USU RAY B. WEST RENOVATIONS

BID SET - 03.31.2025

ADD ALTERNATES

ADD ALTERNATE #1:
- HALLWAY - CEILING / LIGHTHING

ADD ALTERNATE #2:
- HALLWAY - CARPET / BASE

owner
utah state university
1295 east 700 north
6605 old main hill,
logan, ut 84322
(435) 797-3771
contact: tom graham
tom.graham@usu.edu

architect
method studio
360 w aspen ave
salt lake city, ut 84101
(801) 532-4422
contact: matt wallace
matt@method-studio.com

mechanical
vbfa
181 east 5600 south
murray, ut 84107
(801) 530-3148
contact: ray d vemon
rvemon@vbfa.com

electrical
spectrum engineers
324 s state st 400
salt lake city, ut 84111
(801) 328-5151
contact: michael cartwright
michael.cartwright@spec-eng.com

north

PROJECT LOCATION MAP

method studio
360 west aspen avenue
salt lake city, utah 84101
801 532 4422

project:
USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

title:
COVER SHEET

sheet:
G000
BID SET

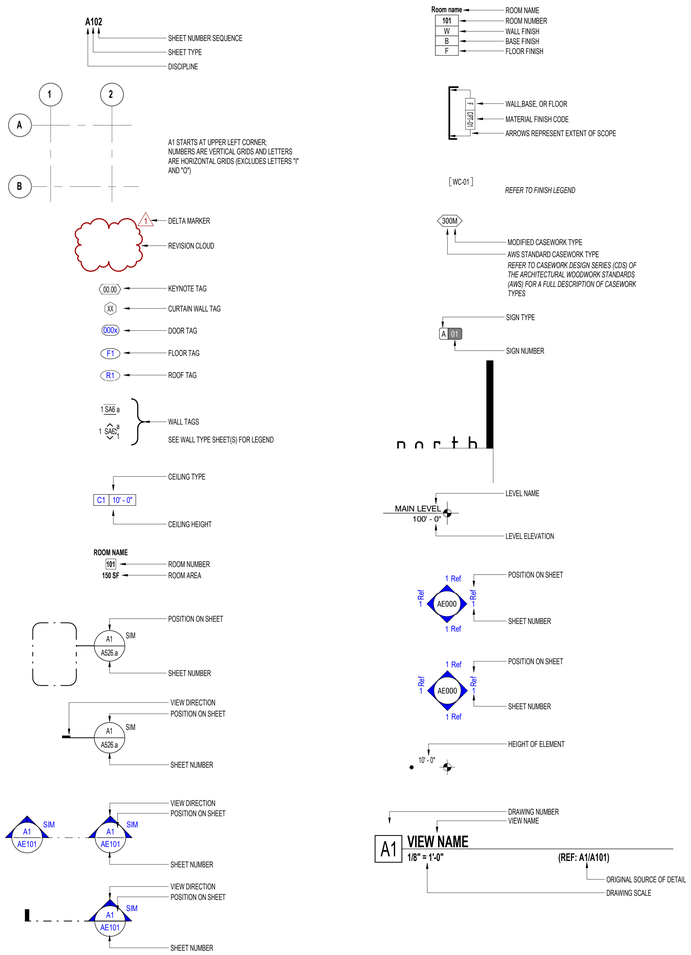
ABBREVIATION SCHEDULE

Abbrev.	Description
0	
#	NUMBER OR POUND
&	AND
2:1 SL	2 HORIZONTAL TO 1 VERTICAL SLOPE
@	AT
[	CHANNEL
±	PLUS MINUS
≤	LESS THAN OR EQUAL TO
≥	GREATER THAN OR EQUAL TO
A	
AB	ANCHOR BOLT
AC	APSHALTIC CONCRETE
ACST	ACOUSTIC
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECTURAL, ARCHITECT, ARCHITECTURE
ASPH	ASPHALT
B	
B	BASELINE
B	BOTTOM
BEJ	BRICK EXPANSION JOINT
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BO	BOARD
BRG	BEARING
BSMT	BASEMENT
C	
C&G	CURB & GUTTER
CAP	CAPACITY
CEM	CEMENT
CG	CORNER GUARD
CIP	CAST IN PLACE, CAST IRON PIPE
CIR	CIRCULATING
CJ	CONTROL JOINT
CL	CENTERLINE
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CSK	COUNTERSUNK
CT	CERAMIC TILE
CTR	CENTER
D	
D	DEPTH
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
E	
E	EAST
E/P	EDGE OF PAVEMENT
EA	EACH
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F	
F.V.	FIELD VERIFY
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FR	FRAME
FTG	FOOTING
FXTR	FIXTURE
G	
G	GROUND
GA	GA
GALV	GALVANIZED
GL	GLASS
GR	GRADE
GRD	GROUND
GWB	GYPSUM WALL BOARD
H	
HB	HOSE BIBB
HC	HANDICAPPED
HDW	HARDWARE
HGT	HEIGHT
HORZ	HORIZONTAL
HR	HOUR
HW	HOT WATER

ABBREVIATION SCHEDULE

Abbrev.	Description
I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INSUL	INSULATION
INT	INTERIOR
INTX	INTERSECTION
INV	INVERT
J	
JB	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT	JOINT
L	
L	ANGLE
L	LENGTH
LC	LENGTH OF CURVE
LDC	LEAD COVERED
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
M	
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTG	MOUNTING
MULL	MULLION
MWP	MEMBRANE WATERPROOFING
N	
N	NORTH
NA	NOT APPLICABLE
NE	NORTHEAST
NEC	NATIONAL ELECTRIC CODE
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NW	NORTHWEST
O	
OA	OUTSIDE AIR
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPP	OPPOSITE
OVHD	OVERHEAD
P	
PI	POINT IF INTERSECTION
PL	PLATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PRELIM	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRTN	PARTITION
PT	POINT, POINT OF TANGENT
Q	
QT	QUARRY TILE
R	
R	RADIUS
RA	RETURN AIR
RB	RESILIENT VINYL BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RECP	RECEPTACLE
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVISION
RF	ROOF
RFLCP	REFLECTIVE CEILING PLAN
RM	ROOM
RVT	RESILIENT VINYL TILE
S	
S	SOUTH
SCH	SCHEDULE
SD	STORM DRAIN
SE	SOUTHEAST
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SL	SLOPE
SPEC	SPECIFICATION
SQ	SQUARE
STL	STEEL
SUSP	SUSPENDED
T	
T	TOP
T&B	TOP AND BOTTOM
TEL	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINAL
THK	THICK/THICKNESS
THRSLD	THRESHOLD
TO	TOP OF
TOS	TOP OF STEEL, TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VCT	VINYL COMPOSITION TILE
VENT	VENTILIATING
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALL COVERING
W	
W	WIDTH, WEST
W	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WIDTH
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X	
X	TRANSFORMER

ARCHITECTURE SYMBOLS

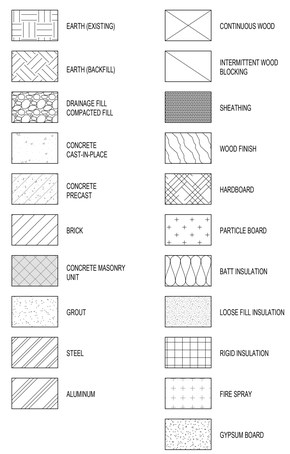


DRAWING INDEX

GENERAL NOTES - MISCELLANEOUS

1. THE PROJECT MANUAL, UNDER SEPARATE COVER, IS AN INTEGRAL PART OF THESE CONSTRUCTION DRAWINGS.
2. PLANS, SECTIONS, ELEVATIONS, DETAILS AND DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO ALL SITUATIONS OCCURRING THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY KEYED ON THE DRAWINGS.
3. ALL WORK, MATERIALS, AND METHODS SHALL BE IN CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION.
4. UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS AS BEING NOT IN CONTRACT (N.I.C.) OR EXISTING, ALL ITEMS, MATERIALS AND INSTALLATION OF SAME ARE PART OF THE CONTRACT AS DEFINED BY THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES, COMPONENTS AND ASSEMBLIES REQUIRED FOR THE WORK DEPICTED OR SPECIFIED.
5. CONTRACTORS ARE RESPONSIBLE FOR ALL WORK REGARDLESS OF THE LOCATION OF THE INFORMATION ON THE DOCUMENTS.
6. KEEP SITE CLEAN AND CLEAR OF DEBRIS AND IN ORDERLY CONDITION THAT DOES NOT DETRACT FROM THE SURROUNDING SITE AND REPAIR ANY DAMAGE CAUSED BY WORK OF THE CONTRACT.
7. ALL DIMENSIONS ARE TO THE FACE OF METAL OR WOOD STUD FRAMED WALLS AND TO THE FACE OF CONCRETE AND MASONRY WALLS AS SHOWN, UNLESS NOTED OTHERWISE.
8. INSTALL SEALANT AT EXTERIOR SIDE OF ALL JOINTS, SEAMS, CONNECTIONS OR OPENINGS WHICH WOULD ALLOW WATER OR AIR INFILTRATION EXCEPT AS NOTED OTHERWISE. SEALANT COLOR TO MATCH ADJACENT SURFACE. COLOR REQUIRES ARCHITECTS APPROVAL.
9. DOOR OPENINGS IN FRAME CONSTRUCTION WHICH ARE NOT DIMENSIONED ARE EITHER CENTERED IN THE WALL, FACE OF JAMB OR LOCATED 4" FROM THE FACE OF STUD TO THE FINISHED JAMB.
10. ALL SPECIAL ACCESSIBLE FACILITIES SHALL BE IDENTIFIED WITH APPROVED SIGNAGE.
11. THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING A WEATHER TIGHT BUILDING, DETAILS AND OMISSIONS TO DRAWINGS NOTWITHSTANDING. ALL DRAWING CONFLICTS WHICH MAY NOT ALLOW A WEATHERTIGHT CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
12. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL SUBMIT SPECIFIC DISCREPANCIES FOR ARCHITECT REVIEW.
13. PROVIDE FULL METAL BACKING PLATE (16 GAUGE X 6" HIGH SECURED TO 3 STUDS MIN.) OR WOOD BLOCKING AS REQUIRED TO SECURELY ANCHOR ALL WALL MOUNTED EQUIPMENT (CABINETS, TOILET ROOM ACCESSORIES, HARDWARE, ETC.). BLOCKING SHALL PROVIDE A RIGID CONNECTION CAPABLE OF SUPPORTING DESIGN LOADS. PROVIDE A 16 GAUGE X 6" STL. STUD/TRACK SECURED TO 2 STUDS TO SECURELY SUPPORT ALL WALL STOPS (DOOR BUMPER).
14. COORDINATE WITH ALL TRADES, SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT. EQUIPMENT PADS OR BASES, AS WELL AS ELECTRIC POWER, WATER, AND DRAIN INSTALLATIONS, BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS FOR PROPER PLACEMENT OF ALL TRADES' WORK. ANY CONCERNS, SPACE LIMITATIONS, OR STRUCTURAL CONFLICTS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. A REASONABLE RESPONSE TIME SHALL BE ALLOWED AS NOTED IN THE SPECIFICATIONS.
15. ALL FLOOR OR WALL OPENINGS REQUIRED FOR PIPES, DUCTS, CONDUITS,ETC. SHALL BE SEALED IN AN APPROVED MANNER.
16. FIRE SPRINKLER DESIGN TO BE DONE BY A CERTIFIED SUB-CONTRACTOR AND WILL REQUIRE APPROVALS BY THE CITY, AND STATE FIRE MARSHALS. APPROVALS BY THE FIRE MARSHAL ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO ARCHITECT. SUBMITTAL TO THE ARCHITECT ALSO INDICATES THAT THE CONTRACTOR HAS REVIEWED AND COORDINATED FIRE-SPRINKLER PIPING LOCATIONS WITH ALL TRADES.
17. ROOMS ENCLOSED WITH RATED WALLS REQUIRE RATED DOORS. ANY DUCTS PASSING THROUGH WALLS REQUIRE FIRE DAMPERS AND OR FIRE/SMOKE DAMPERS. ANY CONDUIT OR PIPING REQUIRES RATED SEALANT AT JOINTS.
18. GENERAL STRUCTURAL NOTES GOVERN TYPICAL CONDITIONS WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND LOCATE ELECTRICAL, DATA, AND PHONE RECEPTACLES, SWITCHES, ETC. TO AVOID CASEWORK, DOORS, ETC.
20. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL AND STRUCTURAL DESIGN CONCEPT. THE DIMENSIONS OF THE BUILDING, THE TYPE OF STRUCTURAL, MECHANICAL,ELECTRICAL, AND UTILITY SYSTEMS AND MAJOR ARCHITECTURAL ELEMENTS OF CONSTRUCTION AS "SCOPE" DOCUMENTS.
21. THE DRAWINGS AND SPECIFICATIONS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE WORK. CONTRACTS SHALL BE LET ON THE BASIS OF SUCH DOCUMENTS, WITH THE UNDERSTANDING THAT THE CONTRACTOR IS TO FURNISH ALL ITEMS REQUIRED FOR PROPER COMPLETION OF THE WORK WITHOUT ADJUSTMENT TO CONTRACT PRICE. IT IS INTENDED THAT THE WORK TO BE OF SOUND AND QUALITY CONSTRUCTION AND THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCLUSION OF ADEQUATE AMOUNTS TO COVER INSTALLATION OF ALL ITEMS INDICATED, DESCRIBED, OR REASONABLY IMPLIED.

MATERIAL LEGEND



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STATE OF UTAH
KELTON REED BERRETT
No. 12128859-0301
ARCHITECT
3.31.2025
LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

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LOGAN, UT 84321

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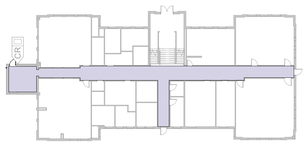
INDEX, GENERAL NOTES, LOCATION MAP, LEGENDS

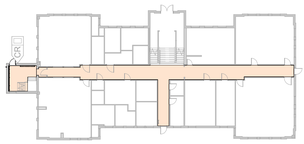
sheet:

G001

BID SET

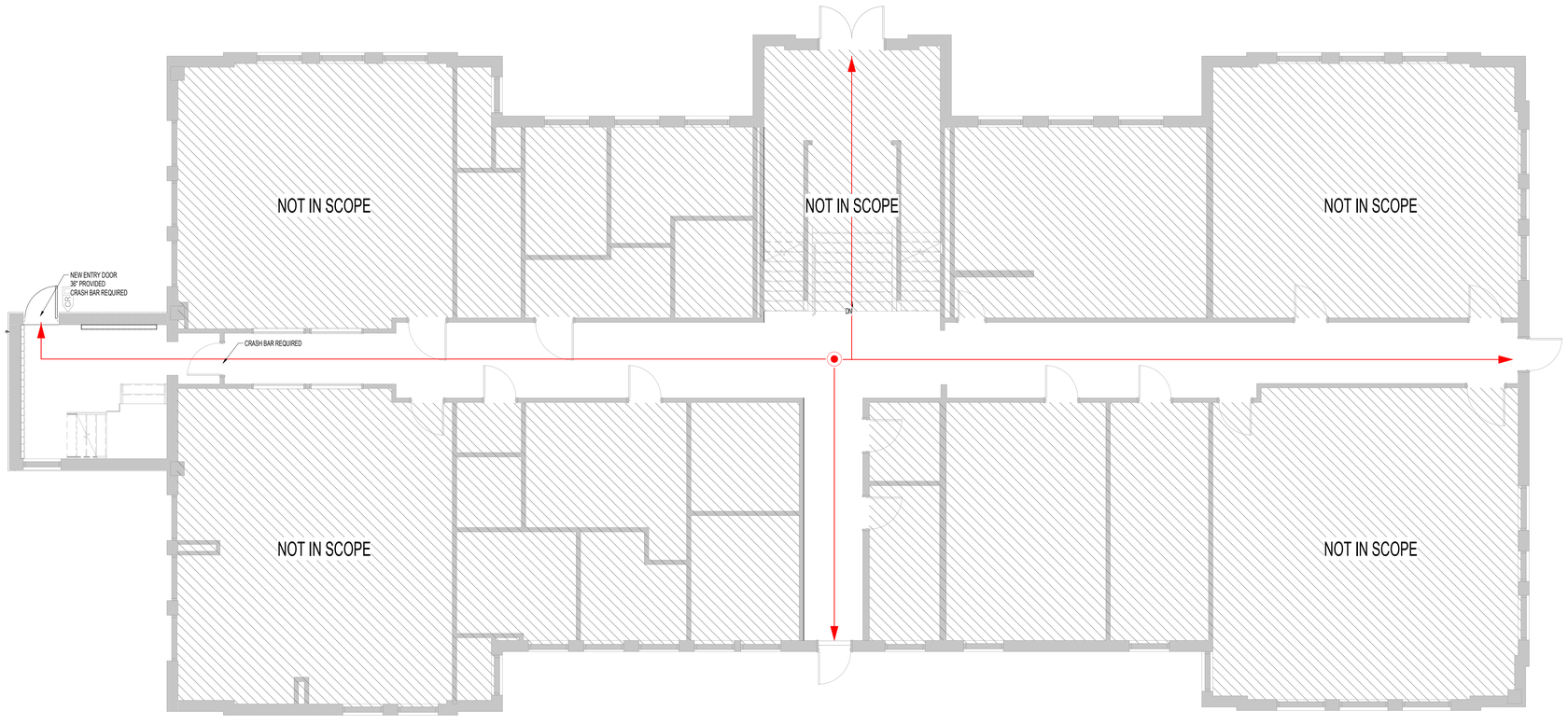


ADD ALTERNATE #1 - HALLWAY CEILING/LIGHTING



ADD ALTERNATE #2 - HALLWAY CARPET/BASE

ADD ALTERNATIVE EXTENT & LOCATION - ALSO SEE ARCHITECTURAL SHEETS



A1 LEVEL 1 - EGRESS PLAN
3/16" = 1'-0"

GENERAL NOTES

CLASSIFICATIONS OF WORK ARE TO COMPLY WITH IEBC CHAPTER 6, 7, 8, & 9

LEVEL 1 ALTERATIONS:

GENERAL
- -MUST COMPLY WITH REQUIREMENTS OF CHAPTER 7 (LEVEL 1 ALTERATIONS)
- -AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

BUILDING ELEMENTS AND MATERIALS
- -ALL NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE INTERNATIONAL BUILDING CODE.
- -NEW INTERIOR FLOOR FINISH, INCLUDING NEW CARPETING USED AS AN INTERIOR FLOOR FINISH MATERIAL, SHALL COMPLY WITH SECTION 804 OF THE INTERNATIONAL BUILDING CODE.
- -ALL NEWLY INSTALLED INTERIOR TRIM MATERIALS SHALL COMPLY WITH SECTION 806 OF THE INTERNATIONAL BUILDING CODE.

FIRE PROTECTION
- -ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

MEANS OF EGRESS
- -ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEAN OF EGRESS

ACCESSIBILITY
- -A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN SECTIONS 705.1.1 THROUGH 705.1.14, AND CHAPTER 11 OF THE INTERNATIONALL BUILDING CODE UNLESS IT IS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE. THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT THAT IT IS TECHNICALLY FEASIBLE.
  - EXCEPTIONS:
  1. THE ALTERED ELEMENT OR SPACE IS NOT REQUIRED TO BE ON AN ACCESSIBLE ROUTE UNLESS REQUIRED BY SECTION 705.2
  2. ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 OF THE INTERNATIONAL BUILDING CODE ARE NOT REQUIRED TO BE PROVIDED IN EXISTING FACILITIES.
  3. TYPE B DWELLING OR SLEEPING UNITS REQUIRED BY SECTION 1107 OF THE INTERNATIONAL BUILDING CODE ARE NOT REQUIRED TO BE PROVIDED IN EXISTING FACILITIES UNDERGOING LESS THAN A LEVEL 3 OF ALTERATION.

ENTRANCES
- -WHERE AN ALTERATION INCLUDES ALTERATIONS TO AN ENTRANCE, AND THE FACILITY HAS AN ACCESSIBLE ENTRANCE ON AN ACCESSIBLE ROUTE THE ALTERED ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE UNLESS REQUIRED BY SECTION 705.2. SIGNS COMPLYING WITH SECTION 1111 OF THE INTERNATIONAL BUILDING CODE SHALL BE PROVIDED.

ENERGY CONSERVATION
- -LEVEL 1 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OF INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

LEGEND: CODE PLAN

- TRAVEL DISTANCE (TD)
- COMMON PATH OF EGRESS (CPE)
- POINT AT WHICH A CHOICE OF TWO EXITS BECOME AVAILABLE
- FE — FIRE EXTINGUISHER IN RECESSED CABINET; 75' RADIUS
- FE — FIRE EXTINGUISHER SURFACE MOUNTED ON WALL HOOK; 75' RADIUS

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STATE OF UTAH
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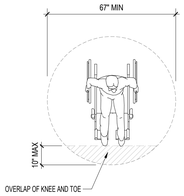
CODE ANALYSIS & EGRESS PLAN

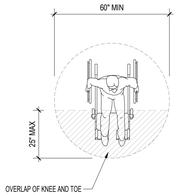
sheet:

G003

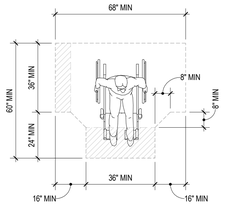
BID SET



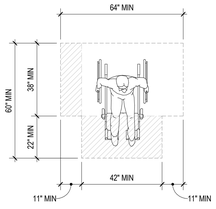
CIRCULAR TURNING SPACE - NEW BUILDINGS



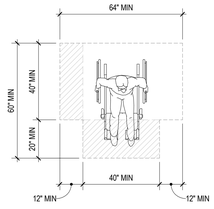
CIRCULAR TURNING SPACE - EXISTING BUILDINGS



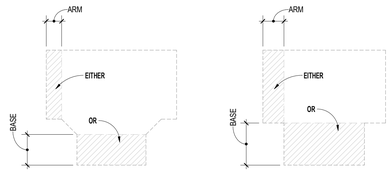
T-SHAPED TURNING SPACE - NEW BUILDINGS - OPTION 1



T-SHAPED TURNING SPACE - NEW BUILDINGS - OPTION 2



T-SHAPED TURNING SPACE - NEW BUILDINGS - OPTION 3

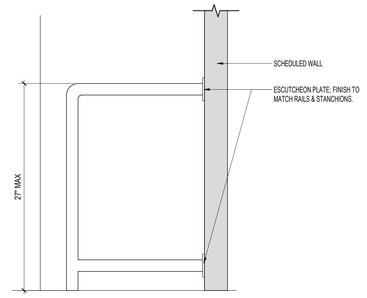


TURNING SPACES SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 2017 ANSI 117.1, SECION 306, OF EITHER THE BASE OR ONE ARM. FOR OPTION 1, THE BASE OR ARM IS THE PORTION BEYOND THE CHAMFER

T-SHAPED TURNING SPACE - NEW BUILDINGS - OVERLAP OF KNEE AND TOE CLEARANCE

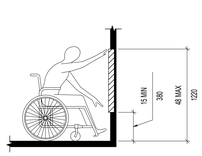
E1 ICC ANSI 117.1-2017 TURNING SPACE

3/8" = 1'-0"

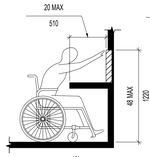


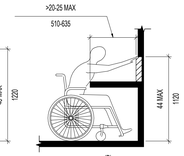
E5 ELEVATION - CANE DETECTION RAIL

1 1/2" = 1'-0"

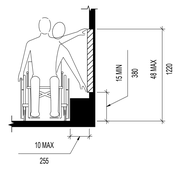


UNOBSTRUCTED FORWARD REACH

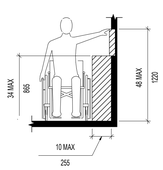


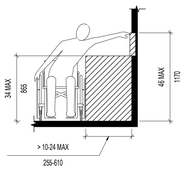


OBSTRUCTED FORWARD REACH



UNOBSTRUCTED SIDE REACH





OBSTRUCTED HIGH SIDE REACH

D1 ICC ANSI 117.1-2017 REACH RANGES

3/8" = 1'-0"

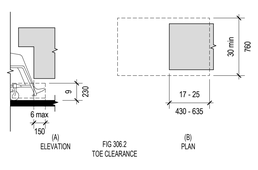


FIG 306.2 TOE CLEARANCE

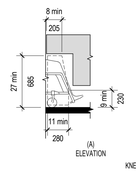
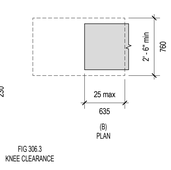
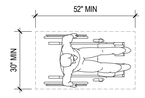


FIG 306.3 KNEE CLEARANCE

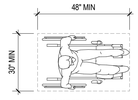


D4 ICC ANSI 117.1-2017 TOE / KNEE CLEARANCE

3/8" = 1'-0"

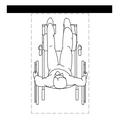


NEW BUILDINGS AND FACILITIES

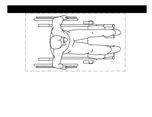


EXISTING BUILDINGS AND FACILITIES

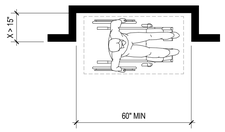
SIZE OF CLEAR FLOOR SPACE - NEW AND EXISTING BUILDINGS AND FACILITIES



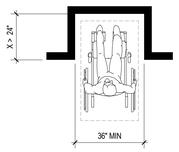
POSITION OF CLEAR FLOOR SPACE FORWARD



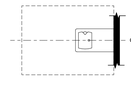
POSITION OF CLEAR FLOOR SPACE PARALLEL



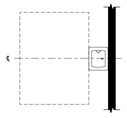
MANEUVERING CLEARANCE IN AN ALCOVE PARALLEL APPROACH



MANEUVERING CLEARANCE IN AN ALCOVE FORWARD APPROACH

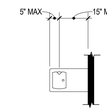


CLEAR FLOOR SPACE AT WHEELCHAIR DRINKING FOUNTAINS

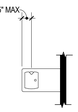


CLEAR FLOOR SPACE AT WHEELCHAIR DRINKING FOUNTAINS - PRIMARILY FOR CHILDRENS USE EXCEPTION

DRINKING FOUNTAIN AND BOTTLE FILLING STATIONS PLAN VIEW



WHEELCHAIR DF SPOUT LOCATION

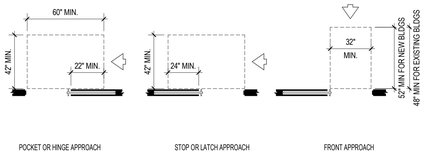


STANDING USE DF SPOUT LOCATION

DRINKING FOUNTAIN AND BOTTLE FILLING STATIONS PLAN VIEW

C1 ICC ANSI 117.1-2017 CLEAR FLOOR SPACE

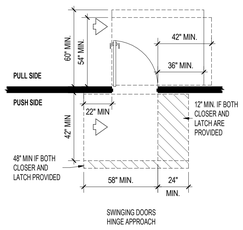
3/8" = 1'-0"



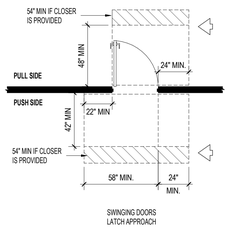
POCKET OR HINGE APPROACH

STOP OR LATCH APPROACH

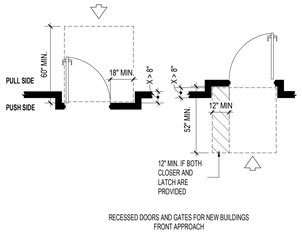
FRONT APPROACH



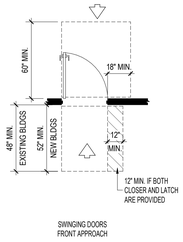
SWINGING DOORS HINGE APPROACH



SWINGING DOORS LATCH APPROACH



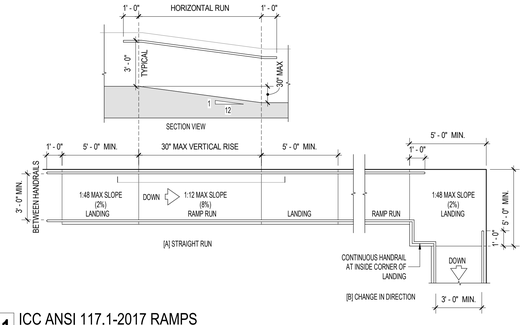
RECESSED DOORS AND GATES FOR NEW BUILDINGS FRONT APPROACH



SWINGING DOORS FRONT APPROACH

B1 ICC ANSI 117.1-2017 DOORS AND DOORWAYS

1/4" = 1'-0"



SLOPE	MAX RISE
1:8* - 1:10	3"
1:10 - 1:12	6"

*SLOPE STEEPER THAN 1:8 IS NOT PERMITTED

NOTES:

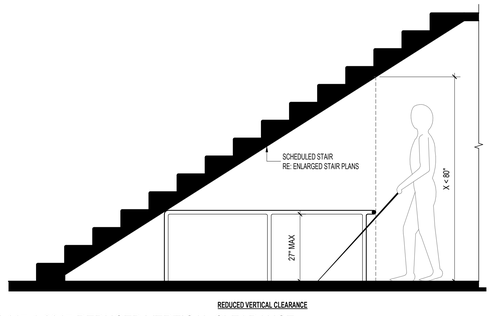
RAMP DETAILS ARE SHOWN AS CODE MINIMUM REQUIREMENTS. ACTUAL CONDITIONS MAY VARY. SEE SITE PLAN AND DETAILS

CLEAR WIDTH OF LANDINGS SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING

RAMP RUNS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS

A1 ICC ANSI 117.1-2017 RAMPS

1/4" = 1'-0"



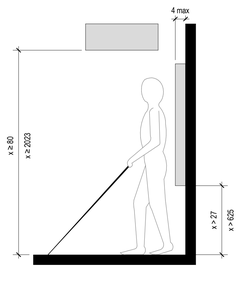
REDUCED VERTICAL CLEARANCE

A3 ICC ANSI 117.1-2017 REDUCED VERTICAL CLEARANCE

1/2" = 1'-0"

C4 ICC ANSI 117.1-2017 DF CLEAR FLOOR SPACE

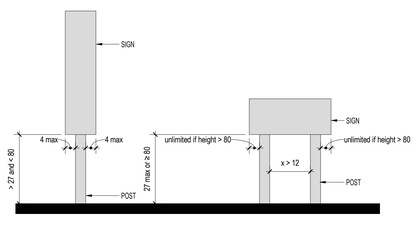
3/8" = 1'-0"



LIMITS OF PROTRUDING OBJECTS

C5 ICC ANSI 117.1-2017 DF SPOUT LOCATION

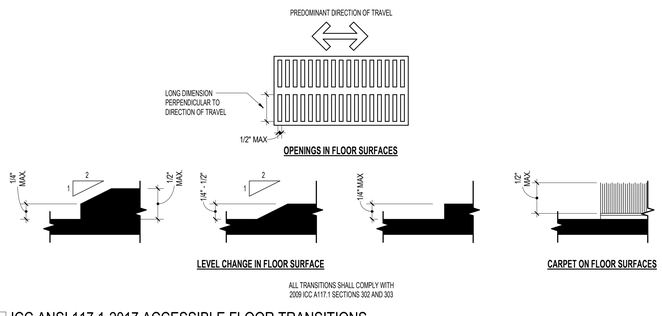
3/8" = 1'-0"



POST-MOUNTED PROTRUDING OBJECTS

B5 ICC ANSI 117.1-2017 PROTRUDING OBJECTS

1/2" = 1'-0"



ALL TRANSITIONS SHALL COMPLY WITH 2009 ICC A117.1 SECTIONS 302 AND 303

A5 ICC ANSI 117.1-2017 ACCESSIBLE FLOOR TRANSITIONS

12" = 1'-0"

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801 532 4422

STATE OF UTAH
KELTON REED BERRETT
No. 12128859-0301
REGISTERED
3.31.2025
LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

title:

ACCESSIBILITY DETAILS

sheet:

G012

BID SET

A1 LEVEL 1 DEMO PLAN
3/16" = 1'-0"

GENERAL NOTES - DEMO

1 GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION, AND TO CONTACT THE ARCHITECT WITH ANY UNFORESEEN CONDITIONS

2 GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURE/ASSEMBLIES/EQUIPMENT AS REQUIRED. REPAIR, PATCH AND/OR REPLACE EXISTING CONSTRUCTED ITEMS AND EQUIPMENT THAT ARE TO REMAIN AS REQUIRED FOR NEW CONSTRUCTION

3 GENERAL CONTRACTOR SHALL PATCH AND REPAIR TO MATCH EXISTING FINISHES AT WALLS, FLOORS, CEILINGS/SOFFITS, ETC... AS REQUIRED IN ARES NOT SPECIFICALLY CALLED OUT IN THE DRAWINGS BUT ARE IMPACTED BY CONSTRUCTION

4 REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION COORDINATION

5 GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO DECK ABOVE TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES. DUST BARRIER SHALL BE SEALED AIR TIGHT IN ALL PHASED AREAS OF CONSTRUCTION

6 UPON COMPLETION OF CONSTRUCTION IN EACH PHASE IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS IMPACTED BY CONSTRUCTION. THE GENERAL CONTRACTOR SHALL CLEAN ALL CARPET, REMOVE ALL DUST, CLEAN DOORS AND FRAMES, LIGHT FIXTURES, CEILING SYSTEMS, MECHANICAL GRILLES, ELECTRICAL PANELS, WINDOW SYSTEMS, GLAZING, ETC...

7 GENERAL CONTRACTOR TO PREVENT WATER BUILD-UP AND/OR DAMAGE FOUNDATIONS ON THE CONSTRUCTION SITE OR ADJACENT AREAS

8 GENERAL CONTRACTOR TO KEEP AN ACTIVE PEDESTRIAN PATHWAY TO AND AT EGRESS ROUTES FREE OF OBSTRUCTIONS AT ALL TIMES. CONTRACTOR TO PROVIDE PROTECTION TO PEDESTRIANS BEFORE DEMOLITION (IBC 3303)

9 GENERAL CONTRACTOR TO MAINTAIN EXITS, EXISTING STRUCTURAL ELEMENTS, APPLIED FIREPROOFING PROTECTION DEVICES, AND SANITARY SAFEGUARDS AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION

10 GENERAL CONTRACTOR TO CONSULT A WALK THROUGH W/ OWNER & ARCHITECT PRIOR TO COMMENCING DEMOLITION TO IDENTIFY ITEMS NOT LISTED AS 'REMOVE & PRESERVE FOR RE-USE' THAT SHOULD BE SALVAGED AND/OR RESERVED FOR OWNER'S REUSE IN OTHER PARTS OF THE BUILDING

KEYED NOTES

02.09	EXISTING DOOR AND FRAME TO BE REMOVED
02.11	REMOVE EXISTING CARPET AND ADHESIVE RESIDUE. PREPARE FOR NEW FLOOR FINISH.
02.12	REMOVE EXISTING WALL BASE. PREPARE FOR NEW WALL BASE FINISH.

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STATE OF UTAH
KELTON REED BERRETT
No. 12128859-0301
ARCHITECT
3.31.2025
LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

title:

LEVEL 1 DEMO PLAN

sheet:

D101

BID SET

3/31/2025 12:07:45 PM Autodesk Docs://USU Ray B. West Egress Stair Schematic Updates - Feasibility Study/24.0515 USU Ray B. West Egress Stair Schematic Updates - Feasibility Study.rvt

A1 LEVEL 1 DEMO RCP
3/16" = 1'-0"

GENERAL NOTES - DEMO

1 GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION, AND TO CONTACT THE ARCHITECT WITH ANY UNFORESEEN CONDITIONS

2 GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURE/ASSEMBLIES/EQUIPMENT AS REQUIRED. REPAIR, PATCH AND/OR REPLACE EXISTING CONSTRUCTED ITEMS AND EQUIPMENT THAT ARE TO REMAIN AS REQUIRED FOR NEW CONSTRUCTION

3 GENERAL CONTRACTOR SHALL PATCH AND REPAIR TO MATCH EXISTING FINISHES AT WALLS, FLOORS, CEILINGS/SOFFITS, ETC... AS REQUIRED IN ARES NOT SPECIFICALLY CALLED OUT IN THE DRAWINGS BUT ARE IMPACTED BY CONSTRUCTION

4 REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION COORDINATION

5 GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO DECK ABOVE TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES. DUST BARRIER SHALL BE SEALED AIR TIGHT IN ALL PHASED AREAS OF CONSTRUCTION

6 UPON COMPLETION OF CONSTRUCTION IN EACH PHASE IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS IMPACTED BY CONSTRUCTION. THE GENERAL CONTRACTOR SHALL CLEAN ALL CARPET, REMOVE ALL DUST, CLEAN DOORS AND FRAMES, LIGHT FIXTURES, CEILING SYSTEMS, MECHANICAL GRILLES, ELECTRICAL PANELS, WINDOW SYSTEMS, GLAZING, ETC...

7 GENERAL CONTRACTOR TO PREVENT WATER BUILD-UP AND/OR DAMAGE FOUNDATIONS ON THE CONSTRUCTION SITE OR ADJACENT AREAS

8 GENERAL CONTRACTOR TO KEEP AN ACTIVE PEDESTRIAN PATHWAY TO AND AT EGRESS ROUTES FREE OF OBSTRUCTIONS AT ALL TIMES. CONTRACTOR TO PROVIDE PROTECTION TO PEDESTRIANS BEFORE DEMOLITION (IBC 3303)

9 GENERAL CONTRACTOR TO MAINTAIN EXITS, EXISTING STRUCTURAL ELEMENTS, APPLIED FIREPROOFING PROTECTION DEVICES, AND SANITARY SAFEGUARDS AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION

10 GENERAL CONTRACTOR TO CONSULT A WALK THROUGH W/ OWNER & ARCHITECT PRIOR TO COMMENCING DEMOLITION TO IDENTIFY ITEMS NOT LISTED AS 'REMOVE & PRESERVE FOR RE-USE' THAT SHOULD BE SALVAGED AND/OR RESERVED FOR OWNER'S REUSE IN OTHER PARTS OF THE BUILDING

KEYED NOTES

02.10	REMOVE EXISTING CEILING SYSTEM, LIGHT FIXTURES, DIFUSERS AND OTHER ASSOCIATED ELEMENTS. PREPARE FOR NEW CEILING AND LIGHT FIXTURES. REINSTALL ALL EXISTING FIXTURES UNLESS NOTED OTHERWISE. ALSO SEE ELECTRICAL
02.17	EXISTING GYP. CEILING TO REMAIN, PROTECT IN-PLACE. PATCH, REPAIR, & REPAINT; RE: A131, AT01
02.18	REMOVE EXISTING HARD LID ACOUSTIC TILE CEILING, LIGHT FIXTURES, DIFFUSERS AND OTHER ASSOCIATED ELEMENTS. PREPARE FOR NEW CEILING AND LIGHT FIXTURES. REINSTALL ALL EXISTING FIXTURES UNLESS NOTED OTHERWISE. ALSO SEE ELECTRICAL.

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STATE OF UTAH
KELTON REED BERRETT
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USU RAY B. WEST RENOVATIONS

CHAMP DR.
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project#: 24.0515
date: 03.31.2025
revisions :

title:

LEVEL 1 DEMO RCP

sheet:

D131

BID SET

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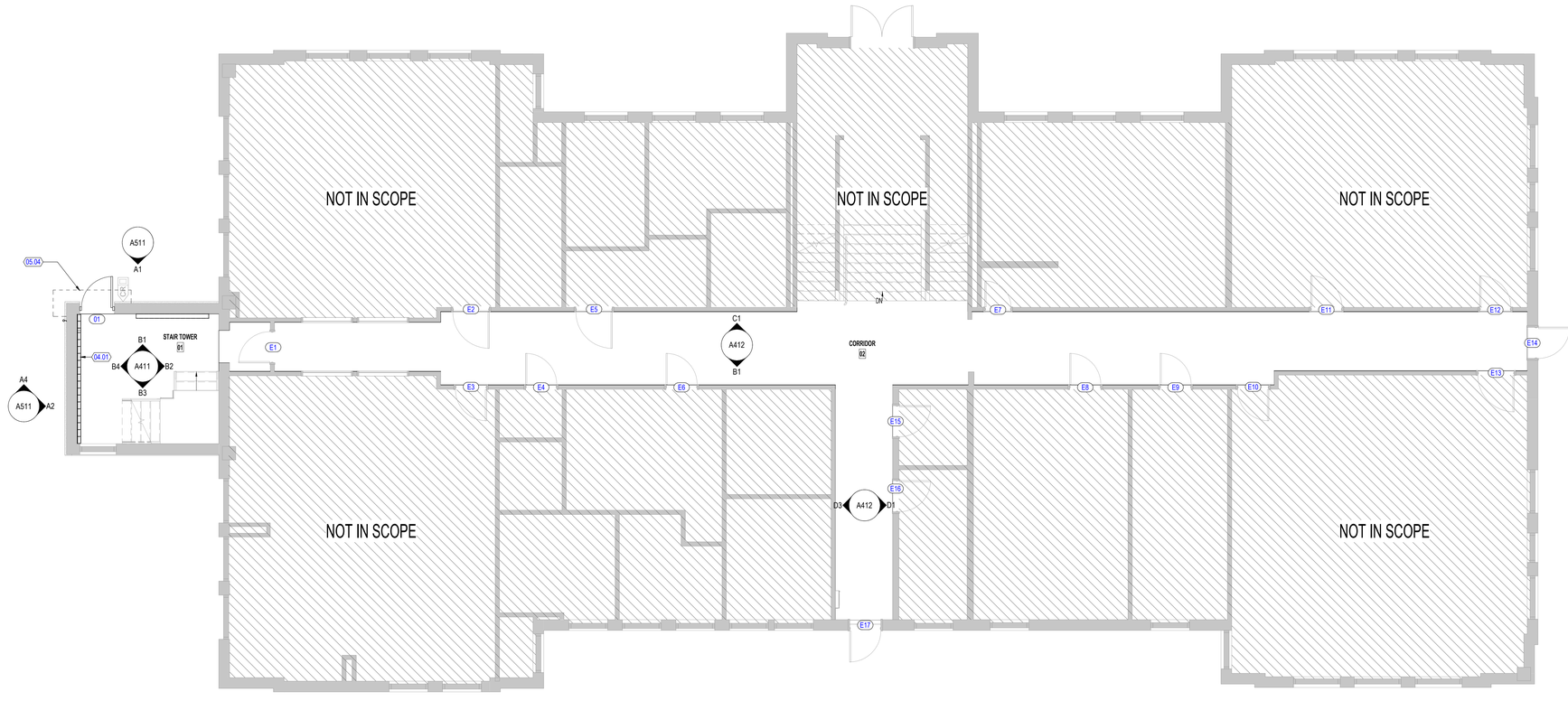

A1 LEVEL 1 OVERALL PLAN
3/16" = 1'-0"

GENERAL NOTES - FLOOR PLAN

1 GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND SHALL REPORT TO THE ARCHITECT ANY UNKNOWN CONDITIONS, ERRORS, OR CONFLICTS IN THE DRAWINGS BEFORE BEGINNING WORK

2 DO NOT SCALE THE DRAWINGS

3 ALL EXPOSED INTERIOR COLUMNS TO BE PAINTED WITH INTUMESCENT PAINT

4 ALL EXPOSED EXTERIOR STEEL TO BE GALVANIZED, UNLESS NOTED OTHERWISE

5 SEE G000 SERIES SHEETS FOR TYPICAL MOUNTING HEIGHTS. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL-MOUNTED ITEMS WHETHER BLOCKING IS DEPICTED IN DRAWINGS OR NOT

6 COORDINATE ALL EQUIPMENT AND ACCESSORIES, INCLUDING ITEMS THAT ARE OWNER FURNISHED, OWNER INSTALLED

7 SEE SHEET SERIES A500 FOR WALL AND ASSEMBLY TYPES

9 SEE ELEVATIONS AND FINISH SCHEDULES FOR SURFACE TREATMENTS AT WALLS

10 SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL WALL CONSTRUCTION INFORMATION

11 VERIFY CEILING HEIGHTS IN UNITS WITH SHEET SERIES A400. CONTRACTOR TO VERIFY AND MAXIMIZE CEILING HEIGHT IN ALL AREAS DEPENDENT ON DUCTWORK LOCATIONS

12 ELECTRICIAN SHALL NOT SET ANY CEILING J-BOXES THAT ARE FOR LIGHTS BEFORE THE FINAL LOCATION OF THE DROPPED SOFFITS HAVE BEEN DETERMINED. THIS WILL ENSURE THAT THE LIGHTS THAT NEED TO BE CENTERED ARE CORRECTLY CENTERED BETWEEN THE SOFFITS

KEYED NOTES

04.01	BRICK ANGLED PATTERN, RE: DETAIL
05.04	METAL CANOPY ABOVE, RE: ARCH. DETAIL

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STATE OF UTAH
KELTON REED BERRETT
No. 12128859-0301
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USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

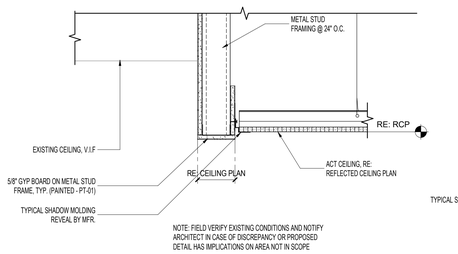
title:

FLOOR PLAN LEVEL 1

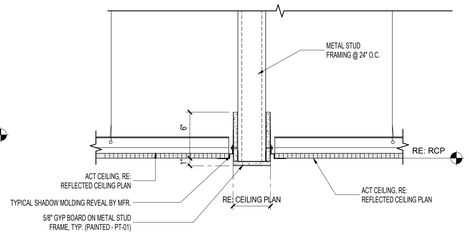
sheet:

A101

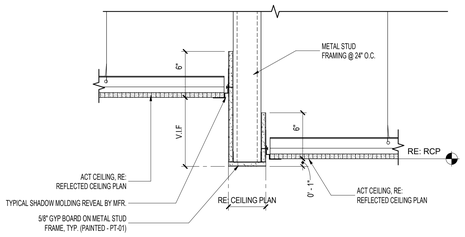
BID SET



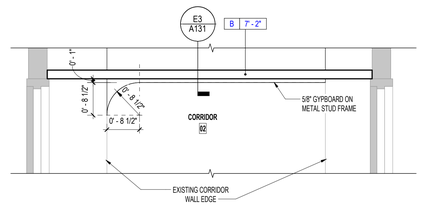
E1 CORRIDOR CEILING DETAIL
1 1/2" = 1'-0"



E2 CORRIDOR CEILING DETAIL
1 1/2" = 1'-0"



E3 CORRIDOR HEADER CEILING TRANSITION DETAIL
1 1/2" = 1'-0"



E4 ELEVATION CORRIDOR HEADER
3/4" = 1'-0"

GENERAL NOTES - CEILING

1. VERIFY AND COORDINATE ALL MECHANICAL DUCT, GRILL DIFFUSER & LOCATIONS, VENTS, AND QUANTITY WITH MECHANICAL PLANS
2. CEILING GRID SHOWN IS ONLY A GRAPHIC REPRESENTATION OF CEILING. CEILING PATTERN IS TO BE CENTERED IN THE ROOM, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL GRID LAYOUT/LOCATION
3. VERIFY ALL LIGHTS, SMOKE DETECTORS, AND EXIT DEVICE LOCATIONS AND QUANTITIES WITH ELECTRICAL DRAWINGS. SEE ARCHITECTURE FOR LIGHT LAYOUT LOCATION. LIGHT FIXTURES TO BE CENTERED AND SYMMETRICALLY LOCATED IN UNITS AND SHARED SPACES UNLESS NOTED OTHERWISE
4. MAKE FACTORY EDGE WHERE TILE IS CUT TYPICAL FOR ALL LAY-IN ACOUSTICAL TILE WITH REGULAR EDGE
5. SEE SHEET SERIES A700 FOR FINISH MATERIAL SPECIFICATIONS
6. VERIFY CEILING HEIGHTS IN UNITS WITH SHEET SERIES A400's. CONTRACTOR TO VERIFY AND MAXIMIZE CEILING HEIGHT IN ALL AREAS DEPENDENT ON DUCTWORK LOCATIONS
7. ELECTRICIAN SHALL NOT SET ANY CEILING J-BOXES THAT ARE FOR LIGHTS BEFORE THE FINAL LOCATION OF THE DROPPED SOFFITS HAVE BEEN DETERMINED. THIS WILL ENSURE THAT THE LIGHTS THAT NEED TO BE CENTERED ARE CORRECTLY CENTERED BETWEEN THE SOFFITS

KEYED NOTES

01.02	FIELD VERIFY EXISTING CONDITION
02.16	HEIGHT PROVIDED IS APPROXIMATE. VERIFY EXISTING CEILING HEIGHT AND MATCH
05.04	METAL CANOPY ABOVE, RE: ARCH. DETAIL
09.13	PAINT EXISTING CEILING, MATCH WALL PAINT FINISH, RE: FINISH SCHEDULE

A1 LEVEL 1 RCP
3/16" = 1'-0"

CEILING LEGEND

NOTE:
ALL DROPS NEED TO BE NON-COMBUSTIBLE METAL FRAMING OR LIGHT GAUGE METAL FRAMING AND MEET L/360 STANDARD FOR ALLOWABLE DEFLECTION.

TYPE A
NOT USED

TYPE B
ACT-02:
2' x 4' LAY-IN ACOUSTICAL TILE & SUSPENSION SYSTEM, RE: FINISH SCHEDULE

TYPE C
5/8" GYPSUM BOARD (PAINTED PNT-01 UNLESS NOTED ON PLAN) ON METAL STUD.

SUPPLY DIFFUSER, SEE MECHANICAL

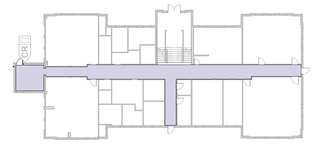
RETURN GRILLE, SEE MECHANICAL

2'x4' LIGHT FIXTURE, RE: ELECTRICAL

1'x4' LIGHT FIXTURE, RE: ELECTRICAL

2'x4' LIGHT FIXTURE, RE: ELECTRICAL

LINEAR WALL MOUNTED FIXTURE, RE: ELECTRICAL



ADD ALTERNATE #1 - HALLWAY CEILING/ LIGHTING

north

method studio
360 west aspen avenue
salt lake city, utah 84101
801 532 4422

STATE OF UTAH
KELTON REED BERRETT
No. 12129859-0301
3.31.2025
LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

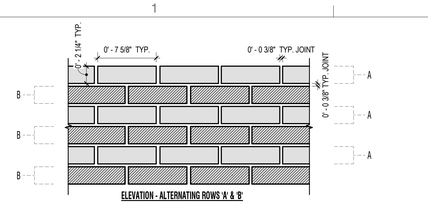
title:

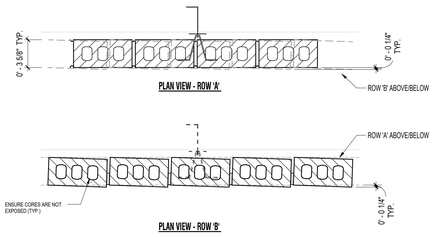
LEVEL 1 RCP PLAN

sheet:

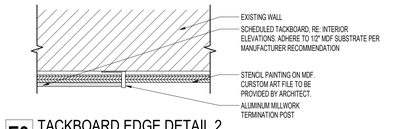
A131

BID SET

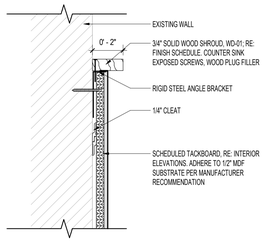




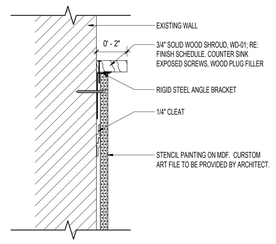
BRICK PATTERN #1 - RUNNING BOND + ALTERNATING ANGLED BRICK



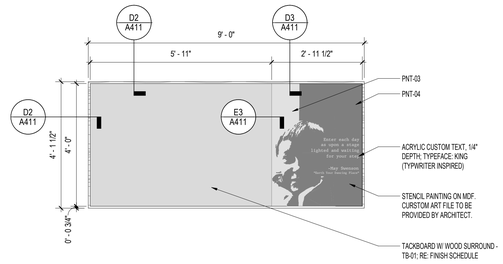
E3 TACKBOARD EDGE DETAIL 2
3" = 1'-0"



D2 TACKBOARD EDGE DETAIL
3" = 1'-0"

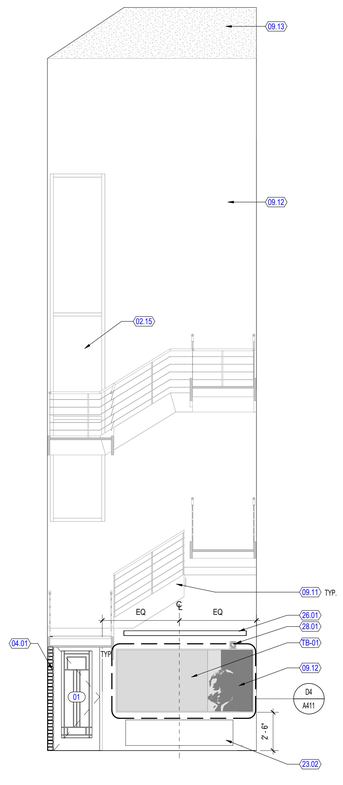


D3 STENCIL PAINTING EDGE DETAIL
3" = 1'-0"

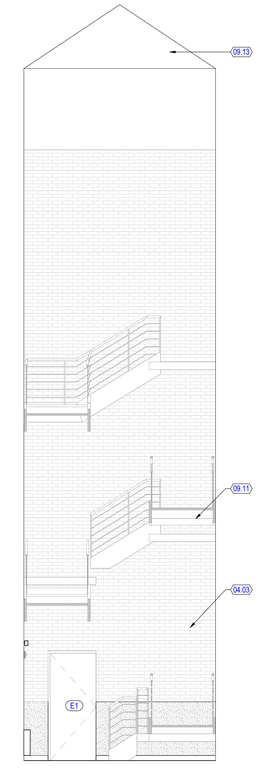


D4 CUSTOM TACKBOARD
1/2" = 1'-0"

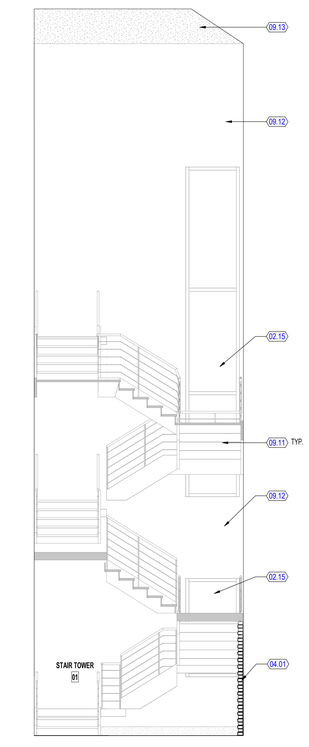
D1 BRICK ELEVATIONS
1 1/2" = 1'-0"



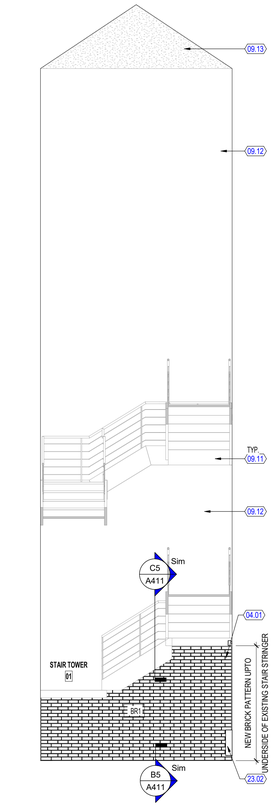
B1 STAIR TOWER NORTH ELEVATION
1/4" = 1'-0"



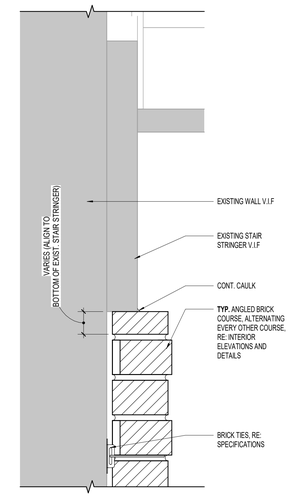
B2 STAIR TOWER EAST ELEVATION
1/4" = 1'-0"



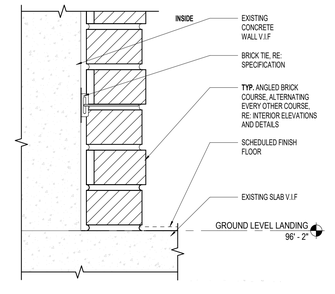
B3 STAIR TOWER SOUTH ELEVATION
1/4" = 1'-0"



B4 STAIR TOWER WEST ELEVATION
1/4" = 1'-0"



C5 DETAIL @ ANGLED BRICK 2
3" = 1'-0"



B5 DETAIL @ ANGLED BRICK 1
3" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

1. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND SHALL REPORT TO THE ARCHITECT ANY UNKNOWN CONDITIONS, ERRORS, OR CONFLICTS IN THE DRAWINGS BEFORE BEGINNING WORK
2. DO NOT SCALE DRAWINGS
3. SEE SHEET SERIES G200 FOR TYPICAL MOUNTING HEIGHTS. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL-MOUNTED ITEMS WHETHER BLOCKING IS DEPICTED IN DRAWINGS OR NOT
12. SEE SHEET SERIES A700 FOR MATERIAL SPECIFICATIONS
13. SEE SHEET SERIES A500 FOR WALL AND ASSEMBLY TYPES
14. SEE SHEET SERIES A600 FOR DOOR AND WINDOW TYPES
15. SEE SHEET SERIES A500 FOR CASEWORK DETAILS

KEYED NOTES

02.15	EXISTING WINDOW, PROTECT IN PLACE
04.01	BRICK ANGLED PATTERN, RE: DETAIL
04.03	BRICK FINISH TO REMAIN, PROTECT IN PLACE
09.11	PAINT EXISTING GALVANIZED STEEL STAIR, PROTECT & MASK-OFF ALL CONCRETE TREADS
09.12	PAINT EXISTING CONCRETE, RE: FINISH SCHEDULE
09.13	PAINT EXISTING CEILING, MATCH WALL PAINT FINISH, RE: FINISH SCHEDULE
23.02	MECHANICAL EQUIPMENT, RE: MECHANICAL
26.01	LIGHT FIXTURE, RE: ELECT.
28.01	FIRE ALARM DEVICE, RE: FIRE ALARM DRAWINGS
TB-01	TACKBOARD, TB-01, RE: FINISH SCHEDULE

LEGEND: MATERIAL

BR1 — BRICK PATTERN 1, SEE DETAIL D1 / A411

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STATE OF UTAH — KELTON REED BERRETT — No. 12129859-0301 — 3.31.2025 — LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
revisions :

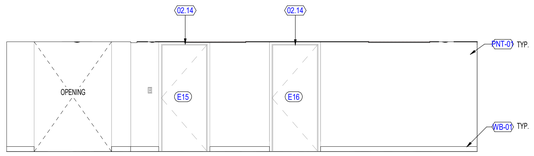
title:

INTERIOR ELEVATIONS & DETAILS

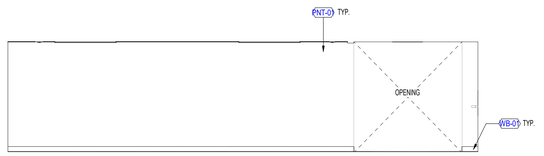
sheet:

A411

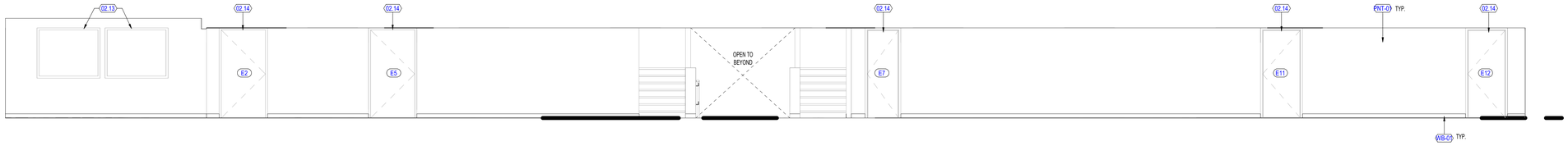
BID SET



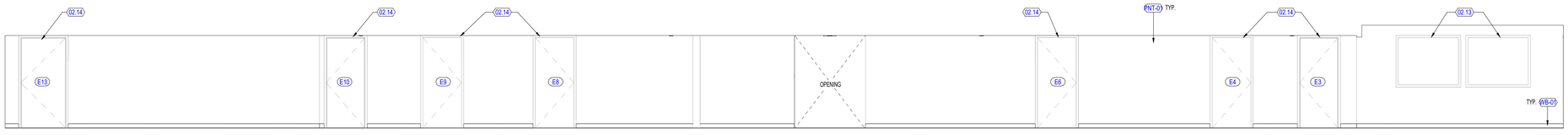
D1 CORRIDOR EAST ELEVATION
1/4" = 1'-0"



D3 CORRIDOR WEST ELEVATION
1/4" = 1'-0"



C1 MAIN CORRIDOR NORTH ELEVATION
1/4" = 1'-0"



B1 MAIN CORRIDOR SOUTH ELEVATION
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

1. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND SHALL REPORT TO THE ARCHITECT ANY UNKNOWN CONDITIONS, ERRORS, OR CONFLICTS IN THE DRAWINGS BEFORE BEGINNING WORK
2. DO NOT SCALE DRAWINGS
3. SEE SHEET SERIES G000 FOR TYPICAL MOUNTING HEIGHTS. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL-MOUNTED ITEMS WHETHER BLOCKING IS DEPICTED IN DRAWINGS OR NOT
12. SEE SHEET SERIES A700 FOR MATERIAL SPECIFICATIONS
13. SEE SHEET SERIES A500 FOR WALL AND ASSEMBLY TYPES
14. SEE SHEET SERIES A600 FOR DOOR AND WINDOW TYPES
15. SEE SHEET SERIES A500 FOR CASEWORK DETAILS

KEYED NOTES

02.13	EXISTING WINDOW. PROTECT IN PLACE. PAINT EXISTING FRAME TO MATCH WALL COLOR. RE: FINISH SCHEDULE
02.14	EXISTING DOOR TO REMAIN. PAINT FRAME TO MATCH WALL COLOR. RE: FINISH SCHEDULE
PNT-01	RE: FINISH SCHEDULE
WB-01	WALL BASE. RE: FINISH SCHEDULE

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STATE OF UTAH
KELTON REED BERRETT
No. 12129859-0301
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project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project #: 24.0515
date: 03.31.2025
revisions :

title:

INTERIOR ELEVATIONS

sheet:

A412

BID SET

TSN MID WALL SCHEDULE:

	Typ. Stud Spacing	Max Wall Height	Mid Wall to base connection	Comment
250MW-24:	16"O.C.	4'-0"	1/2" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	4'-0"	1/2" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
250MW-48:	16"O.C.	7'-0"	1/2" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	5'-0"	1/2" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
362MW-24:	16"O.C.	3'-6"	(2) 3/8" dia Kwik Bolt 3. Embed=2.375"	For Concrete over metal deck
		4'-0"	(2) 3/8" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab
	24"O.C.	3'-0"	(2) 3/8" dia Kwik Bolt 3. Embed=2.375"	For Concrete over metal deck
		4'-0"	(2) 3/8" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab
362MW-48:	16"O.C.	8'-6"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	7'-6"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
600MW-24:	16"O.C.	4'-0"	(2) 3/8" dia Kwik Bolt 3. Embed=2.375"	For Concrete over metal deck
			(2) 3/8" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab
	24"O.C.	3'-6"	(2) 3/8" dia Kwik Bolt 3. Embed=2.375"	For Concrete over metal deck
		4'-0"	(2) 3/8" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab
600MW-48:	16"O.C.	4'-6"	(2) 3/8" dia Kwik Bolt 3. Embed=2.375"	For Concrete over metal deck
		10'-6"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab
	24"O.C.	9'-0"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application

Note: Max wall height are calculated base on one 5/8" GYP BD on each side
MidWall attaches to every other stud, studs attach to MidWall=xxxS162-54. All other typ stud=xxxS137-33, typ top track=xxxT125-33
Base connection based on concrete slab or concrete on metal deck with minimum compressive strength, f'c=3000psi

TSN MID WALL SCHEDULE (W/ HANDRAIL LOAD):

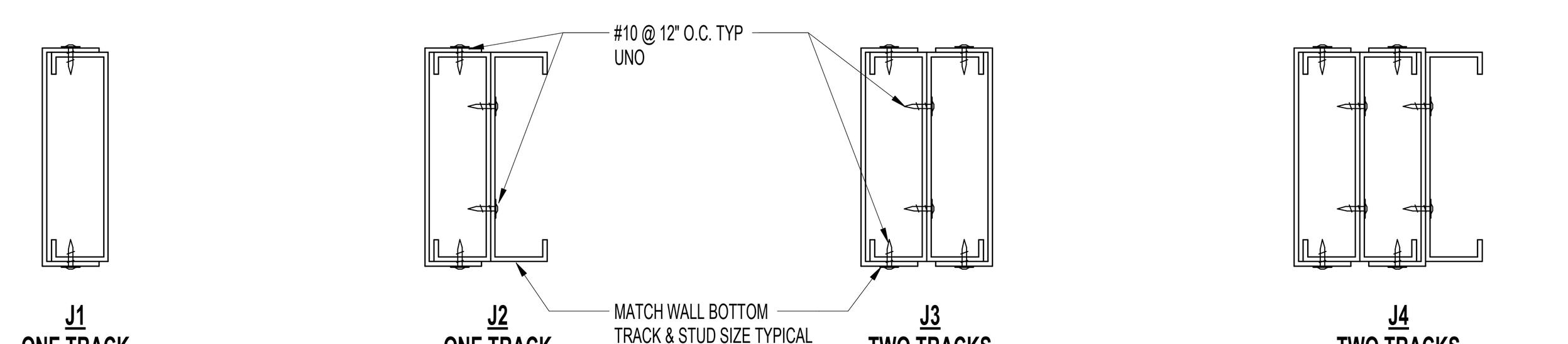
	Typ. Stud Spacing	Max Wall Height	Mid Wall to base connection	Comment
250MW-24:	16"O.C.	4'-0"	1/2" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
250MW-48:	16"O.C.	7'-0"	1/2" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=6"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
362MW-24:	16"O.C.	4'-0"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	4'-0"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
362MW-48:	16"O.C.	8'-6"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	7'-0"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
600MW-24:	16"O.C.	4'-0"	(2) 3/8" dia HAS-E Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	4'-0"	(2) 3/8" dia HAS-Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
600MW-48:	16"O.C.	10'-6"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application
	24"O.C.	9'-0"	(2) 3/8" dia HAS Super Threaded Epoxy Anchor w/ HIT-HY 200. Embed=2.375"min to Concrete Slab	For Concrete Slab only, EOR must deign base connection for concrete over metal deck application

Note: Max wall height are calculated base on one 5/8" GYP BD on each side
MidWall attaches to every other stud, studs attach to MidWall=xxxS162-54. All other typ stud=xxxS137-33, typ top track=xxxT125-33
Handrail loads (50plf or 200lb point live load) are applied at 3'-0" above the base connection
Base connection based on concrete slab or concrete on metal deck minimum compressive strength f'c=3000psi

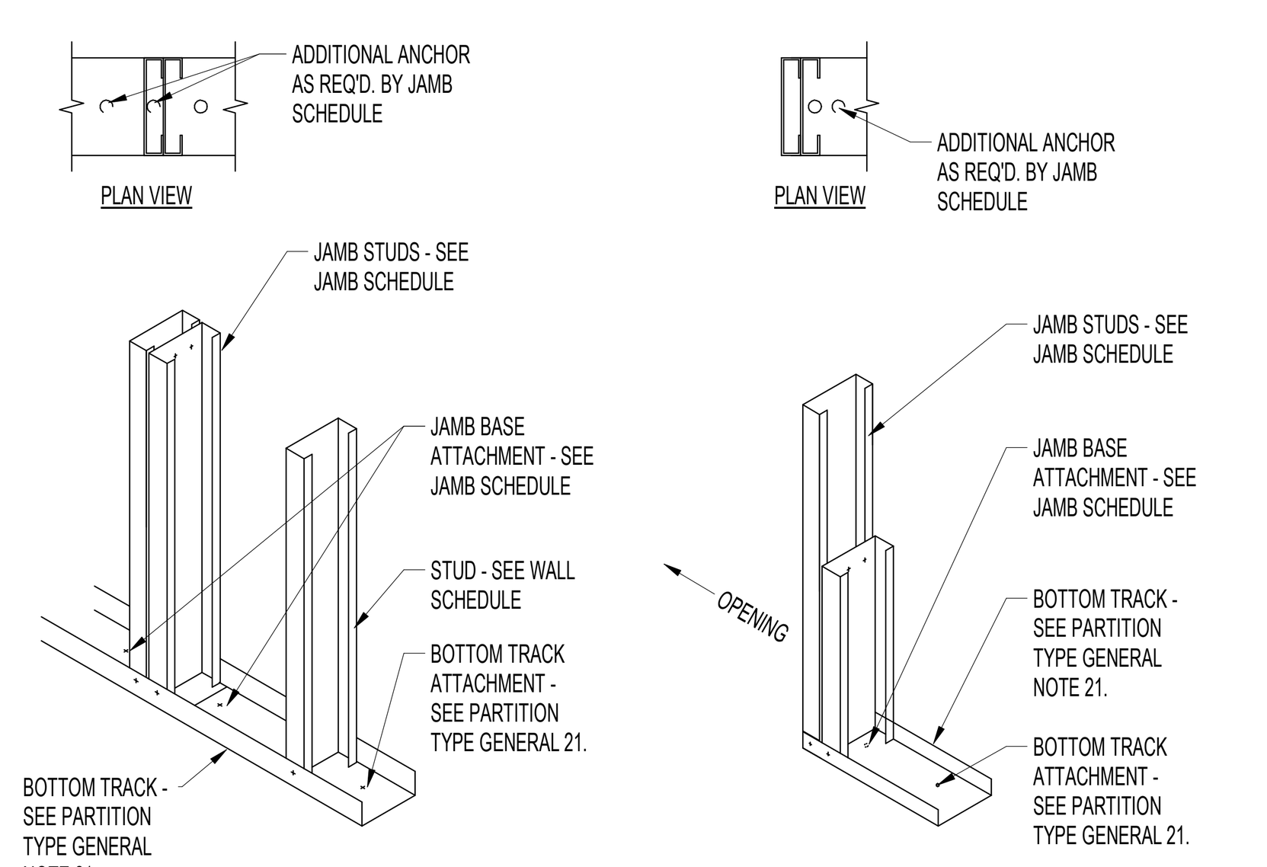
STANDARD FRAMING JAMB STUD SCHEDULE

JAMB DEPTH	MAX. JAMB HEIGHT	MAX. OPENING WIDTH	JAMB COMPONENTS	CONFIGURATION	BASE CONNECTION	TOP CONNECTION
2-1/2"	12'-0"	4'-0"	(2)250S162-33 & (1)250T150-33	J2	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0" (1 layer Gyp each side Max.)	(2)250S162-33 & (1)250T125-54	J2	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0" (1 layer Gyp 1 side Max.)	(2)250S162-33 & (2)250T150-43	J3	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
3-5/8"	10'-0"	4'-0"	362S137-33 & 362T125-33	J1	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	362S137-33 & 362T125-33	J1	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	362S137-33 & 362T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
	15'-0"	4'-0"	362S137-33 & 362T125-33	J1	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	362S200-33 & 362T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	(2)362S137-33 & (1)362T125-33	J2	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0" (1 layer Gyp each side Max.)	(2)362S137-33 & (2)362T125-33	J3	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
	18'-0"	4'-0"	362S162-33 & 362T125-33	J1	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	(2)362S162-33 & (1)362T150-33	J2	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	(2)362S200-33 & (2)362T150-33	J3	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0" (1 layer Gyp each side Max.)	(3)362S200-33 & (2)362T150-33	J4	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
6"	10'-0"	4'-0"	600S137-33 & 600T125-33	J1	(1) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
	15'-0"	4'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	600S137-33 & 600T125-33	J1	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0"	600S162-33 & 600T150-33	J1	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
	20'-0"	4'-0"	600S137-33 & 600T125-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	(2)600S137-33 & (1)600T125-33	J2	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	(2)600S137-33 & (1)600T125-33	J2	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0"	(2)600S162-33 & (2)600T150-33	J3	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
	25'-0"	4'-0"	600S162-33 & 600T150-33	J1	(2) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 1
		8'-0"	(2)600S137-33 & (1)600T125-33	J2	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		12'-0"	(2)600S200-33 & (1)600T200-33	J2	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
		16'-0"	(3)600S162-33 & (2)600T150-33	J4	(3) 3/8" HILTI KH-EZ w/ embed=3-1/4" (SOG) or 1-5/8" (COMD)	Type 2
12"	50-0"	16'-8"	(3)1200S350-118 & (2)1200T200-54	J4	(3) 3/8" HILTI KH-Fz w/ embed=3-1/4" (SOG)	SEE DETAILS ATTACHED

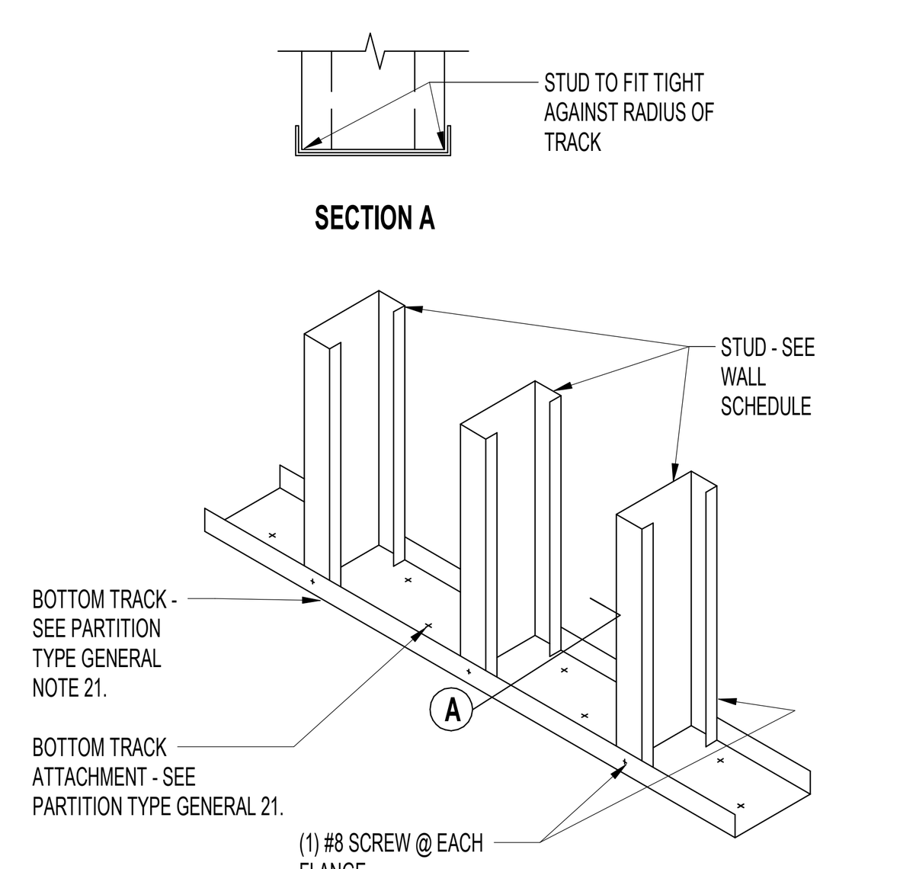
NOTE: SOG=SLAB ON GRADE
COMD=CONCRETE ON METAL DECK



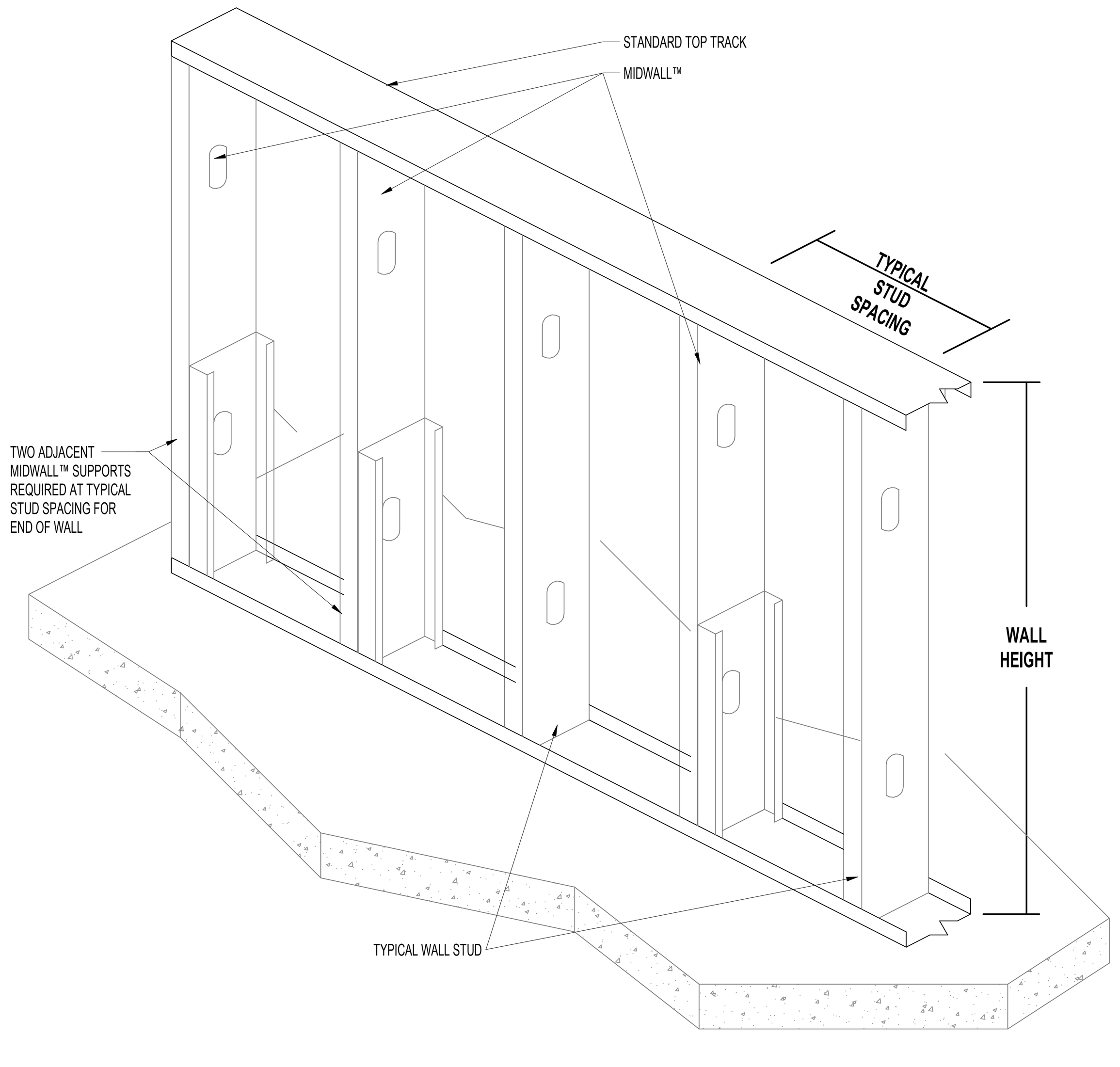
TYPICAL STEEL STUD JAMB SECTIONS
SCALE: NONE



JAMB BASE CONNECTIONS
SCALE: NONE



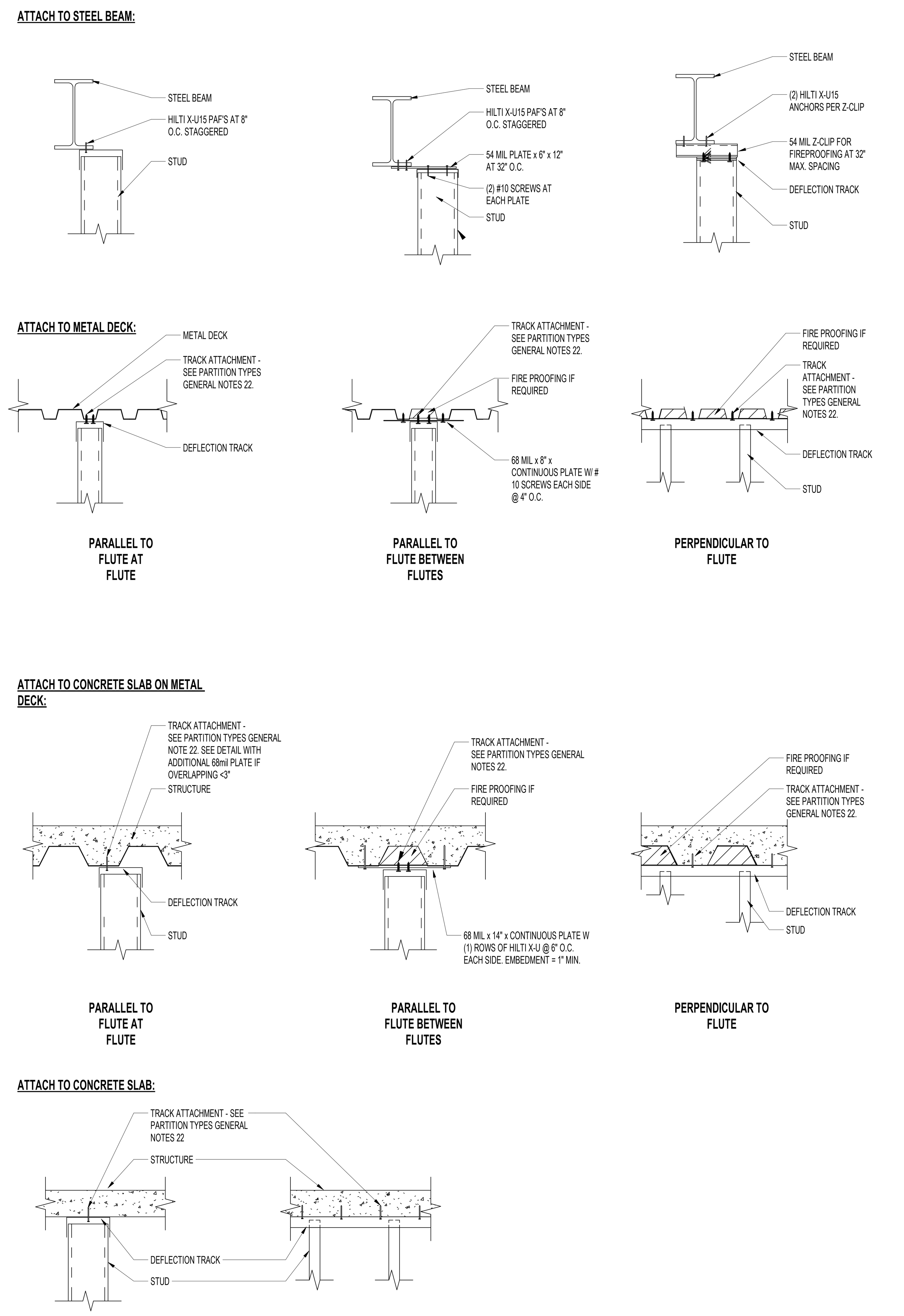
TYPICAL BOTTOM TRACK CONNECTIONS
SCALE: NONE



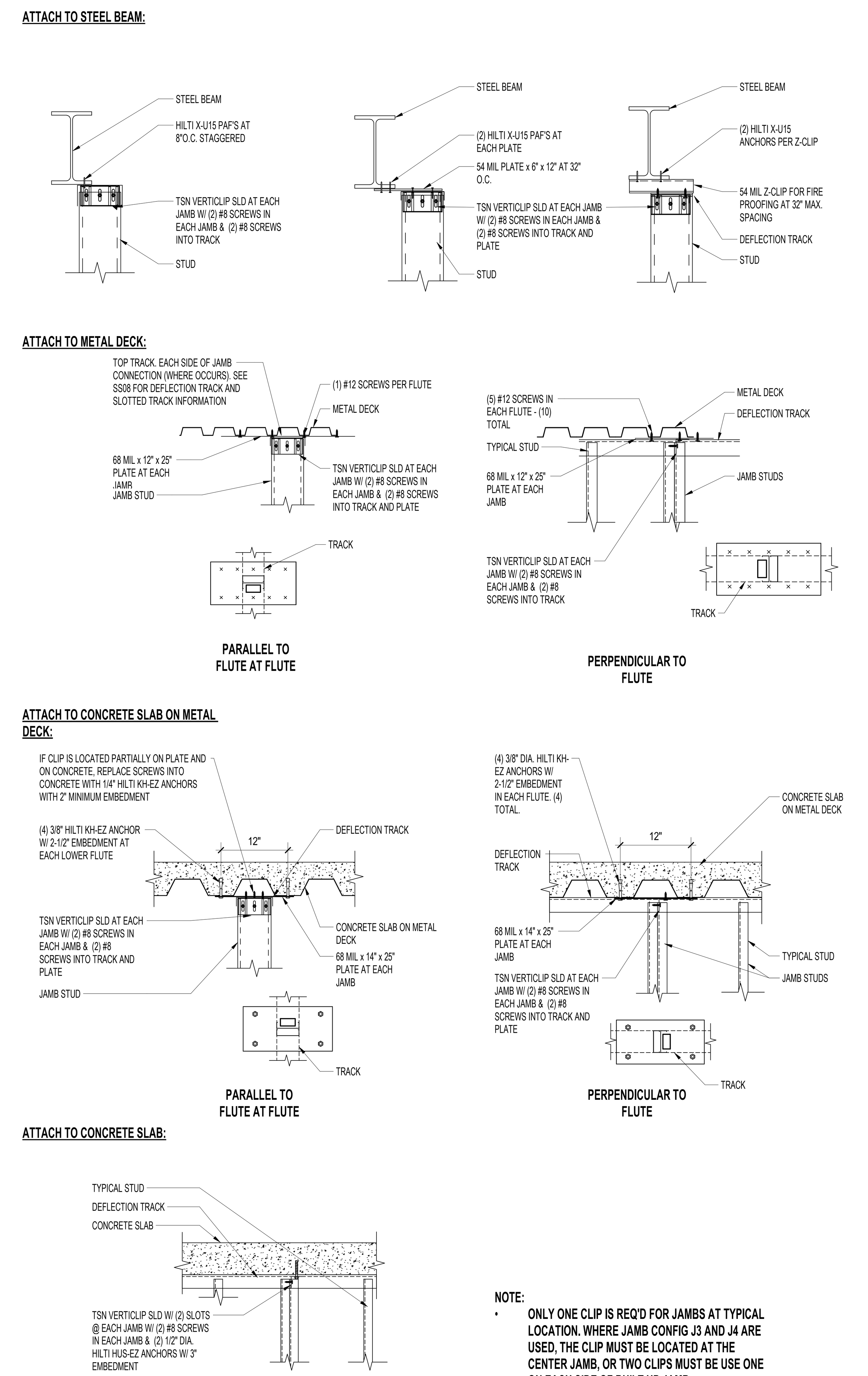
MIDWALL SUPPORT DETAIL
SCALE: NONE

INTERIOR FRAMING GENERAL NOTES

1. REFER TO A100 SHEET SERIES FOR LOCATION OF WALL TYPES
2. REFER TO SCHEDULES & DETAILS FOR FINISHES. WALL TYPES REFER TO BASE WALL ONLY
3. "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITIONS OF EACH WALL TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE THE EXACT CONSTRUCTION CONDITION. RATED WALLS ARE TO TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE RESISTANT RATING. WHERE REQUIRED APPROPRIATE FRAMING AND GYP BOARD IS TO BE INSTALLED AND OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS SUCH AS PIPING OR DUCTWORK, TO MAINTAIN THE FIRE RESISTANCE RATING. NON-RATED WALLS THAT CONTINUE TO STRUCTURE ARE TO TERMINATE AT PROPER LOCATIONS TO MAINTAIN THE INTENT OF THE CONTINUOUS PLANE OF ONE LAYER OF GYP BOARD AS A NOISE, SMOKE OR OTHER TYPE OF BARRIER. SEE HEAD AND SILL DETAILS FOR MORE INFORMATION
4. ALL GYP BOARD SHALL BE 5/8", UNLESS NOTED OTHERWISE
5. ALL RATED WALLS SHALL BE CONSTRUCTED FIRST AND HAVE CONTINUITY PRIORITY OVER NON-RATED WALLS. SECONDARY, OR NON-RATED WALLS, ARE TO ABUTT, BUT NOT PENETRATE THE RATED WALLS
6. FIRESTOPPING TO BE PROVIDED AT ALL PENETRATIONS THROUGH RATED WALLS AS SPECIFIED. COORDINATE WITH CODE PLANS
7. APPROPRIATE SUBMITTAL INFORMATION MUST BE PROVIDED TO SUBSTANTIATE THAT THE MATERIALS AND ASSEMBLY USED BY THE CONTRACTOR HAVE BEEN TESTED BY A RECOGNIZED TESTING AGENCY TO MEET THE FIRE RESISTANCE RATING SCHEDULED ON THESE WALL TYPES
8. ALL GYPSUM WALL BOARD MUST BE MOISTURE RESISTANT AT THE FOLLOWING LOCATIONS:
   A. TOILET ROOMS
   B. WET WALLS
   C. SHOWERS
   D. JANITOR'S CLOSETS
9. SOUND ATTENUATION BLANKETS SHALL EXTEND THE FULL HEIGHT OF THE WALLS
10. SPACING OF THE METAL STUDS IS NOT ALWAYS INDICATED BY THE PARTITION TYPE OR DETAILS. STUD SPACING IS TO BE DETERMINED BY THE HEIGHT OF THE PARTITION AS SHOWN IN THE TABLE BELOW. EACH STUD GOING TO STRUCTURE AND EXCEEDING ALLOWABLE HEIGHTS SHALL BE BRACED 45 DEGREES DIAGONALLY 12" ABOVE CEILING WITH EQUAL SIZE METAL STUDS. THIS TABLE IS TO BE USED FOR THE INTERIOR WALL TYPES ONLY AND DOES NOT APPLY TO EXTERIOR STUDS. STUDS IN DOUBLE STUD WALL CONFIGURATIONS ARE TO BE EVENLY STAGGERED RELATIVE TO THE ADJACENT STUD LAYOUT
11. REFER TO INTERIOR DETAILS FOR ADDITIONAL INFORMATION
12. UL DESIGN NUMBERS REFER TO FIRE RESISTANCE IN MOST CURRENT EDITION OF THE UL DIRECTORY
13. IN PARTITIONS WITHOUT GYP BOARD ON BOTH SIDES, SUPPORT INSULATION WITH WIRE MESH TO STRUCTURE
14. MAINTAIN 1/2" SPACE BETWEEN FLOOR SLAB AND BOTTOM OF GYP BOARD ON ALL WALLS
15. STOP STUD 1" BELOW METAL RUNNER (TOP TRACK) TO ALLOW FOR VERTICAL EXPANSION; DO NOT ATTACH STUDS OR GYP BOARD TO TOP TRACK
16. PROVIDE NEOPRENE FLASHING BETWEEN ALL DISSIMILAR METALS, TYPICAL
17. EQ (EQUIVALENT) STUDS ARE NOT TO BE USED FOR JAMB OR HEADER CONDITIONS. REFER TO INTERIOR STUD SCHEDULES & DETAILS.
18. ALL INTERIOR NON-BEARING STEEL STUD WALLS THAT EXTEND ABOVE THE CEILING BUT DO NOT ATTACH TO THE FLOOR OR ROOF DIAPHRAGM (ABOVE) SHALL HAVE DIAGONAL BRACES @ 45 DEGREE (+/-). THE KL/r RATIO OF THE BRACE SHALL NOT EXCEED 200 AND SHALL NOT BE SPACED FURTHER THAN 10'-0" APART. CONNECT DIAGONAL BRACES TO THE TOP OF THE STEEL STUD WALLS AND TO THE UNDERSIDE OF THE TOP FLANGE OF THE STEEL BEAMS, OPEN WEB JOISTS, OR GIRDERS, ETC. W/ 1/8" FILLET WELDS ALL AROUND. DIAGONAL BRACES MAY BE CONNECTED TO 8"X8"X1/4" STEEL PLATES WHICH SHALL BE ANCHORED TO THE CONCRETE FILLED FLOOR OR ROOF DECKS ABOVE W/ (2)-3/8" DIA. EXPANSION ANCHORS. CONNECT ANGLE TO PLATE WITH A 1/4" FILLET WELD ALL AROUND. DIAGONAL BRACES MAY BE CONSTRUCTED FROM COLD-FORMED LIGHT GUAGE STEEL STUDS BUT MUST CONFORM TO TEH KL/r < 200 REQUIREMENT. WHEN DIAGONAL BRACE LENGTHS EXCEED 10'-0" (+/-), COLD-FORMED BOX SECTIONS MADE FROM (2) 600S137-54 STEEL STUDS WILL LIKELY BE REQUIRED. SEE TOP OF WALL BRACING DETAIL ON A502.6.
19. TYPICAL TOP TRAC FOR 2-1/2" STU: USE 250T125-33
20. TYPICAL TOP TRACK FOR 3-5/8" STUD: USE 362T125-33 UP TO 16' MAX. WALL HEIGHT. USE 362T125-43 UP TO 18' MAX. WALL HEIGHT.
21. TYPICAL TOP TRACK FOR 6" STUD: USE 600T125-33 UP TO 22' MAX WALL HEIGHT. USE 600T125-68 UP TO 30' MAX WALL HEIGHT.
22. TOP TRACK ATTACHMENT TO CONCRETE=(2) HILTI X-U PAF'S WITH 1" MIN. EMBEDMENT AT 12" O.C. TOP TRACK ATTACHMENT TO METAL DECK OR PLATE= (2) ROWS OF #10 SCREWS AT 6" O.C. UP TO 22 FT. MAX WALL HEIGHT. (3) ROWS OF #10 SCRES AT 6" O.C. UP TO 30 FT. MAX WALL HEIGHT.
23. TYPICAL BOTTOM TRACK TO CONCRETE FOR 2-1/2" STUDS: USE 250T125-33.
24. TYPICAL BOTTOM TRACK TO CONCRETE FOR 3-5/8" STUDS: USE 362T125-33 UP TO 16' MAX. WALL HEIGHT. USE 362T125-43 UP TO 18' MAX. WALL HEIGHT.
25. TYPCIAL BOTTOM TRACK TO CONCRETE FOR 6" STUDS: USE 600T125-33 UP TO 22' MAX WALL HEIGHT. USE 600T125-68 UP TO 30' MAX WALL HEIGHT.
26. BOTTOM TRACK ATTACHMENT TO CONCRETE= HILTI X-U PAF'S WITH 1" MIN. EMBEDMENT AT 16" O.C.
27. TYPICAL DEEP LEG DEFLECTION TRACK (DEPENDS ON FLOOR TO FLOOR DEFLECTION PROVIDED BY EOR): FOR LEG WIDTH=2-1/2", TRACK THIKNESS=43MIL UP TO 21' MAX WALL HEIGHT
28. TYPICAL DEEP LEG DEFLECTION TRACK (DEPENDS ON FLOOR TO FLOOR DEFLECTION PROVIDED BY EOR): FOR LEG WIDTH=3", TRACK THICKNESS=54MIL UP TO 36' MAX WALL HEIGHT.
29. DEEP LEG TOP TRACK ATTACHMENT TO CONCRETE=(2) HILTI X-U PAF'S WITH 1" MIN. EMBEDMENT AT 12" O.C. TOP TRACK ATTACHMENT TO METAL DECK OR PLATE= (2) ROWS OF #10 SCREWS AT 12" O.C.
30. ALL FRAMING STUDS ALONG WITH ALL TOP AND BOTTOM TRACKS AND BRIDGE SHALL BE OF THE DESIGNATION SHOWN ON THE PLANS. ALL OF THE ABOVE ELEMENTS SHALL BE FORMED FROM STEEL MEETING REQUIREMENTS OF ASTM A 1011/A1011M-04. ALL COMPONENETS SHALL BE G60 GALVANIZED. ALL STUDS AND TRACKS WITH BASE METAL THICKNESS=33 AND 43MILL SHALL HAVE YIELD STRENGTH OF 33KSI; BASE METAL THICKNESS=54, 68 AND 97MIL SHALL HAVE YIELD STRENGTH OF 50KSI. ALL BRIDGING WITH BASE METAL THICKNESS=33, 43, 54, AND 68 MIL SHALL HAVE YIELD STRENGTH OF 33KSI
31. UNLESS OTHERWISE NOTED, ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH AWS D1.3 AND THE FRAMING DETAILS. ALL WELDS SHALL BE COMPLETED USING E60XX ELECTRODES. ALL WELDS SHALL BE EQUIVALENT TO A FILLET WELD THAT IS EQUAL IN SIZE TO THE THICKNESS OF THE THINNEST PART BEING WELDED. ALL WELDS SHALL BE TOUCHED-UP WITH ZINC-RICH PAINT (ASTM A-780).
32. UNLESS OTHERWISE NOTED, ALL METAL STUD WALLS SHALL HAVE HORIZONTAL BRIDGING PLACED AT 4'-0" O.C.
33. UNLESS OTHERWISE NOTED, ALL WALL STUDS SHALL BE CONTINUOUS BETWEEN TOP AND BOTTOM TRACKS WITH NO SPLICES.
34. UNLESS OTHERWISE NOTED, ALL STEEL STUB BOX HEADER COMPONENTS AND SILL COMPONENTS SHALL BE CONTINUOUS WITH NO SPLICES BETWEEN BEARING SUPPORTS.
35. UNDER THE CONDITION THAT NO ADDITIONAL COST TO THE OWNER, CONTRACTOR MAY SUBMIT FRAMING AND ATTACHMENT ALTERNATES TO BE REVIEWED BY THE ARCHITECT AND ENGINEER OF RECORD. CONTRACTOR MAY SUBMIT SUBSTITUTION/ALTERNATION ON POST-INSTALLED ANCHOR, PAF'S, PRE-ENGINEERED CLIP PRODUCT SUPPLIER, AND STANDARD HEADER TO JAMB CONNECTION FOR REVIEW.



TOP CONNECTION TYPE 1 (DEFLECTION TRACK ATTACHMENT WITHOUT VERTICLIP)
SCALE: NONE



NOTE:
- **ONLY ONE CLIP IS REQ'D FOR JAMBS AT TYPICAL LOCATION. WHERE JAMB CONFIG J3 AND J4 ARE USED, THE CLIP MUST BE LOCATED AT THE CENTER JAMB, OR TWO CLIPS MUST BE USE ONE ON EACH SIDE OF BUILT UP JAMB**

TOP CONNECTION TYPE 2 (DEFLECTION TRACK ATTACHMENT WITH VERTICLIP)
SCALE: NONE

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project#: 24.0515
date: 03.31.2025
revisions :

title:

INTERIOR STUD SCHEDULES & DETAILS

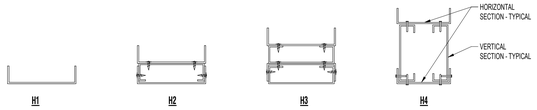
sheet:

A503

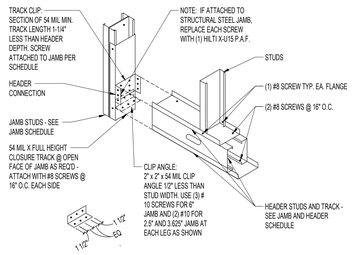
BID SET

STANDARD FRAMING HEADER SCHEDULE

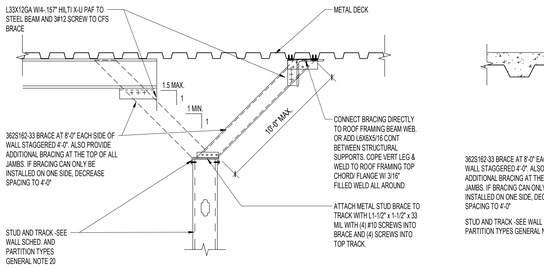
JAMB STUD DEPTH	WALL HEIGHT ABOVE OPENING	MAX. OPENING WIDTH	HORIZONTAL HEADER COMPONENTS	VERTICAL HEADER COMPONENTS	CONFIGURATION	TRACK CLIP TO HEADER/JAMB ATTACHMENT
2-1/2"	5'-0"	4'-0"	250T200-33	----	H1	(2) #10 SCREWS TO HEADER/(2)#10 TO JAMB (2X2X5-MIL CLIP ANGLE ONLY)
		8'-0"	(1)250S162-68 & (2)250T150-68	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
		12'-0"	(2)250S162-68 & (2)250T150-68	----	H3	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
	10'-0"	4'-0"	(1)250S162-33 & (2)250T150-33	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
	15'-0"	4'-0"	(1)250S162-43 & (2)250T150-43	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
3-5/8"	5'-0"	4'-0"	362T200-33	----	H1	(2) #10 SCREWS TO HEADER/(2)#10 TO JAMB (2X2X5-MIL CLIP ANGLE ONLY)
		8'-0"	(2)362T125-33	(2)600S137-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)362T200-43	(2)600S162-68	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		16'-0"	(2)362T125-97	(2)600S137-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
	10'-0"	4'-0"	(1)362S162-33 & (2)362T150-33	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
		8'-0"	(2)362T125-33	(2)600S162-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)362T150-54	(2)1000S162-68	H4	(12)#10 SCREWS TO HEADER/(12)#10 SCREWS TO JAMB
		16'-0"	(2)362T200-97	(2)1000S162-97	H4	(12)#10 SCREWS TO HEADER/(12)#10 SCREWS TO JAMB
	15'-0"	4'-0"	(1)362S200-33 & (2)362T200-33	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
		8'-0"	(2)362T125-33	(2)600S162-43	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)362T150-68	(2)1000S162-97	H4	(12)#10 SCREWS TO HEADER/(12)#10 SCREWS TO JAMB
	20'-0"	4'-0"	(2)362T125-33	(2)600S162-43	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		8'-0"	(2)362T125-43	(2)600S162-54	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
6"	5'-0"	4'-0"	600T200-33	----	H1	(3) #10 SCREWS TO HEADER/(3)#10 TO JAMB (2X2X5-MIL CLIP ANGLE ONLY)
		8'-0"	(2)600T125-33	(2)600S137-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)600T125-33	(2)600S200-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		16'-0"	(2)600T125-43	(2)800S250-54	H4	(8)#10 SCREWS TO HEADER/(8)#10 SCREWS TO JAMB
	10'-0"	4'-0"	(1)600S162-33 & (2)600T125-33	----	H2	(4)#10 SCREWS TO HEADER/(4)#10 SCREWS TO JAMB
		8'-0"	(2)600T125-33	(2)600S162-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)600T125-43	(2)600S250-43	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		16'-0"	(2)600T125-43	(2)800S300-68	H4	(8)#10 SCREWS TO HEADER/(8)#10 SCREWS TO JAMB
	15'-0"	4'-0"	(2)600T125-33	(2)600S162-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		8'-0"	(2)600T125-33	(2)600S200-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)600T200-33	(2)800S250-43	H4	(8)#10 SCREWS TO HEADER/(8)#10 SCREWS TO JAMB
		16'-0"	(2)600T125-54	(2)1000S300-68	H4	(12)#10 SCREWS TO HEADER/(12)#10 SCREWS TO JAMB
	20'-0"	4'-0"	(2)600T125-33	(2)600S162-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		8'-0"	(2)600T125-33	(2)600S200-33	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB
		12'-0"	(2)600T150-43	(2)600S300-68	H4	(6)#10 SCREWS TO HEADER/(6)#10 SCREWS TO JAMB

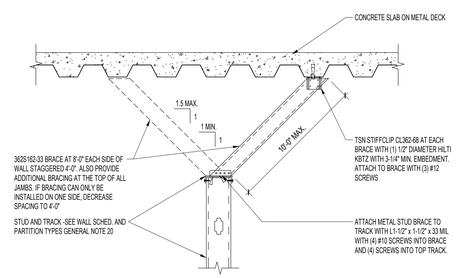


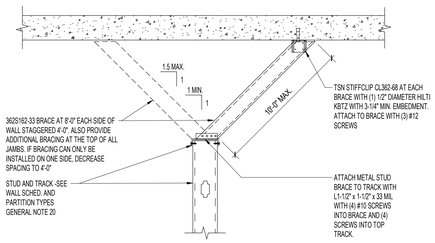
TYPICAL STUD HEADER SECTIONS
SCALE: NONE



HEADER CONNECTION DETAIL
SCALE: NONE



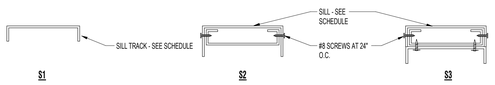




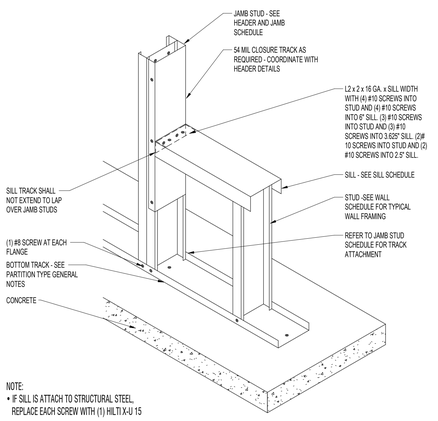
TOP OF WALL BRACING DETAIL
SCALE: NONE

STANDARD FRAMING SILL SCHEDULE

JAMB STUD DEPTH	WALL HEIGHT BELOW OPENING	MAX. OPENING WIDTH	SILL COMPONENTS	CONFIGURATION	SILL TO JAMB ANGLE
2-1/2"	5'-0"	4'-0"	250T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	(1)250T250-33 & (1)250S137-33	S2	2"X2"X54MIL CLIP ANGLE
	10'-0"	4'-0"	250T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	(1)250T250-54 & (1)250S137-33	S2	2"X2"X54MIL CLIP ANGLE
	15'-0"	4'-0"	250T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	(1)250T250-68 & (1)250S162-33	S2	2"X2"X54MIL CLIP ANGLE
3-5/8"	5'-0"	4'-0"	362T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	362T125-33	S1	2"X2"X54MIL CLIP ANGLE
		12'-0"	(1)362T250-43 & (1)362S162-33	S2	2"X2"X54MIL CLIP ANGLE
	10'-0"	4'-0"	362T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	(1)362T250-33 & (1)362S137-33	S2	2"X2"X54MIL CLIP ANGLE
		12'-0"	(1)362T250-68 & (1)362S200-33	S2	2"X2"X54MIL CLIP ANGLE
	15'-0"	4'-0"	362T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	(1)362T250-33 & (1)362S137-33	S2	2"X2"X54MIL CLIP ANGLE
		12'-0"	(2)362T200-54 & (1)362S200-33	S3	2"X2"X97MIL CLIP ANGLE
		16'-0"	(2)362T200-97 & (1)362S250-97	S3	2"X2"X97MIL CLIP ANGLE
6"	5'-0"	4'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		12'-0"	600T200-33	S1	2"X2"X54MIL CLIP ANGLE
	10'-0"	4'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		12'-0"	(1)600T250-33 & (1)600S137-33	S2	2"X2"X54MIL CLIP ANGLE
	15'-0"	4'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	600T200-33	S1	2"X2"X54MIL CLIP ANGLE
		12'-0"	(1)600T250-33 & (1)600S137-33	S2	2"X2"X97MIL CLIP ANGLE
		16'-0"	(2)600T200-43 & (1)600S200-33	S3	2"X2"X97MIL CLIP ANGLE
	20'-0"	4'-0"	600T125-33	S1	2"X2"X54MIL CLIP ANGLE
		8'-0"	600T200-33	S1	2"X2"X54MIL CLIP ANGLE
		12'-0"	(1)600T250-33 & (1)600S137-33	S2	2"X2"X97MIL CLIP ANGLE
		16'-0"	(1)600T250-68 & (1)600S162-33	S2	2"X2"X97MIL CLIP ANGLE

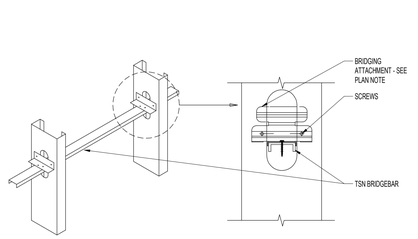


TYPICAL SILL SECTIONS
SCALE: NONE

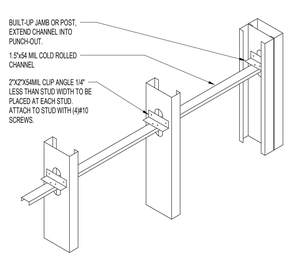


NOTE:
- IF SILL IS ATTACH TO STRUCTURAL STEEL, REPLACE EACH SCREW WITH (1) HILTI X-U 15

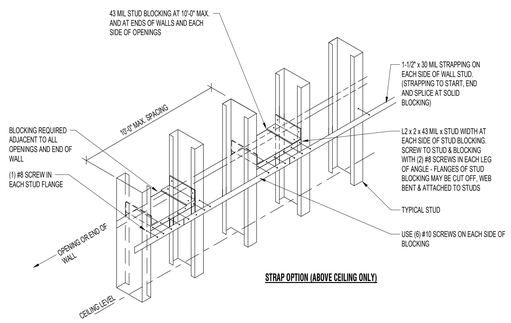
SILL CONNECTION DETAIL
SCALE: NONE



TSN BRIDGEBAR OPTION



COLD ROLL CHANNEL OPTION



STRAP OPTION (ABOVE CEILING ONLY)

NOTE:
- ATTACHEMNT=BRIDGECLIP WITH (1)#10 SCREW FOR TSN CLIP , OR SUBH3.25 WITH (1)#10 SCREW AND 3/8" WASHER FOR STUD WIDTH 3.625 OR ABOVE.
- WHEN DEEP LEG DEFLECTION TRACK IS USED, INSTALL ADDITIONAL ROW OF BRIDGING WITHIN 12" OF TOP SLIP TRACK.

BRIDGING DETAIL
SCALE: NONE

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No. 12128859-0301
3.31.2025
LICENSED ARCHITECT

project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025

revisions :

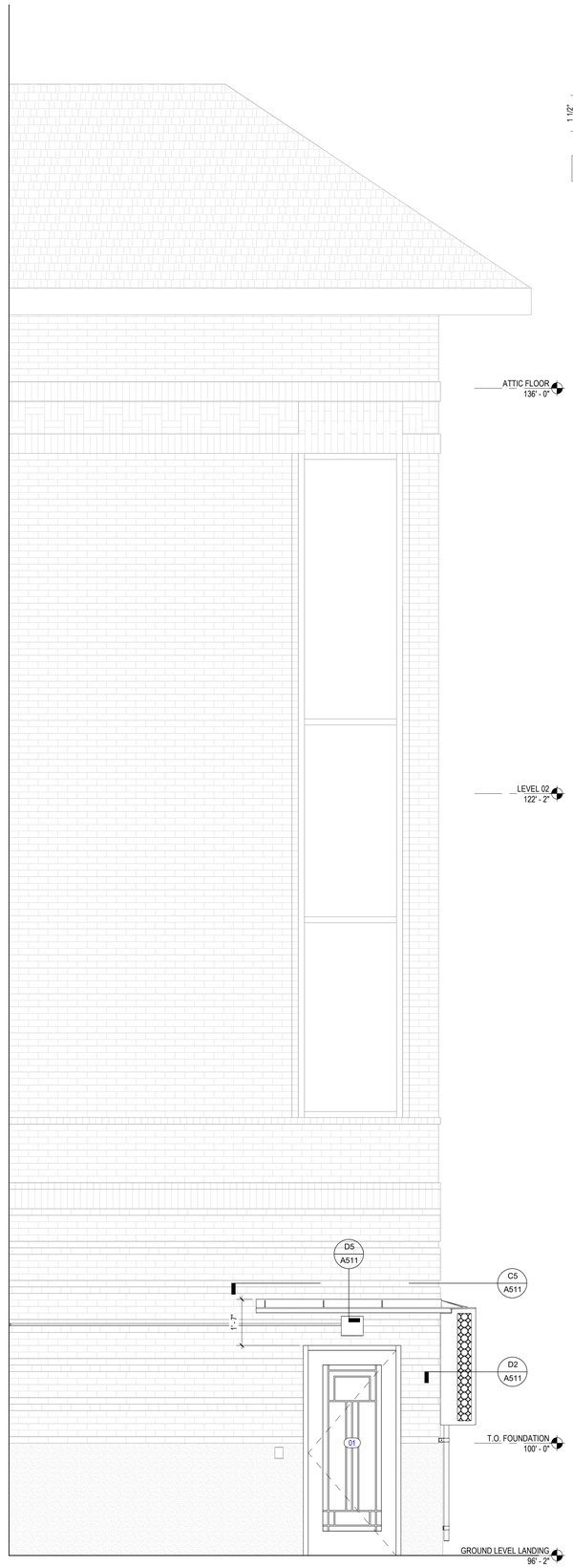
title:

INTERIOR STUD SCHEDULES & DETAILS

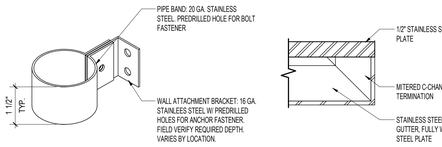
sheet:

A504

BID SET

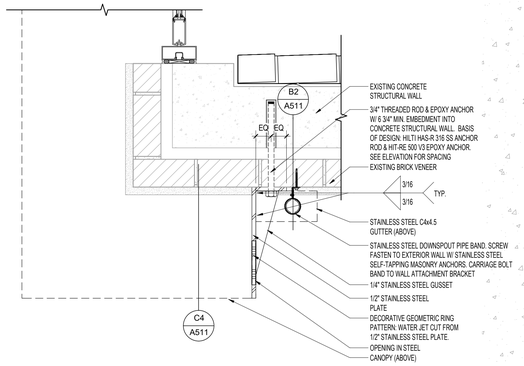


A1 STAIR TOWER - SOUTH FACING ELEVATION
1/2" = 1'-0"

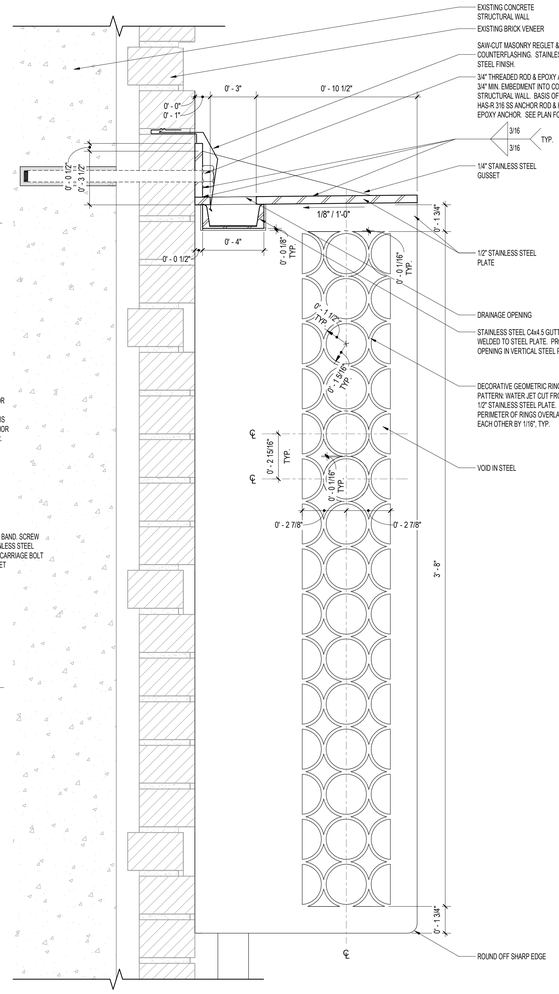


E2 DOWNSPOUT PIPE BAND

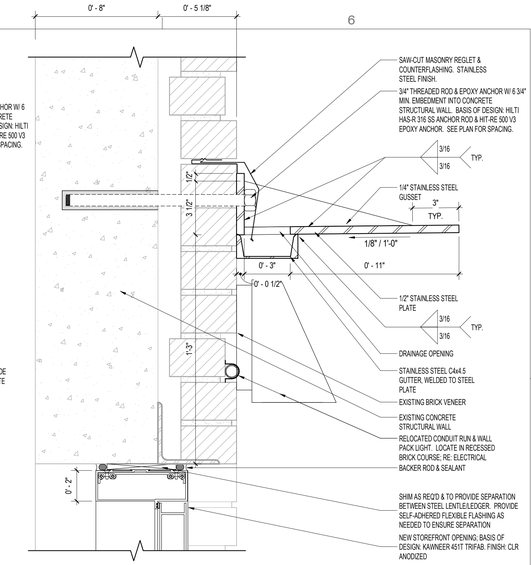
E3 GUTTER CAP - SECTION DETAIL
6" = 1'-0"



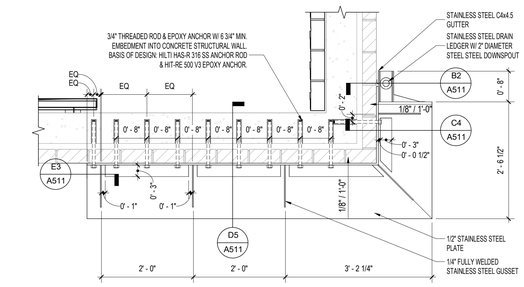
D2 ENTRY CANOPY - RETURN PLAN DETAIL
1 1/2" = 1'-0"



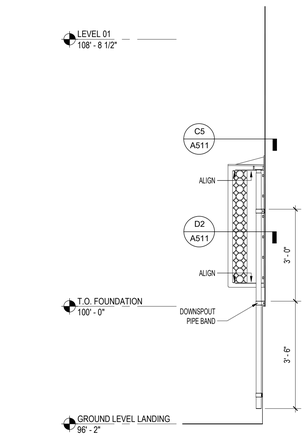
C4 ENTRY CANOPY - WEST SECTION DETAIL
3" = 1'-0"



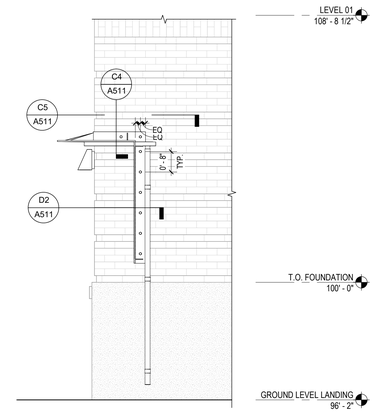
D5 ENTRY CANOPY - NORTH SECTION DETAIL
3" = 1'-0"



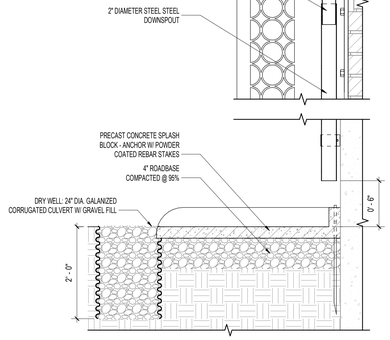
C5 ENTRY CANOPY PLAN VEIW
3/4" = 1'-0"



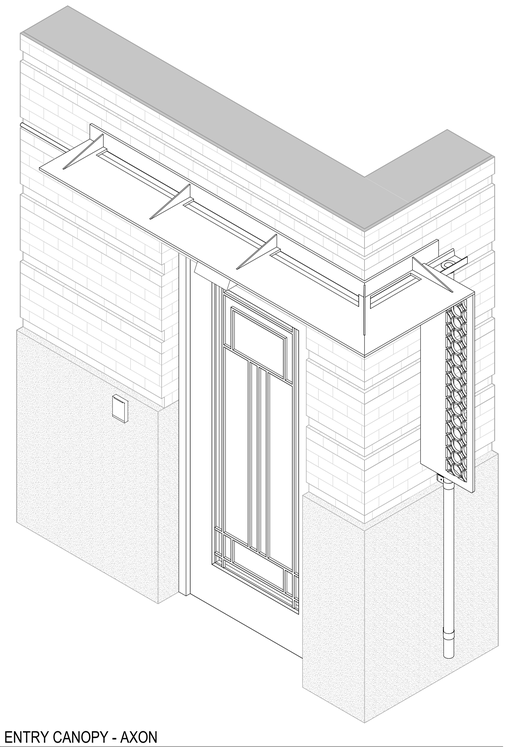
A4 STAIR TOWER - NORTH FACING ELEVATION
1/2" = 1'-0"



A2 STAIR TOWER - EAST FACING ELEVATION
1/2" = 1'-0"



B2 GUTTER & DOWNSPOUT SECTION DETAIL
1 1/2" = 1'-0"



A5 ENTRY CANOPY - AXON

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project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project #: 24.0515
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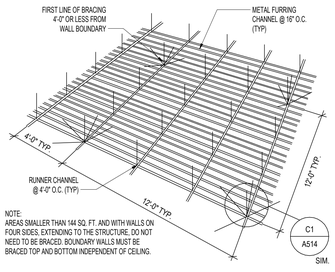
title:

GENERAL CONSTRUCTION DETAILS

sheet:

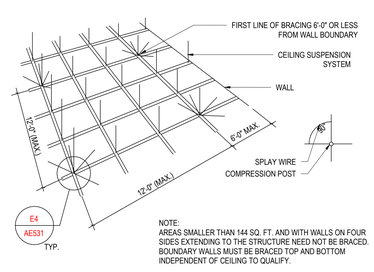
A511

BID SET



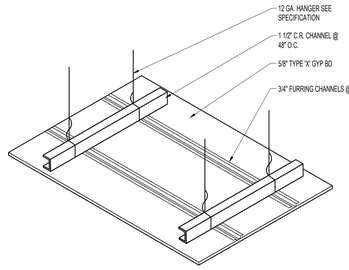
NOTE:
AREAS SMALLER THAN 144 SQ. FT. AND WITH WALLS ON FOUR SIDES, EXTENDING TO THE STRUCTURE, DO NOT NEED TO BE BRACED. BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING.

C2 TYP. CEILING SEISMIC BRACING GYP.
12" = 1'-0"

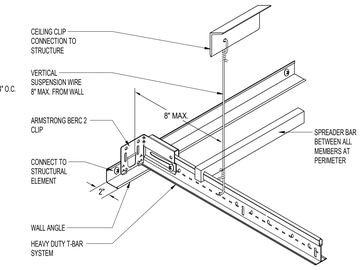


NOTE:
AREAS SMALLER THAN 144 SQ. FT. AND WITH WALLS ON FOUR SIDES EXTENDING TO THE STRUCTURE NEED NOT BE BRACED. BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING TO QUALIFY.

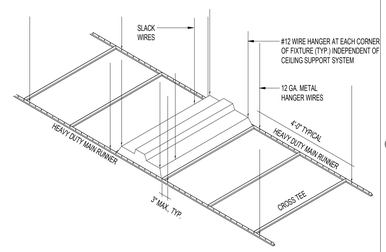
C3 CEILING SEISMIC BRACING AT LAY-IN
12" = 1'-0"



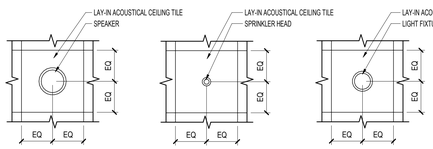
C4 SUSPENDED CEILING CHANNEL DETAIL
1 1/2" = 1'-0"



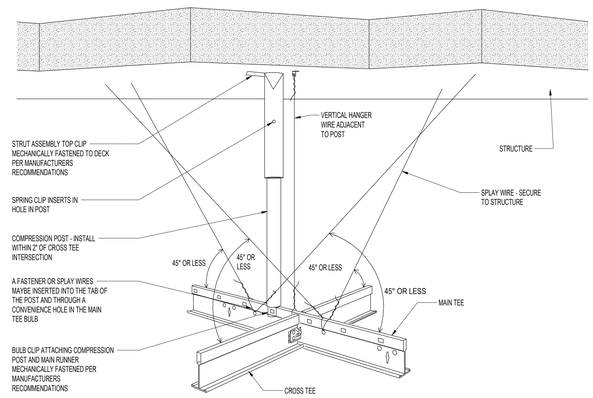
C5 TYP. CEILING SEISMIC DETAIL
3" = 1'-0"



C6 TYP. CEILING FIXTURE SUPPORT
1/64" = 1'-0"



A2 TYP. FIXTURE PLACEMENT
1 1/2" = 1'-0"



A3 TYP. CEILING SEISMIC BRACING
1 1/2" = 1'-0"

NOTE 1- ALL SPLAY WIRES TO BE IN LINE WITH ATTACHED COMPONENT

NOTE 2- ALL SPLAY WIRES TO BE TAUT AND TIED BOTH ENDS WITH MINIMUM OF THREE TURNS IN 1" OF RUN.

NOTE 3- COMPLY WITH IBC 2015, ASTM C635, ASTM C636 AND CISCA STANDARDS

NOTE 4- SPLAY WIRES SHALL ATTACH TO STRUCTURAL GIRDER OR JOIST ONLY, DO NOT ATTACH TO ROOF DECK.

NOTE 5- METAL COMPRESSION POST (STRUT) FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. COMPRESSION POSTS & SPLAY WIRES TO BE INSTALLED EVERY 12' O.C. BOTH DIRECTIONS STARTING 6" FROM WALL. SEE COMPRESSION POST ALLOWABLE LENGTHS TABLE FOR SIZES. SEE DETAILS 3 & 4 FOR TYPICAL BRACING.

NOTE 6- ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. WHEN INTERMEDIATE SYSTEMS ARE USED, ATTACH NO. 12 GAGE HANGERS TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE. LIGHT FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE TWO NO. 12 GAGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. COMPLY WITH IBC 2015

NOTE 7- ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED 20 LBS. SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS. TERMINALS OR SERVICES WEIGHING 20 LBS., BUT NOT MORE THAT 56 LBS., SHALL IN ADDITION HAVE TWO NO. 12 GAGE HANGERS CONNECTED TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS. COMPLY WITH IBC 2015

NOTE 8- ALL GRID SYSTEM IN SEISMIC ZONE D OR GREATER ARE REQUIRED TO BE HEAVY DUTY. REFER REQUIREMENTS TO ASCE 7 REQUIREMENTS.

NOTE 9- CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS, COORDINATE W/ SPECIFICATIONS.

NOTE 10 - SUSPENDED ACOUSTIC CEILINGS INSTALLED IN SEISMIC DESIGN CATEGORY D SHALL BE INSTALLED ACCORDING TO IBC 808.1.1.1, IBC 1613.1, ASTM C 635, ASTCM C 636, AND ASCE 7-10.

NOTE 11 - ACOUSTICAL PANEL CEILINGS REQUIRES SEISMIC DESIGN TO BE COMPLETED BY A LICENSE ENGINEER AND SUBMITTED FOR REVIEW AND APPROVAL. RE: SPECIFICATIONS.

COMPRESSION POST ALLOWABLE LENGTHS TABLE	
MATERIAL	TYP. ALLOWABLE LENGTH
13/16" x 13/32" STRUT 19 GA	24"
1 5/8" x 13/16" STRUT 12 GA	48"
13/16" x 13/16" STRUT 19 GA	54"
1 5/8" x 1" STRUT 12 GA	60"
3 5/8" x 1 1/4" STRUT 16 GA	82"
1 1/4" x 1 1/4" STRUT 14 GA	84"
1 5/8" x 1 3/8" STRUT 12 GA	96"
1 5/8" x 1 5/8" STRUT 12 GA	108"
1 5/8" x 2 7/16" STRUT 12 GA	120"

NOTES
1. THE INFORMATION PROVIDED IS FOR QUICK REFERENCE ONLY. OTHER RESTRICTIONS AND EXEMPTIONS MAY APPLY.
2. WALL MOLDING SHOULD NOT BE USED AS STRUTS.
3. A STRUCTURAL ENGINEER SHOULD BE CONSULTED FOR LENGTHS GREATER THAT 14'.

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project:

USU RAY B. WEST RENOVATIONS

CHAMP DR.
LOGAN, UT 84321

project#: 24.0515
date: 03.31.2025
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title:

CEILING DETAILS

sheet:

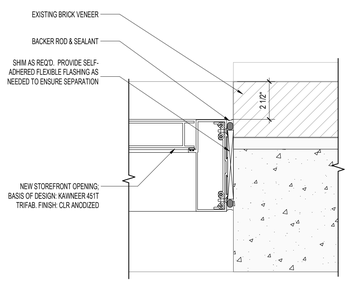
A571

BID SET

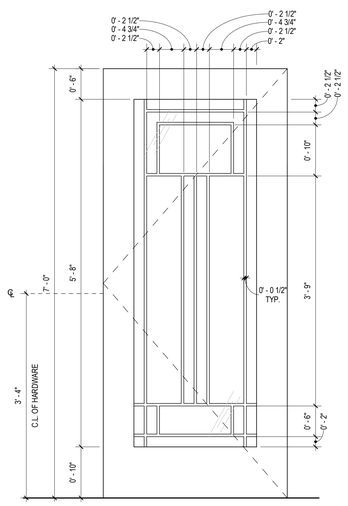
DOOR SCHEDULE - ALL

ALL DOOR HANDLES & HARDWARE USED ON THE PROJECT MUST NOT REQUIRE PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST IN ORDER TO OPERATE, IN ACCORDANCE WITH 2018 IBC 1010.1.9.1

DOOR NUMBER	ROOMS		DOOR DIMENSIONS			DOOR			FRAME			PANIC HW	CARD ACCESS	ELEC HW	CLOSER	LOCKING	DOOR NUMBER	COMMENTS
	TO	RM #	WIDTH	HEIGHT	THK	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH							
GROUND LEVEL LANDING																		
01	STAIR TOWER	01	3' - 0"	7' - 0"	2"	DT1	ALUM/GLASS	CLR. ANODIZED	F1	ALUM	CLR. ANODIZED	•					**01**	NEW DOOR, CRASH BAR REQUIRED
E1	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-				PNT-03	•					**E1**	EXISTING DOOR, CRASH BAR REQUIRED, OPENING TO RECEIVE MAGNETIC HOLD-OPEN TIED TO FIRE ALARM SYSTEM
E2	CORRIDOR	02	3' - 8"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E2**	EXISTING
E3	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E3**	EXISTING
E4	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E4**	EXISTING
E5	CORRIDOR	02	3' - 6"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E5**	EXISTING
E6	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E6**	EXISTING
E7	CORRIDOR	02	2' - 8"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E7**	EXISTING
E8	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E8**	EXISTING
E9	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E9**	EXISTING
E10	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E10**	EXISTING
E11	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E11**	EXISTING
E12	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E12**	EXISTING
E13	CORRIDOR	02	3' - 6"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E13**	EXISTING
E14	CORRIDOR	02	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E14**	EXISTING
E15	CORRIDOR	03	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E15**	EXISTING
E16	CORRIDOR	03	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E16**	EXISTING
E17	CORRIDOR	03	3' - 0"	7' - 0"	1 3/4"	-	-	-			PNT-03						**E17**	EXISTING

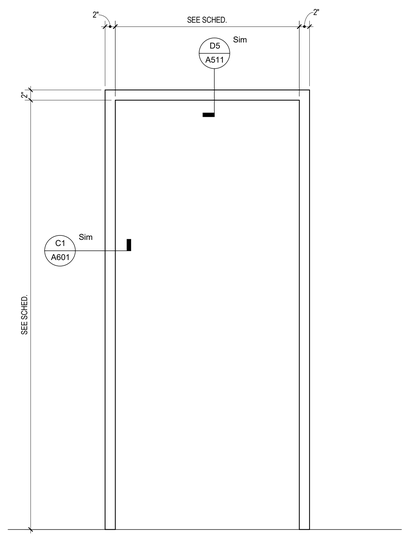


C1 STOREFRONT DOOR JAMB DETAIL AT EXISTING WALL
3" = 1'-0"



DT1

ALUMINUM STOREFRONT W/ FULL LITE & CUSTOM ALUMINUM INTERNAL MUNTIN TO MATCH MAIN BUILDING ENTRY



F1

EXTERIOR THERMALLY BROKEN ALUMINUM STOREFRONT CLR. ANODIZED FINISH

GENERAL NOTES - DOORS

1 ALL HOLLOW METAL FRAMES AND DOORS ARE TO BE PAINTED TO MATCH ADJACENT WALL FINISH, UNLESS NOTED OTHERWISE

2 ALL INTERIOR HOLLOW METAL FRAME WIDTHS ARE TO MATCH WALL WIDTHS; COORDINATE WITH VERTICAL ASSEMBLY TYPES

3 WOOD GRAIN DIRECTION TO BE VERTICAL, UNLESS NOTED OTHERWISE

4 FINISH OF METAL FRAMES ADJACENT TO METAL PANEL TO MATCH METAL PANEL COLOR, UNLESS NOTED OTHERWISE

5 COLOR TRANSITIONS TO OCCUR AT INSIDE OF FRAME STOP

6 DOORS SERVING SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE. SEE DOOR HARDWARE SPECIFICATIONS

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title:

DOOR SCHEDULE, DOOR TYPE & DETAILS

sheet:

A601

BID SET

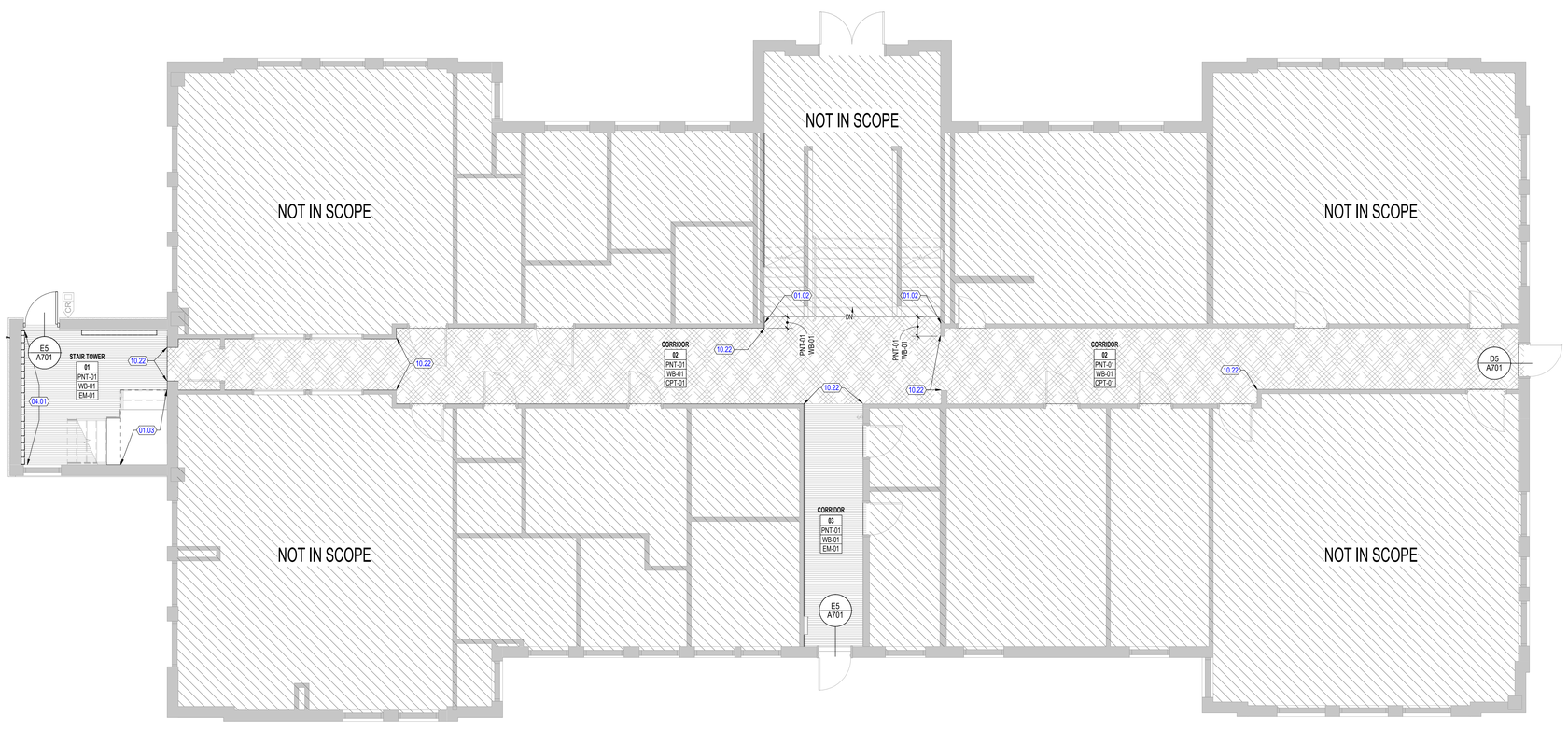
*MS_FINISH SCHEDULE

SCEDULED MATERIALS AND FINISHES SHALL BE USED FOR BASIS OF DESIGN U.N.O.

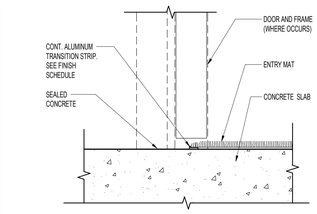
CODE	PRODUCT TYPE	MANUFACTURER	STYLE	COLOR	DIVISION	FINISH NOTES/ REMARKS	SPECIFICATION
DIVISION 04 - MASONRY							
BR-01	BRICK VENEER	INTERSTATE		DESERT SAND	DIVISION 04 - MASONRY		
DIVISION 06 - WOODS, PLASTICS & COMPOSITES							
WD-01	SOLID HARDWOOD	-	RIFT CUT WHITE OAK	STAINED TO MATCH ARCHITECTURAL SAMPLE	DIVISION 06 - WOODS, PLASTICS & COMPOSITES	SEE INTERIOR ELEVATIONS & DETAILS FOR LOCATION	GRAIN TO RUN VERTICALLY UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
DIVISION 09 - BASE & TRANSITIONS							
TS-03	METAL EDGE TRIM	SCHLUTER	JOLLY	SATIN ANNODIZED ALUMINUM	DIVISION 09 - BASE & TRANSITIONS		HEIGHT TO MATCH MATERIAL THICKNESS. INTSALL PER MANUFACTURERS INSTRUCTIONS.
WB-01	RUBBER WALL BASE	TARKETT	4" TOE BASE	DOVER	DIVISION 09 - BASE & TRANSITIONS	SEE FINISH PLANS FOR LOCATIONS	SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
DIVISION 09 - CEILINGS							
ACP-01	ACOUSTICAL CEILING PANEL	ARMSTRONG	DUNE SECOND LOOK II, HUMI GUARD	2712A	DIVISION 09 - CEILINGS	SEE RCP FOR LOCATIONS	24" X 24", 15/16 GRID
ACP-02	ACOUSTICAL CEILING PANEL	ARMSTRONG	DUNE SECOND LOOK II, HUMI GUARD	2712A	DIVISION 09 - CEILINGS	SEE RCP FOR LOCATIONS	24" X 48", 15/16 GRID
DIVISION 09 - FLOORS							
CPT-01	CARPET TILE	SHAW CONTRACT	5T447 STEPPE TILE, 9X36	06555 SEDIMENT	DIVISION 09 - FLOORS	INSTALLATION PATTERN: HERRINGBONE. SEE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION METHODS. RE: FINISH PLANS FOR LOCATIONS	50CM X 50CM
EM 01	ENTRY CARPET	SHAW CONTRACT	WELCOME II TILE	31549 CHARCOAL	DIVISION 09 - FLOORS	@ ENTRY AREA, RE: FINISH PLANS FOR LOCATIONS	24" X 24"
DIVISION 09 - PAINT & WALLCOVERING							
PNT-01	FIELD WALL PAINT	SHERWIN WILLIAMS	SNOWBOUND	SW 7004	DIVISION 09 - PAINT & WALLCOVERING	SATIN FINISH	FIELD PAINT. SEE FINISH PLANS FOR LOCATIONS
PNT-01a	DOOR FRAMES PAINT	SHERWIN WILLIAMS	SNOWBOUND	SW 7004	DIVISION 09 - PAINT & WALLCOVERING	SEMI GLOSS FINISH	TRIM PAINT. SEE DOOR SCHEDULE FOR LOCATIONS
PNT-02	ACCENT WALL PAINT	SHERWIN WILLIAMS	MINDFUL GRAY	SW 7016	DIVISION 09 - PAINT & WALLCOVERING	SATIN FINISH	ACCENT PAINT. SEE SHEET A411 FOR LOCATION
PNT-03	ACCENT WALL PAINT	SHERWIN WILLIAMS	DOVETAIL	SW 7018	DIVISION 09 - PAINT & WALLCOVERING	SATIN FINISH	ACCENT PAINT. SEE SHEET A411 FOR LOCATION
DIVISION 10 - SPECIALTIES							
CG-01	CORNER GUARD	INPRO	ALUMINUM CORNER GUARD, 1/2" WING X 4" H	SATIN ANODIZED ALUMINUM	DIVISION 10 - SPECIALTIES	SEE FINISH PLANS FOR LOCATIONS	
TB-01	TACK BOARD	FORBO	BULLETIN BOARD	2182 POTATO SKIN	DIVISION 10 - SPECIALTIES		

TRANSITION SCHEDULE

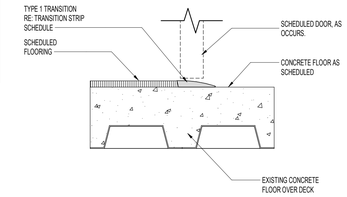
CODE	PRODUCT TYPE	MANUFACTURER	MAKE/MODEL	FINISH	SPECIFICATIONS	COMMENTS
TS-02	CARPET TO CONCRETE TRANSITION	TARKET	EG-XX-G	TO BE SELECTED FROM MANUFACTURERS FULL LINE OF COLORS		HEIGHT TO MATCH MATERIAL THICKNESS. INSTALL PER MANUFACTURERS INSTRUCTIONS. SUB-CONTRACTOR TO CONFIRM SIZE



A1 LEVEL 1 - FINISH PLAN
3/16" = 1'-0"



E5 ENTRY MAT TO SEALED CONC. TRANS.
3" = 1'-0"



D5 CARPET TO CONCRETE TRANSITION
3" = 1'-0"

GENERAL NOTES - FINISH

1. SEE FLOOR PLANS FOR INTERIOR ELEVATIONS
2. ALL MATERIALS TO BE INSTALLED PER SPECIFIC MANUFACTURER'S INSTALLATION RECOMMENDATIONS
3. FLOORING MATERIAL TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR THRESHOLDS, UNLESS NOTED OTHERWISE
4. PREPARE FLOORS/WALLS TO RECEIVE FINISH MATERIAL. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION. NOTIFY ARCHITECT IF CONDITIONS ARE INADEQUATE FOR REQUIRED INSTALLATION
5. REFER TO ROOM FINISH LEGEND ON SHEET SERIES A600 FOR MORE INFORMATION
6. SEE DIMENSION PLAN SHEET SERIES A120 FOR WALL TYPE LOCATIONS; SEE SHEET SERIES A500 FOR WALL TYPE AND ASSEMBLY DESCRIPTIONS
7. CONTRACTOR TO PROVIDE SOLID BLOCKING AT ALL CASEWORK, FIXED FURNISHINGS, AND EQUIPMENT. COORDINATE WITH ELEVATIONS, SECTIONS, FURNITURE, FIXTURE SHEETS, AND SPECIFICATIONS
8. SEE SHEET SERIES A600 FOR TYPICAL DETAILS
9. TILE INSTALLER TO FOLLOW TCNA & ANSI GUIDELINES
10. ALL FLOORING MATERIALS ARE TO RUN WALL TO WALL AND BENEATH CASEWORK
11. VERIFY LOCATION OF POINT OR ORIGIN OF TILE AND CONTROL JOINTS ON SHOP DRAWINGS AND WITH ARCHITECT ON-SITE PRIOR TO INSTALLATION
12. ALL GROUT TO BE SEALED
13. GENERAL CONTRACTOR TO COORDINATE POWER/DATA PLACEMENT WITH FURNITURE PROVIDER
14. LEVEL 5 FINISH REQUIRED FOR ALL WALL GRAPHIC AND WALLCOVERING LOCATIONS. SEE FINISH PLANS AND ELEVATIONS FOR LOCATIONS
15. ALL METAL STUD WALLS TO DECK ABOVE, UNLESS NOTED OTHERWISE; SEE SHEET SERIES A500 FOR WALL TYPES
16. PROVIDE DEFLECTION TRACKS AT ALL STUD WALLS. SEE DETAILS ON SHEET SERIES A500
17. ALL EXPOSED METAL TO BE INSTALLED PER SPECIFIC MANUFACTURER'S INSTALLATION RECOMMENDATIONS
18. CREATE A CLEAN, STRAIGHT TRANSITION LINE FROM POLISHED SEALED CONCRETE FLOORING TO SEALED CONCRETE FLOORING UNDER DOORS. USE APPROPRIATE MEANS TO ACHIEVE A CLEAN TRANSITION

FLOOR FINISH LEGEND

CPT-01	**CARPET TILE**	
CPT-02	**CARPET TILE**	
EM-01	**WALK-OFF MAT**	

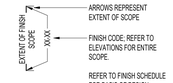
*** SEE ENLARGED FINISH PLANS + INTERIOR ELEVATIONS+ FINISH SCHEDULE SHEET FOR MORE INFORMATION ***

FINISH KEY

TYP. ROOM FINISH TAG

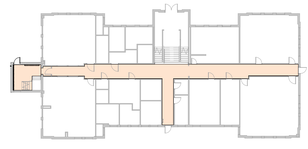
NOTE: INDICATES MAIN FIELD FINISH; ASSUME THIS FINISH IN ENTIRE AREA UNLESS AN ACCENT IS CALLED OUT IN PLANS OR ELEVATION

ACCENT TAG



KEYED NOTES

01.02	FIELD VERIFY EXISTING CONDITION
01.03	NO FLOOR FINISH INSTALLED UNDER THIS PORTION
04.01	BRICK ANGLED PATTERN, RE: DETAIL
10.22	CORNER GUARD, RE: ACCESSORY SCHEDULE



ADD ALTERNATE #2 - HALLWAY CARPET/ BASE

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STATE OF UTAH
KELTON REED BERRETT
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USU RAY B. WEST RENOVATIONS

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project#: 24.0515
date: 03.31.2025
revisions :

title:

LEVEL 1 FINISH PLANS & SCHEDULE

sheet:

A701

BID SET

LEGEND OF MECHANICAL SYMBOLS

ANNOTATIONS

EF 1	EQUIPMENT IDENTIFICATION
1	KEYED NOTE IDENTIFICATION

KEYED NOTES

1. DEMOLISH EXISTING ELECTRIC UNIT HEATER.
2. INSTALL NEW CABINET HEATER 0'-4" ABOVE FINISHED FLOOR LEVEL.

GENERAL NOTES

1. REPLACE DAMAGED DIFFUSERS WITHIN ARCHITECTURAL SCOPE WITH TYPE CD-1 DIFFUSER AS NOTED IN SCHEDULE. CONTRACTOR TO OBTAIN AIRFLOW MEASUREMENT BEFORE REMOVAL, AND BALANCE NEW DIFFUSER TO PREVIOUS CFM. PROVIDE DIFFUSER WITH SAME NECK AND FACE SIZE AS PREVIOUSLY REMOVED.

CABINET UNIT HEATER (ELECTRIC)

			CAPACITY		ELECTRICAL	PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	MEDIUM	HEATING OUTPUT (BTUH)	VOLT/PH/HZ	DEPTH/ WIDTH/ HEIGHT (IN)	NOTES
EUH-1	MARKEL 85 3 7 750 F B	WEST STAIR TOWER	ELECTRIC	17,900	208/1/60	84/5/50	(1)(2)(3)

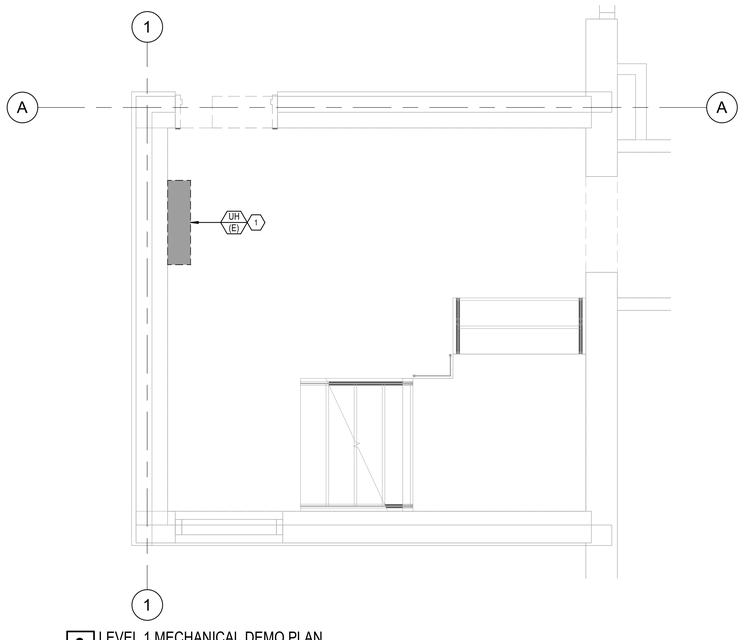
(1) HEATING CAPACITY IS AT SITE ELEVATION.

(2) WITH BUILT-IN TAMPERPROOF THERMOSTAT SET FOR 55 DEGREES (ADJUSTABLE) & WALL SURFACE MOUNTING KIT.

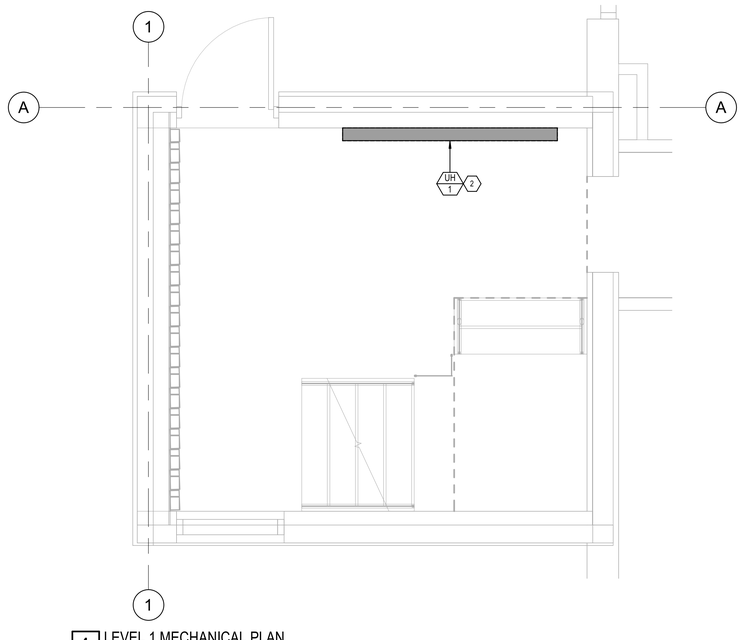
(3) PROVIDE FACTORY PROVIDED DISCONNECT

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	SIZE	MAX CFM	MAX NC	DESCRIPTION
CD-1	EH PRICE	SCD	6" DIA	110		SQUARE CONE CEILING DIFFUSERS. REMOVABLE FACE & CORE
			8" DIA	235	(1)	ALUMINUM CONSTRUCTION WITH OBD. FRAME SHALL BE FOR SURFACE
			10" DIA	420	20	OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES
			12" DIA	600		SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING
			14" DIA	800		TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR BY ARCHITECT.
			15" DIA	890		



2 LEVEL 1 MECHANICAL DEMO PLAN
1/2" = 1'-0"



1 LEVEL 1 MECHANICAL PLAN
1/2" = 1'-0"

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date: March 21, 2025
revisions :

title:

MECHANICAL PLAN

sheet:

M101

PERMIT SET

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	ROUGH-IN REQUIREMENTS	NOTES
ACS	ACCESS CONTROL SYSTEM HEAD END	SEE EY651	
		SEE EY651	
CR	CARD READER	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO ACS	
CR	CARD READER MULLION MOUNTED	AT 40" AFF; 1" CONDUIT TO ACS	
	DOOR LOCK TYPE [M] - MAG LOCK [L] - LEVER SET LOCK [NO LETTER] - GENERIC LOCK [T] - ELECTRIC TRANSFER HINGE [S] - ELECTRIC STRIKE LOCK [C] - CRASH BAR LOCK [O] - OPERATOR LOCK	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR	SEE DOOR ROUGH IN DETAIL EY551	
	REQUEST TO EXIT DEVICE [M] - MOTION REX [L] - LEVER SET REX [NO LETTER] - GENERIC REX [C] - CRASH BAR REX [D] - DELAYED EGRESS REX	SEE DOOR ROUGH IN DETAIL EY551	

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
X-X XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE SEE XXX-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
X-X 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
FIRE ALARM	
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	MAGNETIC DOOR HOLDER.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CI	CONTACT INDICATOR
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CR	CARD READER
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HWM	HORIZONTAL WIRE MANAGEMENT
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OE	OWNER ELECTRONICS
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
PV	PHOTO VOLTAIC
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RO	REMOTE DOOR OPEN
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VF D	VARIABLE FREQUENCY MOTOR CONTROLLER
VIC	VIDEO INTERCOM SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
XFMR	TRANSFORMER

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC..

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC. SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

ELECTRICAL SHEET INDEX

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date: 03.28.2025

revisions :

title:

ELECTRICAL COVER SHEET

sheet:

E001

DESIGN DEVELOPMENT

GENERAL REQUIREMENTS:

CODE ANALYSIS: IBC 2021

BUILDING OCCUPANCY: GROUP B - BUSINESS

ENERGY CODE: IECC 2021

Comply with the requirements of all required building codes, including, but not limited to the National Electrical Code, International Building Code, International Energy Conservation Code, Local Codes, and International Building Codes.

Coordinate work with USU representative and all USU standards.

Materials other than those specified may be accepted providing a written request is submitted to the engineer at this least 10 working days prior to bid opening. Approved products will be listed in the addendum.

All equipment shall be new and contain the manufacturer's name, model number and electrical characteristics.

All equipment shall be UL listed for it's intended use and/or approved by the authority having jurisdiction.

Provide Original electronic PDF format, bound, bookmarked (each section and product), and highlighted.

Job name and subcontractor shall be on the front cover. Prepare an index of equipment submitted in each tab.

Electronic submittals shall be submitted to the Architect within 21 days of award on the contract, unless otherwise directed by Architect.

SUBMITTALS:

Submittals shall include all electrical material provided as it related to this project and shall specifically include but is not limited to: wiring devices, raceways, Surface Raceways, floorboxes, lighting fixtures, lighting controls, panels and breakers, disconnects, telephone/data structured cabling systems, fire alarm systems, access controls system, intrusion detection system, and lightning protection systems as indicated below or on the other contract documents.

Provide as-built drawings to Architect before application for final payment. Request a clean set of drawings from Architect and prepare these drawings in a quality equal to that of the original drawings.

INSTALLATION REQUIREMENTS:

Electrical plans are diagrammatic. Verify exact equipment locations for all equipment. Coordinate with architectural and mechanical drawings and existing conditions to avoid conflicts. All work shall be installed in a neat, inconspicuous, workmanlike manner. Conduit runs shall be parallel and perpendicular to structural lines where exposed.

Outlet boxes, fixtures and equipment shall be securely mounted and supported.

The site shall be left clean and free of dirt and debris. Panels, fixtures, outlets and equipment shall be left clean and free of foreign materials and dirt.

Panels, switches, and all controls shall be clearly and permanently labeled with laminated engraved labels. Where changes are made in existing panels, distribution centers, etc., the labeling and schedules shall be accurately corrected to reflect the changes. New typed panel schedules shall be provided for all existing panelboards that have changes.

Receptacles and light switch cover plates shall be labeled with a permanent adhesive typed label indicating the panel and circuit number.

All wiring shall be installed in raceways except where otherwise specifically shown on the Drawings.

SAFETY:

The Engineer has not been retained or compensated to provide construction review related to the Contractor's safety precautions or to means, methods, sequences, or procedures required for the contractor to complete the work.

SEISMIC BRACING AND SUPPORTS:

Contractor shall be responsible to seismically brace all equipment, feeders, lights, cabletray, and other electrical items in accordance with prevailing codes. Deferred submittals of seismic bracing shall be required upon request and shall comply with ASCE 7-16 for support and bracing of non-structural systems.

GUARANTEE:

Guarantee the electrical installation against all defects in materials, equipment and workmanship, for one year after the date of acceptance of the work. Defects shall be promptly remedied to the satisfaction of the Architect at no cost to the Owner. All equipment and products shall carry a minimum 1 year warranty from the date of final acceptance by the Owner.

MATERIALS AND METHODS:

Electrical metallic tubing may be used in dry locations not subject to mechanical injury. Provide EMT in 3/4" minimum size. All conduit shall be concealed in finished spaces unless noted otherwise.

Surface metal raceway is not permitted unless approved in writing by architect or specifically allowed in the drawings.

Provide EMT from electrical panel to first device in circuit or areas subject to damage or in exposed area. Flexible metal conduit or MC is allowed from first device to subsequent devices and must be located and concealed in walls or ceilings. Non-metallic sheathed cable (romex) is not allowed. Flexible metal conduit is permitted where flexibility is necessary and when connecting to equipment subject to vibration such as motors or transformers.

EMT connectors to be steel, zinc or cadmium coated, factory pre-insulated. Conduit bushings to be heavy duty, insulated.

Wire shall be copper THHN/THWN-2 for copper sizes #2 and smaller. Unless otherwise shown on the Drawings, copper #12 is the minimum size for lighting and power use. Size wire as indicated on the drawings, or appropriate to carry the entire load per the NEC and voltage drop.

Provided dedicated neutral wiring for all branch circuits, common (shared) neutral wiring is not permitted. For branch circuiting longer than 100 feet, increase wire size by one size to control voltage drop. All wiring shall be color coded with solid coloring or for sizes above #6 may have colored tape bands at all accessible locations and ends, color coding shall be as follows:

Phase A - Black; Neutral A - White with/Black stripe

Phase B - Red; Neutral B - White with/Red stripe

Phase C - Blue; Neutral C - White with/Blue stripe

Ground - Green

If existing wiring is found to be different than the above, match existing color scheme.

Boxes to be 4 inch octagonal for lighting outlets and 4 inch square backboxes (minimum 1-1/2 inches depth) with appropriate device covers for device outlets in concealed work. Provide single gang mud rings for single gang outlets. Do not install outlet boxes back to back in the same stud space. Outlet boxes shall be installed not more than 1/8 inch back in sheetrock and plumb.

EQUIPMENT CONNECTIONS:

Connect each item of mechanical or other types of equipment shown on the Drawings, providing all power requirements. Verify equipment electrical requirements prior to roughing-in and ordering equipment.

Furnish all code required disconnects under this work, whether specifically shown or not.

Control devices and control wiring will be furnished and installed under other work unless specifically called for on the electrical drawings

LIGHTING FIXTURES:

All lighting shall be LED.

Fixtures shall be adequately supported with a safety factor of four. Fixtures shall be stabilized or locked into place to resist seismic forces. Support all recessed fixtures independently of the ceiling system, using wire tied from two corners of the fixture to the structure above. For suspended fixtures on dropped ceiling, locate boxes at the dropped ceiling level and support independent of the ceiling.

Fixtures shall all be clean and in proper operation at the time of acceptance of the work.

LIGHTING CONTROLS:

Provide lighting controls from Wattstopper DLM. For existing emergency lighting fixtures, provide Branch Circuit Emergency Lighting Transfer Switch device equal to Bodine GTD-20.

Ceiling mounted occupancy sensors: LMDC-100

Single Relay room controller: LMRC-111-20M

The contractor shall perform or shall engage a party to perform the following tests and inspections with the assistance of a factory-authorized service representative.

Provide new lighting controls for automatic lighting systems comply with 2021 IECC section C405. Ensure that control hardware and software are calibrated, adjusted, programmed and in proper working condition in accordance with the construction documents and manufacturer's installation instructions. Commissioning; Provide the following procedures for each; occupant sensor, time switch, programmable schedule control, photosensor, and daylighting control.

Confirm that the placement, sensitivity, and time-out adjustments for the occupant sensor s yield acceptable performances.

Confirm that the time switches and programmable schedule controls are programmed to turn the lights off.

EQUIPMENT CONNECTIONS:

Connect each item of mechanical or other types of equipment shown on the Drawings, providing all power requirements. Verify equipment electrical requirements prior to roughing-in and ordering equipment.

Furnish all code required disconnects under this work, whether specifically shown or not.

Control devices and control wiring will be furnished and installed under other work unless specifically called for on the electrical drawings.

FIRE ALARM:

Fire Alarm system shall remain in operation during the remodel work.

Submit all items in the IFC 907.1.1 to the AHJ and obtain approval prior to ordering equipment and rough-in work. Existing system is Notifier by Honeywell. Coordinate with manufacturer for requirements necessary to add aux power circuit as needed to extend 12V to the new magnetic door holder.

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USU RAY B. WEST RENOVATIONS

CHAMP DR.
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project#: 24.0515
date: 03.28.2025
revisions :

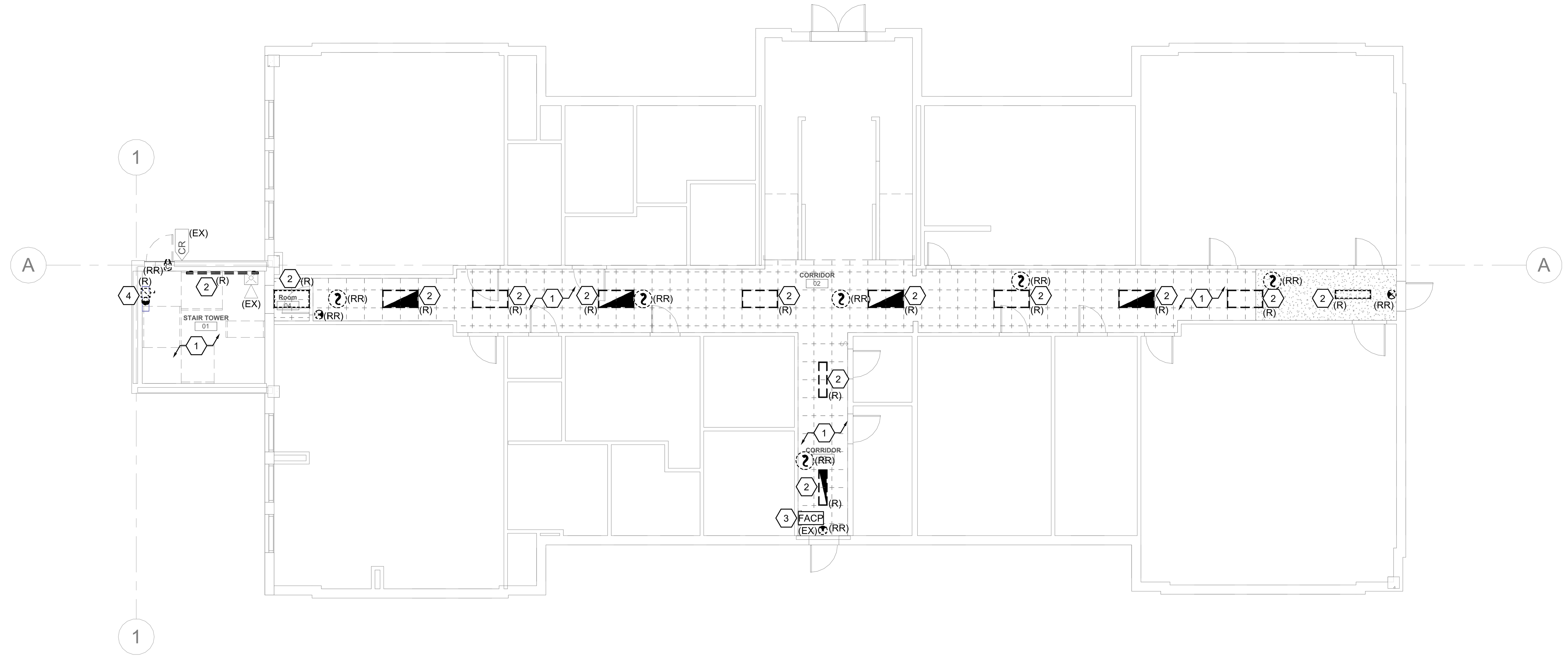
title:

SPECIFICATIONS

sheet:

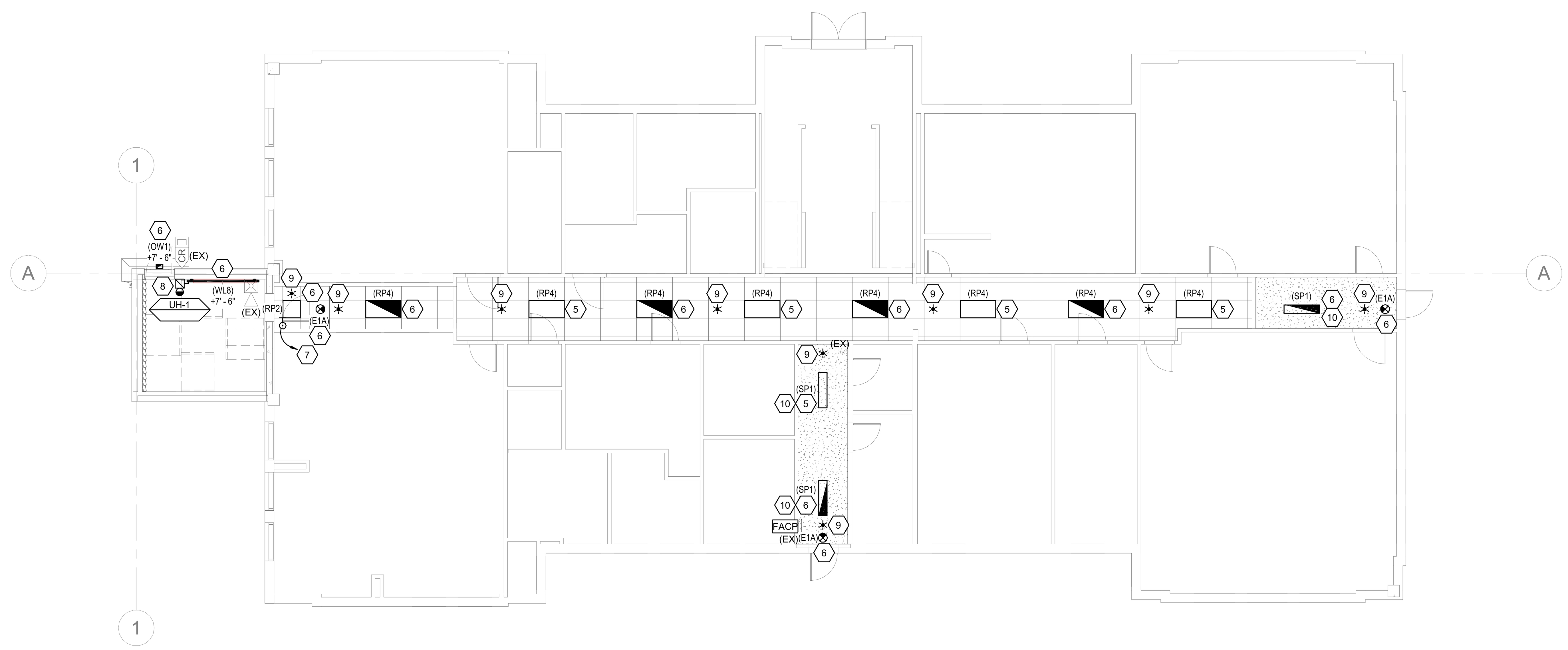
E002

DESIGN DEVELOPMENT

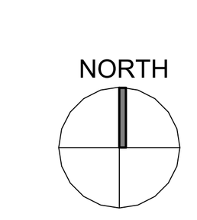


C2 LEVEL 1 ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'



A2 LEVEL 1 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



0 4' 8' 16'

GENERAL SHEET NOTES

1 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

2 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

3 LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LCOATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

4 LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT. WITH CLEARANCES PER NEC.

5 VERIFY ALL ELECTRICAL REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN.

6 CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.

7 CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.

8 ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.

9 ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2021 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

10 ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.

11 ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.

12 ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.

13 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. IN SPACES WITH OPEN CEILINGS PRIOR TO ROUGH-IN.

14 COORDINATE FIRE RATED CONSTRUCTION AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS AND DETAILS.

⬡ SHEET KEYNOTES

1 PROTECT AND MAINTAIN ALL EXISTING FIRE ALARM DEVICES SERVING THIS AREA.

2 DEMOLISH EXISTING LIGHT FIXTURE. MAINTAIN EXISTING BRANCH CIRCUITING FOR RECONNECTION TO NEW LIGHT FIXTURE DURING NEW CONSTRUCTION.

3 PROTECT AND MAINTAIN EXISTING FACP.

4 REMOVE EXISTING ELECTRICAL CONNECTIONS TO DEMOLISHED UNIT HEATER. MAINTAIN EXISTING CONDUIT AND CONDUCTOR FOR FUTURE EXTENSION TO NEW UNIT HEATER DURING NEW CONSTRUCTION.

5 CIRCUIT LIGHT FIXTURE TO EXISTING NORMAL LIGHTING BRANCH CIRCUIT PROTECTED DURING DEMOLITION. EXTEND CONDUIT AND CONDUCTOR AS REQUIRED.

6 CIRCUIT LIGHT FIXTURE TO EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT PROTECTED DURING DEMOLITION. EXTEND CONDUIT AND CONDUCTOR AS REQUIRED.

7 CIRCUIT NEW DOOR HOLD TO EXISTING FACP. PROVIDE ALL CONDUIT AND CONDUCTOR AS REQUIRED. FIELD COORDINATE ANY ADDITIONAL REQUIREMENTS PRIOR TO ROUGH-IN.

8 PROVIDE ELECTRICAL CONNECTIONS FOR NEW UNIT HEATER. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTOR AS REQUIRED FROM PREVIOUS LOCATION OF DEMOLISHED UNIT HEATER. PROVIDE ALL REQUIRED HARDWARE. FIELD COORDINATE EXACT LOCATION OF EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.

9 PROVIDE NEW OCCUPANCY SENSORS IN CORRIDORS FOR CONTROLS FOR NEW LIGHTS. FIELD COORDINATE EXACT LOCATIONS WITH ANY ADDITIONAL MEP LOCATED IN NEW CEILING PRIOR TO ROUGH-IN.

10 PROVIDE SURFACE MOUNTED TROFFER AT HARD LID CEILING LOCATIONS. FIELD COORDINATE EXACT LOCATIONS WITH ARCHITECT PRIOR TO ORDERING AND ROUGH-IN.

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project#: 24.0515
date: 03.28.2025
revisions :

title:

LEVEL 1 ELECTRICAL PLANS

sheet:

E101

DESIGN DEVELOPMENT

GENERAL SHEET NOTES

1 MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

B - EQUIPMENT SHOP DRAWINGS.

C - FIELD INSTRUCTIONS.

2 MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.

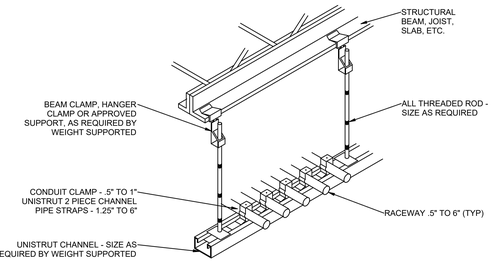
3 SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

4 LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.

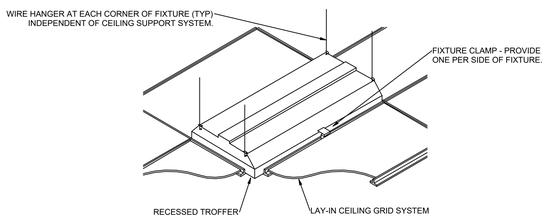
5 VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.

6 LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

7 WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.



C5 TYPICAL CONDUIT RACK DETAIL
SCALE: NTS



B5 RECESSED FIXTURE MOUNTING DETAIL
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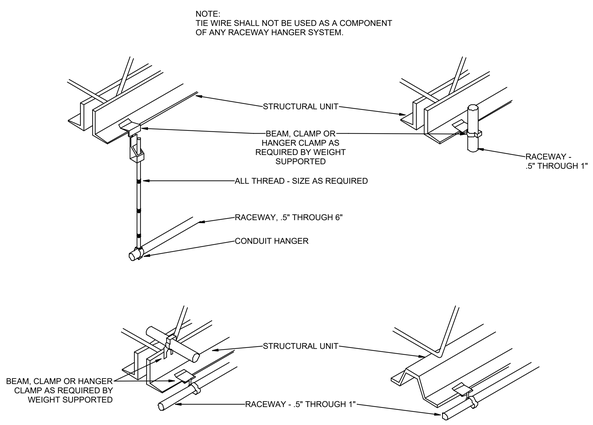
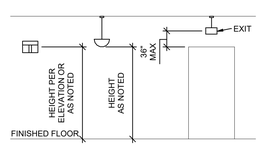
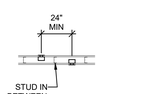


A3 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



A5 LIGHTING MOUNTING DETAILS
SCALE: NTS



A6 BOX MOUNTING DETAILS
SCALE: NTS

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ELECTRICAL DETAILS

sheet:

E501

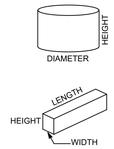
DESIGN DEVELOPMENT

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE KEY	NOTES:	GENERAL NOTES:
E - DIVISION 26 Q - FURNISHED WITH EQUIPMENT, INSTALLED BY DIV.26	1. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL. 2. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP. 3. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.	1. LOCATE ELECTRICAL EQUIPMENT IN ACCESSIBLE LOCATION, SUCH THAT IT IS WITHIN SIGHT OF THE EQUIPMENT IT IS SERVING, AND COMPLIES WITH N.E.C. REQUIRED CLEARANCES. 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED. 3. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID. 4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

			LOAD DATA							OCPD		DISCONNECT		MOTOR CONTROLLER				
LABEL	QTY	DESCRIPTION	HP	kW	MCA	FLA	V	PH	WIRE AND CONDUIT SIZE	DEVICE	FED FROM	PROVIDED BY	DEVICE	PROVIDED BY	DEVICE	SIZES	NEMA ENCLOSURE RATING	NOTES
UH-1	2	UNIT HEATER	-	-	-	17.3	208	3	3 #10, #10 GR 0.75" CND	30/3 CB		Q	30A/3P FRS-30	-	-	-	1R	

INTERIOR LIGHTING FIXTURE SCHEDULE

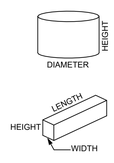


GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

			LUMINAIRE				DRIVER			
ID	DESCRIPTION	SIZE (NOMINAL)	DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
(E1A)	DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"			GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN)
(RP2)	DESCRIPTION: RECESSED TROFFER 2x2 BACK-LIT FLAT PANEL MOUNTING: GRID FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: 24" WIDTH: 24" DEPTH: 6"	3,000		4000K	80	LED DRIVER (0-10V DIMMING)	120/277	25	LITHONIA (CPX) OR APPROVED EQUAL
(RP4)	DESCRIPTION: RECESSED TROFFER 2x4 BACK-LIT FLAT PANEL MOUNTING: GRID FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: 48" WIDTH: 24" DEPTH: 6"	3,000		4000K	80	LED DRIVER (0-10V DIMMING)	120/277	25	LITHONIA (CPX) OR APPROVED EQUAL
(SP1)	DESCRIPTION: SURFACE MOUNTED TROFFER 1x4 BACK-LIT FLAT PANEL MOUNTING: SURFACE FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: 48" WIDTH: 12" DEPTH: 6"	3,000		4000K	80	LED DRIVER (0-10V DIMMING)	120/277	25	LITHONIA (CPX) OR APPROVED EQUAL
(WL8)	DESCRIPTION: LINEAR WALL BRACKET MOUNTING: SURFACE, WALL FINISH: WOOD FINISH BY ARCHITECT OPTICS: DIRECT/ INDIRECT (70DN/30UP) OPTIONS: EM:	LENGTH: 96" WIDTH: 5" DEPTH: 3"	7,000	3,000	4000K	80	LED DRIVER (0-10V DIMMING)	120/277	134	LUMENWERX (VIA2WDI-HLO-LED-80-750-750-40-8FT-UNV-D-1-DMB-CBA)

EXTERIOR LIGHTING FIXTURE SCHEDULE



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2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
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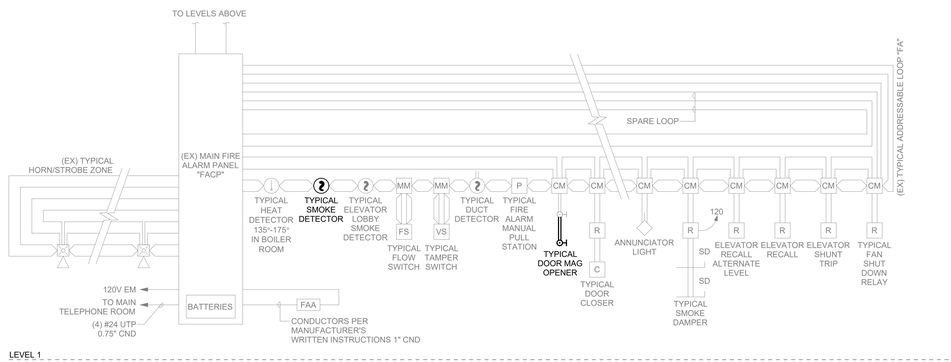
			LUMINAIRE						DRIVER			
			BUG RATING									
ID	DESCRIPTION	SIZE (NOMINAL)	BACK	UP	GLARE	LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER
(OW1)	DESCRIPTION: WEDGE SHAPED WALL PACK MOUNTING: WALL FINISH: SCBA OPTICS: VISUAL COMFORT, FORWARD THROW OPTIONS: PROVIDE WITH INTEGRAL PHOTOCELL WIND RATING: - EM: NONE	LENGTH: 8" WIDTH: 9" DEPTH: 5.5"	-	-	-	1,200	4000K	80	LED	277.00 V	10	LITHONIA (WDGE1)



A4 FIRE ALARM RISER
SCALE: NTS

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ELECTRICAL SCHEDULES AND RISERS

sheet:

E601

DESIGN DEVELOPMENT