER
ALL OFF

WALLSTATION 'LC1' CONFIGURATION

ENGRAVING	PROGRAMMING
INTERIOR LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF RELAYED CONTROLLED INTERIOR LIGHTS.
EXTERIOR LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF EXTERIOR AND VESTIBULE BUILDING LIGHTS.
EGRESS LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF EMERGENCY RELAYED CONTROLLED INTERIOR LIGHTS.
RAISE	BUTTON SHALL RAISE LIGHTING LEVELS DAYLIGHT ZONES.
LOWER	BUTTON SHALL LOWER LIGHTING LEVELS IN DAYLIGHT ZONES.
ALL OFF	BUTTON SHALL TURN OFF ALL RELAYED CONTROLLED LIGHTING.

CONTROL SEQUENCE

ALL LIGHTS CONTROLLED BY THE BUILDING RELAY PANELS SHALL BE PROGRAMMED TO MEET THE REQUIREMENTS OF THE IECC 2021. INTERIOR AND EXTERIOR LIGHTING SHALL BE SCHEDULED TO BE TURNED ON/OFF AT SCHEDULED TIMES. COORDINATE WITH OWNER FOR EXACT SCHEDULING REQUIREMENTS. WALLSTATION 'LC1' SHALL BE UTILIZED TO OVERRIDE PROGRAMMED SCHEDULES AS NEEDED. OVERRIDE TO LAST UP TO 4 HOURS.

ENTRY DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS BASED ON AVAILABLE NATURAL LIGHT LEVELS.

NORTH MULTIPURPOSE ROOM

ALL ON
HALF
RAISE
LOWER
ALL OFF
EM ONLY

WALLSTATION 'LC2' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL RELAYS WITHIN THE SPACE, ALL DIMMING ZONES TO 100%.
HALF	BUTTON SHALL TOGGLE ON/OFF LIGHTING WITHIN THE EAST GYM, DIMMING ZONES TO 100%.
RAISE	PRESS AND HOLD - INCREASE ALL DIMMING ZONES LEVELS WITHIN THE EAST GYM
LOWER	PRESS AND HOLD - DECREASE ALL DIMMING ZONES LEVELS WITHIN THE EAST GYM
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF WITHIN THE EAST GYM.
EM ONLY	BUTTON SHALL TOGGLE ON/OFF EGRESS LIGHTING EAST GYM, DIMMING ZONES TO 100%

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. MASTER CLOCK TO TURN OFF LIGHTS AFTER SCHEDULED TIME. SEE RELAY PANEL SCHEDULE '2RPC' FOR MORE PROGRAMMING REQUIREMENTS.

NORTH MULTIPURPOSE ROOM

ALL ON
HALF
RAISE
LOWER
ALL OFF
EM ONLY

WALLSTATION 'LC3' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ON ALL RELAYS WITHIN THE WEST GYM, ALL DIMMING ZONES TO 100%.
HALF	BUTTON SHALL TOGGLE ON/OFF LIGHTING WITHIN THE WEST GYM, DIMMING ZONES TO 100%.
RAISE	PRESS AND HOLD - INCREASE ALL DIMMING ZONES LEVELS WITHIN THE WEST GYM.
LOWER	PRESS AND HOLD - DECREASE ALL DIMMING ZONES LEVELS WITHIN THE WEST GYM.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF WITHIN THE WEST GYM
EM ONLY	BUTTON SHALL TOGGLE ON/OFF EGREE LIGHTING WEST GYM, DIMMING ZONES TO 100%.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. MASTER CLOCK TO TURN OFF LIGHTS AFTER SCHEDULED TIME. SEE RELAY PANEL SCHEDULE '2RPC' FOR MORE PROGRAMMING REQUIREMENTS.

ALL ON
75% LIGHTS
50% LIGHTS
ALL OFF

WALLSTATION 'LC4' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
75% LIGHTS	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 75%.
50% LIGHTS	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 50%.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. MASTER CLOCK TO TURN OFF LIGHTS AFTER SCHEDULED TIME. SEE RELAY PANEL SCHEDULE '1RPA' FOR MORE PROGRAMMING REQUIREMENTS.

ALL ON
RAISE
LOWER
ALL OFF

WALLSTATION 'RC1' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

ALL ON
TEACHING WALL
QUIET TIME
RAISE
LOWER
ALL OFF

WALLSTATION 'RC2' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ON ALL LIGHTING RELAYS, ALL DIMMING ZONES TO 80% WHEN TOGGLED ON.
TEACHING WALL	BUTTON SHALL TURN OFF RELAYS NEAR TEACHING WALL/AV SCREEN, TOGGLE ALL DIMMERS TO 20%.
QUIET TIME	BUTTON SHALL PUT ALL DIMMING ZONES TO 40%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

HALF LIGHTS
FULL LIGHTS
ALL OFF

WALLSTATION 'RC3' CONFIGURATION

ENGRAVING	PROGRAMMING
HALF LIGHTS	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 50%.
FULL LIGHTS	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE INTEGRAL OCCUPANCY SENSOR SHALL TURN LIGHTING ON TO 50% LIGHT LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE INTEGRAL DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

ALL ON
KITCHEN
SERVING
RAISE
LOWER
ALL OFF

WALLSTATION 'RC4' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
KITCHEN	BUTTON SHALL TOGGLE ON/OFF KITCHEN 'a' LIGHT FIXTURES.
SERVING	BUTTON SHALL TOGGLE ON/OFF SERVING 'b' LIGHT FIXTURES.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

MEDIA CENTER

AV MODE
FULL LIGHTS
RELAX
RAISE
LOWER
ALL OFF

WALLSTATION 'RC5' CONFIGURATION

ENGRAVING	PROGRAMMING
AV MODE	BUTTON SHALL TURN OFF PENDANTS 'e' AND DIM PENDANTS 'c' TO 20%.
FULL LIGHTS	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
RELAX	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 50%, EXCEPT ZONES 'd' AND 'b'
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

MEDIA CENTER

ALL ON	
ENTRY/DESK	a
DESK PEND.	b
PENDANTS	c
PENDANTS	d
PENDANTS	e
ALL OFF	

TOGGLE ON/OFF ZONES

ALL ON
MAIN
PENDANTS
RAISE
LOWER
ALL OFF

WALLSTATION 'RC6' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
MAIN	BUTTON SHALL TOGGLE ON/OFF MAIN 'a' LIGHT FIXTURES.
PENDANTS	BUTTON SHALL TOGGLE ON/OFF PENDANT 'b' LIGHT FIXTURES.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

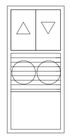
ALL ON
ALL OFF

WALLSTATION 'RC7' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.



WALL SWITCH 'D' CONFIGURATION

ENGRAVING	PROGRAMMING
ON/OFF	BUTTON SHALL TOGGLE ON/OFF LIGHTING LOAD.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE LIGHT LEVELS
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE LIGHT LEVELS

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE INTEGRAL OCCUPANCY SENSOR SHALL TURN LIGHTING ON TO 50% LIGHT LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE, THE INTEGRAL DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCYTIME OUT.

DIAGRAM S001 GENERAL WALLSTATION LAYOUTS & LIGHTING CONTROLS SEQUENCES

NTS

GENERAL DIAGRAM NOTES:

1. ALL PROGRAMING SHALL MEET THE REQUIREMENTS OF THE IECC 2021 OR CURRENT ENERGY CODE APPLIED TO THE PROJECT.
2. THE LIGHTING CONTROLS AS SHOWN ARE BASED UPON WATTSTOPPER LIGHTING CONTROLS. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. SEE PRIOR APPROVAL NOTES.
3. COORDINATE ALL INSTALLATION REQUIREMENTS, CONNECTIONS AND CABLE TYPE WITH THE SUPPLIER PRIOR TO ANY INSTALLATION.
4. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER C405.
5. PROVIDE INTUITIVE BUTTON LABELING TO MATCH APPLICATION AND LOAD/RELAY CONTROLS. PROVIDE FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS AS SELECTED BY ARCHITECT. BASED UPON MANUFACTURER SPECIFIC WALLSTATION TYPES, CONTRACTOR MAY PROVIDE ADJUSTMENTS OR IMPROVEMENTS TO THE CONFIGURATION UPON APPROVAL BY THE OWNER AND ENGINEER.
6. PROGRAM OF ALL LIGHTING CONTROL SYSTEMS AS INDICATED AND/OR AS DIRECTED BY THE ELECTRICAL ENGINEER AND/OR OWNER. MEET WITH THE ELECTRICAL ENGINEER AT THEIR OFFICE PRIOR TO PREPARATION OF SHOP DRAWINGS TO DISCUSS SPECIFIC PROGRAMMING AND ZONING REQUIREMENTS OF SYSTEM(S). EACH NETWORKED OR STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS **NORMAL** POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

LIGHTING RELAY SCHEDULE 1RPB

CABINET SIZE (# OF RELAYS): 14 SPARE... 4

MOUNTI... SURFACE VOLTAGE: 277 CONTROL CIRCUIT: 120 AIC RATING: 22000

RELAY	POWER	EM RELAY	SPACE	PROGRAMMING
1RPB-1	1H81-3	Yes	CORRIDOR A1 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-2	1H81-3	No	CORRIDOR A1	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-3	1H81-3	<varies>	<varies>	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-4	1H81-3	No	<varies>	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-5	1HB1-11	No	SOUTH WEST PARKING	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-7	1HB1-13	Yes	FRONT ENTRY CANOPY	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-8	1HB1-17	Yes	SOUTH EXTERIOR WALL PACK	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-9	1HB1-17	Yes	ENTERY A1 EXTERIOR EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
1RPB-10	1LB2-2	Yes	FLAG POLE	MASTER CLOCK, COORDINATE WITH OWNER

LIGHTING RELAY SCHEDULE 2RPB

CABINET SIZE (# OF RELAYS): 14 SPARE... 4

MOUNTI... SURFACE VOLTAGE: 277 CONTROL CIRCUIT: 120 AIC RATING: 22000

RELAY	POWER	EM RELAY	SPACE	PROGRAMMING
2RPB-1	2H81-3	Yes	CORRIDOR A2 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-2	2H81-3	Yes	CORRIDOR A2	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-3	2H81-3	No	CORRIDOR B2	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-4	2H81-3	Yes	CORRIDOR B2 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-5	2H81-3	Yes	ENTERY A1 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-6	2HB1-13	No	MAIN ENTRY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-7	2HB1-13	Yes	MAIN ENTRY EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-8	2HB1-13	Yes	MAIN STAIRS B2 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPB-9	2HB1-13	No	MAIN STAIRS B2	MASTER CLOCK, COORDINATE WITH OWNER

LIGHTING RELAY SCHEDULE 2RPC

CABINET SIZE (# OF RELAYS): 14 SPARE... 5

MOUNTI... SURFACE VOLTAGE: 120/277 CONTROL CIRCUIT: 120 AIC RATING: 22000

RELAY	POWER	EM RELAY	SPACE	PROGRAMMING
2RPC-1	2HC1-13	No	NORTH GYM	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-2	2HC1-13	No	SOUTH GYM	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-3	2HC1-15	Yes	NORTH GYM EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-4	2HC1-15	Yes	SOUTH GYM EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-5	2HC1-11	No	NORTH EAST PARKING	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-7	2HC1-17	Yes	EAST EXTERIOR	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-8	2HC1-1	No	CORRIDOR C2	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-9	2HC1-1	Yes	CORRIDOR C2 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER
2RPC-10	2HC1-1	Yes	ENTERY C2 EMERGENCY	MASTER CLOCK, COORDINATE WITH OWNER

SENSOR GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSORS AS SHOWN. LOCATE OCCUPANCY SENSORS PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
3. EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
4. UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE FREE INSTALLATION.
5. THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
6. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2021 C405. LOCATE DAYLIGHT SENSORS PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE.
7. PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

APPROVED LIGHTING CONTROLS:

PROVIDE A WATTSTOPPER APPROVED LIGHTING CONTROL SYSTEM

ALTERNATE NO. 1 - ALTERNATIVE LIGHTING CONTROL SYSTEM:

PER SECTION 26 0943 - LIGHTING CONTROL EQUIPMENT, THE BASE LIGHTING CONTROL SYSTEM SHALL BE A WATTSTOPPER SYSTEM. AS AN ALTERNATE, A LUTRON VIVE AND/OR ATHENA LIGHTING CONTROL SYSTEM MAY BE SUBMITTED UNDER ALTERNATE NO. 1, ACCOUNTING FOR ANY ADJUSTMENTS TO THE SYSTEM AND LABOR COSTS. ANY PROPOSED ALTERNATIVE SHALL INCLUDE NECESSARY DRAWING ADJUSTMENTS AND PROVIDE A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS OR EXCEEDS THE PERFORMANCE OF THE SPECIFIED BASIS OF DESIGN

GENERAL PRINCIPLES:

- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.
- OVERALL BUILDING LIGHTING CONTROLS WILL BE RELAY CONTROLLED AND SHALL PRIMARILY FOLLOW A MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINARIES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, COMMON SPACES, VESTIBULES, ETC.) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- TYPICAL ROOM CONTROLLER STYLE BASED LIGHTING CONTROLLER (NON-NETWORKED). PROVIDE REQUIRED RELAYS AND END DEVICES AS NEEDED E.G. OCCUPANCY SENSORS, DAYLIGHT SENSORS, WALLSTATIONS, ETC.

SPECIFIC AREAS:

ALL CLASSROOMS, COMPUTER LAB, RESOURCE, ESSENTIAL ELEMENTS

- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY AND DAYLIGHT SENSORS THAT MANAGE CLASSROOM LIGHTING.
- UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES.
- DAYLIGHT SENSORS WILL AUTOMATICALLY ADJUST LIGHT LEVELS IN DESIGNATED ZONES (PRIMARY AND SECONDARY) BASED ON NATURAL LIGHT AVAILABILITY.
- PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINARIES OPERATE ON THE SAME CIRCUIT AS NORMAL CLASSROOM LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.
- SEE FLOOR PLANS WALLSTATION DIAGRAMS FOR GENERAL CONTROL ZONING AND WALLSTATION SCENCES.

ADMININSTRATION, KITCHEN, AND OTHER SPACES:

- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY SENSORS THAT MANAGE LIGHTING THROUGHOUT THE AREA.
- UPON ENTERING THE SPACE, THE OCCUPANCY SENSOR(S) SHALL TURN LIGHTING ON TO 50% LIGHT LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES.
- DAYLIGHT SENSORS WILL AUTOMATICALLY ADJUST LIGHT LEVELS IN DESIGNATED ZONES (PRIMARY AND SECONDARY) BASED ON NATURAL LIGHT AVAILABILITY.
- PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINARIES OPERATE ON THE SAME CIRCUIT AS NORMAL CLASSROOM LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.
- SEE FLOOR PLANS WALLSTATION DIAGRAMS FOR GENERAL CONTROL ZONING AND WALLSTATION SCENCES.

OFFICES AND GENERAL SUPPORT SPACES (SMALLER ROOMS):

- WALL MOUNTED OCCUPANCY WALLSTATION WITH DAYLIGHTING AND 0-10V DIMMER; LIGHTS AUTOMATICALLY TURN ON TO 50% WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACATED.
- TOGGLE CONTROL BETWEEN ON/OFF. 0-10V DIMMING, RAISE AND LOWER.

MULTI-PURPOSE ROOM - RELAY CONTROLLED:

- MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY. COORDINATE WITH OWNER IF EMERGENCY LIGHT STAY ON ALL AT ALL TIMES.
- UPON ENTERING THE SPACE, THE OCCUPANT MUST TURN THE LIGHTING ON MANUALLY. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES.
- OCCUPANCY SENSOR PLACEMENT WILL FOLLOW MANUFACTURER RECOMMENDATIONS FOR OPTIMAL DETECTION.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINARIES OPERATE ON THE SAME CIRCUIT AS NORMAL LIGHTS. WIRE THROUGH INVERTER AS INDICATED.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.
- SEE FLOOR PLANS WALLSTATION DIAGRAMS FOR GENERAL CONTROL ZONING AND WALLSTATION SCENCES.

WASHROOMS:

- POWER PACK OR WALL MOTION SENSOR BASED.
- UPON ENTERING THE SPACE, THE OCCUPANCY SENSOR(S) SHALL TURN LIGHTING ON TO 100% LIGHT LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OF 20 MINUTES.
- EMERGENCY LUMINARIES OPERATE ON THE SAME CIRCUIT AS NORMAL LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.

VESTIBULES:

- RELAY CONTROLLED. MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- LIGHTING FOLLOWS THE MASTER CLOCK SCHEDULE AND TOUCH PANEL OVERRIDES AS DEFINED ABOVE.
- OCCUPANCY SENSORS TRIGGER CORRIDOR RELAY TO DIM ALL LIGHTS TO 50% AFTER 15 MINUTES OF VACANCY.
- DAYLIGHTING SENSORS IN DESIGNATED ZONES ADJUST LIGHT LEVELS BASED ON AVAILABLE NATURAL LIGHT.
- OCCUPANCY SENSOR PLACEMENT WILL FOLLOW MANUFACTURER RECOMMENDATIONS FOR OPTIMAL DETECTION.

EGRESS VESTIBULES - RELAY CONTROLLED:

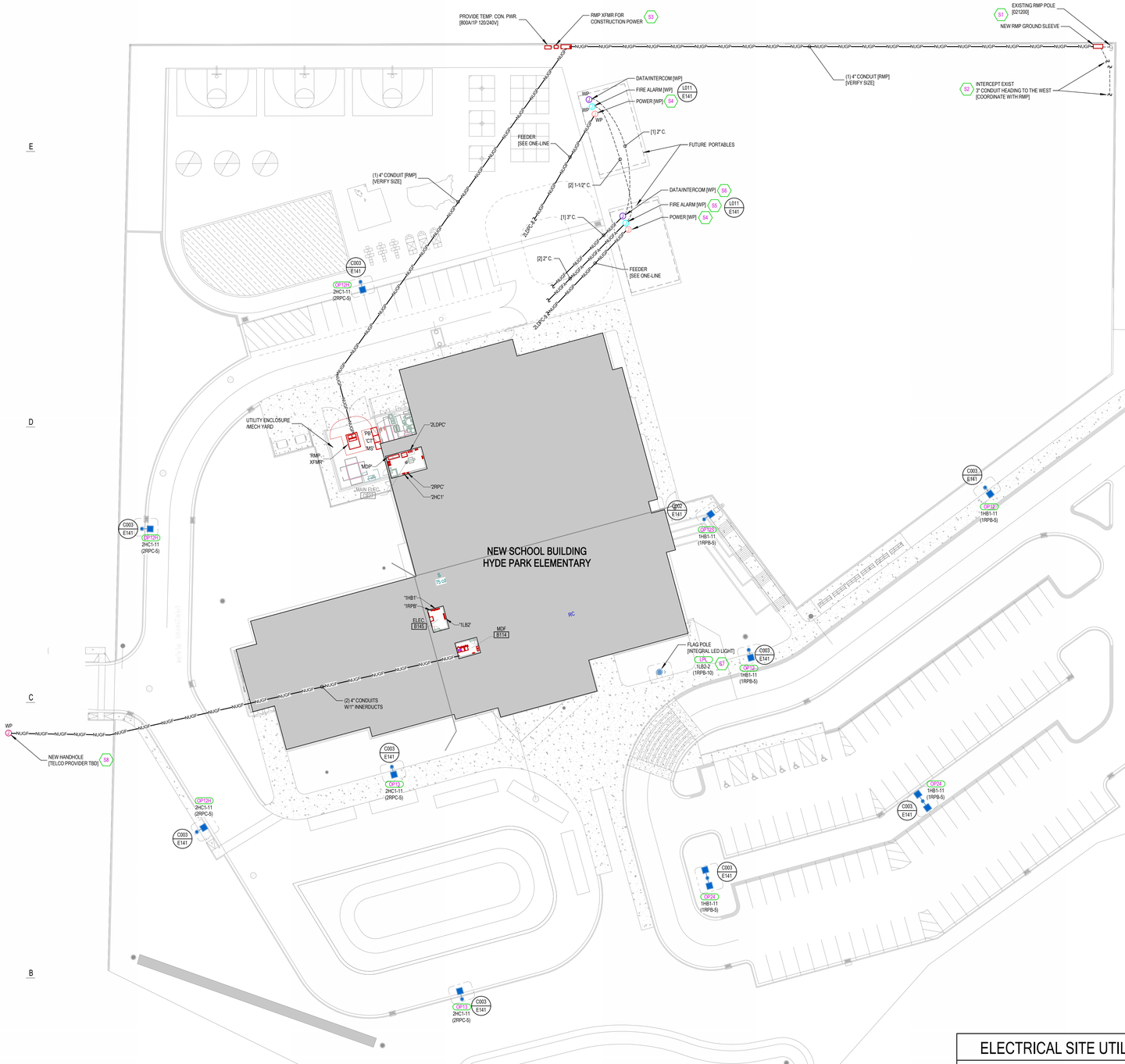
- MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- SAME OPERATION AS VESTIBULES, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

CORRIDORS AND GENERAL CIRULATION AREAS - RELAY CONTROLLED:

- RELAY CONTROLLED. MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- SAME OPERATION AS VESTIBULES, WITH 50% DIM LEVEL TRIGGERED BY OCCUPANCY SENSORS AFTER 15 MINUTES OF INACTIVITY.
- DAYLIGHTING SENSORS ADJUST LIGHT LEVELS AS DESCRIBED ABOVE.

EGRESS CORRIDORS - RELAY CONTROLLED:

- SAME OPERATION AS CORRIDORS, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.
- WIRE EMEGERNCY FIXTURES ACCORDINGLY E.G.FIXTURE BASED AND CIRCUITS RAN THROUGH INV



ELECTRICAL SITE PLAN
SCALE = 1" = 30'-0"

SHEET KEYNOTES

S1 EXISTING RMP POLE AND UTILITY SOURCE POWER FOR THE NEW ELEMENTARY BUILDING. DIVISION 26 SHALL PROVIDE NEW RISERS AND PATHWAYS AS INDICATED AND IN ACCORDANCE WITH RMP ESR REQUIREMENTS. PROVIDE NEW CONDUIT PATHWAY TO NEW GROUND SLEEVES AND THE DIVISION 26-PROVIDED TRANSFORMER VAULT AS SHOWN. COORDINATE GENERAL REQUIREMENTS, EXACT PATHWAYS, AND EASEMENTS WITH RMP AND THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN. FOLLOW RMP OFFICIAL DESIGN DOCUMENTS FOR FINAL PATHWAY AND LAYOUT REQUIREMENTS.

S2 DIVISION 26 SHALL COORDINATE WITH RMP TO INTERCEPT EXISTING 3" UNDERGROUND CONDUIT HEADING WEST. DIVISION 26 SHALL PROVIDE CONDUIT FROM NEW GROUND SLEEVE TO CONDUIT INTERCEPTION POINT AND MAKE A COMPLETE CONDUIT PATHWAY TO NEW GROUND SLEEVE. RMP TO DISCONNECT CONDUCTORS AND REWORK/REROUTE CONDUCTORS TO NEW GROUND SLEEVE.

S3 PROVIDE TEMPORARY CONSTRUCTION POWER IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS AND GENERAL CONTRACTOR REQUIREMENTS. DIVISION 26 SHALL INSTALL METER AND DISTRIBUTION EQUIPMENT FOR TEMPORARY POWER AS REQUIRED FOR THE PROJECT. COORDINATE ALL REQUIREMENTS WITH RMP. ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR SHALL DETERMINE THE FINAL LOCATION FOR TRAILER POWER AND OTHER MISCELLANEOUS TEMPORARY POWER NEEDS.

S4 PROVIDE UNDERGROUND CONCRETE JUNCTION BOX AS SHOWN. PROVIDE (1) 4" CONDUIT WITH PULLSTRING TO SWITCHBOARD '2LDPC' LOCATED IN MAIN ELECTRICAL ROOM C227. PROVIDE (2) 100A 208V 2P BREAKER WITHIN '2LDPC' FOR EACH PORTABLE. LABEL CONDUIT 'POWER FEED FOR FUTURE PORTABLE.

S5 PROVIDE AN UNDERGROUND CONCRETE JUNCTION BOX AS SHOWN. PROVIDE (2) 2" CONDUITS WITH PULLSTRING. FROM JUNCTION BOX TO MAIN FIRE ALARM PANEL (FACP) IN MDF B114. LABEL CONDUIT 'FIRE ALARM FEED FOR FUTURE PORTABLE'.

S6 PROVIDE AN UNDERGROUND CONCRETE JUNCTION BOX AS SHOWN. PROVIDE (1) 2" CONDUIT WITH PULLSTRING. FROM JUNCTION BOX TO MDF B114. LABEL CONDUIT "DATA/INTERCOM FEED FOR FUTURE PORTABLE"

S7 INTEGRAL FLAG POLE LIGHT. FIELD COORDINATE EXACT LOCATION WITH LANDSCAPE DRAWINGS, ARCHITECT, AND OWNER PRIOR TO ROUGH IN. VERIFY ROUGH-IN AND TERMINATION REQUIREMENTS WITH MANUFACTURER'S SHOP DRAWINGS.

S8 PROVIDE (2) 4" CONDUITS, EACH WITH (4) 1" SMOOTHWALL INNERDUCTS, FROM HANDHOLE TO SUPPORT TELCO SERVICES. FIELD COORDINATE THE EXACT "MEET-ME" POINT WITH THE TELCO PROVIDER PRIOR TO ROUGH-IN. USE LONG-RADIUS ELBOWS AND SWEEPS FOR ALL CONDUIT TRANSITIONS. COORDINATE WITH THE PROVIDER AND OWNER TO DETERMINE THE EXACT DEMARCATION LOCATION WITHIN THE 'ER/MDF. INSTALL DEMARCATION ON A SECTION OF THE PLYWOOD WALL BOARD. LOCATE A DEDICATED 4-PLEX RECEPTACLE NEAR THE TELCO DEMARCATION PER THE PROVIDER'S REQUIREMENTS. [TELCO PROVIDER TBD &C' COORDINATE WITH OWNER TO CONFIRM FINAL TELCO PROVIDER AND COMPLY ACCORDINGLY.]

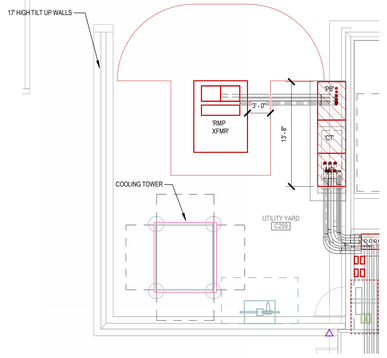
GENERAL NOTES

1. DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH THE GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.
2. ANY ELECTRICAL ROUGH-IN, EQUIPMENT AND CONDUIT PATHWAYS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR.
3. DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS(UTILITIES, POWER, COMMUNICATIONS, ETC.) AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER,ALARM,ETC.) E.C. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.
4. CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.
5. ELECTRICAL UTILITY SERVICE FROM ROCKY MOUNTAIN POWER (RMP) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH RMP PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL SFCP CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH LATEST SFCP ELECTRICAL SERVICE REQUIREMENTS AND CONTACT PERSON PROVIDED ON PLAN ALL NEW DEVELOPMENTS WILL BE SERVICED UNDERGROUND. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL UNDERGROUND CONDUIT, SECONDARY CONDUCTORS, TRANSFORMER PADS, AND SECONDARY BOXES. THE UNDERGROUND ELECTRICAL DISTRIBUTION LAYOUT SHALL BE COMPLETED OR APPROVED BY RMP ENGINEERING DIVISION.
6. THE ANTICIPATED TELCO UTILITY SERVICES HAVE HAS BEEN GENERALLY COORDINATED WITH OWNER AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 IS RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH PROVIDERS AND OWNERS PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH OWNER AND GENERAL CONTRACTOR. VERIFY ALL EQUIPMENT LOCATIONS ON AND OFF THE SITE NECESSARY FOR SERVICE CONNECTION.
7. TRENCHING AND BACKFILL: LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER THAT WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER THAT PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.
8. BORING, TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OIG OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
9. CABLE RUNS SHALL BE MARKED WITH RED PLASTIC MARKING TAPE INSTALLED IN THE TRENCH ONE FOOT BELOW SURFACE. BACKFILL SHALL BE FREE OF ROCKS AND OTHER OBJECTS WHICH MIGHT DAMAGE THE CABLE.
10. TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING AND INSTALLATION OF CABLE SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
11. INSPECT ALL CONDUIT(S) WITH CAMERA TO CONFIRM THAT CONDUIT(S) HAVE NOT BEEN CRUSHED OR BROKEN. CAP OPEN ENDS OF CONDUITS AND INSTALL A 200 LB. NYLON PULL CORD IN EACH EMPTY CONDUIT RUN.
12. PROVIDE PLANS, PHOTO DOCUMENTATION AND GPS COORDINATES INDICATING THE LOCATION OF ANY AND ALL CONDUITS INTENDED FOR FUTURE USE BY OWNER. SUBMIT DOCUMENTATION WITH O&Ms.
13. VERIFY LOCATION OF LIGHT POLES WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE HAND-RUBBED FINISHES FOR ALL SITE POLES. REFER TO DIAGRAMS C002 AND C003 FOR ADDITIONAL INFORMATION.
14. CONTRACTOR TO PROVIDE PULL BOXES AS REQUIRED PER NEC AND NECESSARY TO PROVIDE SUCCESSFUL CABLE PULLS.
15. PROVIDE TEMPORARY POWER FOR PROJECT AS REQUIRED BY GENERAL CONTRACTOR.
16. LABEL ALL ELECTRICAL GEAR WITH BOTH CONSTRUCTION DRAWING-ROOM #S AND FINAL CONSUMER ROOM #'S.

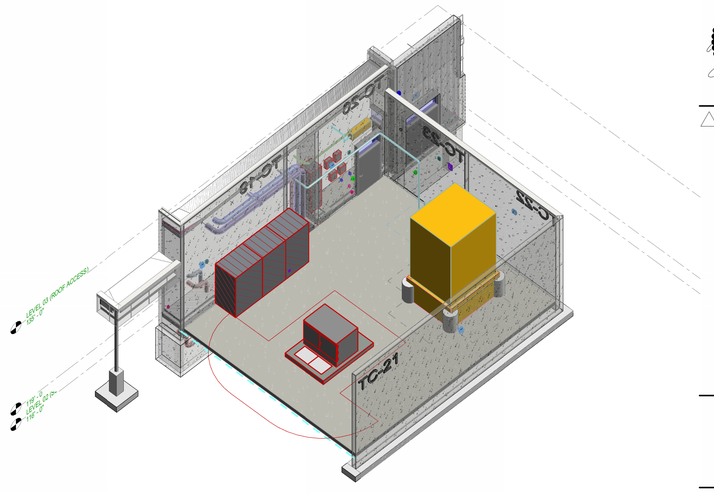
ELECTRICAL SITE UTILITY COORDINATION

ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.

POWER COMPANY	ROCKY MOUNTAIN POWER [RMP]
CONTACT	KREG ROBERTS
PHONE NO.	(435) 230-5493
EMAIL	kreg.roberts@pacificorp.com
WORK ORDER NO.	7307030
TELCO COMPANY	TBD
CONTACT	TBD
PHONE NO.	TBD
EMAIL	TBD



2 ENLARGED MECH YARD
SCALE = 1/8" = 1'-0"



3 3D MECH YARD
SCALE =

naylor wentworth lund
architects

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

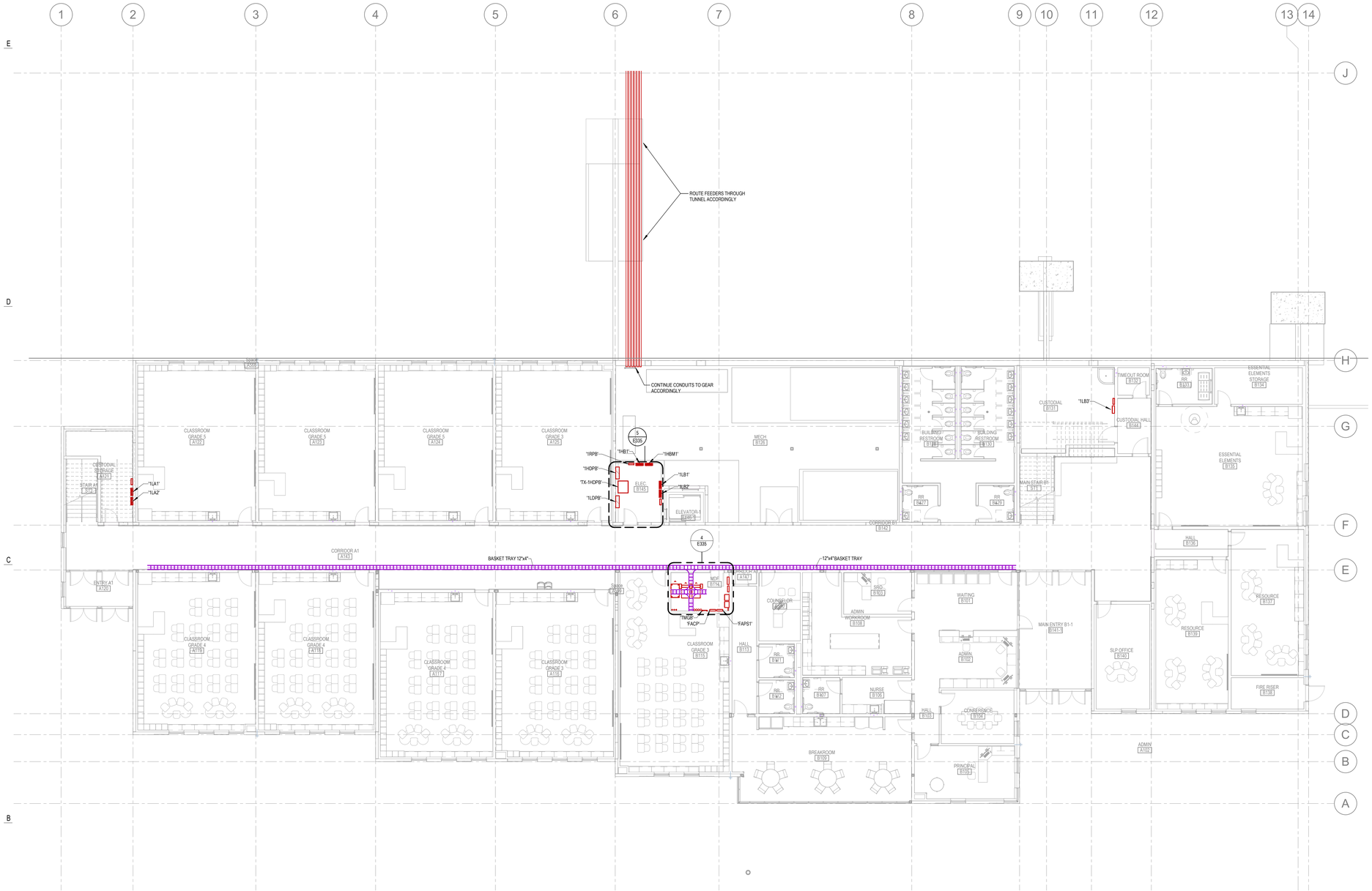
HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

DATE REVISION

ELECTRICAL SITE PLAN

E101



MAIN LEVEL OVERALL ELECTRICAL PLAN
SCALE = 1" = 10'-0"

GENERAL SHEET NOTES

1. NOT EVERY INSTANCE OF REQUIRED ELECTRICAL DISTRIBUTION OR TELECOM EQUIPMENT, AND/OR CONDUIT PATHWAYS HAVE BEEN INCLUDED WITHIN THE OVERALL DRAWINGS. GEAR AND EQUIPMENT LOCATIONS ARE DIAGRAMMATICALLY SHOWN AND ARE TO SERVE AS REFERENCE ONLY. REFER TO COMPLETE DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
2. SUBMIT DIMENSIONED DRAWINGS OF ALL ELECTRICAL AND TELECOM ROOMS BASED UPON ACTUAL BID SELECTED MANUFACTURER EQUIPMENT. SHOW PLAN VIEW OF EQUIPMENT WITH DIMENSIONED CLEARANCES TO PROXIMATE EQUIPMENT. FAILURE TO SUBMIT SAID PLAN VIEW SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO VERIFY REQUIRED CLEARANCES BEFORE RELEASE OF EQUIPMENT FOR FABRICATION. CONTRACTOR MAY REARRANGE EQUIPMENT WITH ROOM AS NEEDED TO HELP ACHIEVE OPTIMAL LAYOUT OF EQUIPMENT.
3. DIVISION 26 IS RESPONSIBLE FOR COORDINATING PATHWAY AND CABLE TRAY INSTALLATIONS TO ENSURE A SEAMLESS INTEGRATION WITH ON-SITE CONDITIONS AND OTHER TRADES. THIS COORDINATION EFFORT IS CRUCIAL FOR ACHIEVING A NEAT, EFFICIENT, AND INTEGRATED INSTALLATION.

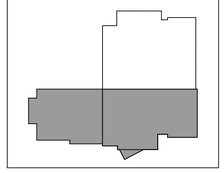
   A. REVIEW THE CONTRACT DOCUMENTS OF ALL TRADES, INCLUDING BUT NOT LIMITED TO THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, TECHNOLOGY PLAN, AND FIRE PROTECTION PLAN.

   B. COORDINATE NECESSARY EQUIPMENT AND FIXTURES TO ENSURE COMPATIBILITY WITH THE MATERIALS AND EQUIPMENT OF OTHER TRADES, FACILITATING A COHESIVE FINAL INSTALLATION.

   C. ASSIST DIVISION 21, 22, AND 23 CONTRACTORS IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION WORK. THIS INCLUDES LOCATING CEILING CLEARANCES, CABLE TRAY PLACEMENTS, AND ENSURING ADEQUATE CLEARANCES THROUGHOUT THE INSTALLATION.
4. ALL COMMUNICATIONS RACEWAY AND PATHWAYS INCLUDING BUT NOT LIMITED TO CONDUIT, SLEEVES, CABLE TRAY, J-HOOKS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CATEGORY CABLING). NO HORIZONTAL CABLE LENGTH (PERMANENT LINK) SHALL EXCEED 90 METERS (295 FEET). PAY SPECIAL ATTENTION WITH TELECOM ROOMS BEING LOCATED ON THE 2ND LEVEL AND SPANNING BETWEEN FLOORS. PROVIDE CONDUIT SLEEVES AND RACEWAYS AS REQUIRED.
5. ALL CONDUITS, PATHWAYS, AND ELECTRICAL PENETRATIONS THROUGH FIRE-RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRESTOP SYSTEM THAT MEETS THE FIRE-RESISTANCE RATING OF THE WALL ASSEMBLY IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC) AND NATIONAL ELECTRICAL CODE (NEC). FIRE CAULKING MATERIALS SHALL BE UL-LISTED OR FM-APPROVED AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND THE TESTED FIRESTOP SYSTEM DESIGN. ALL PENETRATIONS SHALL BE PROPERLY PREPARED, CLEANED, AND SEALED TO PROVIDE A CONTINUOUS FIRE BARRIER. INSPECT ALL FIRE CAULKING TO CONFIRM A COMPLETE AND UNIFORM SEAL AROUND ALL PENETRATIONS. ANY DAMAGED OR INCOMPLETE FIRESTOPPING SHALL BE REPAIRED OR REPLACED IMMEDIATELY TO MAINTAIN THE REQUIRED FIRE RESISTANCE RATING. PROVIDE FIRESTOP DOCUMENTATION, INCLUDING UL OR FM SYSTEM NUMBERS, PRODUCT DATA SHEETS, AND INSTALLATION DETAILS. COORDINATE WITH THE AUTHORITY HAVING JURISDICTION (AHJ) AND THE GENERAL CONTRACTOR FOR INSPECTIONS AND APPROVALS AS REQUIRED.
6. THE FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR.

SHEET KEYNOTES

KEY PLAN LEVEL 01



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84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/24/2025
NWL PROJECT	0119.002



DATE	REVISION

MAIN LEVEL OVERALL ELECTRICAL PLAN

E121



SECOND LEVEL OVERALL ELECTRICAL PLAN

SCALE = 1" = 10'-0"

GENERAL SHEET NOTES

1. NOT EVERY INSTANCE OF REQUIRED ELECTRICAL DISTRIBUTION OR TELECOM EQUIPMENT, AND/OR CONDUIT PATHWAYS HAVE BEEN INCLUDED WITHIN THE OVERALL DRAWINGS. GEAR AND EQUIPMENT LOCATIONS ARE DIAGRAMMATICALLY SHOWN AND ARE TO SERVE AS REFERENCE ONLY. REFER TO COMPLETE DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
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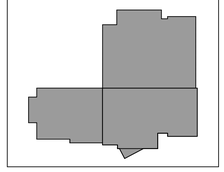
   A. REVIEW THE CONTRACT DOCUMENTS OF ALL TRADES, INCLUDING BUT NOT LIMITED TO THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, TECHNOLOGY PLAN, AND FIRE PROTECTION PLAN.

   B. COORDINATE NECESSARY EQUIPMENT AND FIXTURES TO ENSURE COMPATIBILITY WITH THE MATERIALS AND EQUIPMENT OF OTHER TRADES, FACILITATING A COHESIVE FINAL INSTALLATION.

   C. ASSIST DIVISION 21, 22, AND 23 CONTRACTORS IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION WORK. THIS INCLUDES LOCATING CEILING CLEARANCES, CABLE TRAY PLACEMENTS, AND ENSURING ADEQUATE CLEARANCES THROUGHOUT THE INSTALLATION.
4. ALL COMMUNICATIONS RACEWAY AND PATHWAYS INCLUDING BUT NOT LIMITED TO CONDUIT, SLEEVES, CABLE TRAY, J-HOOKS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CATEGORY CABLING). NO HORIZONTAL CABLE LENGTH (PERMANENT LINK) SHALL EXCEED 90 METERS (295 FEET). PAY SPECIAL ATTENTION WITH TELECOM ROOMS BEING LOCATED ON THE 2ND LEVEL AND SPANNING BETWEEN FLOORS. PROVIDE CONDUIT SLEEVES AND RACEWAYS AS REQUIRED.
5. ALL CONDUITS, PATHWAYS, AND ELECTRICAL PENETRATIONS THROUGH FIRE-RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRESTOP SYSTEM THAT MEETS THE FIRE-RESISTANCE RATING OF THE WALL ASSEMBLY IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC) AND NATIONAL ELECTRICAL CODE (NEC). FIRE CAULKING MATERIALS SHALL BE UL-LISTED OR FM-APPROVED AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND THE TESTED FIRESTOP SYSTEM DESIGN. ALL PENETRATIONS SHALL BE PROPERLY PREPARED, CLEANED, AND SEALED TO PROVIDE A CONTINUOUS FIRE BARRIER. INSPECT ALL FIRE CAULKING TO CONFIRM A COMPLETE AND UNIFORM SEAL AROUND ALL PENETRATIONS. ANY DAMAGED OR INCOMPLETE FIRESTOPPING SHALL BE REPAIRED OR REPLACED IMMEDIATELY TO MAINTAIN THE REQUIRED FIRE RESISTANCE RATING. PROVIDE FIRESTOP DOCUMENTATION, INCLUDING UL OR FM SYSTEM NUMBERS, PRODUCT DATA SHEETS, AND INSTALLATION DETAILS. COORDINATE WITH THE AUTHORITY HAVING JURISDICTION (AHJ) AND THE GENERAL CONTRACTOR FOR INSPECTIONS AND APPROVALS AS REQUIRED.
6. THE FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR.

SHEET KEYNOTES

KEY PLAN LEVEL 02



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DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0719.002



DATE	REVISION

SECOND LEVEL OVERALL ELECTRICAL PLAN

E122



GENERAL SHEET NOTES

1. **GENERAL COORDINATION:** COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND STRUCTURAL PLANS TO AVOID CONFLICTS AND ENSURE PROPER INTEGRATION OF ALL SYSTEMS.
2. **CLASSROOM MOCK-UP:** PROVIDE MOCK-UP OF ONE CLASSROOM THAT IS TYPICAL OF ALL CLASSROOMS AT THE BEGINNING OF THE ELECTRICAL, AV, AND SYSTEMS ROUGH-IN. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT SCHEDULING REQUIREMENTS. NOTIFY ENGINEER WHEN READY FOR INSPECTION.
3. EXACT ROOM LAYOUTS WILL VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
4. ALL CLASSROOM DEVICES LOCATED AT THE TEACHER STATION SHALL BE IN ONE STUD BAY. THE ADJACENT CLASSROOM SHALL BE IN THE OTHER STUD BAY. PROVIDE PUTTY PADS ON ALL DEVICES IN ONE STUD BAY.
5. **CONDUIT AND WIRING:** ALL CONDUIT, WIRING, AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
6. **DEVICE MOUNTING HEIGHTS:** MOUNT ALL DEVICES AT STANDARD HEIGHTS UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT. VERIFY FINAL HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE INSTALLATION.
7. **LIGHTING CONTROLS:** INSTALL LIGHTING CONTROLS, INCLUDING OCCUPANCY SENSORS, DAYLIGHT SENSORS, AND DIMMING SYSTEMS, IN ACCORDANCE WITH THE CONTROL DIAGRAMS, NARRATIVE, LATEST IECC, AND MANUFACTURER'S RECOMMENDATIONS
8. **EMERGENCY LIGHTING:** PROVIDE EMERGENCY BATTERY BACKUP LIGHTING IN ALL REQUIRED AREAS PER CODE. EMERGENCY LIGHTING SHALL BE FED FROM AN UNSWITCHED NORMAL CIRCUIT HOT LEG.
9. **FIRESTOPPING:** FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS USING AN APPROVED FIRESTOP SYSTEM IN ACCORDANCE WITH LOCAL BUILDING CODES AND MANUFACTURER'S SPECIFICATIONS.
10. **DEVICE COORDINATION:** COORDINATE ALL DEVICE LOCATIONS WITH CEILING GRID, FURNITURE LAYOUT, CASEWORK, AND ANY OTHER OBSTRUCTIONS. ADJUST AS NECESSARY TO MAINTAIN ALIGNMENT AND FUNCTIONALITY.
11. **CONDUIT ROUTING:** ROUTE ALL CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES, AVOID ROUTING OVER STRUCTURAL BEAMS AND OTHER OBSTRUCTIONS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
12. **DATA AND POWER:** PROVIDE SEPARATE CONDUITS FOR POWER AND DATA WIRING. MAINTAIN MINIMUM SEPARATION BETWEEN POWER AND LOW-VOLTAGE WIRING TO PREVENT INTERFERENCE.
13. **TESTING AND VERIFICATION:** TEST ALL SYSTEMS FOR PROPER OPERATION UPON COMPLETION. ADJUST AND BALANCE LIGHTING LEVELS AND CONTROL SYSTEMS AS REQUIRED TO MEET DESIGN INTENT.
14. **GROUNDING:** PROVIDE PROPER GROUNDING FOR ALL ELECTRICAL SYSTEMS AND EQUIPMENT PER NEC REQUIREMENTS.
15. **SWITCHING:** GROUP LIGHTING SWITCHES LOGICALLY AND IN ALIGNMENT WITH ROOM LAYOUTS AND OCCUPANT USE. VERIFY FINAL SWITCH LOCATIONS WITH THE ARCHITECT.
16. **CIRCUIT IDENTIFICATION:** LABEL ALL PANELBOARDS, CIRCUITS, AND JUNCTION BOXES CLEARLY AND ACCURATELY PER THE ELECTRICAL SCHEDULE.
17. **CEILING GRID COORDINATION:** ALIGN LIGHT FIXTURES, SENSORS, AND OTHER CEILING-MOUNTED DEVICES WITH THE CEILING GRID FOR A UNIFORM AND CLEAN INSTALLATION.
18. **POWER REQUIREMENTS:** ENSURE THAT ALL RECEPTACLES, LIGHTING, AND EQUIPMENT HAVE ADEQUATE POWER SUPPLY, AND CONFIRM CIRCUIT LOADING DOES NOT EXCEED DESIGN LIMITS.
19. **DIMMING COMPATIBILITY:** ENSURE ALL DIMMABLE FIXTURES ARE COMPATIBLE WITH THE SPECIFIED CONTROL SYSTEM AND WIRING.
20. **LOW-VOLTAGE SYSTEMS:** COORDINATE INSTALLATION OF LOW-VOLTAGE SYSTEMS (E.G., DATA, AUDIOVISUAL, INTERCOM, AND SECURITY) WITH THE LOW-VOLTAGE CONTRACTOR AND PROVIDE NECESSARY INFRASTRUCTURE.
21. **CLASSROOM ORIENTATION:** VERIFY THE ORIENTATION OF THE FRONT OF THE CLASSROOM AND ENSURE LIGHTING AND CONTROLS ARE INSTALLED ACCORDINGLY.
22. **DOCUMENTATION:** PROVIDE AS-BUILT DRAWINGS AND DOCUMENTATION OF ALL SYSTEMS UPON PROJECT COMPLETION.
23. **CONTRACTOR RESPONSIBILITY:** THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK MEETS DESIGN SPECIFICATIONS, CODE REQUIREMENTS, AND THE OWNER'S FUNCTIONAL INTENT.

SHEET KEYNOTES

TUNNEL ELECTRICAL PLAN
SCALE = 1/4" = 1'-0"

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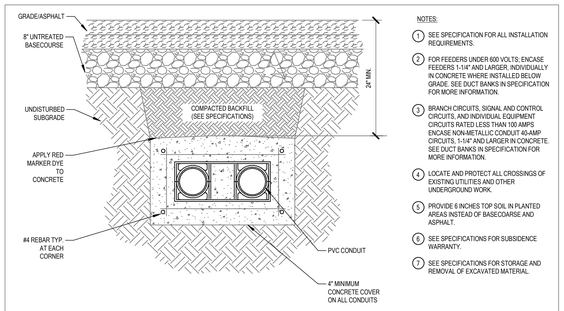
DRAWING ISSUE | BID SET
ISSUE DATE | 02/25/2025
NWL PROJECT | 0119.002

DATE REVISION

TUNNEL ELECTRICAL PLAN

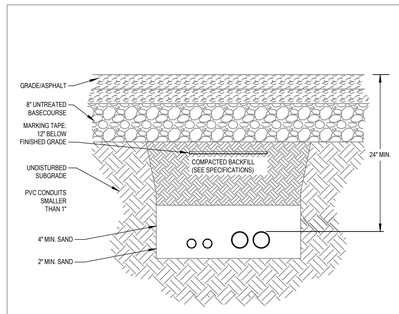
E123



NOTES:

1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. FOR FEEDERS UNDER 600 VOLTS; ENCASE FEEDERS 1-1/4" AND LARGER, INDIVIDUALLY IN CONCRETE WHERE INSTALLED BELOW GRADE. SEE DUCT BANKS IN SPECIFICATION FOR MORE INFORMATION.
3. BRANCH CIRCUITS, SIGNAL AND CONTROL CIRCUITS, AND INDIVIDUAL EQUIPMENT CIRCUITS RATED LESS THAN 100 AMPS ENCASE NON-METALLIC CONDUIT 40-AMP CIRCUITS, 1-1/4" AND LARGER IN CONCRETE. SEE DUCT BANKS IN SPECIFICATION FOR MORE INFORMATION.
4. LOCATE AND PROTECT ALL CROSSINGS OF EXISTING UTILITIES AND OTHER UNDERGROUND WORK.
5. PROVIDE 6 INCHES TOP SOIL IN PLANTED AREAS INSTEAD OF BASECOARSE AND ASPHALT.
6. SEE SPECIFICATIONS FOR SUBSIDENCE WARRANTY.
7. SEE SPECIFICATIONS FOR STORAGE AND REMOVAL OF EXCAVATED MATERIAL.

DIAGRAM U010 ELECTRICAL DUCT BANK (SERVICE ENTRANCE & BELOW GRADE)
NTS



NOTES:

1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. INSTALL DETECTABLE MARKING TAPE FOR ALL UNDERGROUND WIRING. SEE SPECIFICATION FOR MORE INFORMATION.
3. APPLY PROTECTIVE COATING TO METALLIC RACEWAYS IN DIRECT CONTACT WITH EARTH OR FILL OF ANY TYPE, CONSISTING OF SPIRALLY WRAPPED PVC TAPE (1/2" MINIMUM OVERLAP OF SCOTCH WRAP TAPE OR EQUAL) OR FACTORY APPLIED VINYL CLADDING (MINIMUM THICKNESS: 020INCHES). COMPLETELY WRAP AND TAPE ALL FIELD JOINTS.
4. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 BUT IN NO CASE BE LESS THAN 24", UNLESS NOTED OTHERWISE ON DRAWINGS. CONDUITS BELOW TRACK AND FIELD MUST BE A MINIMUM OF 30" BELOW GRADE. SEE CIVIL FOR ADDITIONAL REQUIREMENTS.
5. LOCATE AND PROTECT ALL CROSSINGS OF EXISTING UTILITIES AND OTHER UNDERGROUND WORK.
6. PROVIDE 6 INCHES TOP SOIL IN PLANTED AREAS INSTEAD OF BASECOARSE AND ASPHALT.
7. SEE SPECIFICATIONS FOR SUBSIDENCE WARRANTY.
8. SEE SPECIFICATIONS FOR STORAGE AND REMOVAL OF EXCAVATED MATERIAL.

DIAGRAM U009 CONDUIT BELOW GRADE
NTS

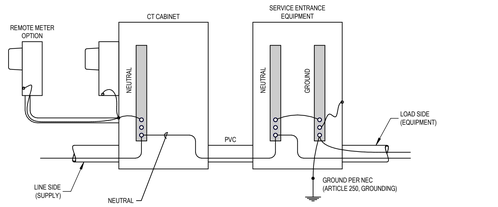


DIAGRAM Q007 SERVICE ENCLOSURE BONDING
NTS - 600 VOLT

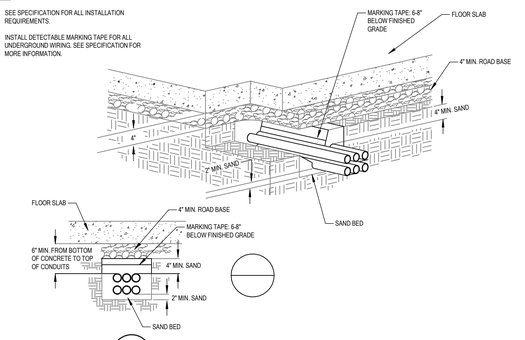


DIAGRAM U007 CONDUIT BELOW SLAB
NTS

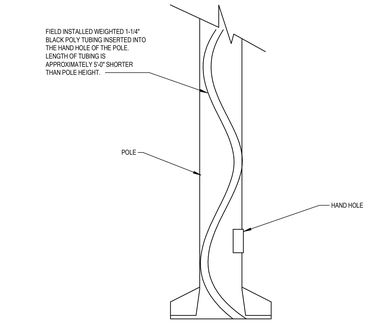
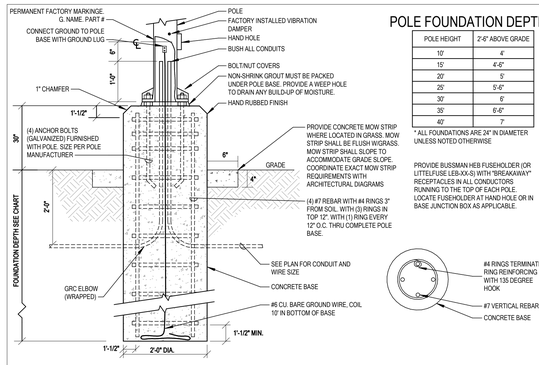


DIAGRAM C020 POLE VIBRATION DAMPENER
NTS

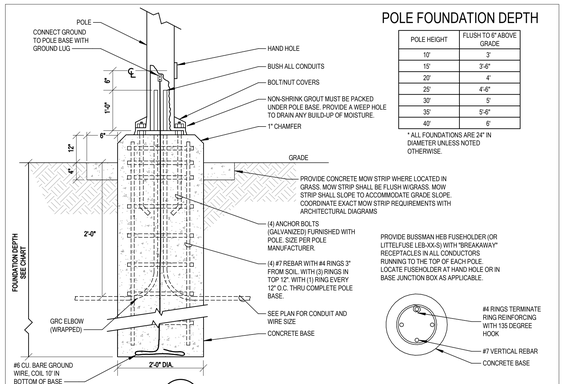


POLE FOUNDATION DEPTH

POLE HEIGHT	2'-6" ABOVE GRADE
10'	4'
15'	4'-6"
20'	5'
25'	5'-6"
30'	6'
35'	6'-6"
40'	7'

* ALL FOUNDATIONS ARE 24" IN DIAMETER UNLESS NOTED OTHERWISE

DIAGRAM C003 LIGHTING POLE FOUNDATION
NTS

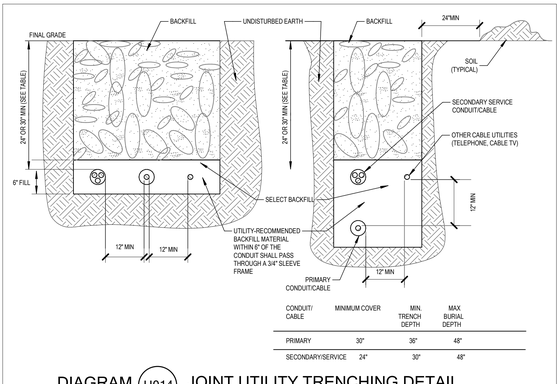


POLE FOUNDATION DEPTH

POLE HEIGHT	FLUSH TO 6" ABOVE GRADE
10'	3'
15'	3'-6"
20'	4'
25'	4'-6"
30'	5'
35'	5'-6"
40'	6'

* ALL FOUNDATIONS ARE 24" IN DIAMETER UNLESS NOTED OTHERWISE.

DIAGRAM C002 LIGHTING POLE FOUNDATION
NTS



CONDUIT/ CABLE	MINIMUM COVER	MIN. TRENCH DEPTH	MAX. BURIAL DEPTH
PRIMARY	30"	36"	48"
SECONDARY/SERVICE	24"	30"	48"

DIAGRAM U014 JOINT UTILITY TRENCHING DETAIL
NTS

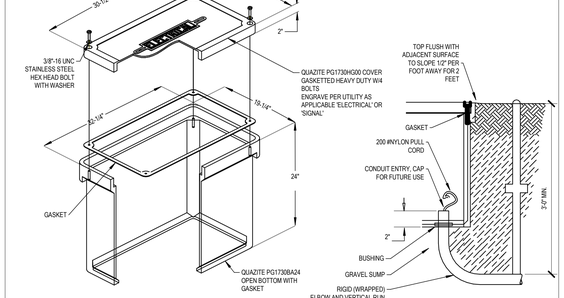


DIAGRAM L011 UNDERGROUD HANDHOLE (17"X30")
NTS

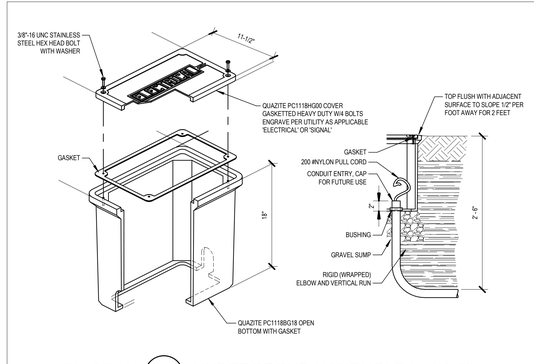


DIAGRAM L010 UNDERGROUD HANDHOLE (11"X18")
NTS

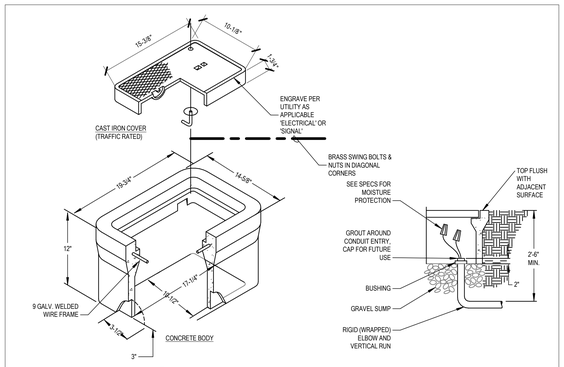


DIAGRAM L003 CONCRETE J-BOX
NTS

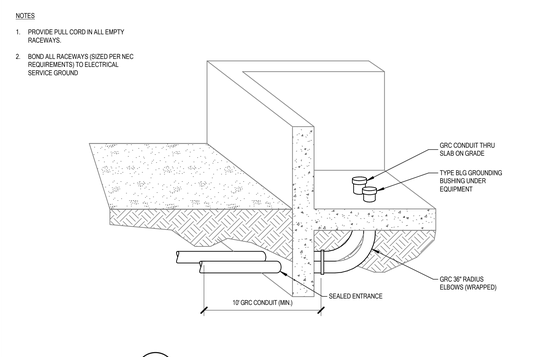


DIAGRAM F002 BUILDING ENTRANCE CONDUITS
NTS

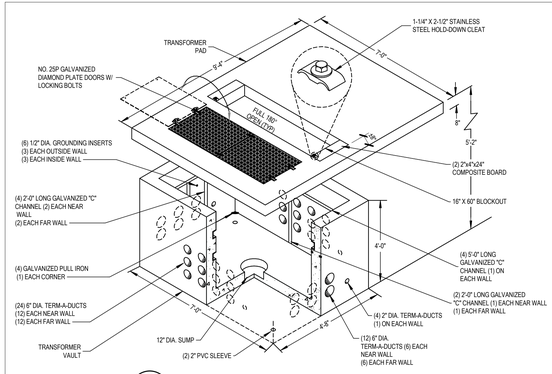


DIAGRAM Q015 TRANSFORMER VAULT (75-750 KVA)
NTS

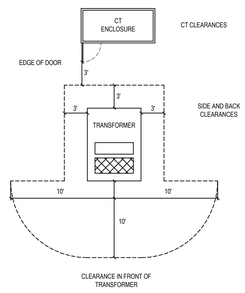


DIAGRAM Q014 TRANFORMER/CT ENCLOSURE LAYOUT (RMP)
NTS

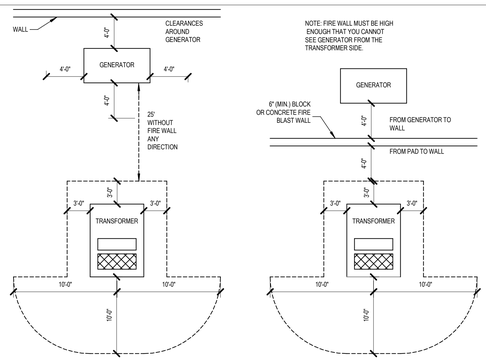


DIAGRAM Q013 TRANFORMER/GENERATOR LAYOUT (RMP)
NTS

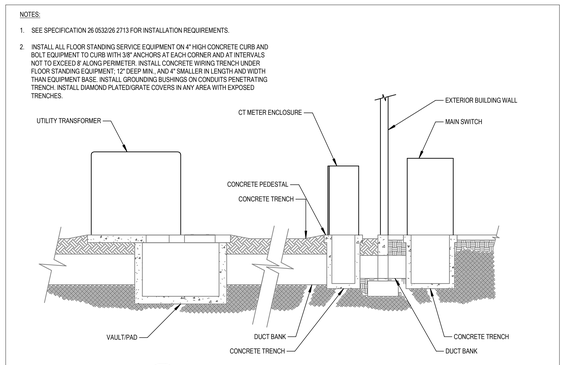


DIAGRAM U008 SERVICE ENTRANCE
NTS

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002



△	DATE	REVISION

ELECTRICAL SITE PLAN DIAGRAMS

E141



MAIN LEVEL LIGHTING RCP - AREA A

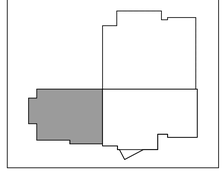
SCALE = 1/8" = 1'-0"

LIGHTING GENERAL SHEET NOTES

1. PROVIDE A WATTSTOPPER APPROVED LIGHTING CONTROL SYSTEM (ONLY APPROVED CONTROLS MANUFACTURER). MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
10. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTED FIXTURES SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES (VERIFY WITH ARCHITECT). COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
12. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILINGS. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
13. WHERE INDICATED ON FIXTURE SCHEDULE AND/OR PROVIDED BY THE FIXTURE MANUFACTURER, ALL REMOTE DRIVERS SHALL BE LOCATED IN THE NEAREST ACCESSIBLE CEILING. DIVISION 26 SHALL UPSIZE CONDUCTORS BETWEEN DRIVER AND FIXTURE(S) AS REQUIRED BY MANUFACTURER TO MAINTAIN AN ACCEPTABLE VOLTAGE DROP RANGE. DIVISION 26 TO DETERMINE FINAL LOCATION AND PROVIDE A DESIGNATION MARKER (GREEN DOT) AT THE CEILING TO ALLOW FOR EASY FUTURE MAINTENANCE.

SHEET KEYNOTES

KEY PLAN LEVEL 01



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ISSUE DATE
NWL PROJECT 0119.002

PROFESSIONAL ENGINEER BRIAN HICKS 7739903 STATE OF UTAH

DATE REVISION

MAIN LEVEL LIGHTING PLAN - AREA A

E211

LIGHTING GENERAL SHEET NOTES

1. PROVIDE A WATTSTOPPER APPROVED LIGHTING CONTROL SYSTEM (ONLY APPROVED CONTROLS MANUFACTURER). MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
10. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTED FIXTURES SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES (VERIFY WITH ARCHITECT). COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
12. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILINGS. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
13. WHERE INDICATED ON FIXTURE SCHEDULE AND/OR PROVIDED BY THE FIXTURE MANUFACTURER, ALL REMOTE DRIVERS SHALL BE LOCATED IN THE NEAREST ACCESSIBLE CEILING. DIVISION 26 SHALL UPSIZE CONDUCTORS BETWEEN DRIVER AND FIXTURE(S) AS REQUIRED BY MANUFACTURER TO MAINTAIN AN ACCEPTABLE VOLTAGE DROP RANGE. DIVISION 26 TO DETERMINE FINAL LOCATION AND PROVIDE A DESIGNATION MARKER (GREEN DOT) AT THE CEILING TO ALLOW FOR EASY FUTURE MAINTENANCE.

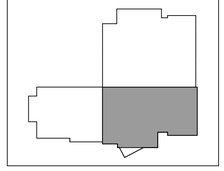
SHEET KEYNOTES

L10	COORDINATE MOUNTING OF FIXTURES TO AVOID OBSTRUCTION OF ILLUMINATION BY DUCT,PIPES, EQUIPMENT, FENCE, ETC. SURFACE MOUNT OR CHAIN MOUNT AS NEEDED.
L11	PROVIDE 7"+ LIGHTING TOUCH PANEL THAT IS TIED TO THE BUILDING LIGHTING RELAY PANELS THROUGHOUT THE BUILDING. PROVIDE EASY TO USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL AND OVERRIDE BUILDING RELAYS E.G. EXTERIOR, PARKING, CORRIDORS, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.
L15	MOUNT FIXTURE WITHIN DISPLAY CABINET. FIXTURE SHALL BE MOUNTED NEAR THE FRONT OF THE DISPLAY CASE AND HIDDEN BY TOP VALENCE. COORDINATE OPENING AND MOUNTING REQUIREMENTS WITH GC, ARCHITECTURAL DRAWINGS AND CABINET DETAILS. LIGHT FIXTURE SHALL BE CONTINUOUS THROUGHOUT. FIELD VERIFY LENGTH AND PROVIDE CONTINUOUS CHANNEL AND CORNERS AS REQUIRED FOR UNINTERRUPTED LIGHT ALONG THE ENTIRE PATH. PROVIDE 0-10V WIRING, LOCAL OVERRIDE SWITCH AND LOCATE REMOTE 0-10V POWER SUPPLY(S) IN PLENUM RATED BOX AND IN NEARBY ACCESSIBLE CEILING. COORDINATE QUANTITY AND TYPES WITH MANUFACTURER, LABEL CABINETS AND LOCATE EQUIPMENT FOR EASY MAINTENANCE.
L27	LOCATE LIGHT SWITCH OUTSIDE OF ADJACENT CABINET DOOR SWING.
L28	PROGRAM MOTION SENSORS TO AUTO-ON TO 80% UPON SENSING OCCUPANCY.
L32	PROVIDE A CONTINUOUS RECESSED LINEAR DIFFUSED LED FIXTURE (WET LISTED) WITHIN THE EXTERIOR ARCHITECTURAL CEILING STRUCTURE. COORDINATE ALL OPENING AND MOUNTING REQUIREMENTS WITH THE GENERAL CONTRACTOR, ARCHITECTURAL DRAWINGS, AND CEILING DETAILS. ENSURE THE FIXTURE RUNS CONTINUOUSLY THROUGHOUT THE DESIGNATED AREA. FIELD VERIFY LENGTHS AND PROVIDE CONTINUOUS CHANNELS AND CORNER SECTIONS AS NEEDED FOR UNINTERRUPTED LIGHTING. INSTALL REMOTE 0-10V POWER SUPPLY(S) IN A PLENUM-RATED BOX LOCATED IN A NEARBY ACCESSIBLE CEILING. COORDINATE QUANTITY AND LOCATIONS WITH THE MANUFACTURER, LABEL POWER SUPPLY CABINETS AND ENSURE EASY ACCESS FOR MAINTENANCE. LIGHT FIXTURE INTENSITY SHALL BE REVIEWED BY THE ARCHITECT AND ENGINEER. MAKE ADJUSTMENTS AS REQUIRED.



MAIN LEVEL LIGHTING RCP - AREA B
SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



MAIN LEVEL LIGHTING PLAN - AREA B

E212

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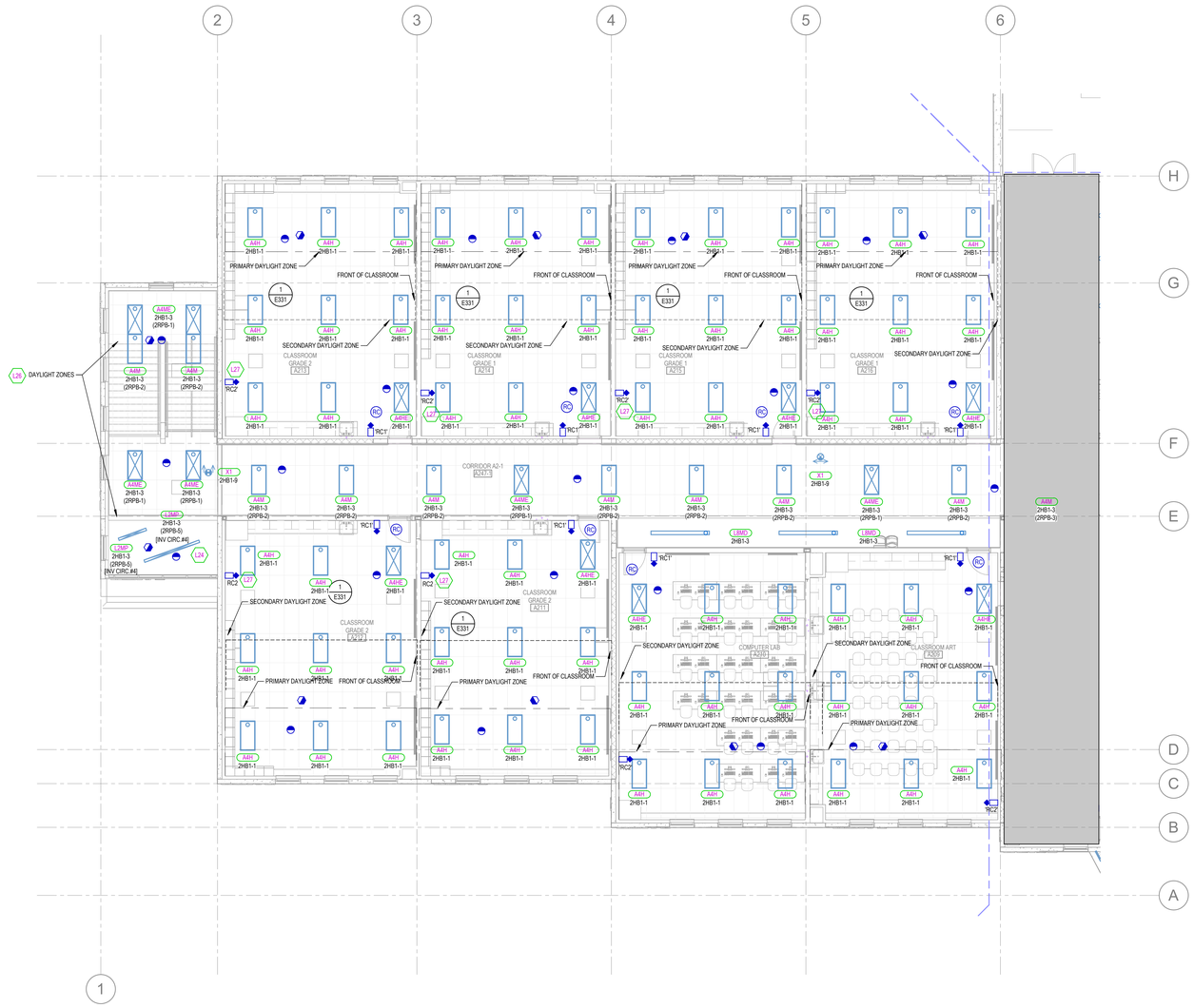

SECOND LEVEL LIGHTING RCP - AREA A
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LIGHTING GENERAL SHEET NOTES

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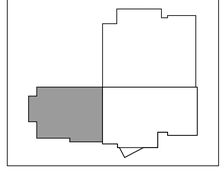
SHEET KEYNOTES

L24	PROVIDE HIGH CEILING OCCUPANCY AND DAYLIGHT SENSORS TO CONTROL VESTIBULE LIGHT(S). PROVIDE 0-10V DIMMING FOR LIGHTING RELAY. OCCUPANCY SENSOR SHALL DIM VESTIBULE TO 50% OUTPUT AFTER 15 MINUTES OF INACTIVITY. DAYLIGHT HARVESTING SHALL BE ACTIVATE AT ALL TIMES.
L26	PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2021 C405. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE AREA FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTODIODE) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY.
L27	LOCATE LIGHT SWITCH OUTSIDE OF ADJACENT CABINET DOOR SWING.

KEY PLAN LEVEL 02



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SECOND LEVEL LIGHTING PLAN - AREA A

E221

LIGHTING GENERAL SHEET NOTES

1. PROVIDE A WATTSTOPPER APPROVED LIGHTING CONTROL SYSTEM (ONLY APPROVED CONTROLS MANUFACTURER). MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.
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SHEET KEYNOTES

L9 PROVIDE SPRING LOADED HINGE-CLEAR COVER (STI-7511F OR EQUAL) WITH EXTERIOR THUMB LOCK TO PROTECT WALLSTATION.

L17 PROVIDE DOUBLE GANG LOCKABLE POLYCARBONATE CLEAR COVER WITH SPRING-LOADED HINGE-CLEAR (STI OR EQUAL) COVER TO PROTECT LIGHTING WALLSTATIONS.

L22 PROVIDE 7" LIGHTING TOUCH PANEL THAT CONTROLS ALL LIGHTING RELAYS THROUGHOUT THE MEDIA CENTER. PROVIDE EASY TO USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL ALL ON/OFF INDIVIDUAL, OVERLAY ON/OFF AND DIMMING, AND SCENES E.G. QUIET TIME, READING, AV, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.

L24 PROVIDE HIGH CEILING OCCUPANCY AND DAYLIGHT SENSORS TO CONTROL VESTIBULE LIGHT(S). PROVIDE 0-10V DIMMING FOR LIGHTING RELAY. OCCUPANCY SENSOR SHALL DIM VESTIBULE TO 50% OUTPUT AFTER 15 MINUTES OF INACTIVITY. DAYLIGHT HARVESTING SHALL BE ACTIVATE AT ALL TIMES.

L25 LOCATE STAGE, MULT-PURPOSE ROOM LIGHTING CONTROLS, AND AV TOUCH PANEL WITH SWITCHING CABINET. COORDINATE CABINT SIZE AND LAYOUT ACCORDING TO REQUIRED SPACE. COORDINATE REQUIRED DIMMING SWITCHES BASED UPON FIXTURE DIMMING TECHNOLOGY AND PROVIDE THE CORRECT DIMMING SWITCHES ACCORDINGLY. LABEL ALL SWITCHES ACCORDING TO THEIR OPERATION/CONTROL.

L26 PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2021 C405. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE AREA FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTODIODE) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY.

L27 LOCATE LIGHT SWITCH OUTSIDE OF ADJACENT CABINET DOOR SWING.

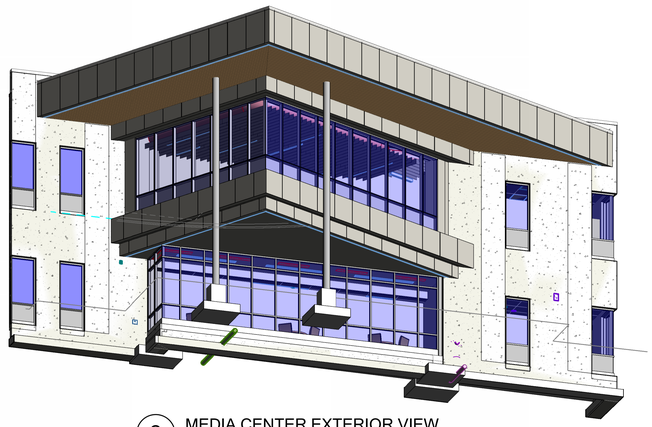
L29 PROVIDE A TOTAL OF 3 TYPE 'EH' FIXTURES THROUGHOUT EACH ELEVATOR SHAFT, MOUNT AND SPACE EVENLY THROUGHOUT THE ELEVATOR SHAFT. PROVIDE 3-WAY SWITCH CONTROL FROM EACH LEVEL, LOWER (2) FIXTURES TO BE CONTROLLED THROUGH SWITCH IN ELEVATOR SHAFT OF LEVEL 1. REMAINING (1) FIXTURE TO BE ON A SEPARATE, DEDICATED CIRCUIT CONTROLLED VIA THE SWITCH WITHIN THE ELEVATOR SHAFT OF LEVEL 2.

L31 PROVIDE A 1500W HIGH-CAPACITY MINI INVERTER [EMERGI-LITE EMIU-1500-4-LD OR APPROVED EQUAL] TO PROVIDE EMERGENCY ILLUMINATION THROUGHOUT THE 2ND STORY SPACES. WALL MOUNT INVERTER ACCORDINGLY. INVERTER SHALL INCLUDE A MINIMUM OF FOUR OUTPUT CIRCUITS, 120/277V INPUT OVERLOAD PROTECTION, 0-10V LOAD SHEDDING, ADVANCED DIAGNOSTICS, AND SELF-TESTING CAPABILITIES. WIRE RELAY CIRCUITS THROUGH THE INVERTER AS SHOWN ON THE PLANS. COORDINATE INSTALLATION WITH THE MANUFACTURER'S INSTRUCTIONS AND WIRING DIAGRAMS. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO DELIVER A COMPLETE AND OPERATIONAL SYSTEM.

L32 PROVIDE A CONTINUOUS RECESSED LINEAR DIFFUSED LED FIXTURE (WET LISTED) WITHIN THE EXTERIOR ARCHITECTURAL CEILING STRUCTURE. COORDINATE ALL OPENING AND MOUNTING REQUIREMENTS WITH THE GENERAL CONTRACTOR, ARCHITECTURAL DRAWINGS, AND CEILING DETAILS. ENSURE THE FIXTURE RUNS CONTINUOUSLY THROUGHOUT THE DESIGNATED AREA. FIELD VERIFY LENGTHS AND PROVIDE CONTINUOUS CHANNELS AND CORNER SECTIONS AS NEEDED FOR UNINTERRUPTED LIGHTING. INSTALL REMOTE 0-10V POWER SUPPLY(S) IN A PLENUM-RATED BOX LOCATED IN A NEARBY ACCESSIBLE CEILING. COORDINATE QUANTITY AND LOCATIONS WITH THE MANUFACTURER. LABEL POWER SUPPLY CABINETS AND ENSURE EASY ACCESS FOR MAINTENANCE. LIGHT FIXTURE INTENSITY SHALL BE REVIEWED BY THE ARCHITECT AND ENGINEER; MAKE ADJUSTMENTS AS REQUIRED.

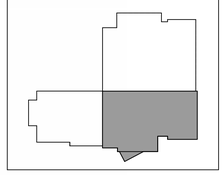


SECOND LEVEL LIGHTING RCP - AREA B
SCALE = 1/8" = 1'-0"



2 MEDIA CENTER EXTERIOR VIEW
SCALE =

KEY PLAN LEVEL 02



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PROFESSIONAL ENGINEER — BRIAN HICKS — No. 5709031-2202 — STATE OF UTAH

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SECOND LEVEL LIGHTING PLAN - AREA B

E222

LIGHTING GENERAL SHEET NOTES

1. PROVIDE A WATTSTOPPER APPROVED LIGHTING CONTROL SYSTEM (ONLY APPROVED CONTROLS MANUFACTURER). MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
10. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTED FIXTURES SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES (VERIFY WITH ARCHITECT). COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
12. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILINGS. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
13. WHERE INDICATED ON FIXTURE SCHEDULE AND/OR PROVIDED BY THE FIXTURE MANUFACTURER, ALL REMOTE DRIVERS SHALL BE LOCATED IN THE NEAREST ACCESSIBLE CEILING, DIVISION 26 SHALL UPSIZE CONDUCTORS BETWEEN DRIVER AND FIXTURE(S) AS REQUIRED BY MANUFACTURER TO MAINTAIN AN ACCEPTABLE VOLTAGE DROP RANGE. DIVISION 26 TO DETERMINE FINAL LOCATION AND PROVIDE A DESIGNATION MARKER (GREEN DOT) AT THE CEILING TO ALLOW FOR EASY FUTURE MAINTENANCE.

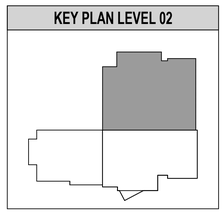
SHEET KEYNOTES

L1	LOCATE WALLSTATION WITHIN SWITCHING CABINET. SEE DIAGRAM P004/E231 FOR MORE INFORMATION.
L11	PROVIDE 7"+ LIGHTING TOUCH PANEL THAT IS TIED TO THE BUILDING LIGHTING RELAY PANELS THROUGHOUT THE BUILDING. PROVIDE EASY TO USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL AND OVERRIDE BUILDING RELAYS E.G. EXTERIOR, PARKING, CORRIDORS, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.
L16	FREEZER/COOLER LUMINAIRES PROVIDED BY KITCHEN CONTRACTOR, AND INSTALLED BY ELECTRICAL CONTRACTOR.
L17	PROVIDE DOUBLE GANG LOCKABLE POLYCARBONATE CLEAR COVER WITH SPRING-LOADED HINGE-CLEAR (STI OR EQUAL) COVER TO PROTECT LIGHTING WALLSTATIONS.
L30	PROVIDE A 1500W HIGH-CAPACITY MINI INVERTER [EMERGI-LITE EMIU-1500-4-LD OR APPROVED EQUAL] TO PROVIDE EMERGENCY ILLUMINATION THROUGHOUT THE MULTI-PURPOSE SPACE. WALL MOUNT INVERTER ACCORDINGLY. INVERTER SHALL INCLUDE A MINIMUM OF FOUR OUTPUT CIRCUITS, 120/277V INPUT OVERLOAD PROTECTION, 0-10V LOAD SHEDDING, ADVANCED DIAGNOSTICS, AND SELF-TESTING CAPABILITIES. WIRE RELAY CIRCUITS THROUGH THE INVERTER AS SHOWN ON THE PLANS. COORDINATE INSTALLATION WITH THE MANUFACTURER'S INSTRUCTIONS AND WIRING DIAGRAMS. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO DELIVER A COMPLETE AND OPERATIONAL SYSTEM.



SECOND LEVEL LIGHTING PLAN - AREA 'C'
SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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SECOND LEVEL LIGHTING PLAN - AREA C

E223

DIAGRAM NOTES:

TYPICAL OF 2'X2', 2'X4', 1'X4', AND 4'X4' FIXTURES

DIAGRAM KEYNOTES:

1. #12 GA. WIRE HANGER AT EACH CORNER OF FIXTURE (TYP.) INDEPENDENT OF CEILING SUPPORT SYSTEM AND IDENTIFIED AS PER SPECIFICATIONS.
2. FIXTURE CLAMP, PROVIDE ON PER SIDE PER FIXTURE.

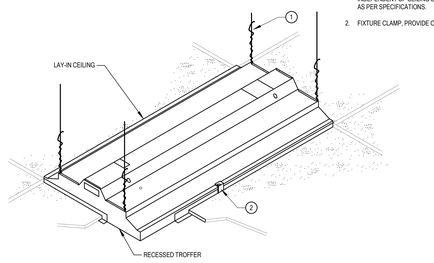


DIAGRAM A001 TYP. RECESSED FIXTURE MOUNTING
NTS

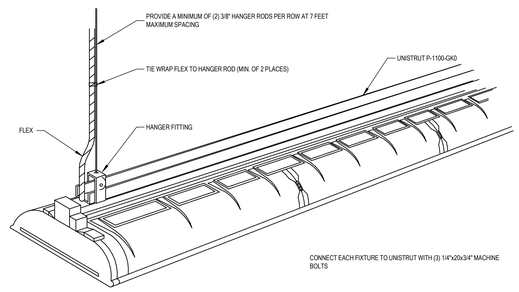
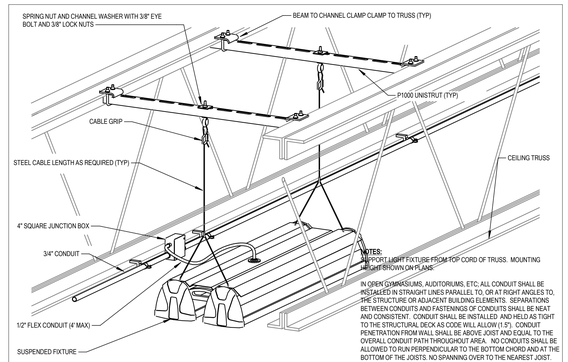


DIAGRAM A010 FIXTURE MOUNTING
NTS



NOTES:
1. SUPPORT LIGHT FIXTURES FROM TOP CORD OF TRUSS. MOUNTING HEIGHT SHOWN ON PLANS.

IN OPEN GYMNASIUMS, AUDITORIUMS, ETC: ALL CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES PARALLEL TO, OR AT RIGHT ANGLES TO, THE STRUCTURE OR ADJACENT BUILDING ELEMENTS. SEPARATIONS BETWEEN CONDUITS AND FASTENINGS OF CONDUITS SHALL BE NEAT AND CONSISTENT. CONDUIT SHALL BE INSTALLED AND HELD AS TIGHT TO THE STRUCTURAL DECK AS CODE WILL ALLOW (1.5"). CONDUIT PENETRATION FROM WALL SHALL BE ABOVE JOIST AND EQUAL TO THE OVERALL CONDUIT PATH THROUGHOUT AREA. NO CONDUITS SHALL BE ALLOWED TO RUN PERPENDICULAR TO THE BOTTOM CHORD AND AT THE BOTTOM OF THE JOISTS. NO SPANNING OVER TO THE NEAREST JOIST. OVERALL INSTALLATION SHALL BE ACCOMPLISHED IN AN AESTHETIC AND WORKMANLIKE MANNER. COORDINATE CONDUIT ROUTING PLAN WITH GENERAL CONTRACTOR PRIOR TO ANY CONDUIT ROUGH-IN.

DIAGRAM A024 SUSPENDED LIGHT FIXTURE
NTS

TYPICAL INSTALLATION FOR ELECTRICAL SYSTEMS

NOTES:

1. FREE AIR CABLE SHALL BE CLASSIFIED PLENUM RATED 2 UNSHIELDED CABLE NEC TYPE CMP AND CEC TYPE CMP FT6 SPECIAL COLOR CODE SPECIFIC TO LOW VOLTAGE BALLAST/DRIVER 0-10V WIRING PROTOCOL. PRODUCT SHALL BE MANUFACTURED TO BE IN COMPLIANT WITH THE REQUIREMENTS OF UL444 FOR INSTALLATIONS AND APPLICATIONS IN ACCORDANCE WITH NEC ARTICLES 725 AND 800.
2. FREE AIR CABLE SHALL BE INSTALLED IN A CLEAN AND CRAFTMANSHIP-LIKE MANNER, SUPPORT AT 5'-0" INTERVALS ALONG THE PATH OF THE ACCOMPANYING BRANCH CIRCUIT LIGHTING RACEWAY. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED
3. UTILIZE 18 AWG GAUGE WIRE FOR DISTANCES UP TO 300' AND 16 AWG FOR DISTANCES UP TO 400'.
4. SUPPORT RACEWAYS RIGIDLY ATTACHED TO THE STRUCTURE AT INTERVALS NOT TO EXCEED 8' ON CENTER. PROVIDE A MINIMUM OF 2 SUPPORTS PER 10' OF RACEWAY. SUPPORT RACEWAY WITHIN 12" OF JUNCTION BOX, COUPLING, OUTLET, OR FITTING. PROVIDE RACEWAY SUPPORTS AT EACH 90 DEGREE BEND. REFER TO SPECIFICATION FOR MARE DETAILS.
5. LOCATE LIGHTING JUNCTION BOX WITHIN 2' OF LAY IN FIXTURE.
6. MAKE SPLICES OF 0-10V CABLES INSIDE OF JUNCTION BOXES

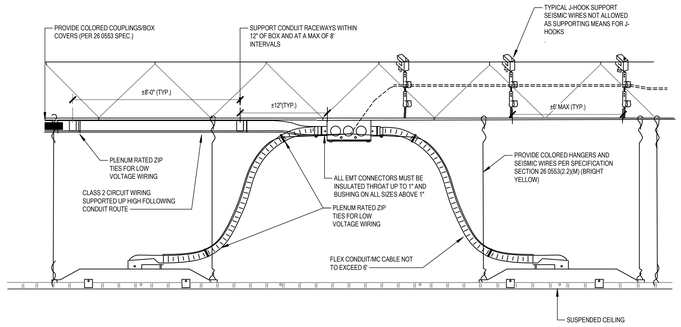
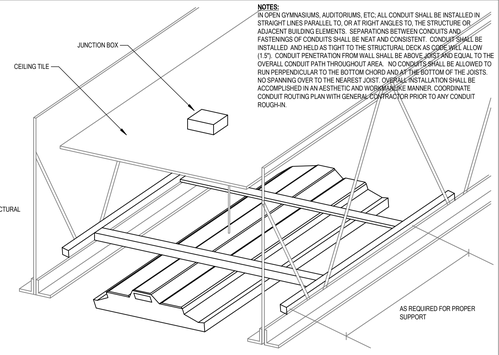
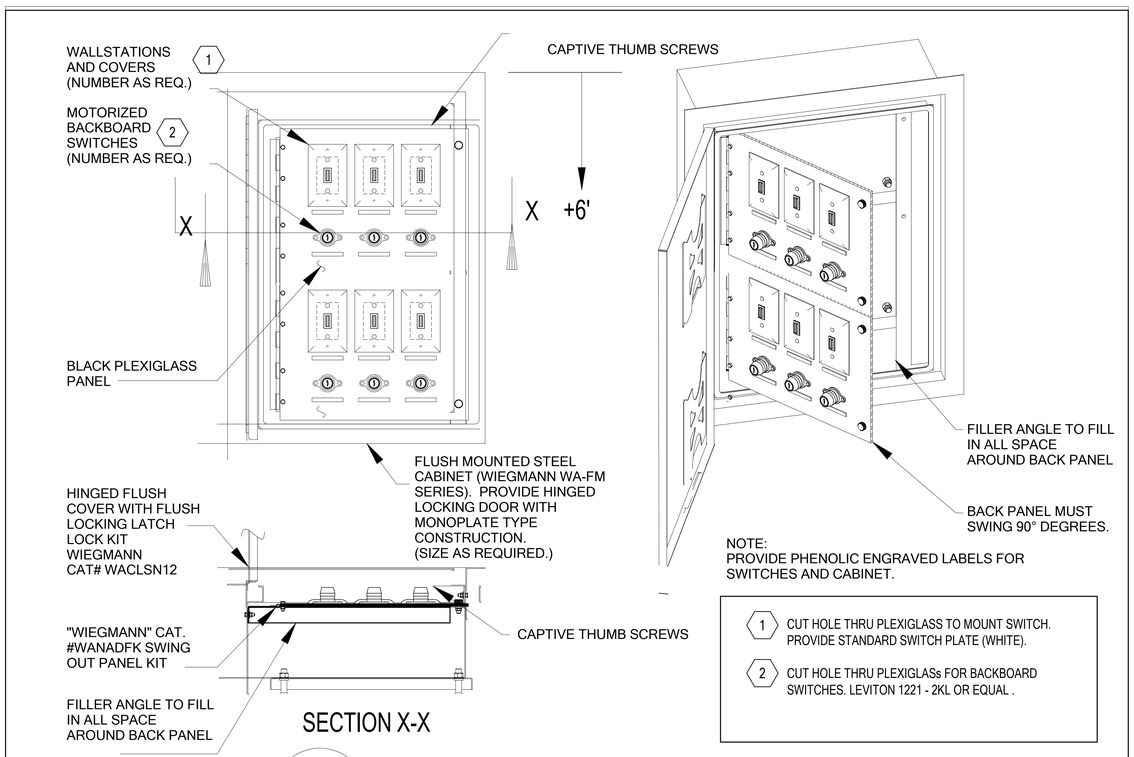


DIAGRAM A029 TYPICAL ABOVE CEILING ROUGH-IN
NTS



NOTES:
IN OPEN GYMNASIUMS, AUDITORIUMS, ETC: ALL CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES PARALLEL TO, OR AT RIGHT ANGLES TO, THE STRUCTURE OR ADJACENT BUILDING ELEMENTS. SEPARATIONS BETWEEN CONDUITS AND FASTENINGS OF CONDUITS SHALL BE NEAT AND CONSISTENT. CONDUIT SHALL BE INSTALLED AND HELD AS TIGHT TO THE STRUCTURAL DECK AS CODE WILL ALLOW (1.5"). CONDUIT PENETRATION FROM WALL SHALL BE ABOVE JOIST AND EQUAL TO THE OVERALL CONDUIT PATH THROUGHOUT AREA. NO CONDUITS SHALL BE ALLOWED TO RUN PERPENDICULAR TO THE BOTTOM CHORD AND AT THE BOTTOM OF THE JOISTS. NO SPANNING OVER TO THE NEAREST JOIST. OVERALL INSTALLATION SHALL BE ACCOMPLISHED IN AN AESTHETIC AND WORKMANLIKE MANNER. COORDINATE CONDUIT ROUTING PLAN WITH GENERAL CONTRACTOR PRIOR TO ANY CONDUIT ROUGH-IN.

DIAGRAM A028 TYP. GYMNASIUM LIGHT FIXTURE MOUNTING
NTS



NOTE:
PROVIDE PHENOLIC ENGRAVED LABELS FOR SWITCHES AND CABINET.

1	CUT HOLE THRU PLEXIGLASS TO MOUNT SWITCH. PROVIDE STANDARD SWITCH PLATE (WHITE).
2	CUT HOLE THRU PLEXIGLASs FOR BACKBOARD SWITCHES. LEVITON 1221 - 2KL OR EQUAL .

DIAGRAM P004 SWITCHING CABINET
NTS

NOTES:
1. VERIFY DIMENSION WITH REQUIRED CLEARANCE FOR LIGHT FIXTURE FOR UNOBSTRUCTED MOVEMENT.
2. THEATRE LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
3. POWER STRIP AND TRACK MOUNTED TO BOTTOM CHORD OF STEEL JOIST. SEE ELECTRICAL DRAWINGS.
4. STEEL PIPE 2" DIAMETER PIPE WITH REQUIRED THREADED FITTINGS. ATTACHED TO BOTTOM CHORD OF JOIST.PAINT ALL STEEL PIPE AND FITTINGS. BLACK IN COLOUR.
5. STEEL JOIST. SEE STRUCTURAL DRAWINGS.
6. FASTEN PIPE TO BOTTOM CHORD OF JOIST WITH REQUIRED FITTINGS.
7. THREADED ELBOW FITTING.

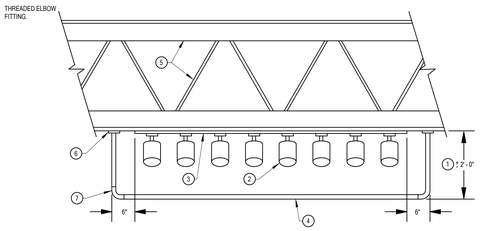


DIAGRAM A030 TYP. RECESSED FIXTURE MOUNTING
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E231

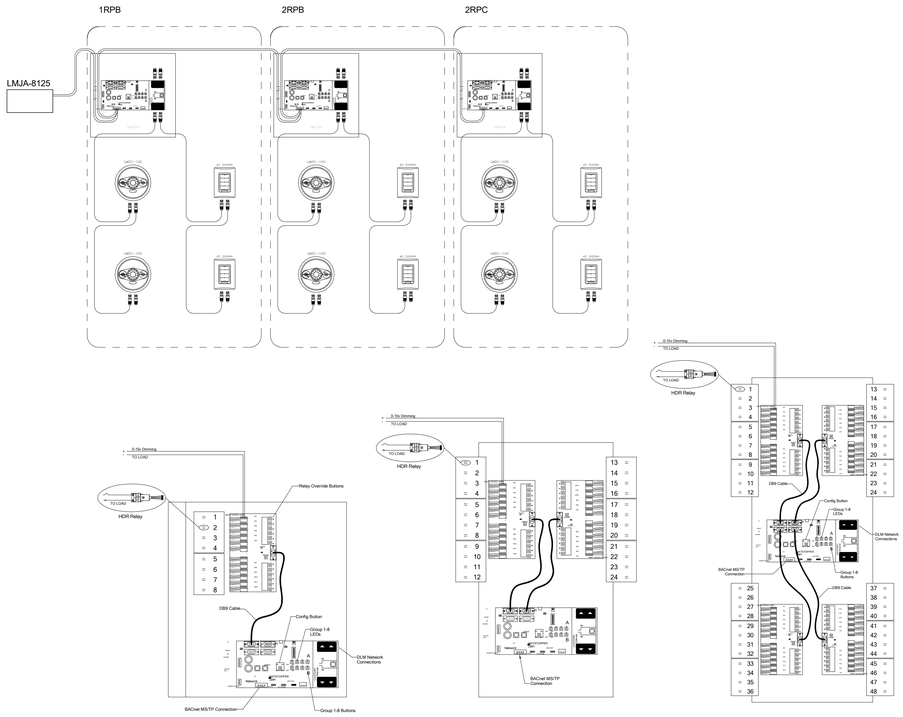

DIAGRAM WS04 LINE RISER
NTS

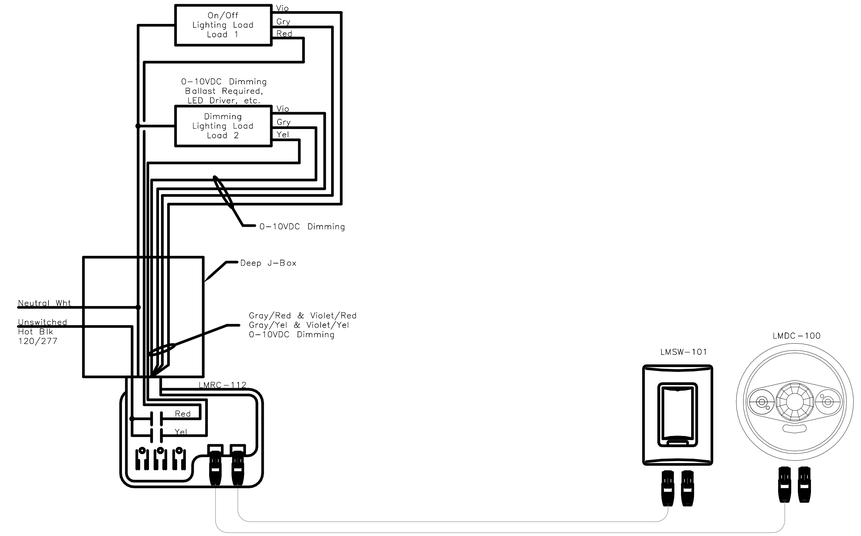

DIAGRAM WS06 2 ZONE DIMMING
NTS

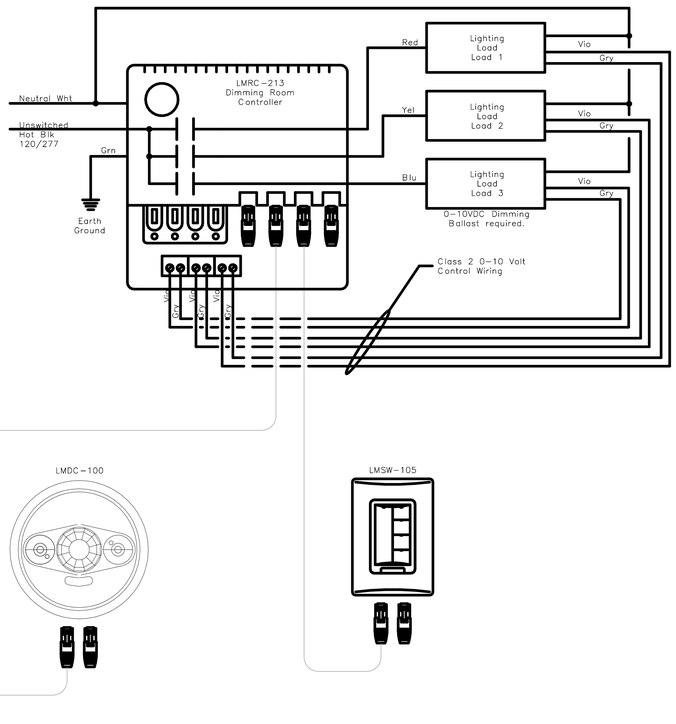

DIAGRAM WS07 3 ZONE DIMMING
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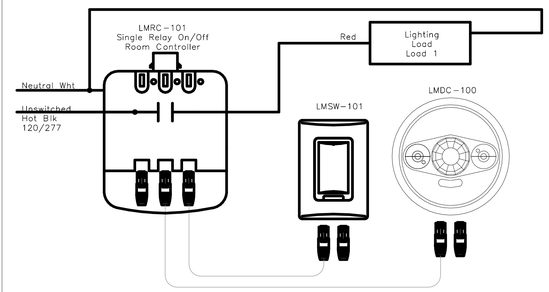

DIAGRAM WS05 1 ZONE ON OFF
NTS

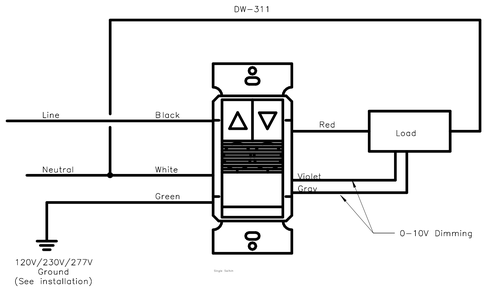

DIAGRAM WS02 WALL SWITCH SENSOR DIMMING
NTS

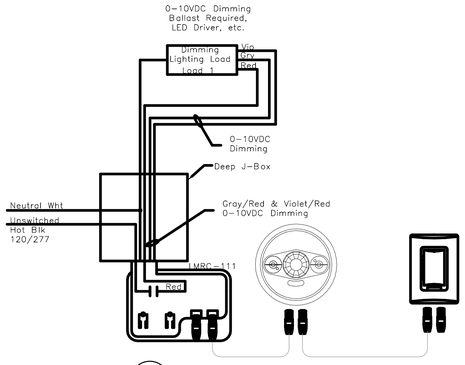

DIAGRAM WS03 1 ZONE DIMMING
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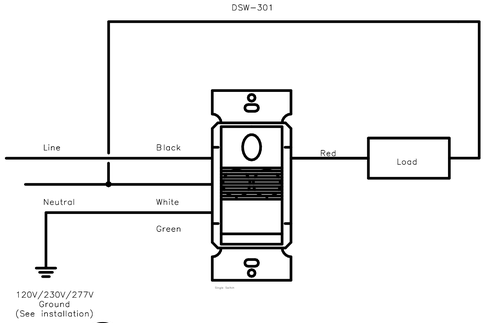

DIAGRAM WS01 WALL SWITCH SENSOR
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E232

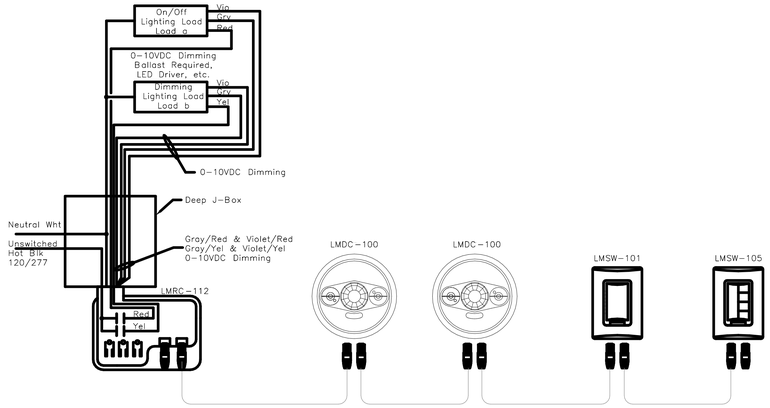

DIAGRAM WS09 CLASSROOM (TYP)
NTS

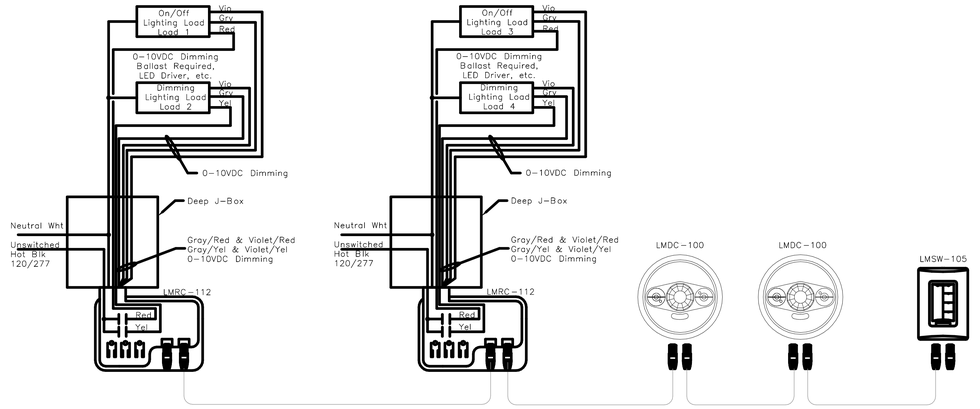

DIAGRAM WS08 4 ZONE DIMMING
NTS

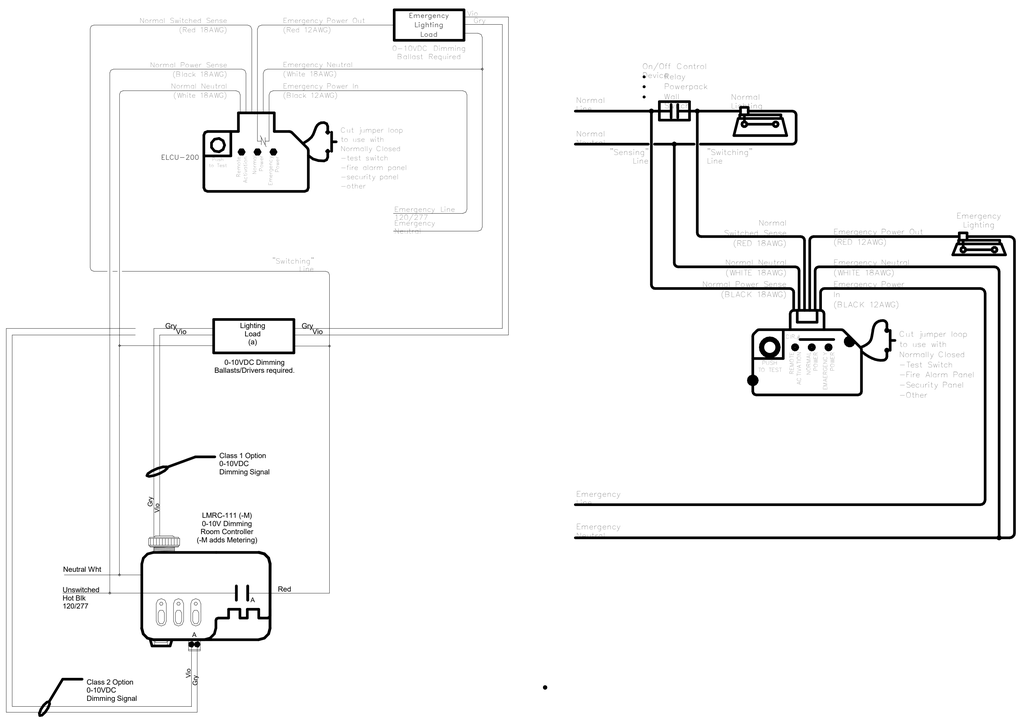

DIAGRAM WS11 EMERGENCY LIGHTING CONTROL UNIT
NTS

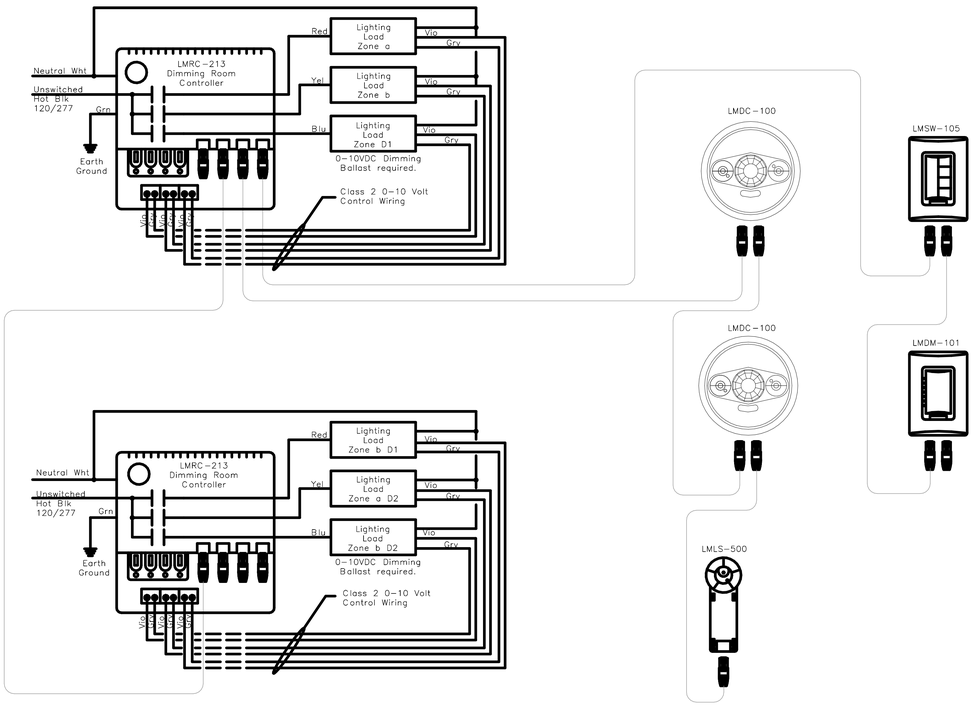

DIAGRAM WS10 CLASSROOM DAYLIGHT (TYP)
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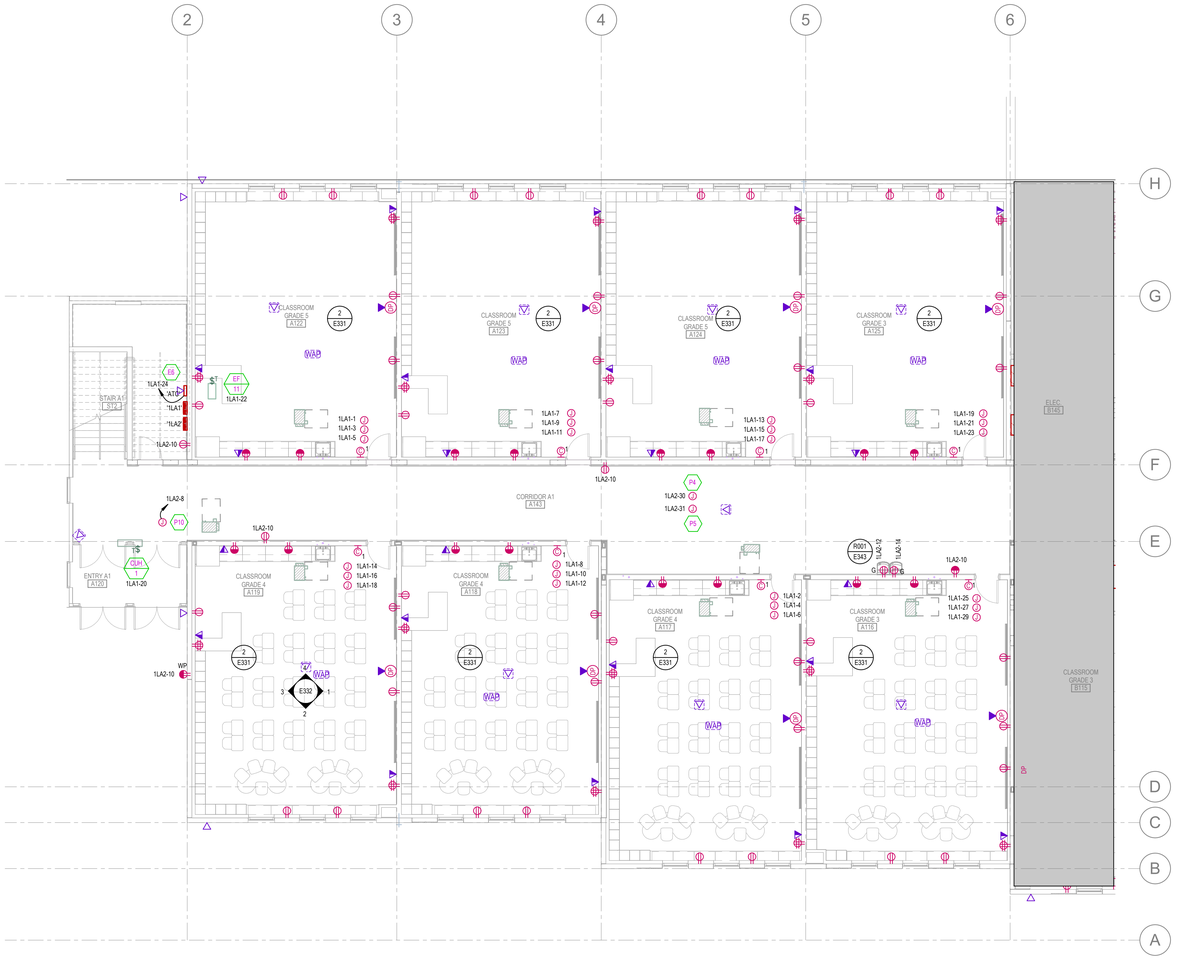
E233

GENERAL POWER SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

SHEET KEYNOTES

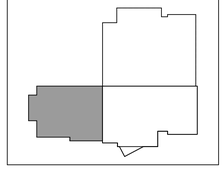
E6	PROVIDE POWER AND DATA CONNECTIONS FOR ATC PANEL/CONTROLS THROUGHOUT THE AREA. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTORS FOR EXACT REQUIREMENTS AND INSTALL ELECTRICAL INFRASTRUCTURE ACCORDINGLY.
P4	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR VAV CONTROL TRANSFORMER. CONTROLS CONTRACTOR TO MAKE CONNECTION TO CONTROL TRANSFORMER AND VAV BOXES. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH
P5	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FIRE/SMOKE DAMPERS. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
P10	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR DOOR HARDWARE EQUIPMENT E.G. ADA, POWER SUPPLIES, ETC. WIRE COMPLETELY TO ALL POWER AND ACCESS CONTROL RELATED DOOR HARDWARE EQUIPMENT. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH DOOR HARDWARE CONTRACTOR PRIOR TO ROUGH-IN.



MAIN LEVEL POWER PLAN - AREA A

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



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84318

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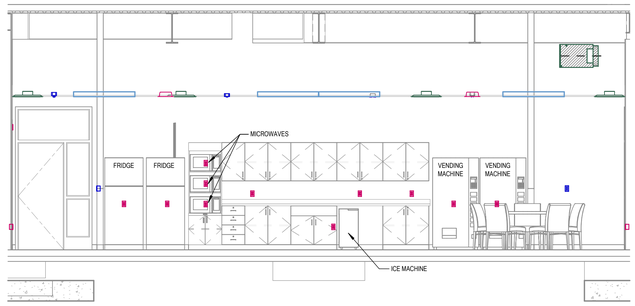
NWL PROJECT	0119.002



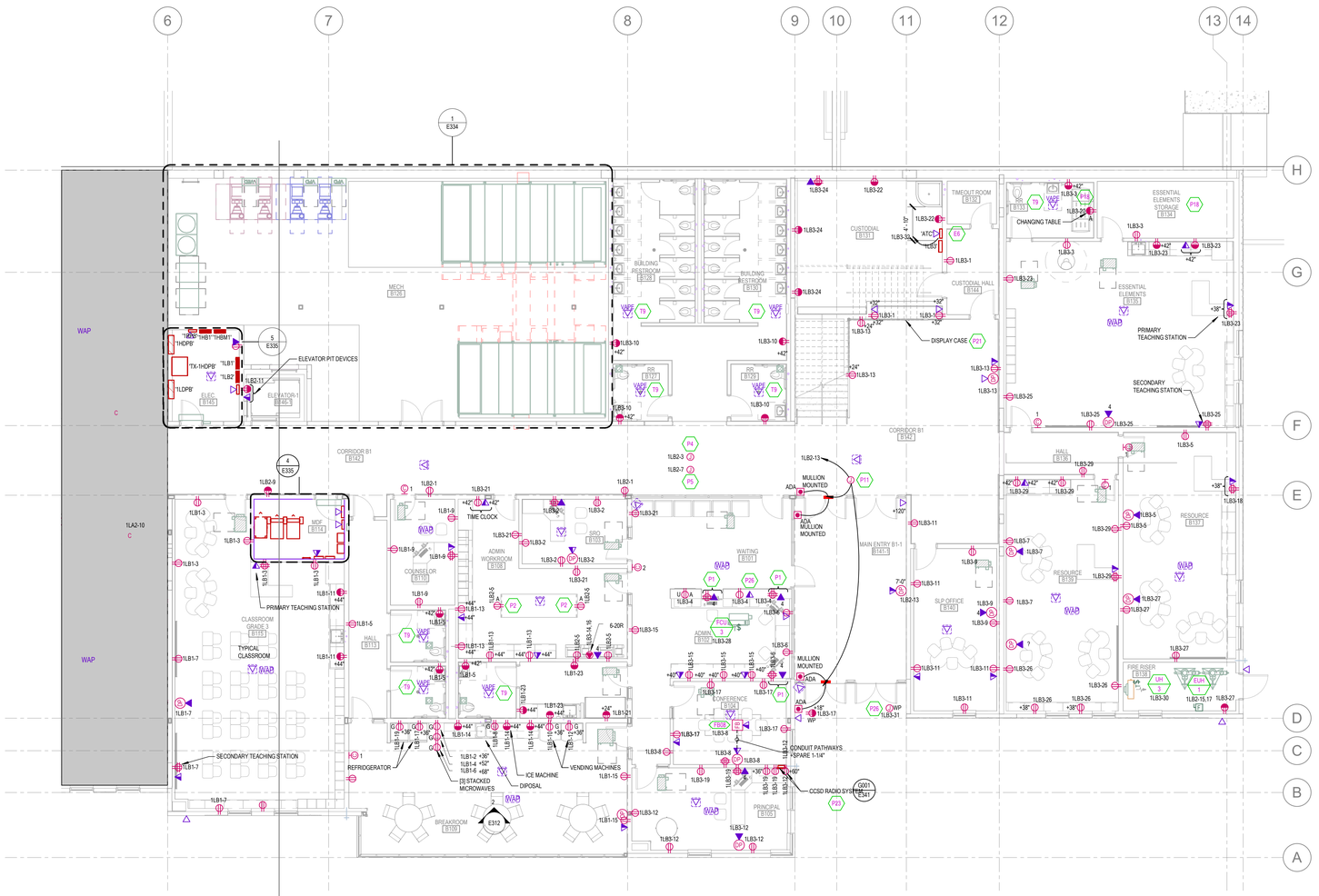
DATE	REVISION

MAIN LEVEL POWER PLAN - AREA A

E311



2 BREAKROOM NORTH ELEVATION VIEW
SCALE = 1/4" = 1'-0"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1LB3-24
1LB3-22
CUSTODIAL B131
TIMEOUT ROOM B132
CHANGING TABLE
ESSENTIAL ELEMENTS STORAGE B134
ESSENTIAL ELEMENTS B135
PRIMARY TEACHING STATION
SECONDARY TEACHING STATION
DISPLAY CASE P21
CUSTODIAL HALL B144
BUILDING RESTROOM B128
BUILDING RESTROOM B130
MECH B126
ELEVATOR PIT DEVICES
ELEVATOR-1 B146
ELEC B145
MDF B114
CORRIDOR B1 B142
CORRIDOR B1 B142
HALL B136
HALL B133
MULLION MOUNTED
ADA MULLION MOUNTED
MAIN ENTRY B1-1 B141
WAITING B101
ADMIN. WORKROOM B108
COUNSELOR B110
ADMIN. B102
CONFERENCE B103
PRINCIPAL B105
SRO B103
SUP.OFFICE B140
RESOURCE B159
RESOURCE B157
FIRE RISER B138
CLASSROOM GRADE 3 B115
TYPICAL CLASSROOM
BREAKROOM B109
TIME CLOCK
REFRIGERATOR
[3] STACKED MICROWAVES
ICE MACHINE
DISPOSAL
VENDING MACHINES
CONDUIT PATHWAYS +SPARE 1-1/4"
CCSD RADIO SYSTEM
WAP
WAB
VAPE
RR B127
RR B129
RR B154
RR B155
1LA2-10
1LB1-7
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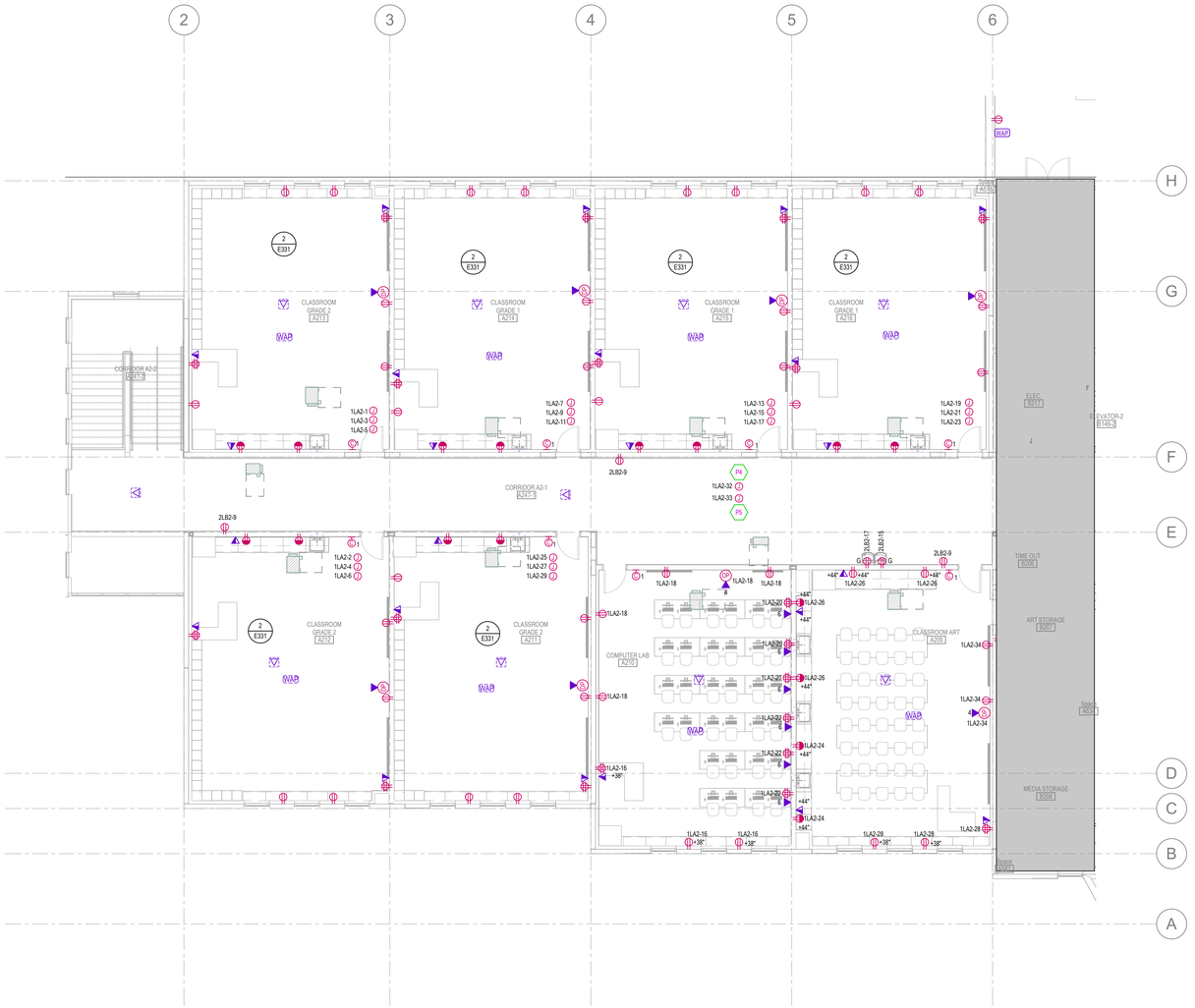


SECOND LEVEL POWER PLAN - AREA A

SCALE = 1/8" = 1'-0"

GENERAL POWER SHEET NOTES

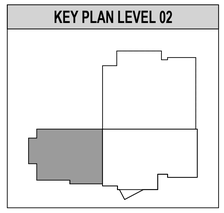
1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORTS/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

SHEET KEYNOTES

P4 PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR VAV CONTROL TRANSFORMER. CONTROLS CONTRACTOR TO MAKE CONNECTION TO CONTROL TRANSFORMER AND VAV BOXES. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH

P5 PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FIRE/SMOKE DAMPERS. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

KEY PLAN LEVEL 02



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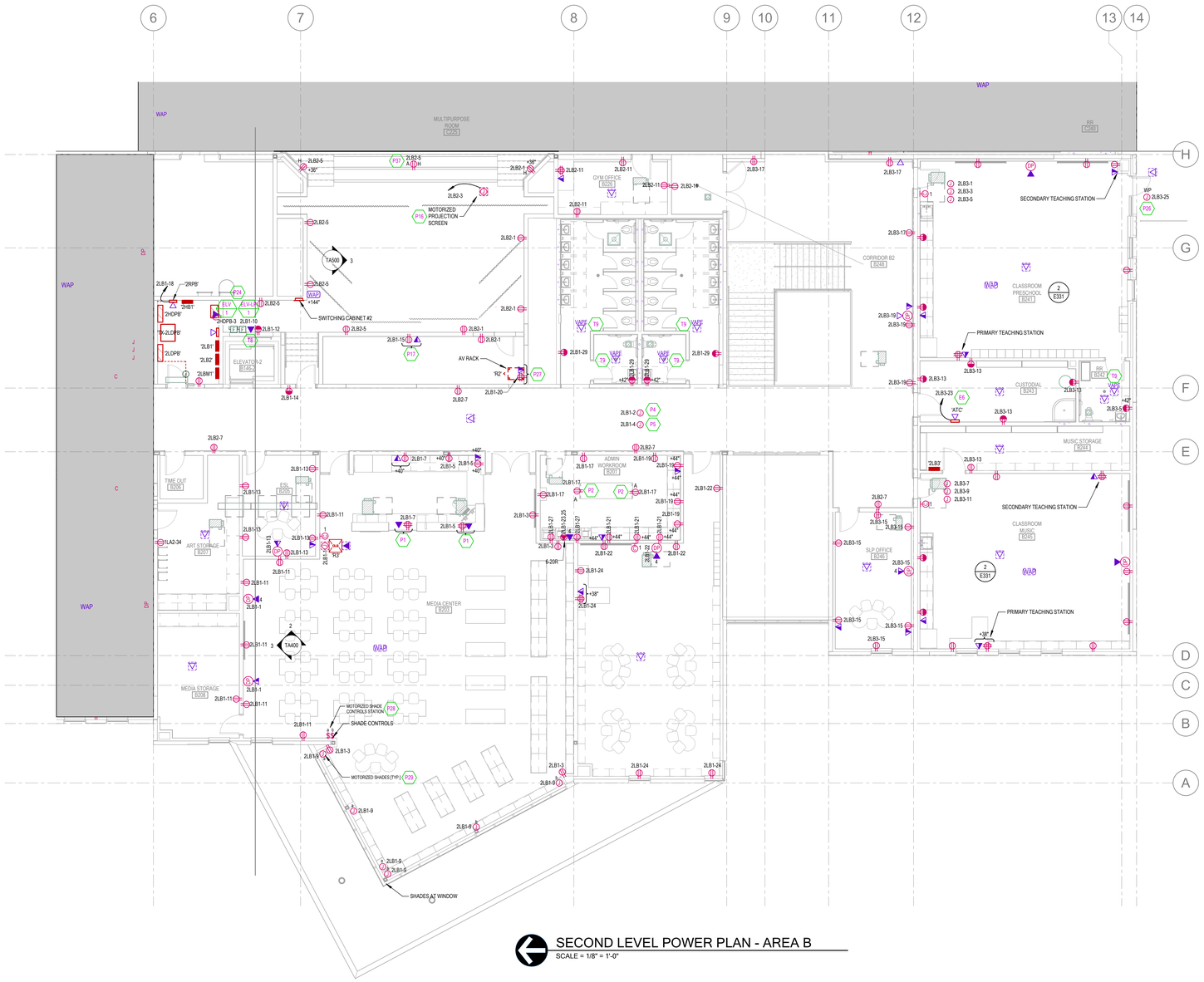
SECOND LEVEL
POWER PLAN - AREA A

E321



SECOND LEVEL POWER PLAN - AREA B

SCALE = 1/8" = 1'-0"

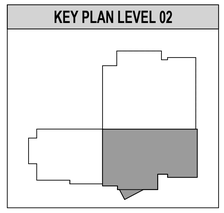
GENERAL POWER SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORTS/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

SHEET KEYNOTES

E6	PROVIDE POWER AND DATA CONNECTIONS FOR ATC PANEL/CONTROLS THROUGHOUT THE AREA. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTORS FOR EXACT REQUIREMENTS AND INSTALL ELECTRICAL INFRASTRUCTURE ACCORDINGLY.
P1	DEVICES LOCATED IN KNEESPACE OF MILLWORK. COORDINATE WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.
P2	LOCATE DEVICE(S) IN MILLWORK AND INSTALL BOX 2" BELOW COUNTERTOP. DEVICE TO BE INSTALLED WITH LONG DIMENSION PARALLEL TO FLOOR.
P4	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR VAV CONTROL TRANSFORMER. CONTROLS CONTRACTOR TO MAKE CONNECTION TO CONTROL TRANSFORMER AND VAV BOXES. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH
P5	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FIRE/SMOKE DAMPERS. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
P16	PROVIDE POWER TO MOTORIZED AV PROJECTION SCREEN. LOCATE AND TERMINATE COMPLETELY THE CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH AV CONTRACTOR AND SHOP DRAWINGS. PROVIDE AND LOCATE MOTORIZED PROJECTOR SWITCH IN SWITCHING CABINET #2.
P17	PROVIDE POWER AND DATA OUTLETS FOR STAGE PROJECTOR. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUGH-IN LOCATION AND REQUIREMENTS WITH AV INTEGRATOR.
P24	MACHINE ROOMLESS TYPE ELEVATOR. PROVIDE ELECTRICAL AND AUX CONNECTIONS PER ELEVATOR SHOP DRAWINGS. COORDINATE AND EXTEND CONDUIT, CONDUCTORS, AND CONTROL WIRING FROM ELEVATOR DISCONNECT TO ELEVATOR MOTOR AND CONTROLLER.
P26	PROVIDE CONNECTION TO HEAT TRACE ON PRIMARY AND SECONDARY ROOF DRAIN PIPING. FIELD VERIFY DOWNSPOUT LOCATION PRIOR TO ROUGH-IN. COORDINATE WITH DIVISION 23 PRIOR TO INSTALL.
P27	DEVICE MOUNTED BEHIND AV RACK. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL/AUDIOVISUAL ELEVATIONS AND WITH AV INSTALLER PRIOR TO ROUGH-IN. POWER, DATA AND AV JUNCTION BOXES SHALL BE INSTALLED IN THE SAME STUD/WALL CAVITY.
P28	WINDOW SHADE SWITCH(S) (WALL) AND CONTROLLER(S) LOCATION (ABOVE CEILING). PROVIDE POWER TO CONTROLLERS AND ALL CONDUIT, WIRE, ETC. REQUIRED FROM CONTROLLERS TO SHADE MOTORS. SHADING COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH SHADE SHOP DRAWINGS AND SHADE INSTALLER PRIOR TO ROUGH-IN.
P29	PROVIDE JUNCTION BOX ABOVE WINDOW FOR SHADE MOTOR(S). COORDINATE LOCATION OF JUNCTION BOX WITH SHOP DRAWINGS AND ARCHITECT SO THAT ALL ELECTRICAL CONNECTIONS ARE CONCEALED BY SHADE HEADER. PROVIDE CONDUIT AND ALL WIRE, TERMINATIONS ETC. TO SHADE CONTROLLER(S). GROUP MOTORS TOGETHER AS INDICATED e.g. 'a', 'b', 'c', 'd'.
P37	MOUNT DEVICES IN VERTICAL FACE OF THE SECOND RISER OR AS INSTRUCTED BY THE ARCHITECT. LOCATE NEXT TO AV DEVICES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
T8	PROVIDE A TOTAL OF 3 DATA DROPS TO ELEVATOR CONTROL CABINET. RUN DROPS TO NEAREST DATA ROOM. TELECOM AS REQUIRED. COORDINATE REQUIRED ELEVATOR COMMUNICATIONS LINE AND TERMINATE AS REQUIRED. LABEL 3RD CABLE AS FUTURE SECURITY ELEVATOR CAMERA POE CONNECTION. COORDINATE FINAL INSTALLATION REQUIREMENTS WITH ELEVATOR INSTALLER AND SHOP DRAWINGS PRIOR TO ROUGH-IN.
T9	FUTURE VAPE DETECTOR LOCATION. PROVIDE ROUGH-IN WITH FLUSH-MOUNTED SINGLE-GANG JUNCTION BOX, A 3/4" CONDUIT ROUTED TO AN ACCESSIBLE CEILING SPACE, AND ONE ORANGE-JACKETED CAT6A CABLE HOMERUN TO THE ASSIGNED TELECOMMUNICATIONS EQUIPMENT RACK. TERMINATE THE CAT6A CABLE AT THE VAPE DETECTOR END TO AN ORANGE CAT6A KEYSTONE JACK WITH A SINGLE-PORT SURFACE MOUNT BOX, AND THE OTHER END TERMINATE INTO THE ASSIGNED PATCH PANEL. PROVIDE A 20-FOOT SERVICE LOOP AT EACH VAPE DETECTOR LOCATION AND TEST ALL CABLING. ALL ACTIVE VAPE DETECTOR EQUIPMENT WILL BE OWNER-FURNISHED AND OWNER-INSTALLED.

KEY PLAN LEVEL 02



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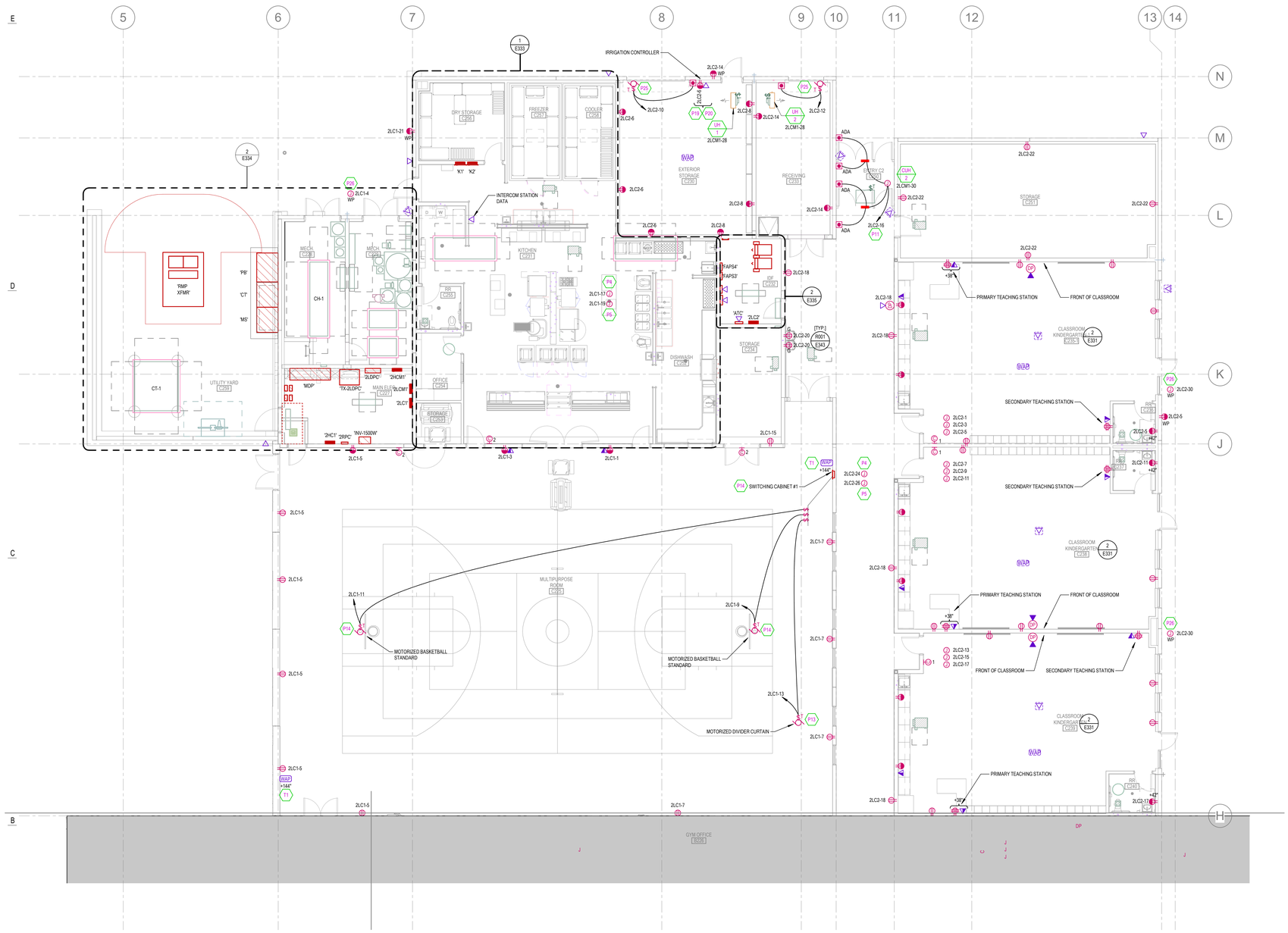
SECOND LEVEL POWER PLAN - AREA B

E322



SECOND LEVEL POWER PLAN - AREA C
SCALE = 1/8" = 1'-0"

GENERAL POWER SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC: AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORTS/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

SHEET KEYNOTES

P4	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR VAV CONTROL TRANSFORMER. CONTROLS CONTRACTOR TO MAKE CONNECTION TO CONTROL TRANSFORMER AND VAV BOXES. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH
P5	PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FIRE/SMOKE DAMPERS. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
P11	PROVIDE ELECTRICAL CONNECTIONS TO ADA ENTRY SYSTEM AS REQUIRED. LOCATE AND TERMINATE COMPLETELY DOOR OPERATORS E.G. PUSH-BUTTONS, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. VERIFY VOLTAGE AND NAMEPLATE POWER REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE CONNECTION TO DOOR OPENER/ACTUATOR TO ACCESS CONTROL SYSTEM. PROGRAM CARD READER AND ADAOPERATOR PER OWNERS REQUIREMENTS. PROVIDE UPDATED ELECTRICAL INFRASTRUCTURE AS REQUIRED UPDATE COORDINATE EXACT LOCATION OF ACTUATORS WITH ARCHITECT PRIOR TO ROUGH-IN. SEE ELECTRICAL DIAGRAM E015/E341 FOR MORE INFORMATION.
P13	WIRE DIVIDER CURTAIN MOTOR AS REQUIRED. LOCATE AND TERMINATE COMPLETELY THE DOOR CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A PRESSURIZED MOMENTARY SWITCH IN LIEU OF KEYED SWITCH (HUBBELL HBL1556I OR EQUIVALENT). PROVIDE AND LOCATE A SWITCH IN EACH SWITCHING CABINET #1 AND #2. SEE DIAGRAM P004/E420 FOR MORE INFORMATION.
P14	WIRE BASKETBALL STANDARD MOTOR AS REQUIRED. FIELD VERIFY FINAL STANDARD LOCATION PRIOR TO ROUGH-IN. LOCATE AND TERMINATE COMPLETELY THE CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A PRESSURIZED MOMENTARY SWITCH IN LIEU OF KEYED SWITCH (HUBBELL HBL1556I OR EQUIVALENT). PROVIDE AND LOCATE MOTORIZED BACKBOARD SWITCHES (NUMBER AS REQ.) IN SWITCHING CABINET. SEE DIAGRAM P004/E420 FOR MORE INFORMATION.
P19	EXTEND (3) 2" CONDUITS FROM IRRIGATION CONTROLLER OUT INTO LANDSCAPE AREA A MINIMUM OF 10' FROM BUILDING FOOTINGS. COORDINATE IRRIGATION CONTROLLER LOCATION AND CONDUIT "MEET ME" POINT WITH IRRIGATION CONTRACTOR AND LANDSCAPE DRAWINGS PRIOR TO ROUGH-IN.
P20	PROVIDE POWER AND DATA FOR IRRIGATION CONTROLLER. VERIFY CONNECTION TYPE AND PROVIDE CONNECTIONS REQUIRED. PROVIDE GROUNDING TO CONTROLLER THAT ACHIEVES LESS THAN 10 OHMS. COORDINATE EXACT TERMINATION LOCATION OF CONTROLLER WITH LANDSCAPE INSTALLER.
P25	PROVIDE ELECTRICAL CONNECTIONS TO OVERHEAD DOOR ASSEMBLY AS REQUIRED. LOCATE AND TERMINATE COMPLETELY THE DOOR CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. VERIFY VOLTAGE AND NAMEPLATE POWER REQUIREMENTS PRIOR TO ROUGH-IN.
P26	PROVIDE CONNECTION TO HEAT TRACE ON PRIMARY AND SECONDARY ROOF DRAIN PIPING. FIELD VERIFY DOWNSPOUT LOCATION PRIOR TO ROUGH-IN. COORDINATE WITH DIVISION 23 PRIOR TO INSTALL.
T1	WIRELESS ACCESS POINT OFOI. PROVIDE CABLING AS INDICATED. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

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VBFA BNA JOINING FORCES 2025

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DRAWING ISSUE	BID SET
ISSUE DATE	03/25/2025
NWL PROJECT	0119.002

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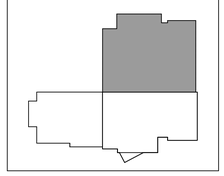
KEY PLAN LEVEL 02



SECOND LEVEL POWER PLAN - AREA C

E323



ROOF ELECTRICAL PLAN
SCALE = 1" = 10'-0"

GENERAL SHEET NOTES

1. **GENERAL COORDINATION:** COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING DRAWINGS TO AVOID CONFLICTS AND ENSURE PROPER INTEGRATION OF ALL SYSTEMS. VERIFY FINAL EQUIPMENT LOCATIONS AND MOUNTING DETAILS WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
2. **CONDUIT AND WIRING:** INSTALL ALL CONDUIT AND WIRING IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS. PROVIDE WEATHERPROOF AND UV-RATED CONDUIT, FITTINGS, AND JUNCTION BOXES SUITABLE FOR ROOFTOP AND EXTERIOR USE.
3. **EQUIPMENT CONNECTIONS:** PROVIDE ELECTRICAL CONNECTIONS TO ALL ROOF-MOUNTED MECHANICAL AND KITCHEN EQUIPMENT AS INDICATED ON THE PLANS AND PER MANUFACTURER'S REQUIREMENTS. VERIFY VOLTAGE, PHASE, AND LOAD REQUIREMENTS WITH MECHANICAL AND KITCHEN EQUIPMENT SCHEDULES.
4. **WEATHERPROOFING:** ALL ELECTRICAL INSTALLATIONS ON THE ROOF SHALL BE WEATHERPROOF AND CORROSION-RESISTANT. USE NEMA 3R, NEMA 4, OR NEMA 4X RATED ENCLOSURES AND FITTINGS WHERE EXPOSED TO THE ELEMENTS. SEAL ALL ROOF PENETRATIONS USING AN APPROVED ROOF FLASHING AND SEALING SYSTEM.
5. **SEAL TIGHT CONNECTIONS:** USE LIQUID-TIGHT FLEXIBLE CONDUIT AND FITTINGS FOR FINAL CONNECTIONS TO ALL ROOFTOP-MOUNTED EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT.
6. **SUPPORT AND ROUTING:** SUPPORT ALL CONDUIT AND EQUIPMENT PER NEC REQUIREMENTS. ROUTE CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SECURE AT REGULAR INTERVALS USING APPROVED SUPPORTS AND FASTENERS. ENSURE CONDUIT IS ELEVATED OFF THE ROOF SURFACE USING APPROVED STANDOFF SUPPORTS TO PREVENT WATER POOLING AND DAMAGE.
7. **DISCONNECTS:** PROVIDE A LOCKABLE, WEATHERPROOF DISCONNECT SWITCH WITHIN SIGHT OF EACH PIECE OF MECHANICAL EQUIPMENT, PER NEC REQUIREMENTS. ENSURE THAT DISCONNECTS ARE CLEARLY LABELED WITH THE CORRESPONDING EQUIPMENT DESIGNATION.
8. **COMBINATION STARTER/DISCONNECTS:** WHERE COMBINATION STARTER/DISCONNECTS ARE INDICATED OR WHERE REQUIRED, PROVIDE UNITS WITH PROPERLY SIZED OVERLOAD PROTECTION, CONTACTORS, AND SHORT-CIRCUIT PROTECTION PER MANUFACTURER AND DESIGN REQUIREMENTS. VERIFY COMPATIBILITY WITH CONNECTED EQUIPMENT.
9. **PHASING AND ROTATION:** FOR THREE-PHASE EQUIPMENT, CONFIRM PROPER PHASING AND ROTATION AFTER INSTALLATION. ADJUST AS NECESSARY TO ENSURE CORRECT MOTOR OPERATION.
10. **CONVENIENCE OUTLET:** PROVIDE A GFCI-PROTECTED, WEATHERPROOF CONVENIENCE OUTLET WITHIN **25 FEET** OF ALL ROOFTOP MECHANICAL AND KITCHEN EQUIPMENT, IN COMPLIANCE WITH **NEC 210.63**. OUTLET SHALL BE MOUNTED AT AN ACCESSIBLE LOCATION AND INSTALLED IN A **NEMA 3R OR NEMA 4X** RATED WEATHERPROOF ENCLOSURE WITH AN IN-USE COVER. VERIFY FINAL LOCATION WITH THE MECHANICAL CONTRACTOR AND COORDINATE WITH ROOFING DETAILS TO AVOID CONFLICTS.
11. **GROUNDING AND BONDING:** PROPERLY GROUND AND BOND ALL ELECTRICAL EQUIPMENT, CONDUIT, AND ROOFTOP STRUCTURES PER NEC REQUIREMENTS. VERIFY GROUNDING CONTINUITY AND RESISTANCE UPON COMPLETION OF INSTALLATION.
12. **FIRE DUCT DETECTORS:** PROVIDE POWER AND SIGNAL WIRING TO ALL DUCT-MOUNTED FIRE SMOKE DETECTORS AS SHOWN ON THE PLANS. COORDINATE WITH THE FIRE ALARM CONTRACTOR FOR INTEGRATION WITH THE FIRE ALARM SYSTEM. TEST ALL DUCT DETECTORS FOR PROPER OPERATION UPON INSTALLATION.
13. **CIRCUIT IDENTIFICATION:** CLEARLY LABEL ALL JUNCTION BOXES, DISCONNECTS, AND CONDUITS WITH EQUIPMENT DESIGNATIONS AND CIRCUIT NUMBERS. USE WEATHER-RESISTANT LABELS OR ENGRAVED NAMEPLATES WHERE EXPOSED TO THE ELEMENTS.
14. **LIGHTING PROTECTION:** COORDINATE WITH THE STRUCTURAL AND ELECTRICAL DESIGN TEAM TO CONFIRM IF LIGHTNING PROTECTION IS REQUIRED FOR ROOFTOP EQUIPMENT AND INFRASTRUCTURE. PROVIDE SURGE PROTECTION WHERE INDICATED ON THE PLANS.
15. **ROOF PENETRATIONS:** COORDINATE ALL ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR AND ROOFING CONTRACTOR. ENSURE THAT ALL PENETRATIONS ARE SEALED USING AN APPROVED ROOFING SYSTEM TO MAINTAIN THE ROOF WARRANTY.
16. **CLEARANCES:** MAINTAIN PROPER SERVICE CLEARANCES AROUND ALL ROOFTOP EQUIPMENT AND DISCONNECTS PER NEC AND MANUFACTURER REQUIREMENTS. ENSURE WALKWAYS AND SERVICE ACCESS AREAS ARE FREE OF OBSTRUCTIONS.
17. **SUPPORT OF LOW-VOLTAGE SYSTEMS:** SUPPORT LOW-VOLTAGE CONDUITS SEPARATELY FROM HIGH-VOLTAGE CONDUITS. ENSURE PROPER SEPARATION AND ROUTING OF SIGNAL WIRING TO PREVENT INTERFERENCE.
18. **PROTECTION DURING CONSTRUCTION:** PROTECT ALL ROOFTOP-MOUNTED ELECTRICAL EQUIPMENT AND CONDUITS FROM DAMAGE DURING CONSTRUCTION. REPAIR OR REPLACE DAMAGED COMPONENTS PRIOR TO PROJECT COMPLETION AT NO ADDITIONAL COST TO THE OWNER.

SHEET KEYNOTES

F6 PROVIDE FIRE ALARM SYSTEM DUCT DETECTOR(S) AS REQUIRED. COORDINATE WITH DIVISION 23 CONTRACTOR. FOR THE QUANTITY AND FOR MOUNTING IN MECHANICAL UNIT DUCT WORK.

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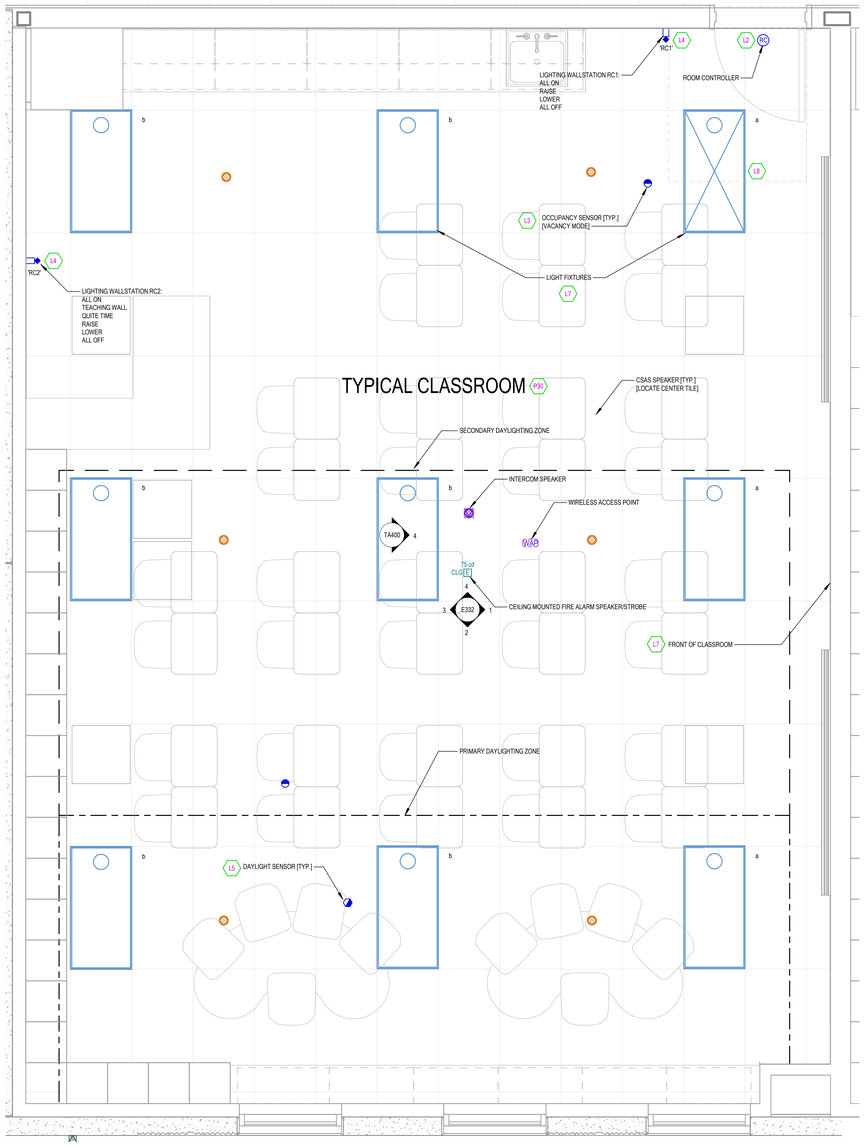
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037 STATE OF UTAH

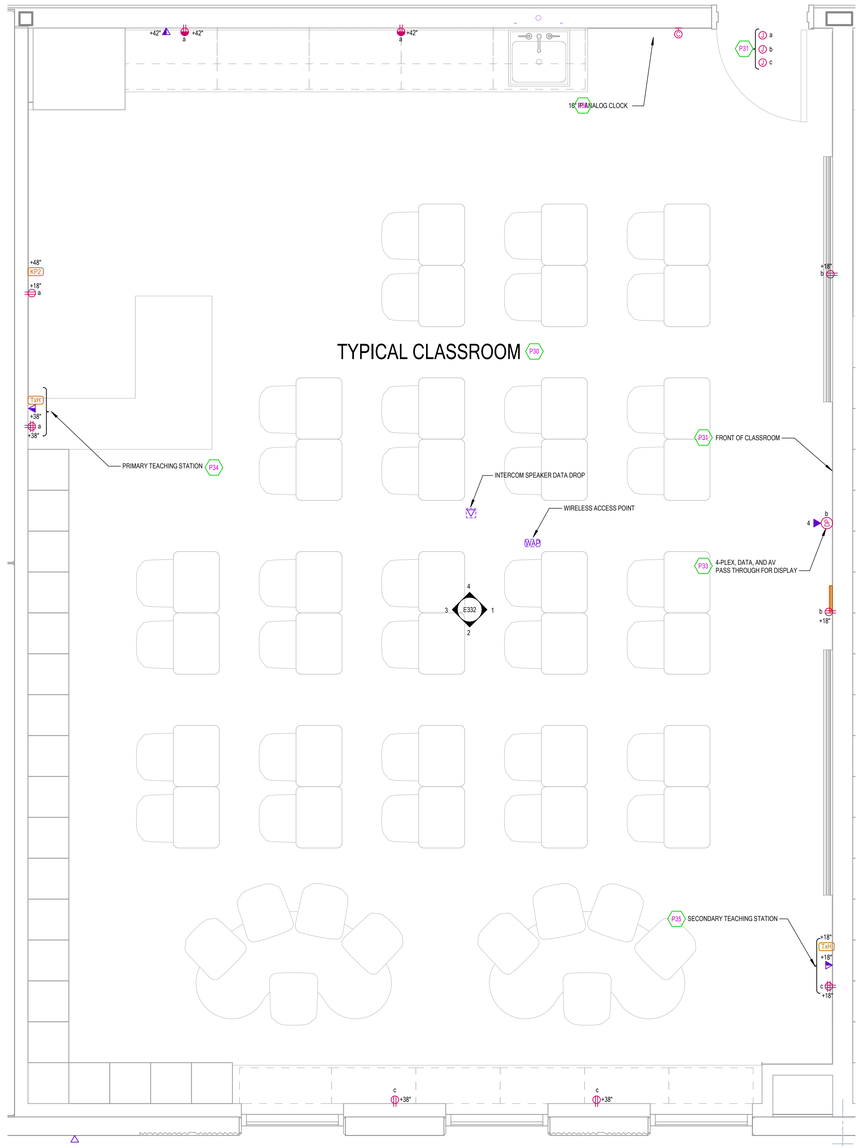
DATE	REVISION

ROOF ELECTRICAL PLAN

E330



1 TYPICAL CLASSROOM LIGHTING PLAN
SCALE = 1/2" = 1'-0"



2 TYPICAL CLASSROOM ELECTRICAL PLAN
SCALE = 1/2" = 1'-0"

GENERAL SHEET NOTES

1. **GENERAL COORDINATION:** COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND STRUCTURAL PLANS TO AVOID CONFLICTS AND ENSURE PROPER INTEGRATION OF ALL SYSTEMS.
2. **CLASSROOM MOCK-UP:** PROVIDE MOCK-UP OF ONE CLASSROOM THAT IS TYPICAL OF ALL CLASSROOMS AT THE BEGINNING OF THE ELECTRICAL, AV, AND SYSTEMS ROUGH-IN. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT SCHEDULING REQUIREMENTS. NOTIFY ENGINEER WHEN READY FOR INSPECTION.
3. EXACT ROOM LAYOUTS WILL VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
4. ALL CLASSROOM DEVICES LOCATED AT THE TEACHER STATION SHALL BE IN ONE STUD BAY. THE ADJACENT CLASSROOM SHALL BE IN THE OTHER STUD BAY. PROVIDE PUTTY PADS ON ALL DEVICES IN ONE STUD BAY.
5. **CONDUIT AND WIRING:** ALL CONDUIT, WIRING, AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
6. **DEVICE MOUNTING HEIGHTS:** MOUNT ALL DEVICES AT STANDARD HEIGHTS UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT. VERIFY FINAL HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE INSTALLATION.
7. **LIGHTING CONTROLS:** INSTALL LIGHTING CONTROLS, INCLUDING OCCUPANCY SENSORS, DAYLIGHT SENSORS, AND DIMMING SYSTEMS, IN ACCORDANCE WITH THE CONTROL DIAGRAMS, NARRATIVE, LATEST IECC, AND MANUFACTURER'S RECOMMENDATIONS
8. **EMERGENCY LIGHTING:** PROVIDE EMERGENCY BATTERY BACKUP LIGHTING IN ALL REQUIRED AREAS PER CODE. EMERGENCY LIGHTING SHALL BE FED FROM AN UNSWITCHED NORMAL CIRCUIT HOT LEG.
9. **FIRESTOPPING:** FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS USING AN APPROVED FIRESTOP SYSTEM IN ACCORDANCE WITH LOCAL BUILDING CODES AND MANUFACTURER'S SPECIFICATIONS.
10. **DEVICE COORDINATION:** COORDINATE ALL DEVICE LOCATIONS WITH CEILING GRID, FURNITURE LAYOUT, CASEWORK, AND ANY OTHER OBSTRUCTIONS. ADJUST AS NECESSARY TO MAINTAIN ALIGNMENT AND FUNCTIONALITY.
11. **CONDUIT ROUTING:** ROUTE ALL CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES, AVOID ROUTING OVER STRUCTURAL BEAMS AND OTHER OBSTRUCTIONS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
12. **DATA AND POWER:** PROVIDE SEPARATE CONDUITS FOR POWER AND DATA WIRING. MAINTAIN MINIMUM SEPARATION BETWEEN POWER AND LOW-VOLTAGE WIRING TO PREVENT INTERFERENCE.
13. **TESTING AND VERIFICATION:** TEST ALL SYSTEMS FOR PROPER OPERATION UPON COMPLETION. ADJUST AND BALANCE LIGHTING LEVELS AND CONTROL SYSTEMS AS REQUIRED TO MEET DESIGN INTENT.
14. **GROUNDING:** PROVIDE PROPER GROUNDING FOR ALL ELECTRICAL SYSTEMS AND EQUIPMENT PER NEC REQUIREMENTS.
15. **SWITCHING:** GROUP LIGHTING SWITCHES LOGICALLY AND IN ALIGNMENT WITH ROOM LAYOUTS AND OCCUPANT USE. VERIFY FINAL SWITCH LOCATIONS WITH THE ARCHITECT.
16. **CIRCUIT IDENTIFICATION:** LABEL ALL PANELBOARDS, CIRCUITS, AND JUNCTION BOXES CLEARLY AND ACCURATELY PER THE ELECTRICAL SCHEDULE.
17. **CEILING GRID COORDINATION:** ALIGN LIGHT FIXTURES, SENSORS, AND OTHER CEILING-MOUNTED DEVICES WITH THE CEILING GRID FOR A UNIFORM AND CLEAN INSTALLATION.
18. **POWER REQUIREMENTS:** ENSURE THAT ALL RECEPTACLES, LIGHTING, AND EQUIPMENT HAVE ADEQUATE POWER SUPPLY, AND CONFIRM CIRCUIT LOADING DOES NOT EXCEED DESIGN LIMITS.
19. **DIMMING COMPATIBILITY:** ENSURE ALL DIMMABLE FIXTURES ARE COMPATIBLE WITH THE SPECIFIED CONTROL SYSTEM AND WIRING.
20. **LOW-VOLTAGE SYSTEMS:** COORDINATE INSTALLATION OF LOW-VOLTAGE SYSTEMS (E.G., DATA, AUDIOVISUAL, INTERCOM, AND SECURITY) WITH THE LOW-VOLTAGE CONTRACTOR AND PROVIDE NECESSARY INFRASTRUCTURE.
21. **CLASSROOM ORIENTATION:** VERIFY THE ORIENTATION OF THE FRONT OF THE CLASSROOM AND ENSURE LIGHTING AND CONTROLS ARE INSTALLED ACCORDINGLY.
22. **DOCUMENTATION:** PROVIDE AS-BUILT DRAWINGS AND DOCUMENTATION OF ALL SYSTEMS UPON PROJECT COMPLETION.
23. **CONTRACTOR RESPONSIBILITY:** THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK MEETS DESIGN SPECIFICATIONS, CODE REQUIREMENTS, AND THE OWNER'S FUNCTIONAL INTENT.

SHEET KEYNOTES

L2	PROVIDE ROOM CONTROLLER BASED LIGHTING CONTROL SYSTEM. PROVIDE THE REQUIRED NUMBER OF RELAYS AND DIMMING ZONES AS INDICATED ON PLANS. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR, ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAR THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAMS AND SHOP DRAWINGS FOR MORE INFORMATION.
L3	PROVIDE DUAL-TECHNOLOGY OCCUPANCY SENSOR(S) AS SHOWN. POSITION SENSOR(S) PER MANUFACTURER'S SHOP DRAWINGS, CENTERED WITHIN CEILING TILES. SENSOR SHALL INCLUDE AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE EXACT LOCATIONS WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR. PROVIDE ADDITIONAL SENSORS AS NEEDED TO ENSURE COMPLETE COVERAGE OF THE ROOM.
L4	PROVIDE LOW VOLTAGE WALLSTATION AS SHOWN. SEE NARRATIVE OR AND/OR WALLSTATION LAYOUTS FOR CONFIGURATIONS.
L5	PROVIDE ROOM CONTROLLER BASED DAYLIGHT SENSOR AND ZONE CONTROLS IN COMPLIANCE WITH IECC-2021 C405. POSITION DAYLIGHT SENSOR(S) PER THE MANUFACTURER'S RECOMMENDATIONS TO ENSURE PROPER COVERAGE WITHIN THE SPACE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE USING A DAYLIGHT SENSOR (PHOTODIODE) AND CONNECT TO 0-10V DRIVERS AS REQUIRED. PROVIDE ALL NECESSARY INFRASTRUCTURE TO MEET IECC-2021 REQUIREMENTS FOR DAYLIGHT AND CONTROL ZONES AS SHOWN.
L7	REFER TO AREA LIGHTING FLOOR PLANS FOR FRONT-OF-CLASSROOM ORIENTATION. WIRE CLASSROOM LIGHTING ACCORDING TO THE TYPICAL CLASSROOM WIRING DIAGRAM TO ENSURE PROPER CONTROL FUNCTIONALITY.
L8	PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK FOR ILLUMINATION DURING POWER OUTAGES. PROVIDE AN UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING, AND WIRE THE FIXTURE ACCORDINGLY.
P30	TYPICAL CLASSROOM LAYOUT. ALL OTHER CLASSROOMS SHALL FOLLOW THE BASIC PRINCIPLES OF THE LAYOUT SHOWN ON THIS TYPICAL CLASSROOM PLAN. DIVISION 26 SHALL COORDINATE WITH THE OVERALL CONSTRUCTION PLANS AND ADJUST AS NEEDED TO ACCOMMODATE VARIATIONS IN CLASSROOM LAYOUT, ORIENTATION, AND ANY ADDITIONAL DEVICES OR MODIFICATIONS INDICATED ON THE OVERALL PLANS. SUBMIT AN RFI IF CLARIFICATION IS NEEDED.
P31	TERMINATE CLASSROOM BRANCH CIRCUIT HOME RUNS IN J-BOXES NEAR CLASSROOM ENTRY DOOR AND ABOVE ACCESSIBLE CEILING. LABEL BOXES ACCORDINGLY. SEE POWER PLANS FOR EXACT BRANCH CIRCUIT DESIGNATIONS. DISTRIBUTE BRANCH CIRCUITS TO DEVICES AND EQUIPMENT AS REQUIRED.
P33	PROVIDE DISPLAY BOX AS AND ASSOCIATED ELECTRICAL ROUGH-IN AS SHOWN. COORDINATE DISPLAY BOX LOCATION AND HEIGHT WITH OWNER PROVIDED MOUNT AND INTERACTIVE DISPLAY PRIOR TO ANY ROUGH-IN. BOX SHALL BE MOUNTED BETWEEN PLYWOOD DISPLAY BACKING. SEE TA SERIES OF DRAWINGS FOR ADDITIONAL REQUIREMENTS.
P34	PRIMARY TEACHING STATION. PROVIDE POWER, DATA, LIGHTING, AND AV DEVICES AS SHOWN AND AS REQUIRED. PROVIDE A MINIMUM OF 3-1/2" CLEARANCE BETWEEN DEVICE LOCATIONS AND ADJACENT MILLWORK/WARDROBE CABINET. COORDINATE ALL DEVICE LOCATIONS WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN TO ENSURE DEVICES ARE OUTSIDE OF CABINET DOOR SWING.
P35	SECONDARY TEACHING STATION. PROVIDE POWER, DATA, AND AV DEVICES AS SHOWN AND AS REQUIRED PER AV DRAWINGS.
P36	PROVIDE 16" ANALOG IP TELECOR INTERCOM WALL-MOUNTED CLOCK. PROVIDE A 4-11/16" SQUARE JUNCTION BOX WITH A 1-1/2" EXTENSION, A DOUBLE-GANG MUDRING, AND A GROMMETED 1-1/4" PASS-THROUGH PLATE. INSTALL A DATA DROP AS INDICATED, USING A SURFACE OR BISCUIT DATA BOX, AND TERMINATE THE CABLE AS REQUIRED. PROVIDE AND INSTALL A PATCH CORD, AND MOUNT THE WALL CLOCK OVER THE ELECTRICAL BOX ACCORDINGLY. REFER TO TA SHEETS AND INTERCOM SPECIFICATIONS FOR ADDITIONAL CLOCK REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

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PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037
STATE OF UTAH

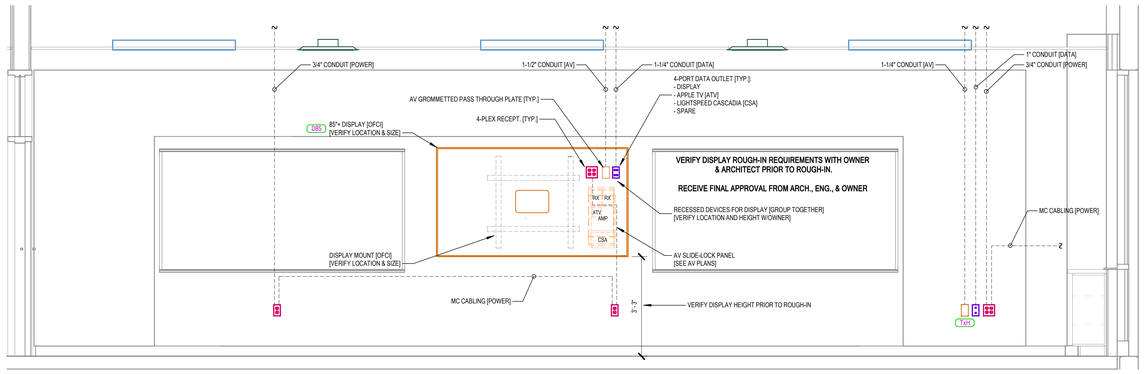
DATE	REVISION

TYPICAL CLASSROOM ELECTRICAL PLANS

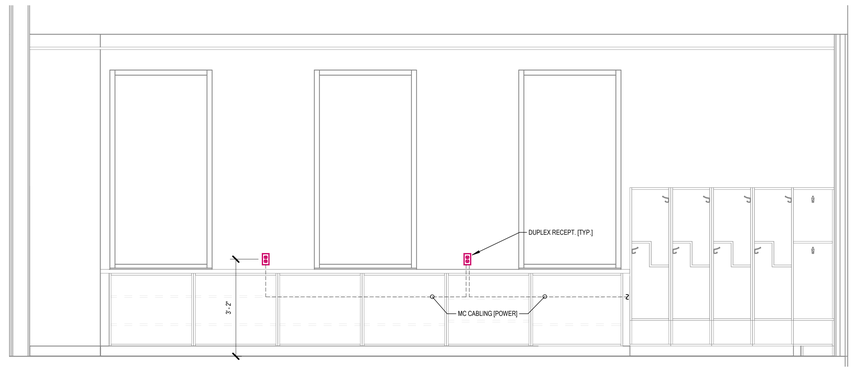
E331

GENERAL SHEET NOTES

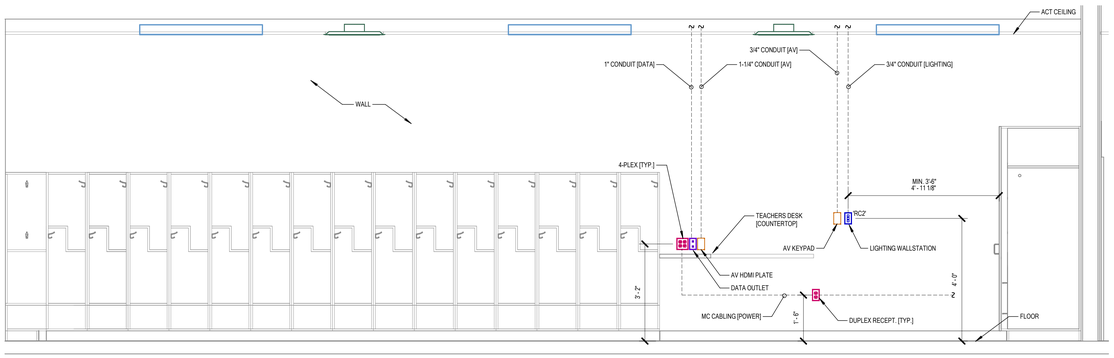
1. **GENERAL COORDINATION:** COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND STRUCTURAL PLANS TO AVOID CONFLICTS AND ENSURE PROPER INTEGRATION OF ALL SYSTEMS.
2. **CLASSROOM MOCK-UP:** PROVIDE MOCK-UP OF ONE CLASSROOM THAT IS TYPICAL OF ALL CLASSROOMS AT THE BEGINNING OF THE ELECTRICAL, AV, AND SYSTEMS ROUGH-IN. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT SCHEDULING REQUIREMENTS. NOTIFY ENGINEER WHEN READY FOR INSPECTION.
3. EXACT ROOM LAYOUTS WILL VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
4. ALL CLASSROOM DEVICES LOCATED AT THE TEACHER STATION SHALL BE IN ONE STUD BAY. THE ADJACENT CLASSROOM SHALL BE IN THE OTHER STUD BAY. PROVIDE PUTTY PADS ON ALL DEVICES IN ONE STUD BAY.
5. **CONDUIT AND WIRING:** ALL CONDUIT, WIRING, AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
6. **DEVICE MOUNTING HEIGHTS:** MOUNT ALL DEVICES AT STANDARD HEIGHTS UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT. VERIFY FINAL HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE INSTALLATION.
7. **LIGHTING CONTROLS:** INSTALL LIGHTING CONTROLS, INCLUDING OCCUPANCY SENSORS, DAYLIGHT SENSORS, AND DIMMING SYSTEMS, IN ACCORDANCE WITH THE CONTROL DIAGRAMS, NARRATIVE, LATEST IECC, AND MANUFACTURER'S RECOMMENDATIONS
8. **EMERGENCY LIGHTING:** PROVIDE EMERGENCY BATTERY BACKUP LIGHTING IN ALL REQUIRED AREAS PER CODE. EMERGENCY LIGHTING SHALL BE FED FROM AN UNSWITCHED NORMAL CIRCUIT HOT LEG.
9. **FIRESTOPPING:** FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS USING AN APPROVED FIRESTOP SYSTEM IN ACCORDANCE WITH LOCAL BUILDING CODES AND MANUFACTURER'S SPECIFICATIONS.
10. **DEVICE COORDINATION:** COORDINATE ALL DEVICE LOCATIONS WITH CEILING GRID, FURNITURE LAYOUT, CASEWORK, AND ANY OTHER OBSTRUCTIONS. ADJUST AS NECESSARY TO MAINTAIN ALIGNMENT AND FUNCTIONALITY.
11. **CONDUIT ROUTING:** ROUTE ALL CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES, AVOID ROUTING OVER STRUCTURAL BEAMS AND OTHER OBSTRUCTIONS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
12. **DATA AND POWER:** PROVIDE SEPARATE CONDUITS FOR POWER AND DATA WIRING. MAINTAIN MINIMUM SEPARATION BETWEEN POWER AND LOW-VOLTAGE WIRING TO PREVENT INTERFERENCE.
13. **TESTING AND VERIFICATION:** TEST ALL SYSTEMS FOR PROPER OPERATION UPON COMPLETION. ADJUST AND BALANCE LIGHTING LEVELS AND CONTROL SYSTEMS AS REQUIRED TO MEET DESIGN INTENT.
14. **GROUNDING:** PROVIDE PROPER GROUNDING FOR ALL ELECTRICAL SYSTEMS AND EQUIPMENT PER NEC REQUIREMENTS.
15. **SWITCHING:** GROUP LIGHTING SWITCHES LOGICALLY AND IN ALIGNMENT WITH ROOM LAYOUTS AND OCCUPANT USE. VERIFY FINAL SWITCH LOCATIONS WITH THE ARCHITECT.
16. **CIRCUIT IDENTIFICATION:** LABEL ALL PANELBOARDS, CIRCUITS, AND JUNCTION BOXES CLEARLY AND ACCURATELY PER THE ELECTRICAL SCHEDULE.
17. **CEILING GRID COORDINATION:** ALIGN LIGHT FIXTURES, SENSORS, AND OTHER CEILING-MOUNTED DEVICES WITH THE CEILING GRID FOR A UNIFORM AND CLEAN INSTALLATION.
18. **POWER REQUIREMENTS:** ENSURE THAT ALL RECEPTACLES, LIGHTING, AND EQUIPMENT HAVE ADEQUATE POWER SUPPLY, AND CONFIRM CIRCUIT LOADING DOES NOT EXCEED DESIGN LIMITS.
19. **DIMMING COMPATIBILITY:** ENSURE ALL DIMMABLE FIXTURES ARE COMPATIBLE WITH THE SPECIFIED CONTROL SYSTEM AND WIRING.
20. **LOW-VOLTAGE SYSTEMS:** COORDINATE INSTALLATION OF LOW-VOLTAGE SYSTEMS (E.G., DATA, AUDIOVISUAL, INTERCOM, AND SECURITY) WITH THE LOW-VOLTAGE CONTRACTOR AND PROVIDE NECESSARY INFRASTRUCTURE.
21. **CLASSROOM ORIENTATION:** VERIFY THE ORIENTATION OF THE FRONT OF THE CLASSROOM AND ENSURE LIGHTING AND CONTROLS ARE INSTALLED ACCORDINGLY.
22. **DOCUMENTATION:** PROVIDE AS-BUILT DRAWINGS AND DOCUMENTATION OF ALL SYSTEMS UPON PROJECT COMPLETION.
23. **CONTRACTOR RESPONSIBILITY:** THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK MEETS DESIGN SPECIFICATIONS, CODE REQUIREMENTS, AND THE OWNER'S FUNCTIONAL INTENT.



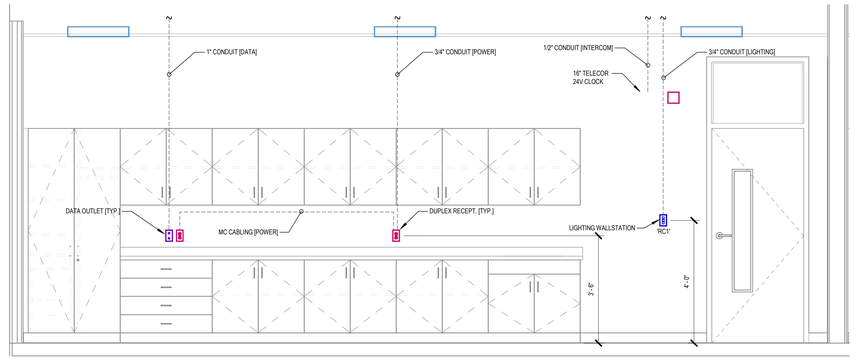
1 TYPICAL FRONT CLASSROOM - ELEV. #1
SCALE = 1/2" = 1'-0"



2 TYPICAL EXT. WALL CLASSROOM - ELEV. #2
SCALE = 1/2" = 1'-0"



3 TYPICAL REAR CLASSROOM - ELEV. #3
SCALE = 1/2" = 1'-0"



4 TYPICAL CORRIDOR WALL CLASSROOM - ELEV. #4
SCALE = 1/2" = 1'-0"

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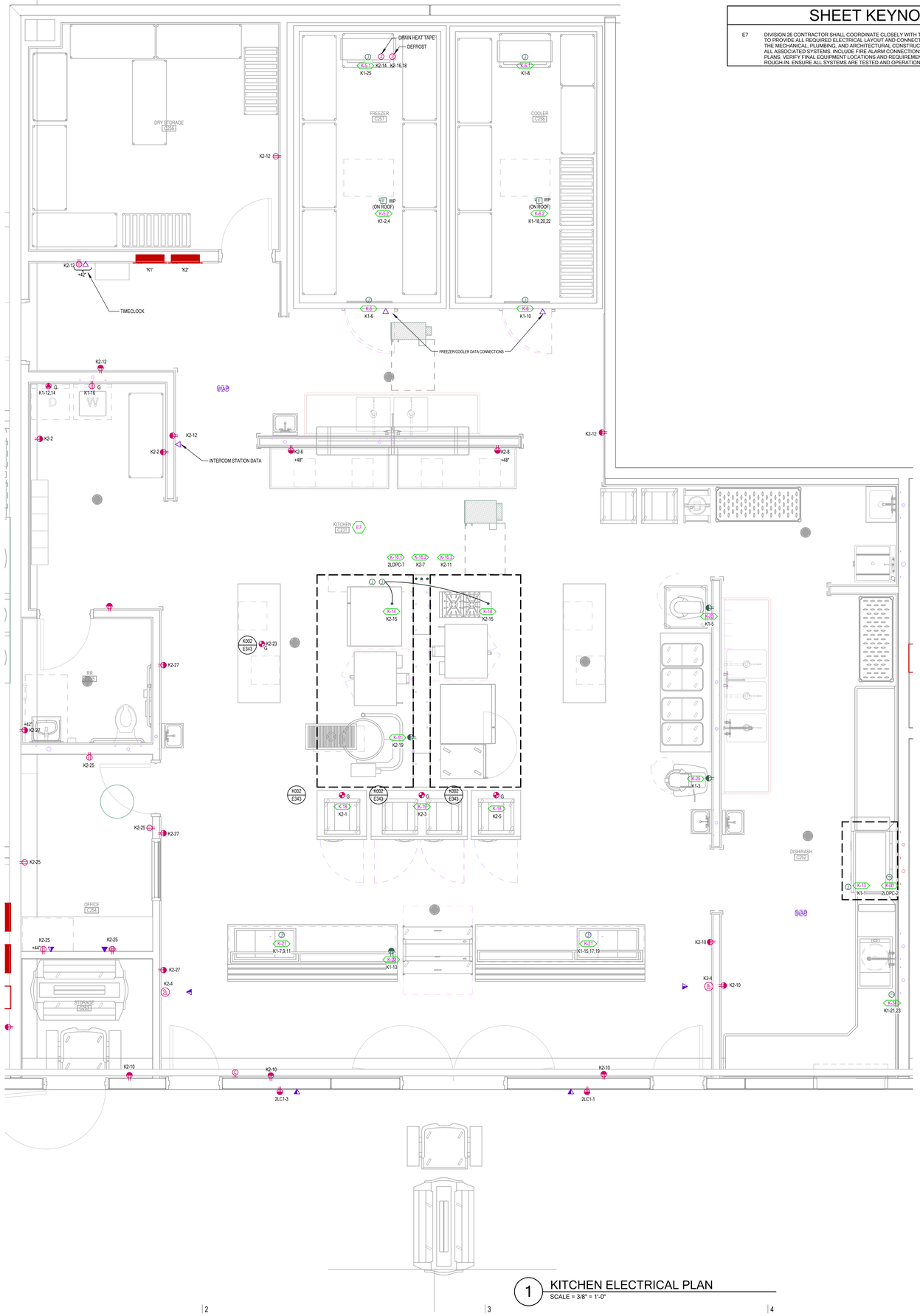
TYPICAL CLASSROOM ELEVATION PLAN

E332



1 KITCHEN ELECTRICAL PLAN
SCALE = 3/8" = 1'-0"

SHEET KEYNOTES

E7 DIVISION 26 CONTRACTOR SHALL COORDINATE CLOSELY WITH THE KITCHEN EQUIPMENT CONTRACTOR (KEC) TO PROVIDE ALL REQUIRED ELECTRICAL LAYOUT AND CONNECTIONS FOR KITCHEN EQUIPMENT. WORK WITH THE MECHANICAL, PLUMBING, AND ARCHITECTURAL CONSTRUCTION TO ENSURE PROPER ALIGNMENT WITH ALL ASSOCIATED SYSTEMS. INCLUDE FIRE ALARM CONNECTIONS AND INTERFACES AS SHOWN ON THE PLANS. VERIFY FINAL EQUIPMENT LOCATIONS AND REQUIREMENTS WITH THE KEC AND OWNER PRIOR TO ROUGH-IN. ENSURE ALL SYSTEMS ARE TESTED AND OPERATIONAL UPON COMPLETION.

KITCHEN EQUIPMENT SCHEDULE

GENERAL NOTES:

1.EQUIPMENT SHOWN IS FOR ELECTRICAL INFORMATION ONLY. THERE IS NO REFERENCE TO THE QUANTITY OF EQUIPMENT LOCATED IN EACH SPACE.

2. THE UTILITY DISTRIBUTION SYSTEM (UDS) IS SUPPLIED WITH AN INTEGRAL LOAD-CENTER. ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE POINTCONNECTION TO THE LOAD CENTER THE UDS IS SUPPLIED WITH HEAVY DUTY CORDS WITH RESTRAINING DEVICES. THE ELECTRICAL CONTRACTOR SHALLINSTALL THE CORDS AS REQUIRED. COORDINATE WITH THE KEC FOR REMOVAL OF ANY CORDS, OR FOR ADDITIONAL MATERIALS REQUIRED TO COMPLETE THE INSTALLATION OF EACH DEVICE.

3. PER NEC 50.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN PHASE CONDUCTOR.

4. CONTRACTOR SHALL REFER TO FOOD SERVICE EQUIPMENT INSTALLATION DRAWINGS FOR ALL DEVICE AND HARDWARE CONNECTION DIMENSIONSINCLUDING MOUNTING HEIGHTS FOR ALL DEVICES SERVING FOOD SERVICE EQUIPMENT.

5. EQUIPMENT CONNECTIONS, VOLTAGES, AMPERAGES AND DEVICE RATINGS INDICATED IN THE KITCHEN EQUIPMENT SCHEDULE ARE BASED UPON THELATEST DRAWINGS, SPECIFICATIONS AND CUTSHEETS THAT COULD BE PROCURED FROM THE FOOD SERVICE CONSULTANT'S DOCUMENTS. PRIOR TO FINALCONNECTION THE CONTRACTOR SHALL VERIFY THE CONNECTION REQUIREMENTS WITH THE MOST CURRENT FOOD SERVICE DOCUMENTS - KITCHEN EQUIPMENT CONTRACTOR (KEC). ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.

6. PROVIDE ALL CONDUITS REQUIRED FOR REFRIGERATION AND BEVERAGE SYSTEM LINES.

7. PROVIDE FLEXIBLE CONDUIT AND FITTINGS AS REQUIRED FOR KITCHEN EQUIPMENT THAT WILL BE CONNECTED PERMANENTLY. ALLOW ENOUGH SLACK TO MOVE EQUIPMENT FOR CLEANING.

8. COORDINATE WITH PLUMBING AND MECHANICAL PIPING TO AVOID CONFLICTS.

9. PROVIDE ALL INTERCONNECTING CONDUIT AND WIRE BETWEEN EACH DISPENSER AND THE SWITCH AND ALL COMPONENTS.

10. PRE-FABRICATED COLD STORAGE ROOMS (CSR) (WALK-IN COOLER/FREEZER): PROVIDE ALL INTERCONNECTING CONDUIT, SEAL-OFFS, SEALANT, WIRE AND ALL FINAL CONNECTIONS TO PROVIDE THE FOLLOWING:

A. INSTALL AND CONNECT LIGHT FIXTURES, SPLICE BOXES, LAMPS, LIGHT SWITCHES AND DOOR HEATERS SUPPLIED BY THE KEC.
B. CONNECT CSR DEFROST, DRAIN LINE HEATERS, THERMOSTATS, TIME CLOCKS, EVAPORATIVE TERMINAL BLOCK, SWITCH, FAN DOOR SWITCH ANDCOMPRESSOR CONTROL PANEL, ETC. SUPPLIED BY THE KEC.
C. PROVIDE CONDUIT AND WIRE BETWEEN CONDENSERS AND EVAPORATORS PER KEC DETAILS.
D. INSTALL CONDUIT AND BOXES ON THE EXTERIOR OF THE CSR AND PENETRATE THE CSR CEILING AT A POINT WHERE THE CONDUIT CAN DROP DIRECTLY INTOTHE POINT OF CONNECTION. DO NOT INSTALL CONDUIT ON THE INTERIOR OF THE CSR. SEAL ALL PENETRATIONS WITH CAULKING AND INSTALLINTERIOR AND EXTERIOR ESCUTCHEON PLATES.

11. PROVIDE ALL DISCONNECT SWITCHES WHERE REQUIRED BY NEC.

12. ALL RECEPTACLES AND SPECIAL PURPOSE OUTLETS IN FOOD PREPARATION AREA SHALL BE GFCI PROTECTED.

13. TYPE 1 HOODS (VENTILATORS): PROVIDE ALL INTERCONNECTING CONDUIT AND WIRE TO ACCOMPLISH THE FOLLOWING:

A. PROVIDE ALL WIRING FOR OPERATION OF THE FIRE SUPPRESSION SYSTEM.
B. INTERFACE HOOD CONTROL PANEL TO ALL ELECTRICAL CONNECTIONS LOCATED WITHIN AND UNDER THE HOOD, INCLUDING POWER FOR COOKING EQUIPMENT, HOOD LIGHTS, ETC.
C. INTERFACE HOOD CONTROL PANEL TO ALL ELECTRICAL CONNECTIONS LOCATED WITHIN AND UNDER THE HOOD, INCLUDING POWER FOR COOKINGEQUIPMENT, HOOD LIGHTS, ETC. SHUNT ALL POWER WHEN IN ALARM CONDITION.
D. CONNECT THE MICRO-SWITCH AND SOLENOID FUEL SHUT-OFF VALVE (SUPPLIED BY THE KEC).
E. PROVIDE RELAYS AND ALL WIRING AS REQUIRED TO MAKE CONNECTIONS TO EXHAUST FANS AND MAKE UP AIR FANS. COORDINATE WITH ATC CONTRACTOR FOR ALL REQUIREMENTS.
F. PROVIDE INTERLOCK BETWEEN CONTROL PACKAGE AND UDS WALL.
G. SHUT OFF THE HOOD EXHAUST FAN (IF LOCAL AUTHORITY REQUIRES).

14. CONTRACTOR SHALL PROVIDE PROPER SEALING OF RACEWAYS THAT ARE EXPOSED TO WIDELY VARYING TEMPERATURES INCLUDING BUT NOT LIMITEDTO WALK-IN COOLERS AND FREEZERS PER NEC 300.7(A).

15. COORDINATE WITH KEC FOR ALL REQUIREMENTS OF THE KITCHEN EQUIPMENT COMPONENTS REQUIRING INSTALLATION, MOUNTING HEIGHTS,INTER-WIRING REQUIREMENTS, ETC.

CB = CIRCUIT BREAKER - THERMAL MAGNETIC

UNIT	#	DESCRIPTION	ELECTRICAL EQUIPMENT INFORMATION							CONDUIT SIZE	WIRE				OCPD			REMARKS
			LOAD				VOLTAGE	PHASE	FULL LOAD AMPS		SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS	STARTER/ DISC/ VFD OTHER (SEE NOTES)	
			HP	FLA	MCA	VA												
K	5	WALK-IN COOLER [K-5]	0.00	6 A	0 A	0 VA	120 V	1	6 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	5.1	WALK-IN COOLER EVAPORATOR [K-5.1]	0.00	10 A	0 A	0 VA	120 V	1	10 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	5.2	WALK-IN COOLER CONDENSE [K-5.2]	0.00	5 A	0 A	0 VA	208 V	1	5 A	3/4"	1	2	12	12	CB	15 A	2 A	
K	6	WALK-IN FREEZER [K-6]	0.00	6 A	0 A	0 VA	120 V	1	6 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	6.1	WALK-IN COOLER EVAPORATOR [K-6.1]	0.00	15 A	0 A	0 VA	120 V	1	15 A	3/4"	1	2	12	12	CB	25 A	11 A	
K	6.2	WALK-IN FREEZER CONDENSER [K-6.2]	0.00	13 A	0 A	0 VA	208 V	3	13 A	3/4"	1	3	12	12	CB	20 A	2 A	
K	13	HOOD TYPE 2 [K-13]	0.00	0 A	0 A	500 VA	120 V	1	4 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	14	HOOD TYPE 1 [K-14]	0.00	0 A	0 A	500 VA	120 V	1	4 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	16.1	UDS [K-16.1]	0.00	56 A	0 A	0 VA	208 V	3	56 A	1"	1	3	4	8	CB	70 A	11 A	
K	16.2	UDS [K-16.2]	0.00	0 A	0 A	1000 VA	120 V	1	8 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	16.3	UDS [K-16.3]	0.00	0 A	0 A	1000 VA	120 V	1	8 A	3/4"	1	2	12	12	CB	15 A	11 A	
K	21	HOT FOOD WELL [K-21]	0.00	0 A	0 A	500 VA	208 V	3	2 A	3/4"	1	3	12	12	CB	15 A	11 A	
K	22	MILK COOLER [K-22]	0.00	2.7 A	0 A	0 VA	120 V	1	3 A	3/4"	1	2	12	12	CB	15 A	0 A	
K	23	MIXER - 20 QT. [K-23]	0.00	8 A	0 A	0 VA	120 V	1	8 A	3/4"	1	2	12	12	CB	15 A	0 A	
K	25	MIXER, 60 QT [K-25]	0.00	9.5 A	0 A	0 VA	120 V	1	10 A	3/4"	1	2	12	12	CB	15 A	0 A	
K	31	DISHWASHER, CONVEYOR [K-31]	0.00	126.2 A	0 A	0 VA	208 V	3	126 A	1 1/2"	1	3	2/0	6	CB	150 A	11 A	SINGLE POINT CONNECTION WITH INTERNAL BOOSTER
K	34	SCRAP COLLECTOR [K-34]	0.00	5.5 A	0 A	0 VA	208 V	1	6 A	3/4"	1	2	12	12	CB	15 A	11 A	

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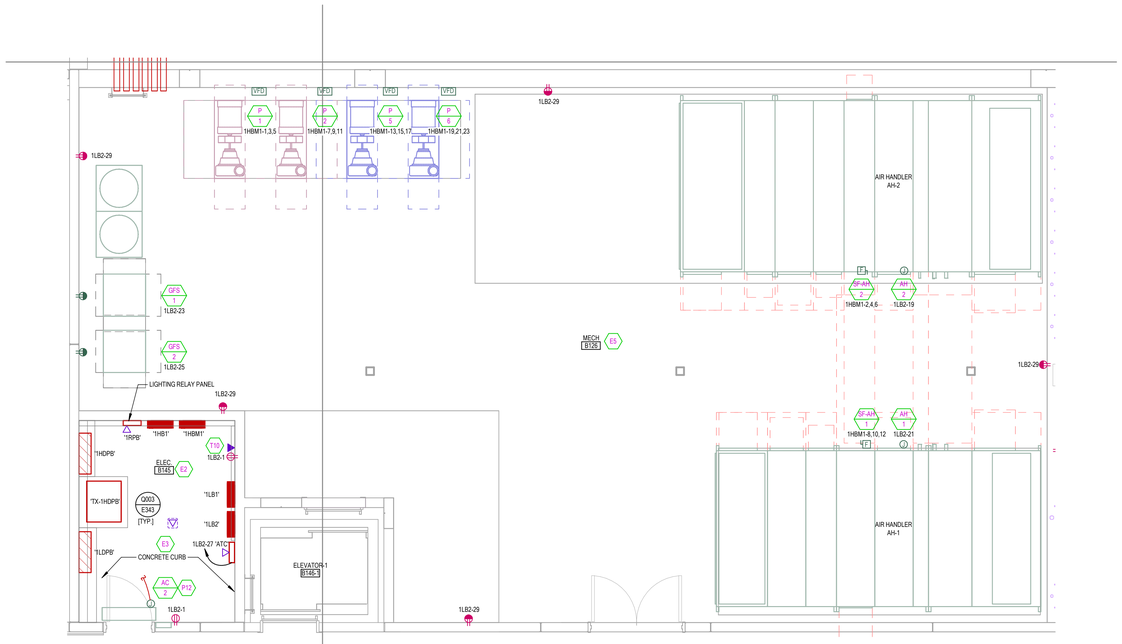
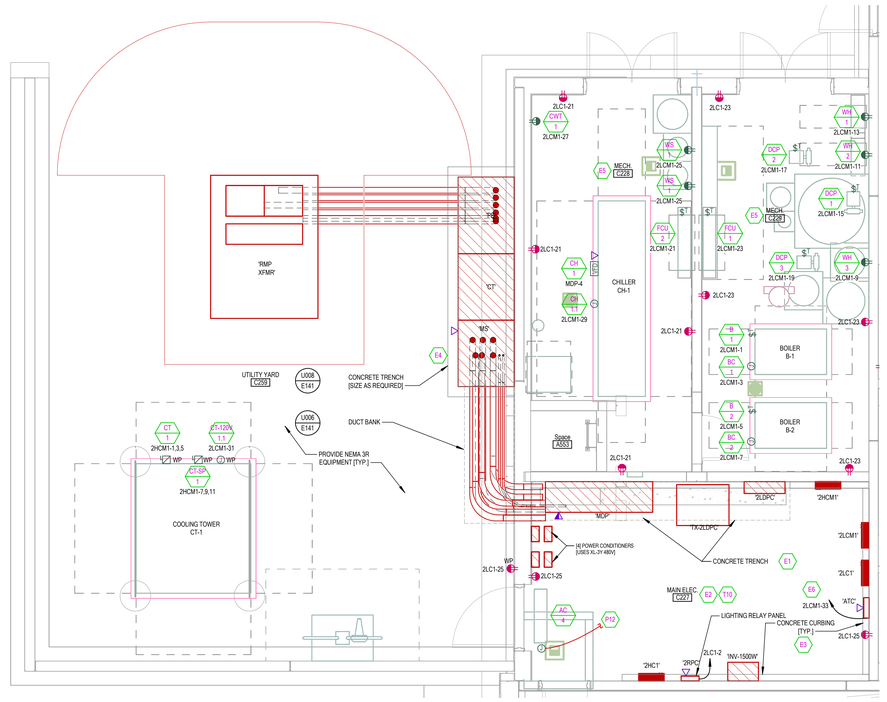
ENLARGED KITCHEN ENLARGED PLAN

E333



1 ENLARGED MECHANICAL ROOM B126
SCALE = 1/4" = 1'-0"



2 ENLARGED MECHANICAL & ELECTRICAL ROOMS
SCALE = 1/4" = 1'-0"

GENERAL SHEET NOTES

1. **GENERAL COORDINATION**
   A. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING DRAWINGS PRIOR TO INSTALLATION.
   B. VERIFY ALL EQUIPMENT LOCATIONS, DIMENSIONS, AND CLEARANCES WITH THE MECHANICAL AND PLUMBING CONTRACTORS BEFORE ROUGH-IN.
   C. ALL CONDUIT AND CABLE TRAY ROUTING SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.
   D. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS TO THE ENGINEER IMMEDIATELY.
2. **EQUIPMENT CONNECTIONS**
   A. PROVIDE POWER CONNECTIONS TO ALL MECHANICAL AND PLUMBING EQUIPMENT AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
   B. VERIFY VOLTAGE AND PHASING OF MECHANICAL & PLUMBING EQUIPMENT PER SHOP DRAWINGS AND EQUIPMENT NAMEPLATE RATINGS.
   C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED DISCONNECTS, STARTERS, AND VFDS NOT PROVIDED WITH THE EQUIPMENT UNLESS NOTED OTHERWISE.
   D. FINAL ELECTRICAL CONNECTION TO MECHANICAL AND PLUMBING EQUIPMENT SHALL BE FLEXIBLE, WHERE REQUIRED, TO ACCOMMODATE VIBRATION ISOLATION.
   E. PROVIDE PROPER GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH NEC REQUIREMENTS.
3. **CONDUIT AND WIRING**
   A. ALL CONDUIT SHALL BE EMT UNLESS OTHERWISE NOTED. USE LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LFMC) FOR FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
   B. MAINTAIN MINIMUM 12-INCH CLEARANCE FROM ALL HOT WATER AND STEAM PIPING.
   C. ROUTE CONDUIT PARALLEL OR PERPENDICULAR TO BUILDING LINES AND AVOID CROSSING EXPANSION JOINTS WHERE POSSIBLE.
   D. LABEL ALL CONDUIT AND JUNCTION BOXES ACCORDING TO THE PROJECT LABELING SCHEDULE.
4. **PANELBOARDS AND DISTRIBUTION**
   A. INSTALL PANELBOARDS AND DISTRIBUTION BOARDS IN ACCESSIBLE LOCATIONS PER NEC CLEARANCE REQUIREMENTS.
   B. PROVIDE TYPED CIRCUIT DIRECTORY CARDS IN EACH PANELBOARD WITH ACCURATE LOAD DESCRIPTIONS.
   C. PROVIDE ARC FLASH LABELS ON ALL PANELBOARDS, SWITCHBOARDS, AND DISCONNECT SWITCHES.
5. **GROUNDING AND BONDING**
   A. PROVIDE A COMPLETE AND CONTINUOUS GROUNDING SYSTEM PER NEC ARTICLE 250.
   B. BOND ALL METALLIC PIPING AND DUCTWORK IN MECHANICAL AND BOILER ROOMS TO THE BUILDING GROUND.
   C. PROVIDE ISOLATED GROUND CIRCUITS FOR SENSITIVE EQUIPMENT WHERE SPECIFIED.
6. **FIRE ALARM AND LIFE SAFETY**
   A. COORDINATE INSTALLATION OF FIRE ALARM DEVICES WITH MECHANICAL AND PLUMBING SYSTEMS TO AVOID INTERFERENCE.
   B. PROVIDE POWER TO FIRE ALARM PANELS AND DEVICES AS REQUIRED.
   C. ENSURE PROPER SEPARATION BETWEEN FIRE ALARM WIRING AND POWER WIRING.
7. **ACCESS AND SERVICEABILITY**
   A. MAINTAIN MINIMUM WORKING CLEARANCES AROUND ALL ELECTRICAL EQUIPMENT PER NEC REQUIREMENTS.
   B. ENSURE ALL JUNCTION BOXES, DISCONNECTS, AND PANELS REMAIN ACCESSIBLE AFTER INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS.
   C. PROVIDE ACCESS PANELS WHERE REQUIRED FOR MAINTENANCE AND SERVICE OF CONCEALED EQUIPMENT.
8. **SAFETY AND CODE COMPLIANCE**
   A. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND LOCAL AUTHORITY HAVING JURISDICTION (AHJ) REQUIREMENTS.
   B. ENSURE ALL ELECTRICAL EQUIPMENT IS UL LISTED AND INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS.
   C. PROVIDE PROPER LABELING AND SIGNAGE ON ALL ELECTRICAL PANELS, TRANSFORMERS, AND DISCONNECTS.

SHEET KEYNOTES

E1 PROVIDE 4" HIGH CONCRETE CURBING AT LOCATIONS WHERE CONDUITS EMERGE FROM BELOW SLAB. INSTALL FLOOR-STANDING SERVICE EQUIPMENT ON RAISED HOUSEKEEPING PAD AND BOLT EQUIPMENT TO WITH 3/8" ANCHORS AT EACH CORNER AND AT INTERVALS NOT TO EXCEED 8' ALONG PERIMETER. INSTALL CONCRETE WIRING TRENCH UNDER FLOOR STANDING EQUIPMENT. INSTALL GROUNDING BUSHINGS ON CONDUITS PENETRATING TRENCH. INSTALL PROVIDE A MONICHOLS GRIP STRUT HEAVY DUTY/WALKWAY RATED STEEL PLATED COVERS IN ANY AREA WITH EXPOSED TRENCHES. SEE SPECIFICATION 26 0532/26 2713 FOR MORE INFORMATION.

E2 SUBMIT DIMENSIONED DRAWINGS OF ELECTRICAL GEAR AND ENCLOSURES SHOWING ACCURATELY SCALED LAYOUTS OF ENCLOSURES AND REQUIRED INDIVIDUAL PANELBOARD DEVICES, INCLUDING BUT NOT NECESSARILY LIMITED TO, CIRCUIT BREAKERS, FUSIBLE SWITCHES, FUSES, GROUND-FAULT CIRCUIT INTERRUPTERS, AND ACCESSORIES. PROVIDE NECESSARY CURBING AROUND ROOM AND WHERE CONDUITS RISE FROM BELOW. DIVISION 26 IS RESPONSIBLE FOR FINAL LAYOUT AND ADHERENCES TO NEC CLEARANCES.

E3 PROVIDE CONCRETE CURBING AROUND CONDUITS EXTENDING THROUGH SLAB BELOW PANEL PER ARCHITECTURAL DETAIL 1/A1018.

E4 PROVIDE 1" EMPTY CONDUIT AND PULL-STRING FROM MAIN ELECTRICAL SWITCHGEAR BACK TO MAIN BMS PANEL. LABEL CONDUIT WITH SPECIFIC SWITCHGEAR INFORMATION. COORDINATE WITH DIVISION 23 FOR EXACT LOCATION.

E5 COORDINATE MECHANICAL LAYOUT WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE UNISTRUT RACKING FOR MOUNTING STARTERS/DISCONNECTS. PLACE RACKING AND DISCONNECT SO AS TO NOT BLOCK ACCESS TO MECHANICAL EQUIPMENT.

E6 PROVIDE POWER AND DATA CONNECTIONS FOR ATC PANEL/CONTROLS THROUGHOUT THE AREA. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTORS FOR EXACT REQUIREMENTS AND INSTALL ELECTRICAL INFRASTRUCTURE ACCORDINGLY.

P12 OUTDOOR UNIT POWERS INDOOR UNIT. VERIFY LOCATION OF SPLIT AC SYSTEM AND WIRE ACCORDINGLY. PROVIDE 3/4" CONDUIT AND POWER CIRCUIT WIRING BETWEEN OUTDOOR AND INDOOR UNIT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONDUIT AND WIRING. COORDINATE LOCATION TERMINATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

T10 PROVIDE REQUIRED DATA DROPS FOR ENERGY AND POWER METERING SYSTEM. COORDINATE REQUIRED DROPS AND POWER CONNECTIONS AS REQUIRED PER SHOP DRAWINGS. REFER TO SPECIFICATION 26 1010 FOR ADDITIONAL INFORMATION.

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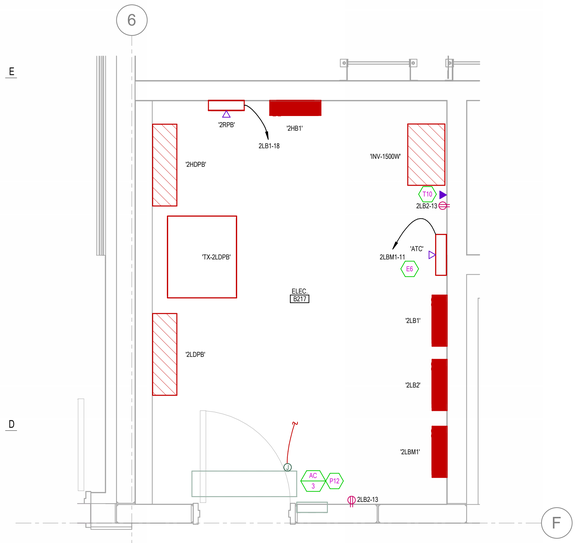
ENLARGED MECHANICAL ROOMS

E334



1 ENLARGED ELECTRICAL ROOM B217
SCALE = 1/2" = 1'-0"

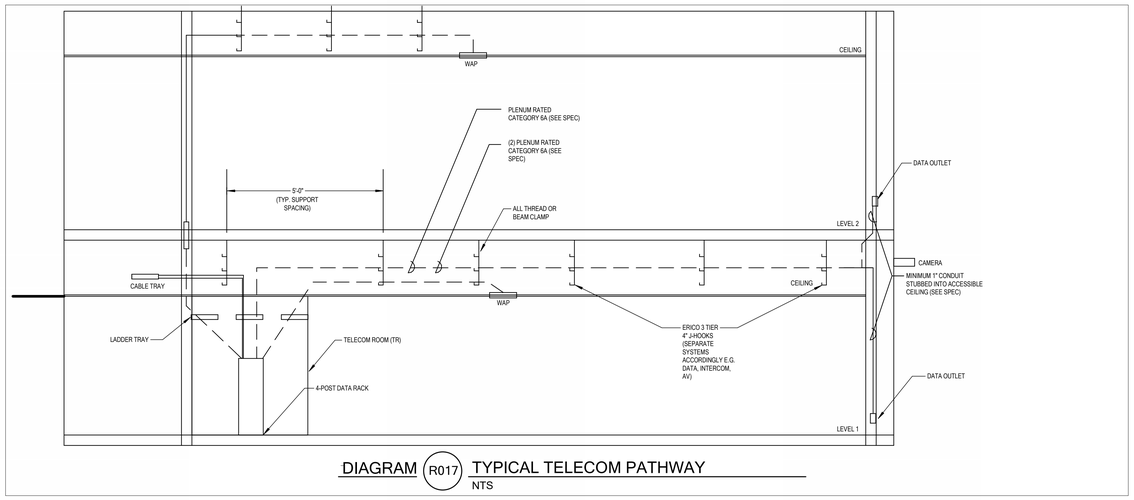


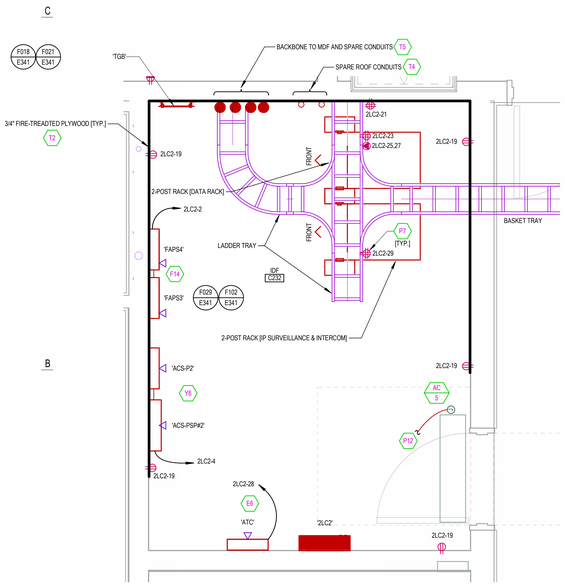
DIAGRAM R017 TYPICAL TELECOM PATHWAY
NTS

GENERAL ELECTRICAL/COMM SHEET NOTES

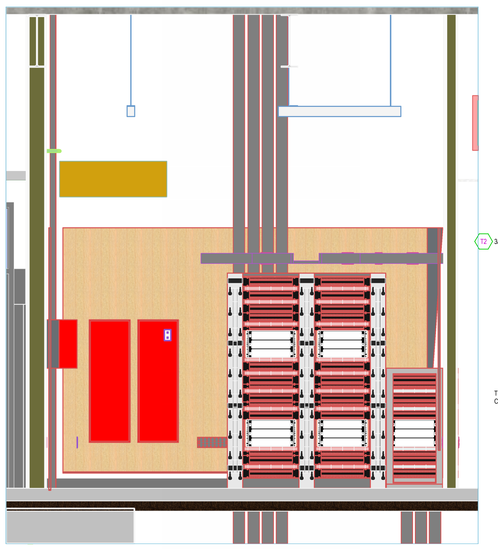
1. HEIGHTS SHOWN ARE TYPICAL TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. ALL DEVICES OUTLETS SHALL BE MOUNTED VERTICALLY.
2. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN.
3. ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND THE SAME SIDE OF THE STUD. WHERE WALL MOUNTED TELEPHONES OCCUR OVER LIGHT SWITCHES, VOLUME CONTROLS, ETC. OFFSET ONE STUD SPACE.
4. ALL EXPOSED RACEWAYS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGEWAYS. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPED TOGETHER. THE LOCATION OF THESE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL.)
5. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, MASONRY, AND GYP WALLS.
6. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING HIS WORK WITH ALL OTHER TRADES AND FROM ADJUSTING HIS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.
7. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT IS NOT LIMITED TO:
   - A. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (I.E. THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, TECHNOLOGY PLAN, FIRE PROTECTION PLAN, ETC.)
   - B. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES.
   - C. THIS CONTRACTOR SHALL ASSIST THE DIVISION 21, 22 AND 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (I.E. LOCATING ALL CEILING CLEARANCES, CABLE TRAY, CLEARANCES THROUGHOUT, ETC.)
8. ALL COMMUNICATIONS RACEWAY AND PATHWAYS INCLUDING BUT NOT LIMITED TO CONDUIT, SLEEVES, CABLE TRAY, J-HOOKS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH
9. LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CATEGORY CABLING). NO HORIZONTAL CABLE LENGTH (PERMANENT LINK) SHALL EXCEED 90 METERS (295 FEET). PAY SPECIAL ATTENTION WITH TELECOM ROOMS BEING LOCATED ON THE 2ND LEVEL AND SPANNING BETWEEN FLOORS. PROVIDE CONDUIT SLEEVES AND RACEWAYS AS REQUIRED.
10. PROVIDE PROPER GROUNDING/BONDING THROUGHOUT TELECOMMUNICATIONS SYSTEM (REFERENCE DIAGRAM F021).ALL COMMUNICATIONS CONDUIT, CABLE TRAYS, LADDER RACKS AND EQUIPMENT RACKS SHALL BE BONDED TO BUILDING GROUND SYSTEM PER NEC 250.
11. ALL TELE/DATA CONDUIT AND OTHER RACEWAY INFRASTRUCTURE SHALL HAVE NO LESS THAN 30% SPARE CAPACITY ABOVE THE NEC MINIMUM FILL RATIOS.
12. ALL RISER CONDUIT SHALL BE STUBBED A MINIMUM OF 2" AFF. PROVIDE A 2" CURB IF SLAB BLOCK-OUT IS USED RATHER THAN SLEEVES. SERVICE PROVIDER AND UNDERGROUND CONDUIT SHALL BE STUBBED A MINIMUM OF 4" AFF.
13. ALL UNDERGROUND COMMUNICATIONS CONDUIT SHALL HAVE METALLIC LOCATER TAPE.
14. ENSURE THAT ALL CABLE TRAY INSTALLED COMPLIES WITH NEC 392. ONCE ALL CABLING HAS BEEN INSTALLED, CONTRACTOR SHALL PROVIDE AVAILABLE CABLE FILL DOCUMENTATION TO OWNER.
15. REFER TO OWNER HEATMAPS FOR ALL WIRELESS ACCESS POINT LOCATIONS. REFER TO RISER DIAGRAM AND SPECIFICATION 271500 FOR ADDITIONAL REQUIREMENTS.
16. COORDINATE ALL FURNITURE TERMINATION LOCATIONS WITH FURNITURE SHOP DRAWINGS AND INSTALLER PRIOR TO ROUGH-IN. DEVICE LOCATIONS SHOWN ARE FOR TECHNICAL INFORMATION ONLY. PROVIDE FURNITURE BOXES COMPATIBLE WITH FURNITURE SYSTEM.
17. PROVIDE (2) WATERFALLS FROM CABLE TRAY PER RACK.

SHEET KEYNOTES

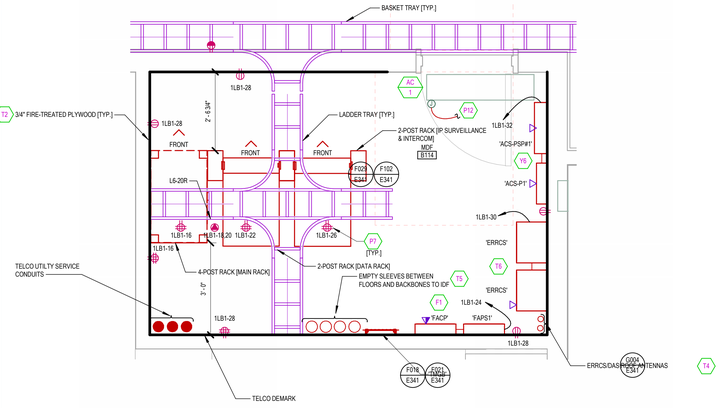
E6	PROVIDE POWER AND DATA CONNECTIONS FOR ATC PANEL/CONTROLS THROUGHOUT THE AREA. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTORS FOR EXACT REQUIREMENTS AND INSTALL ELECTRICAL INFRASTRUCTURE ACCORDINGLY.
F1	DIVISION 26 CONTRACTOR SHALL PROVIDE A COMPLETE AND FULLY FUNCTIONAL NOTIFIER MODEL NFS2-3030 FIRE ALARM SYSTEM THROUGHOUT THE ELEMENTARY BUILDING. ALL FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY. THE SYSTEM AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION 28 3111, UTAH STATE FIRE MARSHAL REQUIREMENTS, AND CACHE COUNTY SCHOOL DISTRICT REQUIREMENTS. SYSTEM SHALL BE TESTED, PROGRAMMED, AND CERTIFIED UPON COMPLETION.
F14	PROVIDE BEAM DETECTORS AS SHOWN ON PLANS. COORDINATE AND POSITION THEM ON AVAILABLE WALL SPACE WITH A CLEAR LINE OF SIGHT FOR OPTIMAL FUNCTIONALITY.
P7	PROVIDE POWER RECEPTACLES FOR DATA RACKS AS SHOWN. MOUNT RECEPTACLES TO TOP LADDER TRAY ACCORDINGLY. ROUTE PDU POWER PLUG NEATLY TO RECEPTACLES.
P12	OUTDOOR UNIT POWERS INDOOR UNIT. VERIFY LOCATION OF SPLIT AC SYSTEM AND WIRE ACCORDINGLY. PROVIDE 3/4" CONDUIT AND POWER CIRCUIT WIRING BETWEEN OUTDOOR AND INDOOR UNIT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONDUIT AND WIRING. COORDINATE LOCATION TERMINATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
T2	PROVIDE 3/4" FIRE-TREATED PLYWOOD ON WALLS. REFER TO SPECIFICATIONS (SECTION 27 1500) FOR REQUIREMENTS.
T4	PROVIDE CONDUIT PATHWAYS FROM TELECOM ROOM TO ROOF AS INDICATED BY DIAGRAM G004.
T5	PROVIDE IT BACKBONE AS SPECIFIED. PROVIDE A MINIMUM OF (4) 4" CONDUITS STUBS BETWEEN FLOORS. ASSURE THAT THERE ARE AT LEAST (2) SPARE/EMPTY CONDUITS AVAILABLE. PROVIDE FIRE CAULKING AS REQUIRED PER SPECIFICATIONS.
T6	PROVIDE A COMPLETE ERRCS/DAS HEAD-END SYSTEM WITH A DEDICATED 20A EMERGENCY CIRCUIT TO EQUIPMENT. REFER TO SPECIFICATION 27 5320 AND APPENDIX A FOR SYSTEM LAYOUT AND REQUIREMENTS. DIVISION 26 IS RESPONSIBLE FOR PROVIDING A TURNKEY SOLUTION THROUGH THE ERRCS/DAS CONTRACTOR, INCLUDING ALL REQUIRED POWER AND PATHWAY INSTALLATIONS FOR THE DAS SYSTEM. COORDINATE FINAL PATHWAY ROUTING AND INSTALLATION REQUIREMENTS WITH THE ERRCS/DAS CONTRACTOR.
T10	PROVIDE REQUIRED DATA DROPS FOR ENERGY AND POWER METERING SYSTEM. COORDINATE REQUIRED DROPS AND POWER CONNECTIONS AS REQUIRED PER SHOP DRAWINGS. REFER TO SPECIFICATION 26 1010 FOR ADDITIONAL INFORMATION.
Y6	DIVISION 26 CONTRACTOR SHALL PROVIDE A COMPLETE AND FULLY FUNCTIONAL LENELS2 S2 NETBOX ACCESS CONTROL SYSTEM IN ACCORDANCE WITH SPECIFICATION 28 2205, CONTRACT DRAWINGS, AND CACHE COUNTY SCHOOL DISTRICT (CCSD) REQUIREMENTS. SYSTEM SHALL BE TESTED, PROGRAMMED, AND CERTIFIED UPON COMPLETION. COORDINATE FINAL DEVICE LOCATIONS AND FUNCTIONALITY WITH OWNER.



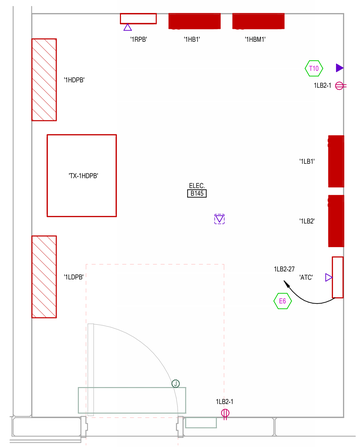
2 ENLARGED IDF/TR ROOM C232
SCALE = 1/2" = 1'-0"



3 MDF 3D PERSPECTIVE
SCALE =



4 ENLARGED MDF/ER ROOM B114
SCALE = 1/2" = 1'-0"



5 ENLARGED ELECTRICAL ROOM B145
SCALE = 1/2" = 1'-0"

naylor wentworth lund
a r c h i t e c t s

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
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DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER BRIAN HICKS No. 7109037 STATE OF UTAH

△	DATE	REVISION

ENLARGED ELECTRICAL AND DATA ROOMS

E335

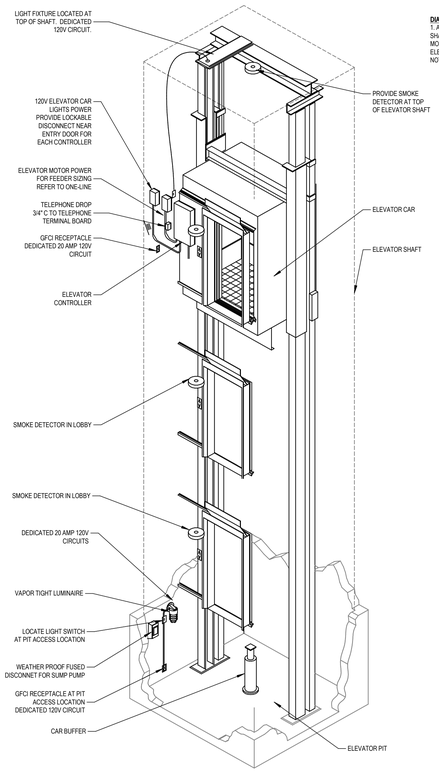


DIAGRAM D014 MACHINE ROOM LESS ELEVATOR
NTS

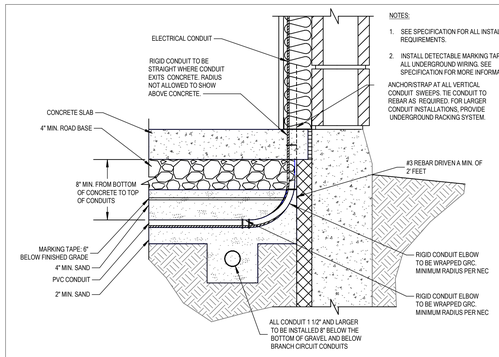


DIAGRAM F016 TYPICAL CONDUIT INSTALLATION
NTS

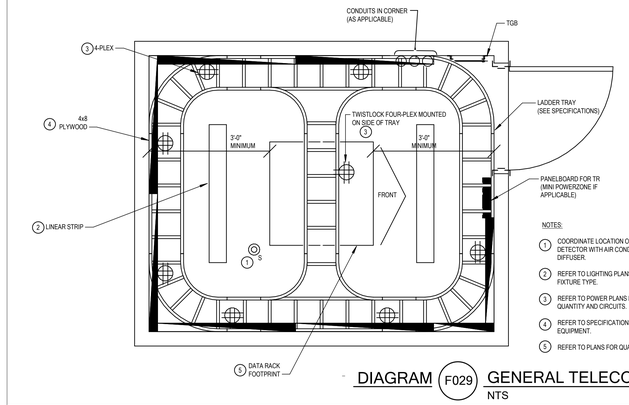
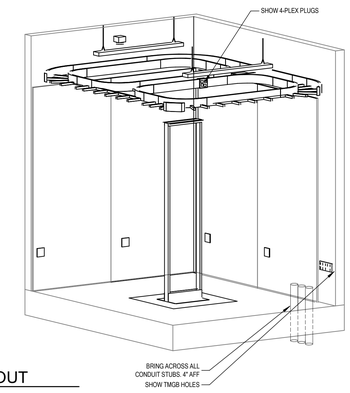


DIAGRAM F029 GENERAL TELECOM ROOM LAYOUT
NTS



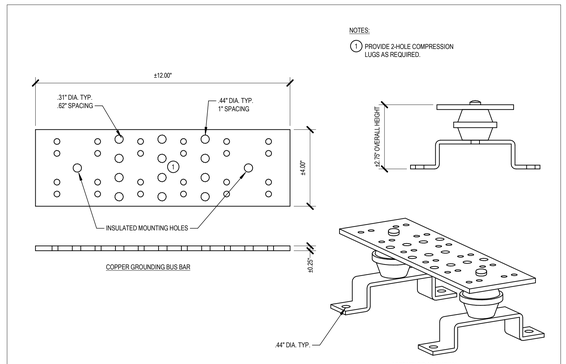


DIAGRAM F018 GROUNDING BUS BAR "TMGB"
NTS

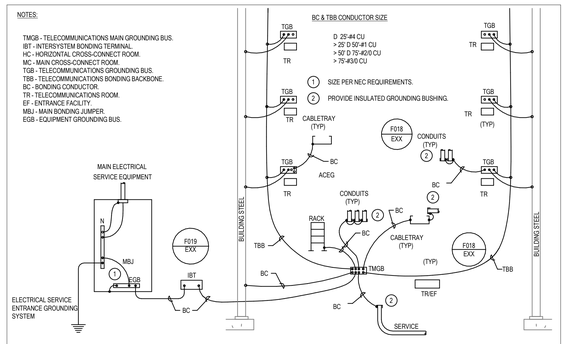


DIAGRAM F021 TYPICAL LARGE TELECOMMUNICATIONS SYSTEM GROUNDING/BONDING
NTS

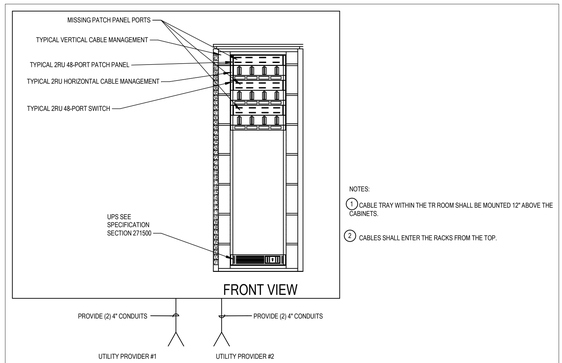


DIAGRAM F030 TYPICAL DATA RISER
NTS

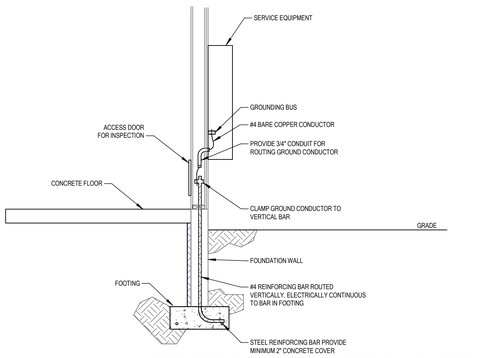


DIAGRAM F027 UFER GROUNDING - NON EPOXY COATED REBAR
NTS

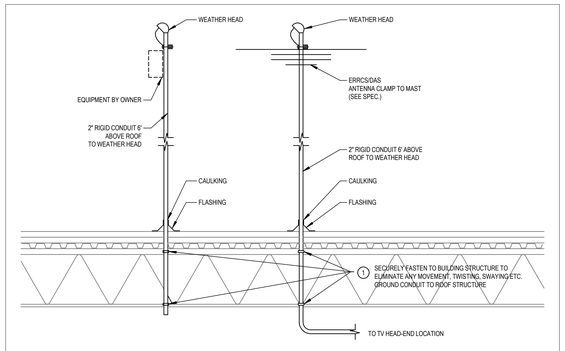


DIAGRAM G003 ANTENNA AND WEATHER STATION MOUNTING
NTS

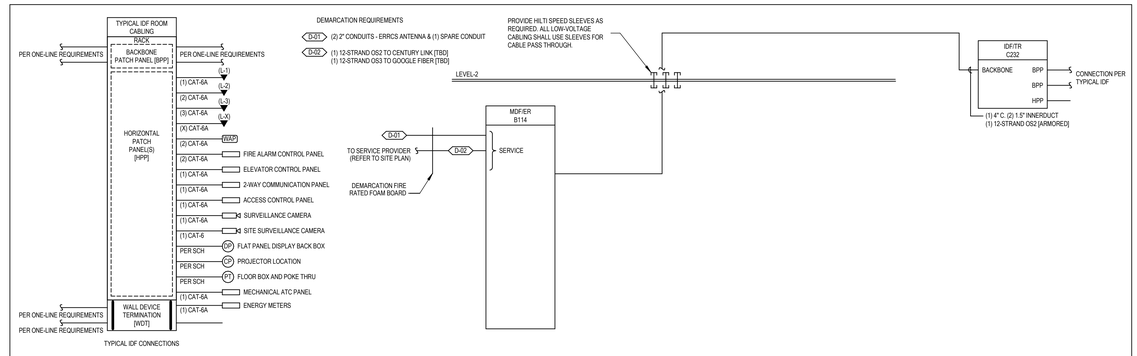


DIAGRAM F102 HORIZONTAL CABLING ONE-LINE
NTS

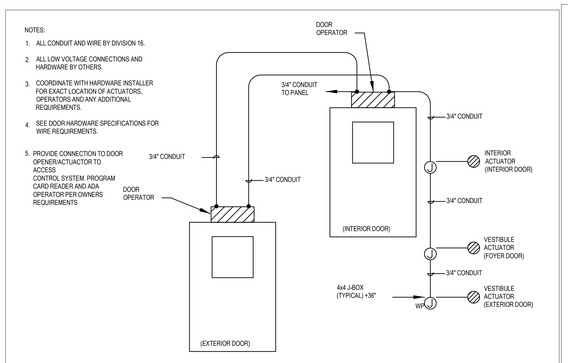


DIAGRAM E021 ADA ENTRY SHEETS
NTS

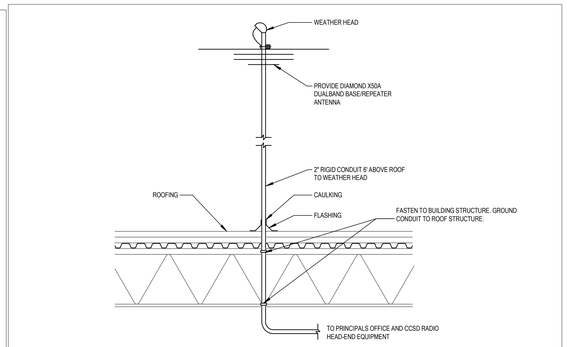


DIAGRAM G001 ANTENNA MOUNTING
NTS

MINIMUM SPACE REQUIREMENTS IN PULL BOX

CONDUIT SIZE	WIDTH	LENGTH	DEPTH	ADDITIONAL WIDTH PER CONDUIT
1"	4"	16"	4"	2"
2"	8"	36"	4"	5"
3"	12"	48"	6"	6"
4"	16"	60"	8"	8"

NOTES:
1 MAXIMUM OF (2) 90° BENDS BETWEEN PULL BOXES (MAX DISTANCE BETWEEN PULL BOXES 100'.
2 ALL PULL BOXES SHALL BE INSTALLED IN STRAIGHT SECTION OF RACEWAY, NO TURNS ARE ALLOWED IN PULL BOX.

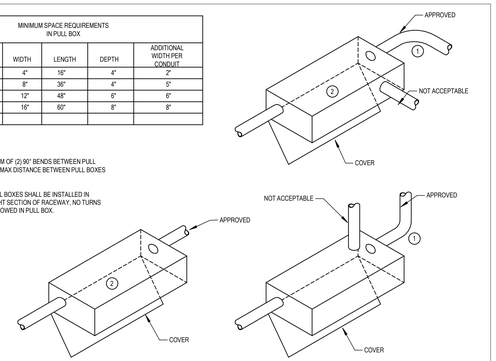


DIAGRAM F024 TELECOMMUNICATIONS PULL BOXES
NTS

NOTES:
TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUS.
IBT - INTERSYSTEM BONDING TERMINAL.
BC - BONDING CONDUCTOR.
MBJ - MAIN BONDING JUMPER.
EGB - EQUIPMENT GROUNDING BUS.
TGB - TELECOMMUNICATIONS GROUNDING BUS.
NOTES:
1 SIZE PER NEC 250.66.
2 PROVIDE GROUNDING/BONDING SYSTEM CONNECTIONS TO MAIN ELECTRICAL SERVICE AT THE LOCATION OF THE THE MAIN SERVICE DISCONNECT.

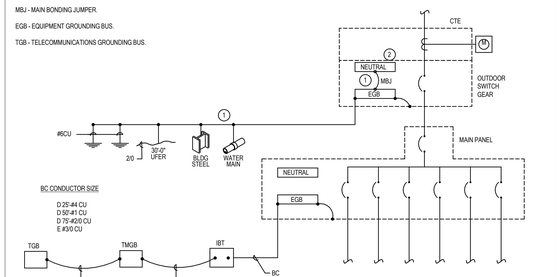


DIAGRAM F026 ELECTRICAL SERVICES GROUNDING/BONDING
NTS

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CACHE COUNTY SCHOOL DISTRICT

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BNA PROJECT 0119.002

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ELECTRICAL DIAGRAMS

E341

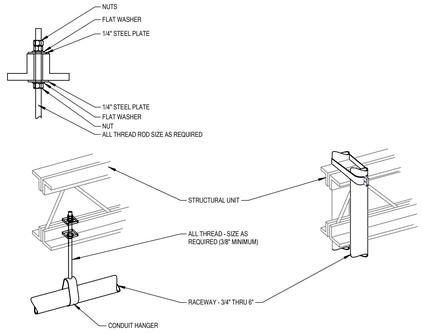


DIAGRAM H003 TYPICAL RACEWAY SUPPORT METHODS
NTS

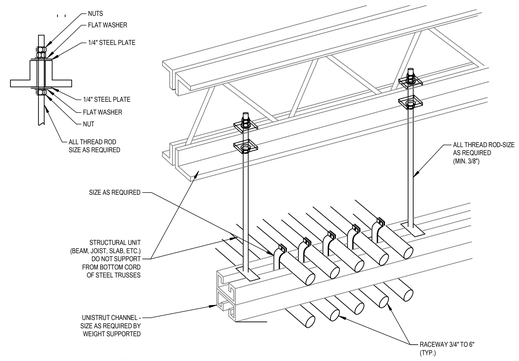
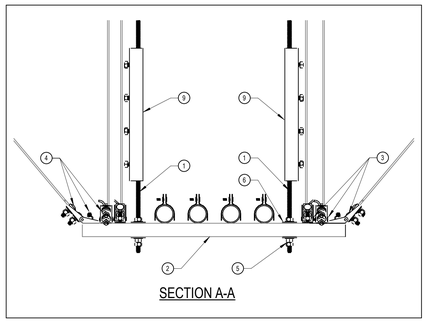
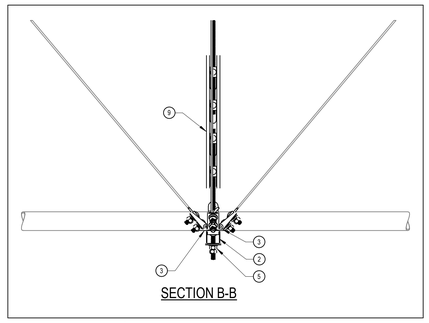
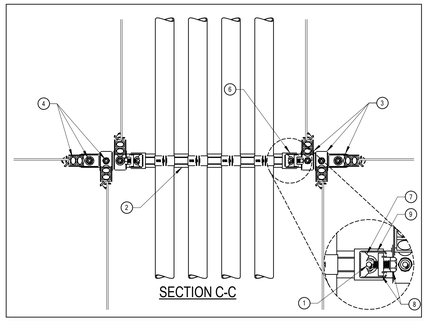
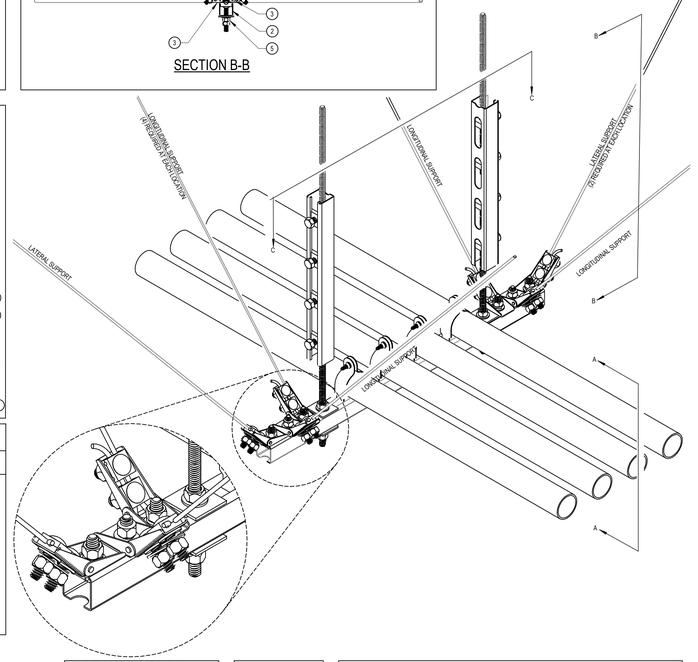


DIAGRAM H001 TYPICAL TRAPEZE CONDUIT RACK
NTS









PARTS LIST

ITEM No.	DESCRIPTION	SIZE	CATALOG No. UNISTRUT
1	THREADED ROD (MIN. MODULUS OF OF ELASTICITY = 29x10 LBS/IN)	SEE SCHEDULE FOR DIAMETER	P1000
2	METAL FRAMING CHANNEL	1-5/8"x1-5/8"	MASON IND. SCB-X
3	CABLE BRACE SWIVEL ANCHOR	SEE TABLE	HHCS/P1010
4	HEX HEAD CAP SCREW WITH SPRING NUT	1/2"-13"	-
5	FLAT WASHER WITH HEX NUT	3/8"	P1063 OR P1064
6	FLAT PLATE FITTING WITH HEX NUT	3/8" OR 1/2" AS REQ'D	P2485
7	CRADLE	-	HHCS/P2008
8	HEX HEAD CAP SCREW WITH NUT	3/8"x1"	P1000T
9	SLOTTED METAL FRAMING CHANNEL	1-5/8"x1-5/8"	-

NOTES:

1. PROVIDE LONGITUDINAL AND LATERAL SUPPORT SPACING IN ACCORDANCE WITH THE FOLLOWING:

MAX CONDUIT/ WIRE WT.	VERTICAL SUPPORT SPACING	LATERAL SUPPORT SPACING	LONGITUDINAL SUPPORT SPACING	ROD DIAMETER	CONTROL BUCKLING LENGTH (2)	CABLE BRACE SWIVEL ANCHOR & CABLE
POUNDS/FOOT	FEET	FEET	FEET	INCHES	INCHES	
15	10	20	20	.375	18	SCB2
30	10	10	20	.375	12	SCB2
45	10	10	20	.375	10	SCB3
60	10	10	20	.500	16	SCB3

2. PROVIDE METAL FRAMING CHANNEL ON ALL VERTICAL SUPPORTS WHEN ROD LENGTH EXCEEDS SPECIFIED VALUES. STIFFENER CLIP SPACING SHALL BE AS INDICATED

3. PROVIDE LATERAL SUPPORTS AT SPACING INDICATED ON BOTH SIDES OF CONDUIT RACK.

GENERAL NOTES

1. COORDINATE ROUTING OF CONDUIT RACKS AND SUPPORT SYSTEMS WITH DIVISION 23.

FEEDER WEIGHTS (COPPER CONDUCTORS)				
TYPE	AMPERE RATING	W/RIGID (PER 10')	W/IMC (PER 10')	W/EMT (PER 10')
20	30	12.61	9.21	5.74
30	30	13.00	9.60	6.13
40	30	13.39	9.99	6.52
28	40	13.42	10.02	6.55
38	40	14.08	10.68	7.21
48	40	14.74	11.34	7.87
26	55	14.38	10.98	7.51
36	55	15.36	11.96	8.49
46	55	21.29	16.49	11.60
24	70	16.09	12.69	9.22
34	70	22.59	17.79	12.90
44	70	29.82	22.62	17.59
32	95	31.47	24.27	19.24
42	95	33.82	26.62	21.59
31	110	34.07	26.87	21.84
41	110	42.46	33.26	26.43
31X	150	39.54	30.34	23.51
41X	150	43.24	34.04	27.21
32X	175	42.24	33.04	26.21
42X	175	55.43	43.93	34.01
33X	200	54.13	42.63	32.71
43X	200	59.83	48.33	38.41
34X	230	58.90	47.40	37.48
44X	230	87.75	71.05	53.85
325	255	62.95	51.45	41.53
425	255	93.15	76.45	59.25
335	310	94.65	77.95	60.75
435	310	122.70	99.80	77.00
340	335	115.85	92.95	70.15
440	335	129.10	106.20	83.40
350	380	140.20	111.10	93.10
450	380	156.60	127.50	109.50

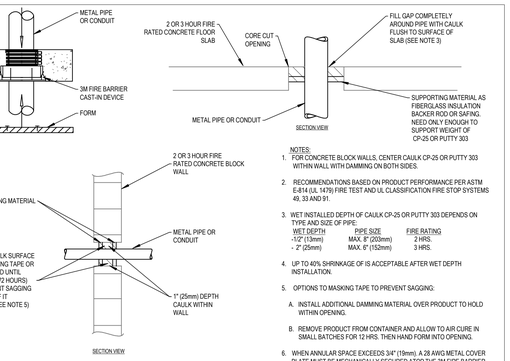
CONDUCTOR WEIGHTS		
WIRE SIZE	#/FT	FOUR CONDRS
14	0.016	0.064
12	0.025	0.100
10	0.039	0.156
8	0.066	0.264
6	0.098	0.392
4	0.155	0.620
3	0.190	0.760
2	0.235	0.940
1	0.300	1.200
1/0	0.370	1.480
2/0	0.460	1.840
3/0	0.570	2.280
4/0	0.710	2.840
250	0.845	3.380
300	1.020	4.080
350	1.165	4.660
400	1.325	5.300
500	1.640	6.560
600	2.005	8.020
750	2.480	9.920
1000	3.300	13.200

CONDUIT TABLE									
	RIGID CONDUIT			INTERMEDIATE CONDUIT			EMT CONDUIT		
SIZE (IN)	#/FT	#CPLG	TOTAL #10FT	#/FT	(1) #/CPL	TOTAL #10FT	#/FT	(2) #/CPL	#10FT
1/2	0.820	0.14	8.34	0.570	0.14	5.84	0.295	0.07	3.02
3/4	1.120	0.24	11.44	0.780	0.24	8.04	0.445	0.12	4.57
1	1.600	0.39	16.39	1.120	0.39	11.59	0.650	0.20	6.70
1-1/4	2.160	0.47	22.07	1.44	0.47	14.87	0.960	0.24	9.84
1-1/2	2.680	0.66	27.46	1.760	0.66	18.26	1.110	0.33	11.43
2	3.500	1.05	36.05	2.350	1.05	24.55	1.410	0.53	14.63
2-1/2	5.600	1.80	57.80	3.930	1.80	41.10	2.300	0.90	23.90
3	7.120	3.00	74.20	7.830	3.00	51.30	2.700	1.50	28.50
3-1/2	8.520	3.90	89.10	5.610	3.90	60.00	-	-	-
4	10.300	4.00	107.00	6.250	4.00	66.50	4.000	2.00	42.00
5	13.910	7.60	146.70						
6	18.930	10.75	195.75						

NOTES:
(1) WEIGHTS USED ARE FOR RIGID STEEL CPLGS

(2) WEIGHTS USED ARE EQUAL TO .5 TIMES RIGID STEEL CPLGS

DIAGRAM H008 SEISMIC BRACING FOR CONDUTT RACK/CABLES
NTS

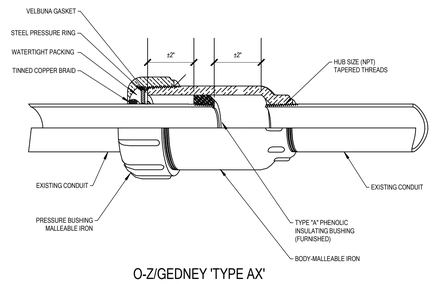


NOTES:
1. FOR CONCRETE BLOCK WALLS, CENTER CAULK CP-25 OR PUTTY 303 WITHIN WALL WITH DAMMING ON BOTH SIDES.
2. RECOMMENDATIONS BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL CLASSIFICATION FIRE STOP SYSTEMS 49, 33 AND 91.
3. WET INSTALLED DEPTH OF CAULK CP-25 OR PUTTY 303 DEPENDS ON TYPE AND SIZE OF PIPE:

WET DEPTH	PIPE SIZE	FIRE RATING
-1/2" (13mm)	MAX. 8" (203mm)	2 HRS.
- 2" (25mm)	MAX. 6" (152mm)	3 HRS.

4. UP TO 40% SHRINKAGE OF IS ACCEPTABLE AFTER WET DEPTH INSTALLATION.
5. OPTIONS TO MASKING TAPE TO PREVENT SAGGING:
   A. INSTALL ADDITIONAL DAMMING MATERIAL OVER PRODUCT TO HOLD WITHIN OPENING.
   B. REMOVE PRODUCT FROM CONTAINER AND ALLOW TO AIR CURE IN SMALL BATCHES FOR 12 HRS. THEN HAND FORM INTO OPENING.
6. WHEN ANNULAR SPACE EXCEEDS 3/4" (19mm). A 28 AWG METAL COVER PLATE MUST BE MECHANICALLY SECURED ATOP THE 3M FIRE BARRIER APPLICATION, OR TIGHTLY PACK A NON-COMBUSTIBLE DAMMING MATERIAL ATOP INSTALLED CAULK OR PUTTY.

DIAGRAM H012 FIRE STOP
NTS



NOTE:
INSTALL CONDUIT TO ALLOW FOR 2" MOVEMENT IN EITHER DIRECTION FOR A TOTAL MOVEMENT OF 4".

O-Z/GEDNEY 'TYPE AX' FOR RIGID METAL CONDUIT

DIAGRAM H011 IN SLAB EXPANSION FITTING
NTS

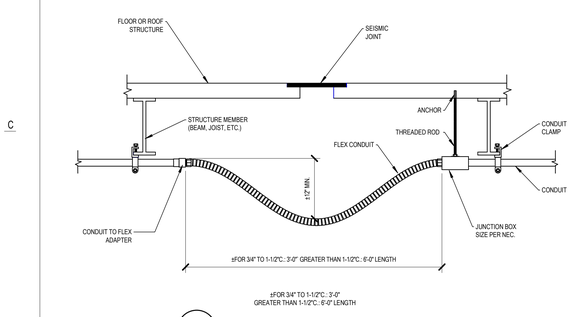
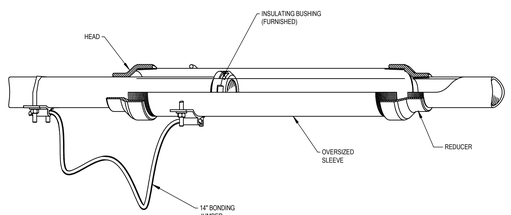


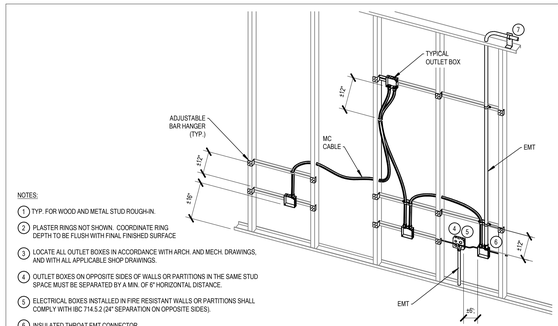
DIAGRAM H010 CONDUIT CROSSING SEISMIC JOINT
NTS



NOTE:
INSTALL CONDUIT TO ALLOW FOR 2" MOVEMENT IN EITHER DIRECTION FOR A TOTAL MOVEMENT OF 4"

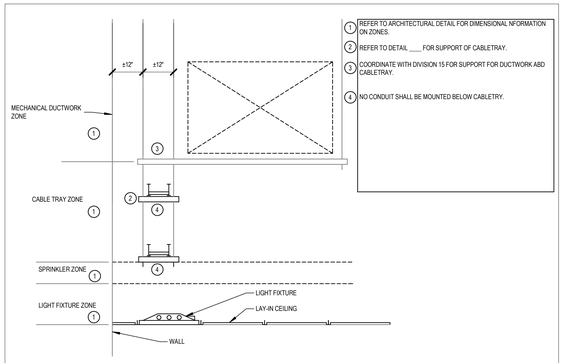
O-Z/GEDNEY 'TYPE EXPB' FOR RIGID METAL CONDUIT & IMC

DIAGRAM H009 EXPANSION & PULL BOX FITTING
NTS



NOTES:
1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.5.2 (24" SEPARATION ON OPPOSITE SIDES).
6. INSULATED THROAT EMT CONNECTOR.
7. HOME RUN TO PANEL MUST BE IN RACEWAY.

DIAGRAM H013 TYPICAL ROUGH IN REQUIREMENTS FOR MC CABLE
NTS



1. REFER TO ARCHITECTURAL DETAIL FOR DIMENSIONAL NFORMATION ON ZONES.
2. REFER TO DETAIL ____ FOR SUPPORT OF CABLETRAY.
3. COORDINATE WITH DIVISION 15 FOR SUPPORT FOR DUCTWORK ABD CABLETRAY.
4. NO CONDUIT SHALL BE MOUNTED BELOW CABLETRY.

DIAGRAM I010 CABLE TRAY
NTS

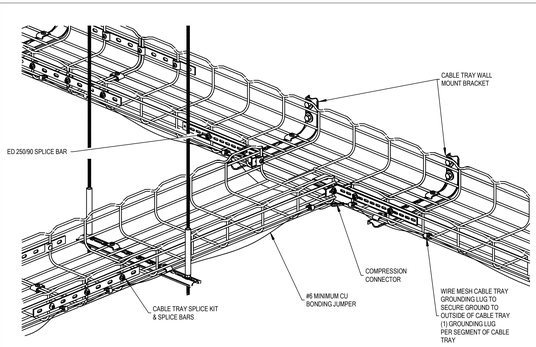


DIAGRAM I013 WIRE CABLE TRAY-WALL MOUNTING
NTS

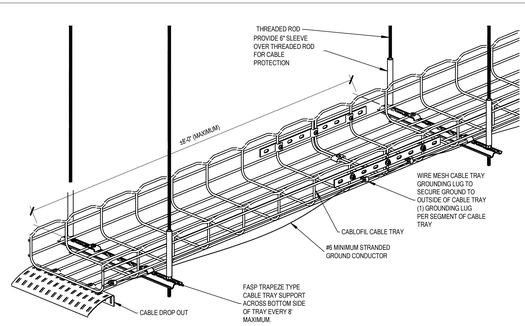


DIAGRAM I012 WIRE MESH CABLE TRAY TRAPEZE HANGING
NTS

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PROFESSIONAL ENGINEER BRIAN HICKS No. 7700992 STATE OF UTAH

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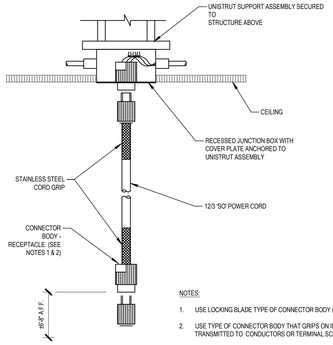
ELECTRICAL DIAGRAMS

E342



NOTES:

1. USE LOCKING BLADE TYPE OF CONNECTOR BODY (HUBBELL OR EQUAL).
2. USE TYPE OF CONNECTOR BODY THAT GRIPS ON INSULATION OF 'SO' CORD SO THAT TENSION IS OT TRANSMITTED TO CONDUCTORS OR TERMINAL SCREWS.
3. PROVIDE MALE END FOR EACH CORD DROP.

DIAGRAM K001 TWIST LOCK CORD DROP
NTS

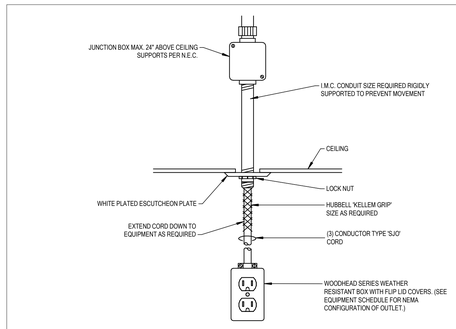
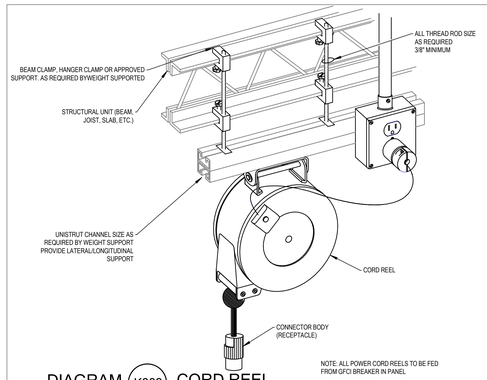
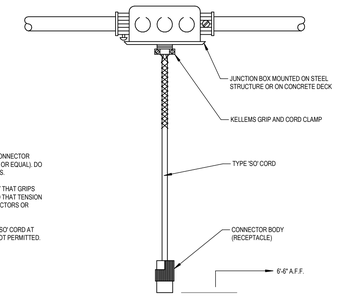


DIAGRAM K002 CORD DROP
NTS



NOTE: ALL POWER CORD REELS TO BE FED FROM GFCI BREAKER IN PANEL

DIAGRAM K003 CORD REEL
NTS



NOTES:

USE LOCKING BLADE TYPE OF CONNECTOR BODY (WOODHEAD 'TWIST LOCK' OR EQUAL). DO NOT USE STRAIGHT BLADE TYPES.

USE TYPE OF CONNECTOR BODY THAT GRIPS ON INSULATION OF 'SO' CORD SO THAT TENSION IS NOT TRANSMITTED TO CONDUCTORS OR TERMINAL SCREWS.

USE CONTINUOUS LENGTHS OF 'SO' CORD AT EACH LOCATION SPLICES ARE NOT PERMITTED.

DIAGRAM K004 CORD DROP
NTS

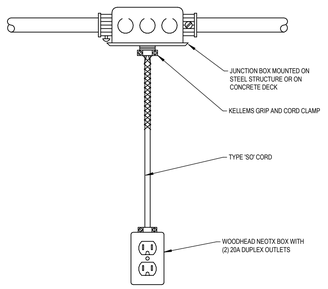
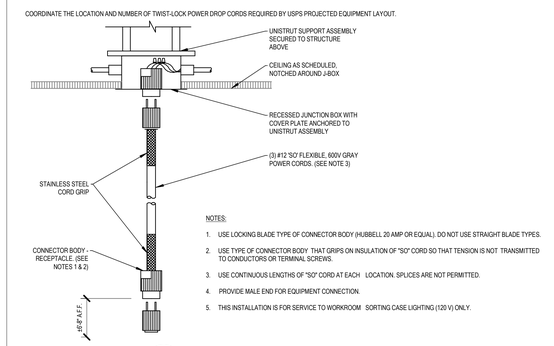


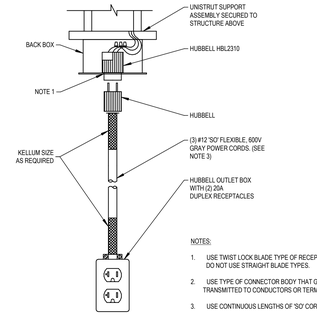
DIAGRAM K005 CORD DROP
NTS



NOTES:

1. USE LOCKING BLADE TYPE OF CONNECTOR BODY (HUBBELL 20 AMP OR EQUAL). DO NOT USE STRAIGHT BLADE TYPES.
2. USE TYPE OF CONNECTOR BODY THAT GRIPS ON INSULATION OF "SO" CORD SO THAT TENSION IS NOT TRANSMITTED TO CONDUCTORS OR TERMINAL SCREWS.
3. USE CONTINUOUS LENGTHS OF "SO" CORD AT EACH LOCATION. SPLICES ARE NOT PERMITTED.
4. PROVIDE MALE END FOR EQUIPMENT CONNECTION.
5. THIS INSTALLATION IS FOR SERVICE TO WORKROOM SORTING CASE LIGHTING (120 V) ONLY.

DIAGRAM K006 TWIST LOCK CORD DROP
NTS



NOTES:

1. USE TWIST LOCK BLADE TYPE OF RECEPTACLE. DO NOT USE STRAIGHT BLADE TYPES.
2. USE TYPE OF CONNECTOR BODY THAT GRIPS ON INSULATION OF 'SO' CORD SO THAT TENSION NOT TRANSMITTED TO CONDUCTORS OR TERMINAL SCREWS.
3. USE CONTINUOUS LENGTHS OF 'SO' CORD AT EACH LOCATION. SPLICES ARE NOT PERMITTED.

DIAGRAM K007 TWIST LOCK CORD DROP
NTS

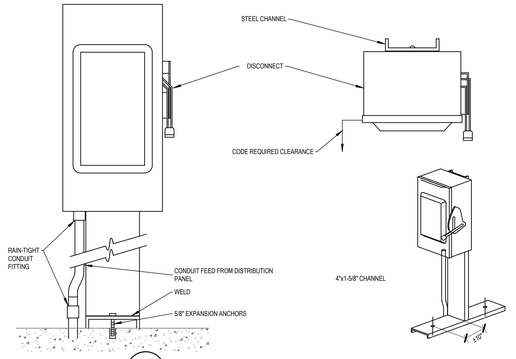
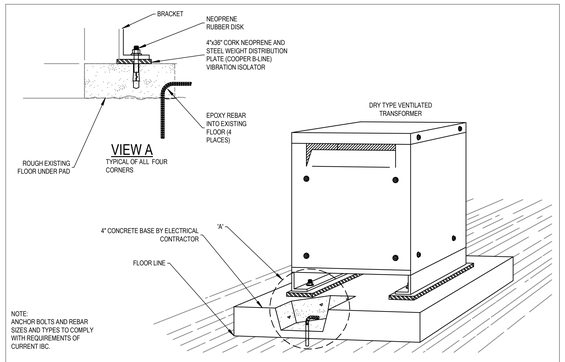
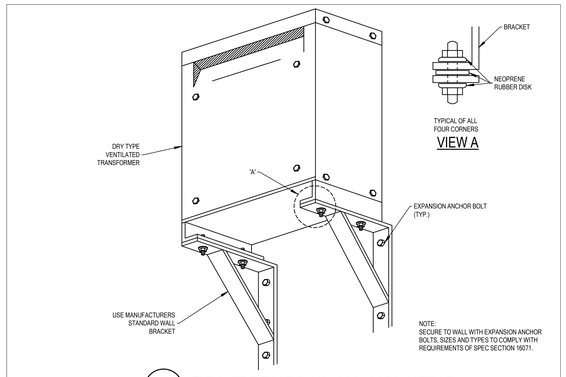


DIAGRAM M001 REMOTE DISCONNECT
NTS



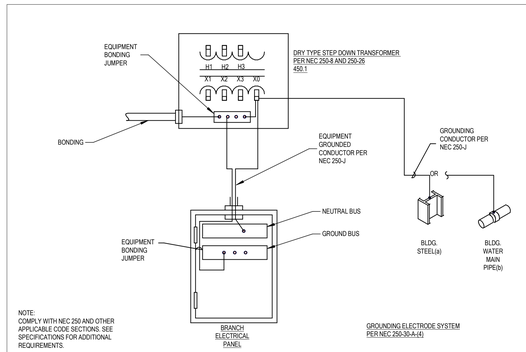
NOTE:
ANCHOR BOLTS AND REBAR SIZES AND TYPES TO COMPLY WITH REQUIREMENTS OF CURRENT IBC.

DIAGRAM Q003 DRY TYPE TRANSFORMER MOUNTING
NTS



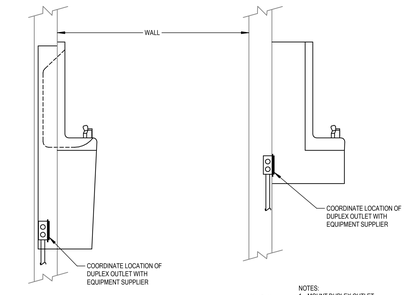
NOTE:
SECURE TO WALL WITH EXPANSION ANCHOR BOLTS, SIZES AND TYPES TO COMPLY WITH REQUIREMENTS OF SPEC SECTION 16071.

DIAGRAM Q002 TRANFORMER WALLL MOUNTING
NTS



NOTE:
COMPLY WITH NEC 250 AND OTHER APPLICABLE CODE SECTIONS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

DIAGRAM Q011 STEP DOWN TRANSFORMER GROUNDING
NTS



NOTES:
1. MOUNT DUPLEX OUTLET BEHIND WATER COOLER.
2. PROVIDE 5mA GFCI CIRCUIT BREAKER IN PANEL.

DIAGRAM R002 ELECTRIC WATER COOLER (EWC)
NTS

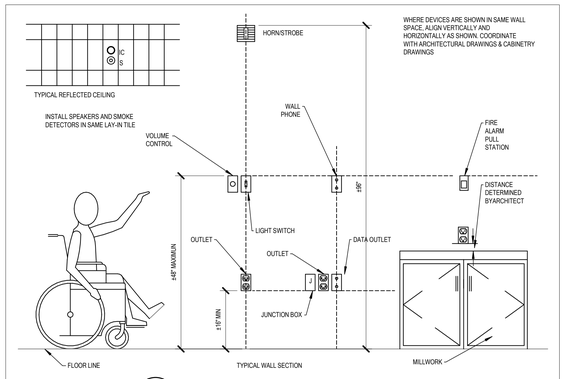
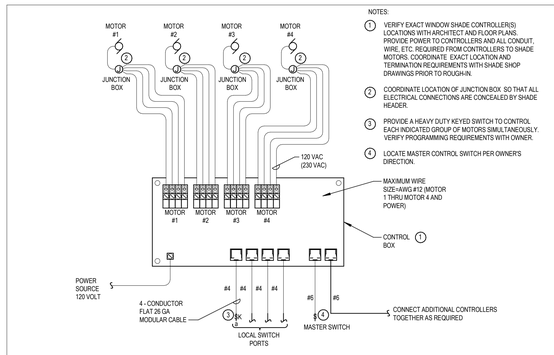


DIAGRAM R001 DEVICE MOUNTING HEIGHTS
NTS



NOTES:

1. VERIFY EXACT WINDOW SHADE CONTROLLER(S) LOCATIONS WITH ARCHITECT AND FLOOR PLANS. PROVIDE POWER TO CONTROLLERS AND ALL CONDUIT, WIRE, ETC. REQUIRED FROM CONTROLLERS TO SHADE MOTORS. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH SHADE SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. COORDINATE LOCATION OF JUNCTION BOX SO THAT ALL ELECTRICAL CONNECTIONS ARE CONCEALED BY SHADE HEADER.
3. PROVIDE A HEAVY DUTY KEYED SWITCH TO CONTROL EACH INDICATED GROUP OF MOTORS SIMULTANEOUSLY. VERIFY PROGRAMMING REQUIREMENTS WITH OWNER.
4. LOCATE MASTER CONTROL SWITCH PER OWNER'S DIRECTION.

DIAGRAM Z001 MECHOSHADE WIRING DIAGRAM
NTS

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HYDE PARK CITY, UT
84318

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ELECTRICAL DIAGRAMS

E343

KEYNOTES (#)

1. CT WIRE HARNESS.
2. REFERENCE AND POWER CIRCUIT: (1) 3-PHASE, 4-WIRE, PLUS GROUND CIRCUIT AT THE METERED VOLTAGE. FEED FROM DEDICATED 15A 3-POLE BREAKER.
3. LINE: 15AMP, 120VAC, 2 WIRE PLUS GROUND, 60HZ DIRECT FROM SERVICE PANEL.
4. (1) MODBUS RTU CABLE: BELDEN 9841 LABELED PER DRAWING.
5. (1) ETHERNET CABLE: BELDEN 2412 TERMINATED PER EIA/TIA 568B LABELED PER DRAWING.

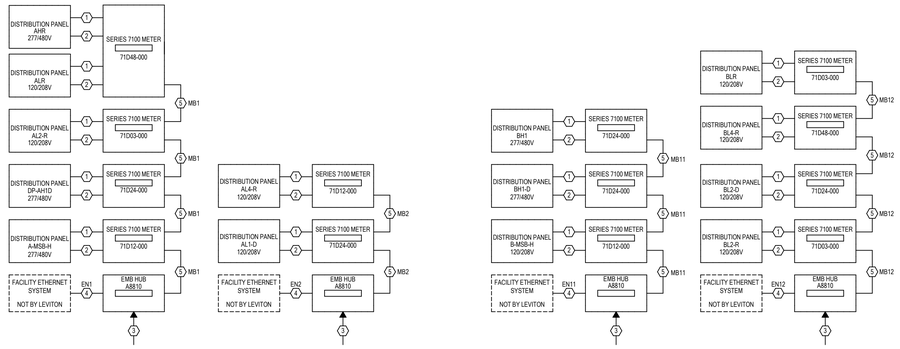

DIAGRAM U601 ENERGY METERING TOPOLOGY
NTS

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a r c h i t e c t s

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ELECTRICAL DIAGRAMS

E344

SWITCHBOARD SCHEDULE

Switchboard: MDP

LOCATION: MAIN ELEC. C227
FED FROM: MS
MOUNTING: FLOOR
ENCLOSURE: SWITCHBOARD
BUSSING: ALUMINUM

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 1,600
MAINS DISC. TYPE: MLO
MAINS DISC. TRIP: MLO
MAIN DISC. FRM:
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	2HDPB	3	400 A	29463 VA	24977 VA	28944 VA	
2	1HDPB	3	400 A	86900 VA	79086 VA	82964 VA	
3	TX-2LDPC	3	400 A	84159 VA	79232 VA	53445 VA	
4	CHILLER [CH-1], MECH. C228	3	350 A	59594 VA	59594 VA	59594 VA	
5	2HCM1	3	225 A	27787 VA	27787 VA	27787 VA	
6	2HC1	3	125 A	5283 VA	3540 VA	2721 VA	
7	SPARE	3	225 A	0 VA	0 VA	0 VA	
8	SPARE	3	225 A	0 VA	0 VA	0 VA	
9	SPARE	3	125 A	0 VA	0 VA	0 VA	
10	PROVISION	3	20 A	0 VA	0 VA	0 VA	
11	PROVISION	3	20 A	0 VA	0 VA	0 VA	
12	PROVSION	3	20 A	0 VA	0 VA	0 VA	
13	USES XL-3Y 480V #1	3	70 A	0 VA	0 VA	0 VA	PROVIDE POWER CONDITIONER
14	USES XL-3Y 480V #2	3	70 A	0 VA	0 VA	0 VA	PROVIDE POWER CONDITIONER
15	USES XL-3Y 480V #3	3	70 A	0 VA	0 VA	0 VA	PROVIDE POWER CONDITIONER
16	USES XL-3Y 480V #4	3	70 A	0 VA	0 VA	0 VA	PROVIDE POWER CONDITIONER
			TOTAL LOAD (VA):	**293185 VA**	**274216 VA**	**255454 VA**	
			TOTAL LOAD (AMPS):	**1069 A**	**1000 A**	**922 A**	

TOTAL CONN. LOAD: 814496 VA
TOTAL CURRENT (AVG): 980 A

AIC RATING: 57,873

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals	
* DRYER	5000 VA	100.00%	5000 VA	**Total Conn. Load:**	814496 VA
* ELEC WATER COOLER	7200 VA	100.00%	7200 VA	**Total Est. Demand:**	765030 VA
* ICE MACHINE	1000 VA	100.00%	1000 VA	**Total Conn. Current:**	980 A
* MICROWAVE	4500 VA	100.00%	4500 VA	**Total Est. Demand Current:**	765030 VA
* REFRIGERATOR	3000 VA	100.00%	3000 VA		
* VENDING MACHINE	2000 VA	100.00%	2000 VA		
* WASHING MACHINE	1400 VA	125.00%	1750 VA		
HVAC	583646 VA	100.00%	583646 VA		
LIGHTING	13699 VA	125.00%	17124 VA		
Motor	6624 VA	100.00%	6624 VA		
Other	35229 VA	100.00%	35229 VA		
POWER	34720 VA	100.00%	34720 VA		
RECEPT	116480 VA	54.29%	63240 VA		

NOTES:

PANELBOARD SCHEDULE

PANEL: 2HCM1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: MAIN ELEC. C227
FED FROM: MDP

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
X DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
COOLING TOWER [CT-1], UTILITY YAR...	20 A		3	#12	1	3048			6518			2	#8	3		40 A	SUPPLY FAN-RTU-3 [SF-RTU-3]
--	--	--	--	--	3		3048			6518		4	--	--	--	--	--
--	--	--	--	--	5			3048			6518	6	--	--	--	--	--
CT SUMP PUMP HEATER [CT-SP]...	20 A		3	#12	7	3333			3858			8	#10	3		25 A	ROOF EXHAUST FAN [RF-RTU-3]
--	--	--	--	--	9		3333			3858		10	--	--	--	--	--
--	--	--	--	--	11			3333			3858	12	--	--	--	--	--
PUMP [P-3]	25 A		3	#10	13	3880			582			14	#12	3		15 A	MAKE-UP AIR HANDLER UNIT [MAU-1]
--	--	--	--	--	15		3880			582		16	--	--	--	--	--
--	--	--	--	--	17			3880			582	18	--	--	--	--	--
PUMP [P-4]	25 A		3	#10	19	3880			582			20	#12	3		15 A	MAKE-UP AIR HANDLER UNIT [MAU-2]
--	--	--	--	--	21		3880			582		22	--	--	--	--	--
--	--	--	--	--	23			3880			582	24	--	--	--	--	--
FLUID FILTER [TF-1]	15 A		3	#12	25	2106			--			26	--	1	--	--	SPACE ONLY
--	--	--	--	--	27		2106			--		28	--	1	--	--	SPACE ONLY
--	--	--	--	--	29			2106			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE
FEED THRU LOAD						27787	27787	27787	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
0 VA						100 A	100 A	100 A	**AMPS/PHASE**								83361 VA

AIC RATING 41,305 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE		
MDP	2LMC1	MS
2HCM1	2LDPC	2LC1
	2RPC	2HC1

PANELBOARD GENERAL SHEET NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX"ORIGINATES AT PANEL "XX"(OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVED, AND INDIVIDUAL EQUIPMENT, ETC. LABEL CIRCUIT BREAKERS TO IDENTIFY LOCATION OF SUBPANEL OR EQUIPMENT SUPPLIED USING ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

PANELBOARD SCHEDULE

PANEL: 2LMC1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: MAIN ELEC. C227
FED FROM: TX-2LDPC

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
X DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
RECEPT, MULTIPURPOSE ROOM C225	20 A		1	#12	1	500			500			2	#12	1		20 A	LIGHTING RELAY PANEL 2RPC, MAIN ELE...
RECEPT, MULTIPURPOSE ROOM C225	20 A		1	#12	3		500			360		4	#12	1		20 A	ROOF DRAIN HEAT TRACE
RECEPT, MULTIPURPOSE ROOM C225	20 A		1	#12	5			1080			--	6	--	1	--	--	SPACE ONLY
RECEPT, MULTIPURPOSE ROOM C225	20 A		1	#12	7	720			--			8	--	1	--	--	SPACE ONLY
BASKETBALL STANDARD...	20 A		1	#10	9		1176			--		10	--	1	--	--	SPACE ONLY
BASKETBALL STANDARD...	20 A		1	#12	11			1176			--	12	--	1	--	--	SPACE ONLY
GYM DIVIDER CURTAIN,...	30 A		1	#8	13	1920			--			14	--	1	--	--	SPACE ONLY
RECEPT, STORAGE C234	20 A		1	#12	15		180			--		16	--	1	--	--	SPACE ONLY
VAV PWR, KITCHEN C231	20 A		1	#12	17			200			--	18	--	1	--	--	SPACE ONLY
FSD POWER, KITCHEN C231	20 A		1	#12	19	200			--			20	--	1	--	--	SPACE ONLY
RECEPT, MECH. C228	20 A		1	#12	21		900			--		22	--	1	--	--	SPACE ONLY
RECEPT, MECH. C229	20 A		1	#12	23			720			--	24	--	1	--	--	SPACE ONLY
RECEPT, Room C227, C259	20 A		1	#12	25	540			--			26	--	1	--	--	SPACE ONLY
LIGHTING, RECEPT, TUNNEL	20 A		1	#12	27		733			--		28	--	1	--	--	SPACE ONLY
LIGHTING, TUNNEL	20 A		1	#12	29	200			--			30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31			0			0	32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33	0			0			34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35		0			0		36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37			0			0	38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39	0			0			40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41		0			0		42	--	1	--	20 A	SPARE
FEED THRU LOAD						8224	9444	7650	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
0 VA						69 A	79 A	64 A	**AMPS/PHASE**								24818 VA

AIC RATING 14,617 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

POWER DISTRIBUTION PANELBOARD SCHEDULE

Switchboard: 2LDPC

LOCATION: MAIN ELEC. C227
FED FROM: I-LINE
MOUNTING: SURFACE
ENCLOSURE: I-LINE
BUSSING: ALUMINUM

VOLTS: 120/208 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 800
MAINS DISC. TYPE: MCB
MAINS DISC. TRIP: 800
MAIN DISC. FRM: 800
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	2LCM1	3	150 A	8224 VA	9444 VA	7650 VA	
2	DISHWASHER [K31.1], KITCHEN C231	3	150 A	15155 VA	15155 VA	15155 VA	
3	2LC1	3	125 A	4380 VA	3849 VA	3306 VA	
4	K1	3	150 A	9005 VA	6513 VA	6913 VA	
5	K2	3	150 A	5840 VA	4720 VA	4800 VA	
6	2LC2	3	125 A	8830 VA	6826 VA	8896 VA	
7	UDS [K-16.1]	3	70 A	6725 VA	6725 VA	6725 VA	SHUNT TRIP BREAKER
8	FUTURE PORTABLE	2	200 A	13000 VA	13000 VA		
9	FUTURE PORTABLE	2	200 A	13000 VA	13000 VA		
10	SPARE	3	225 A	0 VA	0 VA	0 VA	
11	PROVISION	3	225 A	0 VA	0 VA	0 VA	
12	PROVISION	3	225 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**84159 VA**	**79232 VA**	**53445 VA**	
			TOTAL LOAD (AMPS):	**734 A**	**693 A**	**445 A**	

TOTAL CONN. LOAD: 214337 VA
TOTAL CURRENT (AVG): 595 A

AIC RATING: 26,104

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals	
* DRYER	5000 VA	100.00%	5000 VA	**Total Conn. Load:**	214337 VA
* ELEC WATER COOLER	2400 VA	100.00%	2400 VA	**Total Est. Demand:**	207043 VA
* WASHING MACHINE	1400 VA	125.00%	1750 VA	**Total Conn. Current:**	595 A
HVAC	162890 VA	100.00%	162890 VA	**Total Est. Demand Current:**	207043 VA
LIGHTING	143 VA	125.00%	179 VA		
Motor	6624 VA	100.00%	6624 VA		
Other	1900 VA	100.00%	1900 VA		
POWER	8620 VA	100.00%	8620 VA		
RECEPT	25360 VA	69.72%	17680 VA		

NOTES:

SWITCHBOARD SCHEDULE

Switchboard: MS

LOCATION: UTILITY YARD C259
FED FROM: CT
MOUNTING: FLOOR
ENCLOSURE: SWITCHBOARD
BUSSING: ALUMINUM

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 1,600
MAINS DISC. TYPE: MCB
MAINS DISC. TRIP: 1600
MAIN DISC. FRM: 1600
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	MDP	3	1600 A	293185 VA	274216 VA	255454 VA	
2	PROVISION	3	600 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**293185 VA**	**274216 VA**	**255454 VA**	
			TOTAL LOAD (AMPS):	**1069 A**	**1000 A**	**922 A**	

TOTAL CONN. LOAD: 814496 VA
TOTAL CURRENT (AVG): 980 A

AIC RATING: 61,460

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals	
* DRYER	5000 VA	100.00%	5000 VA	**Total Conn. Load:**	814496 VA
* ELEC WATER COOLER	7200 VA	100.00%	7200 VA	**Total Est. Demand:**	765030 VA
* ICE MACHINE	1000 VA	100.00%	1000 VA	**Total Conn. Current:**	980 A
* MICROWAVE	4500 VA	100.00%	4500 VA	**Total Est. Demand Current:**	765030 VA
* REFRIGERATOR	3000 VA	100.00%	3000 VA		
* VENDING MACHINE	2000 VA	100.00%	2000 VA		
* WASHING MACHINE	1400 VA	125.00%	1750 VA		
HVAC	583646 VA	100.00%	583646 VA		
LIGHTING	13699 VA	125.00%	17124 VA		
Motor	6624 VA	100.00%	6624 VA		
Other	35229 VA	100.00%	35229 VA		
POWER	34720 VA	100.00%	34720 VA		
RECEPT	116480 VA	54.29%	63240 VA		

NOTES:
NEMA 3R, RMP EUSERC

PANELBOARD SCHEDULE

PANEL: 2LC1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: MAIN ELEC. C227
FED FROM: 2LDPC

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
X DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
LIGHTING, Other, CORRIDOR C2 C249	20 A		1	#12	1	587			--			2	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room C235-1, C238,...	20 A		1	#12	3		2229			--		4	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room C231, C252,...	20 A		1	#12	5			1684			--	6	--	1	--	--	SPACE ONLY
LIGHTING, Room C230, C234, C251	20 A		1	#12	7	926			--			8	--	1	--	--	SPACE ONLY
LIGHTING, CORRIDOR C2 C249	20 A		1	#12	9		8			--		10	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#10	11			575			--	12	--	1	--	--	SPACE ONLY
Other	20 A		1	#12	13	2860			--			14	--	1	--	--	SPACE ONLY
INV-1500W	1 A		1	#12	15		1100			--		16	--	1	--	--	SPACE ONLY
LIGHTING, UTILITY YARD C259	20 A		1	#12	17			462			--	18	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#12	19	910			--			20	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#12	21		203			--		22	--	1	--	--	SPACE ONLY
					23						--	24	--	1	--	--	SPACE ONLY
					25				--			26	--	1	--	--	SPACE ONLY
					27					--		28	--	1	--	--	SPACE ONLY
					29						--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE
FEED THRU LOAD						5283	3540	2721	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
0 VA						20 A	13 A	10 A	**AMPS/PHASE**								11544 VA

AIC RATING 33,660 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

naylor wentworth lund
a r c h i t e c t s

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0175.002



DATE	REVISION

PANEL SCHEDULES

E370

PANELBOARD SCHEDULE

PANEL: K1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: KITCHEN C231
FED FROM: 2LDPC

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
K-13, KITCHEN C231	20 A		1	#12	1	500			520			2	#12	2		20 A	K-5.2
K-25, KITCHEN C231	20 A		1	#12	3		1140			520		4	--	--	--	--	--
K-23, KITCHEN C231	20 A		1	#12	5			960			720	6	#12	1		20 A	K-5
K-21, KITCHEN C231	20 A		3	#12	7	300			1800			8	#12	1		20 A	K-6.1
--	--	--	--	--	9		300			720		10	#12	1		20 A	K-6
--	--	--	--	--	11			300			2500	12	#10	2	GF	30 A	DRYER, , KITCHEN C231
K-22, KITCHEN C231	20 A		1	#12	13	324			2500			14	--	--	--	--	--
K-21, KITCHEN C231	20 A		3	#12	15		300			1400		16	#12	1	GF	20 A	WASHING MACHINE, KITCHEN C231
--	--	--	--	--	17			300			1561	18	#12	3		20 A	K-6.2
--	--	--	--	--	19	300			1561			20	--	--	--	--	--
K-34	20 A	2	#12	21			572			1561		22	--	--	--	--	--
--	--	--	--	--	23			572			--	24	--	1	--	--	SPACE ONLY
K-5.1	20 A		1	#12	25	1200			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

9005	6513	6913	TOTAL (VA)
76 A	54 A	58 A	AMPS/PHASE

CONNECTED LOAD TOTAL
22431 VA

AIC RATING 8,799 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2LC2 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: IDF C232
FED FROM: 2LDPC

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
CIR. 'a', CLASSROOM KINDERGARTEN...	20 A		1	#12	1	1000				500		2	#12	1		20 A	FIRE ALARM, IDF C232
CIR. 'b', CLASSROOM KINDERGARTEN...	20 A		1	#12	3		1000				500	4	#12	1		20 A	FIRE ALARM, IDF C232
CIR. 'c', RECEPT., Room C235-1, C236	20 A		1	#12	5			1440			900	6	#12	1		20 A	RECEPT, EXTERIOR STORAGE C230
CIR. 'a', CLASSROOM KINDERGARTEN...	20 A		1	#12	7	1000				540		8	#12	1		20 A	RECEPT, EXTERIOR STORAGE C230
CIR. 'b', CLASSROOM KINDERGARTEN...	20 A		1	#12	9		1000				1176	10	#12	1		20 A	OVERHEAD DOOR, EXT STORAGE C230
CIR. 'c', RECEPT., Room C237, C238	20 A		1	#12	11			1260				12	#12	1		20 A	OVERHEAD DOOR, RECEIVING C233
CIR. 'a', CLASSROOM KINDERGARTEN...	20 A		1	#12	13	1000				540		14	#12	1		20 A	RECEPT, RECEIVING C233
CIR. 'b', CLASSROOM KINDERGARTEN...	20 A		1	#12	15		1000				0	16	#12	1		20 A	DOOR HARDWARE PWR, ENTRY C2 C250
CIR. 'c', RECEPT., Room C239, C240	20 A		1	#10	17			1260			1220	18	#12	1		20 A	Other, RECEPT, CORRIDOR C2 C249
RECEPT, IDF C232	20 A		1	#12	19	900				2400		20	#10	1	GF	25 A	ELEC. WATER COOLER
4-PLEX DATA RACK, IDF C232	20 A		1	#12	21		180				720	22	#12	1		20 A	RECEPT, STORAGE C251
4-PLEX DATA RACK	20 A		1	#12	23			360			200	24	#12	1		20 A	VAV PWR, CORRIDOR C2 C249
208V/1P DATA RACK PWR	20 A		2	#12	25	750				200		26	#12	1		20 A	FSD POWER, CORRIDOR C2 C249
	--	--	--	--	27		750				500	28	#12	1		0 A	ATC
4-PLEX DATA RACK	20 A		1	#12	29			360				30	#12	1		20 A	ROOF DRAIN HEAT TRACE
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

8830	6826	8896	TOTAL (VA)
76 A	57 A	77 A	AMPS/PHASE

CONNECTED LOAD TOTAL
23052 VA

AIC RATING 7,066 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: K2 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: KITCHEN C231
FED FROM: 2LDPC

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
K-18, KITCHEN C231	20 A	GF	1	#12	1	600			540			2	#12	1		20 A	RECEPT, KITCHEN LOCKER C231
K-19, KITCHEN C231	20 A	GF	1	#12	3		600			1000		4	#12	1		20 A	Other, KITCHEN C231
K-18, KITCHEN C231	20 A	GF	1	#12	5			600			800	6	#12	1		20 A	RECEPT, KITCHEN C231
K-16.2, KITCHEN C231	20 A	ST	1	#12	7	1000			800			8	#12	1		20 A	RECEPT, KITCHEN C231
SHUNT TRIP	--	--	1	--	9		--			900		10	#12	1		20 A	RECEPT, Room C231, C252, C253
K-16.3, KITCHEN C231	20 A	ST	1	#12	11			1000			900	12	#12	1		20 A	RECEPT, Room C231, C256
SHUNT TRIP	--	--	1	--	13	--			1000			14	#12	1		20 A	DRAIN HEAT TAPE
K-14, KITCHEN C231	20 A	ST	1	#12	15		1000			500		16	#12	2		20 A	DEFROST
SHUNT TRIP	--	--	1	--	17			--			500	18	--	--	--	--	--
K-11, KITCHEN C231	20 A	ST	1	#12	19	600			400			20	#12	1		20 A	COOLER/FREEZER LIGHTS
SHUNT TRIP	--	--	1	--	21		--			--		22	--	1	--	--	SPACE ONLY
CONV. RECEPT, KITCHEN C231	20 A	GF	1	#12	23			1000			--	24	--	1	--	--	SPACE ONLY
RECEPT, OFFICE C254	20 A		1	#12	25	900			--			26	--	1	--	--	SPACE ONLY
RECEPT, Room C231, C255	20 A		1	#12	27		720			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	31	--			--			32	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

5840	4720	4800	TOTAL (VA)
49 A	39 A	40 A	AMPS/PHASE

CONNECTED LOAD TOTAL
15360 VA

AIC RATING 8,619 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2LB3 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: MUSIC STORAGE B244
FED FROM: 2LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
CIR. 'a', CLASSROOM PRESCHOOL B241	20 A		1	#12	1	1000			--			2	--	1	--	--	SPACE ONLY
CIR. 'b', CLASSROOM PRESCHOOL B241	20 A		1	#12	3		1000			--		4	--	1	--	--	SPACE ONLY
CIR. 'c', RECEPT, Room B241, B242	20 A		1	#12	5			1260			--	6	--	1	--	--	SPACE ONLY
CIR. 'a', CLASSROOM MUSIC B245	20 A		1	#12	7	1000			--			8	--	1	--	--	SPACE ONLY
CIR. 'b', CLASSROOM MUSIC B245	20 A		1	#12	9		1000			--		10	--	1	--	--	SPACE ONLY
CIR. 'c', CLASSROOM MUSIC B245	20 A		1	#12	11			1080			--	12	--	1	--	--	SPACE ONLY
RECEPT, Room B243, B244	20 A		1	#12	13	900			--			14	--	1	--	--	SPACE ONLY
Other, RECEPT, SLP OFFICE B246	20 A		1	#12	15		1580			--		16	--	1	--	--	SPACE ONLY
RECEPT	20 A		1	#12	17			540			--	18	--	1	--	--	SPACE ONLY
Other, RECEPT	20 A		1	#12	19	860			--			20	--	1	--	--	SPACE ONLY
EXHAUST FAN [EF-5]	15 A		1	#12	21		132			--		22	--	1	--	--	SPACE ONLY
FIRE ALARM, CUSTODIAL B243	20 A		1	#12	23			500			--	24	--	1	--	--	SPACE ONLY
ROOF DRAIN HEAT TRACE	20 A	EG	1	#12	25	360			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

4120	3712	3380	TOTAL (VA)
35 A	31 A	28 A	AMPS/PHASE

CONNECTED LOAD TOTAL
10712 VA

AIC RATING 4,513 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

INDEX OF PANELBOARD SCHEDULES

	K1	2LC2
	K2	2LB3

PANELBOARD GENERAL SHEET NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX"ORIGINATES AT PANEL "XX"(OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVED, AND INDIVIDUAL EQUIPMENT, ETC. LABEL CIRCUIT BREAKERS TO IDENTIFY LOCATION OF SUBPANEL OR EQUIPMENT SUPPLIED USING ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

naylor wentworth lund
a r c h i t e c t s

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE | BID SET
ISSUE DATE | 03/25/2025
NWL PROJECT | 0719.002

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709937-2202
STATE OF UTAH

△ DATE REVISION

PANEL SCHEDULES

E371

POWER DISTRIBUTION PANELBOARD SCHEDULE

Switchboard: 2HDPB

LOCATION: ELEC. B217
FED FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: I-LINE
BUSSING: ALUMINUM

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 400
MAINS DISC. TYPE: MLO
MAINS DISC. TRIP: MLO
MAIN DISC. FRM:
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	TX-2LDPB	3	175 A	18384 VA	18182 VA	19477 VA	
2	2HB1	3	125 A	5537 VA	1253 VA	3924 VA	
3	ELEVATOR MAIN DISCONNECT	3	40 A	5543 VA	5543 VA	5543 VA	
4	SPARE	3	125 A	0 VA	0 VA	0 VA	
5	PROVISION	3	225 A	0 VA	0 VA	0 VA	
6	PROVISION	3	225 A	0 VA	0 VA	0 VA	
7	PROVISION	3	125 A	0 VA	0 VA	0 VA	
8	SPARE	3	125 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**29463 VA**	**24077 VA**	**28944 VA**	
			TOTAL LOAD (AMPS):	**109 A**	**90 A**	**107 A**	

TOTAL CONN. LOAD:	81524 VA
TOTAL CURRENT (AVG):	98 A

AIC RATING: 28,737

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals	
* ELEC WATER COOLER	2400 VA	100.00%	2400 VA	**Total Conn. Load:**	81524 VA
HVAC	34211 VA	100.00%	34211 VA	**Total Est. Demand:**	75905 VA
LIGHTING	4291 VA	125.00%	5363 VA	**Total Conn. Current:**	98 A
Other	11029 VA	100.00%	11029 VA	**Total Est. Demand Current:**	75905 VA
POWER	6220 VA	100.00%	6220 VA		
RECEPT	23380 VA	71.39%	16690 VA		

NOTES:

POWER DISTRIBUTION PANELBOARD SCHEDULE

Switchboard: 2LDPB

LOCATION: ELEC. B217
FED FROM: TX-2LDPB
MOUNTING: SURFACE
ENCLOSURE: I-LINE
BUSSING: ALUMINUM

VOLTS: 120/208 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 400
MAINS DISC. TYPE: MCB
MAINS DISC. TRIP: 400
MAIN DISC. FRM: 400
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	2LB1	3	125 A	6458 VA	6184 VA	6119 VA	
2	2LB2	3	125 A	1995 VA	2486 VA	3360 VA	
3	2LBM1	3	125 A	5812 VA	5800 VA	6619 VA	
4	2LB3	3	125 A	4120 VA	3712 VA	3380 VA	
5	SPARE	3	125 A	0 VA	0 VA	0 VA	
6	PROVISION	3	225 A	0 VA	0 VA	0 VA	
7	PROVISION	3	125 A	0 VA	0 VA	0 VA	
8	PROVISION	3	125 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**18384 VA**	**18182 VA**	**19477 VA**	
			TOTAL LOAD (AMPS):	**153 A**	**152 A**	**163 A**	

TOTAL CONN. LOAD:	54182 VA
TOTAL CURRENT (AVG):	150 A

AIC RATING: 12,079

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals	
* ELEC WATER COOLER	2400 VA	100.00%	2400 VA	**Total Conn. Load:**	54182 VA
HVAC	17583 VA	100.00%	17583 VA	**Total Est. Demand:**	47706 VA
LIGHTING	887 VA	125.00%	1109 VA	**Total Conn. Current:**	150 A
Other	3746 VA	100.00%	3746 VA	**Total Est. Demand Current:**	47706 VA
POWER	6220 VA	100.00%	6220 VA		
RECEPT	23380 VA	71.39%	16690 VA		

NOTES:

PANELBOARD SCHEDULE

PANEL: 2HB1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B217
FED FROM: 2HDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
Other, Room A209, A210, A211, A212..	20 A		1	#12	1	3528			--			2	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room A247-1, A576	20 A		1	#12	3		1229			--		4	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room B201, B202-1,..	20 A		1	#12	5			2488			--	6	--	1	--	--	SPACE ONLY
LIGHTING, Other, GYM OFFICE B226	20 A		1	#12	7	866			--			8	--	1	--	--	SPACE ONLY
LIGHTING, Room A247-1, B203, C249	20 A		1	#12	9		24			--		10	--	1	--	--	SPACE ONLY
LIGHTING, Other, MEDIA CENTER B203	20 A		1	#12	11			1436			--	12	--	1	--	--	SPACE ONLY
INV-1500W	1 A		1	#12	13	1143			--			14	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	15		--			--		16	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	17			--			--	18	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	19	--			--			20	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	21		--			--		22	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	23			--			--	24	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	25	--			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	31	--			--			32	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD				
0 VA	5537	1253	3924	**TOTAL (VA)**
	21 A	5 A	16 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
10714 VA

AIC RATING 21,173 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:
- <BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
- GF 5 mA GROUND FAULT CIRCUIT BREAKER
- AF ARC-FAULT CIRCUIT BREAKER
- CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
- EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
- ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2LBM1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B217
FED FROM: 2LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
EXHAUST FAN [EF-4]	15 A		1	#12	1	132			901			2	#12	3		15 A	ROOF RELIEF FAN [RF-1]
EXHAUST FAN [EF-10]	15 A		1	#12	3		120			901		4	--	--	--	--	--
ROOF RECEPTACLE	20 A		1	#12	5			1000			901	6	--	--	--	--	--
EXHAUST FAN [EF-6]	15 A		2	#12	7	562			901			8	#12	3		15 A	ROOF RELIEF FAN [RF-2]
--	--	--	--	--	9		562			901		10	--	--	--	--	--
ATC	0 A		1	#12	11			500			901	12	--	--	--	--	--
SPACE ONLY	--	--	1	--	13	--			901			14	#12	3		15 A	ROOF RELIEF FAN [RF-3]
SPACE ONLY	--	--	1	--	15		--			901		16	--	--	--	--	--
SPACE ONLY	--	--	1	--	17			--			901	18	--	--	--	--	--
SPACE ONLY	--	--	1	--	19	--			901			20	#12	3		15 A	ROOF RELIEF FAN [RF-4]
SPACE ONLY	--	--	1	--	21		--			901		22	--	--	--	--	--
SPACE ONLY	--	--	1	--	23			--			901	24	--	--	--	--	--
SPACE ONLY	--	--	1	--	25	--			758			26	#12	2		15 A	SPLIT SYSTEM OUTDOOR UNIT [CU-1]
SPACE ONLY	--	--	1	--	27		--			758		28	--	--	--	--	--
SPACE ONLY	--	--	1	--	29			--			758	30	#12	2		15 A	SPLIT SYSTEM OUTDOOR UNIT [CU-2]
SPARE	20 A	--	1	--	31	0			758			32	--	--	--	--	--
SPARE	20 A	--	1	--	33		0			758		34	#12	2		15 A	SPLIT SYSTEM OUTDOOR UNIT [CU-3]
SPARE	20 A	--	1	--	35			0			758	36	--	--	--	--	--
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD				
0 VA	5812	5800	6619	**TOTAL (VA)**
	48 A	48 A	55 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
17731 VA

AIC RATING 8,373 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:
- <BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
- GF 5 mA GROUND FAULT CIRCUIT BREAKER
- AF ARC-FAULT CIRCUIT BREAKER
- CO COMBINATION AF CI/GFCI CIRCUIT BREAKER
- EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
- ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2LB1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B217
FED FROM: 2LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
Other, MEDIA CENTER B203	20 A		1	#12	1	1360			0			2	#12	1		20 A	VAV PWR
RECEPT, MEDIA CENTER B203	20 A		1	#12	3		720			0		4	#12	1		20 A	DOOR HARDWARE PWR
RECEPT, MEDIA CENTER B203	20 A		1	#12	5			540			361	6	#12	1		20 A	STAGE TRACK LIGHTING, STAGE
RECEPT, MEDIA CENTER B203	20 A		1	#12	7	360			340			8	#12	1		20 A	STAGE TRACKING LIGHTING,..
MOTORIZED SHADES, MEDIA CENTER	20 A		1	#12	9		1800			720		10	#12	1		20 A	ELEVATOR CAR LIGHTING
RECEPT, Room B203, B208	20 A		1	#12	11			1260			360	12	#12	1		20 A	ELEVATOR DED. 120V RECEPT
Other, RECEPT, ESL B205	20 A		1	#12	13	1400			360			14	#12	1		20 A	OUTSIDE ELEVATOR DED. 120V RECEPT
RECEPT	20 A		1	#12	15		180			184		16	#12	1		20 A	LIGHTING, ELEVATOR-2 B146-2
RECEPT, ADMIN WORKROOM B201	20 A		1	#12	17			720			500	18	#12	1		20 A	LIGHTING RELAY PANEL '2RPB', ELEC. B217
RECEPT, ADMIN WORKROOM B201	20 A		1	#12	19	720			1000			20	#12	1		20 A	GYM AV RACK, STAGE STORAGE B220
RECEPT, ADMIN WORKROOM B201	20 A		1	#12	21		540			1040		22	#12	1		20 A	Other, RECEPT, Room B202-1, B251
LARGE PRINTER, ADMIN WORKROOM..	20 A		2	#12	23			950			720	24	#12	1		20 A	RECEPT, Space B251
--	--	--	--	--	25	950			--			26	--	1	--	--	SPACE ONLY
PRINTER	20 A		1	#12	27		1000			--		28	--	1	--	--	SPACE ONLY
RECEPT, Room B221, B222, B223, B224	20 A		1	#12	29			720			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD				
0 VA	6458	6184	6119	**TOTAL (VA)**
	54 A	52 A	51 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
17900 VA

AIC RATING 8,160 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:
- <BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
- GF 5 mA GROUND FAULT CIRCUIT BREAKER
- AF ARC-FAULT CIRCUIT BREAKER
- CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
- EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
- ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2LB2 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B217
FED FROM: 2LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE	POLE	TYPE	AMPS	ITEM
RECEPT	20 A		1	#12	1	900			--			2	--	1	--	--	SPACE ONLY
PROJECTION SCREEN POWER, STAGE	20 A		1	#12	3		746			--		4	--	1	--	--	SPACE ONLY
RECEPT	20 A		1	#12	5			1080			--	6	--	1	--	--	SPACE ONLY
LIGHTING, RECEPT	20 A		1	#12	7	735			--			8	--	1	--	--	SPACE ONLY
RECEPT, CORRIDOR A2-1 A247-1	20 A		1	#12	9		540			--		10	--	1	--	--	SPACE ONLY
RECEPT, Room B226, B248	20 A		1	#12	11			1080			--	12	--	1	--	--	SPACE ONLY
RECEPT, ELEC. B217	20 A		1	#12	13	360			--			14	--	1	--	--	SPACE ONLY
ELEC. WATER COOLER	20 A	GF	1	#12	15		1200			--		16	--	1	--	--	SPACE ONLY
ELEC. WATER COOLER	20 A	GF	1	#12	17			1200			--	18	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	19	--			--			20	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	21		--			--		22	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	23			--			--	24	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	25	--			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD				
0 VA	1995	2486	3360	**TOTAL (VA)**
	17 A	21 A	29 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
7841 VA

AIC RATING 8,358 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:
- <BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
- GF 5 mA GROUND FAULT CIRCUIT BREAKER
- AF ARC-FAULT CIRCUIT BREAKER
- CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
- EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
- ST SHUNT TRIP CIRCUIT BREAKER

INDEX OF PANELBOARD SCHEDULES

2HDPB	2HB1	2LB1
2LDPB	2LBM1	2LB2

PANELBOARD GENERAL SHEET NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX"ORIGINATES AT PANEL "XX"(OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVED, AND INDIVIDUAL EQUIPMENT, ETC. LABEL CIRCUIT BREAKERS TO IDENTIFY LOCATION OF SUBPANEL OR EQUIPMENT SUPPLIED USING ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

naylor wentworth lund
a r c h i t e c t s

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709032[illegible]
STATE OF UTAH

DATE	REVISION

PANEL SCHEDULES

E372

POWER DISTRIBUTION PANELBOARD SCHEDULE

Switchboard: 1HDPB

LOCATION: ELEC. B145
FED FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: I-LINE
BUSSING: ALUMINUM

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 400
MAINS DISC. TYPE: MLO
MAINS DISC. TRIP: MLO
MAIN DISC. FRM:
200% NEUTRAL
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	TX-1HDPB	3	175 A	42681 VA	39394 VA	39424 VA	
2	1HBM1	3	225 A	38000 VA	38000 VA	38000 VA	
3	1HB1	3	125 A	6219 VA	1692 VA	5540 VA	
4	SPARE	3	125 A	0 VA	0 VA	0 VA	
5	PROVISION	3	225 A	0 VA	0 VA	0 VA	
6	PROVISION	3	125 A	0 VA	0 VA	0 VA	
7	PROVISION	3	125 A	0 VA	0 VA	0 VA	
8	PROVISION	3	125 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**86900 VA**	**79086 VA**	**82964 VA**	
			TOTAL LOAD (AMPS):	**316 A**	**286 A**	**302 A**	

TOTAL CONN. LOAD: 244949 VA
TOTAL CURRENT (AVG): 295 A

AIC RATING: 26,729

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals
* ELEC WATER COOLER	2400 VA	100.00%	2400 VA	**Total Conn. Load:** 244949 VA
* ICE MACHINE	1000 VA	100.00%	1000 VA	**Total Est. Demand:** 217427 VA
* MICROWAVE	4500 VA	100.00%	4500 VA	**Total Conn. Current:** 295 A
* REFRIGERATOR	3000 VA	100.00%	3000 VA	**Total Est. Demand Current:** 217427 VA
* VENDING MACHINE	2000 VA	100.00%	2000 VA	
HVAC	124403 VA	100.00%	124403 VA	
LIGHTING	5392 VA	125.00%	6740 VA	
Other	14634 VA	100.00%	14634 VA	
POWER	19880 VA	100.00%	19880 VA	
RECEPT	67740 VA	57.38%	38870 VA	

NOTES:

POWER DISTRIBUTION PANELBOARD SCHEDULE

Switchboard: 1LDPB

LOCATION: ELEC. B145
FED FROM: TX-1HDPB
MOUNTING:
ENCLOSURE:
BUSSING: ALUMINUM

VOLTS: 120/208 Y
PHASE: 3
WIRES: 4
LUGS: Standard
DOOR-IN-DOOR:

MAINS/BUS AMPS: 400
MAINS DISC. TYPE: MCB
MAINS DISC. TRIP: 400
MAIN DISC. FRM: 400
200% NEUTRAL
SPD:

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMP RATING	A	B	C	REMARKS
1	1LA1	3	125 A	9176 VA	8864 VA	8780 VA	
2	1LA2	3	125 A	9580 VA	10660 VA	9460 VA	
3	1LB1	3	125 A	9300 VA	8640 VA	8120 VA	
4	1LB2	3	150 A	4080 VA	3760 VA	5320 VA	
5	1LB3	3	125 A	10545 VA	7470 VA	7744 VA	
6	SPARE	3	125 A	0 VA	0 VA	0 VA	
7	PROVISION	3	225 A	0 VA	0 VA	0 VA	
8	PROVISION	3	125 A	0 VA	0 VA	0 VA	
			TOTAL LOAD (VA):	**42681 VA**	**39394 VA**	**39424 VA**	
			TOTAL LOAD (AMPS):	**356 A**	**328 A**	**329 A**	

TOTAL CONN. LOAD: 117499 VA
TOTAL CURRENT (AVG): 326 A

AIC RATING: 11,943

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Panel Totals
* ELEC WATER COOLER	2400 VA	100.00%	2400 VA	**Total Conn. Load:** 117499 VA
* ICE MACHINE	1000 VA	100.00%	1000 VA	**Total Est. Demand:** 88648 VA
* MICROWAVE	4500 VA	100.00%	4500 VA	**Total Conn. Current:** 326 A
* REFRIGERATOR	3000 VA	100.00%	3000 VA	**Total Est. Demand Current:** 88648 VA
* VENDING MACHINE	2000 VA	100.00%	2000 VA	
HVAC	10404 VA	100.00%	10404 VA	
LIGHTING	75 VA	125.00%	94 VA	
Other	6500 VA	100.00%	6500 VA	
POWER	19880 VA	100.00%	19880 VA	
RECEPT	67740 VA	57.38%	38870 VA	

NOTES:

PANELBOARD SCHEDULE

PANEL: 1HBM1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B145
FED FROM: 1HDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR NO.	A	B	C	A	B	C	CIR NO.	WIRE	POLE	TYPE	AMPS	ITEM
PUMP [P-1], MECH B126	25 A		3	#10	1	3880				12770		2	#4	3		70 A	SUPPLY FAN-AH-2 [SF-AH-2], MECH B126
--	--	--	--	--	3		3880				12770	4	--	--	--	--	--
--	--	--	--	--	5			3880				6	--	--	--	--	--
PUMP [P-2], MECH B126	25 A		3	#10	7	3880				9711		8	#4	3		60 A	SUPPLY FAN-AH-1 [SF-AH-1], MECH B126
--	--	--	--	--	9		3880				9711	10	--	--	--	--	--
--	--	--	--	--	11			3880				12	--	--	--	--	--
PUMP [P-5], MECH B126	25 A		3	#10	13	3880			--			14	--	1	--	--	SPACE ONLY
--	--	--	--	--	15		3880				--	16	--	1	--	--	SPACE ONLY
--	--	--	--	--	17			3880				18	--	1	--	--	SPACE ONLY
PUMP [P-4], MECH B126	25 A		3	#10	19	3880			--			20	--	1	--	--	SPACE ONLY
--	--	--	--	--	21		3880				--	22	--	1	--	--	SPACE ONLY
--	--	--	--	--	23			3880				24	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	25	--			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--				--	28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--				30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0						32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0					34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0				36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0						38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0					40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0				42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

38000	38000	38000	**TOTAL (VA)**
137 A	137 A	137 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
113999 VA

AIC RATING 22,271 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1HB1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B145
FED FROM: 1HDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR NO.	A	B	C	A	B	C	CIR NO.	WIRE	POLE	TYPE	AMPS	ITEM
LIGHTING, Other, Room A116, A117,...	20 A		1	#12	1	3580			--			2	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room B136, B142	20 A		1	#12	3		1253			--		4	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room B101, B102,...	20 A		1	#12	5			4164			--	6	--	1	--	--	SPACE ONLY
LIGHTING, Other, Room A616, B144	20 A		1	#12	7	1497			--			8	--	1	--	--	SPACE ONLY
LIGHTING, Room B136, B142	20 A		1	#12	9		16			--		10	--	1	--	--	SPACE ONLY
MAIN PARKING LOT LIGHTS	20 A		1	#10	11			1110			--	12	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#12	13	1142			--			14	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#12	15		423			--		16	--	1	--	--	SPACE ONLY
LIGHTING	20 A		1	#12	17			266			--	18	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	19	--			--			20	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	21		--			--		22	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	23			--			--	24	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	25	--			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--				--	28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--				30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0				0		32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0				0	34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0				36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0				0		38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0				0	40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0				42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

6219	1692	5540	**TOTAL (VA)**
25 A	6 A	22 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
13451 VA

AIC RATING 19,866 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1LA1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: CUSTODIAL STORAGE A121
FED FROM: 1LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR NO.	A	B	C	A	B	C	CIR NO.	WIRE	POLE	TYPE	AMPS	ITEM
CIR. 'x', CLASSROOM GRADE 3 A122	20 A		1	#12	1	1000			1000			2	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A117
CIR. 'x', CLASSROOM GRADE 3 A122	20 A		1	#12	3		1000			1000		4	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A117
CIR. 'x', CLASSROOM GRADE 3 A122	20 A		1	#12	5			1080			1080	6	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A117
CIR. 'x', CLASSROOM GRADE 3 A123	20 A		1	#12	7	1000			1000			8	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A118
CIR. 'x', CLASSROOM GRADE 3 A123	20 A		1	#12	9		1000			1000		10	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A118
CIR. 'x', CLASSROOM GRADE 3 A123	20 A		1	#12	11			1080			1080	12	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A118
CIR. 'x', CLASSROOM GRADE 3 A124	20 A		1	#12	13	1000			1000			14	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A119
CIR. 'x', CLASSROOM GRADE 3 A124	20 A		1	#12	15		1000			1000		16	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A119
CIR. 'x', CLASSROOM GRADE 3 A124	20 A		1	#12	17			1080			720	18	#12	1		20 A	CIR. 'x', CLASSROOM GRADE 4 A119
CIR. 'x', CLASSROOM GRADE 3 A125	20 A		1	#12	19	1000			1176			20	#12	1		15 A	HYDRONIC UNIT HEATER [CUH-1]
CIR. 'x', CLASSROOM GRADE 3 A125	20 A		1	#12	21		1000			864		22	#12	1		15 A	EXHAUST FAN [EF-11], CLASSROOM GRA...
CIR. 'x', CLASSROOM GRADE 3 A125	20 A		1	#10	23	1000		1080	--		500	24	#12	1		20 A	FIRE ALARM, CUSTODIAL STORAGE A121
CIR. 'x', CLASSROOM GRADE 3 A126	20 A		1	#10	25	1000			--		--	26	--	1	--	--	SPACE ONLY
CIR. 'x', CLASSROOM GRADE 3 A126	20 A		1	#10	27		1000			--	--	28	--	1	--	--	SPACE ONLY
CIR. 'x', CLASSROOM GRADE 3 A126	20 A		1	#10	29			1080			--	30	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0				0		38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0				0	40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

9176	8864	8780	**TOTAL (VA)**
77 A	74 A	73 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
26320 VA

AIC RATING 5,061 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1LB1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: ELEC. B145
FED FROM: 1LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR NO.	A	B	C	A	B	C	CIR NO.	WIRE	POLE	TYPE	AMPS	ITEM
RECEPT, CLASSROOM GRADE 3 B115	20 A		1	#12	3		1080			1500		4	#10	1		20 A	MICROWAVE
RECEPT, Room B107, B111, B112, B113	20 A		1	#12	5			720			1500	6	#10	1		20 A	MICROWAVE
Other, RECEPT, CLASSROOM GRADE...	20 A		1	#12	7	1040			1000			8	#12	1		20 A	ICE MACHINE
RECEPT, COUNSELOR B110	20 A		1	#12	9		1080			1000		10	#12	1		20 A	VENDING MACHINE
RECEPT	20 A		1	#12	11			360			1000	12	#12	1		20 A	VENDING MACHINE
RECEPT, ADMIN WORKROOM B108	20 A		1	#12	13	720			540			14	#12	1		20 A	RECEPT
RECEPT, BREAKROOM B109	20 A		1	#12	15		360			1360		16	#12	1		20 A	4-PLEX DATA RACK, RECEPT, MDF B114
REFRIGERATOR	20 A		1	#10	17			1500			1000	18	#12	2		20 A	208V/1P DATA RACK PWR, MDF B114
REFRIGERATOR	20 A		1	#12	19	1500			1000			20	--	--	--	--	--
RECEPT, NURSE B106	20 A		1	#12	21		180			1000		22	#12	1		20 A	4-PLEX DATA RACK, MDF B114
RECEPT, NURSE B106	20 A		1	#12	23			540			1000	24	#12	1		20 A	FIRE ALARM, MDF B114
SPACE ONLY	--	--	1	--	25	--			--			26	#12	1		20 A	4-PLEX DATA RACK, MDF B114
SPACE ONLY	--	--	1	--	27		--				1080	28	#12	1		20 A	RECEPT, MDF B114
SPACE ONLY	--	--	1	--	29			--		500	30	#12	1			20 A	ERRCS HEAD-END, MDF B114
SPARE	20 A	--	1	--	31	0			1000			32	#12	1		20 A	FIRE ALARM, MDF B114
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

9300	8640	8120	**TOTAL (VA)**
78 A	73 A	68 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
23560 VA

AIC RATING 7,836 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1LB3 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE
LOCATION: CUSTODIAL B131
FED FROM: 1LDPB

MAINS/BUS AMPS: 225
MAIN DIS. TYPE: MLO
MAIN DIS. TRIP: MLO

LUGS: Standard
___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE	CIR NO.	A	B	C	A	B	C	CIR NO.	WIRE	POLE	TYPE	AMPS	ITEM
LIGHTING, RECEPT, CUSTODIAL HALL...	20 A		1	#12	1	555				1400		2	#10	1		20 A	Other, RECEPT, SRO B103
RECEPT, Room B133, B134	20 A		1	#12	3		540				1080	4	#12	1		20 A	RECEPT, ADMIN. B102
Other, RECEPT, RESOURCE B137	20 A		1	#12	5			860			720	6	#12	1		20 A	RECEPT, ADMIN. B102
Other, RECEPT, RESOURCE B139	20 A		1	#12	7	860				1220		8	#10	1		20 A	Other, RECEPT, Room B103, B104
Other, RECEPT, SLP OFFICE B140	20 A		1	#12	9		860				720	10	#12	1		20 A	RECEPT, Room B127, B128, B129, B130
RECEPT, SLP OFFICE B140	20 A		1	#12	11			900			1220	12	#10	1		20 A	Other, RECEPT, PRINCIPAL B105
Other, RECEPT, CORRIDOR B1 B142	20 A		1	#12	13	1040				950		14	#12	2		20 A	LARGE PRINTER, ADMIN WORKROOM B108
RECEPT, ADMIN. B102	20 A		1	#12	15		720				950	16	--	--	--	--	--
RECEPT, CONFERENCE B104	20 A		1	#12	17			900			360	18	#12	1		20 A	RECEPT, RESOURCE B137
RECEPT, PRINCIPAL B105	20 A		1	#12	19	720			1000			20	#12	1		20 A	RECEPT, CHANGING TABLE, RR B133
RECEPT, Room B101, B108	20 A		1	#12	21		720			360		22	#12	1		20 A	RECEPT, CUSTODIAL B131
RECEPT, ESSENTIAL ELEMENTS B135	20 A		1	#12	23			900			720	24	#12	1		20 A	RECEPT, CUSTODIAL B131
Other, RECEPT, ESSENTIAL ELEMENT...	20 A		1	#12	25	1220			720			26	#12	1		20 A	RECEPT, RESOURCE B139
Other, RECEPT, Room B137, B138	20 A		1	#12	27		1040			480		28	#12	1		15 A	FAN COIL [FCU-3]
RECEPT, RESOURCE B139	20 A		1	#12	29			1080			84	30	#12	1		15 A	HOT WATER UNIT HEATER [UH-3], FIRE...
ROOF DRAIN HEAT TRACE	20 A	EG	1	#12	31	360			500			32	#12	1		20 A	FIRE ALARM, CUSTODIAL B131
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0				0		38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0				0	40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD
0 VA

10545	7470	7744	**TOTAL (VA)**
88 A	62 A	65 A	**AMPS/PHASE**

CONNECTED LOAD TOTAL
25259 VA

AIC RATING 4,695 **AMPS RMS SYSM.**

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD GENERAL SHEET NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX"ORIGINATES AT PANEL "XX"OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.). 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD, FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVED, AND INDIVIDUAL EQUIPMENT. ETC. LABEL CIRCUIT BREAKERS TO IDENTIFY LOCATION OF SUBPANEL OR EQUIPMENT SUPPLIED USING ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

INDEX OF PANELBOARD SCHEDULES

1HDPB	1LDPB	2HBM1
1LA1	1LB1	1HB1
1LA2	1LB2	1LB3

naylor wentworth lund
a r c h i t e c t s

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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

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339 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002



△	DATE	REVISION

PANEL SCHEDULES

E373

FAULT CURRENT SCHEDULE (REFERENCE ONLY)

DEVICE	VOLTAGE	FEEDER LENGTH	FEEDER AMPACITY	FAULT AT DEVICE	TRANSFORMER KVA	TRANSFORMER Z%	TRANSFORMER FAULT AT PRIMARY
PB	480V	24'	1600	65,079			
CT	480V	14'	1600	63,234			
MS	480V	14'	1600	61,460			
MDP	480V	31'	1600	57,873			
1HDPB	480V	137'	400	26,729			
1HB1	480V	24'	125	19,866			
1HBM1	480V	26'	225	22,271			
TX-1HDPB	480V	12'	175	12,808	112.5	2	23,837
1LDPB	208V	15'	400	11,943			
1LA1	208V	128'	175	5,061			
1LA2	208V	126'	175	5,102			
1LB1	208V	32'	125	7,836			
1LB2	208V	30'	150	8,488			
1LB3	208V	145'	175	4,695			
2HC1	480V	27'	125	33,660			
2HCM1	480V	28'	225	41,305			
2HDPB	480V	120'	400	28,737			
2HB1	480V	23'	125	21,173			
TX-2LDPB	480V	12'	175	12,963	112.5	2	25,511
2LDPB	208V	15'	400	12,079			
2LB1	208V	29'	125	8,160			
2LB2	208V	27'	125	8,358			
2LB3	208V	156'	175	4,513			
2LBM1	208V	27'	125	8,373			
TX-2LDPC	480V	14'	400	27,683	225	2	52,447
2LDPC	208V	16'	800	26,104			
2LC1	208V	29'	125	12,780			
2LC2	208V	91'	150	7,066			
2LCM1	208V	26'	150	14,617			
K1	208V	66'	150	8,799			
K2	208V	68'	150	8,619			

NOTES:
1. **REFERENCE ONLY:** THE SCHEDULE SHOWN IS FOR REFERENCE ONLY. THE CALCULATED LENGTHS AND AVAILABLE FAULT CURRENT FOR ELECTRICAL EQUIPMENT IS BASED UPON MODEL INFORMATION WITH ENGINEERING CONTRIBUTIONS. DIVISION 26 SHALL CONDUCT A PROTECTIVE DEVICE STUDY PER SPECIFICATION SECTION 26 0573 AND PROVIDE INFORMATION BASED UPON ACTUAL FIELD CONDITIONS.
2. AT TIME OF DOCUMENT PREPARATION THE UTILITY COMPANY HAD NOT CALCULATED AND PROVIDED THE AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE PAD MOUNTED TRANSFORMER. BECAUSE OF THIS WE HAVE ASSUMED A WORSE CASE SCENARIO FOR THE SIZE OF THE TRANSFORMER AND ITS IMPEDANCE AND USED AN INFINITE FAULT CURRENT FOR OUR FAULT CURRENT CALCULATIONS.
3. ALL EQUIPMENT SHALL BE FULL RATED. SERIES RATING OF EQUIPMENT WILL NOT BE ACCEPTED.
4. ALL OVERCURRENT PROTECTION DEVICES SHALL HAVE A FAULT CURRENT RATING THAT IS EQUAL OR GREATER THAN THE CALCULATED RATING OF THE SWITCHGEAR AND/OR PANELBOARD.

SHEET KEYNOTES

X1 GFPE PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE.

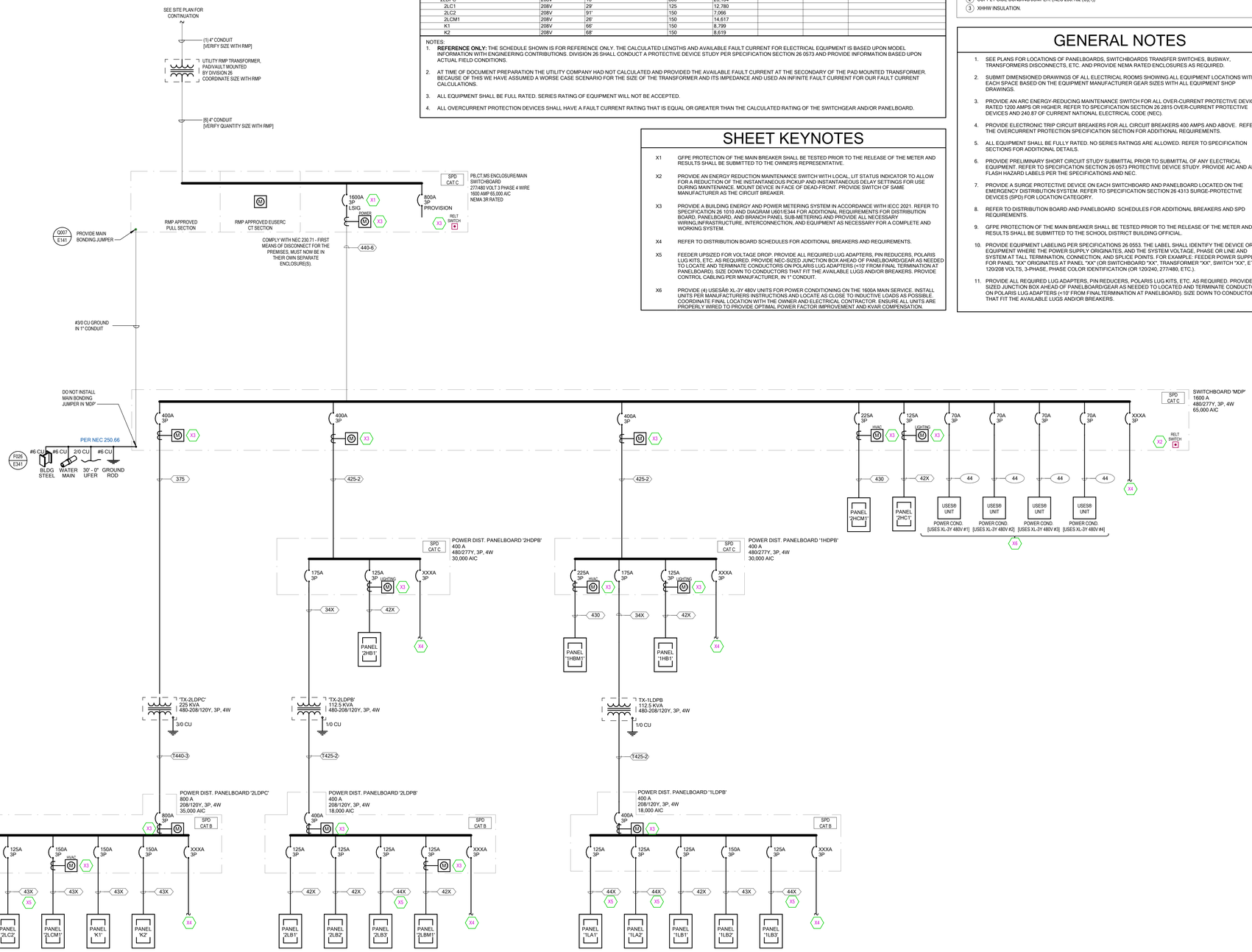
X2 PROVIDE AN ENERGY REDUCTION MAINTENANCE SWITCH WITH LOCAL, LIT STATUS INDICATOR TO ALLOW FOR A REDUCTION OF THE INSTANTANEOUS PICKUP AND INSTANTANEOUS DELAY SETTINGS FOR USE DURING MAINTENANCE. MOUNT DEVICE IN FACE OF DEAD-FRONT. PROVIDE SWITCH OF SAME MANUFACTURER AS THE CIRCUIT BREAKER.

X3 PROVIDE A BUILDING ENERGY AND POWER METERING SYSTEM IN ACCORDANCE WITH IECC 2021. REFER TO SPECIFICATION 26 1010 AND DIAGRAM U601/E344 FOR ADDITIONAL REQUIREMENTS FOR DISTRIBUTION BOARD, PANELBOARD, AND BRANCH PANEL SUB-METERING AND PROVIDE ALL NECESSARY WIRING,INFRASTRUCTURE, INTERCONNECTION, AND EQUIPMENT AS NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

X4 REFER TO DISTRIBUTION BOARD SCHEDULES FOR ADDITIONAL BREAKERS AND REQUIREMENTS.

X5 FEEDER UPSIZED FOR VOLTAGE DROP. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC-SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATE AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS. PROVIDE CONTROL CABLING PER MANUFACTURER, IN 1" CONDUIT.

X6 PROVIDE (4) USE/S&S XL-3Y 480V UNITS FOR POWER CONDITIONING ON THE 1600A MAIN SERVICE. INSTALL UNITS PER MANUFACTURERS INSTRUCTIONS AND LOCATE AS CLOSE TO INDUCTIVE LOADS AS POSSIBLE. COORDINATE FINAL LOCATION WITH THE OWNER AND ELECTRICAL CONTRACTOR. ENSURE ALL UNITS ARE PROPERLY WIRED TO PROVIDE OPTIMAL POWER FACTOR IMPROVEMENT AND KVAR COMPENSATION.



1 ONE-LINE DIAGRAM

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY					ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY △ 480-208/120 Y						
TRANS KVA	O.C. PROT.	TYPE COND.*	GEC (1)	MIN. Z%	O.C. PROT.	TYPE COND.*	COND. AMPS	SETS	CONDUCTOR (3) QUAN.	CONDUCTOR (3) SIZE	CONDUIT SIZE	BONDING JUMPER (2)
15	30	30	8 CU	3	60	T44-1	70	1	4	4 CU	1-1/2"	8 CU
30	50	36	8 CU	3	100	T41X-1	120	1	4	1/0	2"	8 CU
45	70	34	4 CU	3	175	T44X-1	180	1	4	4/0	2-1/2"	4 CU
75	125	32X	2 CU	3	225	T43S-1	250	1	4	350	3"	1/0 AL
112.5	175	34X	2 CU	4	400	T425-2	410	2	4	250	3"	1/0 AL
150	300	350	2/0 CU	4	600	T450-2	620	2	4	500	4"	4/0 AL
225	400	375	2/0 CU	4	800	T440-3	810	3	4	400	4"	4/0 AL
300	600	350-2	3/0 CU	5	1200	T450-4	1240	4	4	500	4"	250 AL
500	800	340-3	3/0 CU	5	1600	T440-6	1620	6	4	400	4"	300 AL
750	1200	350-4	3/0 CU	5	3000	T450-10	3100	10	4	500	4"	750 AL

* SEE SCHEDULE FOR CONDUIT AND WIRE SIZE

NOTES:
(1) GROUNDING ELECTRODE CONDUCTOR. (NEC 250.66)
(2) SUPPLY SIDE BONDING JUMPER. (NEC 250.102 (C)(1))
(3) XHHW INSULATION.

GENERAL NOTES

1. SEE PLANS FOR LOCATIONS OF PANELBOARDS, SWITCHBOARDS TRANSFER SWITCHES, BUSWAY, TRANSFORMERS DISCONNECTS, ETC. AND PROVIDE NEMA RATED ENCLOSURES AS REQUIRED.
2. SUBMIT DIMENSIONED DRAWINGS OF ALL ELECTRICAL ROOMS SHOWING ALL EQUIPMENT LOCATIONS WITHIN EACH SPACE BASED ON THE EQUIPMENT MANUFACTURER GEAR SIZES WITH ALL EQUIPMENT SHOP DRAWINGS.
3. PROVIDE AN ARC ENERGY-REDUCING MAINTENANCE SWITCH FOR ALL OVER-CURRENT PROTECTIVE DEVICES RATED 1200 AMPS OR HIGHER. REFER TO SPECIFICATION SECTION 26 2815 OVER-CURRENT PROTECTIVE DEVICES AND 240.87 OF CURRENT NATIONAL ELECTRICAL CODE (NEC).
4. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKERS FOR ALL CIRCUIT BREAKERS 400 AMPS AND ABOVE. REFER TO THE OVERCURRENT PROTECTION SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
5. ALL EQUIPMENT SHALL BE FULLY RATED. NO SERIES RATINGS ARE ALLOWED. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS.
6. PROVIDE PRELIMINARY SHORT CIRCUIT STUDY SUBMITTAL PRIOR TO SUBMITTAL OF ANY ELECTRICAL EQUIPMENT. REFER TO SPECIFICATION SECTION 26 0573 PROTECTIVE DEVICE STUDY. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
7. PROVIDE A SURGE PROTECTIVE DEVICE ON EACH SWITCHBOARD AND PANELBOARD LOCATED ON THE EMERGENCY DISTRIBUTION SYSTEM. REFER TO SPECIFICATION SECTION 26 4313 SURGE-PROTECTIVE DEVICES (SPD) FOR LOCATION CATEGORY.
8. REFER TO DISTRIBUTION BOARD AND PANELBOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
9. GFPE PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE SCHOOL DISTRICT BUILDING OFFICIAL.
10. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "YX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
11. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINALTERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSULATION	EQ. GND COND.(AL)
31X	120	2"	3	1/0	XHHW-2	4
41X	120	2"	4	1/0	XHHW-2	4
51X	96	2"	5*	1/0	XHHW-2	4
32X	135	2"	3	2/0	XHHW-2	4
42X	135	2"	4	2/0	XHHW-2	4
52X	108	2"	5*	2/0	XHHW-2	4
33X	155	2"	3	3/0	XHHW-2	4
43X	155	2"	4	3/0	XHHW-2	4
53X	124	3"	5*	3/0	XHHW-2	4
34X	180	2"	3	4/0	XHHW-2	4
44X	180	3"	4	4/0	XHHW-2	4
54X	144	3"	5*	4/0	XHHW-2	2
325	205	2"	3	250	XHHW-2	2
425	205	3"	4	250	XHHW-2	2
525	164	3"	5*	250	XHHW-2	2
330	230	3"	3	300	XHHW-2	2
430	230	3"	4	300	XHHW-2	2
530	184	3"	5*	300	XHHW-2	2
335	250	3"	3	350	XHHW-2	2
435	250	3"	4	350	XHHW-2	2
535	200	3"	5*	350	XHHW-2	2
340	270	3"	3	400	XHHW-2	2
440	270	3"	4	400	XHHW-2	2
540	216	3"	5*	400	XHHW-2	2
350	310	4"	3	500	XHHW-2	1
450	310	4"	4	500	XHHW-2	1
550	248	4"	5*	500	XHHW-2	1
375	385	4"	3	750	XHHW-2	1
475	385	4"	4	750	XHHW-2	1
575	308	4"	5*	750	XHHW-2	1

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS

TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.(AL)
325-2	400	410	2	3	250	2-1/2"	2/0
425-2	400	410	2	4	250	2-1/2"	2/0
535-2	400	400	2	5*	350	3"	2/0
350-2	600	620	2	3	500	3"	2/0
450-2	600	620	2	4	500	3"	2/0
535-3	600	600	3	5*	350	3"	2/0
340-3	800	810	3	3	400	2-1/2"	3/0
440-3	800	810	3	4	400	3"	3/0
535-4	800	800	4	5*	350	4"	3/0
375-3	1000	1155	3	3	750	4"	4/0
475-3	1000	1155	3	4	750	4"	4/0
535-5	1000	1000	5	5*	350	4"	4/0
350-4	1200	1240	4	3	500	4"	250
450-4	1200	1240	4	4	500	4"	250
550-5	1200	1240	5	5*	500	4"	250
340-6	1600	1620	6	3	400	4"	350
440-6	1600	1620	6	4	400	4"	350
550-7	1600	1736	7	5*	500	4"	350
475-6	2000	2310	6	4	750	4"	400
475-7	2500	2695	7	4	750	5"	600
475-8	3000	3080	8	4	750	5"	600
475-11	4000	4235	11	4	750	5"	750

NOTES:
IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

* 200% NEUTRAL, DERATED TO 80% BASED ON NEC 310.15.B(5)(C)

** COPPER CONDUCTOR (XHHW)

PROVIDE COMPACT STRANDED ALUMINUM ASSOCIATION 8000 SERIES ALLOY CONDUCTORS.

PROVIDE TERMINATION FOR ALUMINUM ALLOY CONDUCTORS OF HYDRAULIC COMPRESSION TYPE ONLY, LISTED UNDER UL 486-B, MARKED "AL7CU" FOR 75 DEGREE RATED CIRCUITS.

PROVIDE ALL ELECTRICAL EQUIPMENT WITH PROPER SIZING TO ACCOMMODATE ALUMINUM CONDUCTORS. COORDINATE WITH EQUIPMENT SUPPLIER.

COPPER CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSULATION	EQ. GND. COND.(CU)
20	30	3/4"	2	10	THHN THWN	10
30	30	3/4"	3	10	THHN THWN	10
40	30	3/4"	4	10	THHN THWN	10
28	40	1"	2	8	THHN THWN	10
38	40	1"	3	8	THHN THWN	10
48	40	1"	4	8	THHN THWN	10
26	55	1"	2	6	THHN THWN	8
36	55	1"	3	6	THHN THWN	8
46	55	1"	4	6	THHN THWN	8
24	70	1"	2	4	THHN THWN	8
34	70	1-1/4"	3	4	THHN THWN	8
44	70	1-1/4"	4	4	THHN THWN	8
23	85	1-1/4"	2	3	THHN THWN	8
33	85	1-1/4"	3	3	THHN THWN	8
43	85	1-1/2"	4	3	THHN THWN	8
32	95	1-1/2"	3	2	THHN THWN	6
42	95	1-1/2"	4	2	THHN THWN	6

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ONE-LINE DIAGRAM

E380

GENERAL SYSTEM SHEET NOTES

FIRE ALARM SYSTEM:

•PROVIDE A VOICE/EVAC FIRE ALARM SYSTEM PER SPECIFICATIONS AND CCSD REQUIREMENTS. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. A LICENSED FIRE ALARM ENGINEER MUST PROVIDE AND STAMP ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATIONS, AND NATIONAL & LOCAL CODE COMPLIANCE IN THE FIRE ALARM CONTRACTOR'S BID. DEVICES SHOWN ON THESE DRAWINGS NOT FINAL DESIGN DOCUMENTS.
•PROVIDE RED CONDUIT AND BOXES FOR ALL FIRE ALARM RACEWAY AND INFRASTRUCTURE.
•PROVIDE #14 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.
•ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. COORDINATE CONDUIT AND BACK BOX INSTALLATION IN VARIOUS WALL TYPES.
•COORDINATE FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCH QUANTITIES/LOCATIONS WITH FIRE SPRINKLER DRAWINGS AND CONNECT THEM TO THE FIRE ALARM SYSTEM.
•COORDINATE DUCT SMOKE DETECTOR LOCATIONS/QUANTITIES WITH THE MECHANICAL CONTRACTOR. HARDWIRE TO RELAY STARTER. PROVIDE TWO DUCT-TYPE SMOKE DETECTORS FOR EACH FCU, AHU, SUPPLY FAN, AND HEAT PUMP OF 2000 CFM OR GREATER. DUCT DETECTORS SHALL BE WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER.
•PROVIDE FIRE ALARM ACCESS CONTROL INTERFACE TO UNLOCK INDICATED LOCKS UPON FIRE ALARM INITIATION.
•ALL VISUAL DEVICES SHALL BE SYNCHRONIZED WITHIN THE BUILDING.
•REFER TO THE ARCHITECTURAL DOOR SCHEDULE FOR MAGNETIC DOOR HOLDER AND BLOW-OPEN DOOR REQUIREMENTS.
•PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
•DEVICES INDICATED ON THE FIRE ALARM ONE-LINE ARE FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS AND SPECIFICATIONS FOR QUANTITIES.
•PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS/JUNCTION BOXES (J-BOXES). PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. REFER TO DIAGRAM D012.

ACCESS CONTROL:

•ACCESS CONTROL SYSTEM CABLING SHALL RUN BACK TO CENTRALLY LOCATED HEAD-END/SLAVE PANELS AND POWER SUPPLIES IN MDF/IDF ROOMS. ALTERNATE CONFIGURATIONS REQUIRE WRITTEN APPROVAL AND REVISED DRAWINGS. EACH ACCESS CONTROL PANEL SHALL HAVE A 4X8' FIRE-RATED PLYWOOD BACKER AND SUFFICIENT CONTROLLER BOARDS.
•THE ACCESS CONTROL SYSTEM SHALL INCLUDE NECESSARY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, OR I/O MODULES. REQUEST TO EXIT, DOOR CONTACT, AND INDICATOR CIRCUITS SHALL BE SUPERVISED FOR FAULTS.
•COORDINATE CREDENTIAL CARD READER AND ADA CONTROL STATION LOCATIONS WITH ARCHITECTURAL & SYSTEM DRAWINGS. PROVIDE ALL REQUIRED CREDENTIAL CARD READER LOCATIONS.
•COORDINATE ALL DOOR HARDWARE WITH DIVISION 8 (LOCK TYPES, POWER SUPPLIES, ETC.). REVIEW THE DOOR HARDWARE SUBMITTAL AND SUMMARIZE DISCREPANCIES.
•PROVIDE RACEWAY, CONDUIT, AND WIRING FOR INDICATED SECURITY DEVICES. PROVIDE CONCEALED 3/4" CONDUIT AND REQUIRED CABLING. COORDINATE JUNCTION BOX ROUGH-IN LOCATIONS WITH THE OWNER AND ACCESS SYSTEM SUPPLIER.
•CABLING TO DEVICES IN DOORS/MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE WITH THE WINDOW SYSTEM INSTALLER.
•ELECTRONIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, CRASH BARS, ETC.) IS BY DIVISION 8. VERIFY LOCK VOLTAGES AND FUNCTIONALITY. POWER SUPPLIES FOR THESE DEVICES ARE BY DIVISION 28. COORDINATE POWER REQUIREMENTS WITH DIVISION 8.
•PROVIDE ONE 4 SQ. J-BOX WITH COVER ON THE PROTECTED SIDE OF THE DOORWAY IN AN ACCESSIBLE CEILING SPACE (OR OTHER ACCESSIBLE LOCATION) AND A HANDY BOX IN THE DOOR JAMB (MOUNTED BEFORE GROUTING). DRILL A 1/8" PILOT HOLE FOR DEVICE MOUNTING.
•ALL EXTERIOR DOORS, ROOF HATCHES/ACCESS DOORS, MDF/IDF ROOMS, RISER ROOMS, AND DOORS WITH CREDENTIAL CARD READERS REQUIRE AD DOOR POSITION SWITCH/CONTACT TERMINATING TO THE ACCESS CONTROL SYSTEM.

IP VIDEO SURVEILLANCE SYSTEM:

•THE NVR, VMS, POE SWITCHES, AND SERVERS WILL BE OWNER-FURNISHED AND OWNER-INSTALLED.
•ALL OF THE IP SURVEILLANCE CAMERAS AND MOUNTING HARDWARE / EQUIPMENT WILL BE CONTRACTOR-FURNISHED AND CONTRACTOR INSTALLED.
•ALL SECURITY CAMERAS SHALL HAVE ONE CAT6A ORANGE CABLE INSTALLED WITH A 10'-0" SERVICE LOOP AT EACH CAMERA LOCATION AND BACK TO THE MDF/IDF ROOMS.
•ALL PENETRATIONS OF FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
•PRIOR TO STARTING ANY WORK CONTRACTORS SHALL VERIFY ALL IP SURVEILLANCE CAMERA ROUGH-IN REQUIREMENTS, THE CAMERA EXTERIOR HOUSING COLOR, THE MOUNTING LOCATIONS, MOUNTING HEIGHTS, ORIENTATION, AND FIELD OF VIEW(S) FOR EACH IP SURVEILLANCE CAMERA.

GENERAL:

•CONTRACTORS SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
•REFER TO SPECIFICATIONS FOR SYSTEM INTEGRATIONS (VIDEO MANAGEMENT, ACCESS CONTROL, FIRE ALARM).
•ALL CABLING TO DEVICES ON DOOR FRAMES OR MULLIONS SHALL BE ROUTED THROUGH THEM. COORDINATE WITH THE DOOR/WINDOW CONTRACTOR.
•REFER TO SPECIFICATIONS FOR INTEGRATION & TIE-IN REQUIREMENTS BETWEEN SYSTEMS.
•SECURITY INTEGRATOR SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•CONTRACTORS SHALL PROVIDE SEPARATE COMPUTER-DRAFTED SHOP DRAWINGS FOR THE ENTIRE FIRE ALARM, ACCESS CONTROL, AND VIDEO SURVEILLANCE SYSTEMS, INCLUDING ALL REQUIRED INFORMATION. TYPICAL RISERS AND COPYING THE CONTRACT DOCUMENTS ARE NOT ACCEPTABLE.

REFER TO SHEET E330 - ROOF ELECTRICAL PLAN FOR ADDITIONAL FIRE ALARM DEVCIES

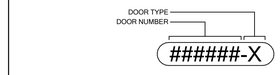
ACCESS CONTROL TYPE SCHEDULE

LEGEND:

CR = ACCESS CONTROL CREDENTIAL CARD READER
KCR = ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD
DC = ACCESS CONTROL DOOR CONTACT
BR = ACCESS CONTROL BIOMETRIC READER
ICR = INTEGRATED LOCKSET WITH CREDENTIAL CARD READER
DP = INTRUSION DETECTION DOOR CONTACT

TYPE	DOOR DESCRIPTION	CREDENTIAL				DOOR CONTACT		NOTES
		CR	BR	KCR	ICR	DC	DP	
A	SINGLE DOOR	1	0	0	0	1	0	REFER TO THE SECURITY GENERAL NOTES
B	DOUBLE DOOR	1	0	0	0	2	0	REFER TO THE SECURITY GENERAL NOTES
C	DOUBLE DOOR	0	0	0	0	2	0	REFER TO THE SECURITY GENERAL NOTES
D	SINGLE DOOR	0	0	0	0	1	0	REFER TO THE SECURITY GENERAL NOTES
E	ELEVATOR	1	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES
G	GARAGE DOOR	0	0	0	0	1	0	REFER TO THE SECURITY GENERAL NOTES
R	ROOF HATCH	0	0	0	0	1	0	REFER TO THE SECURITY GENERAL NOTES

ACCESS CONTROL TAG LEGEND

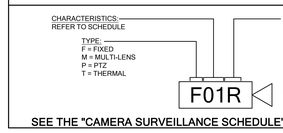


SEE THE "ACCESS CONTROL TYPE SCHEDULE" FOR DOOR TYPES

CAMERA SURVEILLANCE TYPE SCHEDULE

TYPE	DESCRIPTION	MANFR.	CAT NO.	NOTES
F01C	INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CEILING MOUNTED	AXIS	M4218-LV	REFER TO THE SECURITY GENERAL NOTES
F01W	INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - WALL MOUNTED	AXIS	M4218-LV	REFER TO THE SECURITY GENERAL NOTES
F02C	OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CEILING MOUNTED	AXIS	P3267-LVE	REFER TO THE SECURITY GENERAL NOTES
F02W	OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - WALL MOUNTED	AXIS	P3267-LVE	REFER TO THE SECURITY GENERAL NOTES
M01C	MULTIDIRECTIONAL(4) INDOOR/OUTDOOR DAY/NIGHT DOME CAMERA - CEILING MOUNTED	AXIS	P3735-PLE	REFER TO THE SECURITY GENERAL NOTES
M01W	MULTIDIRECTIONAL(4) INDOOR/OUTDOOR DAY/NIGHT DOME CAMERA - WALL MOUNTED	AXIS	P3735-PLE	REFER TO THE SECURITY GENERAL NOTES
M02C	MULTIDIRECTIONAL(2) INDOOR/OUTDOOR DAY/NIGHT DOME CAMERA - CEILING MOUNTED	AXIS	P4705-PLVE	REFER TO THE SECURITY GENERAL NOTES
P01W	PAN-TILT-ZOOM (PTZ) OUTDOOR DAY/NIGHT IP CAMERA -WALL MOUNTED	AXIS	Q6100-E & Q6318-LE	REFER TO THE SECURITY GENERAL NOTES

CAMERA SURVEILLANCE TAG LEGEND



SEE THE "CAMERA SURVEILLANCE SCHEDULE" FOR CAMERA TYPES

LOW VOLTAGE SCOPE OF WORK

NOTES:...

1. RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE...
2. ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.
3. INSTALLER PROVIDING THE SYSTEM CABLING SHALL PROVIDE THE CABLING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.
4. INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.
5. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LEGEND

AC	ACCESS CONTROL CONTRACTOR
AV	AUDIOVISUAL CONTRACTOR
DC	DOOR HARDWARE CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FR	FURNITURE CONTRACTOR
GC	GENERAL CONTRACTOR
IC	INTRUSTION DETECTION CONTRACTOR
LVC	LOW VOLTAGE CONTRACTOR
NIC	DATA CABLING CONTRACTOR
OWNER	NOT IN CONTRACT
SC	OWNER
SPEC	VIDEO SURVEILLANCE CONTRACTOR SEE SPECIFICATIONS

DESCRIPTION	FURNISHED BY	INSTALLED BY
GENERAL		
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT	GC	GC
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)	EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.	EC	EC
TEST	TS	TS
AUDIOVISUAL BOXES/DEVICES		
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)	AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	AV	AV
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES	AV	AV
FURNITURE BOX TABLE CUTTING	GC	GC
CONDUIT/WIRE		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL	LVC	LVC
COAXIAL CABLE	LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINATED IN PATCH PANELS WITHIN THE ER/MDF/TR/IDF)	AV	AV
EQUIPMENT		
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	AV	AV
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER	EC	EC
NETWORK SWITCHES WITHIN THE ER/MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO	OWNER	OWNER
PROJECTOR/MONITORS		
VIDEO PROJECTOR	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING	AV	AV
FLAT PANEL MONITOR MOUNTS	AV	AV
FLAT PANEL MONITORS	OWNER	AV
VIDEO PROJECTOR MOUNTS	AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)	GC	GC
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER	AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS	OWNER	AV
ACCESS CONTROL SYSTEM CONDUIT & WIRING		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC.	EC	EC
CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
TERMINATING AND TESTING THE CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
ACCESS CONTROL CABLING	AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLING	AC	AC
ACCESS CONTROL SYSTEM EQUIPMENT		
ACCESS CONTROL SERVER	OWNER	OWNER
ACCESS CONTROL OPERATING SOFTWARE	AC	AC
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)	AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)	AC	AC
RECHARGABLE BACK-UP BATTERIES	AC	AC
ACCESS CONTROL END DEVICES (E.G., CREDENTIAL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DURESS/ PANIC BUTTONS, SCHOOL LOCKDOWN CREDENTIAL CARD READER OR BUTTON, ETC.)	AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE EQUIPMENT (E.G., ELECTRIC STRIKES, ELECTRIFIED LOCKSETS, ELECTRIFIED EXIT RIM DEVICE (CRASH BARS), ELECTROMAGNETIC LOCKS, ELECTRIC POWER TRANSFER/ELECTRIC HINDGE, ETC.)	DC	DC
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE EQUIPMENT	AC	AC
CREDENTIALS (E.G. CARDS, FOBS, TAGS, MOBILE CREDENTIALS)	AC	AC
BADGE PRINTER FOR CREDENTIAL CARDS.	AC	AC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (E.G., EXTERIOR DOOR STATIONS, ANSWERING BASE STATIONS, SDXC MEMORY CARDS, IP LICENSES, ETC).	AC	AC
EXTERIOR PEDESTALS AND ENCLOSURES	NIC	NIC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G., NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	OWNER	OWNER
UNINTERRUPTIBLE POWER SUPPLY (UPS) WITH POWER SURGE & SUPPRESSION EQUIPMENT FOR THE ACCESS CONTROL SYSTEM EQUIPMENT, THE ELECTRIFIED DOOR HARDWARE EQUIPMENT, AND THE IP VIDEO SURVEILLANCE EQUIPMENT.	AC	AC
(UPS) UNINTERRUPTIBLE POWER SUPPLY, SURGE PROTECTORS, POWER SURGE & SUPPRESSION EQUIPMENT.	NIC	NIC
IP VIDEO SURVEILLANCE SYSTEM CONDUIT & WIRING		
ROUGH-IN: CONDUIT WITH PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC.	EC	EC
CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
TERMINATING AND TESTING THE CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
IP VIDEO SURVEILLANCE SYSTEM EQUIPMENT		
(NVR) NETWORK VIDEO RECORDER SERVER	OWNER	OWNER
(VMS) VIDEO MANAGEMENT SYSTEM OPERATING SOFTWARE	OWNER	OWNER
VIDEO ANALYTIC SOFTWARE AND LICENSING	OWNER	OWNER
IP SURVEILLANCE CAMERA SOFTWARE LICENSES	OWNER	OWNER
IP SURVEILLANCE CAMERAS	SC	SC
IP SURVEILLANCE CAMERA MOUNTS AND MOUNTING HARDWARE EQUIPMENT	SC	SC
AUDIO MICROPHONE FOR IP SURVEILLANCE CAMERA	SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS	SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, MEDIA CONVERTERS, POE INJECTORS, POWER SUPPLIES	SC	SC
IN-LINE CATEGORY CABLE SURGE PROTECTORS	SC	SC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (E.G., COMPUTER SERVERS, MONITORS, KEYBOARDS, MOUSE, SPEAKERS, ETC.)	OWNER	OWNER
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, ETC.)	OWNER	OWNER
TELEPHONE / DATA BOXES/DEVICES		
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	EC	EC
CONDUIT/WIRE		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE	LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING	LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TR/ER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES	LVC	LVC
EQUIPMENT		
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	LVC	LVC
WIRELESS ACCESS POINTS	OWNER	OWNER
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)	LVC	LVC
DATA SWITCHES, SERVERS, FIREWALL, ETC	OWNER	OWNER

SECURITY GENERAL NOTES

1. ACCESS CONTOL SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV.28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER(S), THE DIV.8 DOOR HARDWARE CONTRACTOR, AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW AND DISCUSS:
A. THE DIV.8 DOOR HARDWARE SPECIFICATIONS AND DOOR ROUGH-IN REQUIREMENTS.
B. WHAT ELECTRIFIED DOOR HARDWARE IS GETTING INSTALLED ON EACH DOOR.
C. THE SPECIFIED ACCESS CONTROL CABLING, AND IT'S OUTER JACKETING COLOR.
D. THE SPECIFIED RACEWAY TO BE INSTALLED.
E. THE FAIL-SAFE OR FAIL-SECURE OPERATION FOR THE ELECTRIFIED DOOR HARDWARE EQUIPMENT.
F. HOW THE ADA EQUIPMENT WILL NEED TO FUNCTION AND OPERATE WITH THE ACCESS CONTROL SYSTEM.
G. THE POWER REQUIREMENTS FOR ALL OF THE ELECTRIFIED HARDWARE EQUIPMENT.
H. HOW EACH DOOR THAT HAS ELECTRIFIED DOOR HARDWARE WILL NEED TO BE PROGRAMMED TO FUNCTION DURING BUSINESS HOURS, AFTER HOURS, SCHEDULED TIMES, LOCKDOWNS, EMERGENCY SITUATIONS, FIRE ALARMS, ETC.
I. THE FIRE ALARM INTERFACE WITH THE ACCESS CONTROL SYSTEM, AND THE EQUIPMENT THAT IS NEEDED.
J. WHICH WALLS IN THE DESIGNATED MDF/IDF ARE TO BE UTILIZED TO INSTALL THE ACCESS CONTROL HEAD-END PANEL(S) AND THE ELECTRIFIED DOOR HARDWARE POWER SUPPLIES.
K. CONFIRM WHICH EMERGENCY ELECTRICAL POWER CIRCUIT THE ACCESS CONTROL HEAD-END PANELS AND ELECTRIFIED DOOR HARDWARE POWER SUPPLIES WILL BE CIRCUITED TO.
L. THE DIV.28 CONTRACTOR WILL BE PROVIDING AND INSTALLING THE DOOR POSITION CONTACTS FOR THE ACCESS CONTROL SYSTEM.

2. (IP VIDEO SURVEILLANCE SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV.28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER(S) AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW & DISCUSS:
A. THE ROUGH-IN REQUIREMENTS FOR EACH IP SURVEILLANCE CAMERA.
B. EACH IP SURVEILLANCE CAMERA MOUNTING LOCATION, HEIGHTS, ORIENTATION, AND VIEW(S).
C. THE SPECIFIED CATEGORY CABLING, AND IT'S OUTER JACKETING COLOR.
D. THE SPECIFIED RACEWAY TO BE INSTALLED.
E. WHICH MDF/IDF ROOM AND TELECOMMUNICATIONS EQUIPMENT RACK WILL THE CAT6A CATEGORY CABLING AND THE VIDEO SURVEILLANCE EQUIPMENT NEED TO BE INSTALLED INTO.
F. ALL OF THE CORRECT AND NECESSARY HARDWARE AND MOUNTING EQUIPMENT FOR EACH IP SURVEILLANCE CAMERA AND VIDEO SURVEILLANCE EQUIPMENT.

3. PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS IN ORDER TO PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL AND IP VIDEO SURVEILLANCE SYSTEMS.

4. THE DIV.28 CONTRACTOR(S) SHALL CAREFULLY REVIEW THE REFLECTED CEILING PLANS, MILLWORK PLANS, AND ARCHITECTURAL ELEVATIONS FOR COMPONENT INSTALLATION.

5. THE DIV.28 ACCESS CONTROL CONTRACTOR SHALL CAREFULLY REVIEW THE DIV.8 DOOR HARDWARE SPECIFICATION AND SUBMITTALS AND SUMMARIZE ANY DISCREPANCIES IN WRITTING TO THE TEAM.

6. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTORS RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID.

7. PROVIDE FIRE ALARM INTERFACE TO UNLOCK ALL INDICATED LOCKS UPON ANY FIRE ALARM INITIATION.

8. THE SECURITY CONTRACTORS SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO STARTING ANY WORK OR TO ENSURE A COMPLETE RACEWAY INSTALLATION IS PROVIDED AND CORRECTLY INSTALLED.

9. ALL CABLING TO END DEVICES THAT ARE INSTALLED WITHIN THE DOOR OR ON A DOOR FRAME MULLION SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE INSTALLATION WITH THE DOOR/WINDOW SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A BACK BOX.

10. THE ACCESS CONTROL SYSTEM SHALL INCLUDE ANY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, AND INPUT/OUTPUT MODULES REQUIRED TO SUPPORT THE SPECIFIED DOOR TYPES, ENSURING A COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL SYSTEM.

11. ALL FINAL CAMERA VIEWS MUST BE APPROVED BY THE OWNER BEFORE THE PROJECT'S COMPLETION.

12. ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIALS TO MAINTAIN THE FIRE RATING OF THE PENETRATED SURFACE.

13. COORDINATE WITH THE OWNER AND REFERENCE EACH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND THE CODE REQUIREMENTS FOR THE SETUP, PROGRAMMING, AND THE INTEGRATION BETWEEN THE VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEM, FIRE ALARM SYSTEM, ADA EQUIPMENT, ETC.

14. THE DIV.28 VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE AN INTERACTIVE MAP IN THE VIDEO SURVEILLANCE SYSTEM OPERATING/MANAGEMENT SOFTWARE WITH CAMERAS AND ACCESS CONTROL DEVICES.

15. THE INSTALLATION CONTRACTORS SHALL PROMPTLY NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK IF ANY OF THE SECURITY DEVICE LOCATIONS THAT ARE SHOWN IN THE SECURITY DRAWINGS SHEET ARE OBSTRUCTED.

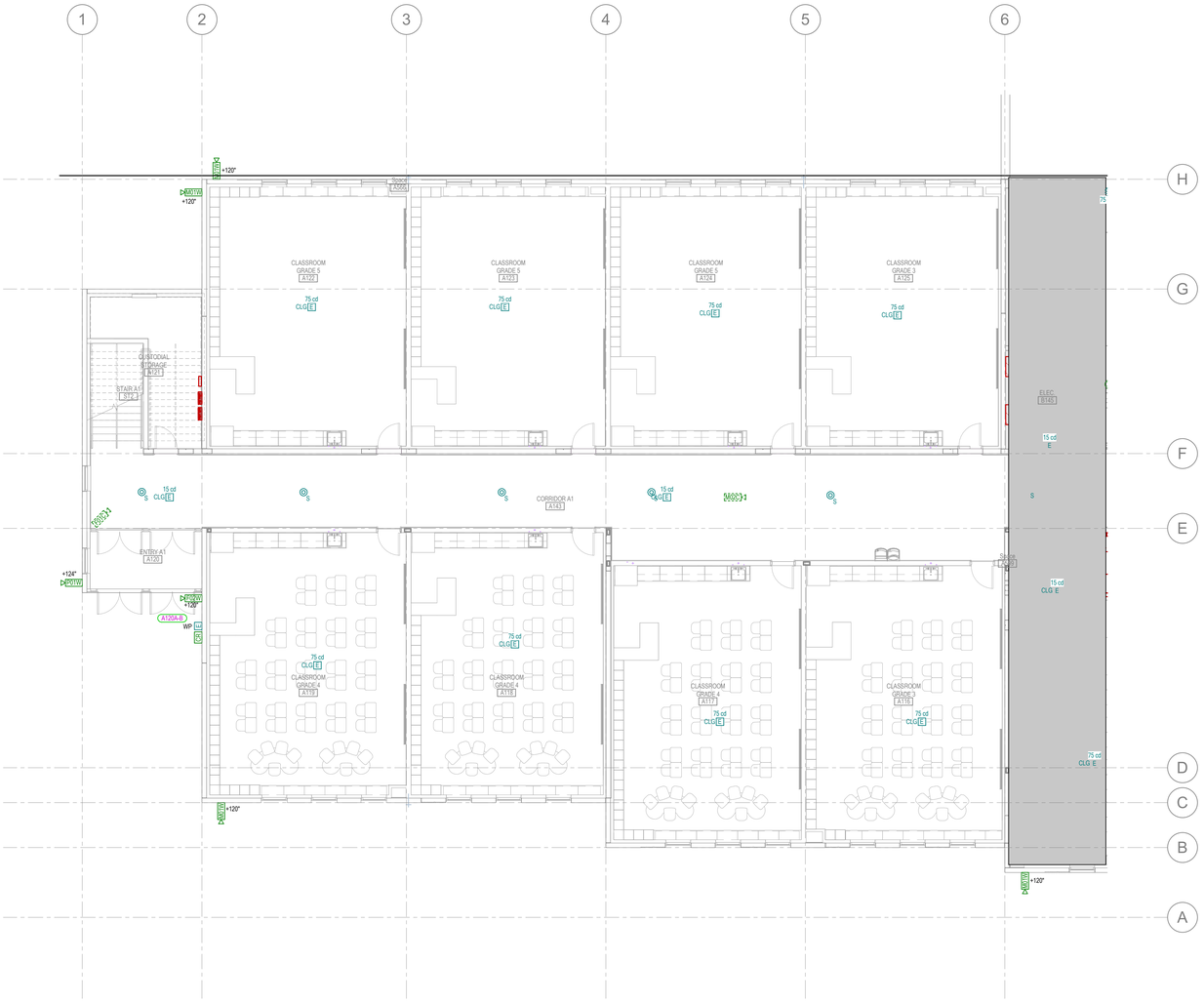
16. EQUIPMENT LISTS ARE PROVIDED TO SET EQUIPMENT EXPECTATIONS AND MAY NOT BE COMPLETE. COORDINATE WITH DEVICES SHOWN ON DRAWINGS, SYSTEM RISERS, SPECIFICATIONS, AND EQUIPMENT LIST FOR SYSTEM INTENT. PROVIDE COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS.

17. INSTALL AND PROGRAM THE ACCESS CONTROL SYSTEM AND THE IP VIDEO SURVEILLANCE SYSTEM TO THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, TO INDUSTRIES STANDARDS, AND TO THE OWNER'S REQUIREMENTS.

18. ALL SECURITY COMPONENTS MUST BE NEW, IN OEM FACTORY-SEALED CONTAINERS, WITH NO REWORKED OR REFURBISHED ITEMS.

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MAX	MAXIMUM
ACS	ACCESS CONTROL SYSTEM	MH	MANHOLE
AD	ACTIVE DIRECTORY	MIN	MINIMUM
A.F.F.	ABOVE FINISH FLOOR	MTG	MOUNTING
AM	AMPS METER	MP	MEGAPIXEL
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NAS	NETWORK ATTACHED STORAGE
AoV	ANGLE OF VIEW	NC	NORMALLY CLOSED
AUX	AUXILIARY	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
BC	BARE COPPER	NFC	NATIONAL FIRE CODE
BFG	BELOW FINISH GRADE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
C	CONDUIT	N.I.C.	NOT IN CONTRACT
CAB	CABINET	NO	NORMALLY OPENED
CAT	CATEGORY	NTS	NOT TO SCALE
CATB	COMMUNITY ANTENNA TELEVISION	NVR	NETWORK VIDEO RECORDER
CATV	CABLE TELEVISION	ONVIF	OPEN NETWORK VIDEO INTERFACE
CLG	CEILING	OSDP	OPEN SUPERVISED DEVICE PROTOCOL
CNTR	CONTRACTOR	PB	PUSHBUTTON
C.O.	CONDUIT ONLY	PNL	PANEL
CRT	COMPUTER TERMINAL	POE	POWER OVER ETHERNET
CSA	CLIENT SOFTWARE APPLICATION	PT	POTENTIAL TRANSFORMER
CU	COPPER	PTP	POINT TO POINT
C/W	COMPLETE WITH	PTZ	PAN TILT ZOOM
DB	DECIBEL	PVC	POLYVINYL CHLORIDE CONDUIT
VDC	DIRECT CURRENT	QoS	QUALITY OF SERVICE
DWG	DRAWING	(R)	RELOCATE
(E)	EXISTING	RAID	REDUNDANT ARRAY INEXPENSIVE DISKS
EC	EMPTY CONDUIT	RECEP	RECEPTACLE
EG	EMERGENCY GENERATOR	REQ	REQUIREMENT
EMT	ELECTRICAL METALLIC TUBING	RFID	RADIO FREQUENCY IDENTIFICATION
EOL	END OF LIFE	RLA	RATED LOAD AMPS
EX	EXPLOSION PROOF	RMS	ROOT MEAN SQUARE
FACP	FIRE ALARM CONTROL PANEL	SAAS	SOFTWARE AS A SERVICE
FPS	FRAMES PER SECOND	SDK	SOFTWARE DEVELOPMENT KIT
FOV	FIELD OF VIEW	SE	SERVICE ENTRANCE
FT	FOOT	SMS	SHORT MESSAGE SERVICE
GB	GIGABYTE	SPEC	SPECIFICATIONS
GND	GROUND	SS	SELECTOR SWITCH
GRC	GALVANIZED RIGID CONDUIT	SW	SWITCH
GUI	GRAPHICAL USER INTERFACE	TB	TERABYTE
HD	HIGH DEFINITION	TTB	TELEPHONE TERMINAL BOARD
HDD	HARD DISK DRIVE	TTC	TELEPHONE TERMINAL CABINET
HDMI	HIGH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CLASSROOM GRADE 5 A132
CLASSROOM GRADE 5 A133
CLASSROOM GRADE 5 A134
CLASSROOM GRADE 3 A135
CUSTODIAL STORAGE A131
STAIR A1 S12
CORRIDOR A1 A153
ENTRY A1 A120
CLASSROOM GRADE 4 A117
CLASSROOM GRADE 4 A116
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CLASSROOM GRADE 3 A119
ELEC. S155
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15 cd CLG E
+120"
+124"
WP
A120A-B
P2010
P2020
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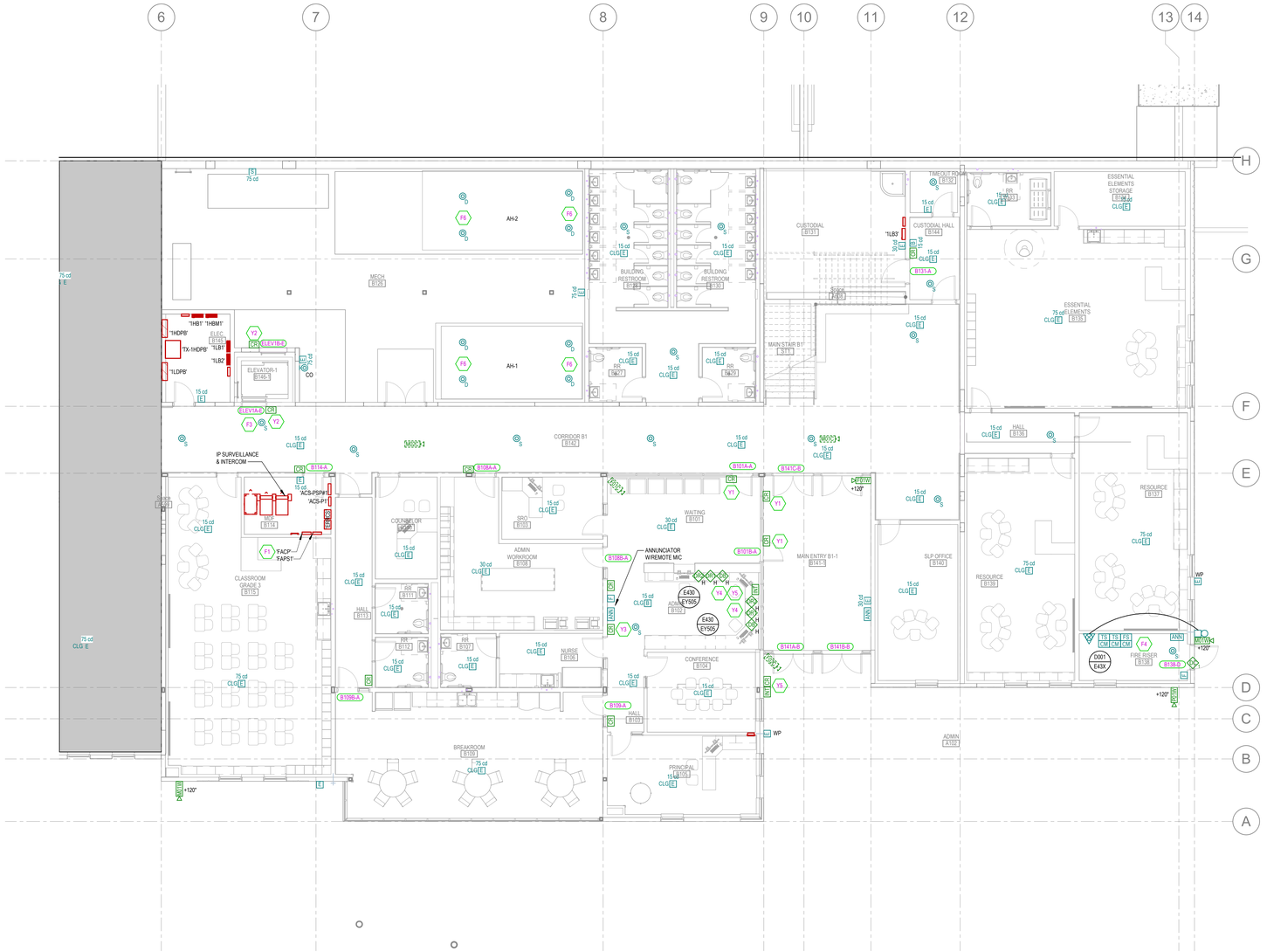


MAIN LEVEL SYSTEMS PLAN - AREA B
SCALE = 1/8" = 1'-0"

GENERAL SYSTEM SHEET NOTES

FIRE ALARM SYSTEM:

•PROVIDE A VOICE/EVAC FIRE ALARM SYSTEM PER SPECIFICATIONS AND CCSD REQUIREMENTS. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. A LICENSED FIRE ALARM ENGINEER MUST PROVIDE AND STAMP ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATIONS, AND NATIONAL & LOCAL CODE COMPLIANCE IN THE FIRE ALARM CONTRACTOR'S BID. DEVICES SHOWN ON THESE DRAWINGS ARE NOT FINAL DESIGN DOCUMENTS.
•PROVIDE RED CONDUIT AND BOXES FOR ALL FIRE ALARM RACEWAY AND INFRASTRUCTURE.
•PROVIDE #14 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.
•ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. COORDINATE CONDUIT AND BACK BOX INSTALLATION IN VARIOUS WALL TYPES.
•COORDINATE FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCH QUANTITIES/LOCATIONS WITH FIRE SPRINKLER DRAWINGS AND CONNECT THEM TO THE FIRE ALARM SYSTEM.
•COORDINATE DUCT SMOKE DETECTOR LOCATIONS/QUANTITIES WITH THE MECHANICAL CONTRACTOR. HARDWIRE TO RELAY STARTER. PROVIDE TWO DUCT-TYPE SMOKE DETECTORS FOR EACH FCU, AHU, SUPPLY FAN, AND HEAT PUMP OF 2000 CFM OR GREATER. DUCT DETECTORS SHALL BE WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER.
•PROVIDE FIRE ALARM AND ACCESS CONTROL INTERFACE TO UNLOCK INDICATED LOCKS UPON FIRE ALARM INITIATION.
•ALL VISUAL DEVICES SHALL BE SYNCHRONIZED WITHIN THE BUILDING.
•REFER TO THE ARCHITECTURAL DOOR SCHEDULE FOR MAGNETIC DOOR HOLDER AND BLOW-OPEN DOOR REQUIREMENTS.
•PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
•DEVICES INDICATED ON THE FIRE ALARM ONE-LINE ARE FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS AND SPECIFICATIONS FOR QUANTITIES.
•PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS/JUNCTION BOXES (J-BOXES). PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. REFER TO DIAGRAM D012.

ACCESS CONTROL:

•ACCESS CONTROL SYSTEM CABLING SHALL RUN BACK TO CENTRALLY LOCATED HEAD-END/SLAVE PANELS AND POWER SUPPLIES IN MDF/IDF ROOMS. ALTERNATE CONFIGURATIONS REQUIRE WRITTEN APPROVAL AND REVISED DRAWINGS. EACH ACCESS CONTROL PANEL SHALL HAVE A 4X8' FIRE-RATED PLYWOOD BACKER AND SUFFICIENT CONTROLLER BOARDS.
•THE ACCESS CONTROL SYSTEM SHALL INCLUDE NECESSARY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, OR I/O MODULES. REQUEST TO EXIT, DOOR CONTACT, AND INDICATOR CIRCUITS SHALL BE SUPERVISED FOR FAULTS.
•COORDINATE CREDENTIAL CARD READER AND ADA CONTROL STATION LOCATIONS WITH ARCHITECTURAL & SYSTEM DRAWINGS. PROVIDE ALL REQUIRED CREDENTIAL CARD READER LOCATIONS.
•COORDINATE ALL DOOR HARDWARE WITH DIVISION 8 (LOCK TYPES, POWER SUPPLIES, ETC.). REVIEW THE DOOR HARDWARE SUBMITTAL AND SUMMARIZE DISCREPANCIES.
•PROVIDE RACEWAY, CONDUIT, AND WIRING FOR INDICATED SECURITY DEVICES. PROVIDE CONCEALED 3/4" CONDUIT AND REQUIRED CABLING. COORDINATE JUNCTION BOX ROUGH-IN LOCATIONS WITH THE OWNER AND ACCESS SYSTEM SUPPLIER.
•CABLING TO DEVICES IN DOORS/MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE WITH THE WINDOW SYSTEM INSTALLER.
•ELECTRONIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, CRASH BARS, ETC.) IS BY DIVISION 8. VERIFY LOCK VOLTAGES AND FUNCTIONALITY. POWER SUPPLIES FOR THESE DEVICES ARE BY DIVISION 28. COORDINATE POWER REQUIREMENTS WITH DIVISION 8.
•PROVIDE ONE 4 SQ. J-BOX WITH COVER ON THE PROTECTED SIDE OF THE DOORWAY IN AN ACCESSIBLE CEILING SPACE (OR OTHER ACCESSIBLE LOCATION) AND A HANDY BOX IN THE DOOR JAMB (MOUNTED BEFORE GROUTING). DRILL A 1/8" PILOT HOLE FOR DEVICE MOUNTING.
•ALL EXTERIOR DOORS, ROOF HATCHES/ACCESS DOORS, MDF/IDF ROOMS, RISER ROOMS, AND DOORS WITH CREDENTIAL CARD READERS REQUIRE AD DOOR POSITION SWITCH/CONTACT TERMINATING TO THE ACCESS CONTROL SYSTEM.

IP VIDEO SURVEILLANCE SYSTEM:

•THE NVR, VMS, POE SWITCHES, AND SERVERS WILL BE OWNER-FURNISHED AND OWNER-INSTALLED.
•ALL OF THE IP SURVEILLANCE CAMERAS AND MOUNTING HARDWARE / EQUIPMENT WILL BE CONTRACTOR-FURNISHED AND CONTRACTOR INSTALLED.
•ALL SECURITY CAMERAS SHALL HAVE ONE CAT6A ORANGE CABLE INSTALLED WITH A 10'-0" SERVICE LOOP AT EACH CAMERA LOCATION AND BACK TO THE MDF/IDF ROOMS.
•ALL PENETRATIONS OF FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
•PRIOR TO STARTING ANY WORK CONTRACTORS SHALL VERIFY ALL IP SURVEILLANCE CAMERA ROUGH-IN REQUIREMENTS, THE CAMERA EXTERIOR HOUSING COLOR, THE MOUNTING LOCATIONS, MOUNTING HEIGHTS, ORIENTATION, AND FIELD OF VIEW(S) FOR EACH IP SURVEILLANCE CAMERA.

GENERAL:

•CONTRACTORS SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
•REFER TO SPECIFICATIONS FOR SYSTEM INTEGRATIONS (VIDEO MANAGEMENT, ACCESS CONTROL, FIRE ALARM).
•ALL CABLING TO DEVICES ON DOOR FRAMES OR MULLIONS SHALL BE ROUTED THROUGH THEM. COORDINATE WITH THE DOOR/WINDOW CONTRACTOR.
•REFER TO SPECIFICATIONS FOR INTEGRATION & TIE-IN REQUIREMENTS BETWEEN SYSTEMS.
•SECURITY INTEGRATOR SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•CONTRACTORS SHALL PROVIDE SEPARATE COMPUTER-DRAFTED SHOP DRAWINGS FOR THE ENTIRE FIRE ALARM, ACCESS CONTROL, AND VIDEO SURVEILLANCE SYSTEMS, INCLUDING ALL REQUIRED INFORMATION. TYPICAL RISERS AND COPYING THE CONTRACT DOCUMENTS ARE NOT ACCEPTABLE.

SHEET KEYNOTES

F1 DIVISION 26 CONTRACTOR SHALL PROVIDE A COMPLETE AND FULLY FUNCTIONAL NOTIFIER MODEL NFS2-3030 FIRE ALARM SYSTEM THROUGHOUT THE ELEMENTARY BUILDING. ALL FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY. THE SYSTEM AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION 28 3111, UTAH STATE FIRE MARSHAL REQUIREMENTS, AND CACHE COUNTY SCHOOL DISTRICT REQUIREMENTS. SYSTEM SHALL BE TESTED, PROGRAMMED, AND CERTIFIED UPON COMPLETION.

F3 SEE SPECIFICATIONS 26 0510 (ELEVATOR ELECTRICAL REQUIREMENTS) FOR FIRE ALARM SYSTEM AND ELEVATOR INTEGRATION E.G. LOBBIES, HOISTWAYS, ELEVATOR ROOMS, ETC. PROVIDE REQUIRED DEVICES, DISCONNECTS, AND SYSTEM CONNECTIONS AS REQUIRED.

F4 FIRE RISER LOCATION. PROVIDE REQUIRED QUANTITY OF MONITOR MODULES, CONTROL MODULES, TAMPER SWITCHES, AND FLOW SWITCHES FOR A COMPLETE AND WORKING SYSTEM. REVIEW FIRE PROTECTION DRAWINGS PRIOR TO BIDDING.

F6 PROVIDE FIRE ALARM SYSTEM DUCT DETECTOR(S) AS REQUIRED. COORDINATE WITH DIVISION 23 CONTRACTOR FOR THE QUANTITY AND FOR MOUNTING IN MECHANICAL UNIT DUCT WORK.

Y1 CREDENTIAL CARD READER INSTALLED ON THE DOOR FRAME OR MULLION THE CABLING SHALL BE ROUTED THROUGH THE DOOR FRAME AND MULLION TO ENSURE A CLEAN AND SECURE INSTALLATION. NO EXPOSED CONDUIT OR CABLING IS PERMITTED. COORDINATE INSTALLATION LOCATIONS WITH THE OWNER AND THE DOOR / WINDOW INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A JUNCTION BACKBOX. REFER TO THE MANUFACTURER'S SPECIFICATION REQUIREMENTS FOR THE NECESSARY CABLING.

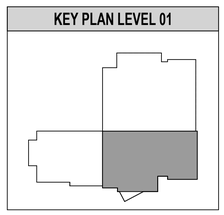
Y2 BEFORE STARTING ANY WORK OR ROUGH-IN, THE ACCESS CONTROL CONTRACTOR MUST COORDINATE A MEETING WITH THE OWNER AND THE ELEVATOR CONTRACTOR TO REVIEW THE PLANS AND CONFIRM THE EXACT MOUNTING LOCATIONS AND OPERATIONAL REQUIREMENTS FOR THE ELEVATOR CREDENTIAL CARD READER. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIFIED RACEWAY AND ALL NECESSARY CABLING TO CONNECT THE ELEVATOR CREDENTIAL CARD READER TO THE ACCESS CONTROL SYSTEM AND INTEGRATE IT WITH THE ELEVATOR CONTROL SYSTEM. THE CONTRACTOR MUST ENSURE THE INSTALLATION OF A COMPLETE AND FULLY FUNCTIONAL SYSTEM THAT INTEGRATES SEAMLESSLY WITH BOTH THE ACCESS CONTROL AND ELEVATOR CONTROL SYSTEMS, MEETS THE MANUFACTURER'S SPECIFICATIONS, AND COMPLIES WITH THE OWNER'S REQUIREMENTS.

Y3 BEFORE BEGINNING ANY WORK OR ROUGH-IN, THE CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER TO REVIEW PLANS AND MILLWORK DRAWINGS, CONFIRM THE EXACT MOUNTING LOCATION, AND VERIFY OPERATIONAL REQUIREMENTS FOR THE SCHOOL LOCKDOWN CREDENTIAL CARD READER. THIS READER SHALL BE INSTALLED WITH AN 5TI UNIVERSAL STOPPER PROTECTIVE COVER AND A 12V RED LED INDICATOR LIGHT ON A SINGLE-GANG FACEPLATE, MOUNTED ADJACENT TO THE READER, TO INDICATE WHEN THE READER HAS BEEN TRIGGERED.

Y4 BEFORE STARTING ANY WORK OR ROUGH-IN, THE CONTRACTOR MUST COORDINATE A MEETING WITH THE OWNER TO REVIEW THE PLANS AND MILLWORK DRAWINGS TO CONFIRM THE EXACT MOUNTING LOCATIONS AND OPERATIONAL REQUIREMENTS FOR THE DOOR RELEASE BUTTONS AND DURESS/PANIC BUTTONS LOCATED ON THE ADMIN DESK IN AREA #B102. THE DOOR RELEASE BUTTON 1 WILL CONTROL DOOR #B101B, AND DOOR RELEASE BUTTON 2 WILL CONTROL DOOR #B101A. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIFIED RACEWAY AND ALL NECESSARY CABLING TO CONNECT THE DOOR RELEASE AND DURESS/PANIC BUTTONS TO THE ACCESS CONTROL SYSTEM. THE CONTRACTOR MUST ENSURE THE INSTALLATION OF A COMPLETE AND FULLY FUNCTIONAL DOOR RELEASE AND DURESS/PANIC BUTTON SYSTEM THAT INTEGRATES WITH THE ACCESS CONTROL SYSTEM, MEETS THE MANUFACTURER'S SPECIFICATIONS, AND COMPLIES WITH THE OWNER'S REQUIREMENTS.

Y5 BEFORE STARTING ANY WORK OR ROUGH-IN, THE CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER TO REVIEW PLANS AND MILLWORK DRAWINGS, CONFIRM EXACT MOUNTING LOCATIONS AND HEIGHTS, AND VERIFY OPERATIONAL REQUIREMENTS FOR THE 2N IP VERSO 2.0 TWO-WAY AUDIO VIDEO INTERCOM DOOR STATIONS WITH CREDENTIAL CARD READERS, AND THE 2N INDOOR VIEW ANSWERING BASE STATIONS. THE CONTRACTOR SHALL PROVIDE THE REQUIRED RACEWAY, INCLUDING PULLING TWINE AND ALL NECESSARY CABLING, TO CONNECT THE INTERCOM SYSTEM TO THE ACCESS CONTROL SYSTEM, IP VIDEO SURVEILLANCE SYSTEM, AND SCHOOL NETWORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING A COMPLETE, FULLY FUNCTIONAL INTERCOM SYSTEM THAT INTEGRATES WITH ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEMS, MEETS THE MANUFACTURER'S SPECIFICATIONS, AND COMPLIES WITH THE OWNER'S REQUIREMENTS.

KEY PLAN LEVEL 01



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BNA Proj. No. 24254

VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7109037
STATE OF UTAH

DATE	REVISION

MAIN LEVEL SYSTEMS PLAN - AREA B

E412



SECOND LEVEL SYSTEMS PLAN - AREA A

SCALE = 1/8" = 1'-0"

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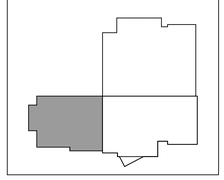
SHEET KEYNOTES

KEY PLAN LEVEL 02



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VBFA JOINING FORCES BNA 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

BID SET
03/25/2025
01193.002

DRAWING ISSUE
ISSUE DATE
NWL PROJECT



DATE REVISION

SECOND LEVEL SYSTEMS PLAN - AREA A

E421



SECOND LEVEL SYSTEMS PLAN - AREA B

SCALE = 1/8" = 1'-0"

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•CABLING TO DEVICES IN DOORS/MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE WITH THE WINDOW SYSTEM INSTALLER.
•ELECTRONIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, CRASH BARS, ETC.) IS BY DIVISION 8. VERIFY LOCK VOLTAGES AND FUNCTIONALITY. POWER SUPPLIES FOR THESE DEVICES ARE BY DIVISION 28. COORDINATE POWER REQUIREMENTS WITH DIVISION 8.
•PROVIDE ONE 4 SQ. J-BOX WITH COVER ON THE PROTECTED SIDE OF THE DOORWAY IN AN ACCESSIBLE CEILING SPACE (OR OTHER ACCESSIBLE LOCATION) AND A HANDY BOX IN THE DOOR JAMB (MOUNTED BEFORE GROUTING). DRILL A 1/8" PILOT HOLE FOR DEVICE MOUNTING.
•ALL EXTERIOR DOORS, ROOF HATCHES/ACCESS DOORS, MDF/IDF ROOMS, RISER ROOMS, AND DOORS WITH CREDENTIAL CARD READERS REQUIRE AD DOOR POSITION SWITCH/CONTACT TERMINATING TO THE ACCESS CONTROL SYSTEM.

IP VIDEO SURVEILLANCE SYSTEM:

•THE NVR, VMS, POE SWITCHES, AND SERVERS WILL BE OWNER-FURNISHED AND OWNER-INSTALLED.
•ALL OF THE IP SURVEILLANCE CAMERAS AND MOUNTING HARDWARE / EQUIPMENT WILL BE CONTRACTOR-FURNISHED AND CONTRACTOR INSTALLED.
•ALL SECURITY CAMERAS SHALL HAVE ONE CAT6A ORANGE CABLE INSTALLED WITH A 10'-0" SERVICE LOOP AT EACH CAMERA LOCATION AND BACK TO THE MDF/IDF ROOMS.
•ALL PENETRATIONS OF FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
•PRIOR TO STARTING ANY WORK CONTRACTORS SHALL VERIFY ALL IP SURVEILLANCE CAMERA ROUGH-IN REQUIREMENTS, THE CAMERA EXTERIOR HOUSING COLOR, THE MOUNTING LOCATIONS, MOUNTING HEIGHTS, ORIENTATION, AND FIELD OF VIEW(S) FOR EACH IP SURVEILLANCE CAMERA.

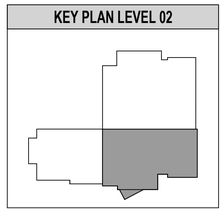
GENERAL:

•CONTRACTORS SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
•REFER TO SPECIFICATIONS FOR SYSTEM INTEGRATIONS (VIDEO MANAGEMENT, ACCESS CONTROL, FIRE ALARM).
•ALL CABLING TO DEVICES ON DOOR FRAMES OR MULLIONS SHALL BE ROUTED THROUGH THEM. COORDINATE WITH THE DOOR/WINDOW CONTRACTOR.
•REFER TO SPECIFICATIONS FOR INTEGRATION & TIE-IN REQUIREMENTS BETWEEN SYSTEMS.
•SECURITY INTEGRATOR SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•CONTRACTORS SHALL PROVIDE SEPARATE COMPUTER-DRAFTED SHOP DRAWINGS FOR THE ENTIRE FIRE ALARM, ACCESS CONTROL, AND VIDEO SURVEILLANCE SYSTEMS, INCLUDING ALL REQUIRED INFORMATION. TYPICAL RISERS AND COPYING THE CONTRACT DOCUMENTS ARE NOT ACCEPTABLE.

SHEET KEYNOTES

F3	SEE SPECIFICATIONS 26 0510 (ELEVATOR ELECTRICAL REQUIREMENTS) FOR FIRE ALARM SYSTEM AND ELEVATOR INTEGRATION E.G. LOBBIES, HOISTWAYS, ELEVATOR ROOMS, ETC. PROVIDE REQUIRED DEVICES, DISCONNECTS, AND SYSTEM CONNECTIONS AS REQUIRED.
F11	INSTALL DETECTOR LEVEL/FLUSH WITH THE BOTTOM OF THE ACOUSTICAL BAFFLES.
F12	INSTALL DETECTOR ABOVE THE ACOUSTICAL BAFFLES NEAR THE DECK.
F14	PROVIDE BEAM DETECTORS AS SHOWN ON PLANS. COORDINATE AND POSITION THEM ON AVAILABLE WALL SPACE WITH A CLEAR LINE OF SIGHT FOR OPTIMAL FUNCTIONALITY.
Y1	CREDENTIAL CARD READER INSTALLED ON THE DOOR FRAME OR MULLION THE CABLING SHALL BE ROUTED THROUGH THE DOOR FRAME AND MULLION TO ENSURE A CLEAN AND SECURE INSTALLATION. NO EXPOSED CONDUIT OR CABLING IS PERMITTED. COORDINATE INSTALLATION LOCATIONS WITH THE OWNER AND THE DOOR / WINDOW INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A JUNCTION BACKBOX. REFER TO THE MANUFACTURER'S SPECIFICATION REQUIREMENTS FOR THE NECESSARY CABLING.
Y2	BEFORE STARTING ANY WORK OR ROUGH-IN, THE ACCESS CONTROL CONTRACTOR MUST COORDINATE A MEETING WITH THE OWNER AND THE ELEVATOR CONTRACTOR TO REVIEW THE PLANS AND CONFIRM THE EXACT MOUNTING LOCATIONS AND OPERATIONAL REQUIREMENTS FOR THE ELEVATOR CREDENTIAL CARD READER. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIFIED RACEWAY AND ALL NECESSARY CABLING TO CONNECT THE ELEVATOR CREDENTIAL CARD READER TO THE ACCESS CONTROL SYSTEM AND INTEGRATE IT WITH THE ELEVATOR CONTROL SYSTEM. THE CONTRACTOR MUST ENSURE THE INSTALLATION OF A COMPLETE AND FULLY FUNCTIONAL SYSTEM THAT INTEGRATES SEAMLESSLY WITH BOTH THE ACCESS CONTROL AND ELEVATOR CONTROL SYSTEMS, MEETS THE MANUFACTURER'S SPECIFICATIONS, AND COMPLIES WITH THE OWNER'S REQUIREMENTS.

KEY PLAN LEVEL 02



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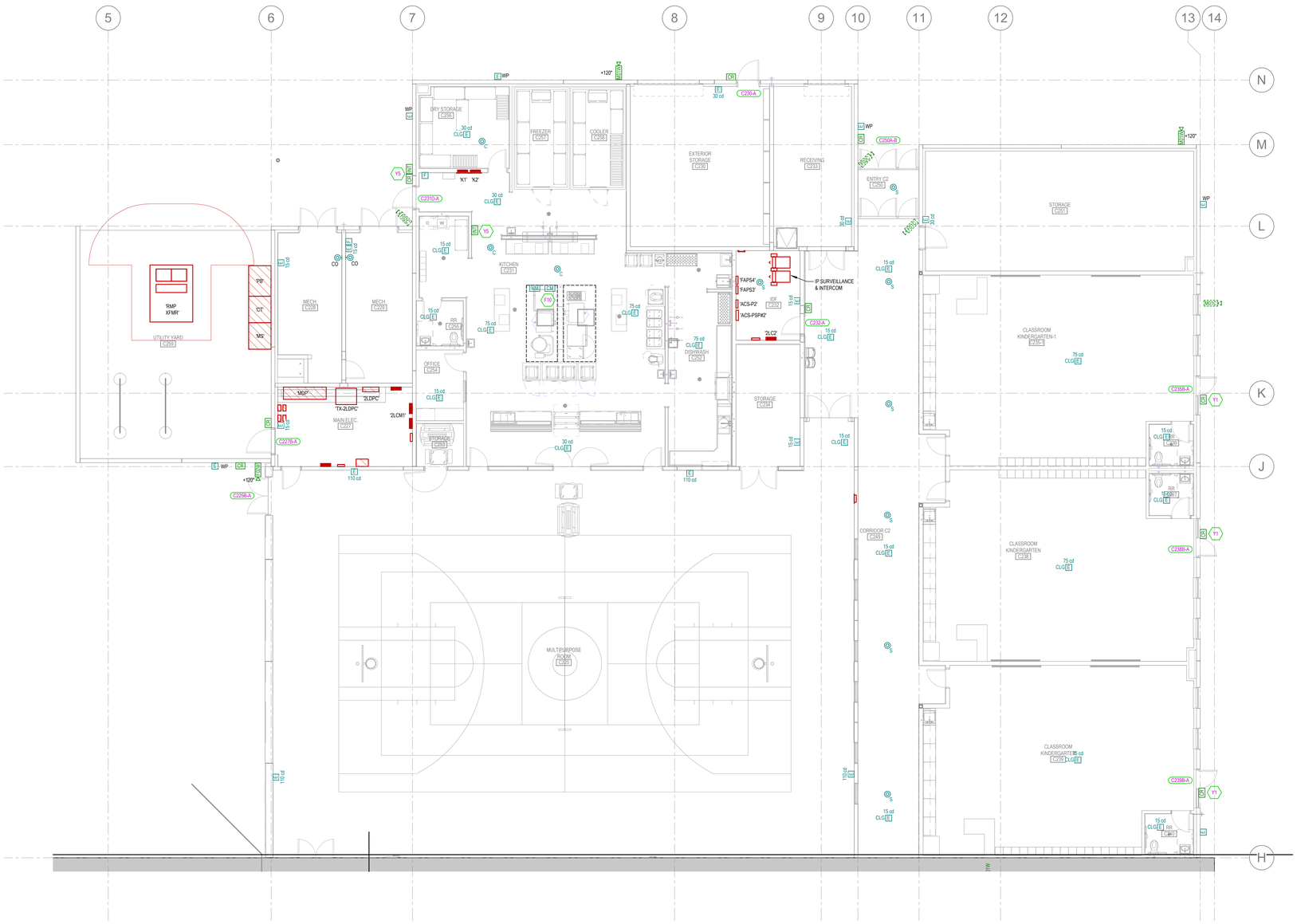
ISSUE DATE	02/25/2025
NWL PROJECT	01/19.002

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709031[illegible]
STATE OF UTAH

DATE	REVISION

SECOND LEVEL SYSTEMS PLAN - AREA B

E422



SECOND LEVEL SYSTEMS PLAN - AREA C

SCALE = 1/8" = 1'-0"

GENERAL SYSTEM SHEET NOTES

FIRE ALARM SYSTEM:

•PROVIDE A VOICE/EVAC FIRE ALARM SYSTEM PER SPECIFICATIONS AND CCSD REQUIREMENTS. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. A LICENSED FIRE ALARM ENGINEER MUST PROVIDE AND STAMP ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATIONS, AND NATIONAL & LOCAL CODE COMPLIANCE IN THE FIRE ALARM CONTRACTOR'S BID. DEVICES SHOWN ON THESE DRAWINGS ARE NOT FINAL DESIGN DOCUMENTS.
•PROVIDE RED CONDUIT AND BOXES FOR ALL FIRE ALARM RACEWAY AND INFRASTRUCTURE.
•PROVIDE #14 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.
•ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. COORDINATE CONDUIT AND BACK BOX INSTALLATION IN VARIOUS WALL TYPES.
•COORDINATE FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCH QUANTITIES/LOCATIONS WITH FIRE SPRINKLER DRAWINGS AND CONNECT THEM TO THE FIRE ALARM SYSTEM.
•COORDINATE DUCT SMOKE DETECTOR LOCATIONS/QUANTITIES WITH THE MECHANICAL CONTRACTOR. HARDWIRE TO RELAY STARTER. PROVIDE TWO DUCT-TYPE SMOKE DETECTORS FOR EACH FCU, AHU, SUPPLY FAN, AND HEAT PUMP OF 2000 CFM OR GREATER. DUCT DETECTORS SHALL BE WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER.
•PROVIDE FIRE ALARM AND ACCESS CONTROL INTERFACE TO UNLOCK INDICATED LOCKS UPON FIRE ALARM INITIATION.
•ALL VISUAL DEVICES SHALL BE SYNCHRONIZED WITHIN THE BUILDING.
•REFER TO THE ARCHITECTURAL DOOR SCHEDULE FOR MAGNETIC DOOR HOLDER AND BLOW-OPEN DOOR REQUIREMENTS.
•PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
•DEVICES INDICATED ON THE FIRE ALARM ONE-LINE ARE FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS AND SPECIFICATIONS FOR QUANTITIES.
•PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS/JUNCTION BOXES (J-BOXES). PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. REFER TO DIAGRAM D012.

ACCESS CONTROL:

•ACCESS CONTROL SYSTEM CABLING SHALL RUN BACK TO CENTRALLY LOCATED HEAD-END/SLAVE PANELS AND POWER SUPPLIES IN MDF/IDF ROOMS. ALTERNATE CONFIGURATIONS REQUIRE WRITTEN APPROVAL AND REVISED DRAWINGS. EACH ACCESS CONTROL PANEL SHALL HAVE A 4X8' FIRE-RATED PLYWOOD BACKER AND SUFFICIENT CONTROLLER BOARDS.
•THE ACCESS CONTROL SYSTEM SHALL INCLUDE NECESSARY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, OR I/O MODULES. REQUEST TO EXIT, DOOR CONTACT, AND INDICATOR CIRCUITS SHALL BE SUPERVISED FOR FAULTS.
•COORDINATE CREDENTIAL CARD READER AND ADA CONTROL STATION LOCATIONS WITH ARCHITECTURAL & SYSTEM DRAWINGS. PROVIDE ALL REQUIRED CREDENTIAL CARD READER LOCATIONS.
•COORDINATE ALL DOOR HARDWARE WITH DIVISION 8 (LOCK TYPES, POWER SUPPLIES, ETC.). REVIEW THE DOOR HARDWARE SUBMITTAL AND SUMMARIZE DISCREPANCIES.
•PROVIDE RACEWAY, CONDUIT, AND WIRING FOR INDICATED SECURITY DEVICES. PROVIDE CONCEALED 3/4" CONDUIT AND REQUIRED CABLING. COORDINATE JUNCTION BOX ROUGH-IN LOCATIONS WITH THE OWNER AND ACCESS SYSTEM SUPPLIER.
•CABLING TO DEVICES IN DOORS/MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE WITH THE WINDOW SYSTEM INSTALLER.
•ELECTRONIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, CRASH BARS, ETC.) IS BY DIVISION 8. VERIFY LOCK VOLTAGES AND FUNCTIONALITY. POWER SUPPLIES FOR THESE DEVICES ARE BY DIVISION 28. COORDINATE POWER REQUIREMENTS WITH DIVISION 8.
•PROVIDE ONE 4 SQ. J-BOX WITH COVER ON THE PROTECTED SIDE OF THE DOORWAY IN AN ACCESSIBLE CEILING SPACE (OR OTHER ACCESSIBLE LOCATION) AND A HANDY BOX IN THE DOOR JAMB (MOUNTED BEFORE GROUTING). DRILL A 1/8" PILOT HOLE FOR DEVICE MOUNTING.
•ALL EXTERIOR DOORS, ROOF HATCHES/ACCESS DOORS, MDF/IDF ROOMS, RISER ROOMS, AND DOORS WITH CREDENTIAL CARD READERS REQUIRE AD DOOR POSITION SWITCH/CONTACT TERMINATING TO THE ACCESS CONTROL SYSTEM.

IP VIDEO SURVEILLANCE SYSTEM:

•THE NVR, VMS, POE SWITCHES, AND SERVERS WILL BE OWNER-FURNISHED AND OWNER-INSTALLED.
•ALL OF THE IP SURVEILLANCE CAMERAS AND MOUNTING HARDWARE / EQUIPMENT WILL BE CONTRACTOR-FURNISHED AND CONTRACTOR INSTALLED.
•ALL SECURITY CAMERAS SHALL HAVE ONE CAT6A ORANGE CABLE INSTALLED WITH A 10'-0" SERVICE LOOP AT EACH CAMERA LOCATION AND BACK TO THE MDF/IDF ROOMS.
•ALL PENETRATIONS OF FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
•PRIOR TO STARTING ANY WORK CONTRACTORS SHALL VERIFY ALL IP SURVEILLANCE CAMERA ROUGH-IN REQUIREMENTS, THE CAMERA EXTERIOR HOUSING COLOR, THE MOUNTING LOCATIONS, MOUNTING HEIGHTS, ORIENTATION, AND FIELD OF VIEW(S) FOR EACH IP SURVEILLANCE CAMERA.

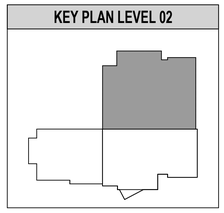
GENERAL:

•CONTRACTORS SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
•REFER TO SPECIFICATIONS FOR SYSTEM INTEGRATIONS (VIDEO MANAGEMENT, ACCESS CONTROL, FIRE ALARM).
•ALL CABLING TO DEVICES ON DOOR FRAMES OR MULLIONS SHALL BE ROUTED THROUGH THEM. COORDINATE WITH THE DOOR/WINDOW CONTRACTOR.
•REFER TO SPECIFICATIONS FOR INTEGRATION & TIE-IN REQUIREMENTS BETWEEN SYSTEMS.
•SECURITY INTEGRATOR SHALL CAREFULLY REVIEW REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, AND MILLWORK DRAWINGS.
•CONTRACTORS SHALL PROVIDE SEPARATE COMPUTER-DRAFTED SHOP DRAWINGS FOR THE ENTIRE FIRE ALARM, ACCESS CONTROL, AND VIDEO SURVEILLANCE SYSTEMS, INCLUDING ALL REQUIRED INFORMATION. TYPICAL RISERS AND COPYING THE CONTRACT DOCUMENTS ARE NOT ACCEPTABLE.

SHEET KEYNOTES

F10	PROVIDE ALL FIRE ALARM MAU/EXHAUST CONTROL, AND AUX CONNECTIONS/TERMINATIONS AT UDS AND HOOD AS REQUIRED BY MANUFACTURER.
Y1	CREDENTIAL CARD READER INSTALLED ON THE DOOR FRAME OR MULLION THE CABLING SHALL BE ROUTED THROUGH THE DOOR FRAME AND MULLION TO ENSURE A CLEAN AND SECURE INSTALLATION. NO EXPOSED CONDUIT OR CABLING IS PERMITTED. COORDINATE INSTALLATION LOCATIONS WITH THE OWNER AND THE DOOR / WINDOW INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A JUNCTION BACKBOX. REFER TO THE MANUFACTURER'S SPECIFICATION REQUIREMENTS FOR THE NECESSARY CABLING.
Y5	BEFORE STARTING ANY WORK OR ROUGH-IN, THE CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER TO REVIEW PLANS AND MILLWORK DRAWINGS, CONFIRM EXACT MOUNTING LOCATIONS AND HEIGHTS, AND VERIFY OPERATIONAL REQUIREMENTS FOR THE 2N IP VERSO 2.0 TWO-WAY AUDIO VIDEO INTERCOM DOOR STATIONS WITH CREDENTIAL CARD READERS, AND THE 2N INDOOR VIEW ANSWERING BASE STATIONS. THE CONTRACTOR SHALL PROVIDE THE REQUIRED RACEWAY, INCLUDING PULLING TWINE AND ALL NECESSARY CABLING, TO CONNECT THE INTERCOM SYSTEM TO THE ACCESS CONTROL SYSTEM, IP VIDEO SURVEILLANCE SYSTEM, AND SCHOOL NETWORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING A COMPLETE, FULLY FUNCTIONAL INTERCOM SYSTEM THAT INTEGRATES WITH ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEMS, MEETS THE MANUFACTURER'S SPECIFICATIONS, AND COMPLIES WITH THE OWNER'S REQUIREMENTS.

KEY PLAN LEVEL 02



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SECOND LEVEL SYSTEMS PLAN - AREA C

E423

DIAGRAM KEYNOTES:

1. MOUNT ACCESS CONTROL DOOR CONTACT & INTRUSION DETECTION DOOR CONTACT 3-5" AWAY FROM LATCHING SIDE OF DOOR.
2. REFER TO DIV. 8 SPECIFICATIONS FOR ADA EQUIPMENT TYPES, AND POWER SHEET PLANS FOR DEVICE LOCATIONS. PROVIDE 3/4" CONDUIT FROM ADA TO 4SQ J-BOX WITH COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE EQUIPMENT AND ANY OTHER INSTALLED END DEVICES TO 4SQ J-BOX W/ COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
4. PROVIDE HORIZONTAL SINGLE GANG J-BOX WITH 3/4" CONDUIT FOR REQUEST TO EXIT MOTION.
5. PROVIDE 4SQ J-BOX WITH VERTICAL SINGLE GANG MUD RING AND 3/4" CONDUIT FOR STANDARD SIZE CREDENTIAL CARD READER.
6. ROUTE DEVICE CABLING THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR FRAME OR MULLION WITHOUT J-BOX.
7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.
8. PROVIDE EXTERIOR CABLING QUICK-DISCONNECT AT THE TOP OF DOOR FRAME FOR ELECTRIC STRIKE(S) ON REMOVABLE MULLIONS.
9. ELECTRIC POWER TRANSFER HING / ELECTRIC HINGE / ELECTRIC POWER TRANSFER LOOP (SEE DIV.8 SPEC).
10. DEVICES SHOWN ON THESE DIAGRAMS ARE NOT TO SCALE AND ANY/ALL MAY OR MAY NOT BE REQUIRED. DIAGRAM REPRESENTS TYPICAL ROUGH-IN AND DEVICE LOCATIONS. CONTRACTOR MUST REFER TO DIV. 8 SPECIFICATIONS FOR ELECTRIFIED DOOR EQUIPMENT TYPES AND THE SECURITY DRAWINGS FOR ACCESS CONTROL DEVICE LOCATIONS.

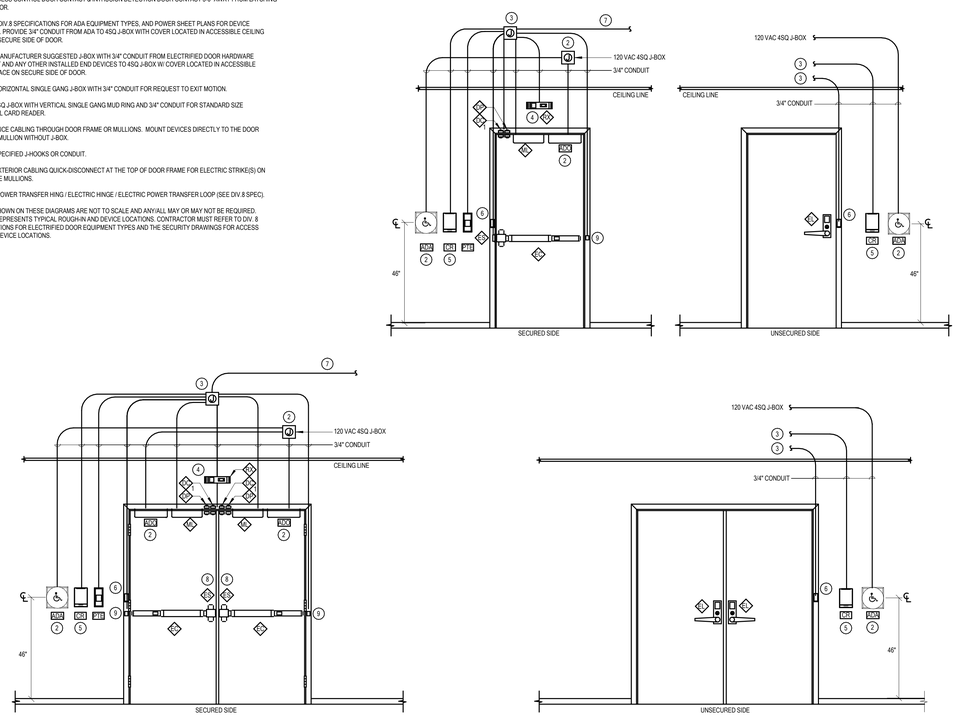

DIAGRAM EY101 TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS
NTS

DIAGRAM NOTE:

1. DEVICES SHOWN ARE DIAGRAMMATICALLY ONLY.
2. FROM THE ACCESS CONTROL HEAD-END PANEL(S) AND POWER SUPPLIES PROVIDE THESE CONDUITS:

   A. 2" CONDUIT(S) FOR ACCESS CONTROL CABLING. ROUTE CONDUIT UP TO ACCESSIBLE CEILING SPACE OR SPECIFIED RACEWAY.

   B. 3/4" CONDUIT FOR ELECTRICAL POWER CABLE. ROUTE CONDUIT TO THE DESIGNATED ELECTRICAL PANEL FOR THE POWER CIRCUIT.

   C. 3/4" CONDUIT FOR CATEGORY CABLE: ROUTE CONDUIT TO ACCESSIBLE CEILING SPACE OR SPECIFIED RACEWAY. TERMINATE THE CATEGORY CABLE INTO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK AND PATCH PANEL.

   D. CONDUIT FILL RATIOS ARE NOT TO EXCEED 40%.

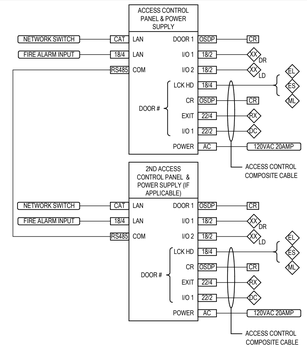

DIAGRAM EY002 TYPICAL ACCESS CONTROL - ONE LINE DIAGRAM
NTS

DIAGRAM NOTE:

1. ROUTE CABLING IN A 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED CABLE RACEWAY TO ROUTE CABLING TO DESIGNATED CONTROL PANELS WITH CABLE SERVICE LOOPS ON EACH END.
2. PROVIDE 3/4 CONDUIT DOWN TO J-BOX, COVER, & GROMMET IF DESK IS +12" AWAY.
3. PROVIDE 3/4 CONDUIT DOWN TO CONCEALED CONDUIT IF DESK IS >12" FROM WALL. PROVIDE STUB-UP UNDERNEATH OR INTO MILLWORK LOCATION. COORDINATE WITH OWNER AND MILLWORK PLANS PRIOR TO STARTING INSTALLATION.

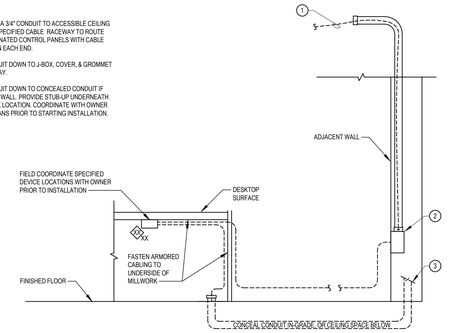

DIAGRAM EY505 TYPICAL MILLWORK SECURITY DEVICES
NTS

DIAGRAM NOTES:

1. PROVIDE A MANUFACTURER-RECOMMENDED JUNCTION BACKBOX WITH A 3/4" CONDUIT THAT EXTENDS TO AN ACCESSIBLE CEILING SPACE.
2. PROVIDE A RACEWAY TO ROUTE THE CATEGORY CABLE TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK, ENSURING INDUSTRY-STANDARD SERVICE LOOPS AT BOTH ENDS. TERMINATE THE CATEGORY CABLE WITH THE SPECIFIED CONNECTORS AND TO THE ASSIGNED PATCH PANEL AND PERFORM TESTING.

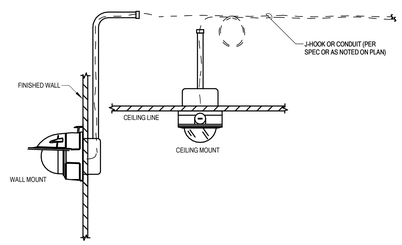

DIAGRAM EY401 TYPICAL SURVEILLANCE CAMERAS MOUNTING
NTS

DIAGRAM NOTES

1. PROVIDE A 4SQ JUNCTION BACKBOX WITH A BLANK COVERPLATE MOUNTED ON THE BUILDINGS INTERIOR WALL. WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE.
2. PROVIDE RACEWAY TO ROUTE THE CATEGORY CABLE BACK TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END. TERMINATE THE CATEGORY CABLE ENDS WITH THE SPECIFIED CONNECTORS AND TO THE ASSIGNED PATCH PANEL, AND TEST.
3. THE HOLE THAT IS DRILLED THROUGH THE WALL TO THE EXTERIOR FINISHED WALL AND INTO THE BACK OF THE CAMERAS MOUNTING BRACKET IS TO BE SEALED ON EACH SIDE WITH WEATHERPROOF SEALANT. NO EXPOSED CABLING, CONDUIT, OR JUNCTION BOXES ARE PERMITTED TO BE INSTALLED ON THE EXTERIOR OF THE BUILDING.

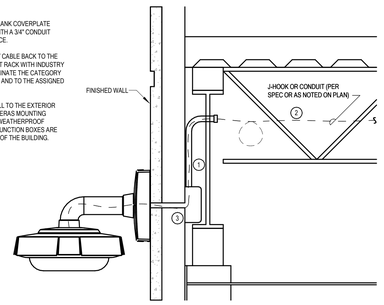

DIAGRAM EY403 TYPICAL EXTERIOR CAMERA MOUNT
NTS

DIAGRAM NOTES:

1. CAMERAS SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR SURVEILLANCE CAMERA LOCATIONS.

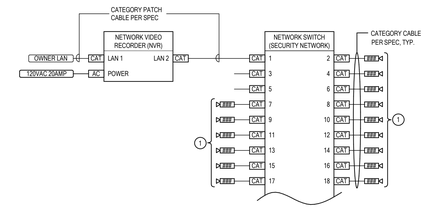

DIAGRAM EY001 TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM
NTS

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SYSTEMS DIAGRAMS

E431

NOTE:

1. PROVIDE ADDRESSABLE INITIATION LOOP(S) AND POWER CIRCUIT FOR THE CARBON MONOXIDE DETECTORS.
2. PROVIDE CARBON MONOXIDE DETECTOR WITH ASSOCIATED MONITOR MODULE. SEE PLANS FOR QUANTITY AND LOCATION.
3. PROVIDE CONTROL MODULE WITH FAN SHUTDOWN RELAY TO SHUTDOWN MECHANICAL UNIT ON LOCAL CARBON MONOXIDE DETECTOR ACTIVATION.
4. PROVIDE FIRE ALARM BLUE STROBE(S). SEE PLANS FOR QUANTITY AND LOCATIONS.
5. PROVIDE DUCT SMOKE DETECTORS AND FAN RELAYS AT ALL FAN UNITS 2000 CFM AND OVER. SHUT DOWN ALL SUPPLY AND RETURN FANS UPON A GENERAL ALARM SIGNAL.
6. PROVIDE KEY OVERRIDE SWITCH FOR EVERY PAIR OF ELECTROMAGNETIC DOOR HOLDERS/RELEASES.
7. PROVIDE KEY OVERRIDE SWITCH IN MAIN ADMINISTRATION OFFICE THAT WILL RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING.
8. COORDINATE WITH THE ACCESS CONTROL PROVIDER TO PROVIDE INPUT POINT THAT WILL ALLOW THE ACCESS CONTROL SYSTEM TO RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING DURING A LOCK DOWN EVENT OR PER THE OWNERS REQUIREMENTS.
9. COORDINATE WITH THE INTERCOM PROVIDER TO PROVIDE INPUT POINT THAT WILL ALLOW THE INTERCOM SYSTEM TO RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING DURING A LOCK DOWN EVENT OR PER THE OWNERS REQUIREMENTS.

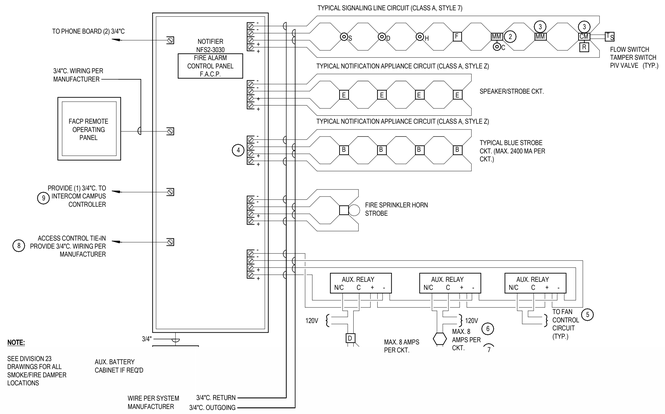
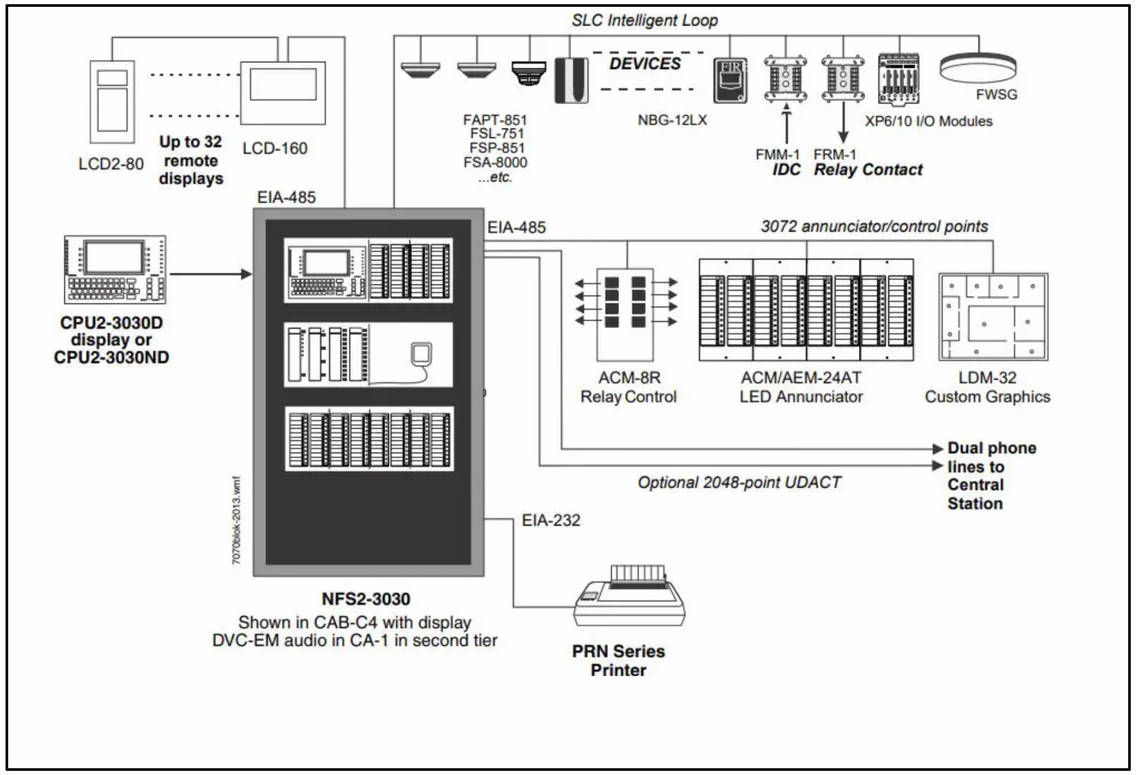


DIAGRAM D016 TYPICAL FIRE ALARM RISER
NTS



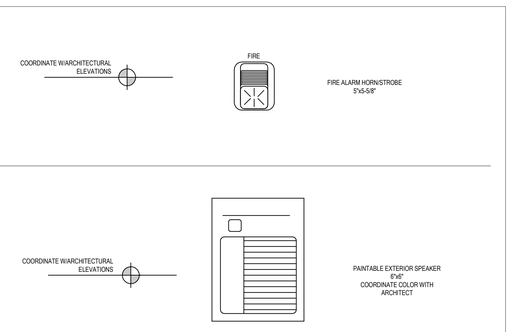


DIAGRAM D007 EXTERIOR FIRE ALARM HORN/STROBE & SPEAKER
NTS

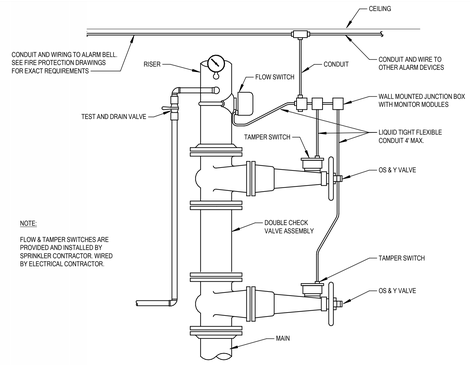


DIAGRAM D001 FIRE SPRINKLER RISER CONNECTION
NTS

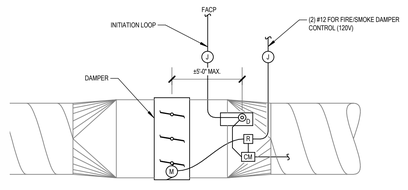


DIAGRAM D012 FIRE/SMOKE/DAMPERS CONNECTION
NTS

naylor wentworth lund
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VBFA BNA JOINING FORCES 2025

CACHE COUNTY SCHOOL DISTRICT

HYDE PARK ELEMENTARY SCHOOL
333 EAST 300 NORTH
HYDE PARK CITY, UT
84318

DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	0119.002

BRIAN HICKS 7399955 LICENSED PROFESSIONAL ENGINEER STATE OF UTAH

DATE	REVISION

SYSTEMS DIAGRAMS

E432

CABLING GROUPS AND CONDUIT SEPARATION SCHEDULE

AUDIO AND VIDEO WIRING TYPES:

AUDIO AND VIDEO SYSTEM WIRING IS DIVIDED INTO WIRING GROUPS ACCORDING TO THEIR NOMINAL LEVELS:

GROUP	WIRING TYPE
GROUP 1	FIBER OPTIC CABLE
GROUP 2	O mV TO 100 mV SIGNALS, EXAMPLE: MICROPHONE LEVEL SIGNAL
GROUP 3	100 mV TO 10 V SIGNALS, EXAMPLE: LINE-LEVEL SIGNAL
GROUP 4	10 V TO 70 V SIGNALS, EXAMPLE: SPEAKER LEVEL SIGNAL
GROUP 5	CONTROL, DIGITAL CIRCUITS, DATA AND VIDEO

NOTE: GROUPS LISTED ABOVE SHALL NEVER BE COMBINED WITHIN THE SAME CONDUIT

AUDIO AND VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT AUDIO AND VIDEO GROUPS IS AS FOLLOWS:

GROUP	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
GROUP 1	ADJACENT	ADJACENT	ADJACENT	ADJACENT	ADJACENT
GROUP 2	ADJACENT	ADJACENT	6"	12"	12"
GROUP 3	ADJACENT	6"	ADJACENT	12"	6"
GROUP 4	ADJACENT	12"	12"	ADJACENT	6"
GROUP 5	ADJACENT	12"	6"	6"	ADJACENT

NOTE: NINETY DEGREE CROSSING IN CLOSE PROXIMITY IS PERMITTED.

ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO AND VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS AS FOLLOWS:

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
277/480V AC CIRCUIT	ADJACENT	24"	24"	24"	24"
120/208V AC CIRCUIT	ADJACENT	24"	12"	12"	24"

NOTE: CONDUITS SHALL NOT RUN MORE THAN 20 FEET IN PARALLEL WITHIN THE GIVEN DISTANCES ABOVE.

AUDIOVISUAL CABLE AND CONDUIT SCHEDULE

NOTES:
1. APPROVED EQUALS FROM OTHER MANUFACTURERS ARE BELDEN, GEPCO/GENERAL, ICE, KRAMER, EXTRON, CRESTRON, LIBERTY CABLE, AND WINDY CITY WIRE.
2. PROVIDE PLENUM RATED CABLES IN ANY "AIR HANDLING" SPACES E.G. ABOVE CEILINGS, RAISED FLOORS, CHASES, ETC.
3. CABLE QUANTITY INDICATED ON DRAWINGS SHOWS ON FINAL RUN. IF NOT NOTED PROVIDE CABLING FOR SINGLE DEVICE.
4. CONDUIT REQUIREMENTS SHOWN ARE MINIMUM CONDUIT SIZE REQUIRED FOR A SINGLE CABLE, UNLESS OTHERWISE NOTED ON DRAWINGS. NUMBER OF CABLES LISTED IS THE MAXIMUM AMOUNT ALLOWED FOR CONDUIT SIZE INDICATED.
5. WHEN COMBINING CABLE TYPES OF THE SAME GROUP, THE TYPE WITH THE LARGEST CONDUIT REQUIREMENT DICTATES CONDUIT SIZE.
6. PROVIDE ON ALL HDMI CABLES LONGER THAN 35' OR WITH MORE THAN (3) CONNECTION POINTS (1) ACTIVE HDMI EXTENSION DEVICE.
7. ALL CATEGORY CABLE SHALL BE TESTED AND CERTIFIED TO ANSI/TIA/EIA-568C AND IEEE 802.3an STANDARDS USING A LEVEL IIIe TESTER.
8. REFER TO SPECIFICATIONS FOR STP CABLE REQUIREMENTS. ALL UNSHIELDED (UTP) CATEGORY CABLES WITHIN THE PROJECT SHALL BE SUPPLIED FROM A SINGLE MANUFACTURER AND MATCH MAKE/MODEL.
9. HDMI CABLES ARE INTENDED TO PASS 4K 60 4:4:4 FROM SOURCE TO DESTINATION. CONTRACTOR TO VERIFY THE LENGTH OF ALL CABLES USED MEET THIS REQUIREMENT.
* INDICATES DEFAULT CABLE IF MANUFACTURER DOES NOT RECOMMEND A SPECIFIC CABLE.
** INDICATES DEFAULT CABLE IF HORIZONTAL CABLING IS EXCLUDED FROM THE PROJECT AND NOT OWNER PROVIDED.

CABLE TYPE	DESCRIPTION	CONDUIT REQUIREMENTS	MANUFACTURER	MODEL NUMBER	CABLE GROUP
(#)AT	ANTENNA, COAXIAL RG8X	1" CONDUIT = (7) CABLES 1 1/2" CONDUIT = (12) CABLES	WEST PENN	807 *	5
(#)CT	CONTROL, 2/22 SHIELDED, 2/18 UNSHIELDED	1" CONDUIT = (7) CABLES 1 1/4" CONDUIT = (12) CABLES	WEST PENN	77350 * D25350 (P) *	5
(#)HD	HDMI < 20', ULTRA FLEXIBLE	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON CRESTRON	HDMI ULTRA/## CBL-HD-##	5
(#)HD	HDMI > 20'	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON KRAMER	HDMI PRO PIXX CP-HM/HM/ETH (P)	5
(#)LA (#)MA	LINE LEVEL, 22 AWG MICROPHONE, 22 AWG	1" CONDUIT = (23) CABLES 1 1/2" CONDUIT = (77) CABLES	WEST PENN	291 D25454 (P)	3 2
(#)MFB	MULTIMODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)RG6	RG-6 COAXIAL CABLE	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)RG11	RG-11 COAXIAL CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (6) CABLES	WEST PENN	821 D25821 (P)	5
(#)S12	SPEAKER, 12 AWG	1" CONDUIT = (3) CABLES, 1 1/2" CONDUIT = (7) CABLES 2" CONDUIT = (11) CABLES	WEST PENN	227 25227B (P)	4
(#)S16	SPEAKER, 16 AWG	1" CONDUIT = (10) CABLES 1 1/4" CONDUIT = (17) CABLES	WEST PENN	225 25225B (P)	4
(#)SFB	SINGLE MODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)STP	SHIELDED TWISTED PAIR, CAT 6A	1" CONDUIT = (4) CABLES 1 1/4" CONDUIT = (8) CABLES	PER MFG WEST PENN	4246AF * 254246AF (P) *	5
(#)UTP	UN-SHIELDED TWISTED PAIR CAT 6	1" CONDUIT = (9) CABLES 1 1/4" CONDUIT = (15) CABLES	PER SPEC WEST PENN	4246 ** 254246 (P) ** SPEC 27 1500	5
(#)VG	HIGH RESOLUTION VIDEO	1" CONDUIT = (1) CABLES 1 1/4" CONDUIT = (4) CABLES	WEST PENN	5CRGB 255CRGB (P)	5
(#)SDI	SERIAL DIGITAL INTERFACE (RG-6 COAX)	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)USB	USB EXTENSION CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (10) CABLES	CABLES TO GO	52108	5
(#)X#	MANUFACTURER PROPRIETARY CABLE	AS NOTED	SPEC. 27 4100	SPEC. 27 4100	NA

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
AFF	ABOVE FINISH FLOOR	MFG	MANUFACTURER
ARCH	ARCHITECTURE	MAX	MAXIMUM
AUX	AUXILIARY	MIC	MICROPHONE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BC	BARE COPPER	MTG	MOUNTING
C	CONDUIT	N/A	NOT APPLICABLE
CATV	CABLE TELEVISION	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CNTR	CONTRACTOR	PLEN	PLENUM
CU	COPPER	(R)	RELOCATE
C/W	COMPLETE WITH	RECPT	RECEPTACLE
DWG	DRAWING	SPEC	SPECIFICATIONS
(E)	EXISTING	SPKR	SPEAKER
FT	FOOT	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
IN	INCH	UPS	UNINTERRUPTED POWER SUPPLY
J-BOX	JUNCTION BOX	W	WATTS
LTG	LIGHTING	W/O	WITHOUT

AUDIOVISUAL SYMBOL LEGEND

NOTES:
1. HEIGHT MEASURED TO BOTTOM OF THE DEVICE FROM FINISHED FLOOR.
2. HEIGHT MEASURED TO CENTER LINE OF THE DEVICE FROM THE FINISHED FLOOR.
3. REFER TO DIAGRAMS AND ELEVATIONS FOR CUSTOM ROUGH-IN REQUIREMENTS.
4. STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.
5. ROUGH-IN TO BE HORIZONTAL.
6. ROUGH-IN TO BE INSTALLED ABOVE ACCESSIBLE CEILING.
7. ROUGH-IN TO BE INSTALLED ABOVE CEILING.
8. DEVICE IS TYPICALLY LOCATED IN MILLWORK, FURNITURE, BEHIND A MONITOR OR ABOVE A PROJECTOR.
9. ABOVE TABLE/COUNTER MOUNTED DEVICE.
10. REFER TO MANUFACTURER'S RECOMMENDED CABLE REQUIREMENTS FOR EXACT CABLE REQUIRED.
11. FOLLOW BICSI STANDARDS FOR CABLE ROUTING AND DISTANCES.
12. JUNCTION BOX INDICATED IS FOR MOST INSTALLATIONS. DEVICE WILL BE NOTED WHEN JUNCTION BOX SIZE REQUIREMENTS ARE DIFFERENT FROM INDICATED.
13. MOUNTING HEIGHT SHOWN IS FROM THE BOTTOM OF THE MONITOR TO THE FINISHED FLOOR.

GENERAL SCHEDULE NOTES:
A. TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF DRAWINGS.
B. DEVICES WITH "A" ADJACENT TO IT INDICATE DEVICE TO BE COORDINATED WITH MILLWORK PRIOR TO ROUGH-IN.
C. ROUGH-IN JUNCTION BOX, CONDUIT, AND MOUNTING HEIGHT ARE DEFAULT REQUIREMENTS. REFER TO PLANS FOR SPECIFIC NOTES AND REQUIREMENTS FOR A SPECIFIC INSTANCE.
D. CONDUIT STUBBED INTO ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
E. CABLE FROM DEVICE TO BE HOMERUN TO DESTINATION WITHOUT SPLICES.

SYMBOL	DESCRIPTION	J-BOX	CONDUIT	MOUNTING HEIGHT	CABLE TYPE	NOTES
(M1) (M2)	MICROPHONE INPUT, WALL PLATE (M1/M2 = D1, M3/M4 = D2)	D1,D2	(1) 3/4"	RECEPTACLE HEIGHT	(#) MA	2,4.
AX	AUXILIARY INPUT, 3.5MM/RCA CONNECTION, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
T TS	AUDIO OUTPUT, WALL PLATE (T = XLR MALE CONNECTION, TS = 1/4 TS CONNECTION)	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
MA	MICROPHONE INPUT WITH AUXILIARY INPUT, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) MA (1) LA	2,4.
(MCP) (MCT) (MCA)	MICROPHONE, CEILING ARRAY, INPUT, OR STANDARD (# = INDICATES TYPE)	D1	(1) 3/4"	CEILING	(1) MA	2,4.
MB	TABLE TOP BOUNDARY MICROPHONE		(1) 1/2"	ON TABLE/ MILLWORK	(1) MA	2,3,9.
MW	WALL MOUNTED MICROPHONE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
MXT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MT	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D1	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MXR	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MXQ	FOUR MICROPHONE INPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
BXT	BLUETOOTH AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
BT	BLUETOOTH, WALL PLATE, AUDIO EXTENDER	D1	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
VG	VGA INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) VG	2,4.
HD	HDMI INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) LA	2,4.
HV	HDMI AND VGA INPUT, WALL PLATE	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) VG	2,4.
ENT	AVoIP ENCODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
DC1	AVoIP DECODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
TxH	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxD	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE	D2	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxM	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMITTER BOX, SURFACE MOUNTED			IN MILLWORK/ UNDER TABLE	(1) STP	2,4,11.
TxT	HDBaseT CATEGORY INPUT, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
RxH	HDBaseT, HDMI RECEIVER, WALL PLATE	D1	(1) 1"	AS NOTED	(1) STP	2,4,11.
USA USC UST UBT	USB INPUT, WALL PLATE, UTP EXTENDER, (# = INDENTIFIES UNIQUE PLATE)	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
Rx Tx	HDBaseT DEVICE, SURFACE MOUNTED T = TRANSMITTER, R = RECEIVER		(1) 1"	IN MILLWORK/ UNDER TABLE	(1) STP	2,4,8,11.
CHD	DUAL HDMI TRANSMITTER, WALL PLATE	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
UDU	HDMI AND USB TRANSMITTER, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
CAL	2-WAY INTERCOMMUNICATION PUSHBUTTON STATION	D1	(1) 3/4"	SWITCH HEIGHT	AS NOTED	2,7,10.
CSA	CLASSROOM SOUND AMPLIFICATION SYSTEM	D2	(1) 1 1/4" (1) 1"	IN MILLWORK/ AS NOTED		2,3.
CI	CREWCOM HEADSET INPUT, WALL PLATE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
CS	CREWCOM WALL STATION, WALL PLATE	D3	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
IR IB	INFRARED SENSOR, WALL/CEILING	D1	(1) 3/4"	AS NOTED	(1) UTP OR (1) BUS	2,6,11.
ALS ALG	ASSISTIVE LISTENING SYSTEM ANTENNA/EMITTER, WALL/CEILING	A1	(1) 1"	AS NOTED	AS NOTED	2,6.
AT AT	AV ANTENNA, WALL/CEILING	D1	(1) 1"	AS NOTED	(1) AT	2,6.
V	VOLUME CONTROL	D1	(1) 1"	SWITCH HEIGHT	(1) S16	2,4.
SV	VOLUME CONTROL WITH SOURCE SELECTOR	D2	(1) 1"	SWITCH HEIGHT	(1) S16 (1) UTP	2,4,9,11.
TPT	TOUCH PANEL, TABLE TOP		(1) 1"	AS NOTED	(1) UTP	
TP1 TP2 TP3 TP4	TOUCH PANEL, WALL MOUNTED, REFER TO SPECIFICATIONS FOR TOUCH PANEL TYPE AND ORIENTATION	SCH	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,5,11.
KP1 KP2 KP3	KEYPAD, WALL MOUNTED, REFER TO SPECIFICATIONS FOR KEYPAD TYPE	SCH	(1) 1"	SWITCH HEIGHT	(1) BUS or (1) UTP	2,4,10.
RS1 RS5	ROOM SCHEDULING TOUCHPANEL	SCH	(1) 1"	SWITCH HEIGHT	(1) STP	
TB1 TB2	TABLE/FURNITURE BOX, NUMBER REFERS TO TYPE REFER TO SPECIFICATIONS/DIAGRAMS FOR REQUIREMENTS			IN MILLWORK	SEE DIAGRAMS.	
	LOUDSPEAKER, WALL MOUNTED	C#	(1) 3/4"	AS NOTED	(1) S16	2,4.
	LOUDSPEAKER, ARRAY, CABINET, CLUSTER	A0	(1) 3/4"	AS NOTED	(1) S12	2,4.
	LOUDSPEAKER, CEILING RECESSED OR PENDANT	C#	(1) 3/4"	CEILING	(1) S16	2,7.
SB1	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	D1	(1) 1"	UNDER DISPLAY OR AS NOTED		1,5.
SB1	DISPLAY, REFER TO SPECIFICATIONS FOR DISPLAY TYPE AND SIZE	PER SCH	(1) 1 1/4" (1) 1"	AS NOTED	AS NOTED	4,13.
SC1 SC2	PROJECTION SCREEN REFER TO SPECIFICATIONS FOR SCREEN TYPE AND SIZE	(2) A0	(1) 3/4"	CEILING OR WALL	(1) UTP	2,7.
P#	PROJECTOR	D2	(1) 1 1/4"	CEILING OR AS NOTED	AS NOTED	2,6.
	AV CAMERA	C#	(1) 1"	AS NOTED	AS NOTED	1.
	EQUIPMENT CABINET/RACK	C#	SCH	AS NOTED		
CLG	EQUIPMENT CEILING RACK	C#	SCH	AS NOTED		
	EQUIPMENT 2-POST CABINET/RACK	C#	SCH	AS NOTED		
GP1 GP1	PASS THROUGH PLATE, # = NUMBER OF GANGS	D#	(1) 1-1/2"	AS NOTED		2.
J	JUNCTION BOX, ABOVE ACCESSIBLE CEILING	A0	AS NOTED	AS NOTED		
C##	CUSTOM JUNCTION BOX, REFER TO SCHEDULE AND DIAGRAM FOR EQUIPMENT, JUNCTION BOX AND CONDUIT	SCH	SCH	AS NOTED	AS NOTED	
FB	FLOOR BOX - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		AS NOTED		AS NOTED	
PT	POKE THRU - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		(1) 1 1/2"		AS NOTED	
	CONDUIT RUN CONCEALED IN WALL OR CEILING		AS NOTED			
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		AS NOTED			
	CONDUIT UP		AS NOTED			
	CONDUIT DOWN		AS NOTED			
	CONDUIT STUB LOCATION		AS NOTED			
	CONDUIT/CIRCUIT CONTINUATION		AS NOTED			
####	DEVICE/EQUIPMENT TYPE CALLOUT					
## A##	ELEVATION VIEW TAG (# = VIEW NUMBER, ## = SHEET NUMBER)					
## A##	DIAGRAM CALLOUT TAG					

LOW VOLTAGE SCOPE OF WORK

NOTES:...
1. RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE...
2. ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.
3. INSTALLER PROVIDING THE SYSTEM CABLING SHALL PROVIDE THE CABLING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.
4. INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.
5. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LEGEND

AC	ACCESS CONTROL CONTRACTOR
AV	AUDIOVISUAL CONTRACTOR
DC	DOOR HARDWARE CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FR	FURNITURE CONTRACTOR
GC	GENERAL CONTRACTOR
IC	INTRUSTION DETECTION CONTRACTOR
LVC	LOW VOLTAGE CONTRACTOR
NIC	DATA CABLING CONTRACTOR
OWNER	NOT IN CONTRACT
SC	OWNER
SPEC	VIDEO SURVEILLANCE CONTRACTOR SEE SPECIFICATIONS

DESCRIPTION	FURNISHED BY	INSTALLED BY
GENERAL		
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT	GC	GC
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)	EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.	EC	EC
TEST	TS	TS
AUDIOVISUAL BOXES/DEVICES		
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)	AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	AV	AV
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES	AV	AV
FURNITURE BOX TABLE CUTTING	GC	GC
CONDUIT/WIRE		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL	LVC	LVC
COAXIAL CABLE	LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINATED IN PATCH PANELS WITHIN THE ER/MDF/TR/IDF)	AV	AV
EQUIPMENT		
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	AV	AV
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER	EC	EC
NETWORK SWITCHES WITHIN THE ER/MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO	OWNER	OWNER
PROJECTOR/MONITORS		
VIDEO PROJECTOR	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING	AV	AV
FLAT PANEL MONITOR MOUNTS	AV	AV
FLAT PANEL MONITORS	OWNER	AV
VIDEO PROJECTOR MOUNTS	AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)	GC	GC
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER	AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS	OWNER	AV
ACCESS CONTROL SYSTEM CONDUIT & WIRING		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC.	EC	EC
CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
TERMINATING AND TESTING THE CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
ACCESS CONTROL CABLING	AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLING	AC	AC
ACCESS CONTROL SYSTEM EQUIPMENT		
ACCESS CONTROL SERVER	OWNER	OWNER
ACCESS CONTROL OPERATING SOFTWARE	AC	AC
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)	AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)	AC	AC
RECHARGEABLE BACKUP BATTERIES	AC	AC
ACCESS CONTROL END DEVICES (E.G., CREDENTAIL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DURESS/ PANIC BUTTONS, SCHOOL LOCKDOWN CREDENTIAL CARD READER OR BUTTON, ETC.)	AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE EQUIPMENT (E.G., ELECTRIC STRIKES, ELECTRIFIED LOCKSETS, ELECTRIFIED EXIT RIM DEVICE (CRASH BARS), ELECTROMAGNETIC LOCKS, ELECTRIC POWER TRANSFER/ELECTRIC HINDGE, ETC.)	DC	DC
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE EQUIPMENT	AC	AC
CREDENTIALS (E.G. CARDS, FOBS, TAGS, MOBILE CREDENTIALS)	AC	AC
BADGE PRINTER FOR CREDENTIAL CARDS.	AC	AC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (E.G., EXTERIOR DOOR STATIONS, ANSWERING BASE STATIONS, SDXC MEMORY CARDS, IP LICENSES, ETC).	AC	AC
EXTERIOR PEDESTALS AND ENCLOSURES	NIC	NIC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G., NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	OWNER	OWNER
UNINTERRUPTIBLE POWER SUPPLY (UPS) WITH POWER SURGE & SUPPRESSION EQUIPMENT FOR THE ACCESS CONTROL SYSTEM EQUIPMENT , THE ELECTRIFIED DOOR HARDWARE EQUIPMENT, AND THE IP VIDEO SURVEILLANCE EQUIPMENT.	AC	AC
(UPS) UNINTERRUPTIBLE POWER SUPPLY, SURGE PROTECTORS, POWER SURGE & SUPPRESSION EQUIPMENT.	NIC	NIC
IP VIDEO SURVEILLANCE SYSTEM CONDUIT & WIRING		
ROUGH-IN: CONDUIT WITH PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC.	EC	EC
CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
TERMINATING AND TESTING THE CATEGORY AND FIBER OPTIC CABLING	LVC	LVC
IP VIDEO SURVEILLANCE SYSTEM EQUIPMENT		
(NVR) NETWORK VIDEO RECORDER SERVER	OWNER	OWNER
(VMS) VIDEO MANAGEMENT SYSTEM OPERATING SOFTWARE	OWNER	OWNER
VIDEO ANALYTIC SOFTWARE AND LICENSING	OWNER	OWNER
IP SURVEILLANCE CAMERA SOFTWARE LICENSES	OWNER	OWNER
IP SURVEILLANCE CAMERAS	SC	SC
IP SURVEILLANCE CAMERA MOUNTS AND MOUNTING HARDWARE EQUIPMENT	SC	SC
AUDIO MICROPHONE FOR IP SURVEILLANCE CAMERA	SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS	SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, MEDIA CONVERTERS, POE INJECTORS, POWER SUPPLIES	SC	SC
IN-LINE CATEGORY CABLE SURGE PROTECTORS	SC	SC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (E.G., COMPUTER SERVERS, MONITORS, KEYBOARDS, MOUSE, SPEAKERS, ETC.)	OWNER	OWNER
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, ETC.)	OWNER	OWNER
TELEPHONE / DATA BOXES/DEVICES		
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	EC	EC
CONDUIT/WIRE		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE	LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING	LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TR/ER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES	LVC	LVC
EQUIPMENT		
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	LVC	LVC
WIRELESS ACCESS POINTS	OWNER	OWNER
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)	LVC	LVC
DATA SWITCHES, SERVERS, FIREWALL, ETC	OWNER	OWNER

AUDIOVISUAL GENERAL NOTES

1. THIS SHEET SET SHOWS WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED PROVISIONS WITH THE PROJECT AV SYSTEMS INTEGRATOR PRIOR TO INSTALLATION OF AV SYSTEM ROUGH-IN. WHERE CONDUIT AND JUNCTION BOX PROVISIONS ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS, NOTIFY THE AV CONSULTANT IN WRITING OF THE REQUIREMENTS. WHERE MINOR MODIFICATIONS TO PROVISIONS ARE REQUIRED, THEY SHALL BE MADE AT NO ADDITIONAL COST AS A MATTER OF JOB COORDINATION.
3. BIDDERS SHALL THOROUGHLY ACQUAINT AND EXAMINE THE EXISTING PROJECT CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. INCLUDING THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. BIDDERS SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM AND BRING ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS TO THE AV CONSULTANTS ATTENTION BEFORE SUBMITTING BID.
4. AV SYSTEMS INTEGRATOR SHALL PROVI

PROJECTOR SCREEN SCHEDULE

TYPE	IMAGE SIZE (lx) IN INCHES					BOTTOM OF IMAGE AFF	CASE DIMENSIONS (Cx) IN INCHES			WEIGHT	OPERATION	PROJECTION ORIENTATION	CONTROL TYPE	MOUNTING TYPE	NOTES
	DIAGONAL	HEIGHT	WIDTH	ASPECT RATIO	BLACK DROP LENGTH		LENGTH	WIDTH	DEPTH						
SC1	226	120"	192"	16:10	12"	66	217 1/4"	7 1/4"	7 1/4"	216 LBS	MOTORIZED, 120V	REAR	AV SYSTEM, RELAY, RS-232	CEILING, RECESSED	

AV FLAT PANEL MONITOR SCHEDULE

TYPE	IMAGE SIZE (lx) IN INCHES			MONITOR DIMENSIONS (Cx) IN INCHES			WEIGHT	CONTROL TYPE	NOTES
	DIAGONAL	HEIGHT	WIDTH	HEIGHT	WIDTH	DEPTH			
D55	55	27 1/16"	47 15/16"	27 7/8"	48 5/8"	2 1/2"	31 LBS	RS-232, IP	OFCI
D60	65	32"	56 5/8"	32 7/8"	57 5/16"	2 1/2"	60 LBS	RS-232, IP	OFCI
D65	65	32"	56 5/8"	32 7/8"	57 5/16"	2 1/2"	60 LBS	RS-232, IP	OFCI
D75	75	36 15/16"	65 5/16"	37 7/8"	66 1/4"	2 1/2"	85 LBS	RS-232, IP	OFCI
D85	85	41 13/16"	74 1/16"	42 11/16"	74 15/16"	2 1/2"	103 LBS	RS-232, IP	TYPICAL CLASSROOM DISPLAYS (OFCI)

AV CUSTOM BACK BOX SCHEDULE

TYPE	MANUFACTURER	MODEL	BOX DIMENSIONS (Cx) IN INCHES			CONDUIT'S	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
			HEIGHT	WIDTH	DEPTH				
C02	HUBBELL	HBL260	4 3/16"	2 1/8"	2 1/8"	(2) 1-1/2"; (1) 1-1/4"; (1) 1"	RECESSED	HORIZONTAL	
C03	HUBBELL	HBL260	4 3/16"	2 1/8"	2 1/8"	(1) 3/4"; (1) 1"; (1) 1-1/4"; (1) 1-1/2"	RECESSED	HORIZONTAL	
KP2	HUBBELL	HBL263	4 1/8"	2 1/8"	2 1/8"	PER SCH.	RECESSED	HORIZONTAL	
TC8	HOFFMAN	ASE SERIES	4 3/8"	2 5/8"	2 1/8"	PER SCH.	RECESSED	HORIZONTAL	
TP7	HUBBELL	HBL263	4 3/16"	4 1/16"	4"	PER SCH.		HORIZONTAL	

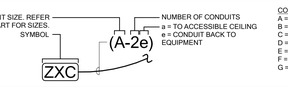
AV EQUIPMENT RACK SCHEDULE

TYPE	DIMENSIONS			RU's	JUNCTION BOX	MOUNTING TYPE	NOTES
	HEIGHT	WIDTH	DEPTH				
R2	65 3/8"	22"	30"	35	C03	WALL	WALL MOUNTED EQUIPMENT RACK, HEIGHT INDICATED IS FROM BOTTOM OF RACK
R3	24"	24"	6"	4		CEILING	COORDINATE WITH CEILING INTEGRATORS ON EXACT LOCATION PRIOR TO ROUGH-IN.

AV LOUDSPEAKER SCHEDULE

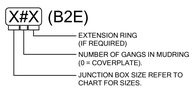
TYPE	DIMENSIONS				SHAPE	WEIGHT	INSTALLATION	NOTES
	WIDTH (H)	WIDTH (V)	DIAMETER	DEPTH				
C4	12"	24"	12"	3"	SQUARE	4.7 LBS	RECESSED	TYPICAL CLASSROOM LOUDSPEAKERS
C7	12"	24"	12"	3"	SQUARE	4.7 LBS	RECESSED	LOUDSPEAKERS DEDICATED TO MUSIC ROOM
P5	0"	0"	12 5/16"	13"	ROUND	11.5 LBS	PENDENT	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE
P6	0"	0"	12 5/16"	13"	ROUND	11.5 LBS	PENDENT	MOUNT PENDANT SO THAT IS LEVEL WITH STRUCTURAL TRUSSES
P8	0"	0"	13 1/8"	13 5/8"	ROUND	16.7 LBS	PENDENT	MOUNT PENDANT SO THAT IS LEVEL WITH STRUCTURAL TRUSSES

CONDUIT SCHEDULE LEGEND:



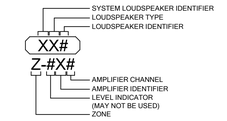
CONDUIT SIZE CHART
A = 3/4" CONDUIT
B = 1" CONDUIT
C = 1-1/4" CONDUIT
D = 1-1/2" CONDUIT
E = 2" CONDUIT
F = 3" CONDUIT
G = 4" CONDUIT

ROUGH-IN JUNCTION BOX LEGEND:



JUNCTION BOX SIZE
A = 4" SQ. 2-1/8" DEEP JUNCTION BOX
B = 4-11/16" SQ. JUNCTION BOX
C = CUSTOM JUNCTION BOX, SEE SCHEDULE FOR SIZE
D = HUBBELL - HBL260/HBL985

LOUDSPEAKER LEGEND:



LOUDSPEAKER TYPES
A = ARRAY, CABINET, CLUSTER
C = CEILING RECESSED
P = PENDANT MOUNTED
R = WALL RECESSED
S = CEILING SURFACE MOUNTED
W = WALL SURFACE MOUNTED

SYSTEM LOUDSPEAKER IDENTIFIER
BLANK = SYSTEM SPECIFIC
I = INTERCOM SYSTEM
SM = SOUND MASKING SYSTEM

FLAT PANEL MONITOR LEGEND:

NOTES:
* HEIGHT INDICATED IS THE MAX HEIGHT, MOUNT SHALL ADJUST DOWN

MOUNT TYPES
F = FLAT MOUNT
T = TILT MOUNT
E = EXTENSION MOUNT
S = ARTICULATING MOUNT
H = ADJUSTABLE HEIGHT MOUNT*

MONITOR TYPES
D = TYPICAL COMMERCIAL GRADE
L = DIRECT VIEW LED PRODUCT
R = RESIDENTIAL GRADE
S = INTERACTIVE COMMERCIAL GRADE
V = VIDEO WALL (SLIM BEZEL)

FLAT PANEL SPECIAL NOTES
CLG = CEILING (POLE) MOUNTED
D = DIGITAL SIGNAGE
P = PORTRAIT ORIENTATION
R = RECESSED

SIGNAL FLOW LEGEND:

NOTES:
* = REMOTE POWER

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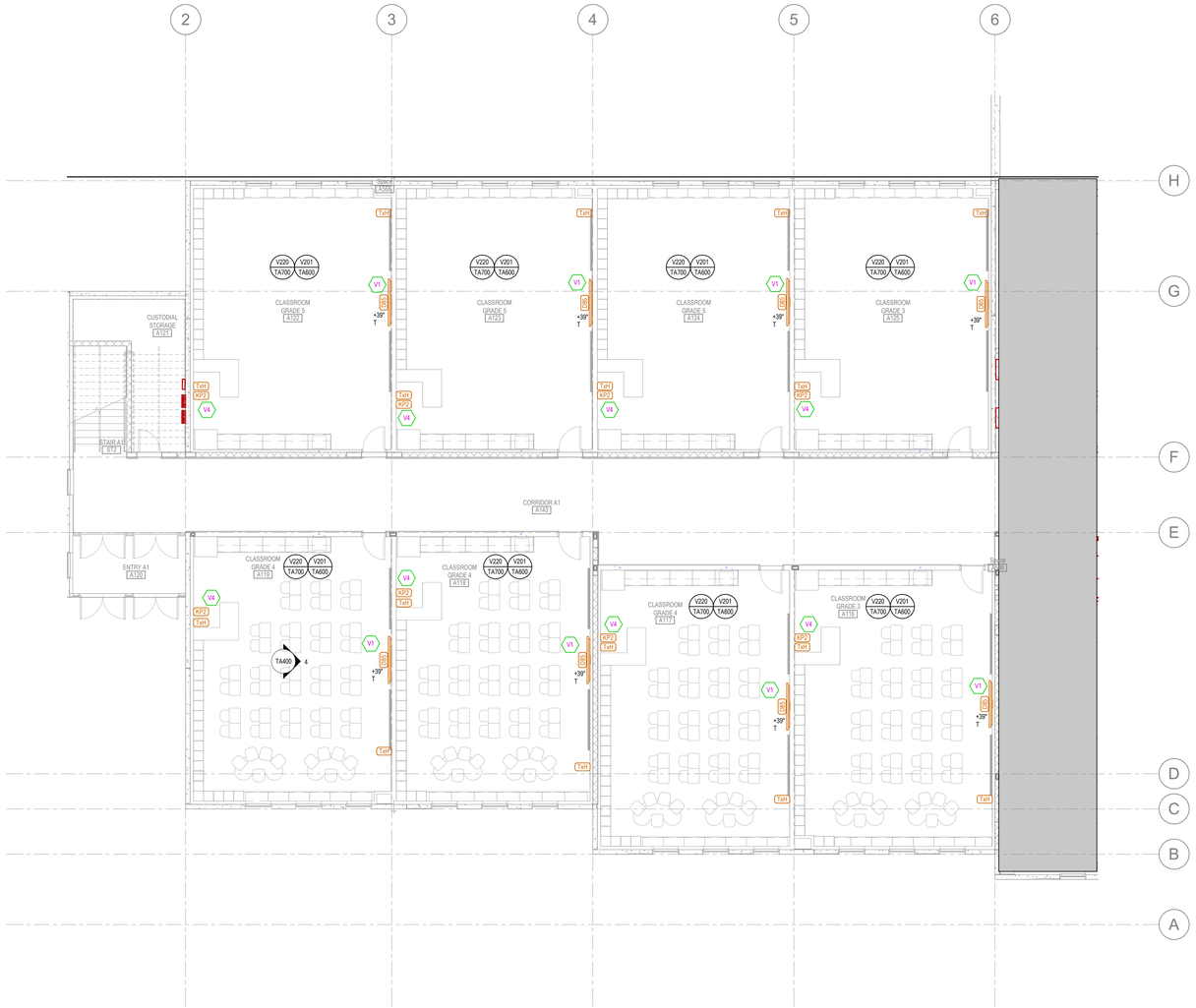
AUDIOVISUAL SCHEDULES

TA101

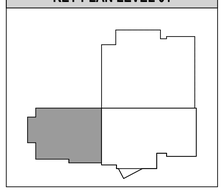
SHEET KEYNOTES

V1	LOCATE PROXIMITY COMPONENT STORAGE PANEL BEHIND DISPLAY AND ENSURE IT IS HIDDEN. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V4	COORDINATE DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO SHEET E332 FOR EXACT LOCATIONS.



MAIN LEVEL AUDIOVISUAL PLAN - AREA A
SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



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PROFESSIONAL ENGINEER
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STATE OF UTAH

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MAIN LEVEL AUDIOVISUAL PLAN - AREA A

TA111

SHEET KEYNOTES

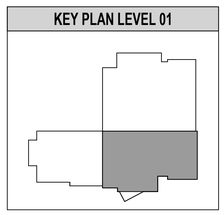
V1	LOCATE PROXIMITY COMPONENT STORAGE PANEL BEHIND DISPLAY AND ENSURE IT IS HIDDEN. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V4	COORDINATE DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO SHEET E332 FOR EXACT LOCATIONS.



MAIN LEVEL AUDIOVISUAL PLAN - AREA B

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



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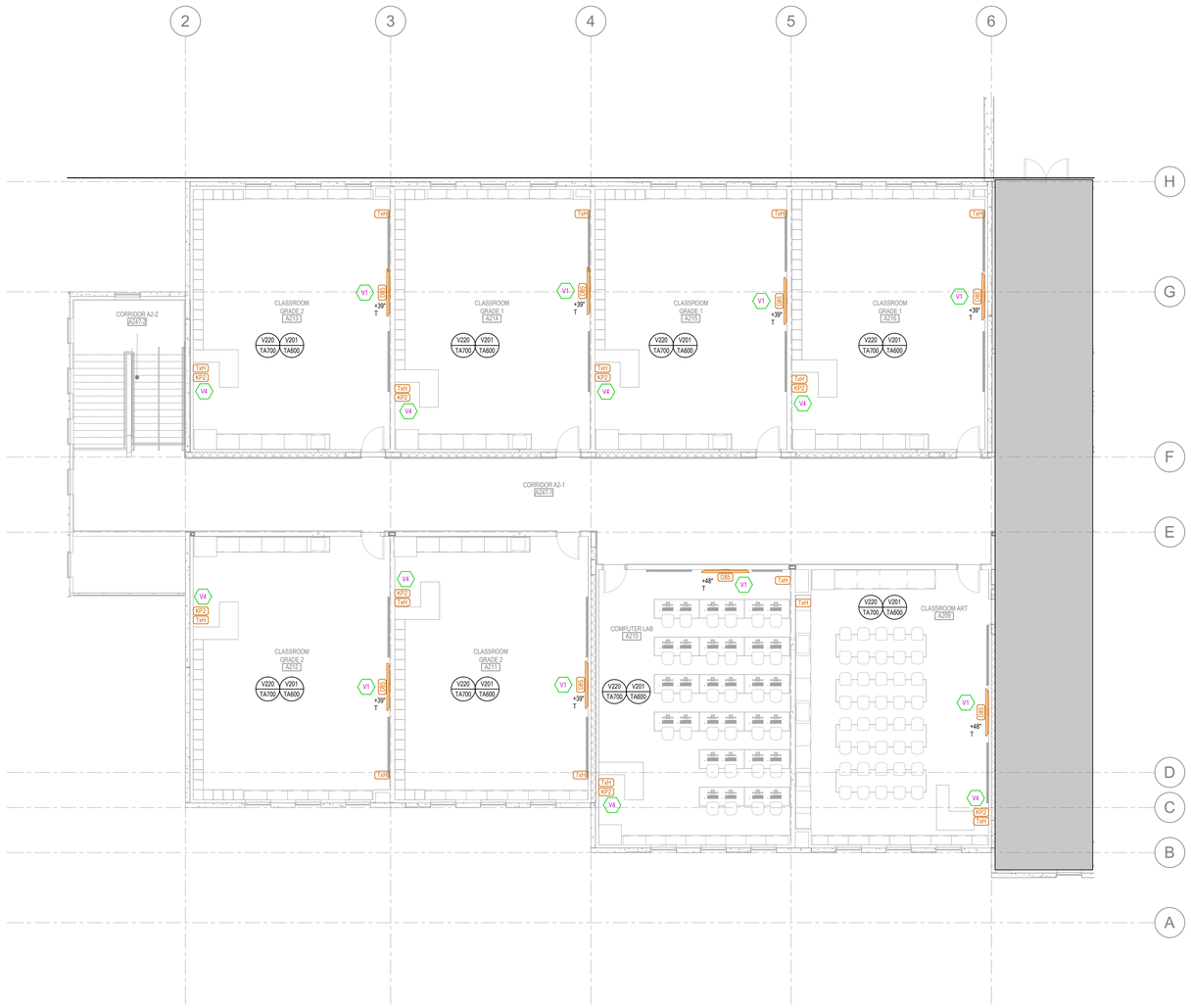
MAIN LEVEL AUDIOVISUAL PLAN - AREA B

TA112

SHEET KEYNOTES

V1	LOCATE PROXIMITY COMPONENT STORAGE PANEL BEHIND DISPLAY AND ENSURE IT IS HIDDEN. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V4	COORDINATE DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO SHEET E332 FOR EXACT LOCATIONS.


2
3
4
5
6
H
G
F
E
D
C
B
A
CORRIDOR A2-2
A2173
CLASSROOM GRADE 2 A213
CLASSROOM GRADE 1 A214
CLASSROOM GRADE 1 A215
CLASSROOM GRADE 1 A216
CLASSROOM GRADE 2 A212
CLASSROOM GRADE 2 A211
CORRIDOR A2-1
A2171
COMPUTER LAB A210
CLASSROOM ART A209
V220 TA700
V201 TA600
V1
V4
+39" T
+48" T
1x1
KP2
1x4
KP3
1x5
KP4
1x6
KP5
1x3
KP1
1x1
KP2
1x1
KP2
1x1
KP2

SHEET KEYNOTES

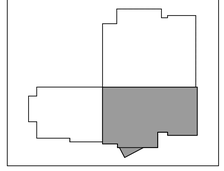
V1	LOCATE PROXIMITY COMPONENT STORAGE PANEL BEHIND DISPLAY AND ENSURE IT IS HIDDEN. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V2	AV INTEGRATOR SHALL MOUNT PROJECTOR ON SHELF BUILD BY GC. COORDINATE WITH EC FOR POWER AND DATA PRIOR TO ROUGH-IN.
V4	COORDINATE DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO SHEET E332 FOR EXACT LOCATIONS.
V5	ALIGN DEVICES VERTICALLY AND ORTHOGONALLY. COORDINATE WITH ELECTRICAL PLANS FOR DEVICES, AND WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V6	ENSURE EACH WIRELESS MICROPHONE ANTENNA IS INSTALLED A MINIMUM 12'-0" APART. ALL CABLING SHALL BE CONCEALED AND ALL PENETRATIONS THROUGH WALLS SHALL BE SEALED. CONDUIT AND SLEEVES FOR CABLING SHALL ALLOW CABLING TO MOVE FREELY FOR FUTURE MAINTENANCE OR REPLACEMENTS.
V8	PROVIDE POLYCARBONATE AND LOCKABLE PROTECTIVE COVER FOR TOUCH PANEL AND BLUETOOTH DEVICES.



SECOND LEVEL AUDIOVISUAL PLAN - AREA B

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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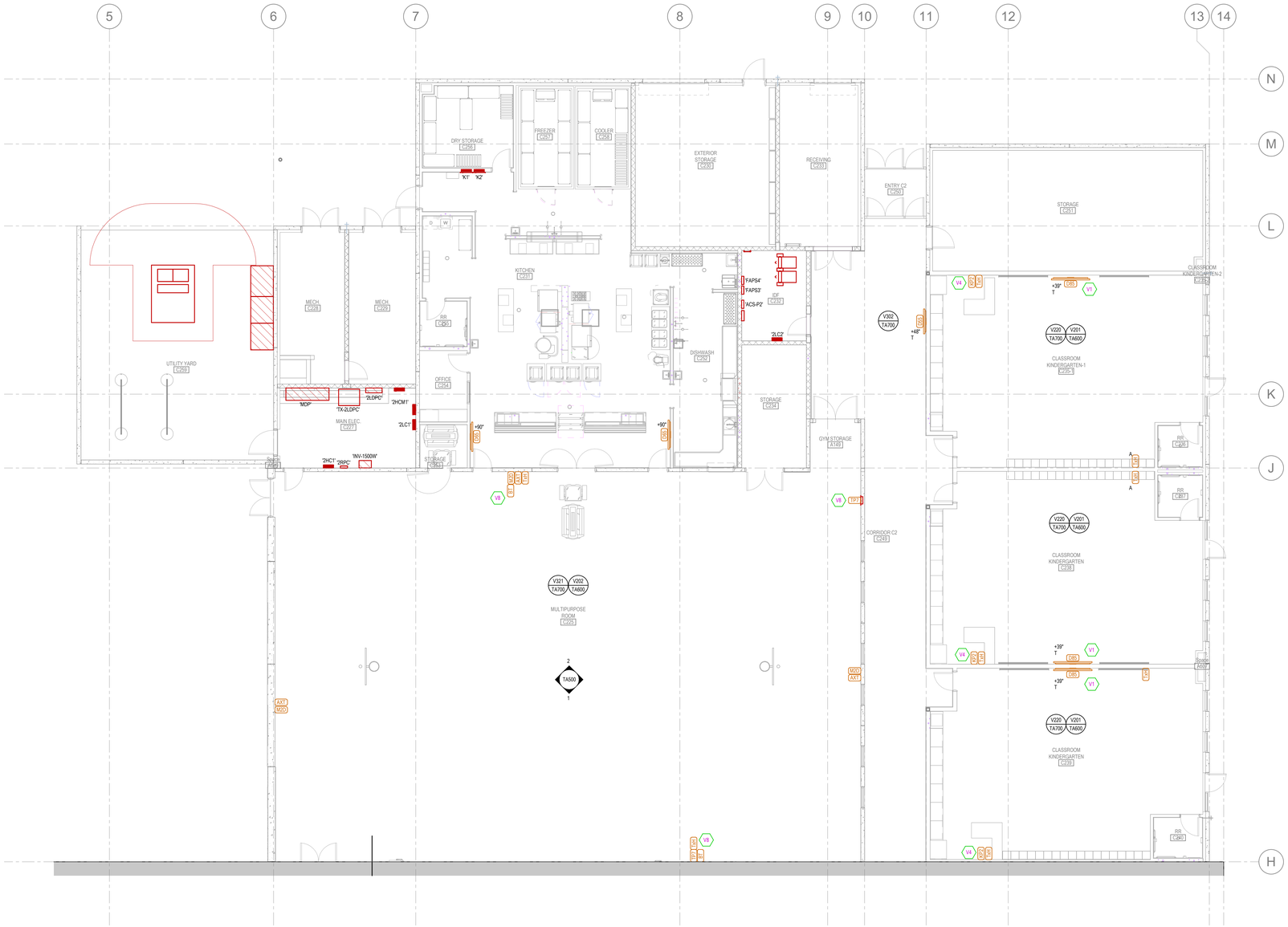
SECOND LEVEL AUDIOVISUAL PLAN - AREA B

TA122

SHEET KEYNOTES

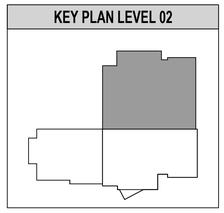
V1	LOCATE PROXIMITY COMPONENT STORAGE PANEL BEHIND DISPLAY AND ENSURE IT IS HIDDEN. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
V4	COORDINATE DEVICE LOCATIONS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO SHEET E332 FOR EXACT LOCATIONS.
V8	PROVIDE POLYCARBONATE AND LOCKABLE PROTECTIVE COVER FOR TOUCH PANEL AND BLUETOOTH DEVICES.



SECOND LEVEL AUDIOVISUAL PLAN - AREA C

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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SECOND LEVEL AUDIOVISUAL PLAN - AREA C

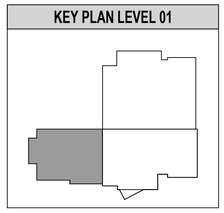
TA123

SHEET KEYNOTES



MAIN LEVEL AUDIOVISUAL RCP - AREA A
SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



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MAIN LEVEL AUDIOVISUAL RCP - AREA A

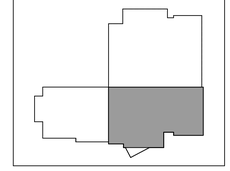
TA211

SHEET KEYNOTES



MAIN LEVEL AUDIOVISUAL RCP - AREA B
SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 01



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MAIN LEVEL AUDIOVISUAL RCP - AREA B

TA212

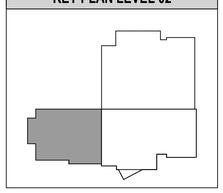
SHEET KEYNOTES



SECOND LEVEL AUDIOVISUAL RCP - AREA A

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
25/2025
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No. 7709037-2202
STATE OF UTAH

DATE REVISION

SECOND LEVEL AUDIOVISUAL RCP - AREA A

TA221

SHEET KEYNOTES

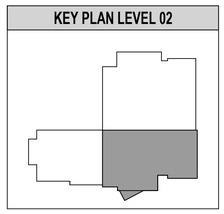
V3	BOTTOM OF LOUDSPEAKERS SHALL BE LOCATED ABOVE THE FINISHED CEILING. COORDINATE WITH CEILING INTEGRATOR PRIOR TO ROUGH IN.



SECOND LEVEL AUDIOVISUAL RCP - AREA B

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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SECOND LEVEL AUDIOVISUAL RCP - AREA B

TA222

SHEET KEYNOTES

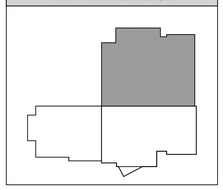
V7	PENDANT LOUDSPEAKERS SHALL BE INSTALLED WITH BOTTOM OF LOUDSPEAKER LEVEL WITH BOTTOM OF TRUSSES.



SECOND LEVEL AUDIOVISUAL RCP - AREA C

SCALE = 1/8" = 1'-0"

KEY PLAN LEVEL 02



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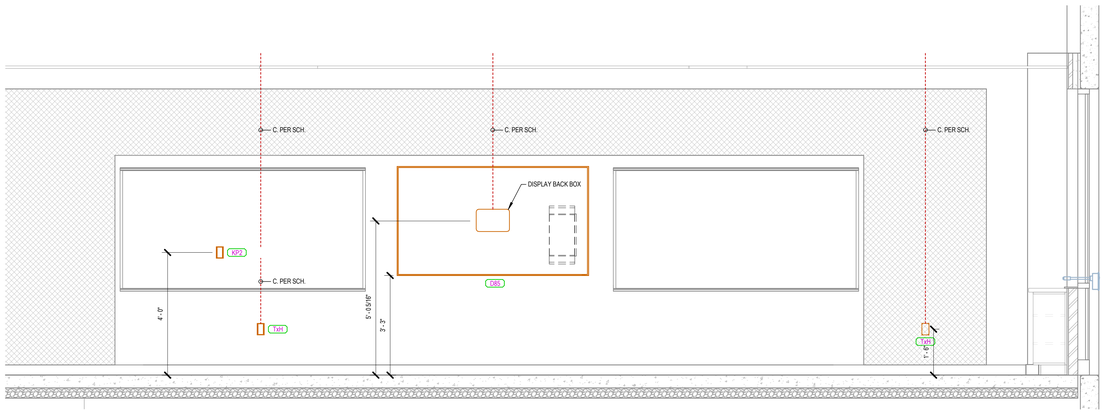
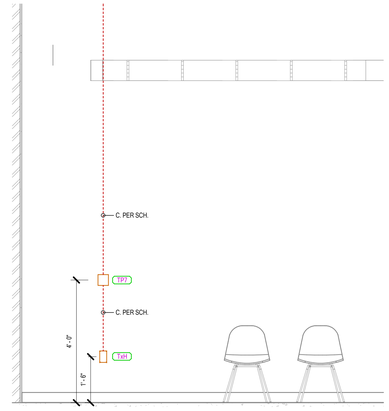
SECOND LEVEL AUDIOVISUAL RCP - AREA C

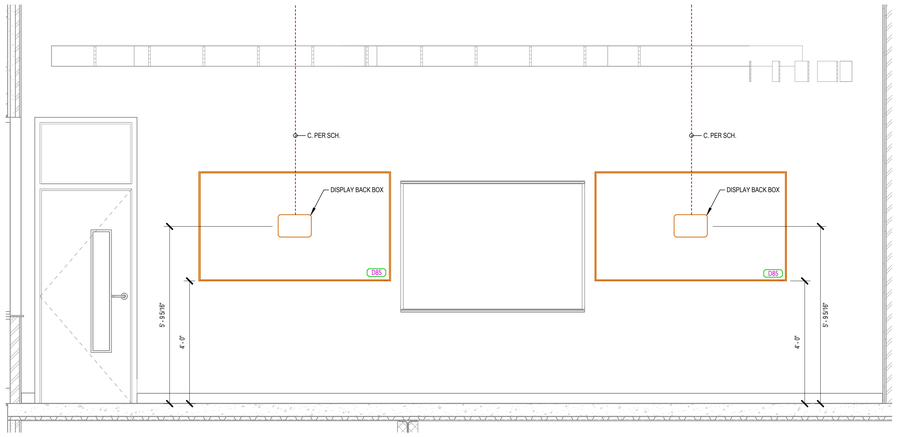
TA223



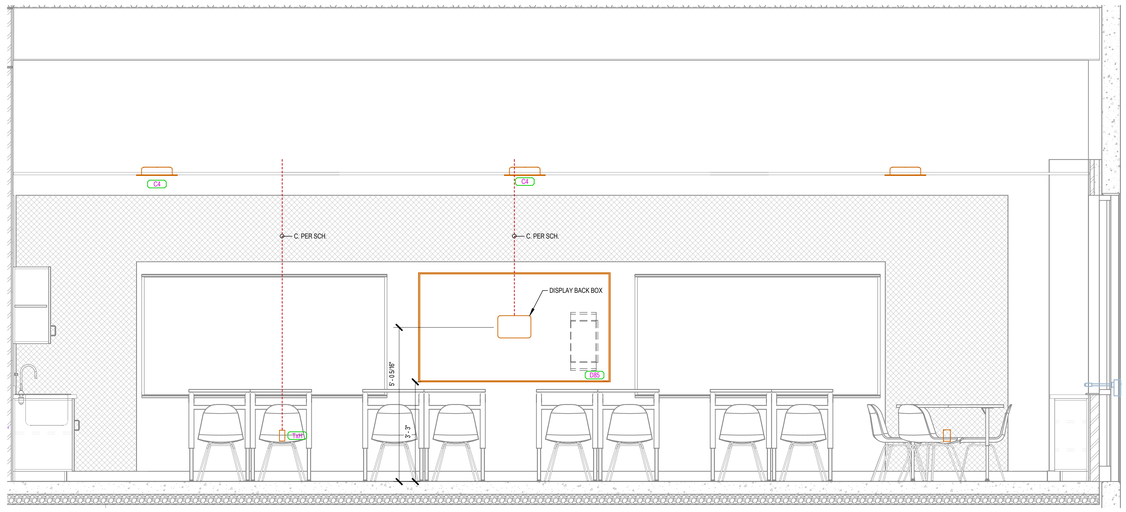
1 TYPICAL CLASSROOM AV ELEVATION
SCALE = 1/2" = 1'-0"



2 MEDIA CENTER B203 EAST ELEVATION
SCALE = 1/2" = 1'-0"



3 MEDIA CENTER B203 NORTH ELEVATION
SCALE = 1/2" = 1'-0"



4 CLASSROOM GRADE 3 B115 ELEVATION
SCALE = 1/2" = 1'-0"

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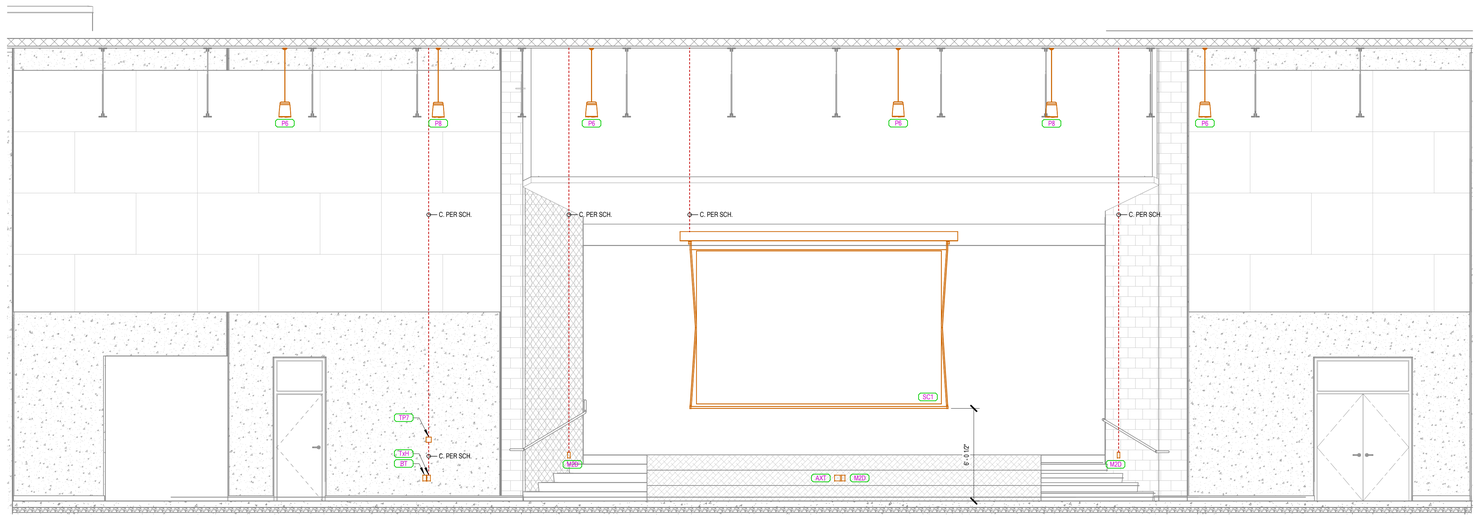
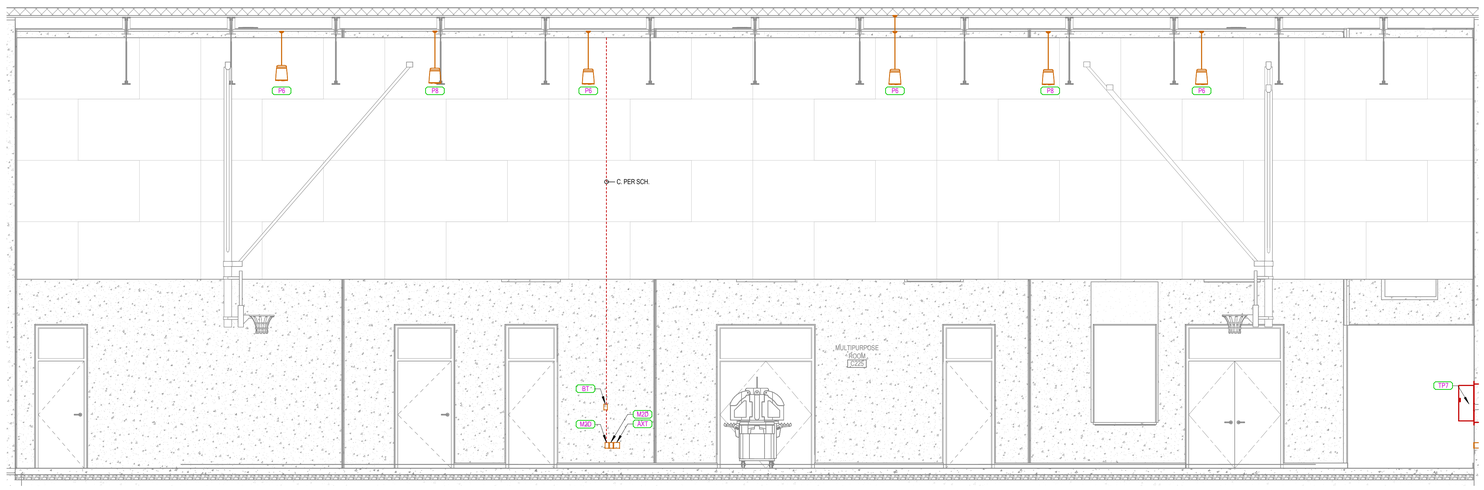
AUDIOVISUAL ELEVATIONS

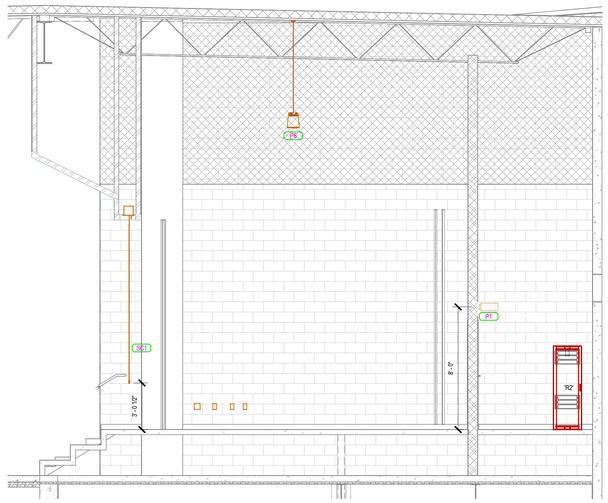
TA400



1 MULTIPURPOSE ROOM ELEVATION VIEW
SCALE = 1/4" = 1'-0"



2 MULTIPURPOSE ROOM ELEVATION VIEW.
SCALE = 1/4" = 1'-0"



3 STAGE ELEVATION VIEW
SCALE = 1/4" = 1'-0"

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AUDIOVISUAL ELEVATIONS

TA500



DIAGRAM V209 AUDIOVISUAL EQUIPMENT RACK ELEVATIONS
NTS

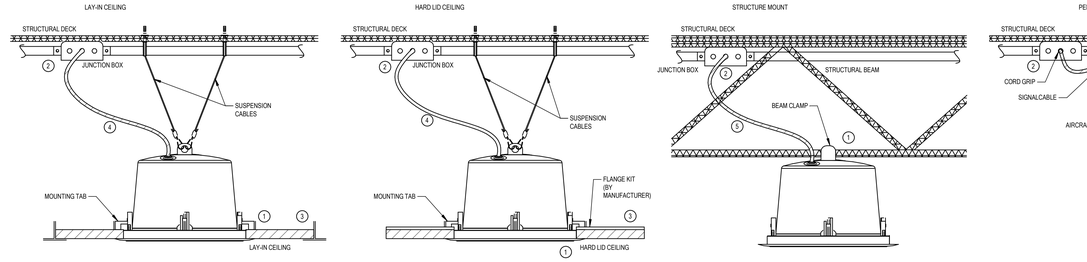

DIAGRAM V010 TYPICAL CEILING LOUDSPEAKER INSTALLATION METHODS
NTS

DIAGRAM KEY NOTES:

1. AV CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINAL MOUNTING METHOD AND REQUIRED MOUNTING ACCESSORIES BASED ON CEILING TYPE AND INSTALLATION REQUIREMENTS.
2. POSITION JUNCTION BOX OVER LOUDSPEAKER LOCATION SHOWN. INSTALL WITH BLANK COVER FACING DOWNWARD. REFER TO SPECIFICATIONS AND DRAWINGS FOR PATHWAY REQUIREMENTS.
3. PROVIDE TILE BRIDGE FOR LAY-IN TILE INSTALLATION. PROVIDE SECONDARY SEISMIC SUPPORT HARDWARE FROM STRUCTURE ABOVE (AS REQUIRED PER AHJ).
4. PROVIDE 1/2" FLEXIBLE CONDUIT AS REQUIRED PER INSTALLATION. FLEXIBLE CONDUIT AND/OR CABLING SHALL NOT DIP BELOW THE LOUDSPEAKER BUT ALLOW ENOUGH CABLE FOR THE LOUDSPEAKER TO BE REPLACED.
5. PROVIDE CABLE GRIP IN JUNCTION BOX WHERE CABLING EXITS. CABLING SHALL BE NEATLY SECURED, OUT OF SITE, TO THE LOUDSPEAKER.
6. PROVIDE SEISMIC SUSPENSION CABLES LONG ENOUGH TO PROVIDE ACCESS TO THE MOUNTING POINT PRIOR TO THE LOUDSPEAKER INSTALLATION. SEISMIC SAFETY CABLES SHALL PREVENT THE LOUDSPEAKER FROM FALLING TO THE FLOOR.

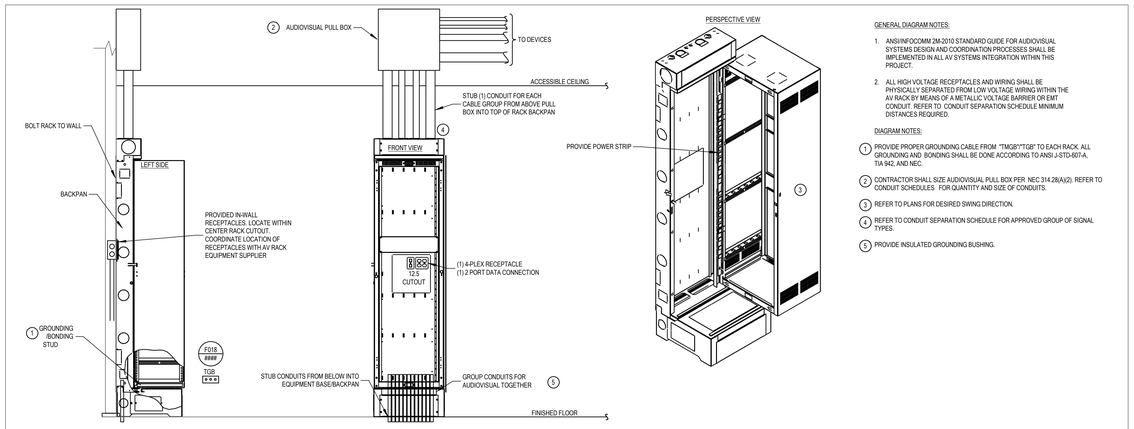

DIAGRAM V020 AUDIOVISUAL EQUIPMENT RACK AND CONDUIT ROUGH-IN
NTS

GENERAL DIAGRAM NOTES:

1. ANSI/INFOCOMM 2M-2010 STANDARD GUIDE FOR AUDIOVISUAL SYSTEMS DESIGN AND COORDINATION PROCESSES SHALL BE IMPLEMENTED IN ALL AV SYSTEMS INTEGRATION WITHIN THIS PROJECT.
2. ALL HIGH VOLTAGE RECEPTACLES AND WIRING SHALL BE PHYSICALLY SEPARATED FROM LOW VOLTAGE WIRING WITHIN THE AV RACK BY MEANS OF A METALLIC VOLTAGE BARRIER OR EMT CONDUIT. REFER TO CONDUIT SEPARATION SCHEDULE MINIMUM DISTANCES REQUIRED.

DIAGRAM NOTES:

1. PROVIDE PROPER GROUNDING CABLE FROM "TMGB"/"TGB" TO EACH RACK. ALL GROUNDING AND BONDING SHALL BE DONE ACCORDING TO ANSI J-STD-607-A, TIA 942, AND NEC.
2. CONTRACTOR SHALL SIZE AUDIOVISUAL PULL BOX PER NEC 314.28(A)(2). REFER TO CONDUIT SCHEDULES FOR QUANTITY AND SIZE OF CONDUITS.
3. REFER TO PLANS FOR DESIRED SWING DIRECTION.
4. REFER TO CONDUIT SEPARATION SCHEDULE FOR APPROVED GROUP OF SIGNAL TYPES.
5. PROVIDE INSULATED GROUNDING BUSHING.

DIAGRAM NOTES:

1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ROUGH-IN INFORMATION.
2. CENTER DISPLAY/SCREEN OVER FLAT PANEL DISPLAY WALL BOX. REFER TO SPECIFICATIONS FOR MAKE AND MODEL OF FLAT PANEL DISPLAY WALL BOX.
3. DEVICES SHOWN IN THIS DIAGRAM MIGHT NOT BE REQUIRED. REFER TO PLANS FOR DEVICES INSTALLED IN WALL BOX.
4. REFER TO FLOOR PLANS FOR CONDUIT REQUIREMENTS. PROVIDE ONE SPARE 1" CONDUIT FROM WALL BOX TO ACCESSIBLE CEILING IF NO CONDUITS ARE SHOWN ON FLOOR PLANS.

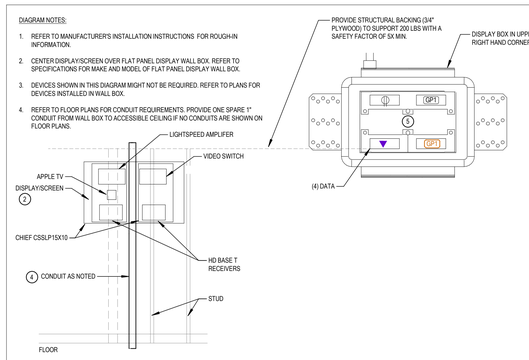

DIAGRAM V022 TYPICAL CLASSROM DISPLAY WALL
NTS

DIAGRAM NOTES:

1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ROUGH-IN INFORMATION.
2. CENTER DISPLAY/SCREEN OVER FLAT PANEL DISPLAY WALL BOX. REFER TO SPECIFICATIONS FOR MAKE AND MODEL OF FLAT PANEL DISPLAY WALL BOX.
3. DEVICES SHOWN IN THIS DIAGRAM MIGHT NOT BE REQUIRED. REFER TO PLANS FOR DEVICES INSTALLED IN WALL BOX.
4. REFER TO FLOOR PLANS FOR CONDUIT REQUIREMENTS. PROVIDE ONE SPARE 1" CONDUIT FROM WALL BOX TO ACCESSIBLE CEILING IF NO CONDUITS ARE SHOWN ON FLOOR PLANS.

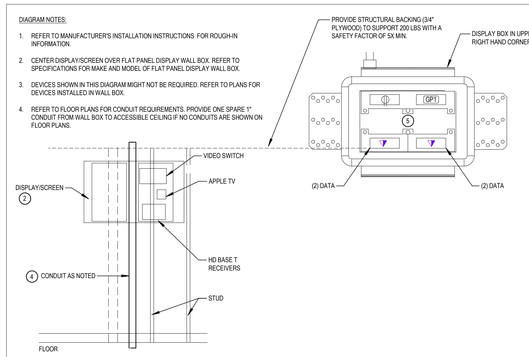

DIAGRAM V024 TYPICAL CONFERENCE DISPLAY WALL
NTS

DIAGRAM NOTES:

1. LOCATED BEHIND DISPLAY
2. CONDUIT SHALL BE RUN POINT-TO-POINT BETWEEN EQUIPMENT RACK AND DISPLAY PASS THRU AS SHOWN. PROVIDE PULL STRING IN CONDUIT AND TETHER AT EACH TERMINATING JUNCTION BOX END.
3. EQ = HARD PATHWAY TO EQUIPMENT; CLG = TO ACCESSIBLE CEILING THEN TYPICALLY FREE AIRED WITH DJ-HOOKS TO DEVICE LOCATION.

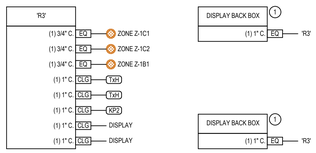

DIAGRAM V203 MEDIA CENTER CONDUIT RISER
NTS

DIAGRAM NOTES:

1. LOCATED BEHIND DISPLAY
2. CONDUIT SHALL BE RUN POINT-TO-POINT FROM EQUIPMENT RACK 'R2' AS SHOWN. PROVIDE PULL STRING IN CONDUIT AND TETHER AT EACH TERMINATING JUNCTION BOX END.
3. EQ = HARD PATHWAY TO EQUIPMENT; CLG = TO ACCESSIBLE CEILING THEN TYPICALLY FREE-AIRED WITH J-HOOKS TO DEVICE LOCATION.

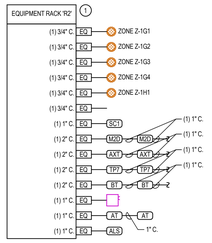

DIAGRAM V202 MULTIPURPOSE ROOM CONDUIT RISER
NTS

DIAGRAM NOTES:

1. LOCATED BEHIND DISPLAY

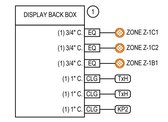

DIAGRAM V201 TYPICAL CLASSROOM CONDUIT RISER
NTS

DIAGRAM NOTES:

1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ROUGH-IN INFORMATION.
2. CENTER DISPLAY/SCREEN OVER FLAT PANEL DISPLAY WALL BOX. REFER TO SPECIFICATIONS FOR MAKE AND MODEL OF FLAT PANEL DISPLAY WALL BOX.
3. DEVICES SHOWN IN THIS DIAGRAM MIGHT NOT BE REQUIRED. REFER TO PLANS FOR DEVICES INSTALLED IN WALL BOX.
4. REFER TO FLOOR PLANS FOR CONDUIT REQUIREMENTS. PROVIDE ONE SPARE 1" CONDUIT FROM WALL BOX TO ACCESSIBLE CEILING IF NO CONDUITS ARE SHOWN ON FLOOR PLANS.

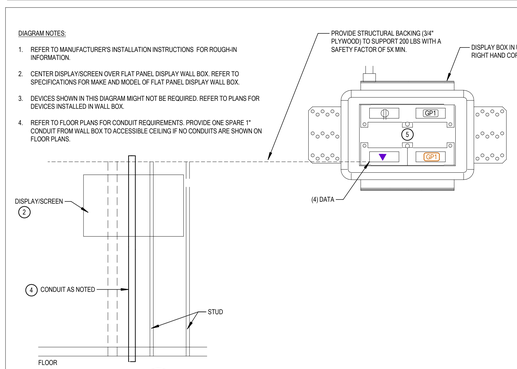

DIAGRAM V023 TYPICAL DISPLAY WALL
NTS

DIAGRAM NOTES:

1. LOCATED BEHIND DISPLAY

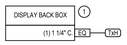

DIAGRAM V205 TYPICAL OFFICE CONDUIT RISER
NTS

DIAGRAM NOTES:

1. LOCATED BEHIND DISPLAY

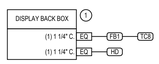

DIAGRAM V204 TYPICAL CONFERENCE ROOM CONDUIT RISER
NTS

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PROFESSIONAL ENGINEER BRIAN HICKS 7350823-2202 STATE OF UTAH

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AUDIOVISUAL ROUGH IN DIAGRAMS

TA600

DIAGRAM NOTES: #

1. SECURE DEVICE BEHIND DISPLAY.

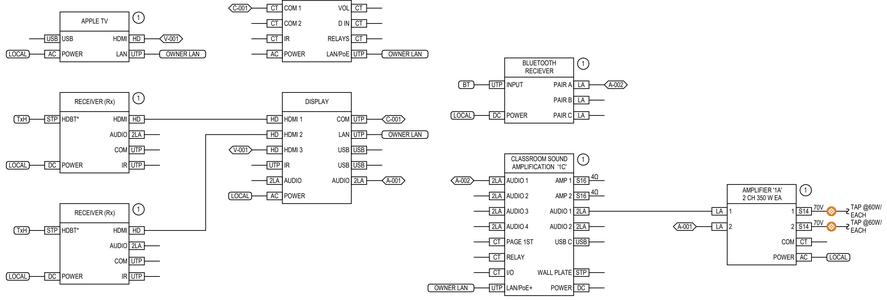

DIAGRAM V305 MUSIC ROOM AUDIOVISUAL SIGNAL FLOW

NTS

GENERAL DIAGRAM NOTES:

A. INTEGRATOR IS RESPONSIBLE TO ENSURE COMPLETE FUNCTIONALITY OF INTERCOM SYSTEMS IN ALL OCCUPIED AREAS OF THE SCHOOL THROUGHOUT ALL ZONES OF CONSTRUCTION. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED. AT SERVICE LOOPS MAINTAIN PROPER BEND RADIUS ON ALL CABLE.
B. PROVIDE (1) PAGING MODULE FOR EACH CORRIDOR THAT WILL REQUIRE A SEPARATE ZONE. REFER TO DRAWINGS AND SPECIFICATIONS FOR ZONE DESIGNATION.
C. MULTIPLE ZONES SHALL NOT SHARE A SINGLE AMPLIFIER CHANNEL OR IP MODULE.
D. AMPLIFIER REFERENCES SHOWN ON PLANS ARE INTENDED TO SHOW ZONING INFORMATION NOT MULTI-CHANNEL AMPLIFIER REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFIER REQUIREMENTS.
E. REFER TO FLOOR PLANS FOR QUANTITY OF CLASSROOMS REQUIRING CLASSROOM MODULE CONNECTIONS.
F. EXTERIOR LOUDSPEAKERS SHALL EACH BE HOME RUN BACK TO THE AMPLIFIER CHANNEL FOR THEIR ZONE. LABEL AND CONNECT THE ZONES AS INDICATED ON PLANS.

DIAGRAM NOTES: #

1. PROVIDE (1) RELAY FROM INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM. PROGRAM THIS RELAY TO TRIGGER A PREVENTATIVE LOCK DOWN. WHICH LOCKS THE OFFICE ENTRANCES. COORDINATE EXACT TERMINATION AND PROGRAMMING REQUIREMENTS WITH ACCESS CONTROL INSTALLER.
2. CONFIRM EXACT LOCATION OF DEVICE(S) WITH OWNER. REFER TO E SERIES SHEETS FOR LOCATION OF DATA CONNECTIONS.
3. REFER TO CLASSROOM SIGNAL FLOWS FOR ADDITIONAL REQUIREMENTS.
4. AMPLIFIERS ARE SHOWN FOR REFERENCE ONLY. COORDINATE WITH THE PLANS FOR ZONE REQUIREMENTS.
5. LOCATE NETWORK SWITCH(ES) IN THE ER/TR (MDF/IDF) FOR THE AREA REQUIRING DEVICE CONNECTION(S). NETWORK SWITCH(ES) WILL USE THE OWNERS BACKBONE FOR SIGNAL ROUTING BETWEEN EACH OTHER. REFER TO SPECIFICATIONS FOR NETWORK COORDINATION AND ADDITIONAL REQUIREMENTS.
6. ROOM SPECIFIC REQUIREMENT. REFER TO FLOOR PLANS FOR LOCATION AND REQUIREMENTS. ZONES UNDER 3 LOUDSPEAKERS MAY USE THE IP MODULES BUILT IN AMPLIFIER. ZONES WITH 3 AND MORE WILL REQUIRE AN ADDITIONAL AMPLIFIER.
7. EACH ZONE WILL REQUIRE AN UNIQUE IP MODULE TO COVER THAT ZONE. COMBINING IP MODULES FOR MULTIPLE ZONES IS NOT ALLOWED.

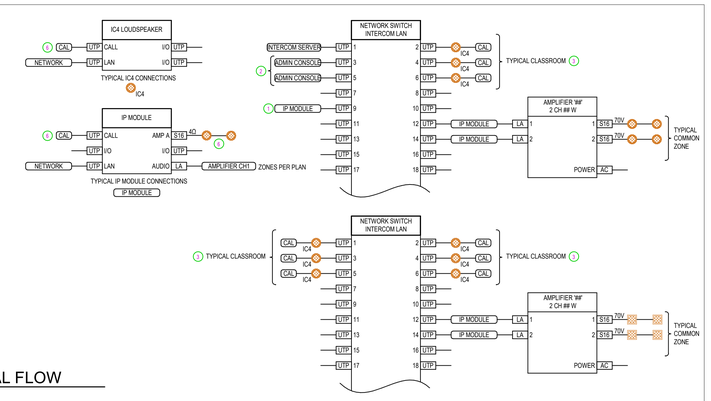

DIAGRAM V350 IP INTERCOM SYSTEM SIGNAL FLOW

NTS

DIAGRAM NOTES: #

1. LOCATE DEVICE IN EQUIPMENT RACK 'R2'.

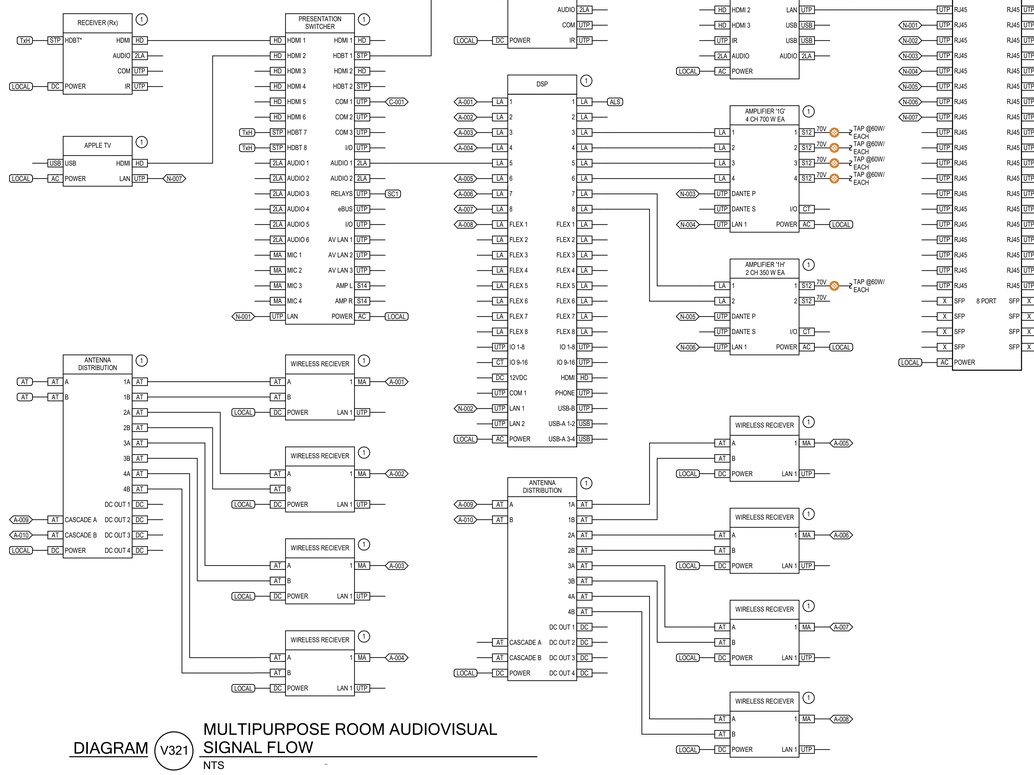

DIAGRAM V321 MULTIPURPOSE ROOM AUDIOVISUAL SIGNAL FLOW

NTS

DIAGRAM NOTES: #

1. INSTALL IN RACK 'R3'.
2. DEVICE LOCATED BEHIND DISPLAY.
3. PROVIDE A LINE-LEVEL EXTENDER BETWEEN CSA AND VIDEO SWITCH

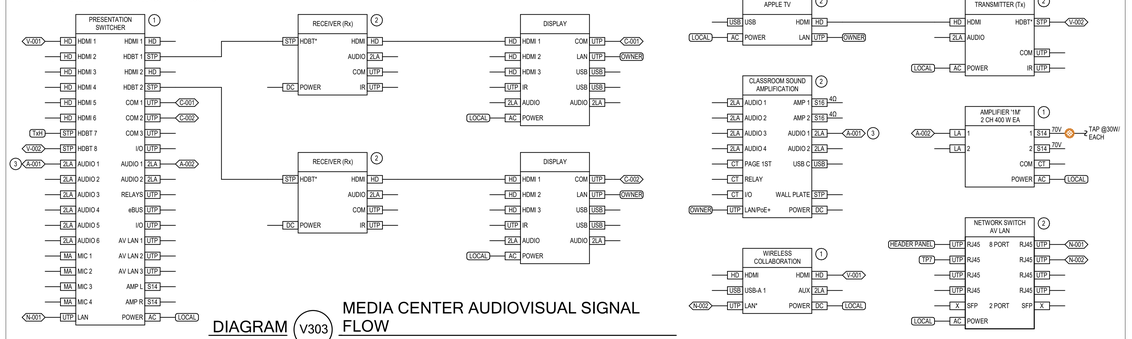

DIAGRAM V303 MEDIA CENTER AUDIOVISUAL SIGNAL FLOW

NTS

DIAGRAM NOTES: #

1. SECURE DEVICE BEHIND DISPLAY.
2. AMPLIFIER '1B' IS SHOWN FOR CLASSROOMS WITH MORE THAN (4) LOUDSPEAKERS.

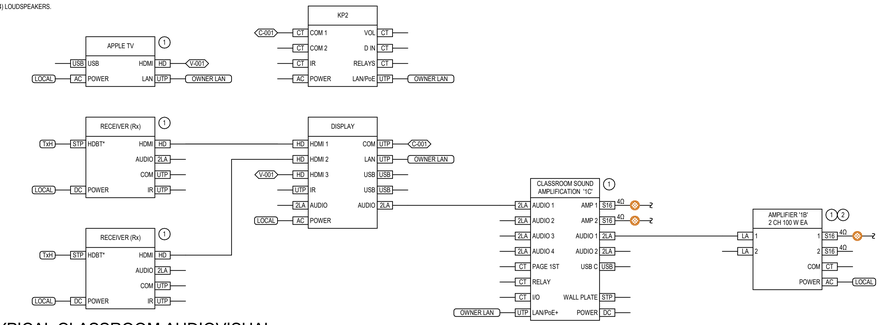

DIAGRAM V220 TYPICAL CLASSROOM AUDIOVISUAL SIGNAL FLOW

NTS

DIAGRAM NOTES:

1. REFER TO FLOOR PLANS FOR DISPLAY INFORMATION AND MOUNTING HEIGHTS.
2. REFER TO FLOOR PLAN FOR LOCATION OF DEVICE.
3. DEVICE TO BE CONTROLLED USING HOT PLUG ON HDMI CABLE. DISPLAY SHALL TURN ON ONCE IT DETECTS A SIGNAL FROM THE TRANSMITTER AND TURN OFF AFTER THEIR IS NOT SIGNAL DETECTED FOR 5 MINUTES.
4. INPUT FROM VIDEO SWITCHER/RECEIVER SHALL BE ON INPUT 1 THROUGHOUT THE PROJECT, UNLESS IT IS NEEDED FOR ANOTHER FEATURE.
5. CONNECT MONITOR TO NETWORK WHEN SPARE DATA CONNECTION IS PRESENT. UNLESS OTHERWISE NOTED WITHIN THE CONTRACT DOCUMENTS.
6. SECURE DEVICE BEHIND DISPLAY.

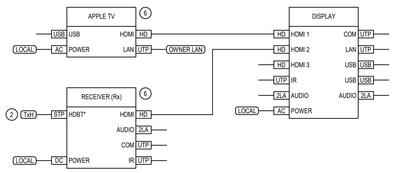

DIAGRAM V300 TYPICAL OFFICE AUDIOVISUAL SIGNAL FLOW

NTS

DIAGRAM NOTES: #

1. CONNECT MONITOR TO NETWORK WHEN SPARE DATA CONNECTION IS PRESENT. UNLESS OTHERWISE NOTED WITHIN THE CONTRACT DOCUMENTS.
2. PROVIDE POWER AND DATA CONNECTION FOR OFCI DEVICE.

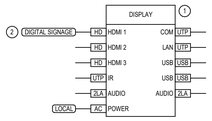

DIAGRAM V302 DIGITAL SIGNAGE AUDIOISUAL SIGNAL FLOW

NTS

DIAGRAM NOTES:

1. DEVICE LOCATED BEHIND DISPLAY.
2. SECURE DEVICE TO UNDERSIDE OF CONFERENCE TABLE.
3. REFER TO 'F81' CONNECTORS FOR CABLE TYPES.
4. ALL AUDIO SHALL COME THROUGH SOUND BAR. NONE OF THE AUDIO, UNLESS LOCALLY INPUTTED, SHOULD ISSUE THROUGH DISPLAY.
5. SOUNDBAR SHALL BE MOUNTED DIRECTLY BELOW THE DISPLAY.

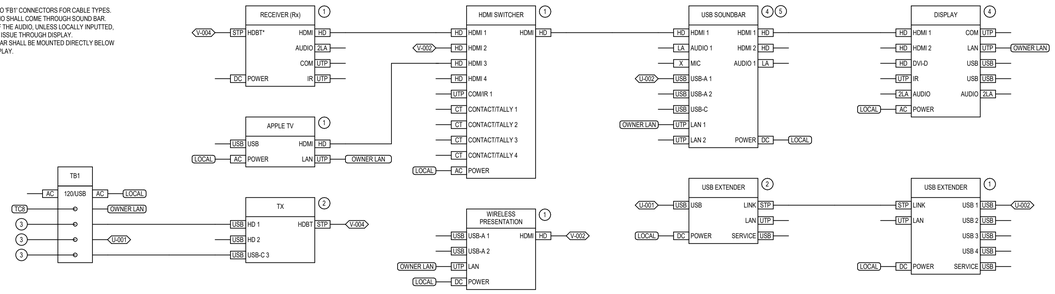

DIAGRAM V210 CONFERENCE ROOM AUDIOVISUAL SIGNAL FLOW

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DRAWING ISSUE	BID SET
ISSUE DATE	02/25/2025
NWL PROJECT	U119.002

DATE REVISION

AUDIOVISUAL SIGNAL FLOW DIAGRAMS

TA700

DIAGRAM NOTES:

1. SECURE DEVICE BEHIND DISPLAY.
2. MOUNT WALL PLATE AT 36" AFF.

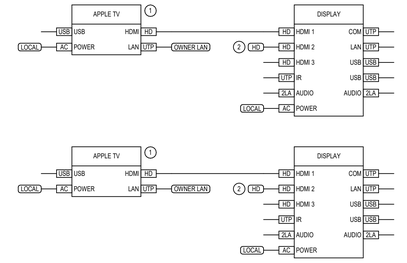

DIAGRAM V301 TYPICAL RESOURCE & OFFICE AUDIOVISUAL SIGNAL FLOW

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AUDIOVISUAL SIGNAL FLOW DIAGRAMS

TA701



MAIN LEVEL INTERCOM RCP
SCALE = 1" = 10'-0"

GENERAL INTERCOM SHEET NOTES

1. ALL NETWORK LINES SHALL BE YELLOW WITH YELLOW KEYSTONES ON SEPARATE PUNCH PANELS.
2. THE INTERCOM SYSTEM SHALL BE ON A DIFFERENT NETWORK. COORDINATE WITH OWNER.

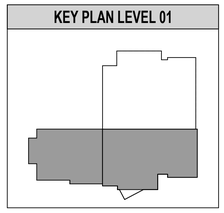
SHEET KEYNOTES

V5 ALIGN DEVICES VERTICALLY AND ORTHOGONALLY. COORDINATE WITH ELECTRICAL PLANS FOR DEVICES, AND WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

V6 ENSURE EACH WIRELESS MICROPHONE ANTENNA IS INSTALLED A MINIMUM 12'-0" APART. ALL CABLING SHALL BE CONCEALED AND ALL PENETRATIONS THROUGH WALLS SHALL BE SEALED. CONDUIT AND SLEEVES FOR CABLING SHALL ALLOW CABLING TO MOVE FREELY FOR FUTURE MAINTENANCE OR REPLACEMENTS.

V7 PENDANT LOUDSPEAKERS SHALL BE INSTALLED WITH BOTTOM OF LOUDSPEAKER LEVEL WITH BOTTOM OF TRUSSES.

KEY PLAN LEVEL 01



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NWL PROJECT	0119.002

PROFESSIONAL ENGINEER
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STATE OF UTAH

DATE REVISION

MAIN LEVEL INTERCOM PLAN

TI111

GENERAL INTERCOM SHEET NOTES

1. ALL NETWORK LINES SHALL BE YELLOW WITH YELLOW KEYSTONES ON SEPARATE PUNCH PANELS.
2. THE INTERCOM SYSTEM SHALL BE ON A DIFFERENT NETWORK. COORDINATE WITH OWNER.

SHEET KEYNOTES

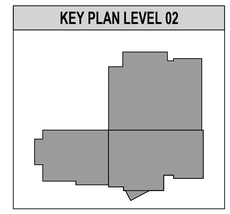
V7 PENDANT LOUDSPEAKERS SHALL BE INSTALLED WITH BOTTOM OF LOUDSPEAKER LEVEL WITH BOTTOM OF TRUSSES.



SECOND LEVEL INTERCOM RCP

SCALE = 1" = 10'-0"

KEY PLAN LEVEL 02



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SECOND LEVEL INTERCOM PLAN

TI121