HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH

3/14/2024 3:41:16 PM

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HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

DESCRIPTION:
DATE:
MARK:

PROJECT #: 123005
DRAWN BY: NIELSON
CHECKED BY: RIGBY
ISSUED: 03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
3/14/2024
LICENSED ARCHITECT

COVER SHEET

G-001

LEGAL NOTICE

NOTE: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT PRIOR TO BID OR BEFORE CONTINUING THAT PORTION OF WORK.

BID ALTERNATES

(REFER TO SPECIFICATIONS 01 2300-ALTERNATES FOR FULL DESCRIPTION OF ALTERNATES)

BID ALTERNATE 1
- REMOVAL OF CLASSROOMS

BID ALTERNATE 2
- ROOFING MEMBRANE

DEFFERED SUBMITTALS

1. FIRE ALARMS
2. FIRE PROTECTION AND SEISMIC DESIGNS
3. OPEN WEB JOISTS AND RELATED COMPONENTS
4. COLD FORM FRAMING
5. SEISMIC BRACING OF ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS
6. STEEL STAIRS

BID PACKAGE NOTES

SHEET REVISIONS WILL BE ISSUED ACCORDING TO THEIR BID PACKAGE.
(EX: ASI-1/BP-1)

NOTES:
BID PACKAGE 1
CIVIL / UNDERGROUND MEP / FOUNDATION
(**BC**............ISSUED FOR BIDDING AND CONSTRUCTION)
(**RO**............ISSUED FOR REFERENCE ONLY)

BID PACKAGE 2
LANDSCAPE / STRUCTURAL / ARCHITECTURAL / MECH., PLUMBING, & FIRE / ELECTRICAL / KITCHEN
(**BC**...........ISSUED FOR BIDDING AND CONSTRUCTION)
(**RR/WR**.....RE-RELEASED w/ REVISIONS)

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M-112.E	MECHANICAL HVAC PLAN - ROOF - AREA E		BC
M-112.F	MECHANICAL HVAC PLAN - LEVEL 02 - AREA F		BC
M-113.A	MECHANICAL HVAC PLAN - ROOF - AREA A		BC
M-113.B	MECHANICAL HVAC PLAN - ROOF - AREA B		BC
M-113.C	MECHANICAL HVAC PLAN - ROOF - AREA C		BC
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P-812	PLUMBING PLAN - LEVEL 02 - BID ALTERNATE		BC
P-813	PLUMBING PLAN - ROOF - BID ALTERNATE		BC
PS-101	PLUMBING SITE PLAN		BC
ELECTRICAL			
E-001	GENERAL NOTES AND SYMBOLS LISTS		
E-002	SYMBOL LISTS		
E-101	SITE PLAN - NIBLEY - ELECTRICAL		
E-102	SITE PLAN - HYDE PARK - ELECTRICAL		
E-103	SITE DETAILS		
E-111	LEVEL 1 - AREA A - LIGHTING		

SHEET #	SHEET CONTENTS	03.07.2024 - BID PACKAGE 1	05.2024 - BID PACKAGE 2
E-112	LEVEL 1 - AREA B - LIGHTING		
E-113	LEVEL 1 - AREA C - LIGHTING		
E-114	LEVEL 1 - AREA D - LIGHTING		
E-115	LEVEL 1 - AREA E - LIGHTING		
E-116	LEVEL 1 - AREA F - LIGHTING		
E-121	LEVEL 2 - AREA A - LIGHTING		
E-122	LEVEL 2 - AREA B - LIGHTING		
E-123	LEVEL 2 - AREA C - LIGHTING		
E-131	LEVEL 1 - ENLARGED LIGHTING PLANS		
E-141	THEATRICAL LIGHTING RISER		
E-151	LIGHTING DETAILS		
E-152	LIGHTING NOTES		
E-161	LIGHT FIXTURE SCHEDULE		
E-211	LEVEL 1 - AREA A - POWER		
E-212	LEVEL 1 - AREA B - POWER		
E-213	LEVEL 1 - AREA C - POWER		
E-214	LEVEL 1 - AREA D - POWER		
E-215	LEVEL 1 - AREA E - POWER		
E-216	LEVEL 1 - AREA F - POWER		
E-221	LEVEL 2 - AREA A - POWER		
E-222	LEVEL 2 - AREA B - POWER		
E-223	LEVEL 2 - AREA C - POWER		
E-224	LEVEL 2 - ROOF PLAN - OVERALL - POWER		
E-231	LEVEL 1 - ENLARGED POWER PLANS		
E-232	ENLARGED KITCHEN PLAN		
E-241	POWER DETAILS		
E-242	DATA RISERS		
E-251	ONE-LINE DIAGRAM		
E-252	ONE-LINE DIAGRAM - POWER		
E-261	PANEL SCHEDULES		
E-262	PANEL SCHEDULES		
E-263	PANEL SCHEDULES		
E-264	PANEL SCHEDULES		
E-265	PANEL SCHEDULES		
E-266	PANEL SCHEDULES		
E-267	PANEL SCHEDULES		
E-311	LEVEL 1 - AREA A - SYSTEMS		
E-312	LEVEL 1 - AREA B - SYSTEMS		
E-313	LEVEL 1 - AREA C - SYSTEMS		
E-314	LEVEL 1 - AREA D - SYSTEMS		
E-315	LEVEL 1 - AREA E - SYSTEMS		
E-316	LEVEL 1 - AREA F - SYSTEMS		
E-321	LEVEL 2 - AREA A - SYSTEMS		
E-322	LEVEL 2 - AREA B - SYSTEMS		
E-323	LEVEL 2 - AREA C - SYSTEMS		
E-341	CABLE TRAY DETAILS		
E-342	SECURITY DETAIL & RISERS		
E-343	ACCESS CONTROL DOOR ROUGH-IN DETAILS		
E-351	FIRE ALARM RISER DIAGRAM		
E-352	FIRE RISER DIAGRAM HORN ALARM SYSTEM		
E-411	LEVEL 1 - AREA A - AUDIO VIUSAL		
E-412	LEVEL 1 - AREA B - AUDIO VIUSAL		
E-413	LEVEL 1 - AREA C - AUDIO VIUSAL		
E-414	LEVEL 1 - AREA D - AUDIO VIUSAL		
E-415	LEVEL 1 - AREA E - AUDIO VIUSAL		
E-416	LEVEL 1 - AREA F - AUDIO VIUSAL		
E-421	LEVEL 2 - AREA A - AUDIO VIUSAL		
E-422	LEVEL 2 - AREA B - AUDIO VIUSAL		
E-423	LEVEL 2 - AREA C - AUDIO VIUSAL		
E-431	AUDIO VISUAL SECTIONS AND ELEVATIONS		
E-432	AUDIO VISUAL SECTIONS AND ELEVATIONS		
E-441	AUDIO VISUAL ENLARGED PLANS - TYPICAL CLASSROOMS		
E-442	AUDIO VISUAL ENLARGED PLANS Copy 1		
E-451	AUDIO VISUAL DETAILS		
E-471	AUDIO VISUAL RISER AND EQUIPMENT LIST		
E-472	AV RISER & EQUIPMENT LIST		
E-473	AV RISER & EQUIPMENT LIST		
E-474	AV RISER & EQUIPMENT LIST		
E-475	AV RISER & EQUIPMENT LIST		
E-476	AV RISER & EQUIPMENT LIST		
E-511	LEVEL 1 - AREA A - INTERCOM		
E-512	LEVEL 1 - AREA B - INTERCOM		
E-513	LEVEL 1 - AREA C - INTERCOM		
E-514	LEVEL 1 - AREA D - INTERCOM		
E-515	LEVEL 1 - AREA E - INTERCOM		
E-516	LEVEL 1 - AREA F - INTERCOM		
E-521	LEVEL 2 - AREA A - INTERCOM		
E-522	LEVEL 2 - AREA B - INTERCOM		
E-523	LEVEL 2 - AREA C - INTERCOM		
E-551	INTERCOM DETAILS		
E-571	INTERCOM - RISER & EQUIP LIST.		
FIRE PROTECTION:			
F-001	FIRE PROTECTION TITLE SHEET		BC

SHEET #	SHEET CONTENTS	03.07.2024 - BID PACKAGE 1	05.2024 - BID PACKAGE 2
F-101	FIRE PROTECTION PLAN - LEVEL 01 - OVERALL		BC
F-102	FIRE PROTECTION PLAN - LEVEL 02 - OVERALL		BC
F-501	FIRE PROTECTION DETAILS		BC
KITCHEN			
K-101	KITCHEN EQUIPMENT LAYOUT		BC
K-102	KITCHEN EQUIPMENT SCHEDULES		BC
K-201	KITCHEN ELECTRICAL ROUGH-INS		BC
K-301	KITCHEN PLUMBING ROUGH-INS		BC
K-401	KITCHEN ELEVATIONS		BC
K-402	KITCHEN ELEVATIONS		BC
K-403	SECTIONS AND DETAILS		BC
K-501	KITCHEN EXHAUST HOOD DETAILS		BC
K-502	KITCHEN EXHAUST HOOD DETAILS		BC
K-503	KITCHEN EXHAUST HOOD DETAILS		BC
K-504	KITCHEN EXHAUST HOOD DETAILS		BC
K-505	KITCHEN UDS WALL DETAILS		BC
K-601	BUILDING CONDITIONS - SLAB DEPRESSION PLAN		BC

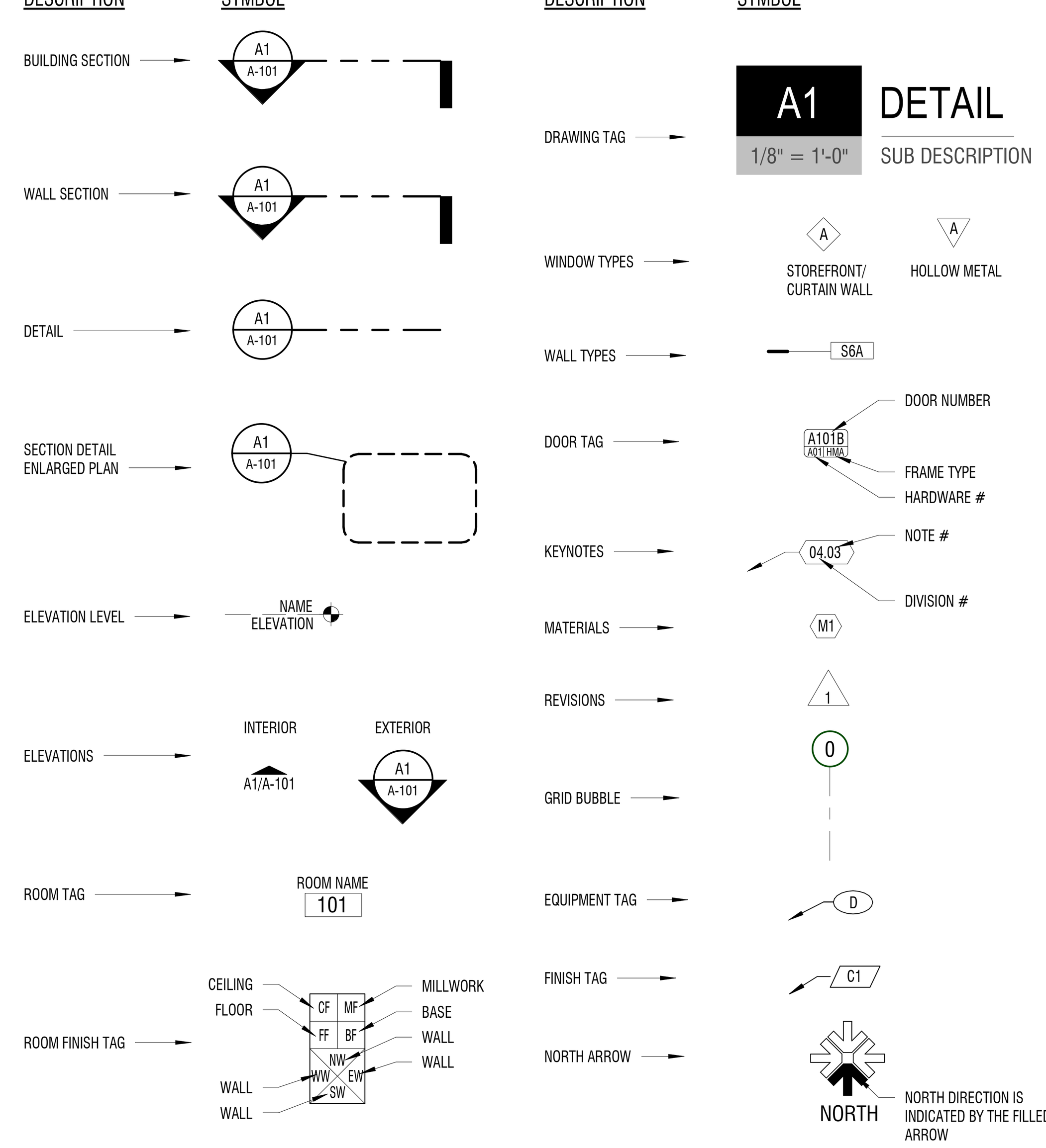
ABBREVIATIONS

ABR.	DESCRIPTION
AB	ANCHOR BOLT
ABS	ACRYLONITRILE-BUTADIENE -STYRENE
AC	ACOUSTIC, ACOUSTICAL
ACC STA	ACCESSIBLE STATION
AD	ADDENDUM
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ASI	ARCHITECT SUPPLEMENTAL INSTRUCTION
ASPH	ASPHALT
BB	BASKETBALL
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
B.O.	BOTTOM OF
BRG	BEARING
BSMT	BASEMENT
B.U.R.	BUILT UP ROOF
C	CHANNEL
CB	CHALKBOARD
℄	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CJ	CONTROL JOINT
CT	CERAMIC TILE
d	PENNY
DIM	DIMENSION
DS	DOWNSPOUT
DWG	DRAWING
(E)	EXISTING
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER

ABR.	DESCRIPTION
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLR	FLOOR
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GYP BD	GYPSUM BOARD
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
KD	KNOCK DOWN
KO	KNOCK OUT
L	ANGLE
LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT	MOUNT
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
O.T.S.	OPEN TO STRUCTURE

ABR.	DESCRIPTION
PART BD	PARTICLE BOARD
PART'N	PARTITION
P-LAM	PLASTIC LAMINATE PLATE
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PROJ	PROJECTION
PT	PRESERVATIVE TREATED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R/	ROUND
RAD	RADIUS
RD	ROOF DRAIN
REF	REFRIGERATOR
REINF	REINFORCE
REV	REVISION
RFI	REQUEST FOR INFORMATION
RO	ROUGH OPENING
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED, SUSPENSION
SYS	SYSTEM
T & B	TOP AND BOTTOM
TB	TACKBOARD
TEMP	TEMPORARY
TEL	TELEPHONE
THRES	THRESHOLD
TS	TUBE STEEL
T.O.	TOP OF
TOIL	TOILET
TV	TELEVISION
TYP	TYPICAL
VERT	VERTICAL
U.N.O.	UNLESS NOTED OTHERWISE
W	WIDE FLANGE
W/	WITH
WC	WATER CLOSET
WD	WOOD
WM	WATER METER
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

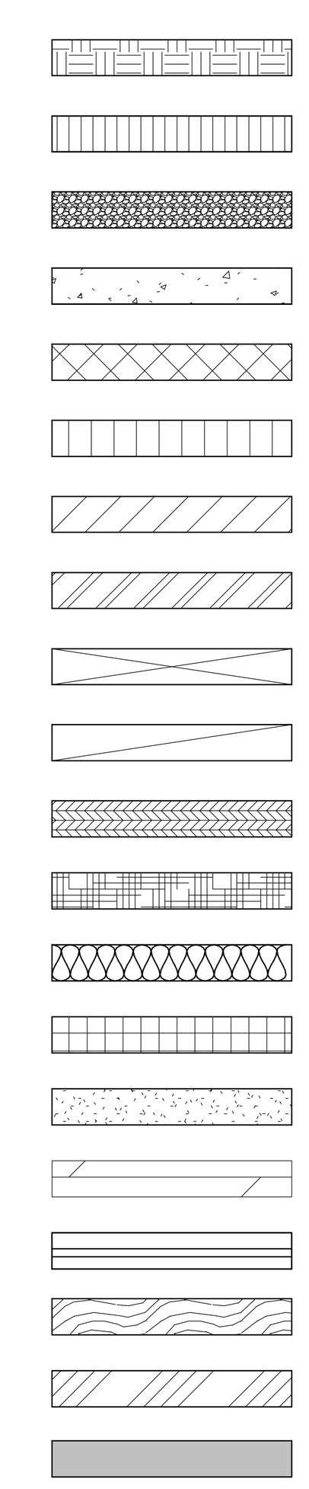
SYMBOLS LEGEND



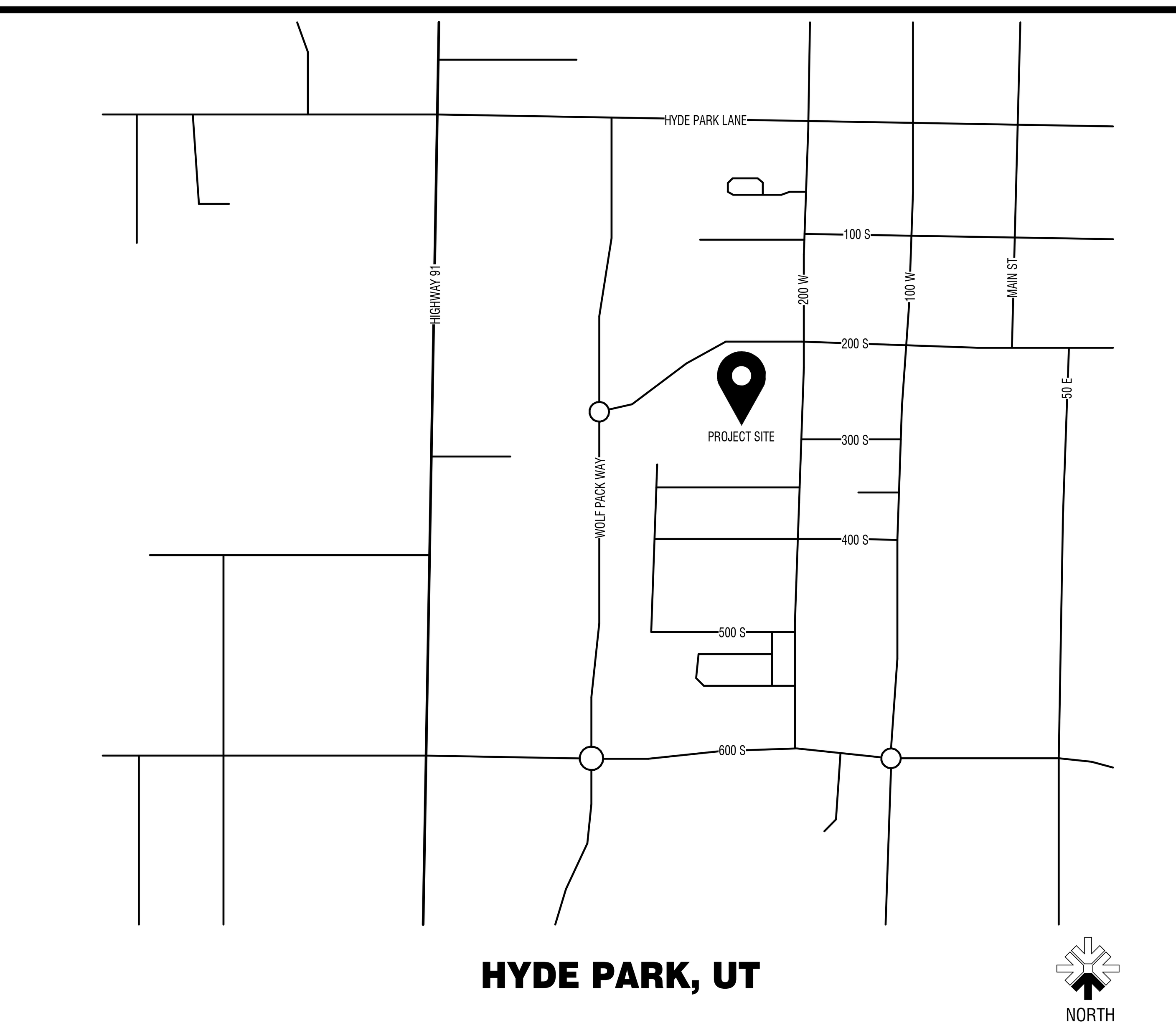
MATERIALS LEGEND

MATERIAL
EARTH
ASPHALT PAVING
COMPACTED GRANULAR FILL
CONCRETE
CONCRETE MASONRY UNITS
CONCRETE MASONRY UNITS
BRICK
STEEL
CONTINUOUS WOOD
WOOD BLOCKING
PLYWOOD / OSB
PARTICLE BOARD
INSULATION
RIGID INSULATION
GYPSUM BOARD
GLU-LAMINATE BEAM
GLASS
FINISH WOOD
ALUMINUM
WOOD STUD WALL

SYMBOL



VICINITY MAP



HYDE PARK, UT

design west | architects
255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

PROJECT #: 123005
DRAWN BY: NIELSON
CHECKED BY: RIGBY
ISSUED: 03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
3/14/2024
9842808-0301
LICENSED ARCHITECT

BID PACKAGE 1

PROJECT INFORMATION

G-002

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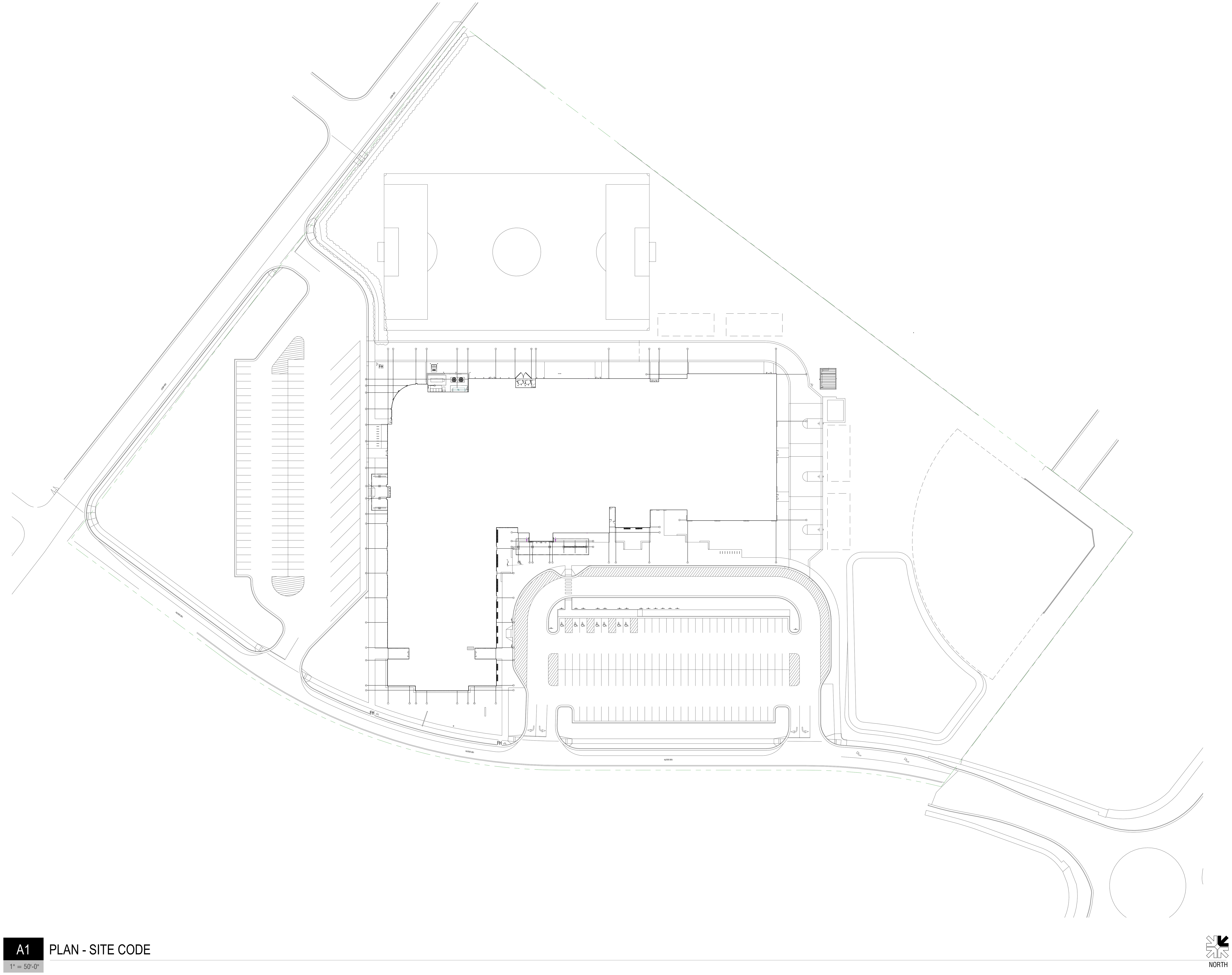
GENERAL NOTES

1. KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
2. ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
3. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
4. REFFER TO LANDSCAPE AND CIVIL DRAWING FOR FURTHER SITE INFORMATION AND CONSTRUCTION.

KEYNOTES

MARK	DESCRIPTION



A1 PLAN - SITE CODE
1" = 50'-0"

3/14/2024 3:14:31 PM

design west | architects
255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	LOYND
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH — STEPHEN M WILLIAMS — 3/14/2024 — 9842808-0301 — LICENSED ARCHITECT

PLAN - SITE CODE
GH-003

BID PACKAGE NOTES:

BID PACKAGE #1 TO INCLUDE:

1. ROUGH GRADING, ON-SITE.
2. ROUGH GRADING, 200 SOUTH STREET.
3. INSTALLATION OF WATER AND SEWER UTILITIES.
4. STOCKPILING OF TOP SOIL.

BID PACKAGE #2 TO INCLUDE:

1. INSTALLATION OF STORMDRAIN, GAS, POWER, AND COMMUNICATION UTILITIES.
2. FINISH GRADING, ROADWAY AND ON-SITE, INCLUDING:
   - -ASPHALT PAVING.
   - -CONCRETE CURBING AND FLATWORK.
   - -TOP SOIL IN LANDSCAPE AREAS.
3. WIDEN EXISTING ROADWAY (200 WEST STREET).

GENERAL SITE NOTES

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

UTILITY NOTES

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

GRADING NOTES

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

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

   ROUGH GRADE FOR:
   - BUILDING PADS: 8" BELOW FG
   - ROADWAYS: 21" BELOW FG
   - PARKING LOTS: 7" BELOW FG
   - FIRE AND TRUCK ACCESS (HEAVY-DUTY CONCRETE): 16" BELOW FG
   - BUS PARKING: 8" BELOW FG

   B. ATHLETIC PERFORMANCE AREAS- SOFTBALL AND SOCCER PLAY FIELDS WITHIN 0.1 FT OF SUBGRADE

   ROUGH GRADE FOR:
   - SOCCER PLAY FIELD: 8" BELOW FG
   - SOFTBALL PLAY FIELD: 8" BELOW FG

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

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

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

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

SEWER LAYOUT GENERAL NOTES:

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

GENERAL WATER NOTES

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

TREE PROTECTION NOTES:

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

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

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HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION: DATE: MARK:

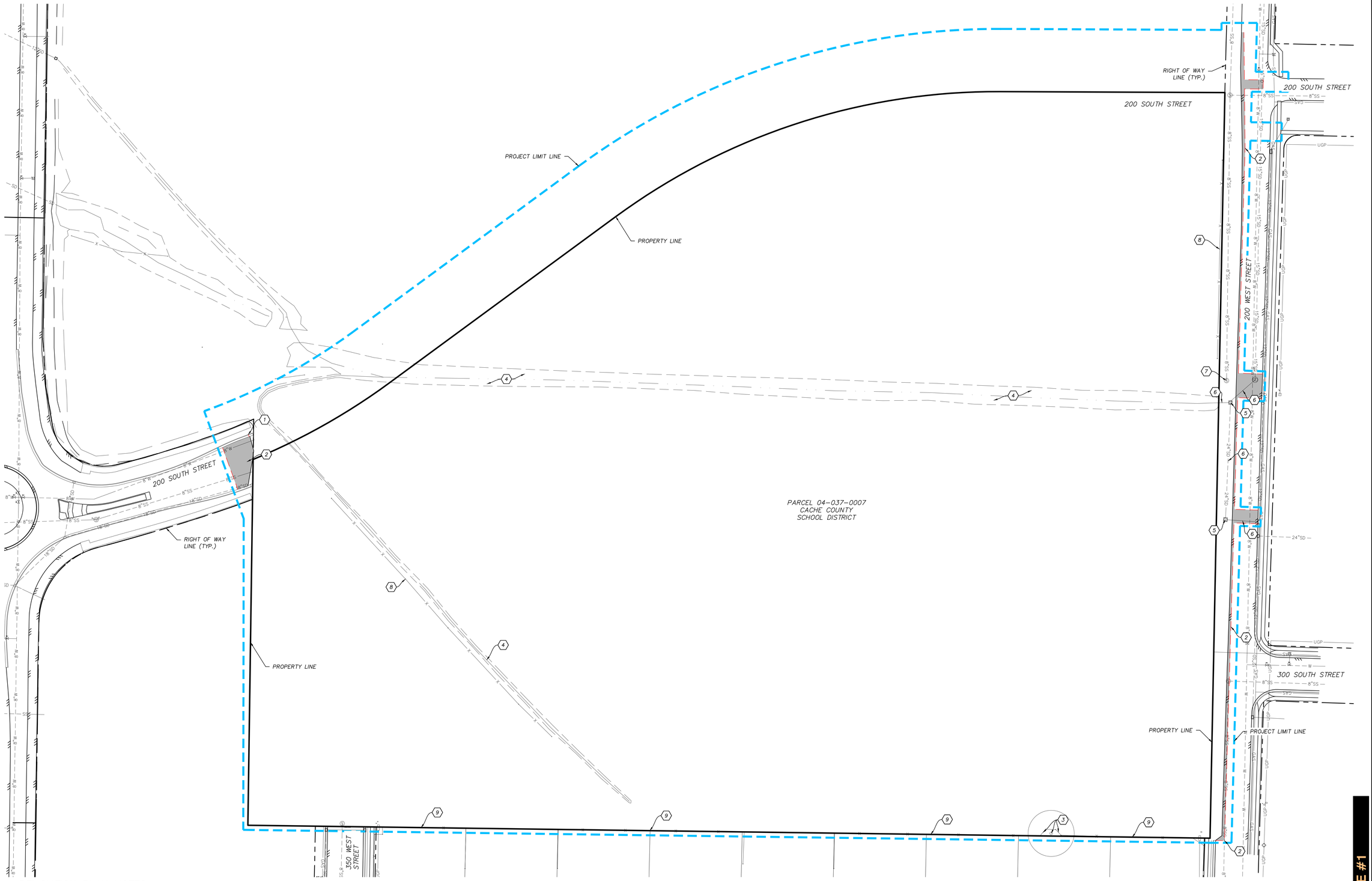
BID PACKAGE #1

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL GENERAL NOTES

C-001



DEMOLITION PLAN NOTES

1. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
2. ALL UTILITIES TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. ALL TREES NOT SPECIFICALLY NOTED FOR REMOVAL TO BE PROTECTED IN PLACE INCLUDING PROTECTION OF EXISTING GRADES TO DRIP LINE.
4. ANY TOPSOIL STRIPPED DURING CONSTRUCTION TO BE STOCKPILED AND PROTECTED FOR REUSE WHERE POSSIBLE.
5. SAWCUT CONCRETE CURBING AND FLATWORK AT EXISTING JOINT LINES WHERE POSSIBLE.

LEGEND

EXISTING ASPHALT TO BE REMOVED.

SAWCUT LINE

DEMOLITION NOTES

1. SAWCUT AND REMOVE CONCRETE CURB AND GUTTER (4.9' FROM END OF CURB).
2. SAWCUT AND REMOVE EXISTING ASPHALT (2' MIN. FROM EDGE OF ASPHALT).
3. REMOVE EXISTING TREE AND FENCE SECTIONS. COORDINATE WITH CCSD AND OWNER OF PARCEL #04-201-0002. SEE LANDSCAPE PLAN FOR REPLACEMENT.
4. REMOVE/FILL-IN EXISTING IRRIGATION DITCH. SEE STORMWATER PLAN FOR PIPING OF IRRIGATION WATER.
5. REMOVE EXISTING STORMWATER JUNCTION BOX. SEE ROADWAY STORMWATER PLAN FOR REPLACEMENT.
6. REMOVE EXISTING STORMWATER PIPE. SEE ROADWAY STORMWATER PLAN FOR REPLACEMENT.
7. REMOVE SEWER MANHOLE LID ABOVE CLEANOUT. SEE 200 WEST PLAN AND PROFILE SHEET.
8. REMOVE EXISTING FARM FENCE.
9. PROTECT EXISTING FENCE ALONG SOUTH PROPERTY LINE (SEE KEY NOTE #3 FOR EXCEPTION).

DEMOLITION PLAN

SCALE: 1"=40'

0 20' 40' 80'

GRAPHIC SCALE 1"= 40'

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

LANCE ANDERSON
PROFESSIONAL ENGINEER
STATE OF UTAH

CIVIL-
DEMOLITION PLAN

C-101

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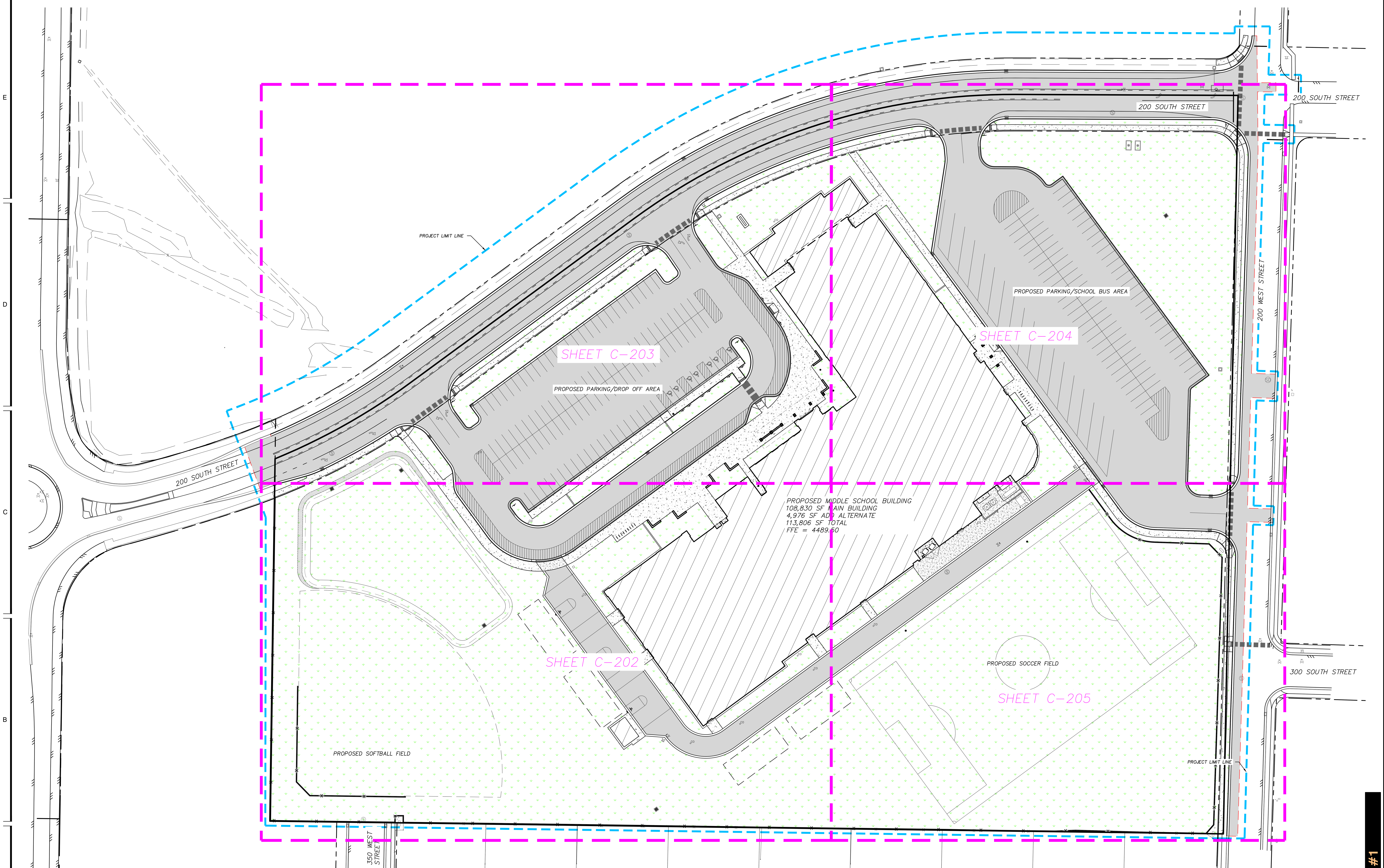

SITE PLAN NOTES

1. ALL DIMENSIONS AND RADII ARE MEASURED AT TOP BACK OF CURB UNLESS STATED OTHERWISE OR WHERE NO CURB EXISTS.
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3. ALL WORK TO COMPLY WITH HYDE PARK CITY STANDARDS AND SPECIFICATIONS.
4. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
5. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

LEGEND

- PROPOSED STANDARD DUTY CONCRETE
- PROPOSED HEAVY DUTY CONCRETE
- PROPOSED ASPHALT
- PROPOSED LANDSCAPE AREA
- PROPOSED MIDDLE SCHOOL BUILDING
- PROPOSED MIDDLE SCHOOL BUILDING ADD ALTERNATE (SEE ARCHITECTURAL PLANS)
- PROPOSED SPILL CURB AND GUTTER
- PROPOSED CATCH CURB AND GUTTER
- PROPOSED ROLL CURB (TRANSITION FROM ROLL CURB TO CATCH OR SPILL CURB WITHIN 5')

OVERALL SITE PLAN

SCALE: 1"=40'

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

FOR REFERENCE ONLY

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

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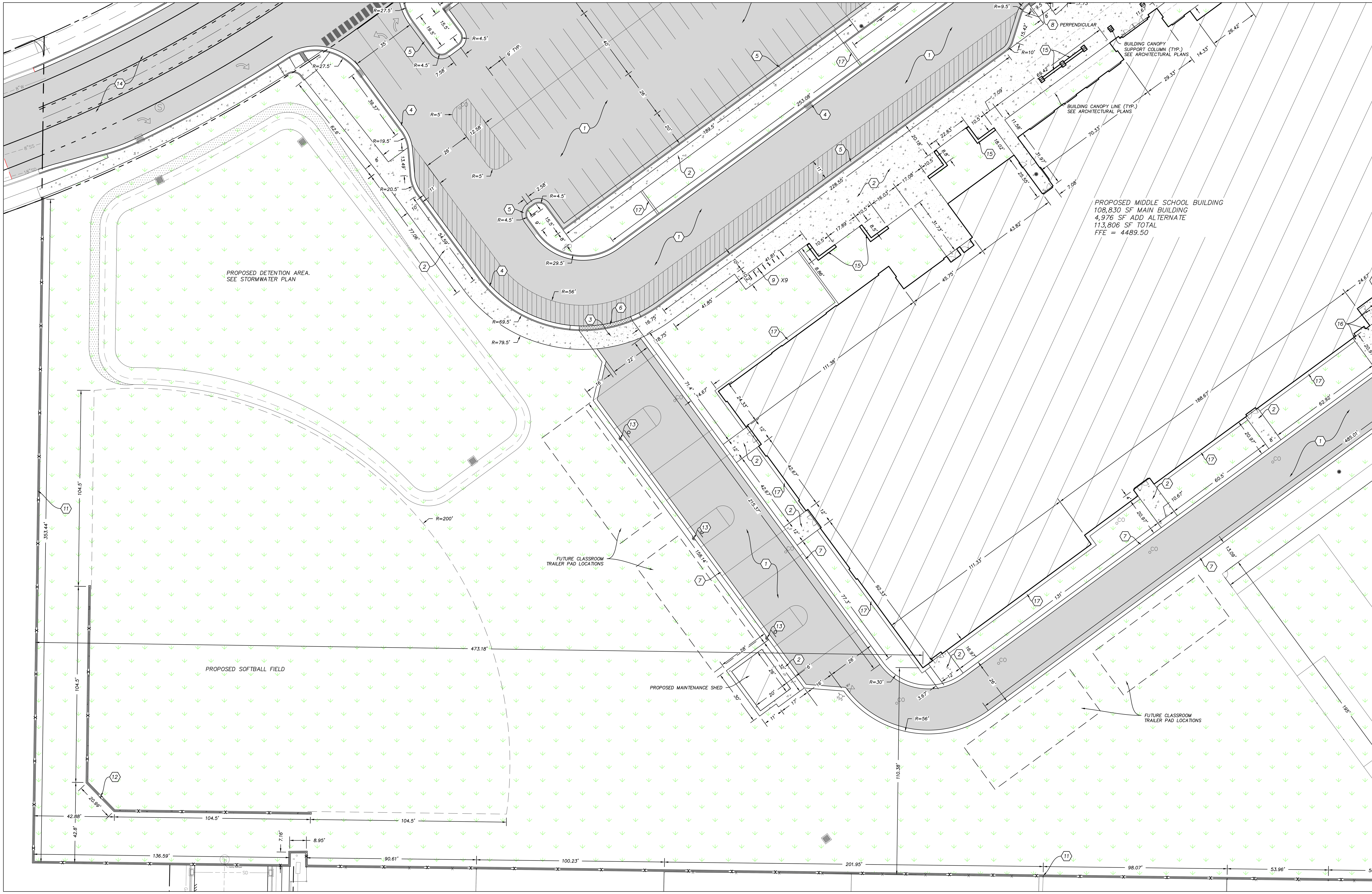
PROJECT #:	123005
DRAWN BY:	J. JENSEN
CHECKED BY:	L. ANDERSON
ISSUED:	03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
STATE OF UTAH

CIVIL- OVERALL SITE PLAN

C-201



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- PROPOSED CATCH CURB AND GUTTER
- PROPOSED ROLL CURB (TRANSITION FROM ROLL CURB TO CATCH OR SPILL CURB WITHIN 5')

SITE CONSTRUCTION NOTES

1. CONSTRUCT STANDARD ASPHALT SECTION. SEE SHEET C-501/DETAIL 1.
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6. CONSTRUCT CONCRETE ROLL CURB. SEE SHEET C-501/DETAIL 5.
7. CONSTRUCT 2' RIBBON CURB. SEE SEE SHEET C-501/DETAIL 6.
8. CONSTRUCT ADA RAMP. SEE SHEET C-501.
9. INSTALL BIKE RACK PER MANUFACTURER SPECIFICATIONS. SEE ARCHITECTURAL SITE PLAN.
10. INSTALL FLAGPOLE PER MANUFACTURER SPECIFICATIONS. SEE ARCHITECTURAL SITE PLAN.
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15. CONSTRUCT SEAT WALL. SEE ARCHITECTURAL SITE PLAN.
16. INSTALL CONCRETE BOLLARD. SEE SHEET C-501/DETAIL 7.
17. CONSTRUCT CONCRETE MOWCURB. SEE ARCHITECTURAL SITE PLAN.
18. INSTALL MONUMENT SIGN. SEE ARCHITECTURAL SITE PLAN.

SITE PLAN-SOUTHWEST

SCALE: 1"=20'

GRAPHIC SCALE 1"= 20'

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

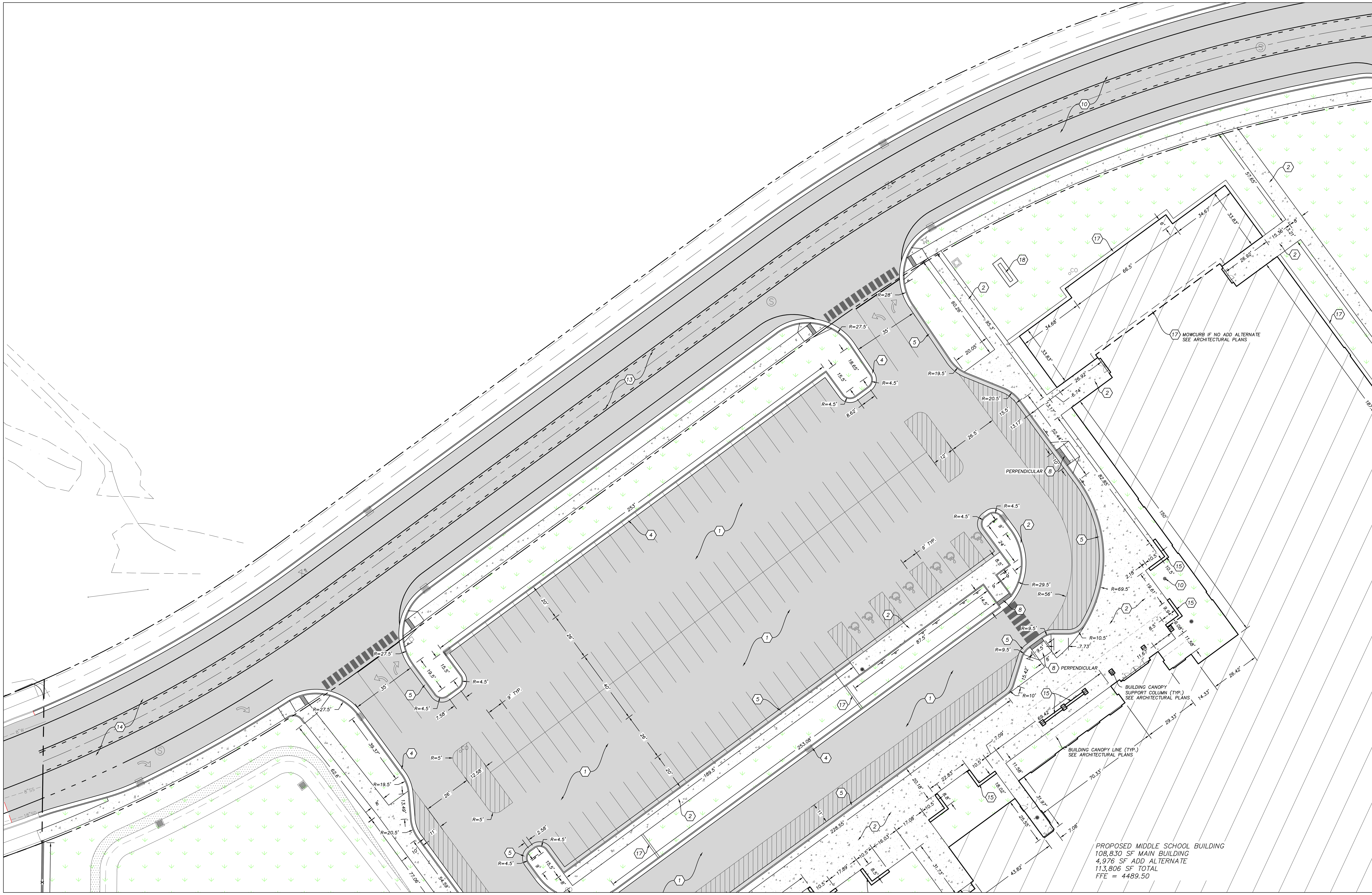
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL- SITE PLAN SOUTHWEST

C-202



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18. INSTALL MONUMENT SIGN. SEE ARCHITECTURAL SITE PLAN.

SITE PLAN–NORTHWEST

SCALE: 1"=20'

GRAPHIC SCALE 1" = 20'

0 10' 20' 40'

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

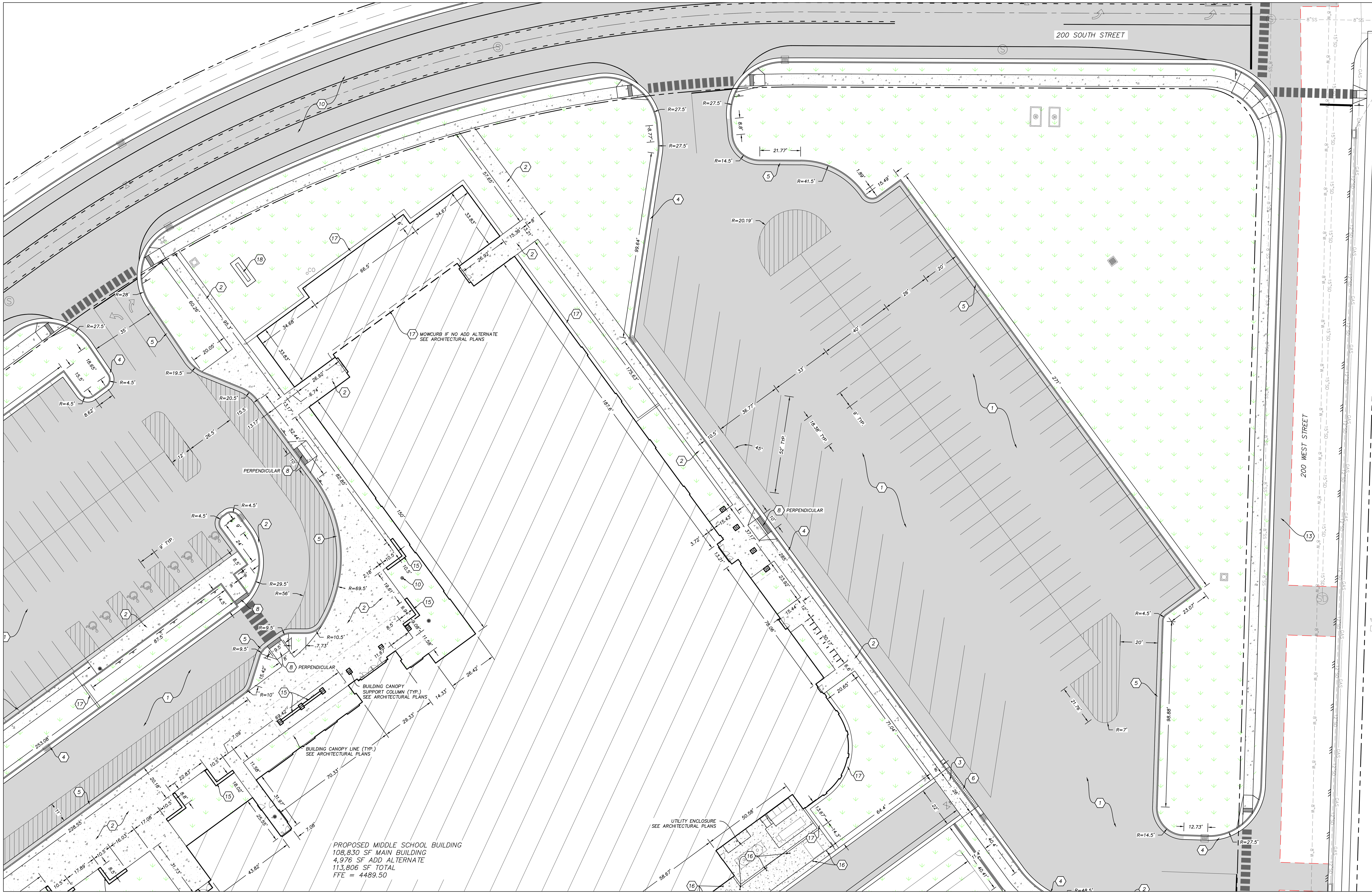
MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	J. JENSEN
CHECKED BY:	L. ANDERSON
ISSUED:	03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL- SITE PLAN NORTHWEST

C-203



SITE PLAN NOTES

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LEGEND

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18. INSTALL MONUMENT SIGN. SEE ARCHITECTURAL SITE PLAN.

SITE PLAN-NORTHEAST

SCALE: 1"=20'

GRAPHIC SCALE 1"= 20'

FOR REFERENCE ONLY

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HYDE PARK MIDDLE SCHOOL

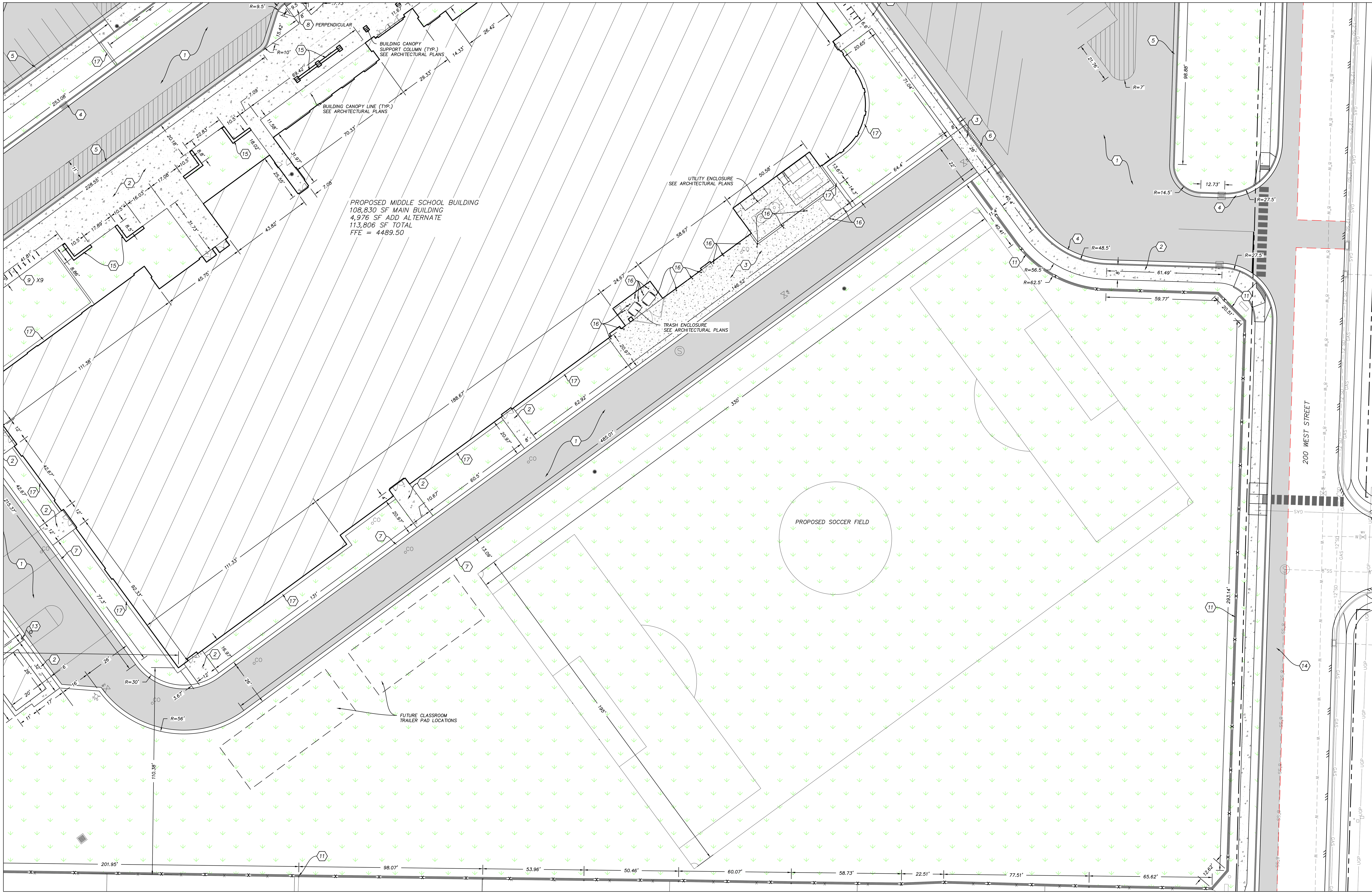
250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

PROJECT #:	123005
DRAWN BY:	J. JENSEN
CHECKED BY:	L. ANDERSON
ISSUED:	03.14.2024

CIVIL- SITE PLAN NORTHEAST

C-204



SITE PLAN—SOUTHEAST

SCALE: 1"=20'

GRAPHIC SCALE 1"= 20'

SITE PLAN NOTES

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005

DRAWN BY: J. JENSEN

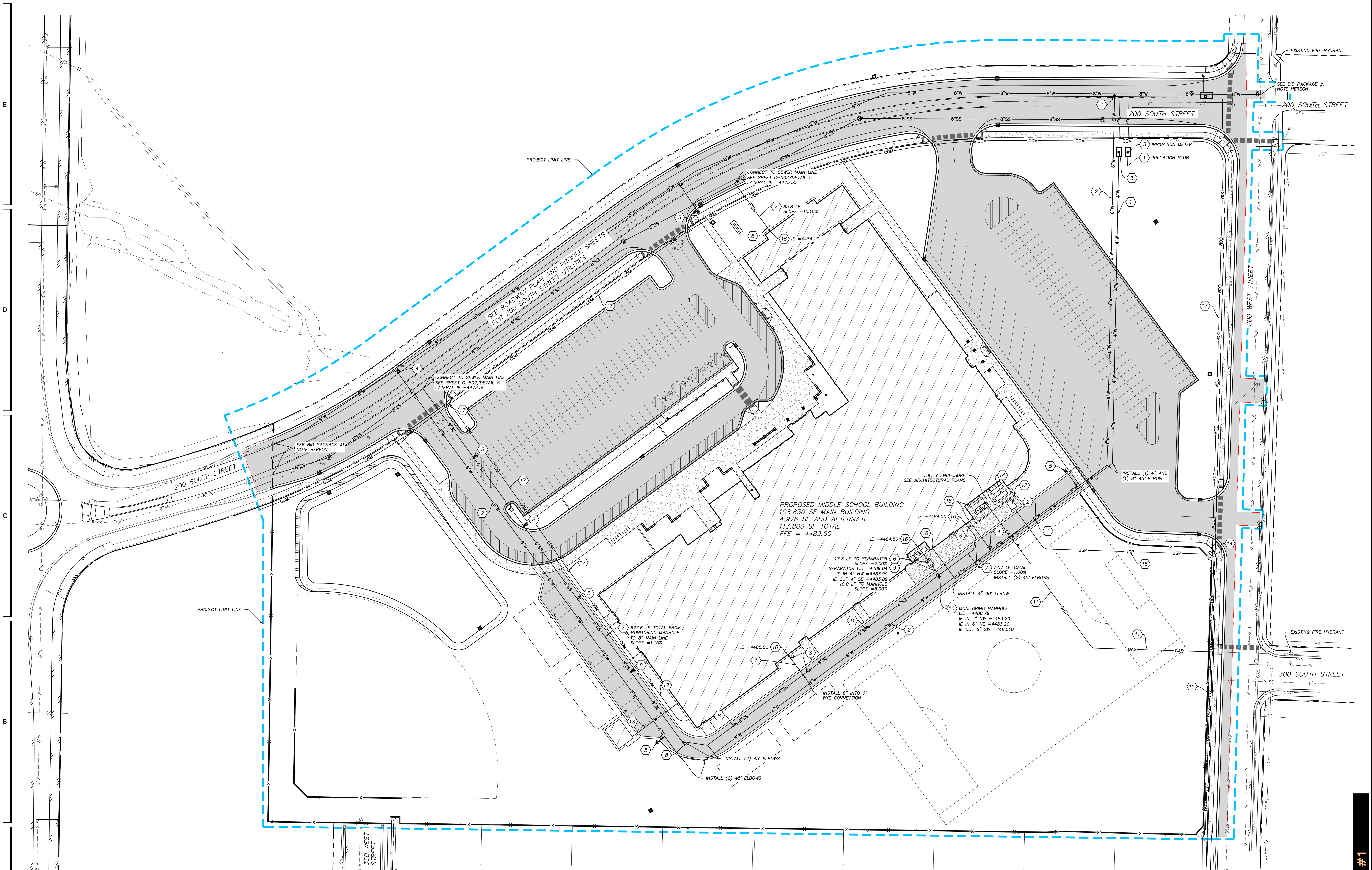
CHECKED BY: L. ANDERSON

ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL- SITE PLAN SOUTHEAST

C-205



UTILITY PLAN NOTES

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

UTILITY CONSTRUCTION NOTES

1. INSTALL 4" WATER LINE. SEE SHEET C-502/DETAIL 1.
2. INSTALL 6" WATER LINE. SEE SHEET C-502/DETAIL 1.
3. INSTALL 4" WATER METER. SEE SHEET C-502/DETAIL 2.
4. INSTALL 6" WATER VALVE. SEE SHEET C-502/DETAIL 4.
5. INSTALL FIRE HYDRANT. SEE SHEET C-502/DETAIL 3.
6. INSTALL 4" SEWER LINE. SEE SHEET C-502/DETAIL 1.
7. INSTALL 6" SEWER LINE. SEE SHEET C-502/DETAIL 1.
8. INSTALL SEWER CLEANOUT WITHIN 5' OF BUILDING AND EVERY 100 LF. SEE SHEET C-503/DETAIL 2.
9. INSTALL 1,500 GALLON GREASE INTERCEPTOR. SEE SHEET C-503/DETAIL 1.
10. INSTALL SEWER MANHOLE. SEE SHEET C-502/DETAIL 6.
11. INSTALL GAS LINE. COORDINATE SIZE AND CONNECTION WITH DOMINION ENERGY.
12. INSTALL POWER TRANSFORMER. COORDINATE WITH ROCKY MOUNTAIN POWER. SEE ELECTRICAL PLANS.
13. INSTALL POWER JUNCTION BOX. COORDINATE WITH ROCKY MOUNTAIN POWER. SEE ELECTRICAL PLANS.
14. INSTALL BACKUP POWER GENERATOR. COORDINATE WITH ROCKY MOUNTAIN POWER. SEE ELECTRICAL PLANS
15. INSTALL UNDERGROUND POWER LINE. SEE ELECTRICAL PLANS.
16. COORDINATE BUILDING CONNECTION WITH MECHANICAL PLANS.
17. INSTALL COMMUNICATION LINE AND JUNCTION BOXES. COORDINATE WITH RESPECTIVE UTILITY COMPANY. SEE ELECTRICAL PLANS.
18. INSTALL 3/4" WATER LINE TO MAINTENANCE SHED. SEE PLUMBING PLANS FOR CONNECTION TO BUILDINGS.

BID PACKAGE #1 NOTE:
PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS INCLUDING, BUT NOT LIMITED TO, VERIFYING EXISTING WATER LINE AND SEWER LINE STUB ELEVATIONS AT EXISTING END OF 200 SOUTH STREET AND AT INTERSECTION OF 200 WEST AND 200 SOUTH. NOTIFY ENGINEER OF EXISTING SEWER LINE ELEVATIONS.

UTILITY PLAN
SCALE: 1"=40'

GRAPHIC SCALE 1"= 40'

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION: | DATE: | MARK:

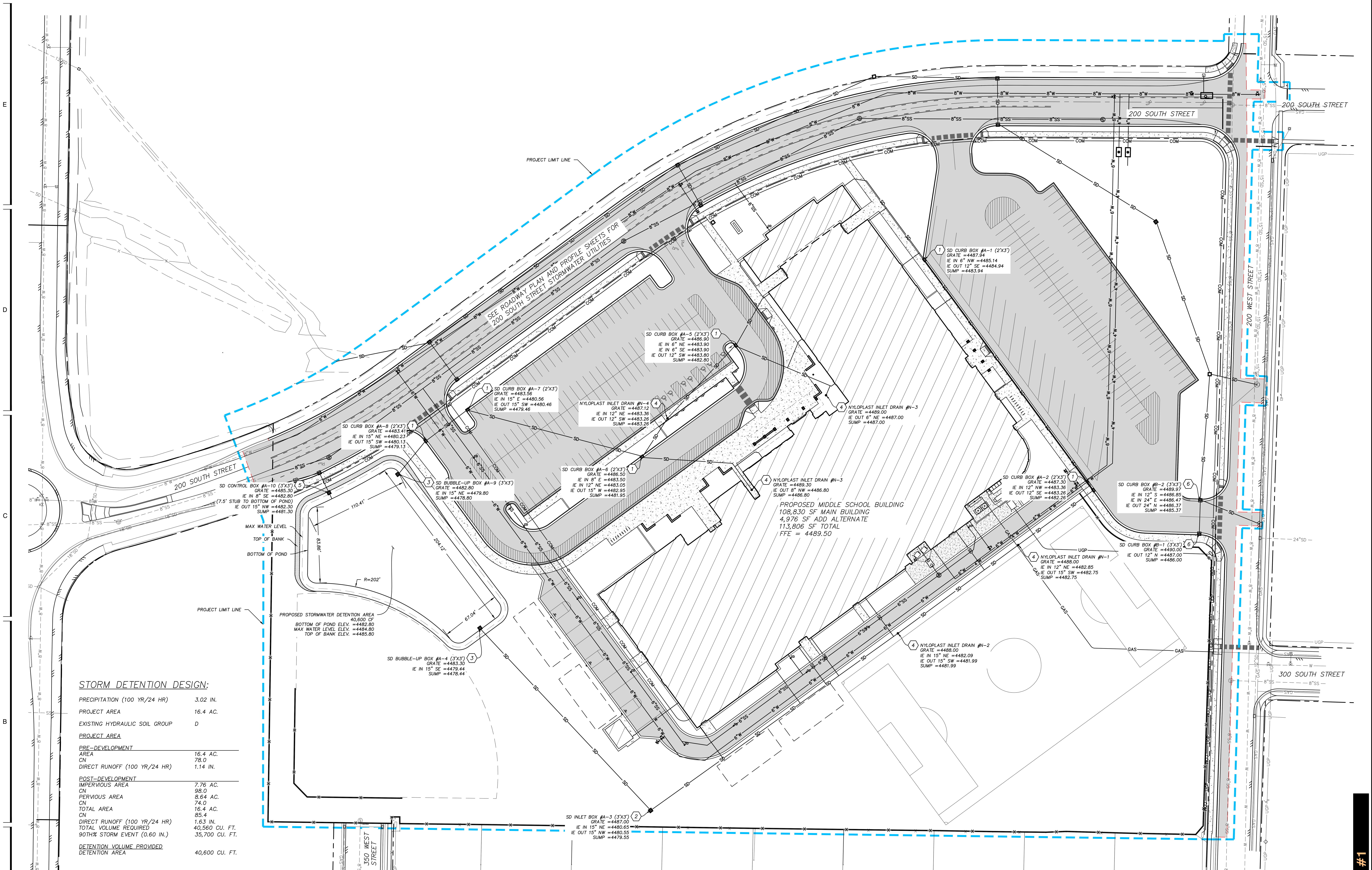
BID PACKAGE #1

PROJECT #:	123005
DRAWN BY:	J. JENSEN
CHECKED BY:	L. ANDERSON
ISSUED:	03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON 323733-2202 3/14/24 STATE OF UTAH

CIVIL UTILITY PLAN

C-301



STORM DETENTION DESIGN:

PRECIPITATION (100 YR/24 HR)	3.02 IN.
PROJECT AREA	16.4 AC.
EXISTING HYDRAULIC SOIL GROUP	D
PROJECT AREA	
PRE-DEVELOPMENT	
AREA	16.4 AC.
CN	78.0
DIRECT RUNOFF (100 YR/24 HR)	1.14 IN.
POST-DEVELOPMENT	
IMPERVIOUS AREA	7.76 AC.
CN	98.0
PERVIOUS AREA	8.64 AC.
CN	74.0
TOTAL AREA	16.4 AC.
CN	85.4
DIRECT RUNOFF (100 YR/24 HR)	1.63 IN.
TOTAL VOLUME REQUIRED	40,560 CU. FT.
90TH% STORM EVENT (0.60 IN.)	35,700 CU. FT.
DETENTION VOLUME PROVIDED	
DETENTION AREA	40,600 CU. FT.

UTILITY PLAN NOTES

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

STORMWATER CONSTRUCTION NOTES

1. INSTALL 2'X3' STORM DRAIN CURB INLET BOX. SEE SHEET C-504/DETAIL 1.
2. INSTALL 3'X3' STORM DRAIN INLET BOX. SEE SHEET C-504/DETAIL 2.
3. INSTALL 3'X3' STORM DRAIN BUBBLE-UP BOX. SEE SHEET C-504/DETAIL 3.
4. INSTALL 18" NYLOPLAST (OR EQUIVALENT) IN-LINE PLASTIC DRAIN BOX. SEE SHEET C-504/DETAIL 4.
5. INSTALL 3'X3' STORM DRAIN CONTROL BOX. SEE SHEET C-504/DETAIL 7.
6. INSTALL 3'X3' STORM DRAIN CURB INLET BOX. SEE SHEET C-504/DETAIL 5.
7. INSTALL STORM DRAIN PIPE. SIZE AND TYPE AS LISTED ON PLAN. SEE SHEET C-504/DETAIL 6.
8. CONNECT PVC STORM DRAIN PIPE TO BUILDING ROOF DRAINS. COORDINATE WITH PLUMBING PLANS.

STORMWATER PLAN

SCALE: 1"=40'

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

FOR REFERENCE ONLY

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

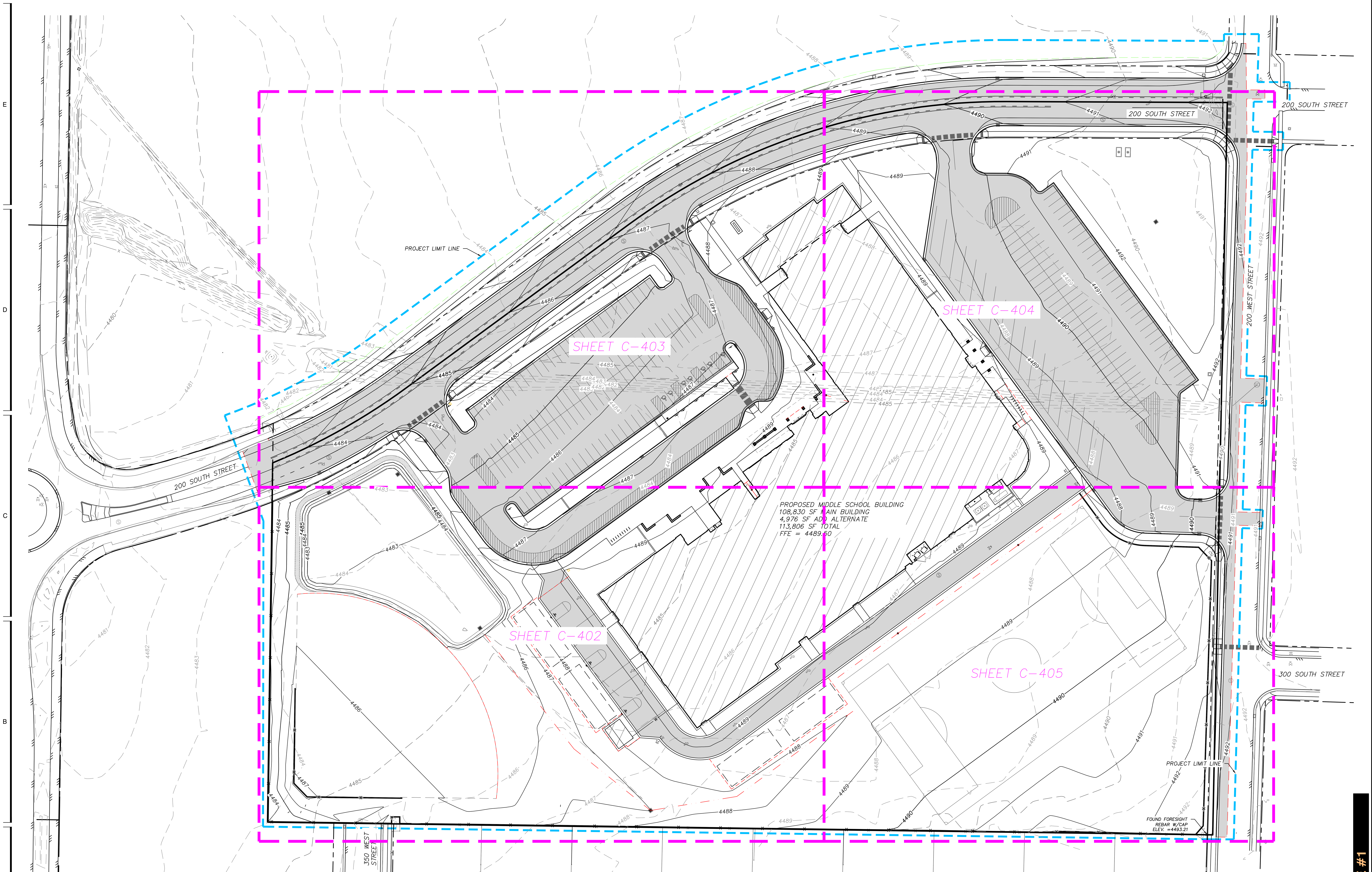
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON 325733-2202 3/14/24 STATE OF UTAH

CIVIL STORMWATER PLAN

C-302



OVERALL GRADING PLAN

SCALE: 1"=40'

GRAPHIC SCALE 1"= 40'

GRADING NOTES

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

GRADING LEGEND

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

SPOT ELEVATION LEGEND

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

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

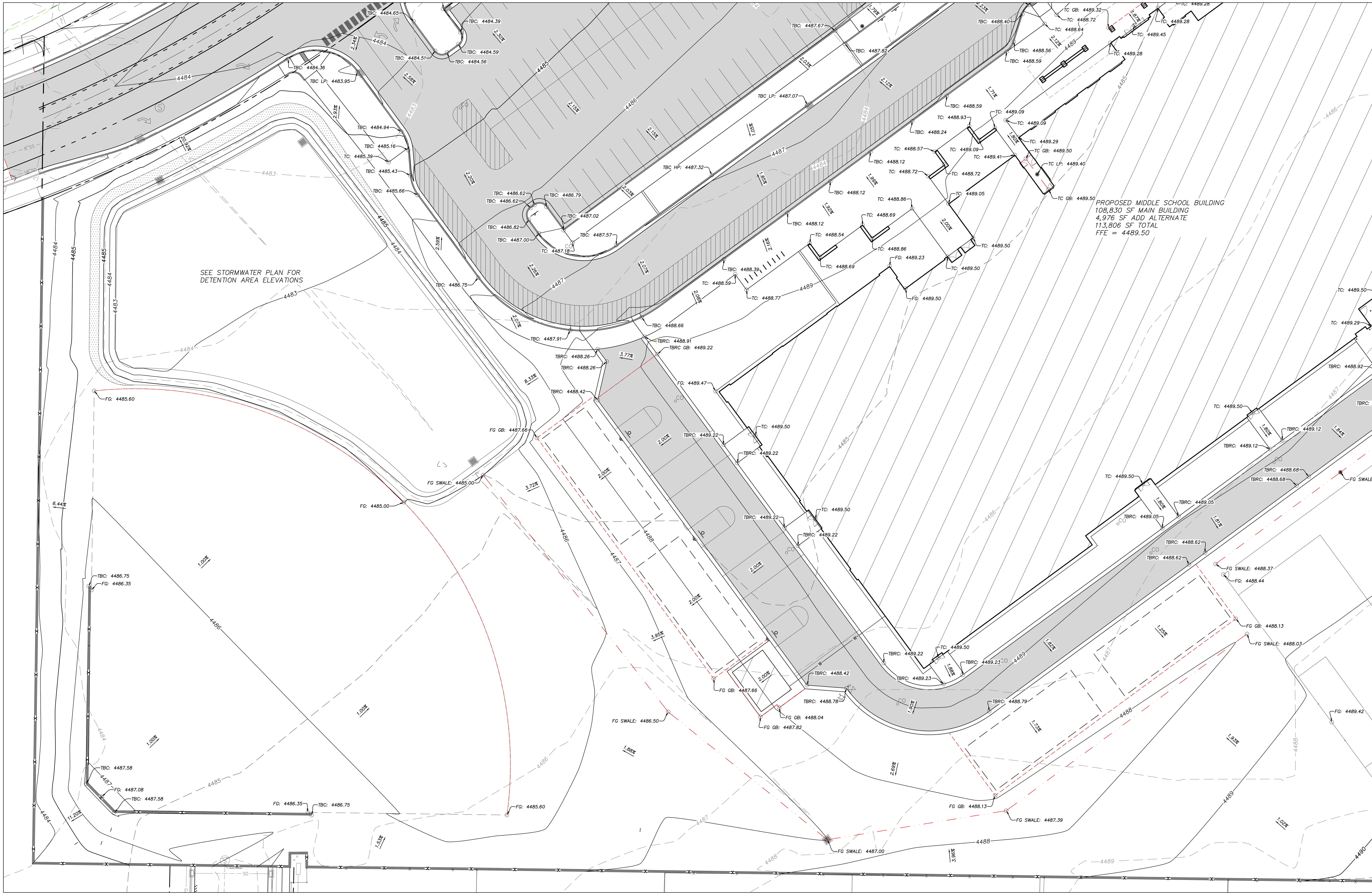
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON 325733-2202 STATE OF UTAH 3/14/24

CIVIL- OVERALL GRADING PLAN

C-401



GRADING PLAN–SOUTHWEST

SCALE: 1"=20'

GRAPHIC SCALE 1" = 20'

GRADING NOTES

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

GRADING LEGEND

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

SPOT ELEVATION LEGEND

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

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:

DATE:

MARK:

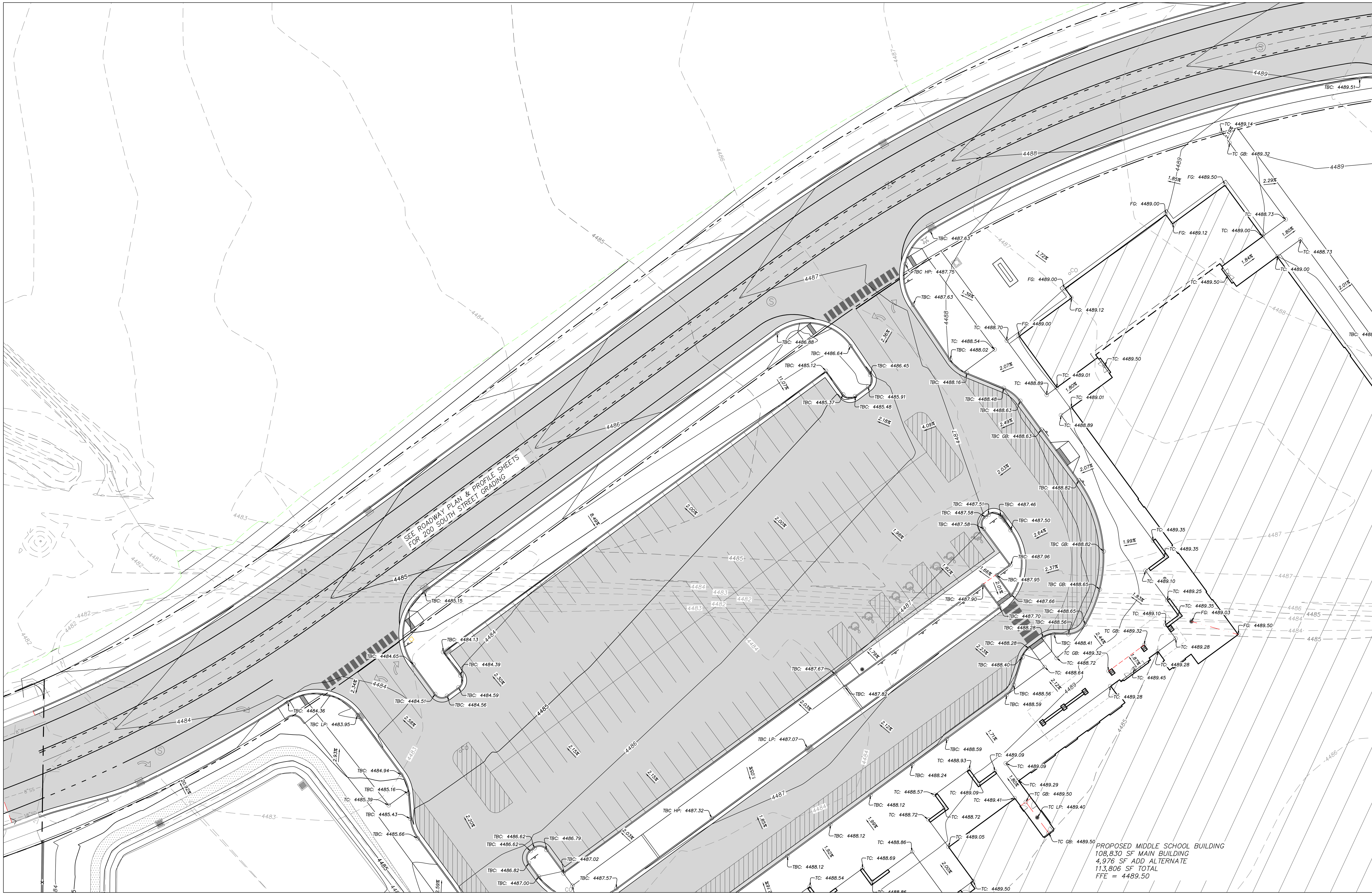
BID PACKAGE #1

PROJECT #:	123005
DRAWN BY:	J. JENSEN
CHECKED BY:	L. ANDERSON
ISSUED:	03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL- GRADING PLAN SOUTHWEST

C-402



GRADING NOTES

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

GRADING LEGEND

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

SPOT ELEVATION LEGEND

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

GRADING PLAN-NORTHWEST

SCALE: 1"=20'

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

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

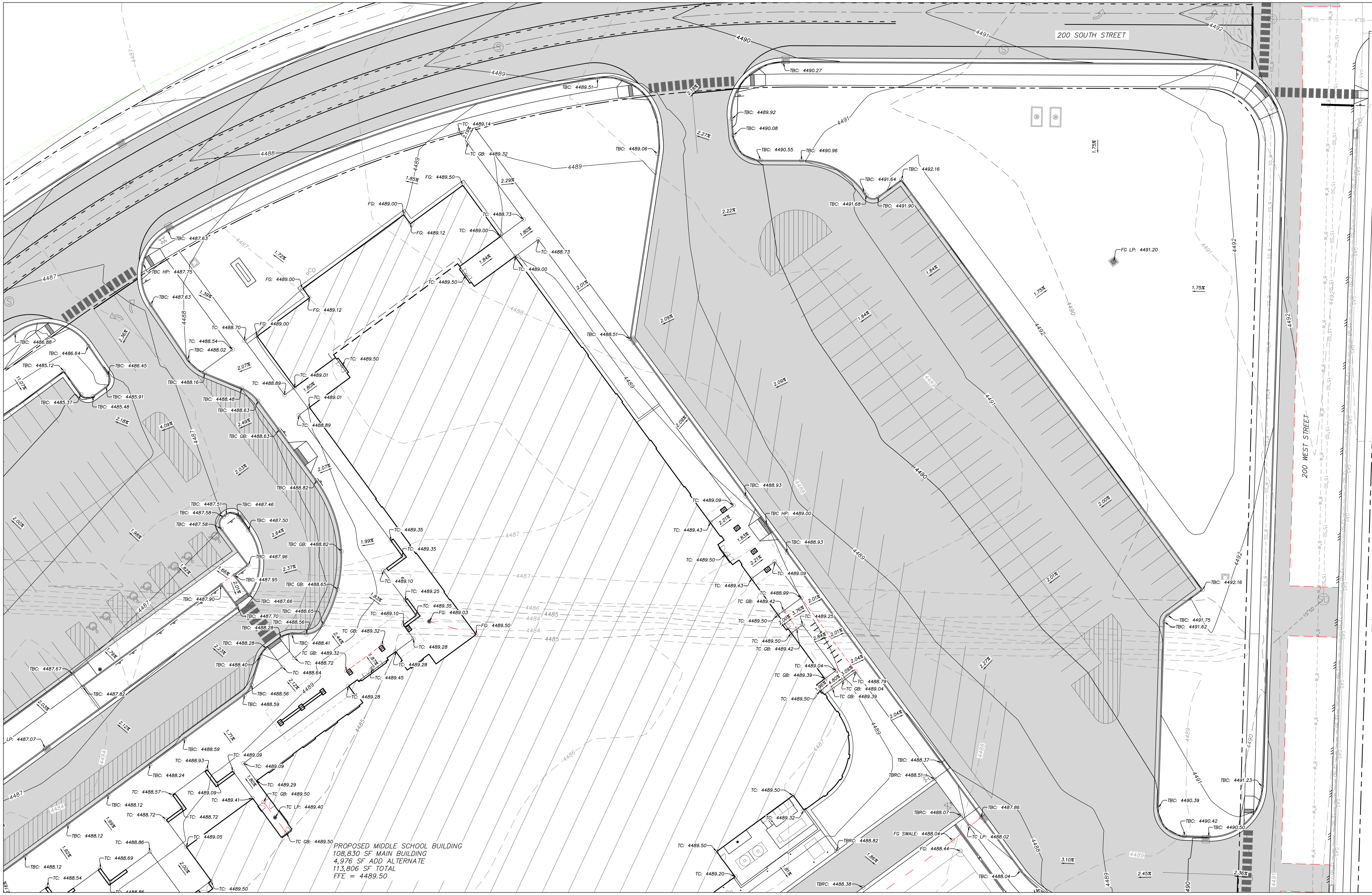
DESCRIPTION:
DATE:
MARK:

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
323733-2202
3/14/24
STATE OF UTAH

CIVIL- GRADING PLAN NORTHWEST

C-403



GRADING NOTES

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

GRADING LEGEND

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

SPOT ELEVATION LEGEND

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

GRADING PLAN-NORTHEAST

SCALE: 1"=20'

GRAPHIC SCALE 1"= 20'

0 10' 20' 40'

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

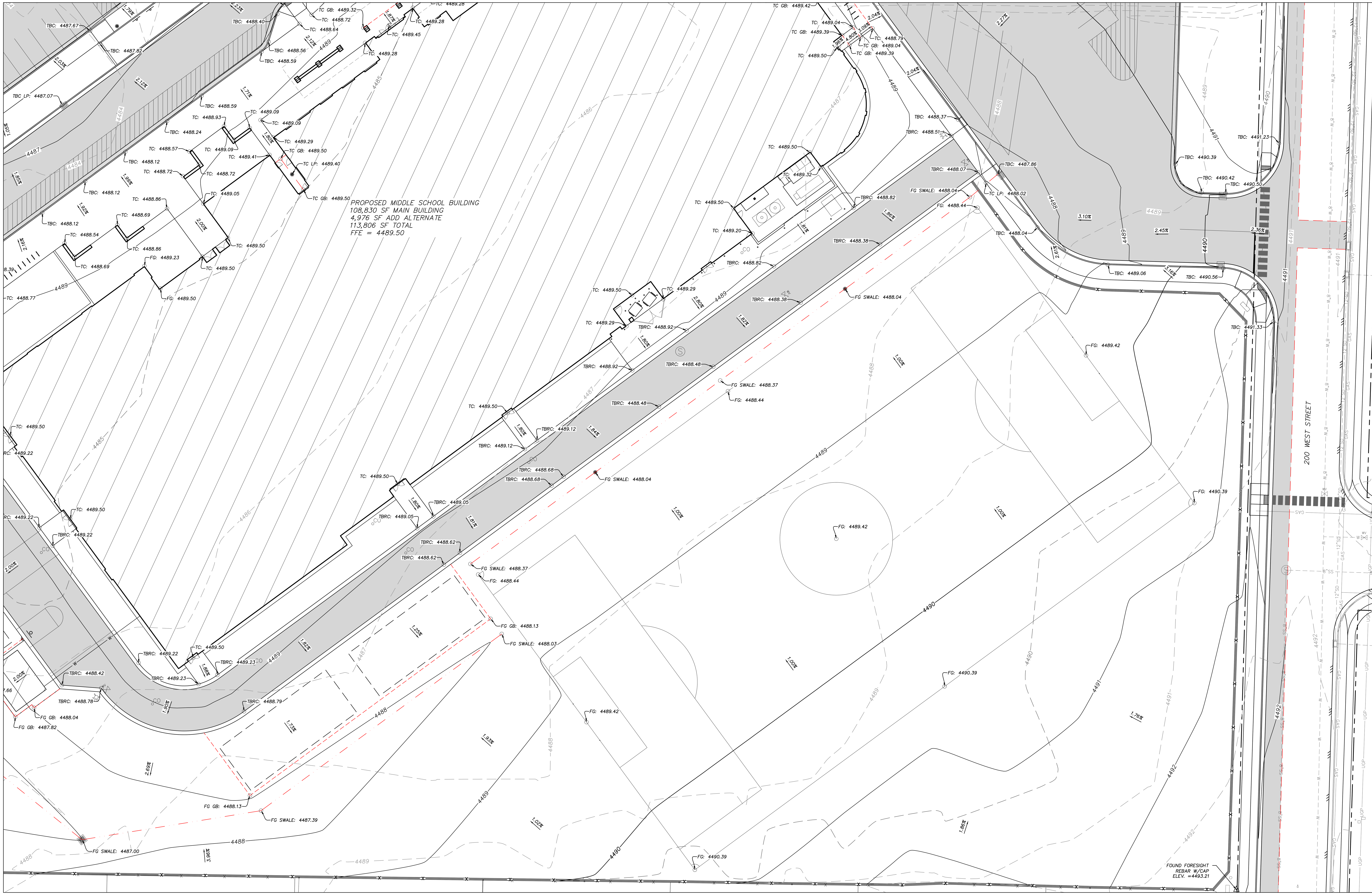
MARK	DATE	DESCRIPTION

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON STATE OF UTAH

CIVIL- GRADING PLAN NORTHEAST

C-404



GRADING NOTES

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

GRADING LEGEND

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

SPOT ELEVATION LEGEND

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

GRADING PLAN–SOUTHEAST

SCALE: 1"=20'

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

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HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

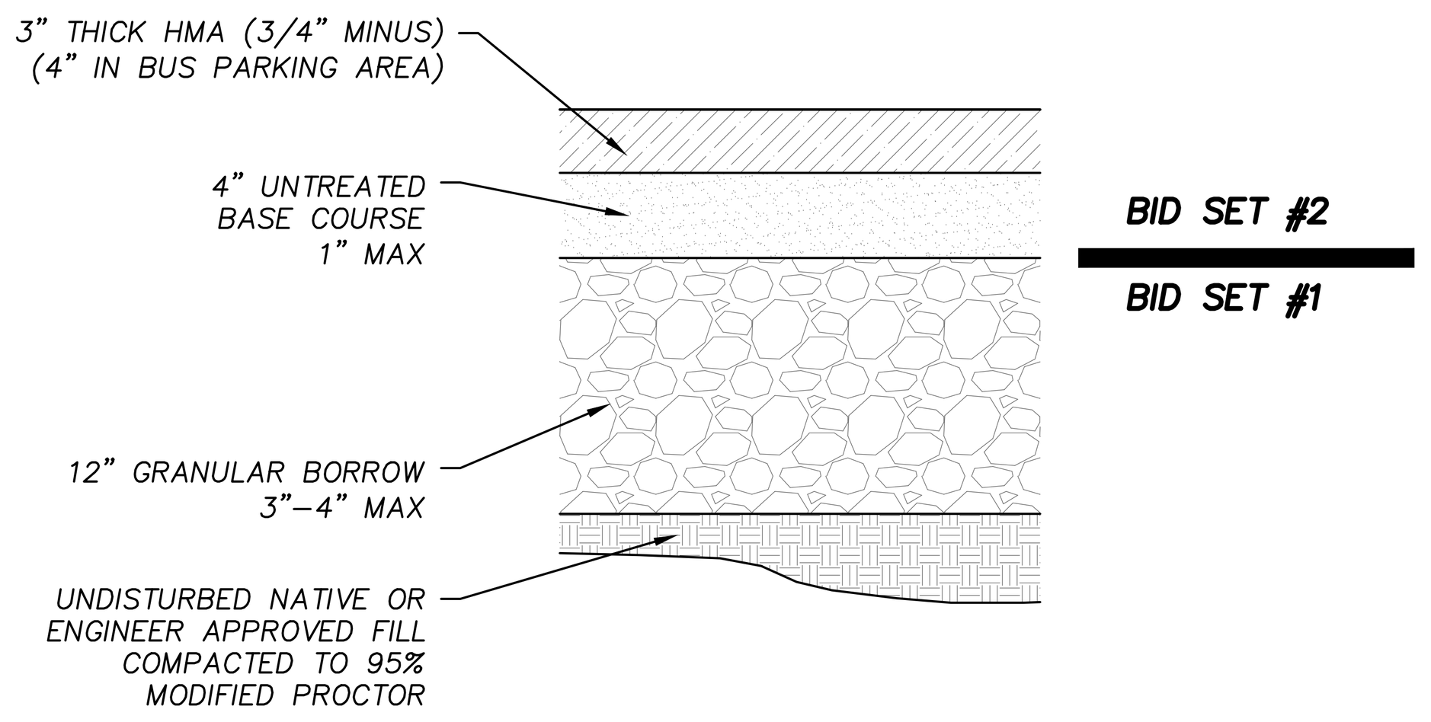
PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON STATE OF UTAH

CIVIL- GRADING PLAN SOUTHEAST

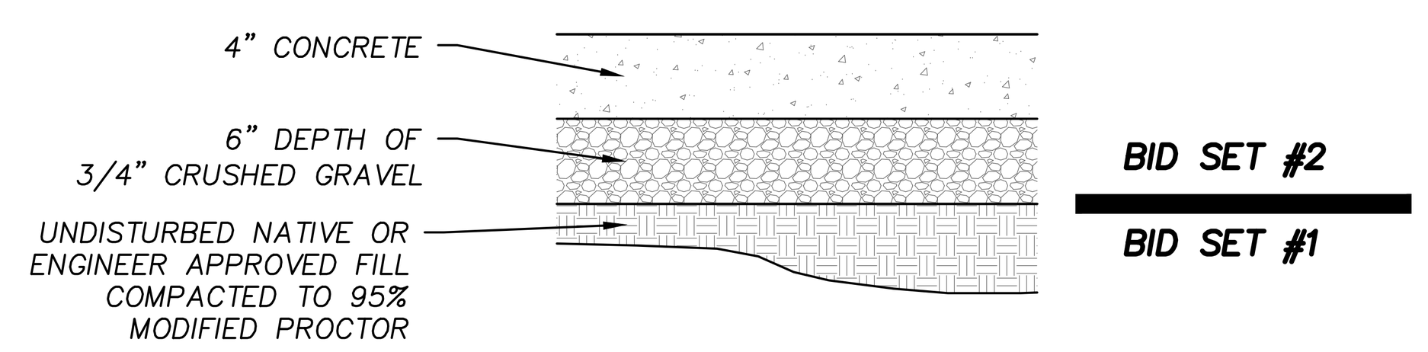
C-405

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



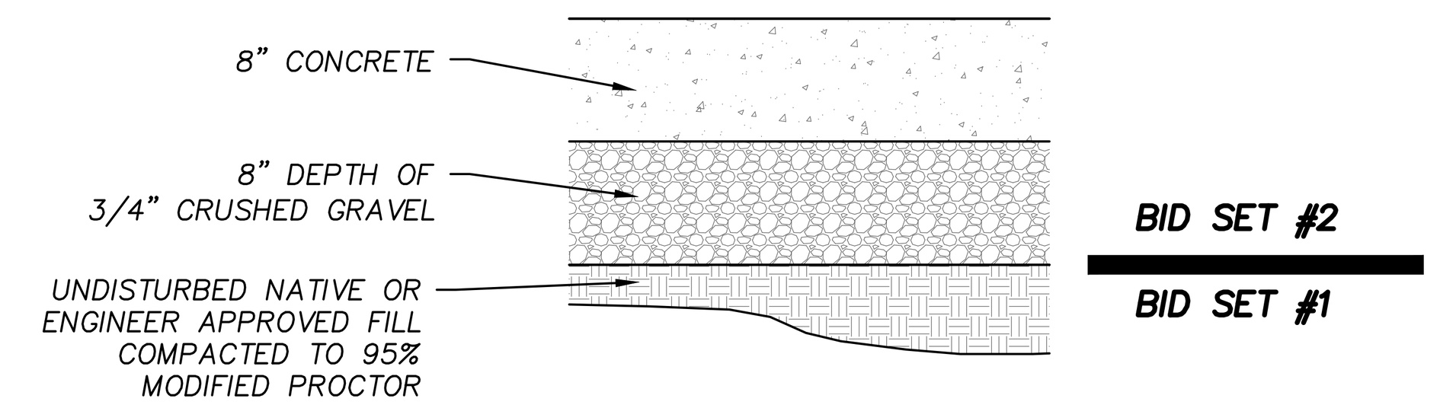
NOTES:
1. INCREASE HMA THICKNESS TO 4" IN SCHOOL BUS PARKING AREA.
2. TOP SOIL IS NOT TO BE USED AS FILL MATERIAL.

1 ON-SITE STANDARD ASPHALT SECTION
SCALE: NTS



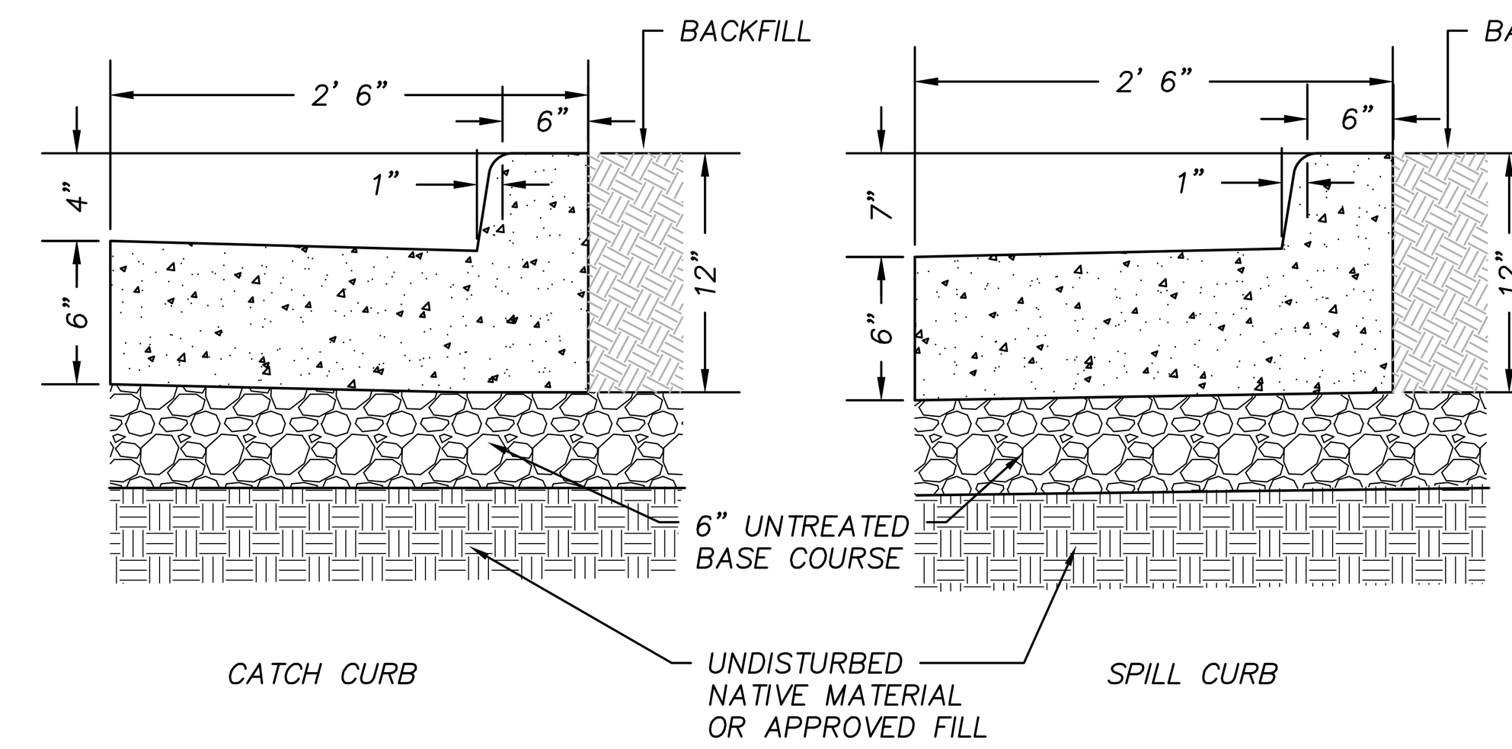
NOTES:
1. CONCRETE SHALL BE 4500 PSI, 28 DAY STRENGTH
2. INSTALL CONTRACTION JOINTS @ 10'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
3. INSTALL EXPANSION JOINTS @ 200'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
4. TOP SOIL IS NOT TO BE USED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

2 STANDARD DUTY CONCRETE SECTION
SCALE: NTS



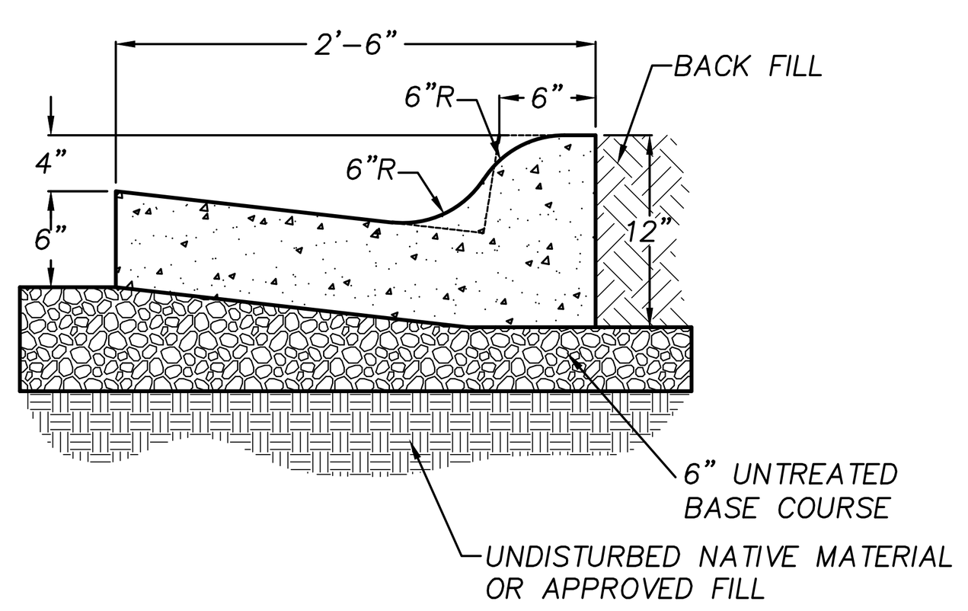
NOTES:
1. CONCRETE SHALL BE 4500 PSI, 28 DAY STRENGTH
2. INSTALL CONTRACTION JOINTS @ 10'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
3. INSTALL EXPANSION JOINTS @ 200'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
4. TOP SOIL IS NOT TO BE USED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

3 HEAVY DUTY CONRETE SECTION
SCALE: NTS



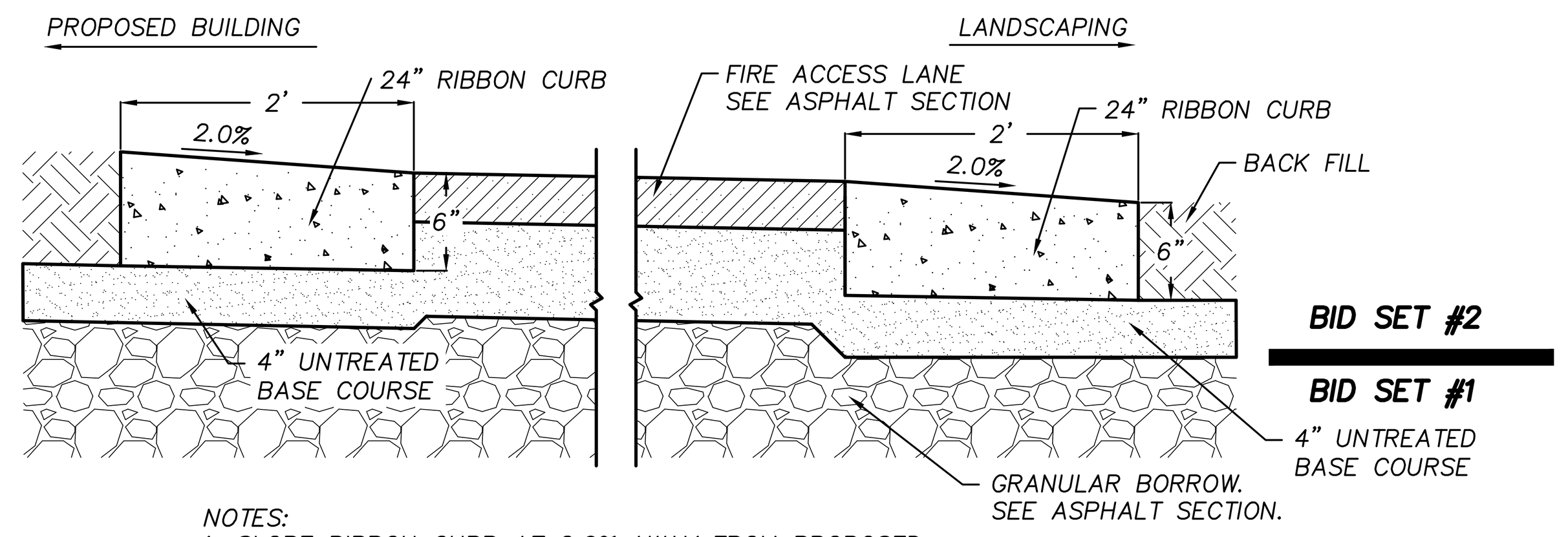
NOTES:
1. CONCRETE SHALL BE 4500 PSI - 28 DAY STRENGTH
2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

4 CONCRETE CURB AND GUTTER
SCALE: NTS



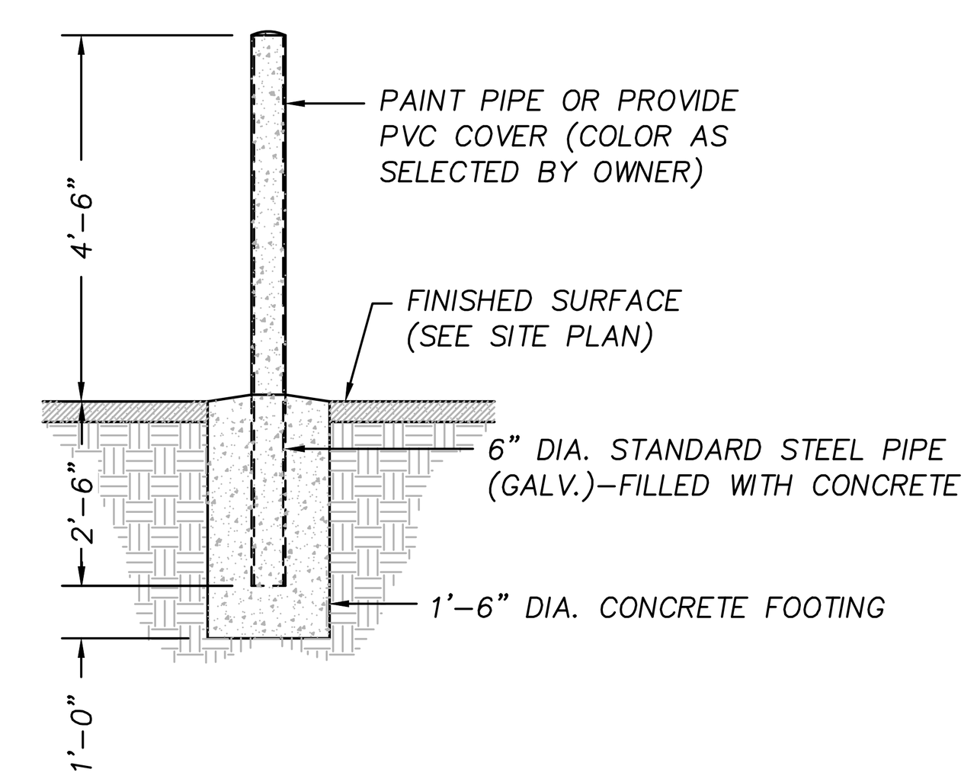
NOTES:
1. CONCRETE SHALL BE 4,500 PSI, 28 DAY STRENGTH.
2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

5 ROLL CURB AND GUTTER SECTION
SCALE: NTS

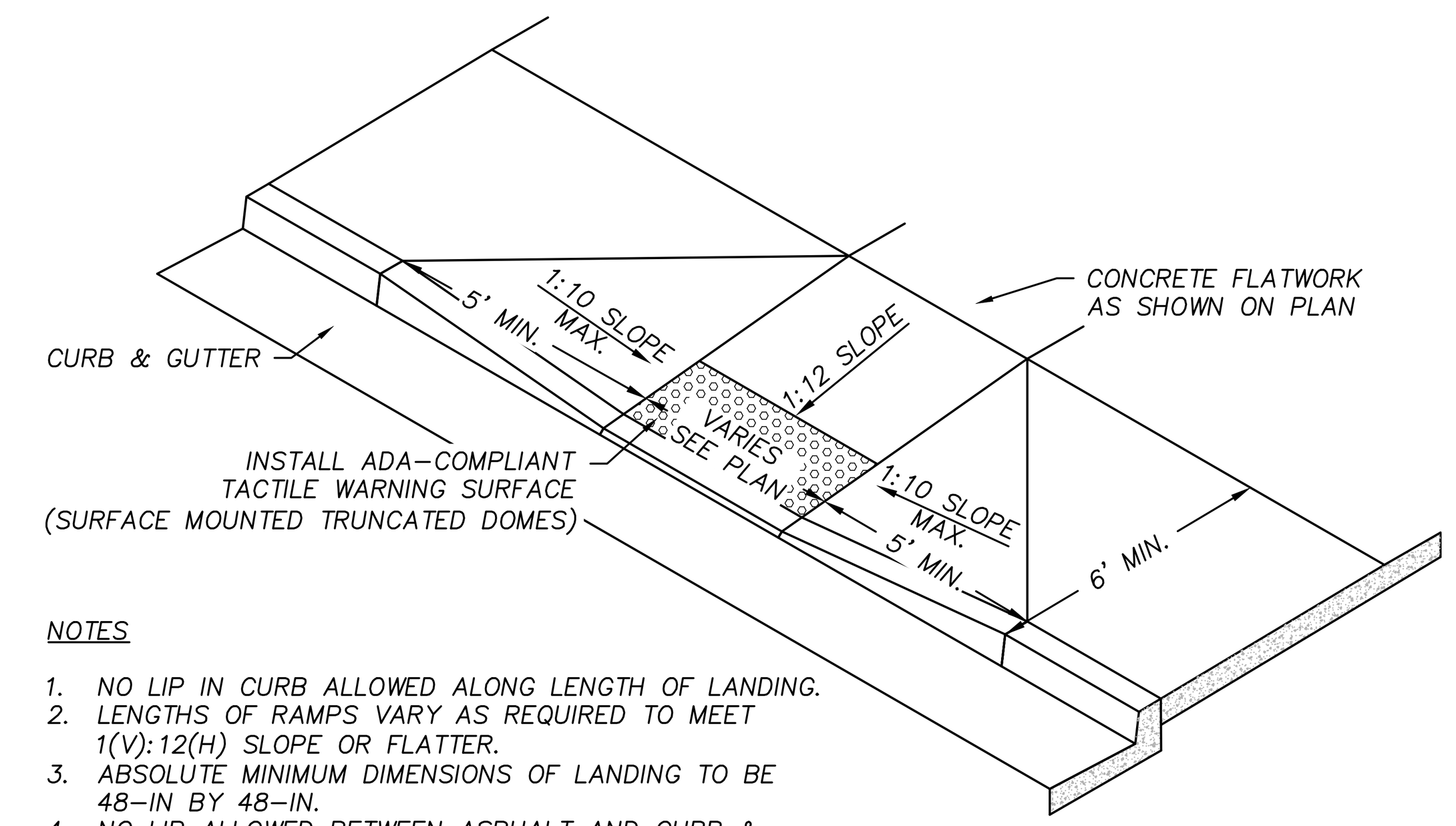


NOTES:
1. SLOPE RIBBON CURB AT 2.0% AWAY FROM PROPOSED BUILDING TO ALLOW STORMWATER TO FLOW UNOBSTRUCTED AWAY FROM BUILDING AND ACROSS FIRE ACCESS LANE..
2. CONCRETE SHALL BE 4,500 PSI, 28 DAY STRENGTH.
3. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
4. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

6 24 IN RIBBON CURB SECTION
SCALE: NTS

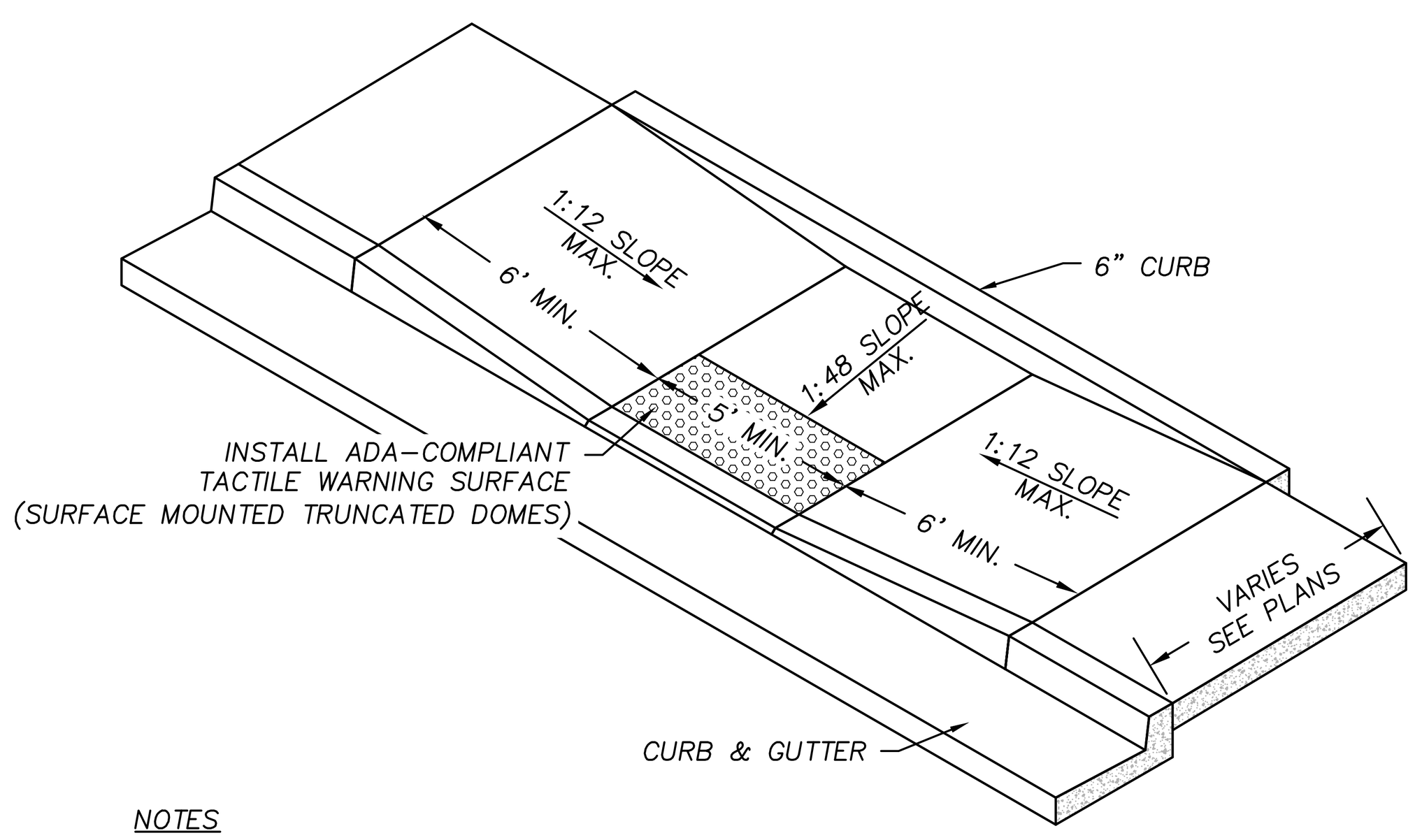


7 6" CONCRETE BOLLARD
SCALE: NTS



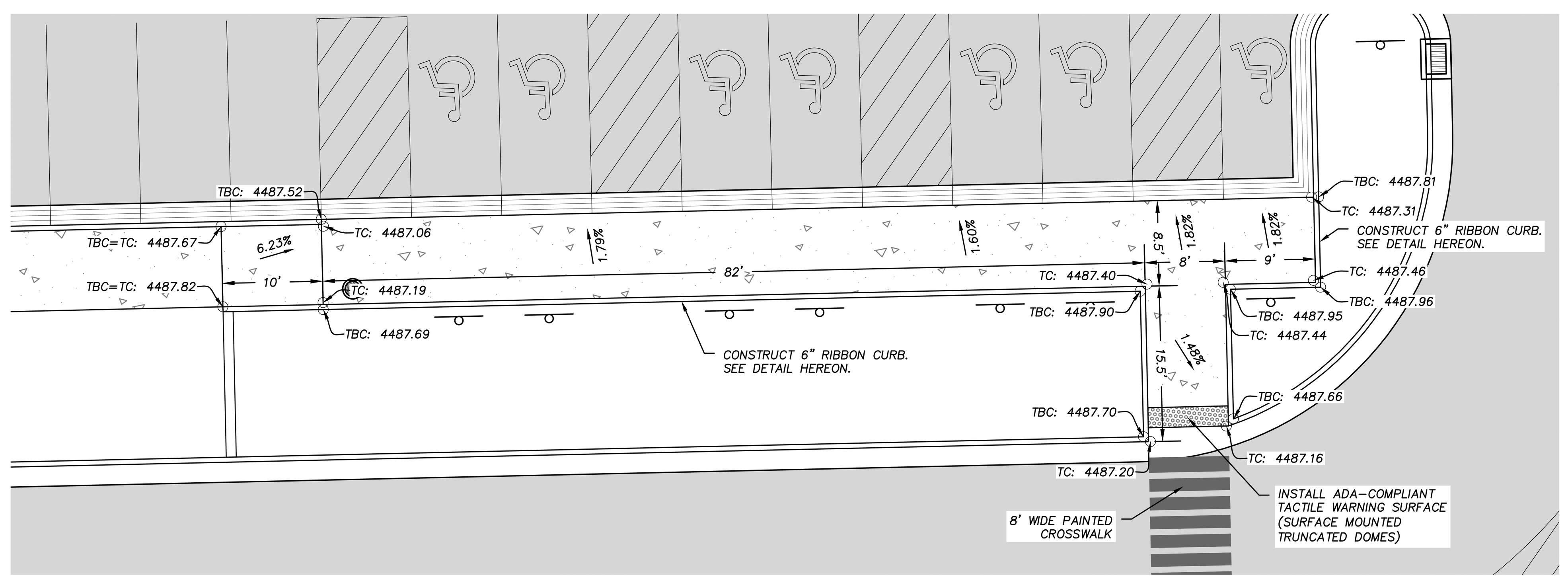
NOTES
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
2. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

8 PERPENDICULAR ADA RAMP (TYP.)
SCALE: NTS

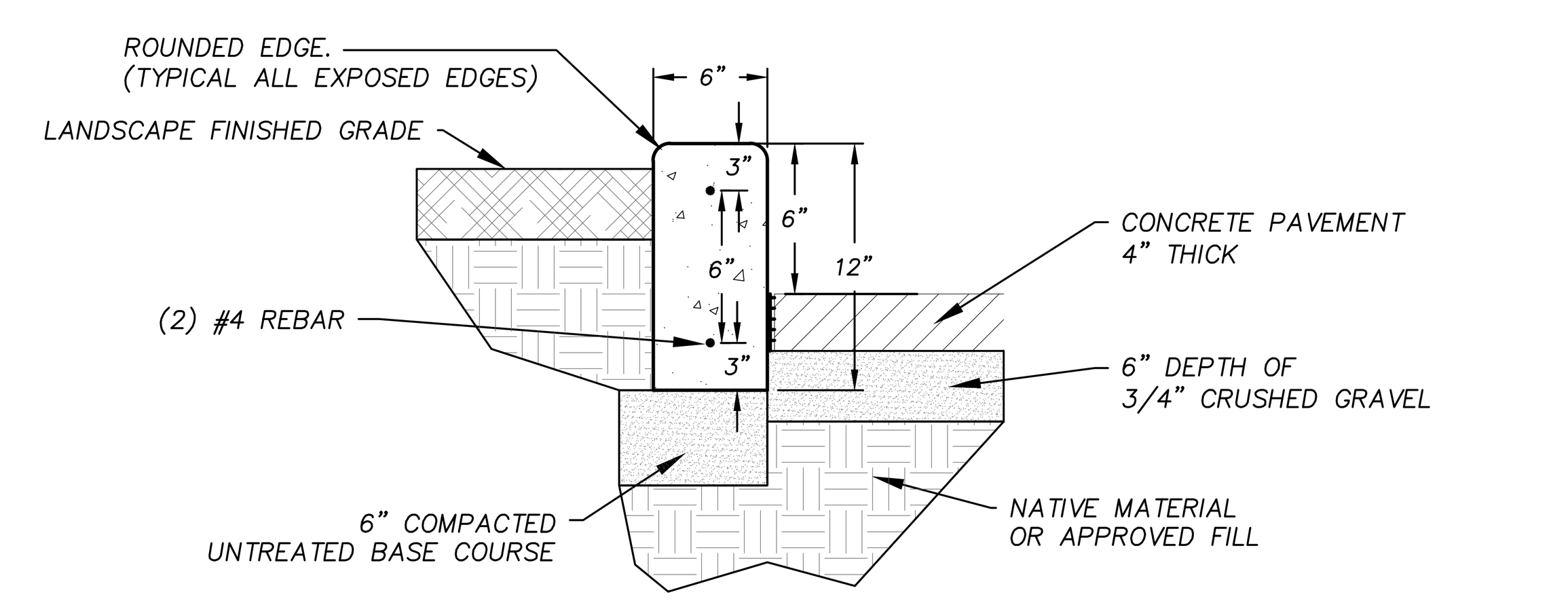


NOTES
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
2. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

9 PARALLEL ADA RAMP (TYP.)
SCALE: NTS

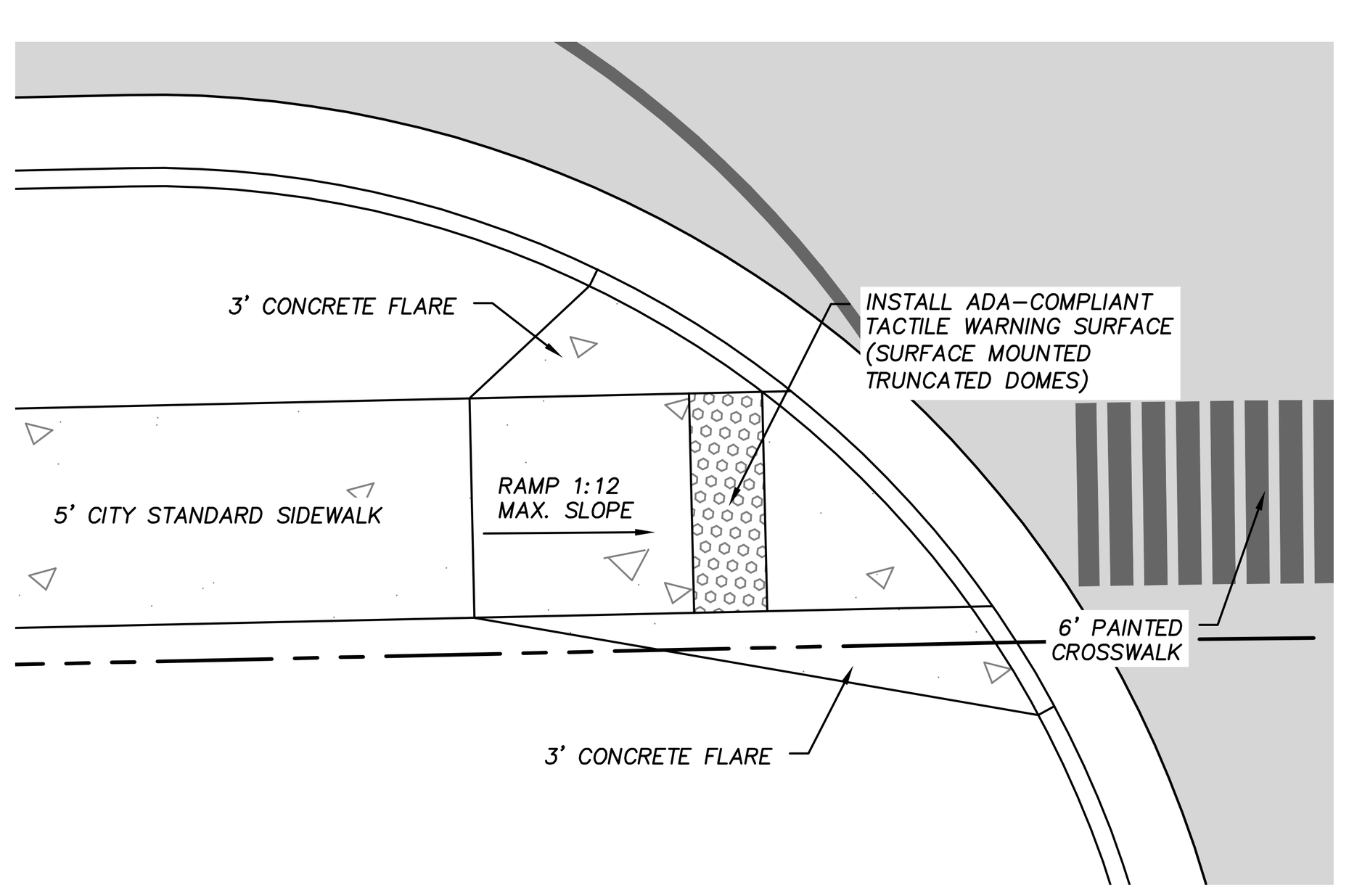


10 ADA PARKING AREA
SCALE: 1" = 10'

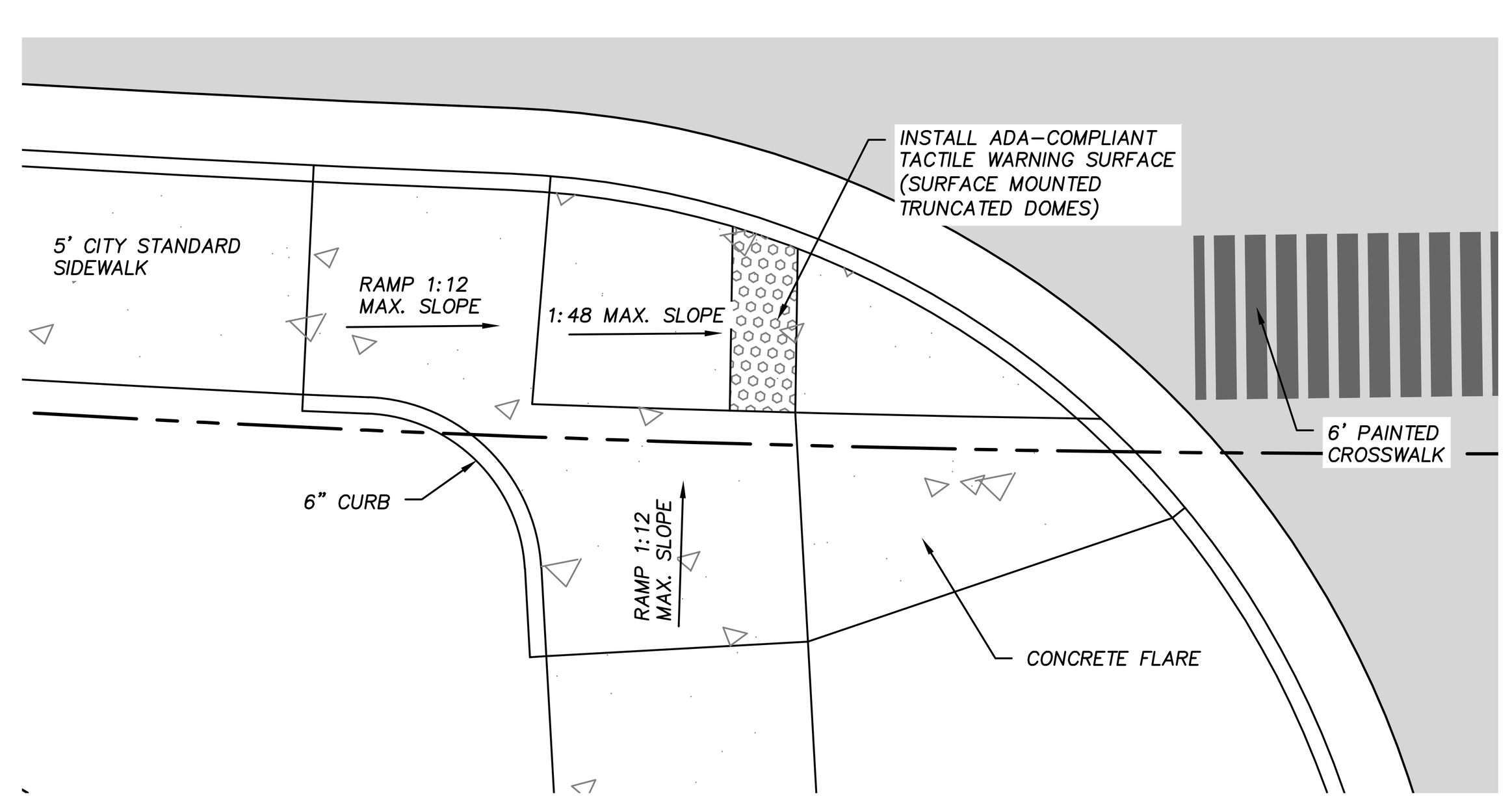


NOTES:
1. CONCRETE SHALL BE 4,500 PSI, 28 DAY STRENGTH.
2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

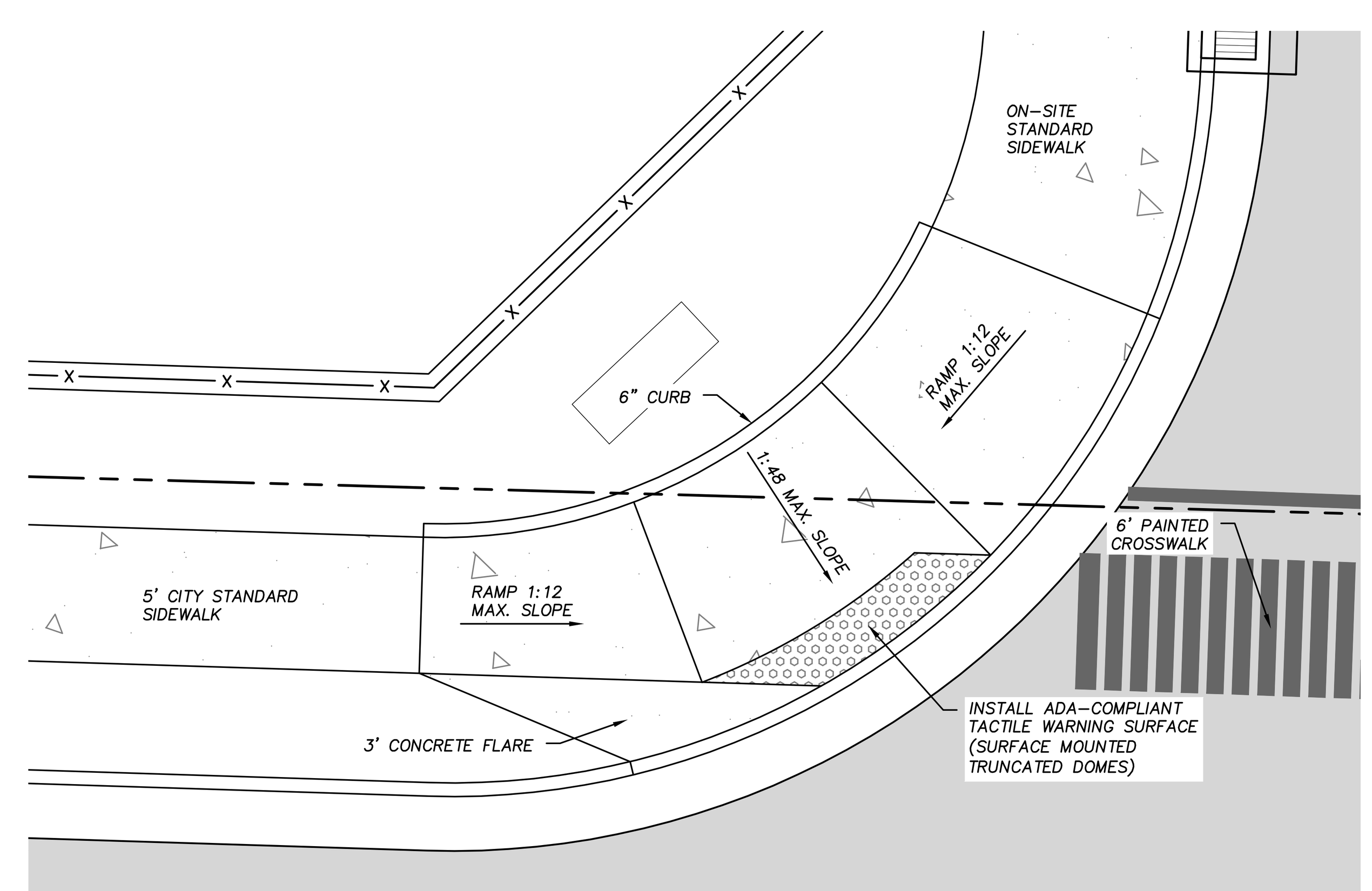
11 6" RIBBON CURB SECTION
SCALE: NTS



12 ADA RAMP AT ROADWAY ACCESS (TYP.)
SCALE: 1" = 5'



13 ADA RAMP 200 SOUTH STA. 2+30.00
SCALE: 1" = 5'



14 ADA RAMP 200 WEST STA. 19+65.50
SCALE: 1" = 5'

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SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

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435.713.0099

BID PACKAGE #1

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

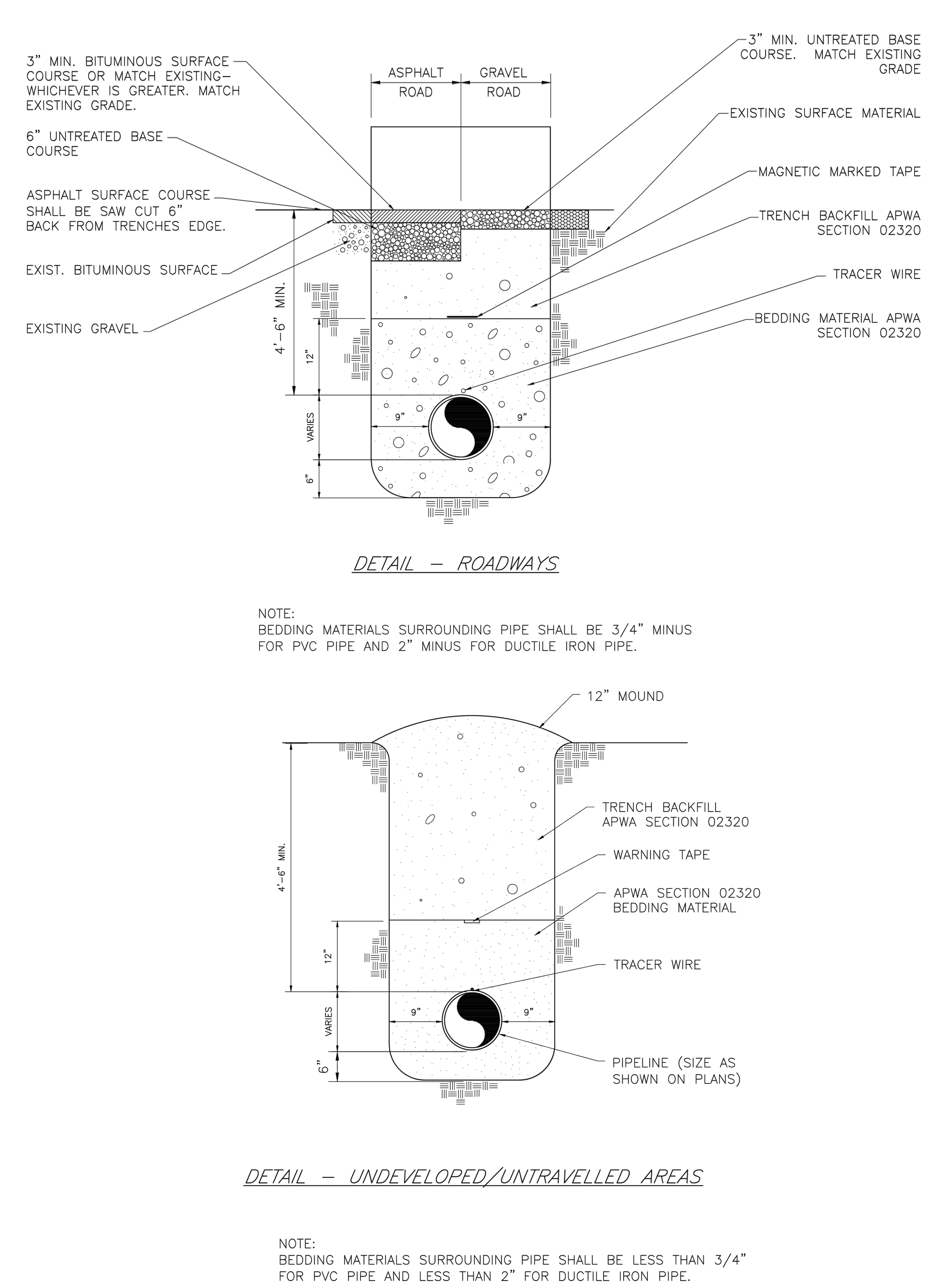
PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER, LANCE ANDERSON, STATE OF UTAH

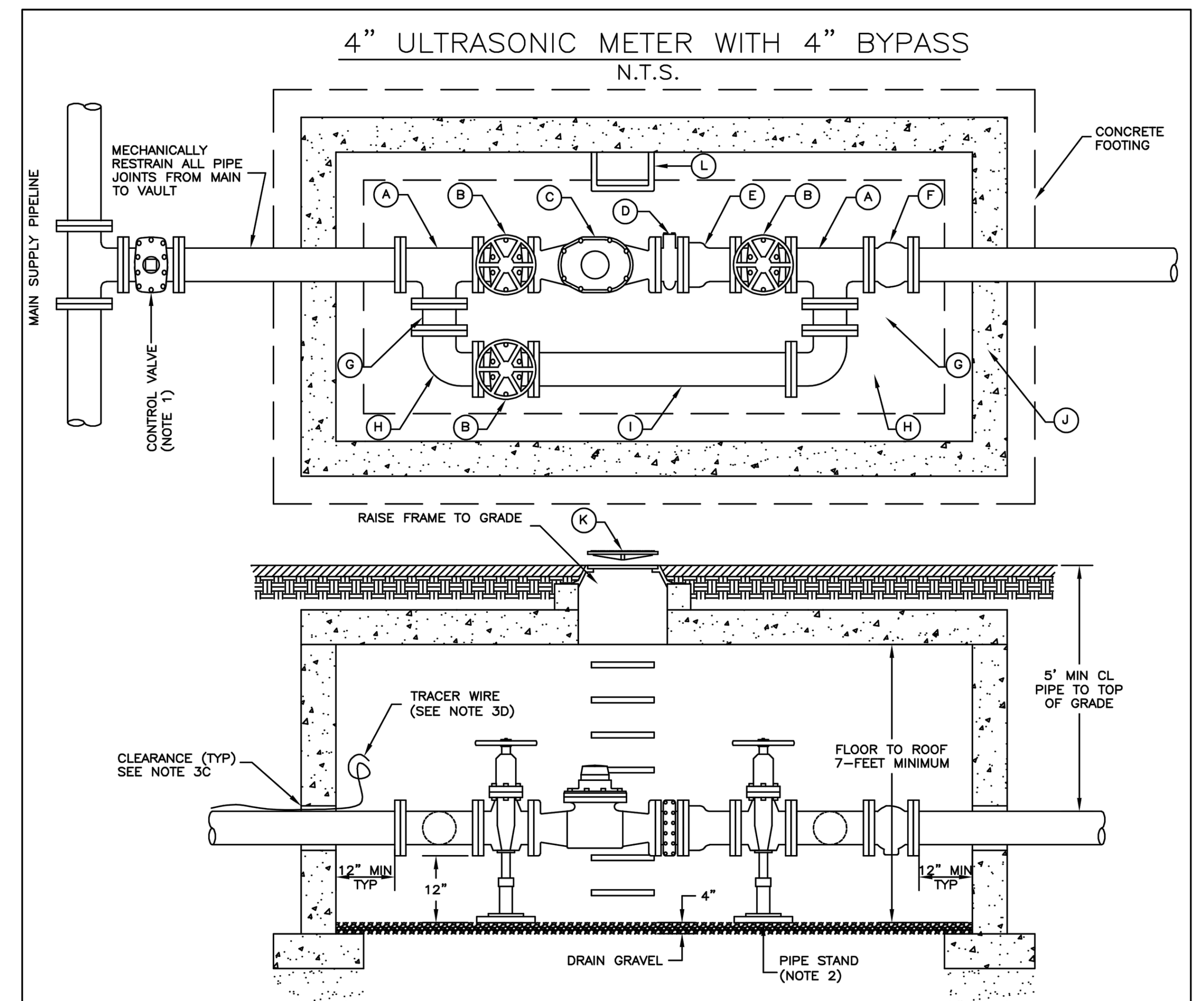
CIVIL UTILITY DETAILS

C-501

TRENCH DETAILS



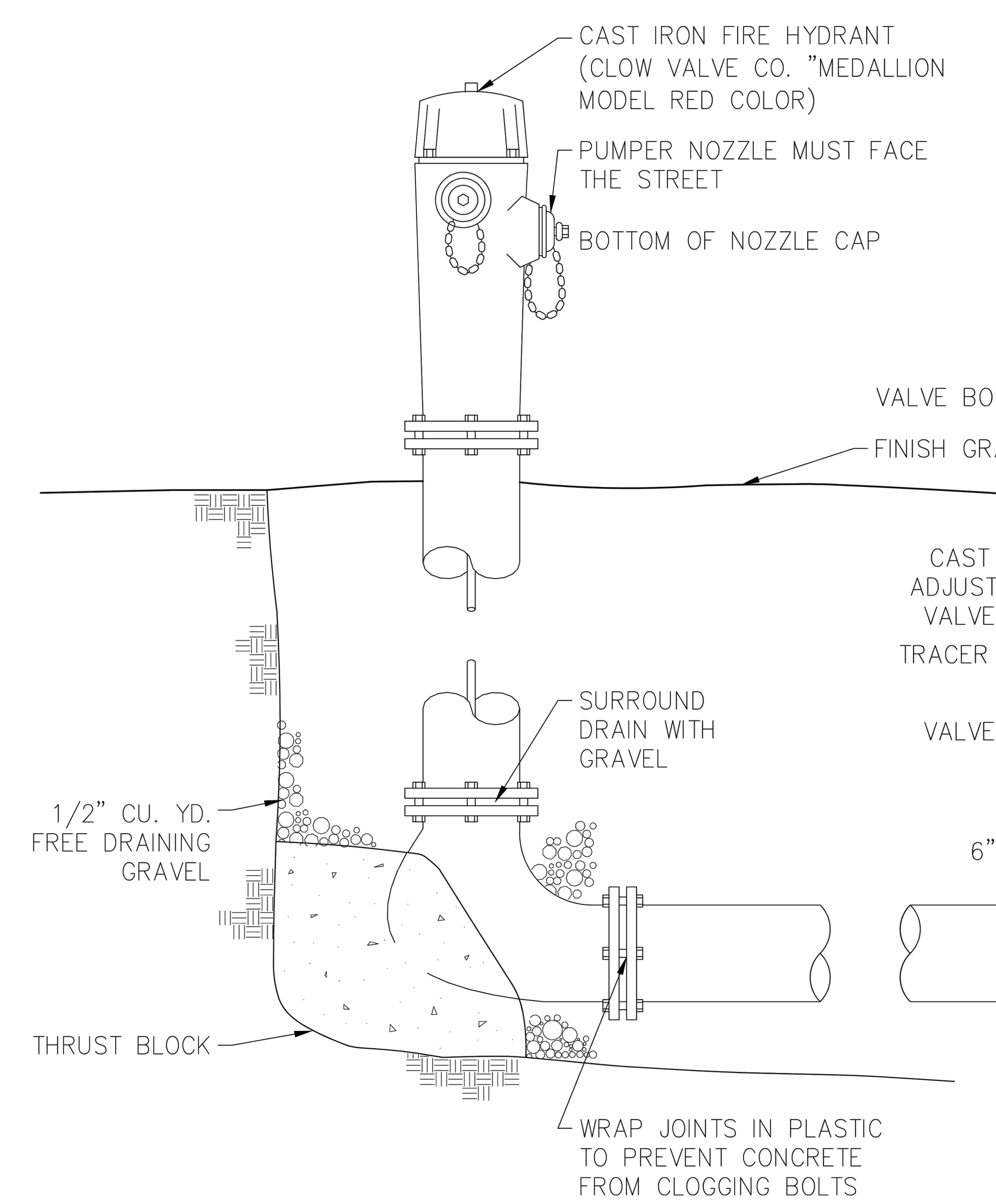
1 HYDE PARK UTILITY TRENCH DETAIL
SCALE: NTS



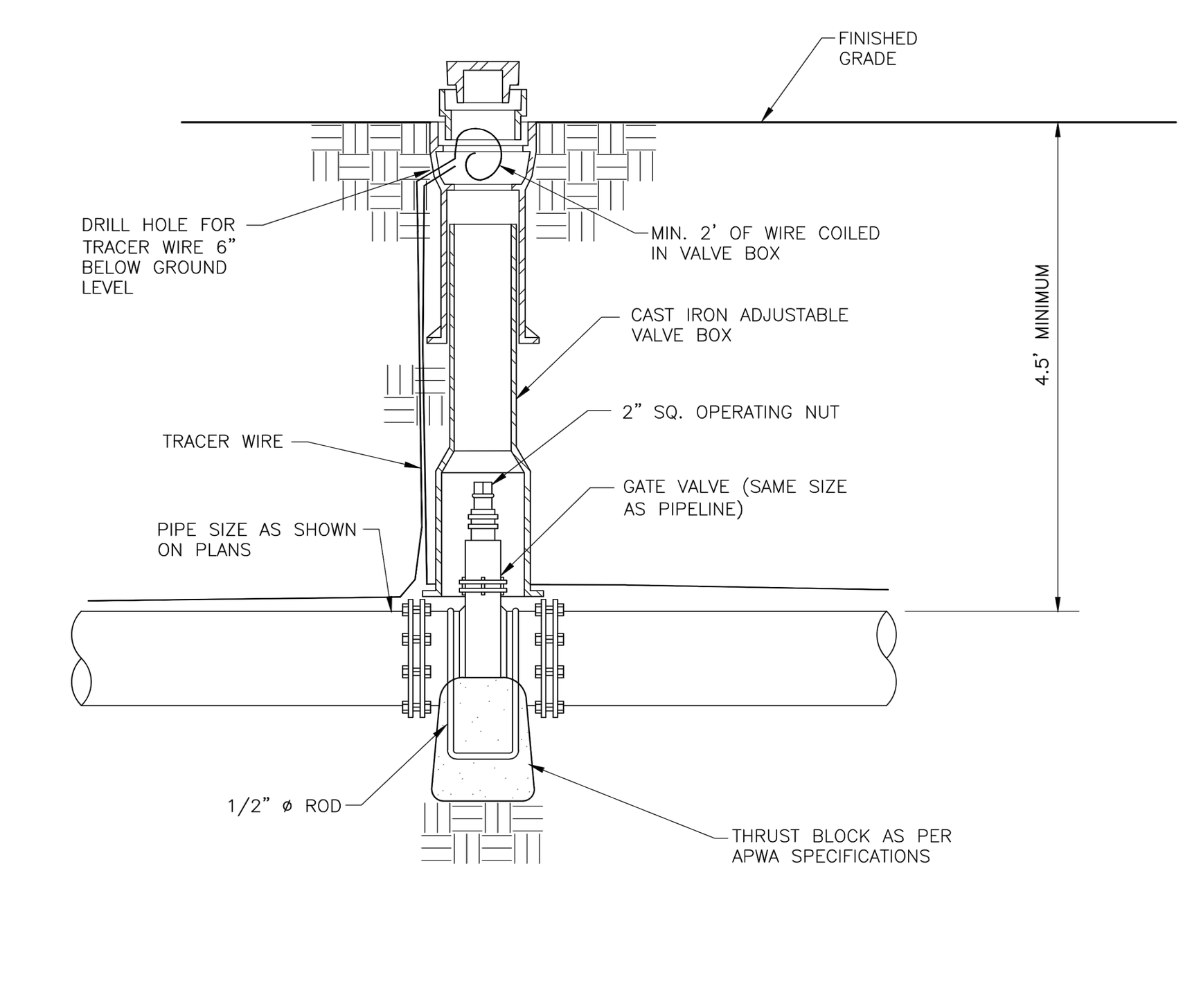
LEGEND

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

2 APWA 4 INCH WATER METER
SCALE: NTS



3 HYDE PARK FIRE HYDRANT DETAIL
SCALE: NTS

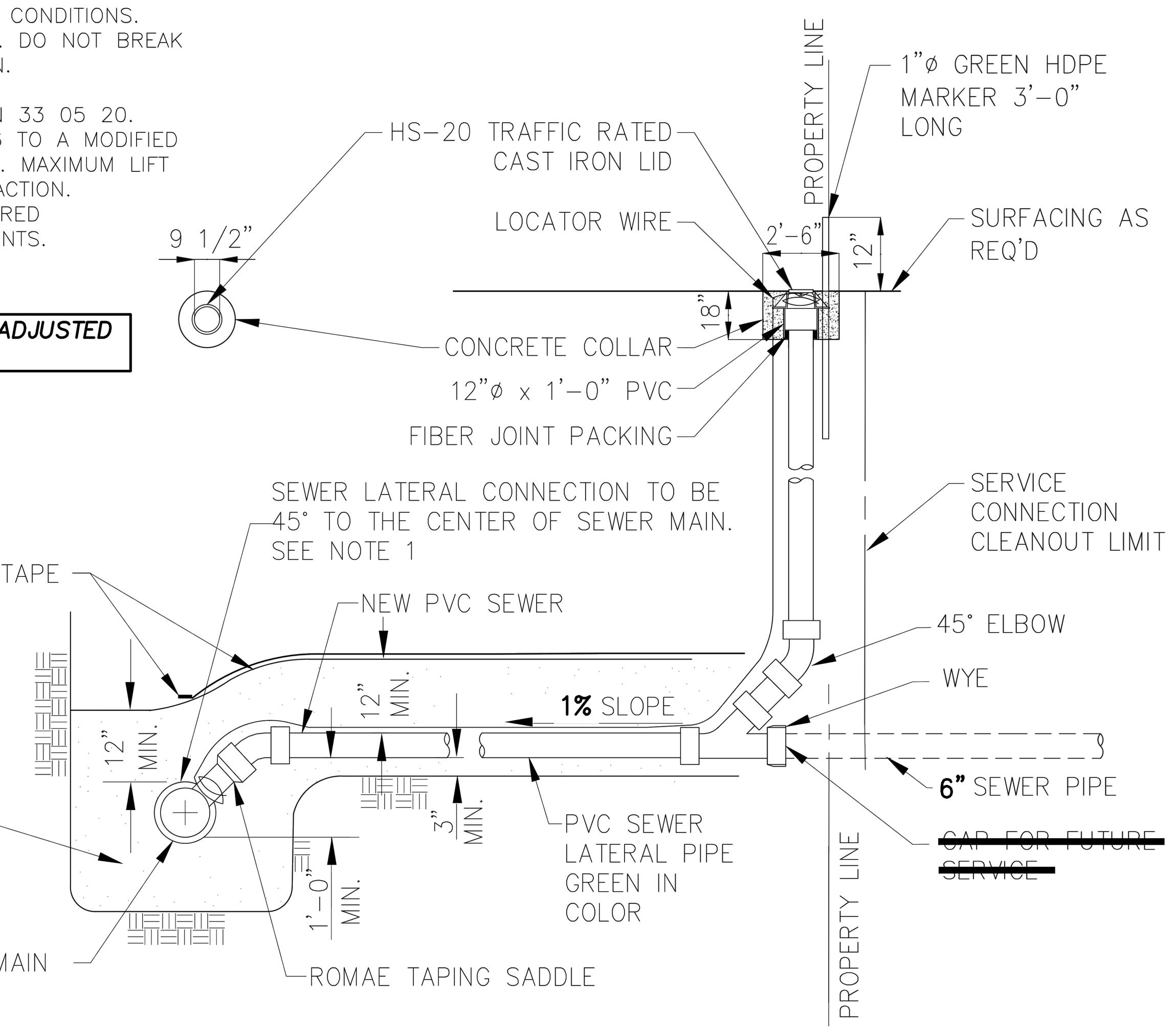


NOTE: VALVE BOX SHALL BE CLEAN, PLUMB AND PROPERLY ALIGNED ON THE VALVE.

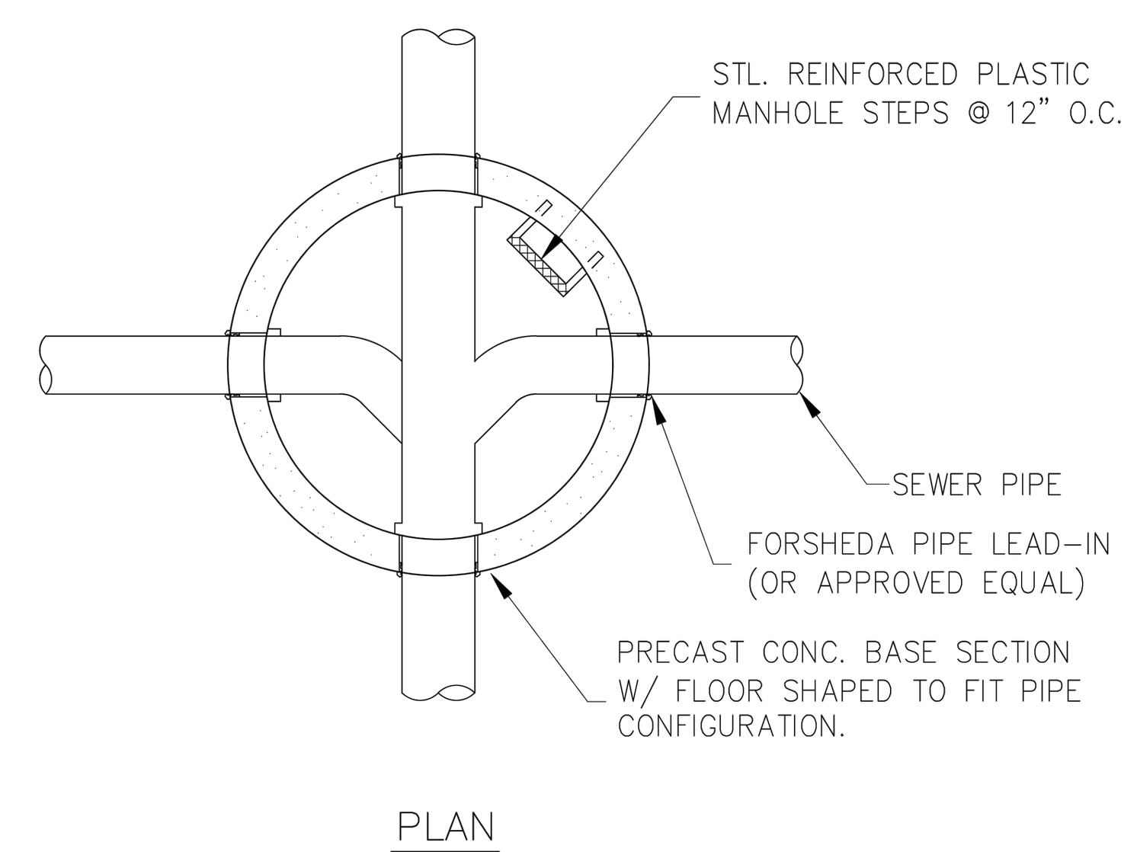
4 HYDE PARK WATER VALVE DETAIL
SCALE: NTS

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

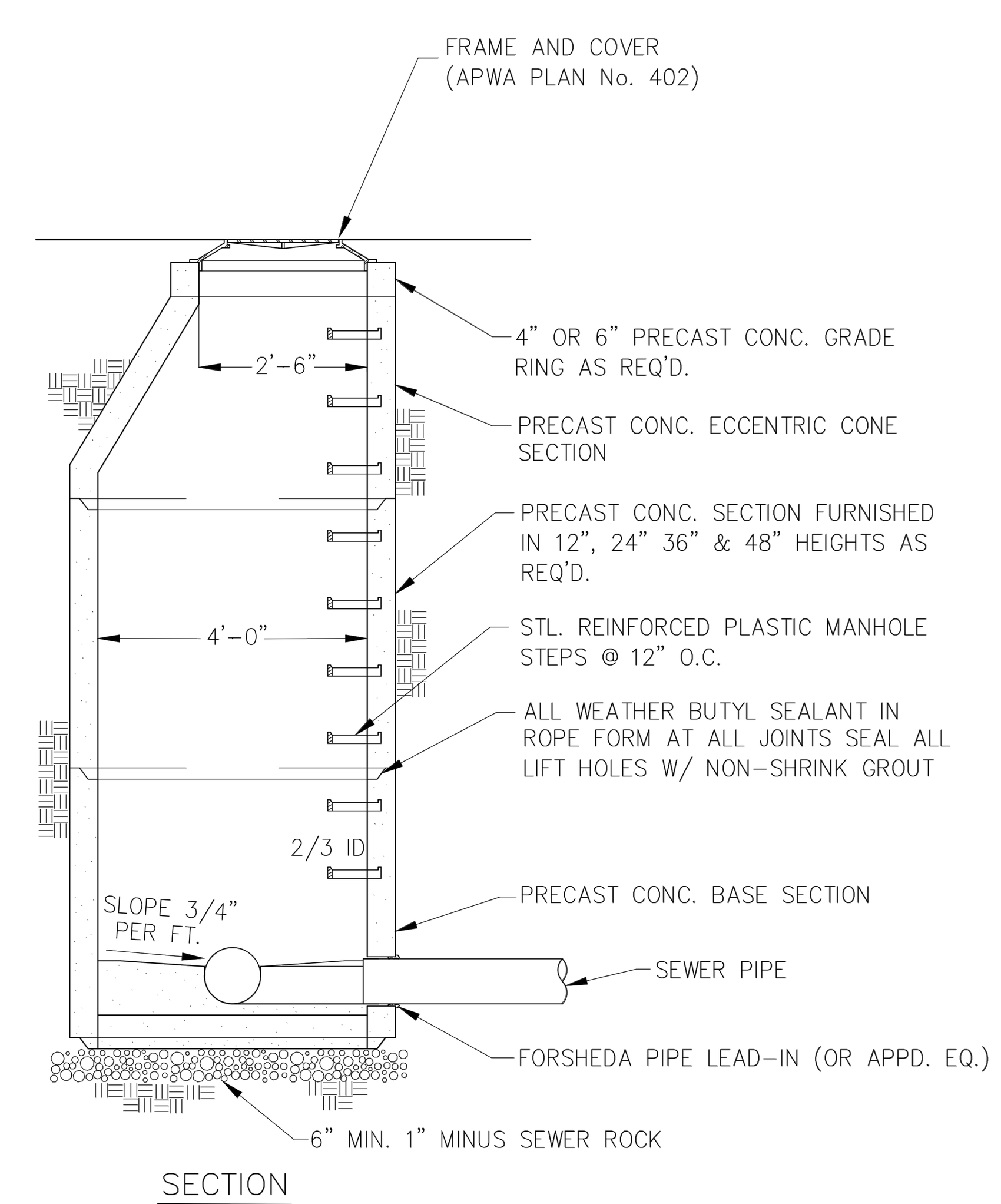
NOTE: SEWER PIPE SIZE AND SLOPE ADJUSTED FROM HYDE PARK STANDARD DETAIL

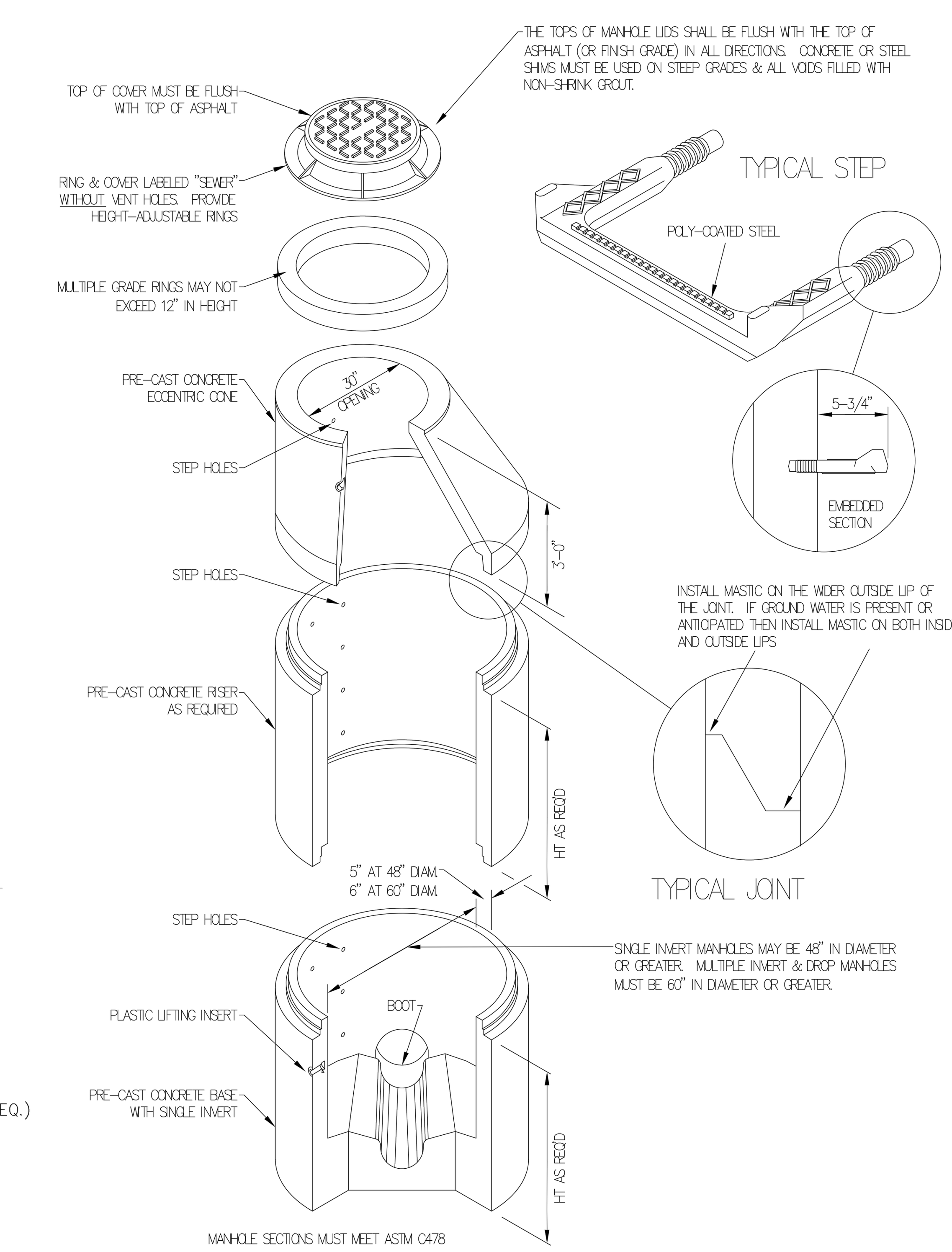


5 SANITARY SEWER LATERAL AND CLEAN OUT DETAIL
SCALE: NTS



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





6 HYDE PARK SANITARY SEWER MANHOLE DETAIL
SCALE: NTS

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255 SOUTH 300 WEST LOGAN UT 84321
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HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE #1

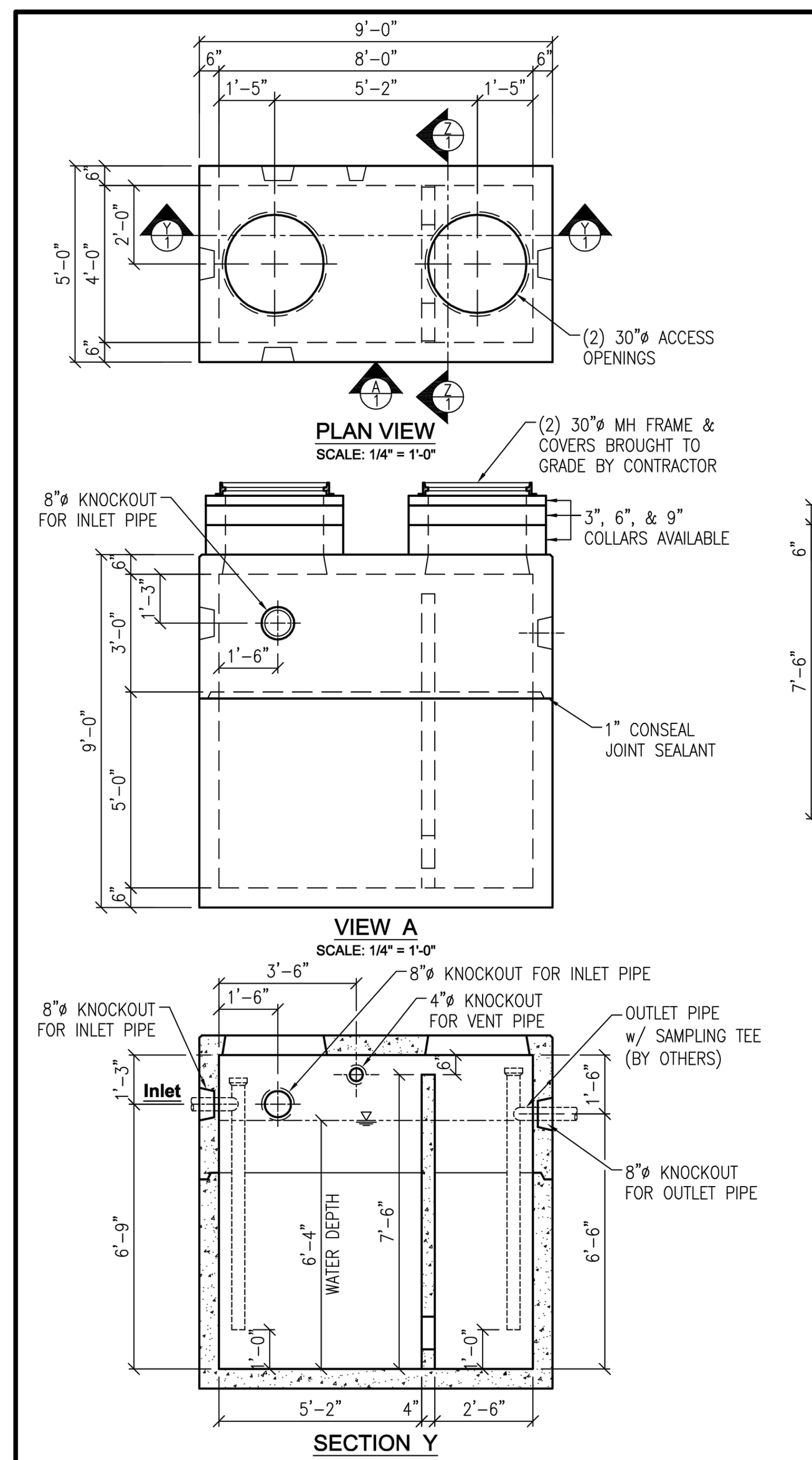
MARK	DATE	DESCRIPTION

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
STATE OF UTAH

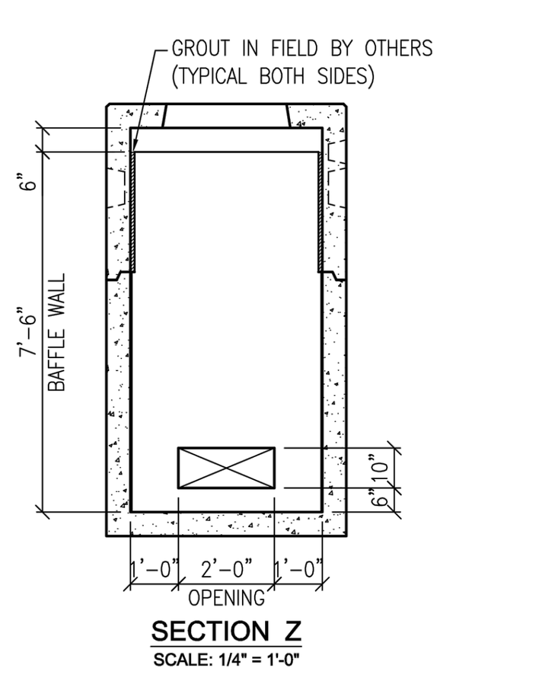
CIVIL UTILITY DETAILS

C-502



SHIP-LOOSE ITEMS		
QTY	DESCRIPTION	ITEM ID
2 ROLLS	JOINT SEALANT 1" x 14.5' CS-102	5439200

OLDCASTLE ID		
QTY	DESCRIPTION	ITEM ID
1 EA.	4 x 8 x 3 TOP SECTION	1902315
1 EA.	4 x 8 x 5 BASE SECTION	0068255
1 EA.	4 x 8 1500 GAL. BAFFLE WALL	1902310
1 EA.	BAFFLE WALL INSTALLATION	1902311



SECTION Z
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. CONCRETE: F'c = 5,000 psi.
2. REINFORCING STEEL: ASTM A-615, Fy = 60 ksi
3. DESIGN LIVE LOAD = HS-20
4. EARTH COVER = 0'-0" MIN. TO 2'-0" MAX.
5. BUTYL RUBBER JOINT SEALANT
6. GRAY WATER ONLY
7. BLACK WATER SHALL BE CARRIED BY SEPARATE SIDE SEWER
8. CONTRACTOR TO:
   - SUPPLY & INSTALL ALL PIPING & SAMPLING TEES
   - KNOCKOUT OPENINGS AS NEEDED & GROUT IN ALL PIPES & WEIRS
   - FILL w/ CLEAN WATER PRIOR TO "START UP" OF SYSTEM
   - VERIFY SIZE & LOCATION OF ALL OPENINGS

WEIGHTS:

TOP SECTION: 4.25 TONS / 8491 LBS.
BASE SECTION: 6.46 TONS / 12929 LBS.
BASE SECTION w/ BAFFLE: 7.16 TONS / 14325 LBS.

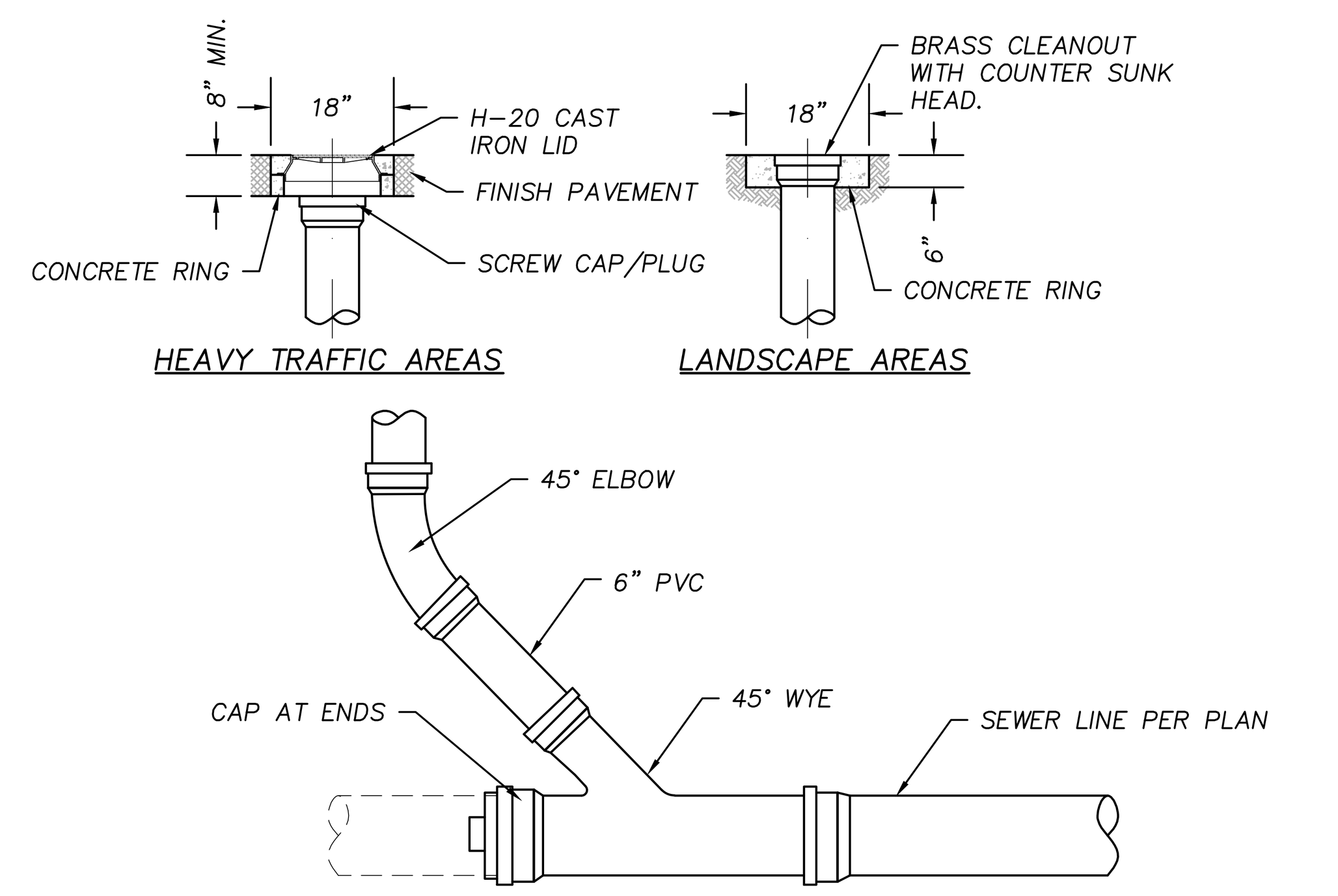
Oldcastle Precast® CHESAPEAKE
1401 TRIMBLE ROAD
EDGEWOOD, MD 21040 410-612-1213
5115 MASSAPONAX CHURCH ROAD
FREDERICKSBURG, VA 22407 540-898-6300
OPI-CHESAPEAKE-INFO@OLDCASTLE.COM

GI-488
FILE NAME: 365GT1500GA.DWG
ISSUE DATE: October, 2017
SCALE: 1/4" = 1'-0"

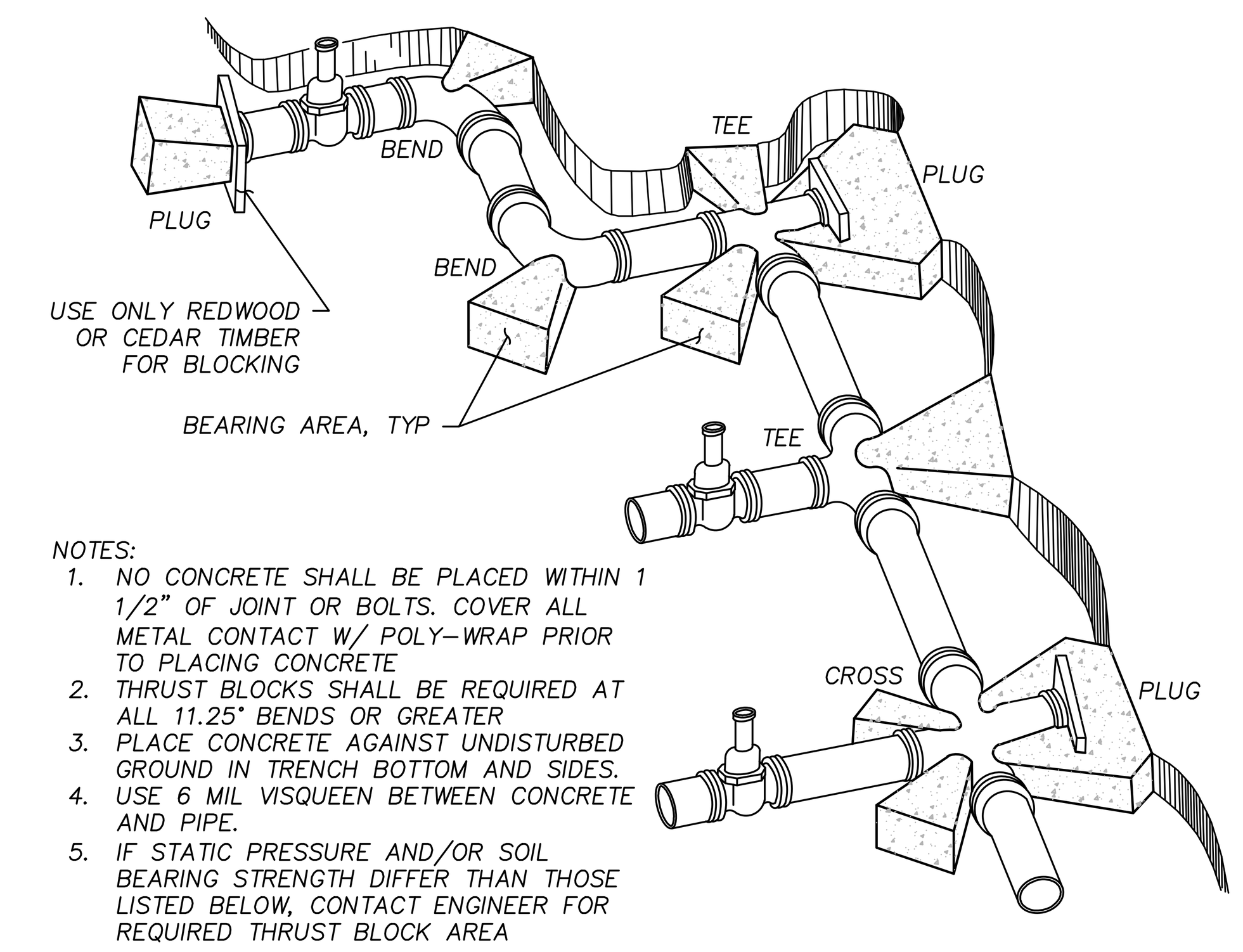
Grease Interceptor
4'-0" x 8'-0" x 8'-0" I.D.
1500 Gallon Capacity

NPCA

1 OLDCASTLE 1500 GALLON GREASE INTERCEPTOR
SCALE: NTS



2 SEWER CLEANOUT
SCALE: NTS

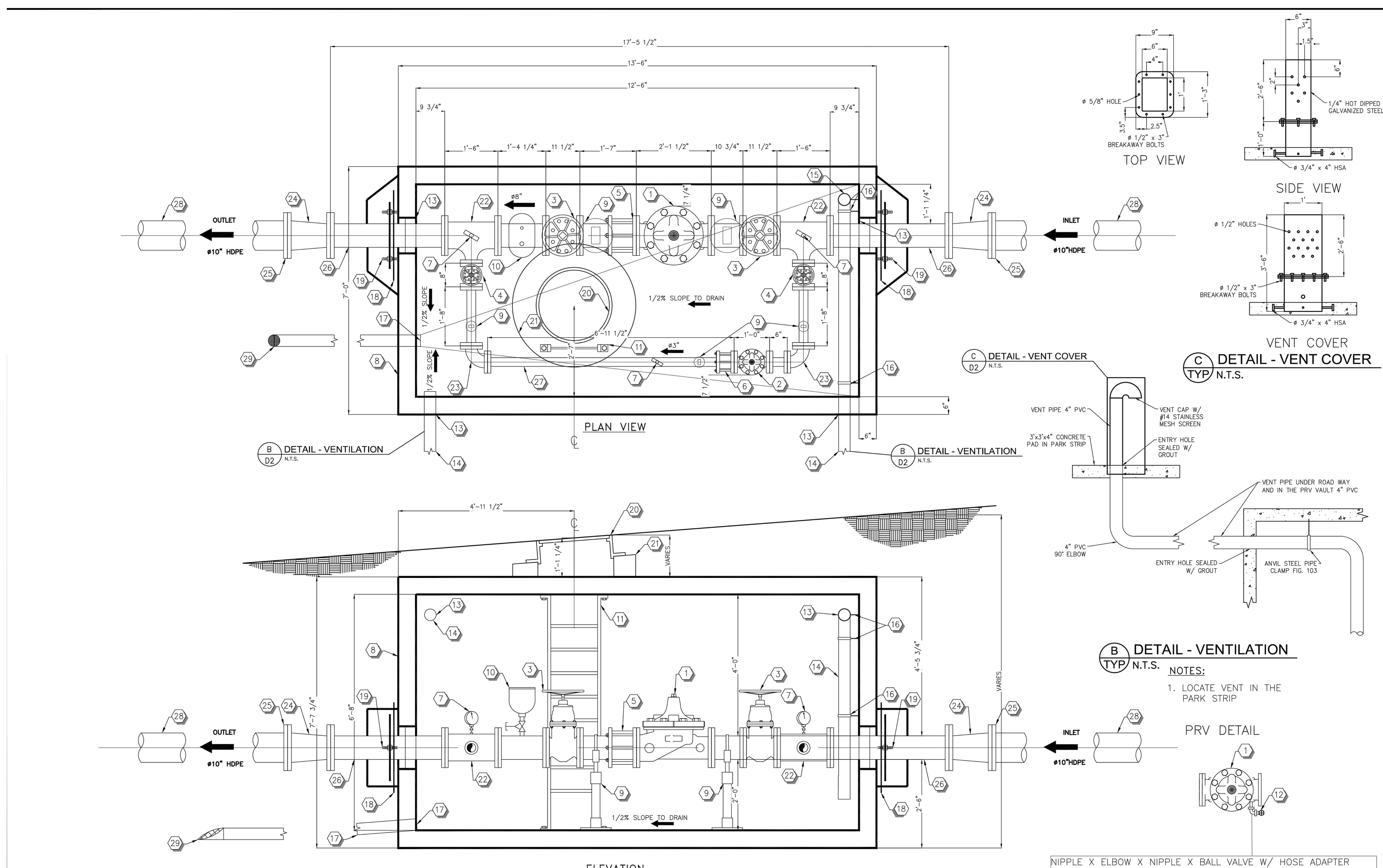


NOTES:
1. NO CONCRETE SHALL BE PLACED WITHIN 1 1/2" OF JOINT OR BOLTS. COVER ALL METAL CONTACT W/ POLY-WRAP PRIOR TO PLACING CONCRETE
2. THRUST BLOCKS SHALL BE REQUIRED AT ALL 11.25° BENDS OR GREATER
3. PLACE CONCRETE AGAINST UNDISTURBED GROUND IN TRENCH BOTTOM AND SIDES.
4. USE 6 MIL VISQUEEN BETWEEN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

THRUST BLOCK DESIGN INFO		
STATIC PRESSURE (PSI)	SOIL BEARING STRENGTH (PSF)	SAFETY FACTOR
150	2000	1.50

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

3 THRUST BLOCK DETAIL
SCALE: NTS



NIPPLE X ELBOW X NIPPLE X BALL VALVE W/ HOSE ADAPTER AND CAP INSTALLED IN FACTORY THREADED TAP ON DOWNSTREAM SIDE OF VALVE ON THE LADDER SIDE OF VALVE. IF THREADED TAP IS NOT FACTORY CAST, PROVIDE A HOSE BIB BETWEEN PRV AND GATE VALVE. DO NOT INSTALL ON GAGE TAP.

NOTES:
1. VAULT #10565 (H-20 LOADING)
   INSIDE DIMENSIONS
   12 1/2' L x 6' W x 6'-8" H
   OUTSIDE DIMENSIONS
   13 1/2' L x 7' W x 7'-8" H
2. THE FLOOR OF THE VAULT SHALL BE SLOPED TO THE DRAIN.
3. DAYLIGHT DRAIN IN PARK STRIP

STANDARD FABRICATION & FINISHING SPECIFICATION
- FINISH COATING FOR ALL DUCTILE IRON PIPES AND FITTINGS WILL BE BLUE ENAMEL PAINT
- DO NOT PAINT NUTS AND BOLTS, CONTRACTOR SHALL MASK OFF ALL BOLTS AND NUTS WITH TAPE

MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	8" CLA-VAL 90-01 YBCSVPKC 150# FLANGED, GLOBE S.R. 30-300 W/X101 VALVE POSITION-INDICATOR
2	1	3" CLA-VAL 90-01 ASVPKC 150# FLANGED, GLOBE S.R. 30-300 W/ X101 VALVE POSITION-INDICATOR
3	2	8" RW NRS GATE VALVE C/W HANDWHEEL 125# FLGD
4	2	3" RW NRS GATE VALVE C/W HANDWHEEL THREADED
5	1	8" FLANGED COUPLING ADAPTER
6	1	3" DRESSER COUPLING
7	3	2" (0-150psi) PRESSURE GAUGE C/W GAUGE COCK & TRANSDUCER
8	1	PRECAST CONCRETE VAULT, FOUNDATION WATER SEALANT, CORED HOLES
9	5	ANVIL ADJUSTABLE PIPE SADDLE SUPPORTS WITH U BOLT FIG. 265 & FIG 63-T
10	1	1" COMBINATION AIR VALVE
11	1	GALVANIZED LADDER BOLTED TO ROOF AND FLOOR (350 LB RATING)
12	1	3/4" HOSE BIB ASSEMBLY (SEE PRV DETAIL)
13	4	GROUT SEAL AROUND PIPE
14	2	4" PVC VENT PIPE
15	1	INSTALL 90° 4" PVC ELBOW
16	4	INSTALL ANVIL STEEL PIPE CLAMP FIG. 103
17	1	2" DRAIN W/#4 SCREEN (DAYLIGHTED)
18	2	18"x18" STEEL PLATE, 1/4" THICK
19	4	MEGALUG
20	1	D&L A 1180 MANHOLE RING, ADAPTOR & COVER
21	1	FIELD FIT CONCRETE CURB WALL OR APPROVED EQUIVALENT TO MATCH EXISTING GRADE
22	2	DUCTILE IRON 8"X8"X3" TEE
23	2	DUCTILE IRON 3"X3" 90° ELBOW
24	2	DUCTILE IRON FLGxFLG 8"X10" REDUCER
25	2	10" HDPE FLG ADAPTER W/BACKUP RINGS
26		8" DUCTILE IRON PIPE
27		3" DUCTILE IRON PIPE
28		10" HDPE PIPE DR 17
29		MITERED DRAIN MODEL # 4MD3P-B

NOTE:

SIZES NOTES ARE AN EXAMPLE. SIZES SUBJECT TO INLET AND OUTLET SIZE. USE LIST OF MATERIALS ABOVE AS A GUIDE TO INCLUDE EVERY ITEM REQUIRED FOR A PRV STATION.

4 HYDE PARK PRV DETAIL
SCALE: NTS

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795 NORTH 400 WEST SALT LAKE CITY UT 84103

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435.713.0099

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

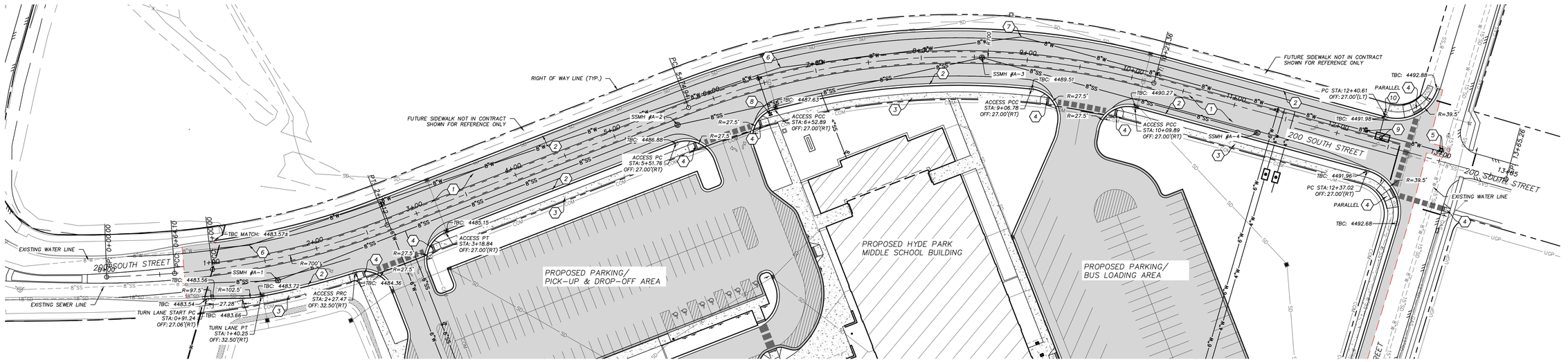
BID PACKAGE #1

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER LANCE ANDERSON STATE OF UTAH

CIVIL UTILITY DETAILS

C-503



GENERAL NOTES

1. ALL UTILITY LINES TO BE INSTALLED PER HYDE PARK CITY STANDARDS.
2. PLACE THRUST BLOCKS PER HYDE PARK CITY STANDARDS.
3. WATER MAIN TO HAVE A MINIMUM COVER OF 5 FEET. FIRE HYDRANTS TO BE 6.5-FT BURY MINIMUM.
4. PROVIDE TRACER WIRE ON ALL MAINS AND SERVICES PER HYDE PARK CITY STANDARDS
5. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
6. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
7. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

CONTRACTOR TO PROVIDE SEPARATE COST ESTIMATE FOR CONSTRUCTION OF 200 SOUTH STREET NORTH OF CENTER LINE AND SEPARATE COST ESTIMATE FOR PRV INSTALLATION.

CONSTRUCTION NOTES

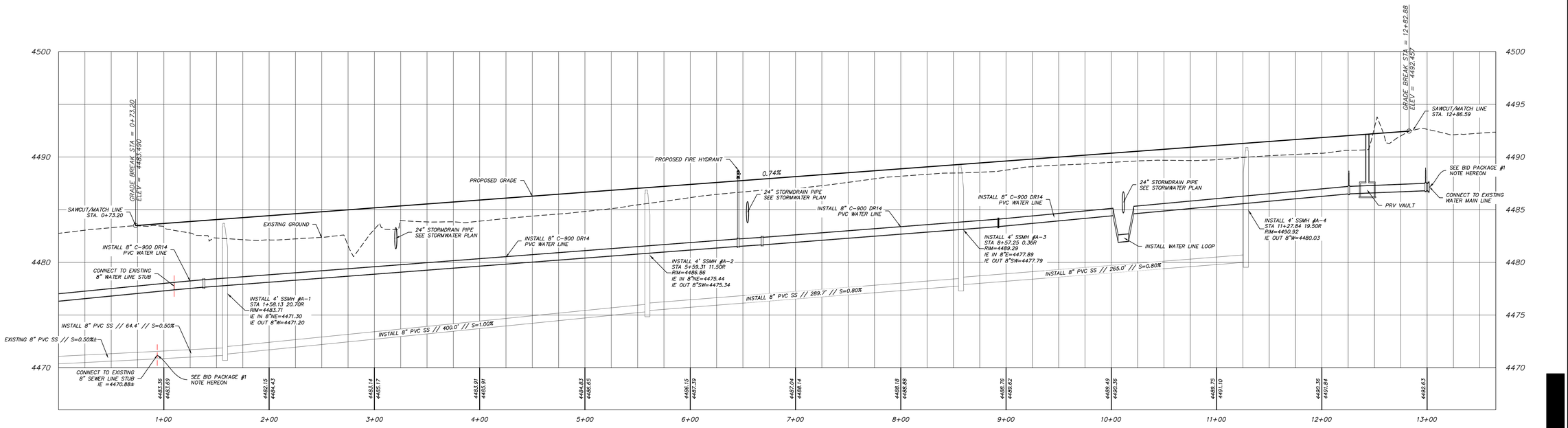
1. CONSTRUCT ASPHALT SECTION. SEE ROADWAY SECTION HEREON.
2. CONSTRUCT 30" ROADWAY CURB & GUTTER. SEE SHEET C-501/DETAIL 4.
3. CONSTRUCT CONCRETE SIDEWALK SECTION. SEE ROADWAY SECTION HEREON.
4. CONSTRUCT ADA RAMP. SEE SHEET C-501.
5. INSTALL 8"X8" HOT TAPPING TEE. INSTALL 8" GATE VALVE ON WATER LINE.
6. INSTALL 11.25° ELBOW.
7. INSTALL 22.5° ELBOW.
8. INSTALL FIRE HYDRANT. SEE UTILITY PLAN.
9. INSTALL PRESSURE REDUCING VALVE AND VAULT. SEE SHEET C-503/DETAIL 4. INSTALL 8" GATE VALVE WITHIN 20' OF WEST SIDE OF VAULT.
10. INSTALL VENT FOR PRV VAULT. SEE SHEET C-503/DETAIL 4.

BID PACKAGE #1 NOTE:
PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS INCLUDING, BUT NOT LIMITED TO, VERIFYING EXISTING WATER LINE AND SEWER LINE STUB ELEVATIONS AT EXISTING END OF 200 SOUTH STREET AND AT INTERSECTION OF 200 WEST AND 200 SOUTH. NOTIFY ENGINEER OF EXISTING SEWER LINE ELEVATIONS.

200 SOUTH STREET PLAN VIEW

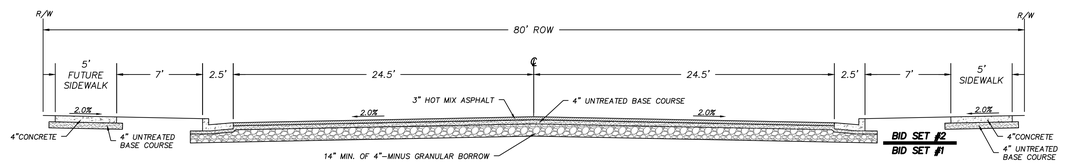
SCALE: 1"=40'

GRAPHIC SCALE 1" = 40'



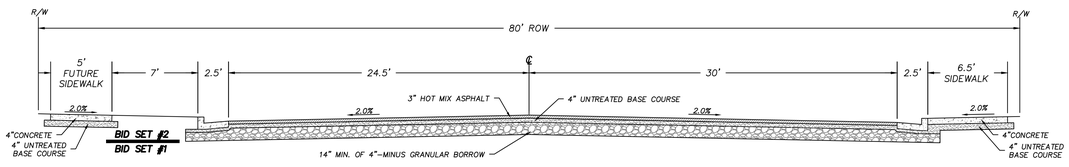
ROADWAY PROFILE VIEW

SCALE: H: 1"=40' V: 1"=4'



80' ROW ROADWAY SECTION-TYPICAL

SCALE: NTS



ROADWAY SECTION STA. 1+40.25 TO 2+27.47

SCALE: NTS

BID PACKAGE #1

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Logan, UT 84321
435.713.0099

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

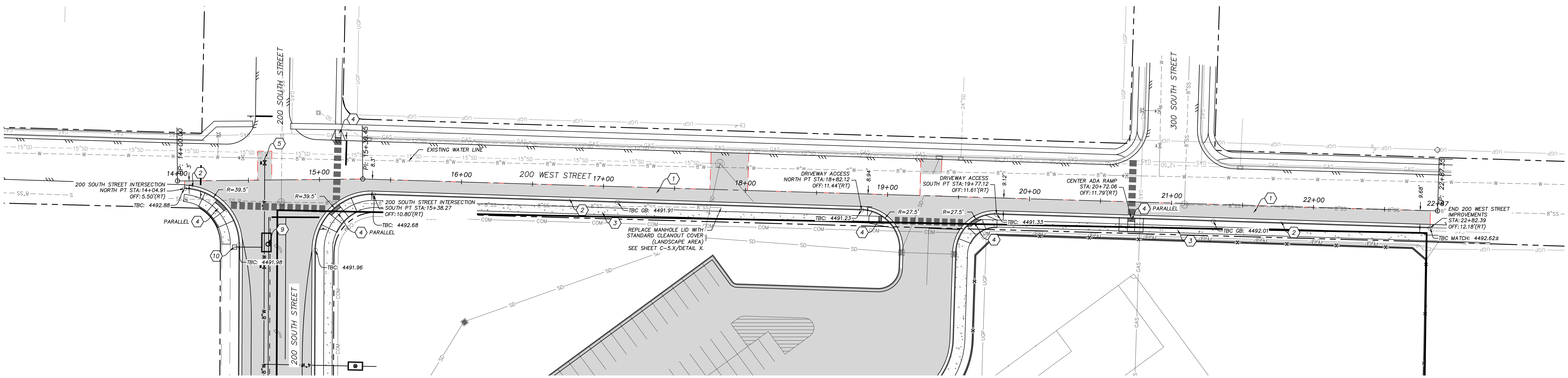
PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

PROFESSIONAL ENGINEER
LANCE ANDERSON
STATE OF UTAH

CIVIL- ROADWAY PLAN & PROFILE 200 SOUTH

C-601

7/3/2013 3:28:08 PM



GENERAL NOTES

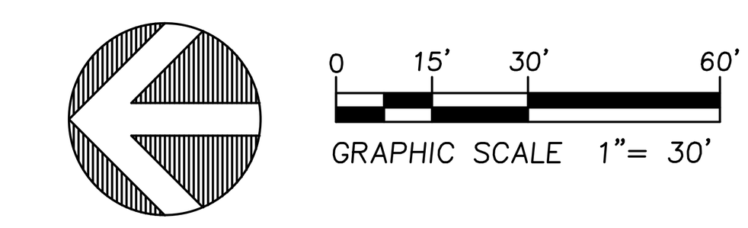
1. ALL UTILITY LINES TO BE INSTALLED PER HYDE PARK CITY STANDARDS.
2. PLACE THRUST BLOCKS PER HYDE PARK CITY STANDARDS.
3. WATER MAIN TO HAVE A MINIMUM COVER OF 5 FEET. FIRE HYDRANTS TO BE 6.5-FT BURY MINIMUM.
4. PROVIDE TRACER WIRE ON ALL MAINS AND SERVICES PER HYDE PARK CITY STANDARDS
5. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
6. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
7. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

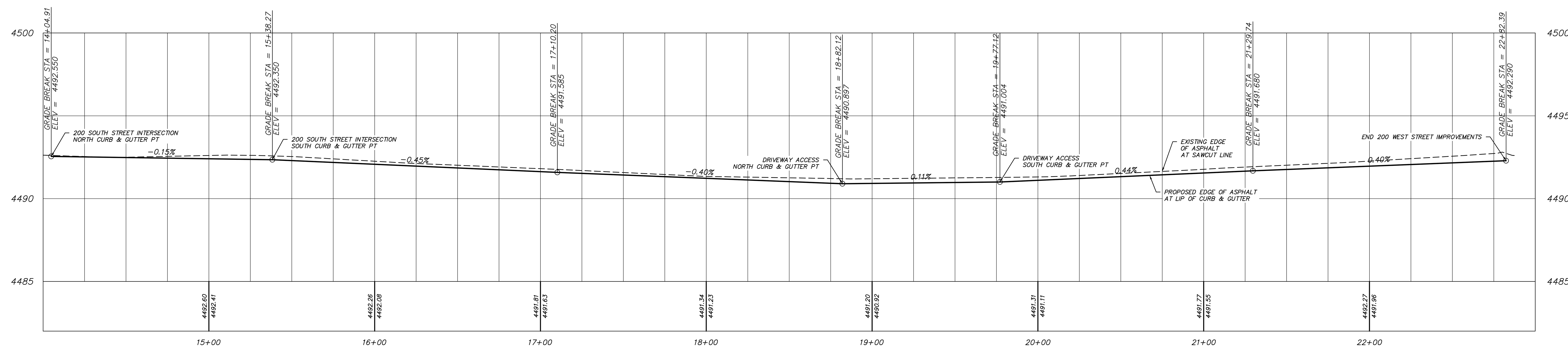
CONSTRUCTION NOTES

1. CONSTRUCT ASPHALT SECTION. SEE ROADWAY SECTION HEREON.
2. CONSTRUCT 30" ROADWAY CURB & GUTTER. SEE SHEET C-501/DETAIL 4.
3. CONSTRUCT CONCRETE SIDEWALK SECTION. SEE ROADWAY SECTION HEREON.
4. CONSTRUCT ADA RAMP. SEE SHEET C-501.
5. INSTALL 8"X8" HOT TAPPING TEE. INSTALL 8" GATE VALVE ON WATER LINE.
6. INSTALL 11.25° ELBOW.
7. INSTALL 22.5° ELBOW.
8. INSTALL FIRE HYDRANT. SEE UTILITY PLAN.
9. INSTALL PRESSURE REDUCING VALVE AND VAULT. SEE SHEET C-503/DETAIL 4. INSTALL 8" GATE VALVE WITHIN 20' OF WEST SIDE OF VAULT.
10. INSTALL VENT FOR PRV VAULT. SEE SHEET C-503/DETAIL 4.

200 WEST STREET PLAN VIEW

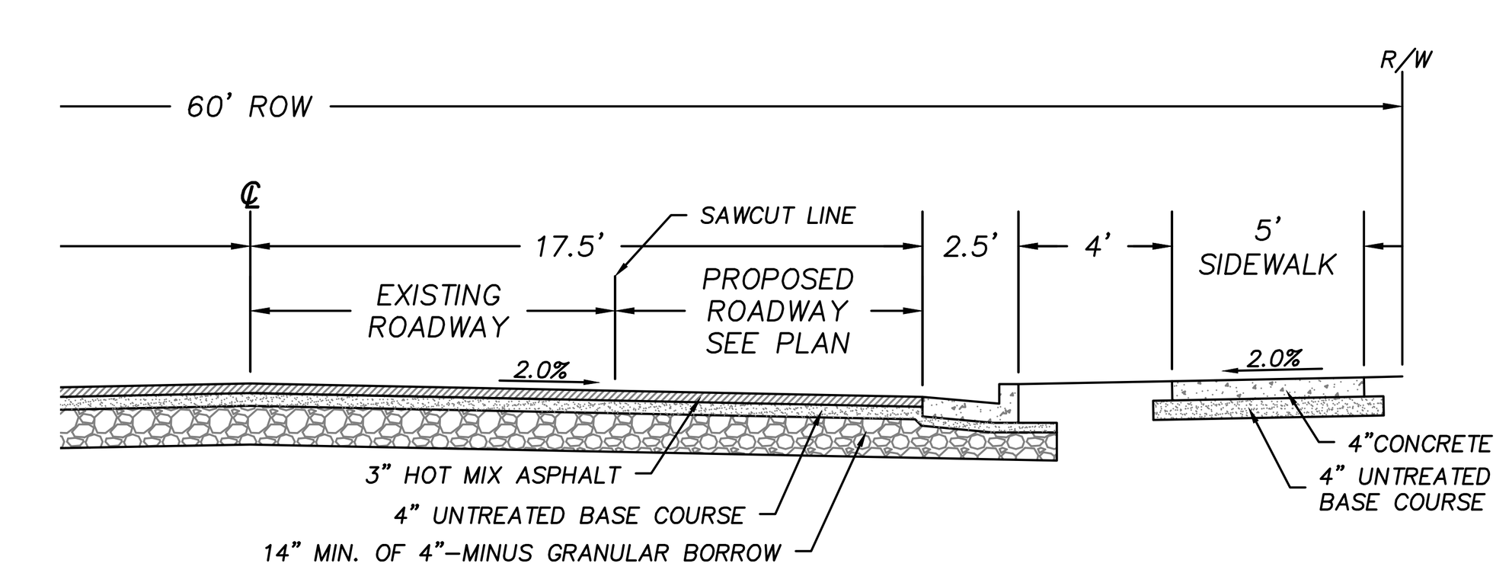
SCALE: 1"=30'





ROADWAY PROFILE VIEW

SCALE: H: 1"=30' V: 1"=3'



200 WEST ROADWAY SECTION

SCALE: NTS

FOR REFERENCE ONLY

BID PACKAGE #1

design west | architects
255 SOUTH 300 WEST SALT LAKE CITY UT 84103
795 NORTH 400 WEST LOGAN UT 84321

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95 Golf Course Rd. Suite 101 Logan, UT 84321 435.713.0099

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UT

CACHE COUNTY SCHOOL DISTRICT

MARK	DATE	DESCRIPTION

PROJECT #: 123005
DRAWN BY: J. JENSEN
CHECKED BY: L. ANDERSON
ISSUED: 03.14.2024

CIVIL- ROADWAY PLAN & PROFILE 200 WEST

C-602

STRUCTURAL NOTES :

A. GENERAL

1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).
3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
6. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
8. OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
10. TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS.
11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.
13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS, ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.12 AND 1705.13 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEETS S-012 AND S-013.
2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
3. ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

1. GOVERNING BUILDING CODE : INTERNATIONAL BUILDING CODE (IBC) 2021
   RISK CATEGORY : III
2. SUSPENDED FLOOR LOADS
   a. LIVE LOAD = 40 PSF AT CLASSROOMS, 80 PSF AT CORRIDORS (UNREDUCED)
   b. DEAD LOAD = 70 PSF
3. ROOF LOADS
   a. FLAT-ROOF SNOW LOAD, P_f : 33 PSF
      1. GROUND SNOW LOAD, P_g : 43 PSF
      2. SNOW EXPOSURE FACTOR, C_e : 1.0
      3. SNOW LOAD IMPORTANCE FACTOR, I_s : 1.1
      4. THERMAL FACTOR, C_t : 1.0
      5. SLOPE FACTOR, C_S : 1.0
      6. SNOW DRIFT : SHOWN ON PLANS WHERE APPLICABLE.
   b. LIVE LOAD = 20 PSF
   c. DEAD LOAD = 20 PSF
4. WIND DESIGN
   a. BASIC WIND SPEED (3 SECOND GUST) : 110 MPH
   b. WIND EXPOSURE : C
   c. INTERNAL PRESSURE COEFFICIENT, GC_{PI} : 0.18
   d. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
5. SEISMIC DESIGN :
   a. SEISMIC IMPORTANCE FACTOR, I_E : 1.25
   b. SITE CLASS : E
   c. MAPPED SPECTRAL RESPONSE ACCELERATIONS : S_S = 1.079 , S_1 = 0.363
   d. SPECTRAL RESPONSE COEFFICIENTS : S_{DS} = 0.863 , S_{D1} = 0.617
   e. SEISMIC DESIGN CATEGORY : D
   f. BASIC SEISMIC-FORCE-RESISTING SYSTEM : SPECIAL REINFORCED CONCRETE/MASONRY SHEARWALLS
   g. SEISMIC RESPONSE COEFFICIENT, C_S : .216
   h. RESPONSE MODIFICATION FACTOR, R : 5
   i. ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE

D. FOUNDATION

1. GENERAL
   a. DESIGN SOIL PRESSURE : 3000 PSF
   b. SOILS REPORTS BY : A CACHE CORP
      REPORT # : 1220008 (HYDE PARK SITE) DATED NOVEMBER 12, 2022
      REPORT #: 1230024 (NIBLEY SITE) DATED DECEMBER 11, 2023
   c. SOIL PREPARATION UNDER FOUNDATIONS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE SOILS REPORT.
   d. TOP OF FOOTING ELEVATIONS SHOWN ON THE FOOTING AND FOUNDATION PLAN ARE BASED ON PRELIMINARY GRADING INFORMATION AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. STEPS WHERE SHOWN ARE AT APPROXIMATE LOCATIONS. ACTUAL STEP LOCATIONS SHALL BE AT THE CONTRACTOR'S DISCRETION BASED UPON FIELD CONDITIONS. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 30" INCHES BELOW LOWEST ADJACENT FINAL GRADE.
   e. ALL WALLS (EXCEPT CANTILEVERED RETAINING WALLS) SHALL BE ADEQUATELY BRACED AGAINST LATERAL MOVEMENT PRIOR TO BACKFILLING. DESIGN AND ERECTION OF BRACING/SHORING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. BRACING SHALL REMAIN IN PLACE UNTIL SUPPORTING STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE ATTAINED FULL STRENGTH.
   f. UNLESS NOTED OTHERWISE, ALL FOOTINGS AT COLUMNS SHALL BE CENTERED BELOW COLUMNS.
   g. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL HAVE VERTICAL FACES FORMED WITH STANDARD FORMING MATERIALS (WOOD, METAL, ETC.). WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER, CONCRETE FOR FOOTINGS CAN BE PLACED IN EXCAVATED SOIL "FORMS" PROVIDED THAT THE DIMENSIONS ARE INCREASED 3" ON ALL SIDE.

E. CONCRETE

1. ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS LISTED BELOW :
   a. FOOTINGS, GRADE BEAMS, FOUNDATION WALLS :
      1. WHERE THE TOP OF THE ELEMENT IS EXPOSED OR IS LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F2) :
         a. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
         b. MAXIMUM W/C RATIO : 0.45
         c. MAXIMUM AGGREGATE SIZE : 1"
         d. AIR CONTENT : SEE SCHEDULE BELOW
      2. WHERE THE TOP OF THE ELEMENT IS NOT EXPOSED OR IS NOT LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F0) :
         a. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   b. INTERIOR SLABS ON GRADE (EXPOSURE CATEGORY F0) :
      1. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   c. INTERIOR SUSPENDED SLABS (EXPOSURE CATEGORY F0) :
      1. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   d. ICF WALLS:
      1. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
   e. TOTAL AIR CONTENT FOR CONCRETE EXPOSED TO CYCLES OF FREEZING AND THAWING SHALL BE DETERMINED IN ACCORDANCE WITH THIS SCHEDULE. TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE +/- 1.5 PERCENT.

NOMINAL MAXIMUM AGGREGATE SIZE, IN.	TARGET AIR CONTENT, PERCENT F1	F2 AND F3
3/8	6	7.5
1/2	5.5	7
3/4	5	6
1	4.5	6
1-1/2	4.5	5.5
2	4	5
3	3.5	4.5

2. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
3. NO CONDUIT, PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THRU STRUCTURAL CONCRETE ELEMENTS MUST BE APPROVED BY THE ENGINEER AND SHALL BE BUILT INTO THE ELEMENT PRIOR TO CONCRETE PLACEMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC.
5. UNLESS NOTED OTHERWISE, MINIMUM REINFORCING IN ALL CONCRETE FOUNDATION WALLS SHALL BE AS FOLLOWS:

THICKNESS	TOP & BOTTOM BARS	VERTICAL	HORIZONTAL
8"	(2) #5	#4 AT 18"O.C.	#4 AT 12"O.C.
14"	(2) #5	#4 AT 18"O.C. EACH FACE	#4 AT 12"O.C. EACH FACE

   UNLESS NOTED OTHERWISE, CONCRETE SLABS ON EARTH SHALL BE UNREINFORCED AS FOLLOWS: WHERE REINFORCING IS PROVIDED REINFORCING SHALL BE CONTINUOUSLY SUPPORTED AT 36"O.C. MAXIMUM SPACING.
6. UNLESS NOTED OTHERWISE, FOR NON-DETAILED OPENINGS IN CONCRETE WALLS LARGER THAN 12" AND SMALLER THAN 24" IN ANY DIRECTION ADD (2) #5 BARS ON ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEND 24" EACH WAY BEYOND OPENING. IF 24" IS NOT AVAILABLE ON EVERY SIDE, NOTIFY STRUCTURAL ENGINEER FOR FURTHER DIRECTION. OPENINGS SHALL HAVE A MINIMUM OF 12" OF CONCRETE ABOVE THE OPENING, TYP.
7. CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE MADE AND LOCATED SO AS TO NOT IMPAIR THE STRENGTH OF THE STRUCTURE AND AS APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE 2 X 4 (SHAPED) KEYWAY IN ALL VERTICAL AND HORIZONTAL JOINTS UNLESS NOTED OR DETAILED OTHERWISE. ALL STEEL REINFORCING SHALL BE CONTINUOUS THROUGH COLD JOINTS UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS FOR COLD/CONSTRUCTION JOINTS FOR SLABS ON GRADE.
8. WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE JOINT SHALL BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE PREWETTED AND STANDING WATER REMOVED.

F. ANCHOR BOLTS/EMBEDDED BOLTS

1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING :
   a. AT ALL ANCHOR BOLTS (UNLESS NOTED OTHERWISE) - ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
2. EMBEDDED BOLTS IN MASONRY SHALL BE (UNLESS NOTED OTHERWISE) ASTM A-307 GRADE HEADED BOLTS.
3. SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
4. FURNISH TEMPLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO PLACING CONCRETE AND/OR GROUT.
5. IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT.
6. WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER.

G. ADHESIVE/MECHANICAL ANCHORS

1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
5. INSTALLERS SHALL BE, AT A MINIMUM, TRAINED FOR THE SPECIFIC APPLICATION INSTALLATION TECHNIQUE FOR THE SPECIFIC PRODUCT BY THE PRODUCT MANUFACTURERS FIELD EMPLOYEE OR SHALL POSSESS A TRAINING CARD OBTAINED BY THE MANUFACTURERS ONLINE TRAINING PROGRAM.
6. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
7. ADHESIVE ANCHORS SHALL CONSIST OF REINFORCING BAR OR THREADED RODS AS INDICATED IN THESE DOCUMENTS.
8. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 14 DAYS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN DAMP, WATER-SATURATED, OR WATER-FILLED HOLES.
9. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE.
10. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT IN ACCORDANCE WITH ACI 318-19 26.7.2 (e) PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
11. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-V3 (ESR-4868).
    b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-263).
    c. DEWALT PURE 110+ (ESR-3298), OR AC200+ GOLD (ESR-4027-COLD WEATHER).
12. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. HILTI HIT-HY 270 (ESR-4143).
    b. SIMPSON SET-XP (ER-265), OR AT-XP (ER-281).
    c. DEWALT AC100+ GOLD (ESR-3200).
13. UNLESS NOTED OTHER WISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4266).
    b. SIMPSON STRONG-BOLT 2 (ESR-3037).
14. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4561).
    b. SIMPSON STRONG BOLT 2 (ER-240).
    c. DEWALT SCREWBOLT+ (ESR-4042).
15. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
    a. SIMPSON TITEN HD (ESR-2713).
    b. DEWALT SCREWBOLT+ (ESR-3889).
    c. HILTI KH-EZ (ESR-3027).
16. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. SIMPSON TITEN HD (ESR-1056).
    b. DEWALT SCREWBOLT+ (ESR-1678).
    c. HILTI KH EZ (ESR-3056).
17. ALL MASONRY CELLS WITHIN 8" OF THE ANCHOR SHALL BE SOLID GROUTED.
18. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
19. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 2 INCHES, WHICH EVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT OR AN APPROVED ANCHORING ADHESIVE. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
20. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

H. SUSPENDED CONCRETE SLABS / SLABS ON METAL DECK

1. UNLESS NOTED OTHERWISE, ALL CONCRETE SLABS ON METAL DECK SHALL BE 5 1/2" TOTAL THICKNESS NORMAL WEIGHT CONCRETE WITH A WEIGHT LESS THAN 145 POUNDS PER CUBIC FOOT, REINFORCED WITH 6 X 6 - W1.4 X W1.4 WELDED WIRE FABRIC. REINFORCING STEEL SHALL BE CHAIRED TO 1" TOP COVER AT ALL BEAM LOCATIONS. EXCEPT WHERE SPECIFICALLY DETAILED, FIBER MESH MAY BE USED IN PLACE OF REINFORCEMENT IN SLABS ON DECK WHEN USED IN ACCORDANCE WITH AN APPROVED ICC RESEARCH REPORT AND WHERE APPROVED BY THE ENGINEER. WHERE THE SLAB CONSTRUCTION IS USED TO OBTAIN A UL FIRE RATING, THE PROPOSED FIBER MESH SHALL HAVE UL ACCEPTANCE AS AN APPROVED ALTERNATIVE TO WELDED WIRE FABRIC.
2. AROUND OPENINGS IN SUSPENDED CONCRETE SLABS, ADD REINFORCING BARS EQUIVALENT TO BARS CUT BY OPENING WITH HALF ON EACH SIDE OF OPENING. BARS PARALLEL TO PRINCIPAL REINFORCING SHALL RUN FULL LENGTH OF SPAN. BARS PARALLEL TO TEMPERATURE REINFORCING SHALL RUN 24" BEYOND OPENING.
3. SLAB PENETRATIONS LESS THAN 6" IN ALL DIRECTIONS WITH A CLEAR SPACING OF AT LEAST 3 TIMES THE LONGEST DIMENSION, DO NOT REQUIRE SUPPLEMENTAL REINFORCING. OTHERWISE, THE PENETRATIONS SHALL BE FRAMED ON 4 SIDES WITH STEEL ANGLES OR BENT PLATES (SEE TYPICAL DETAIL) UNLESS NOTED OTHERWISE.
4. EVERY EFFORT SHALL BE MADE TO PROVIDE A LEVEL FINISHED FLOOR WHILE MAINTAINING THE MINIMUM INDICATED SLAB THICKNESS.
5. CONTROL JOINTS IN SUSPENDED CONCRETE SLABS AND CONCRETE SLABS ON DECK SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED AND DETAILED BY THE ENGINEER.
6. SEE TYPICAL DETAILS WHEN SLABS ARE MADE COMPOSITE WITH STEEL BEAMS.
7. NO CONDIUT IS ALLOWED IN CONCRETE SLABS ON METAL DECK.
8. WHERE CONDUIT IS CLUSTERED TOGETHER TO RISE ABOVE SLAB OR PENETRATE SLAB, PENETRATION IN SLAB MUST BE SUPPORTED AS NOTED IN NOTE H.3 ABOVE.
9. CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, BRACING, AND GUYING AS REQUIRED DURING ERECTION AND PLACEMENT OF SUSPENDED CONCRETE SLABS ON METAL DECK.
10. IN ALL SLABS NOT COVERED BY CARPET INSTALL #4 REINFORCING STEEL @ 12"O.C. EACH WAY.

I. REINFORCING STEEL

1. REINFORCING BAR STRENGTH REQUIREMENTS:
   a. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-1064 AND SHALL BE SUPPLIED IN FLAT SHEETS. ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
2. HEADED SHEAR STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044.
3. STEEL DISCONTINUOUS FIBER REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A820 AND SHALL HAVE A LENGTH TO DIAMETER RATIO NOT SMALLER THAN 50 AND NOT GREATER THAN 100.
4. HEADED DEFORMED BARS SHALL CONFORM TO ASTM A970. OBSTRUCTIONS OR INTERRUPTIONS OF THE BAR DEFORMATIONS, IF ANY, SHALL NOT EXTEND MORE THAN 2 BAR DIAMETERS FROM THE BEARING FACE OF THE HEAD.
5. ALL REINFORCING STEEL SHALL BE TIED IN PLACE AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET STABBING OF ANY REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY DETAILED OTHERWISE OR APPROVED BY THE ENGINEER.
6. ALL FIELD BENT DOWELS SHALL BE GRADE 40 WITH SPACING INDICATED REDUCED BY 1/3.
7. UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE :
   a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ….. 3"
   b. EXPOSED TO EARTH OR WEATHER :
      1. #6 & LARGER ….. 2"
      2. #5 & SMALLER …..1-1/2"
   c. NOT EXPOSED TO WEATHER OR EARTH :
      1. SLABS, WALLS, JOISTS, #11 & SMALLER ….. 3/4"
      2. BEAMS, COLUMNS: MAIN REINFORCING OR TIES ….. 1-1/2"
   d. SLAB ON GRADE :
      1. PLACE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.
8. EXCEPT WHERE NOTED ON PLANS OR DETAILS CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING PER THE REBAR LAP SCHEDULE.
9. REINFORCING STEEL MAY BE SPLICED WITH MECHANICAL COUPLERS THAT HAVE A TENSION CAPACITY OF AT LEAST 125% OF THE STRENGTH OF THE BAR. MECHANICAL COUPLERS SHALL BE A POSITIVE CONNECTING TYPE COUPLER, AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED ICC RESEARCH REPORT. WHERE THESE ARE USED, SPLICES ON ADJACENT BARS SHALL BE STAGGERED AT LEAST 24 INCHES ALONG THE LENGTH OF THE BARS.
10. ALL VERTICAL REINFORCING IN STRUCTURAL ELEMENTS ABOVE SHALL BE SPLICED WITH MATCHING DOWELS EMBEDDED WITHIN THE FOOTINGS OR STRUCTURE BELOW. SPLICE LENGTHS SHALL COMPLY WITH REBAR LAP SCHEDULE. DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK, AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NEED NOT EXTEND MORE THAN 20" INTO FOOTING. FOR MASONRY CONSTRUCTION SEE STRUCTURAL NOTE L.6.A.
11. DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS, WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING.
12. REINFORCING BARS, TIES, AND TENDONS SHALL BE SUPPORTED BY NYLON CONES, PLASTIC-COATED TIE-WIRES, OR PLASTIC-COATED CHAIRS. REINFORCING IN FOOTINGS IS PERMITTED TO BE SUPPORTED ON CONCRETE DOBIES.
13. UNLESS NOTED OTHERWISE, HOOKS, STIRRUPS, TIES, AND OTHER BENDS IN REINFORCING STEEL SHALL MEET THE STANDARDS SET FORTH IN ACI 318/318R-19. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN ON THESE DRAWINGS OR OTHERWISE PERMITTED BY THE ENGINEER.
14. UNLESS SPECIFICALLY NOTED AND/OR DETAILED IN THE STRUCTURAL DRAWINGS CONDUIT SHALL NOT BE IN CONTACT WITH REINFORCING STEEL.

(STRUCTURAL NOTES CONTINUED ON SHEET S-002)

LEGEND OF SYMBOLS AND ABBREVIATIONS

AB	=	ANCHOR BOLT
ABV	=	ABOVE
ARCH	=	ARCHITECT
BLW	=	BELOW
BN	=	BOUNDARY NAILING
BS	=	BOUNDARY SCREW
BRB	=	BUCKLING RESTRAINED BRACE
BRBF	=	BUCKLING RESTRAINED BRACE FRAME
CJP	=	COMPLETE JOINT PENETRATION
CL	=	CENTERLINE
CMU	=	CONCRETE MASONRY UNIT
COL	=	COLUMN
CONC	=	CONCRETE
CP	=	CONCRETE PIER
DC	=	DEMAND CRITICAL
DIA / Ø	=	DIAMETER
DBA	=	DEFORMED BAR ANCHOR
DBE	=	DECK BEARING ELEVATION
ELEV	=	ELEVATION
EN	=	EDGE NAILING
EOD	=	EDGE OF DECK
FDN	=	FOUNDATION
FTG	=	FOOTING
FFE	=	FINISHED FLOOR ELEVATION
GB	=	CONCRETE GRADE BEAM
HSA	=	HEADED STUD ANCHOR
JBE	=	JOIST BEARING ELEVATION
KB	=	KICKER BRACE
MAX	=	MAXIMUM
MB	=	MASONRY BEAM
MC	=	MASONRY COLUMN
MECH	=	MECHANICAL
MEZZ	=	MEZZANINE
MIN	=	MINIMUM
MJ	=	MASONRY JAMB
MW	=	MASONRY WALL
NS, FS	=	NEAR SIDE, FAR SIDE
OAE	=	OR APPROVED EQUAL
OPP	=	OPPOSITE
PAF	=	POWDER ACTUATED FASTENER
PL	=	PLATE
REINF	=	REINFORCING
REQ'D	=	REQUIRED
SIM	=	SIMILAR
SSH	=	STEEL STUD HEADER
SSJ	=	STEEL STUD JAMB
SSS	=	STEEL STUD SILL
SSW	=	STEEL STUD WALL
TOB	=	TOP OF BEAM ELEVATION
TOC	=	TOP OF CONCRETE SLAB
TOF	=	TOP OF FOOTING
TOG	=	TOP OF GIRDER ELEVATION
TOM	=	TOP OF MASONRY
TOS	=	TOP OF STEEL ELEVATION
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE

FOOTING MARK
TOP OF FOOTING ELEVATION
SECTION MARK
SHEET NUMBER
TOP OF FOUNDATION WALL OR COLUMN PIER ELEVATION
SHEAR WALL - SEE SCHEDULE
MIN. LENGTH OF SHEAR WALL
S——S FOOTING STEP
MASONRY WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT MASONRY FOUNDATION WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT CONCRETE FOUNDATION WALL
MASONRY BEAM
CONCRETE BEAM
HD POST "A"
HD - SIMPSON HOLDOWN SIZE
POST - SIZE OF END POST CONNECTED TO HOLDOWN
"A" - PLAN CONFIGURATION AT HOLDOWN AT FOUNDATION
ELEVATION
L — FRAMING ANGLE SEE TYPICAL DETAIL
C — FRAMING CHANNEL SEE TYPICAL DETAIL
(L) ITEMS, DETAILS, & SYSTEMS WHICH ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.
BRACED FRAME
MOMENT RESISTING CONNECTIONS - SEE DETAIL
MOMENT RESISTING CANTILEVER CONNECTIONS - SEE DETAIL
KB — KICKER BRACE

Structural Sheet Index

design west | architects
LOGAN UT 84321
SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

BID PACKAGE 1

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

STRUCTURAL NOTES
S-001

3/14/2024 10:43:47 AM

J. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING:
   a. ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", WITH "COMMENTARY" AND "SUPPLEMENTS" AS REQUIRED BY BUILDING CODE.
   b. AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, AND 4.4.2.
   c. AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
   d. AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS".
   e. AWS D1.1 AND 1.3, "STRUCTURAL WELDING CODE" (EXCEPT SPECIFIC ITEMS DO NOT APPLY IF THEY CONFLICT WITH AISC).
   f. ANSI/AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS".
   g. AWS D1.8, "STRUCTURAL WELDING CODE - SEISMIC".
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING:
   a. WIDE FLANGE SHAPES, CHANNELS, AND WT SHAPES - ASTM A992 (Fy = 50 ksi)
   b. OTHER SHAPES, PLATES, ANGLES, AND BARS - ASTM A572 (Fy = 50 ksi) (UNO)
   c. HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A500, GRADE C (Fy = 50 ksi)
   d. STAINLESS STEEL SHAPES, PLATES, AND FASTENERS – ASTM 304
   e. DEFORMED BAR ANCHORS (DBA) - ASTM A-496, WELDED IN ACCORDANCE WITH AWS D1.1
   f. HEADED STUD ANCHORS (HSA) - ASTM A-108, GRADE 1015 STEEL AND WELDED IN ACCORDANCE WITH AWS D1.1 FOR TYPE "B". USE 3/4" DIAMETER STUDS, UNLESS NOTED OTHERWISE.
   g. THREADED ROD - ASTM A-449.
   h. NON-SHRINK GROUT - ASTM C1107. NON-SHRINK GROUT SHALL BE PRE-PACKAGED, NON-METALLIC, WITH A 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI.
3. CONNECTIONS SHALL COMPLY WITH THE STRUCTURAL DRAWINGS UNLESS WRITTEN APPROVAL TO CHANGE IS GIVEN BY THE STRUCTURAL ENGINEER.
4. ALL SHOP FABRICATIONS SHALL BE PERFORMED BY AN APPROVED FABRICATOR IN ACCORDANCE WITH SECTIONS 1702 AND 1704 OF THE IBC OR WITH SHOP INSPECTION BY AN INDEPENDENT AGENCY IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBC.
5. WELDING
   a. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS IN ACCORDANCE WITH ANSI/AWS D1.1 (LATEST EDITION).
   b. USE E-70XX ELECTRODES UNLESS NOTED OTHERWISE. E-60XX MAY BE USED FOR WELDING STEEL DECKS.
   c. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS NOTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN, USE THE FOLLOWING:
      1. WHERE THE THICKNESS OF THE CONNECTED PARTS IS EQUAL TO OR THICKER THAN 1/4", WELD SIZE SHALL BE 1/16" LESS THAN THE THICKNESS OF THE THINNEST PART.
      2. WHERE ANY OF THE CONNECTED PARTS IS LESS THAN 1/4" THICK, WELD SIZE SHALL BE THE SAME AS THE THICKNESS OF THE THINNEST PART.
   d. WELDING OF HSA'S (HEADED STUD ANCHORS) AND DBA'S (DEFORMED BAR ANCHORS) SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS AND AWS D1.1 REINFORCING BARS SHALL NOT BE SUBSTITUTED FOR HSA'S OR DBA'S.
   e. WHEREVER POSSIBLE, WELDS SHALL BE SHOP WELDS. SPECIAL CONSIDERATIONS, SUCH AS ITEMS WHICH MAY NEED ADJUSTMENT AT THE SITE, REQUIRE THAT SOME WELDS BE FIELD WELDS. WHERE QUESTIONS OR DISCREPANCIES OCCUR THE CONTRACTOR SHALL COORDINATE THE WORK BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.
   f. SPECIAL PROVISIONS FOR SFRS (SEISMIC FORCE RESISTING SYSTEM):
      1. ALL WELDS DESIGNATED AS DEMAND CRITICAL WELDS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSES 6.1, 6.2, AND 6.3 OF AWS D1.8.
      2. ALL OTHER WELDS THAT ARE PART OF THE SFRS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSE 6.1 OF AWS D1.8.
      3. BUTT WELDS IN MEMBERS WITH DIFFERENT THICKNESSES, SUCH AS COLUMN SPLICES, SHALL BE TAPERED AND MADE IN SUCH A MANNER THAT THE TRANSITION DOES NOT EXCEED 1 IN 2-1/2 INCHES. THE TRANSITION SHALL BE ACCOMPLISHED BY CHAMFERING THE THICKER PART, TAPERING THE WIDER PART, SLOPING THE WELD METAL OR BY A COMBINATION OF THESE
6. BOLTING
   a. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH STRENGTH BOLTS CONFORMING TO ASTM F3125 GR. A325.
   b. UNLESS NOTED OTHERWISE, ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PLIES OF THE JOINT IN FIRM CONTACT.
   c. WHERE OVERSIZED OR SLOTTED HOLES OCCUR IN THE OUTER PLY, AN ASTM F436 WASHER OR 5/16" THICK COMMON PLATE WASHER SHALL BE USED AS REQUIRED TO COMPLETELY COVER THE HOLE.
   d. BOLTS SHALL BE CENTERED IN SLOTTED HOLES, UNLESS NOTED OTHERWISE.
   e. WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY OF THE BEAM FOR THE SPAN AND STEEL SPECIFIED.
7. METAL DECKING
   a. UNLESS NOTED OTHERWISE, METAL ROOF DECK SHALL BE 22 GAUGE TYPE B STEEL DECK. SEE ROOF DECK SCHEDULE FOR ATTACHMENTS.
   b. UNLESS NOTED OTHERWISE, METAL FLOOR DECK SHALL BE 20 GAUGE TYPE W3 COMPOSITE, UNVENTED STEEL DECK. UNLESS NOTED OTHERWISE, ATTACH TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER WELDS AT 6" MAXIMUM SPACING. ATTACH SIDE SEAMS WITH BUTTON PUNCH OR SIDE SEAM SCREWS AT 24" MAXIMUM SPACING. AN HSA FIELD-WELDED THROUGH THE DECK MAY SUBSTITUTE FOR A PUDDLE WELD.
   c. ALL DECK SHALL BE CONTINUOUS OVER 3-SPANS. WHERE NOT POSSIBLE, THE DECK SUPPLIER/CONTRACTOR SHALL PROVIDE HEAVIER GAUGE DECK AS NEEDED TO PROVIDE THE EQUIVALENT PERFORMANCE OF THE SPECIFIED DECK WITH 3-SPAN CONTINUITY.
   d. SEE TYPICAL DETAILS FOR SUPPORT OF DECK AT OPENINGS.
   e. PROVIDE L2"x2"x3/16" FOR DECK SUPPORT AT LOCATIONS WHERE COLUMNS EXTEND THROUGH DECK.
   f. PAINTED STEEL DECK SHALL CONFORM TO EITHER ASTM A1008 OR A1039, GRADE 50 STEEL AND GALVANIZED STEEL DECK SHALL CONFORM TO EITHER ASTM A653 OR A1063, GRADE 50 STEEL, WITH A ZINC COATING DESIGNATION OF G60.
   g. BUILDING ELEMENTS MAY BE SUPPORTED BY HANGING DIRECTLY FROM METAL DECKING, PROVIDED THAT THE TOTAL WEIGHT PER CONNECTION IS LESS THAN 50 LBS AND THAT THE ATTACHMENT TO THE DECKING IS DISTRIBUTED ACROSS AT LEAST TWO RIBS AND SPACED AT LEAST 6 FEET APART IN ANY DIRECTION.
8. ALL COLUMNS EMBEDDED IN OR LOCATED AT THE END OF MASONRY WALLS SHALL HAVE (2) 1/2" DIAMETER X 24" LONG DBA EXTENDING EACH WAY AT ALL WALL BOND BEAMS.
9. PROVIDE FULL DEPTH WEB STIFFENER PLATES AT EACH SIDE OF STEEL BEAMS AT ALL BEARING (EXCEPT SECONDARY FRAMING) POINTS. STIFFENER PLATES SHALL BE THICKNESS SHOWN UNLESS NOTED OTHERWISE AND SHALL BE WELDED BOTH SIDES WITH FILLET WELDS ALL AROUND.

FLANGE WIDTH	STIFFENER THICKNESS	WELD THICKNESS
< 8 1/4"	1/4"	3/16"
8 1/4" < BF < 12 1/2"	3/8"	1/4"
12 1/2" < BF < 18"	1/2"	5/16"

10. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED IN THE PROJECT SPECIFICATIONS.
11. WHEN DETERMINING THE FIRE RESISTANCE OF ASSEMBLIES, USE THE FOLLOWING: STEEL ROOF MEMBERS ARE CONSIDERED UN-RESTRAINED AND STEEL FLOOR FRAMING MEMBERS ARE CONSIDERED RESTRAINED.
12. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE ERECTED WITH THE NATURAL CROWN UP.
13. UNLESS OTHERWISE SHOWN OR DETAILED IN THE PLANS, ALL STEEL COLUMNS, BEAMS, BRACES, STRUTS, ETC. SHALL BE CONTINUOUS BETWEEN CONNECTIONS OR SUPPORTS. SPLICES IN MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.

K. OPEN WEB JOISTS AND GIRDERS

1. ALL OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS AND CODE OF STANDARD PRACTICE" OF THE STEEL JOIST INSTITUTE.
2. (######) DENOTES APPLIED TOTAL AND LIVE UNIFORMLY DISTRIBUTED LOADS IN POUNDS PER LINEAR FOOT OF JOIST, RESPECTIVELY.
3. SEE JOIST LOAD PROFILES FOR SPECIALLY LOADED JOISTS.
4. CONCENTRATED POINT LOADS, NOT SPECIFICALLY SHOWN ON THE PLANS, OF LESS THAN 100 POUNDS FOR MECHANICAL UNITS, FIRE SPRINKLER MAINS, AND OTHER EQUIPMENT SHALL BE ALLOWED WITHOUT REQUIRING ADDITIONAL WEB MEMBERS TO BE INSTALLED. WHERE THE LOAD EXCEEDS 100 POUNDS, THE LOAD SHALL BE SUPPORTED WITHIN 6" OF A CHORD PANEL POINT. SUPPORT BEYOND 6" FROM PANEL POINTS CAN BE PROVIDED BY ADDING (2) L2 x 2 x 1/4 DIAGONALS TO THE NEAREST OPPOSITE CHORD PANEL POINT PER THE TYPICAL DETAIL. CONNECTIONS SHALL BE MADE CONCENTRIC TO THE CHORD ANGLES. BEAM CLAMPS, OR SIMILAR ECCENTRIC ATTACHMENTS, ARE NOT ALLOWED, EXCEPT AS INDICATED BELOW. BEAM CLAMPS, OR SIMILAR ATTACHMENTS THAT ARE NOT CENTERED ON THE CHORD ANGLES MAY ONLY BE USED FOR LOADS LESS THAN ***10 POUNDS***. SEE JOIST SUBMITTAL FOR ADDITIONAL REQUIREMENTS. ALL LOADS PROVIDED FOR IN THIS NOTE SHALL BE ACCOUNTED FOR IN THE SPECIFIED DESIGN LOADS.
5. ANY BRACING REQUIRED FOR MISCELLANEOUS ITEMS (I.E. DUCTWORK, PIPING, ETC.) MUST CONNECT TO THE TOP CHORD OF THE JOIST OR GIRDER. BRACING TO THE BOTTOM CHORD IS NOT ALLOWED UNLESS SPECIFICALLY DETAILED THAT WAY ON THE PLANS.
6. PROVIDE SPECIAL BEARING ENDS AS REQUIRED AT SLOPED BEARING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH OTHER STRUCTURAL ELEMENTS.
7. ALL JOISTS SHALL BE CAMBERED PER SJI SPECIFICATIONS, UNLESS NOTED OTHERWISE.
8. FIELD MODIFICATIONS (INCLUDING HOLES IN THE CHORD OR WEB MEMBERS) SHALL NOT BE MADE TO ANY JOIST OR GIRDER WITHOUT PRIOR APPROVAL BY THE MANUFACTURER.
9. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED IN THE PROJECT SPECIFICATIONS.
10. JOIST BRIDGING SHALL BE PROVIDED AS REQUIRED BY THE JOIST MANUFACTURER AND SJI STANDARDS. BRIDGING WHERE SHOWN ON THE STRUCTURAL DRAWINGS IS A SCHEMATIC REPRESENTATION ONLY. SEE JOIST MANUFACTURER FOR BRIDGING SIZE, CONNECTIONS, TYPE AND QUANTITY.
11. WHERE ADDED LOADS ARE SHOWN ON THE JOISTS BUT NOT SPECIFICALLY DIMENSIONED, THE JOIST DESIGNER SHALL PLACE THOSE LOADS ON THE JOIST AT A LOCATION THAT RESULTS IN THE HIGHEST STRESS IN THE MEMBERS. THE DESIGNER MAY ASSUME THAT THE LOAD OCCURS WITHIN 10 FEET OF A SCALED DIMENSION.
12. FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL PER IBC 2207.5 STATING THAT WORK WAS PERFORMED IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND WITH SJI SPECIFICATIONS.
13. UNLESS NOTED OTHERWISE, ROOF JOISTS AND GIRDERS SHALL BE DESIGNED FOR A NET WIND UPLIFT OF ***10*** PSF.
14. ALL ROOF JOISTS BEARING ON EXTERIOR WALLS SHALL BE DESIGNED TO TRANSFER ***3.75*** KIPS (ULTIMATE) TOP CHORD AXIAL FORCE THROUGH THE BEARING SHOE.
15. ALL JOISTS AT GRID LINES SHALL BE DESIGNED TO RESIST A 10 KIP TOP CHORD AXIAL FORCE (ULTIMATE).
16. ALL STANDARD AND NON STANDARD SJI JOISTS SHALL BE DESIGNED FOR THE FOLLOWING DEFLECTION CRITERIA :
    a. LIVE LOAD : L/240 TOTAL LOAD : L/180
17. JOIST MANUFACTURER SHALL APPLY ADDITIONAL POINT OR LINE LOAD AS REQUIRED TO SUPPORT FIRE PROTECTION MAINLINES 4" DIAMETER OR GREATER. JOIST MANUFACTURER SHALL COORDINATE WITH GENERAL CONTRACTOR TO OBTAIN LOCATIONS AND WEIGHTS OF THESE LINES. SEISMIC BRACING LOADS FOR FIRE PROTECTION MAINLINES SHALL ALSO BE ACCOUNTED FOR IN THE JOIST MANUFACTURER'S DESIGN.

L. MASONRY

1. ALL HOLLOW MASONRY UNITS SHALL CONFORM TO ASTM C-90.
   f'm (MINIMUM, FACTORED) ***2,000*** PSI
   MINIMUM UNIT STRENGTH 2,000 PSI (TESTED IN ACCORDANCE WITH ASTM C-140)
   ACCEPTABLE RANGE OF UNIT WEIGHT : ***105 PCF TO 125 PCF***
2. ALL GROUT (SITE MIXED OR PRE-MIXED) SHALL CONFORM TO ASTM C-476 OR SECTION 2.2A OF TMS 602-16. GROUT SHALL BE PLACED WITH SUFFICIENT WATER FOR POURING WITHOUT SEGREGATION. DO NOT USE MORTAR FOR GROUT. MECHANICALLY VIBRATE ALL GROUT.
3. GROUT STOPS SHALL BE AN APPROVED PRODUCT DESIGNED AND MANUFACTURED FOR USE AS A GROUT STOP. GROUT STOP SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW. OTHER GROUT STOP MATERIALS SUCH AS ASPHALT IMPREGNATED MATERIALS ARE NOT PERMITTED.
4. MORTAR SHALL BE TYPE S AND SHALL CONFORM TO ASTM C 270.
5. ALL MASONRY WORK SHALL CONFORM TO CHAPTER 21 OF THE IBC.
6. UNLESS NOTED OTHERWISE, MINIMUM REINFORCING IN ALL 8" MASONRY WALLS SHALL BE AS FOLLOWS :
   a. VERTICAL : #5 BARS IN GROUTED CELLS ADJACENT TO ALL OPENINGS GREATER THAN 24 INCHES WIDE, ON EACH SIDE OF CONTROL JOINTS, AT ENDS OF WALL, AND AT A MAXIMUM SPACING OF 32" THROUGHOUT THE WALL. AT CORNERS, PROVIDE A MINIMUM OF (4) VERTICAL BARS AT "T" JOINTS AND (3) VERTICAL BARS AT "L" JOINTS. SEE THE TYPICAL DETAIL / SCHEDULE FOR MORE INFORMATION. ALL VERTICAL REINFORCEMENT SHALL BE DOWELED INTO THE FOUNDATION WALL UNLESS SPECIFICALLY DETAILED OTHERWISE.
   b. HORIZONTAL : (2) #4 BARS IN 8" DEEP "H" BLOCK BOND BEAM UNITS AT 48"O.C. AND AT FLOORS, ROOF, BELOW OPENINGS, AND TOP OF WALL. BOND BEAMS AT ROOF SHALL SLOPE TO MATCH SLOPING ROOF. SEE THE MASONRY REINFORCING SCHEDULE FOR MASONRY BEAMS ABOVE OPENINGS.
7. SEE THE MASONRY REINFORCING SCHEDULE FOR OPENINGS WHICH EXCEED 32 INCHES IN EITHER DIRECTION.
8. ALL BLOCK CELLS CONTAINING REINFORCING, BOLTS, OR ANCHORS SHALL BE GROUTED SOLID.
9. PROVIDE (1) #5 (MINIMUM), IN GROUTED SPACE, ON ALL SIDES AND ADJACENT TO EVERY OPENING WHICH EXCEEDS 24" IN EITHER DIRECTION. HORIZONTAL BARS SHALL EXTEND 24" BEYOND THE CORNERS OF THE OPENING AND VERTICAL BARS SHALL EXTEND TO TOP OF WALL. VERTICAL REINFORCING SHALL BE PROVIDED AT ENDS, CORNERS AND EACH SIDE OF CONTROL JOINTS. SEE TYPICAL DETAILS FOR OPENINGS WHICH EXCEED 32" IN EITHER DIRECTION.
10. SOLID GROUTING OF MASONRY IS UNACCEPTABLE EXCEPT AS SPECIFICALLY NOTED ON PLANS AND SCHEDULES.
11. WHERE WALLS ARE NOT GROUTED SOLID, EACH GROUT POUR SHALL TERMINATE FLUSH WITH THE TOP OF THE UPPERMOST UNIT EXCEPT AT CELLS WITH VERTICAL REINFORCING WHERE GROUT SHALL BE 1-1/2" BELOW TOP OF UNIT TO PROVIDE CONSTRUCTION KEY. WHERE WALLS ARE GROUTED SOLID, EACH GROUT POUR SHALL TERMINATE 1-1/2" BELOW TOP OF UNIT.
12. GROUT POURS SHALL NOT EXCEED 5'-0" UNLESS HIGH LIFT GROUTING PROCEDURES ARE FOLLOWED.
13. THE USE OF HIGH LIFT GROUTING PROCEDURES REQUIRE THE APPROVAL OF THE ARCHITECT AND ENGINEER AND SHALL NOT EXCEED THE MAXIMUM HEIGHTS GIVEN IN TABLE 3.2.1 OF TMS 402-16. GROUT DEMONSTRATION PANELS, AS PRESCRIBED BY THE ARCHITECT AND ENGINEER, SHALL BE REQUIRED WHERE REQUESTED GROUTING PROCEDURES DO NOT MEET THE LIMITS OF TABLE 3.2.1. ADDITIONALLY, ALL HIGH LIFT GROUTING SHALL REQUIRE SPECIAL INSPECTION PROCEDURES NEEDED TO VERIFY GROUT PLACEMENT DURING CONSTRUCTION. DURING THE SUBMITTAL FOR APPROVAL PROCESS, SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO: STATEMENT OF PROCEDURE FOR MECHANICAL VIBRATION OF HIGH LIFT GROUT; NEW MIX DESIGNS FOR HIGH SLUMP, HIGH LIFT GROUT; FOR SELF-CONSOLIDATING GROUT, SUBMIT MIX DESIGNS, SLUMP FLOW RATES, VISUAL STABILITY INDEX (VSI), AND QUANTITIES OF ADMIXTURES BEING USED.
14. ALL MASONRY BEAMS SHALL BE BUILT INTEGRAL WITH SUPPORT, NO TOOTHING OR DOWELING PERMITTED. UNITS WITH ONE END OPEN SHALL BE USED FOR ALL MASONRY BEAMS.
15. PROVIDE VERTICAL CONTROL JOINTS AT MAXIMUM SPACINGS NOTED BELOW UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS AND/OR ON ARCHITECTURAL ELEVATIONS AND AT ALL CHANGES IN WALL ELEVATION AND MASONRY THICKNESS. CONTROL JOINTS SHALL NOT BE LOCATED DIRECTLY OVER OR CLOSER THAN 24" TO WALL OPENINGS (DOORS, WINDOWS, MECHANICAL OPENINGS, ETC.), OR WITHIN MASONRY JAMBS.
    REINFORCED MASONRY : 40 FT
    VENEER : 30 FT AND AT INTERFACE BETWEEN VENEER SUPPORTED BY FOUNDATIONS AND SUSPENDED STRUCTURAL ELEMENTS.
16. HORIZONTAL REINFORCEMENT SHALL TERMINATE AT EACH SIDE OF CONTROL JOINTS EXCEPT AT FLOOR AND ROOF LEVEL BOND BEAMS AND AT TOP OF PARAPET.
17. CONTROL JOINTS SHALL BE PROVIDED AT THE MASONRY SIDE OF EMBEDDED STEEL COLUMNS TO CONTROL CRACKING OF FACE SHELLS.
18. SUPPORT NON-BEARING, NON-STRUCTURAL WALLS AT TOP OF MASONRY AS PER TYPICAL DETAILS AT LOCATIONS WHERE INTERSECTING OR PERPENDICULAR WALLS ARE 12'-0" OR MORE APART OR WHERE END OF WALL OCCURS 6'-0" OR MORE FROM INTERSECTING WALL.
19. EMBED CHANNELS AND PLATES TO BE PLACED SO AS TO CREATE FLUSH SURFACE WITH FACE OF MASONRY. FLANGES ON CHANNEL EMBEDS SHALL BE HORIZONTAL.
20. ALL VERTICAL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO GROUTING USING WIRE POSITIONERS OR OTHER ACCEPTABLE DEVICES. REINFORCING SHALL BE SECURED AT BAR-SPLICE LOCATIONS AND AT A SPACING NOT MORE THAN 120 BAR DIAMETERS.
21. UNLESS NOTED OTHERWISE, MASONRY WALLS SHALL BE CONSTRUCTED UTILIZING COMMON RUNNING-BOND WITH FULLY MORTARED BED JOINTS AROUND GROUTED CELLS.\
22. MASONRY VENEER SHALL BE ANCHORED USING THE HOHMANN AND BARNARD VENEER ANCHOR ASSEMBLY SYSTEM, OR AN APPROVED EQUAL, REGARDLESS OF BACK-UP SYSTEM, PROVIDE A CONTINUOUS HORIZONTAL 9 GAUGE WIRE AT 16"O.C. IN VENEER MORTAR JOINTS FOR ANCHOR ATTACHMENT. POSITIVE ANCHORAGE TO THE WIRE USING THE SEISMICLIP INTERLOCK SYSTEM SHALL BE PROVIDED TO SUPPORT NOT MORE THAN 2 SQUARE FEET OF WALL, WITH A HORIZONTAL SPACING NOT EXCEEDING 18".
    a. METAL STUDS; USE HOHMANN AND BARNARD HB-213 S.I.S. (SEISMICLIP INTERLOCK SYSTEM) HEAVY DUTY ANCHORS OR AN APPROVED EQUAL. THE HB-213 ASSEMBLY SHALL BE ATTACHED TO WOOD STUDS USING A # 12 X 2" WOOD SCREWS OR TO METAL STUDS USING #10 SCREWS.
    b. BRICK AND BLOCK WALLS; USE HOHMANN AND BARNARD 270-ML-S.I.S. (SEISMICLIP INTERLOCK SYSTEM) MIGHTY-LOK SEISMIC ANCHORS OR AN APPROVED EQUAL AT SPACINGS NOTED ABOVE. INSTALL A 2 WIRE 9 GAUGE LADDER TYPE JOINT REINFORCEMENT AT 16"O.C. IN THE BACK-UP WALL FOR ANCHORAGE ATTACHMENT.
    c. CONCRETE WALLS; USE HOHMANN AND BARNARD HB 303SV SEISMIC NOTCH DOVE TAIL ANCHOR SYSTEM OR AN APPROVED EQUAL AT SPACINGS NOTED ABOVE.
23. ELECTRICAL CONDUIT SHALL NOT BE PLACED IN CELLS THAT CONTAIN REBAR. CONDUIT IS ALLOWED TO PASS THROUGH REINFORCED CELLS WHEN IT OCCURS PERPENDICULAR TO THE REBAR. CONDUIT SHALL NOT CONTACT REBAR AS IT PASSES. THERE SHALL BE 1" CLEAR BETWEEN CONDUIT AND REBAR.

M. STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEM. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESE ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
2. STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN.
3. ARW ENGINEERS WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. STRUCTURAL DELEGATED DESIGN COMPONENTS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.
5. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO :
   a. OPEN WEB JOISTS & GIRDERS, BRIDGING, BRACING, CONNECTIONS, AND RELATED COMPONENTS.

N. NON-STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. NON-STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ITEMS NOT INCLUDED IN THE STRUCTURAL DELEGATED DESIGN SECTION. THESE ARE ITEMS THAT ARE NOT CRITICAL TO THE OVERALL PERFORMANCE OF THE STRUCTURAL SYSTEM BUT THAT IMPART LOADS AND FORCES TO THE STRUCTURAL SYSTEM.
2. NON-STRUCTURAL DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
3. ARW ENGINEERS WILL REVIEW NON-STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. IF THE STRUCTURAL DRAWINGS INCLUDE LOADS TO ACCOMMODATE NON-STRUCTURAL ELEMENTS, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENTS COMPLY WITH THE LOADING CRITERIA PROVIDED HEREIN. SUCH DOCUMENTATION SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
5. WHEN THE NON-STRUCTURAL DEFERRED SUBMITTAL INDICATES THAT THE ELEMENT WILL IMPART FORCES IN EXCESS OF LOADS THAT ARE INDICATED ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT A DETAILED GRAPHICAL REPRESENTATION OF THOSE DESIGN LOADS, INCLUDING MAGNITUDE, AND LOCATION. THE GRAPHIC SHALL BE ACCOMPANIED BY DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENT DESIGN COMPLIES WITH THE LOADING CRITERIA PROVIDED HEREIN. THE LETTER SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
6. NON-STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO :
   a. COLD FORMED STEEL STUDS / JOISTS / HEADERS / JAMBS / TRUSSES.
   b. SEISMIC BRACING OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS WHERE REQUIRED BY THE MOST RECENT VERSION OF ASCE 7 AND THE PROJECT CONTRACT DOCUMENTS.
   c. STRUCTURAL STEEL STAIRS.

design west | architects
LOGAN, UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

BID PACKAGE 1

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

STRUCTURAL NOTES

S-002

3/14/2024 10:43:48 AM

ROOF DECK SCHEDULE

AREA	DECK			ATTACHMENT							MIN. SHEAR CAPACITY (ASD)	MAX. FLEXIBILITY FACTOR
				SUPPORTS		SIDE SEAMS			SUPPORTS PARALLEL TO FLUTES			
	DEPTH	TYPE	GA	DIA. WELD	PATTERN	#12 TEK SCREWS	TOP SEAM WELD	PUNCH LOCK II	Ø WELD	SPA.		
A	3"	PLN3	20	3/4"	32/5	---	---	12"o.c.	3/4"	12"o.c.	795 PLF	14.3
B	1 1/2"	PLB	20	3/4"	36/7/4	---	---	24"o.c.	3/4"	12"o.c.	764 PLF	13.2
C	1 1/2"	PLB	20	3/4"	36/7/4	---	---	18"o.c.	3/4"	12"o.c.	908 PLF	12.1
D	1 1/2"	PLB	20	3/4"	36/7/4	---	---	12"o.c.	3/4"	12"o.c.	1168 PLF	11
E	1 1/2"	PLB	20	3/4"	36/7/4	---	---	6"o.c.	3/4"	12"o.c.	1499 PLF	10.1

FASTENING PATTERNS

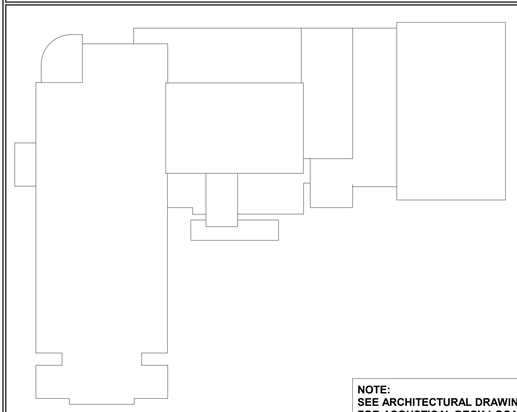
WELD PATTERN : 32/5

WELD PATTERN : 36/4

36/4 @ INTERIOR PANEL SUPPORTS
36/7 @ END PANEL SUPPORTS

WELD PATTERN : 36/7/4

NOTES :
1. TOP SEAM WELDS SHALL BE 1-1/2" LONG AND SHALL BE ACCORDING TO SDI STANDARDS.
2. USE NESTABLE (OVERLAPPING) SIDE SEAMS AT SCREW ATTACHMENTS AND INTERLOCKING SIDE SEAMS AT WELDS.
3. IF N DECK IS NOT NESTABLE, N DECK END BUTT JOINTS OVER STEEL JOISTS SHALL USE 16 GA. x 6" CONTINUOUS SHEET BETWEEN DECK AND JOIST TOP CHORD ANGLES. DECK WELDS TO PENETRATE SHEET AND ENGAGE JOIST CHORD.
4. ALL DECK WITH A PROFILE DEPTH OF 2" OR LESS SHALL HAVE NESTED OR TELESCOPED END LAPS.
5. SUBMIT CURRENT ICC APPROVAL FOR ALL DECKS.
6. ALTERNATE SYSTEMS SHALL MEET OR EXCEED THE MINIMUM SHEAR CAPACITY AND SHALL PROVIDE LESS THAN OR EQUAL TO THE MAXIMUM FLEXIBILITY FACTOR LISTED IN THE SCHEDULE.
7. ALL ALTERNATE SYSTEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

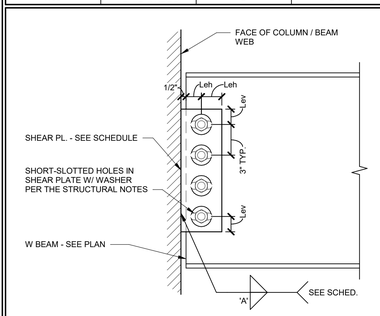


NOTE:
SEE ARCHITECTURAL DRAWINGS FOR ACOUSTICAL DECK LOCATIONS.

BASE BID KEY PLAN

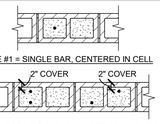
BEAM CONNECTION SCHEDULE

BEAM DEPTH	SHEAR PLATE INFORMATION			BOLTS W/ STANDARD WASHERS OVER SLOTS		WELD 'A'	COMMENTS
	PL. DIMENSIONS W/ SHORT-SLOTTED HOLES	Lev	Leh	No.	SIZE		
W8, W10	PL. 1/4" x REQ'D	1 1/2"	2"	2	3/4" Ø	3/16"	
W12, W14	PL. 5/16" x REQ'D	1 1/2"	2"	3	3/4" Ø	1/4"	
W16	PL. 5/16" x REQ'D	1 1/2"	2"	4	3/4" Ø	1/4"	
W18	PL. 5/16" x REQ'D	1 1/2"	2"	5	3/4" Ø	1/4"	
W21	PL. 5/16" x REQ'D	1 1/2"	2"	6	3/4" Ø	1/4"	
W24	PL. 3/8" x REQ'D	1 1/2"	2"	7	7/8" Ø	1/4"	
W27	PL. 3/8" x REQ'D	1 1/2"	2"	7	7/8" Ø	1/4"	
W30	PL. 1/2" x REQ'D	1 3/4"	2"	8	1" Ø	5/16"	
W33	PL. 1/2" x REQ'D	1 3/4"	2"	9	1" Ø	5/16"	
W36	PL. 1/2" x REQ'D	2"	2 1/4"	10	1-1/8" Ø	5/16"	



2021 IBC MASONRY REBAR LAP SPLICE SCHEDULE

FOR MASONRY APPLICATIONS (TMS 402/602 - 16)



CASE #1 = SINGLE BAR, CENTERED IN CELL

CASE #2 = WHEN REINFORCING BAR IS PLACED ADJACENT TO FACE SHELL

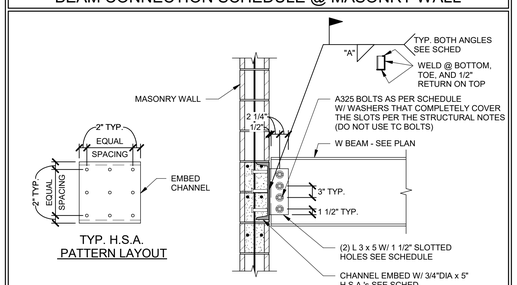
BAR LOCATION	MASONRY REINFORCING & SPLICE LENGTHS (IN) (f'm = 1500psi)									
	BAR SIZE									
	#3		#4		#5		#6		#7	
	CASE #		CASE #		CASE #		CASE #		CASE #	
	1	2	1	2	1	2	1	2	1	2
BEAM / WALL HORIZONTAL	19"		26"		32"		38"		45"	
WALL VERTICAL COLUMN AND JAMB	12"	15"	15"	26"	23"	40"	43"	54"	60"	63"

BAR LOCATION	MASONRY REINFORCING & SPLICE LENGTHS (IN) (f'm = 2000psi)									
	BAR SIZE									
	#3		#4		#5		#6		#7	
	CASE #		CASE #		CASE #		CASE #		CASE #	
	1	2	1	2	1	2	1	2	1	2
BEAM / WALL HORIZONTAL	19"		26"		32"		38"		45"	
WALL VERTICAL COLUMN AND JAMB	12"	13"	13"	22"	20"	35"	38"	54"	52"	63"

BAR LOCATION	MASONRY REINFORCING & SPLICE LENGTHS (IN) (f'm = 2500psi)									
	BAR SIZE									
	#3		#4		#5		#6		#7	
	CASE #		CASE #		CASE #		CASE #		CASE #	
	1	2	1	2	1	2	1	2	1	2
BEAM / WALL HORIZONTAL	19"		26"		32"		38"		45"	
WALL VERTICAL COLUMN AND JAMB	12"		12"	20"	18"	31"	34"	54"	47"	63"

NOTES :
1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
2. DEVELOPMENT LENGTHS SHALL BE INCREASED BY 50% WHERE EPOXY COATED REBAR IS USED.
3. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
4. ALL REBAR #8 AND LARGER IN MASONRY SHALL BE SPLICED USING MECHANICAL SPLICES. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY.

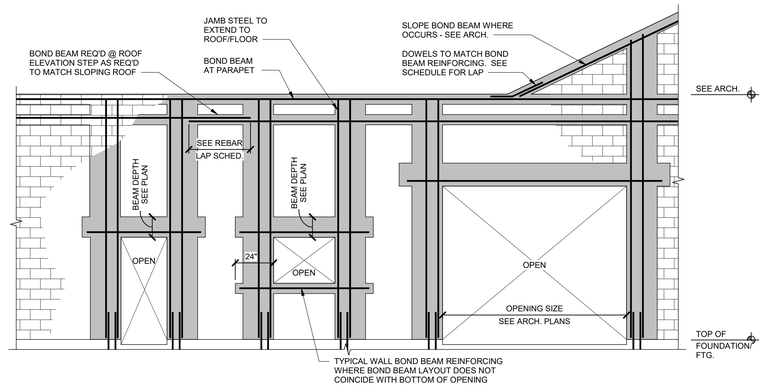
BEAM CONNECTION SCHEDULE @ MASONRY WALL



BEAM SIZE	ANGLE SIZE (EA. SIDE)	WELD 'A'	BOLTS	EMBED CHANNEL	# OF H.S.A.	H.S.A. PATTERN
W8, C8	3 x 5 x 1/4"	3/16"	(2) 3/4"Ø	C8 x 13.75 x 0'-8"	4	
W10, C10	3 x 5 x 5/16"	1/4"	(2) 3/4"Ø	C12 x 20.7 x 1'-4"	6	
W12, C12	3 x 5 x 5/16"	1/4"	(3) 3/4"Ø	C12 x 20.7 x 1'-4"	6	
W14	3 x 5 x 5/16"	1/4"	(3) 3/4"Ø	C15 x 33.9 x 1'-4"	9	
W16	3 x 5 x 5/16"	1/4"	(4) 3/4"Ø	C15 x 33.9 x 2'-0"	12	
W18	3 x 5 x 5/16"	1/4"	(5) 3/4"Ø	(2) C12 x 20.7 x 2'-0"	12	

1. AT THE CONTRACTORS OPTION, (2) C8 x 13.7 MAY BE SUBSTITUTED FOR THE C15 x 33.9. HSA PATTERN SHALL BE RECONFIGURED & EQUALLY DISTRIBUTED BETWEEN THE TWO CHANNELS.
2. DOUBLE CHANNELS SHALL BE WELDED TOGETHER WITH A 2" STITCH WELD EVERY 4" AT THE FLANGE TOE.

TYPICAL MASONRY / JAMB REINFORCING SCHEDULE

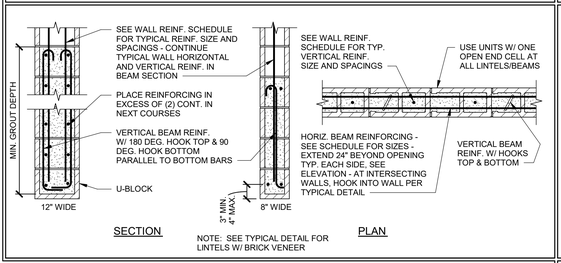


NOTES:
1. USE OPEN-END UNITS AT INTERSECTIONS OF BEAMS AND JAMBS.
2. TYPICAL HORIZONTAL BOND BEAMS MAY BE ADJUSTED UP OR DOWN BY ONE COURSE PROVIDED THE OVERALL NUMBER OF REQUIRED BOND BEAMS ARE INSTALLED.
3. TYPICAL HORIZONTAL AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY, SEE PLAN AND SCHEDULE FOR TYPICAL WALL REINFORCING.
4. JAMB REINFORCING SHOWN IS SCHEMATIC. SEE SCHEDULE & DETAILS FOR ACTUAL JAMB REINFORCING.
5. ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS BETWEEN THE LEVELS IN WHICH THE WALL OCCURS.

MASONRY BEAM SCHEDULE

MARK	NOMINAL THICKNESS	BOTTOM REINF.	TOP REINF.	VERTICAL REINF.	MIN. GROUT DEPTH	OPENING ① SIZE	COMMENTS
MB-1	8"	(2) #5	(2) #4	#4 @ 16"o.c.	16"	UP TO 5'-0"	
MB-2	8"	(2) #5	(2) #4	#4 @ 16"o.c.	32"	5'-1" TO 9'-0"	
MB-3	12"	(2) #5	(2) #4	#4 @ 16"o.c.	24"	UP TO 5'-0"	
MB-4	12"	(2) #5	(2) #4	#4 @ 16"o.c.	32"	5'-1" TO 7'-0"	

NOTES:
1. WHERE SPECIFIC BEAMS ARE NOT NOTED ON THE PLANS - REFER TO OPENING SIZE FOR REQUIRED BEAM DEPTH AND REINFORCING.
2. FIRST VERTICAL BAR TO BE WITHIN 8" OF END OF BEAM.
3. SEE TYPICAL ELEVATION - VIEW OF BEAM.
4. VERTICAL REINFORCING SHALL HAVE HOOKS TOP AND BOTTOM.

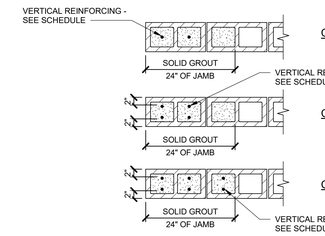


NOTE: SEE TYPICAL DETAIL FOR LINTELS W/ BRICK VENEER

MASONRY JAMB SCHEDULE

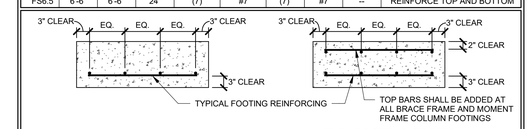
MARK	NOMINAL THICKNESS	VERTICAL REINF.	TIES	CONFIG.	OPENING ① SIZE	COMMENTS
MJ-1	8"	(2) #5	---	A	2'-8" TO 5'-0"	
MJ-2	8"	(4) #5	---	B	5'-1" TO 7'-0"	
MJ-3	8"	(6) #5	---	C	SEE PLAN	
MJ-4	8"	(8) #5	---		SEE PLAN	SIMILAR TO CONFIG. C - SOLID GROUT 32"
MJ-5	12"	(4) #5	---	B	2'-8" TO 5'-0"	
MJ-6	12"	(6) #5	---	C	5'-1" TO 7'-0"	

NOTES:
1. WHERE SPECIFIC JAMBS ARE NOT NOTED ON THE PLANS - REFER TO OPENING SIZE FOR REQUIRED REINFORCING AND CONFIGURATION.
2. ALL VERTICAL REINFORCING SHALL HAVE MATCHING DOWELS CAST INTO FOUNDATIONS.
3. HORIZONTAL REINFORCING NOT SHOWN.
4. JAMBS TO BE GROUTED SOLID.



FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF.		CROSSWISE REINF.			REMARKS
				NO.	SIZE	NO.	SIZE	SPA.	
FC2	2'-0"	CONT.	12"	(2)	#5	--	--	--	
FC2.5	2'-6"	CONT.	12"	(3)	#5	--	--	--	
FC3	3'-0"	CONT.	12"	(3)	#5	--	--	--	
FC4	4'-0"	CONT.	14"	(4)	#5	(1)	#5	12"o.c.	
FC5	5'-0"	CONT.	16"	(5)	#6	(1)	#6	12"o.c.	
FC6	6'-0"	CONT.	20"	(6)	#6	(1)	#6	12"o.c.	REINFORCE TOP & BOTTOM
FC7	7'-0"	CONT.	22"	(7)	#7	(1)	#7	12"o.c.	REINFORCE TOP & BOTTOM
FC8	8'-0"	CONT.	24"	(8)	#8	(1)	#8	12"o.c.	REINFORCE TOP & BOTTOM
F3	3'-0"	3'-0"	12"	(3)	#5	(3)	#5	--	
F3.5	3'-6"	3'-6"	12"	(3)	#5	(3)	#5	--	
F4	4'-0"	4'-0"	12"	(4)	#5	(4)	#5	--	
F4.5	4'-6"	4'-6"	12"	(5)	#5	(5)	#5	--	
F5	5'-0"	5'-0"	14"	(5)	#5	(5)	#5	--	
F5.5	5'-6"	5'-6"	14"	(6)	#6	(6)	#6	--	
F6	6'-0"	6'-0"	16"	(6)	#6	(6)	#6	--	
F6.5	6'-6"	6'-6"	18"	(7)	#6	(7)	#6	--	
F7	7'-0"	7'-0"	18"	(7)	#6	(7)	#6	--	
F7.5	7'-6"	7'-6"	20"	(7)	#7	(7)	#7	--	
F8	8'-0"	8'-0"	22"	(8)	#7	(8)	#7	--	
F8.5	8'-6"	8'-6"	22"	(8)	#7	(8)	#7	--	
F9	9'-0"	9'-0"	24"	(9)	#7	(9)	#7	--	
F9.5	9'-6"	9'-6"	26"	(10)	#7	(10)	#7	--	
F10	10'-0"	10'-0"	26"	(10)	#8	(10)	#8	--	
FS36	3'-0"	6'-0"	12"	(3)	#5	(6)	#5	--	
FS6.5	6'-6"	6'-6"	24"	(7)	#7	(7)	#7	--	REINFORCE TOP AND BOTTOM



MASONRY WALL SCHEDULE

MARK	THICK.	VERT. REINF.		HORIZ. BOND BEAM REINF.					COMMENTS
		SIZE	SPACE	NO.	SIZE	SPACE	@ ROOF	@ ELEVATED FLOOR	
MW-8A	8"	#5	32"o.c.	(2)	#4	48"	(2) #4	--	
MW-8B	8"	#5	32"o.c.	(2)	#5	32"	(2) #5	(2) #5	
MW-12A	12"	(2) #5	16"o.c.	(2)	#5	48"	--	--	SOLID GROUTED
MW-12B	12"	(2) #5	24"o.c.	(2)	#5	48"	(4) #5	(4) #5	SOLID GROUTED

NOTES:
1. FOR ANY CMU WALLS NOT SPECIFICALLY CALLED OUT IN PLANS, USE MW-8A.
2. VERTICAL REINFORCING TO BE @ CENTERLINE OF WALL WHERE SINGLE BAR IS NOTED IN SCHEDULE. POSITION BARS 2" FROM EACH FACE OF WALL WHERE (2) BARS ARE SPECIFIED.
3. SOLID GROUTING OF WALLS IS UNACCEPTABLE EXCEPT WHERE SPECIFICALLY NOTED.
4. SEE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
5. A BOND BEAM SHALL BE LOCATED IN THE FIRST COURSE ABOVE THE FOUNDATION IF VERTICAL DOWELS HAVE BEEN BENT TO ALIGN WITH VERTICAL CELLS, WHETHER OR NOT MASONRY WEBS HAVE BEEN CUT.

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HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

BID PACKAGE 1

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

SCHEDULES

S-010

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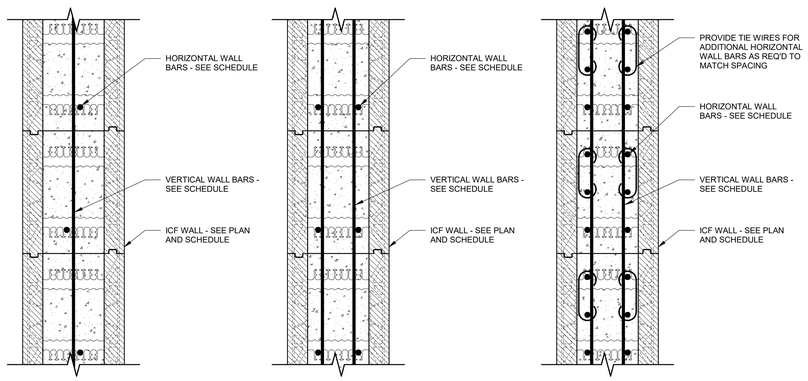
STANDARD HOOK & BEND SCHEDULE

TYPE OF STANDARD HOOK	BAR SIZE	MIN. INSIDE BEND DIA. FOR STIRRUPS, TIES, AND HOOPS, in	STRAIGHT EXTENSION ℓ_{ext} FOR STIRRUPS, TIES, AND HOOPS in.	MIN. INSIDE BEND DIA. FOR OTHER BARS, in	STRAIGHT EXTENSION ℓ_{ext} FOR OTHER BARS in.	TYPE OF STANDARD HOOK
90° HOOK	#3 - #5	$4d_b$	GREATER OF $6d_b$ AND 3"	$6d_b$	$12d_b$	POINT AT WHICH BAR IS DEVELOPED; 90° BEND; DIA; d_b; ℓ_{ext}; ℓ_{dh}
	#6 - #8	$6d_b$	$12d_b$			
	#9 - #11	N/A	N/A	$8d_b$		
	#14 - #18	N/A	N/A	$10d_b$		
135° HOOK	#3 - #5	$4d_b$	GREATER OF $6d_b$ AND 3"	N/A	N/A	135° BEND; DIA; d_b; ℓ_{ext}
	#6 - #8	$6d_b$	GREATER OF $6d_b$ AND 3"	N/A	N/A	
180° HOOK	#3 - #5	$4d_b$	GREATER OF $4d_b$ AND 2.5"	$6d_b$	GREATER OF $4d_b$ AND 2.5"	180° BEND; DIA; d_b; ℓ_{ext}
	#6 - #8	$6d_b$				
	#9 - #11	N/A	N/A	$8d_b$		
	#14 - #18	N/A	N/A	$10d_b$		

TYPICAL ICF CONFIGURATION SCHEDULE



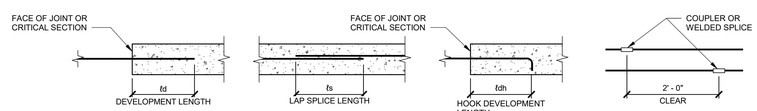
SINGLE LAYER REINFORCING

DOUBLE LAYER REINFORCING

DOUBLE LAYER REINFORCING W/ ADDED HORIZ. REINFORCING

2021 IBC CONCRETE REBAR LAP SPLICE SCHEDULE (60KSI REBAR)

FOR CONCRETE APPLICATIONS (ACI 318 - 19)

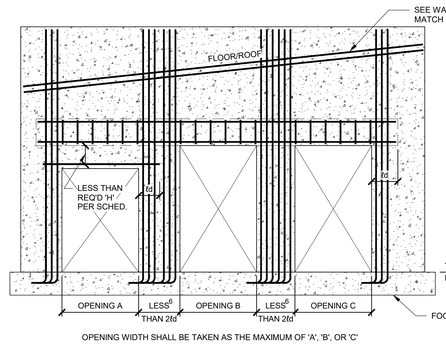


BAR LOCATION	CONCRETE REINFORCING & SPLICE LENGTHS (IN)																											COMMENTS
	CONCRETE		BAR SIZE																									
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8			#9			#10			#11			
			td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	3000 PSI	17	22	6	22	29	6	28	36	8	33	43	11	48	62	14	55	72	16	62	81	20	70	91	23	78	101	27	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	3000 PSI	22	29	6	29	38	6	36	47	8	43	56	11	63	82	14	72	94	16	81	105	20	91	118	23	101	131	27	
BEAM BOTTOM BARS, COLUMN BARS	NWC	3000 PSI	17	22	6	22	29	10	28	36	13	33	43	17	48	62	21	55	72	26	62	81	31	70	91	37	78	101	43	
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	3000 PSI	12	16	6	14	18	6	17	22	8	20	26	11	29	38	14	33	43	16	38	49	20	42	55	23	46	61	27	
SLAB TOP BARS[5] BEAM TOP BARS	NWC	3000 PSI	22	29	6	29	38	10	36	47	13	43	56	17	63	82	21	72	94	26	81	105	31	91	118	37	101	131	43	

BAR LOCATION	CONCRETE REINFORCING & SPLICE LENGTHS (IN)																											COMMENTS
	CONCRETE		BAR SIZE																									
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8			#9			#10			#11			
			td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	td	ts	tdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	4500 PSI	14	18	6	18	23	6	23	30	8	27	35	10	40	52	12	45	59	15	51	66	18	57	74	21	64	83	25	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4500 PSI	18	23	6	24	31	6	30	39	8	35	46	10	51	66	12	59	77	15	66	86	18	74	96	21	82	107	25	
BEAM BOTTOM BARS, COLUMN BARS	NWC	4500 PSI	14	18	6	18	23	9	23	30	12	27	35	16	40	52	20	45	59	24	51	66	29	57	74	34	64	83	40	
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	4500 PSI	12	16	6	12	16	6	13	17	8	16	21	10	23	30	12	26	34	15	29	38	18	33	43	21	36	47	25	
SLAB TOP BARS[5] BEAM TOP BARS	NWC	4500 PSI	18	23	6	24	31	9	30	39	12	35	46	16	51	66	20	59	77	24	66	86	29	74	96	34	82	107	40	

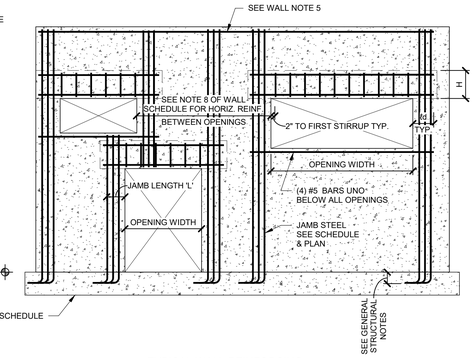
NOTES :
1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
2. LENGTHS INDICATED IN THIS SCHEDULE SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.
3. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
4. SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.
5. SLAB TOP BARS ONLY FOR SLABS 12" OR GREATER IN THICKNESS.

TYPICAL CONCRETE/JAMB/BEAM/WALL REINFORCING SCHEDULE



OPENING WIDTH SHALL BE TAKEN AS THE MAXIMUM OF 'A', 'B', OR 'C'

OPENINGS CLOSE TO ONE ANOTHER



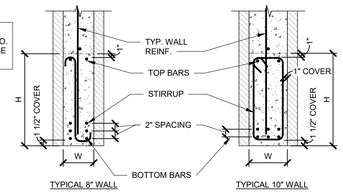
TYPICAL WALL REINFORCING

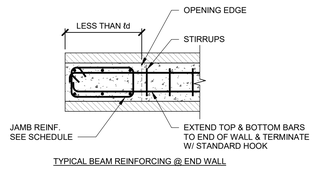
CONCRETE WALL HEADER SCHEDULE

MARK	H	W	BOTTOM BARS	TOP BARS	TRANSVERSE BAR SPACING	MAX. OPENING WIDTH	COMMENTS
CB-1	16"	8"	(2) #5	(2) #5	#5 @ 6"o.c.	5'-0"	
CB-2	16"	8"	(4) #5	(2) #5	#5 @ 6"o.c.	7'-0"	(2) LAYERS BOTTOM BARS
CB-3	24"	8"	(4) #6	(2) #5	#5 @ 8"o.c.	10'-0"	(2) LAYERS BOTTOM BARS
CB-4	24"	8"	(6) #6	(2) #5	#5 @ 8"o.c.	14'-0"	(3) LAYERS BOTTOM BARS
CB-5	32"	8"	(6) #6	(2) #6	#5 @ 8"o.c.	16'-0"	(3) LAYERS BOTTOM BARS
CB-6	48"	8"	(6) #6	(2) #6	#5 @ 12"o.c.	SEE PLAN	(3) LAYERS BOTTOM BARS
CB-7	16"	10"	(3) #6	(2) #5	#3 @ 6"o.c.	7'-0"	
CB-8	24"	10"	(6) #6	(2) #5	#3 @ 6"o.c.	12'-0"	(2) LAYERS BOTTOM BARS
CB-9	32"	10"	(6) #6	(2) #5	#3 @ 6"o.c.	16'-0"	(3) LAYERS BOTTOM BARS

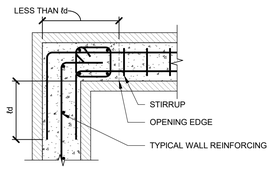
NOTES:
1. TOP AND BOTTOM BARS SHALL BE CONTINUOUS THROUGHOUT THE HEADER WITHOUT SPLICING IF POSSIBLE.
2. IF SPLICES ARE REQUIRED THEY SHALL NOT OCCUR IN THE MIDDLE HALF SPAN OF THE HEADER.
3. TYPICAL HORIZONTAL WALL REINFORCING NEED NOT OCCUR IN DEPTH OF HEADER.
4. TOP AND BOTTOM BARS SHALL EXTEND PAST THE EDGE OF AN OPENING A MINIMUM DISTANCE OF THE DEVELOPMENT LENGTH *td*; SEE REBAR LAP/SPLICE SCHEDULE.
5. NO CONSTRUCTION/EXPANSION JOINTS SHALL OCCUR THROUGH BEAM LENGTH.

NOTE: SINGLE STIRRUP LEG SHALL BE USED @ 8" WALLS UNO. SINGLE STIRRUP HOOP SHALL BE USED @ 10" WALL UNO.





TYPICAL BEAM REINFORCING @ END WALL

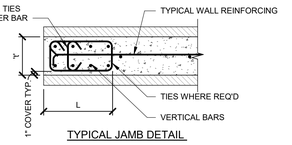


TYPICAL BEAM REINFORCING @ WALL CORNER

CONCRETE JAMB SCHEDULE

MARK	WALL 't'	LENGTH	VERTICAL BARS	TIES[7]	MAX. OPENING SIZE	COMMENTS
CJ-1	8"	16"	(6) #6	--	5'-0"	
CJ-2	8"	16"	(6) #6	#3 @ 12"o.c.	7'-0"	
CJ-3	8"	20"	(8) #6	#3 @ 12"o.c.	12'-0"	
CJ-4	8"	24"	(10) #6	#3 @ 12"o.c.	16'-0"	
CJ-5	8"	36"	(12) #6	#3 @ 12"o.c.	--	
CJ-6	8" OR 10"	16"	(6) #6	#3 @ 5"o.c.	SEE PLAN	
CJ-7	10"	12"	(4) #6	--	5'-0"	
CJ-8	10"	16"	(6) #6	#3 @ 12"o.c.	7'-0"	
CJ-9	10"	30"	(14) #6	--	12'-0"	
CJ-10	10"	48"	(24) #6	--	16'-0"	
CJ-11	8"	30"	(12) #6	#3 @ 12"o.c.	SEE PLAN	

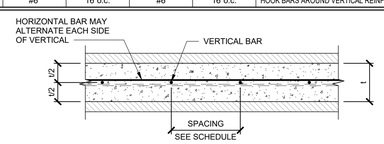
NOTES:
1. JAMBS PER OPENING SIZE SHALL BE USED U.N.O. ON PLANS.
2. TIE SPACING IS A MAXIMUM.
3. NO VERTICAL CONSTRUCTION/EXPANSION JOINTS SHALL OCCUR IN JAMB LENGTH 'L'.
4. LAP SPLICES SHALL BE PER REBAR LAP SCHEDULE.
5. JAMB REINFORCING SHALL BE TIED TO FOOTING DOWELS.
6. JAMBS SHALL BE AT EACH SIDE OF OPENING. WHERE OPENINGS ARE CLOSE TOGETHER AND NOT SPECIFICALLY CALLED OUT ON PLANS CONTACT ENGINEER.



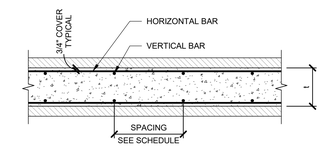
TYPICAL JAMB DETAIL

CONCRETE WALL SCHEDULE

MARK	t	VERTICAL REINFORCING		HORIZONTAL REINFORCING		COMMENTS
		SIZE	SPACING	SIZE	SPACING	
CW-1	8"	#6	16"o.c.	#5	16"o.c.	TYPICAL WALL UNLESS NOTED OTHERWISE
CW-2	8"	#6	12"o.c.	#5	16"o.c.	MAT EACH FACE
CW-3	10"	#6	8"o.c.	#6	16"o.c.	
CW-4	10"	#6	12"o.c.	#6	16"o.c.	
CW-5	8"	#6	16"o.c.	#6	16"o.c.	
CW-6	8"	#6	16"o.c.	#6	16"o.c.	HOOK BARS AROUND VERTICAL REINF. AT END OF WALLS



SINGLE MAT IN WALL



MAT EACH FACE

NOTES:
1. VERTICAL BARS IN SINGLE MAT WALLS SHALL BE CENTERED IN WALL.
2. VERTICAL BARS IN DOUBLE MAT WALLS SHALL BE PLACED TIGHT AGAINST HORIZONTAL BARS AS SHOWN AND HELD IN PLACE WHILE PLACING CONCRETE.
3. TYPICAL VERTICAL WALL REINFORCING NEED NOT EXTEND INTO JAMB.
4. TYPICAL HORIZONTAL WALL REINFORCING SHALL EXTEND INTO JAMB BARS AS SHOWN.
5. PROVIDE (4) #5 BARS x CONT. AT ALL FLOOR AND ROOF ELEVATIONS TYPICAL UNLESS NOTED OTHERWISE.
6. U.N.O. USE CW-1 FOR ALL WALLS.
7. PROVIDE (2) #5 BARS x CONT. @ TOP OF WALL WHERE WALL EXTENDS PAST ROOF.
8. SPACE HORIZONTAL REINFORCING @ 8"o.c. FOR WALL SEGMENTS THAT ARE LESS THAN 4'-0" IN LENGTH.

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HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

MARK:	DATE:	DESCRIPTION:

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CHECKED BY: J. Blazzard
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SCHEDULES

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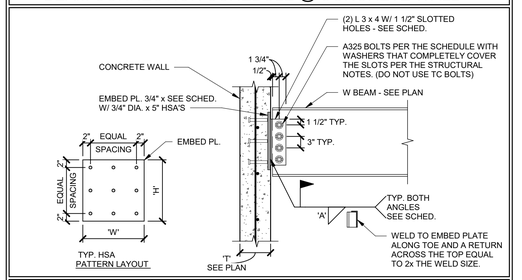
BEAM CONNECTION SCHEDULE @ CONCRETE WALL



BEAM SIZE	ANGLE SIZE (EA. SIDE)	WELD 'A'	BOLTS	EMBED PLATE (W X H)	# OF H.S.A.	H.S.A. PATTERN
W8x, C8x	3 x 4 x 5/16 x 0'-6"	1/4"	(2) 3/4"Ø	8 1/2" x 8 1/2"	4	
W10x	3 x 4 x 5/16 x 0'-6"	1/4"	(2) 3/4"Ø	12" x 1'-4"	6	
W12x, C12x	3 x 4 x 5/16 x 0'-9"	1/4"	(3) 3/4"Ø	12" x 1'-4"	6	
W14x	3 x 4 x 5/16 x 0'-9"	1/4"	(3) 3/4"Ø	15" x 1'-4"	9	
W16x	3 x 4 x 5/16 x 1'-0"	1/4"	(4) 3/4"Ø	15" x 1'-8"	9	
W18x	3 x 4 x 5/16 x 1'-3"	1/4"	(5) 3/4"Ø	15" x 1'-8"	9	
W21x	3 x 4 x 3/8 x 1'-6"	5/16"	(6) 7/8"Ø	15" x 2'-0"	12	
W24x	3 x 4 x 3/8 x 1'-9"	5/16"	(7) 7/8"Ø	15" x 2'-0"	12	

STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2021 IBC SECTION 1705.2.1

INSPECTION TASKS PRIOR TO WELDING (TABLE N5.4-1)	FABRICATOR QUALITY CONTROL		SPECIAL INSPECTOR QUALITY ASSURANCE	
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	●			●
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	●		●	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	●		●	
MATERIAL IDENTIFICATION (TYPE / GRADE)		●		●
WELDER IDENTIFICATION SYSTEM[1]		●		●
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				
* JOINT PREPARATION				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		●		●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
* BACKING TYPE AND FIT (IF APPLICABLE)				
FIT-UP OF CJP GROOVE WELDS OFHSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)				
* JOINT PREPARATIONS				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		●		●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
CONFIGURATION AND FINISH OF ACCESS HOLES		●		●
FIT-UP OF FILLET WELDS				
* DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		●		●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
CHECK WELDING EQUIPMENT		●		

[1]THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

INSPECTION TASKS DURING WELDING (TABLE N5.4-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
CONTROL AND HANDLING OF WELDING CONSUMABLES				
* PACKAGING		●		●
* EXPOSURE CONTROL				
NO WELDING OVER CRACKED TACK WELDS		●		●
ENVIRONMENTAL CONDITIONS				
* WIND SPEED WITHIN LIMITS		●		●
* PRECIPITATION AND TEMPERATURE				
WPS FOLLOWED				
* SETTINGS ON WELDING EQUIPMENT				
* TRAVEL SPEED				
* SELECTED WELDING MATERIALS		●		●
* SHIELDING GAS TYPE / FLOW RATE				
* PREHEAT APPLIED				
* INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX)				
* PROPER POSITION (F, V, H, OH)				
WELDING TECHNIQUES				
* INTERPASS AND FINAL CLEANING				
* EACH PASS WITHIN PROFILE LIMITATIONS		●		●
* EACH PASS MEETS QUALITY REQUIREMENTS				
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	●		●	

INSPECTION TASKS AFTER WELDING (TABLE N5.4-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
WELDS CLEANED		●		●
SIZE, LENGTH AND LOCATION OF WELDS	●		●	
WELDS MEET VISUAL ACCEPTANCE CRITERIA				
* CRACK PROHIBITION				
* WELD / BASE-METAL FUSION				
* CRATER CROSS SECTION		●		●
* WELD PROFILES				
* WELD SIZE				
* UNDERCUT				
* POROSITY				
ARC STRIKES	●		●	
K-AREA[1]	●		●	
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES[2]	●		●	
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	●		●	
REPAIR ACTIVITIES	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	●		●	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR		●		●

[1]WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75mm) OF THE WELD)
[2]AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

NOTES

1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
2. CONTINUOUS - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.
3. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
4. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N6.
5. QC AND QA INSPECTORS SHALL BE QUALIFIED IN ACCORDANCE WITH AISC 360-16 CHAPTER N4.
6. NONDESTRUCTIVE TESTING PERSONNEL SHALL BE QUALIFIED IN ACCORDANCE WITH AISC 360-16 CHAPTER N4.3.
7. NONDESTRUCTIVE TESTING OF WELDED JOINTS SHALL COMPLY WITH AISC 360-16 CHAPTER N5.5a AND b.
8. OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS D1.1 / D1.1M STRUCTURAL WELDING CODE - STEEL FOR STATICALLY LOADED STRUCTURES SHALL APPLY.
9. THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED BY QA USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 2 IN. (50mm) FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 IN. (50mm) FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR LOCATION.
10. WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHICS OR ULTRASONIC INSPECTION SHALL BE TESTED BY QA AS PRESCRIBED. REDUCTION IN THE RATE OF UT IS PROHIBITED.
11. REDUCTION OF RATE OF ULTRASONIC TESTING - THE RATE OF UT IS ONLY PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE AHJ PER AISC 360-16 CHAPTER N5.5e.
12. FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR UT IS 10%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECT RATE, THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED, EXCEEDS 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE PRIOR TO IMPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5% OR LESS, THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS 1 IN. (25mm) OR LESS, EACH 12 IN. (300mm) INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm), EACH 6 IN. (150mm) OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ON WELD.
13. ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. WHEN A WELD IS REJECTED ON THE BASIS OF NDT, THE NDT RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION
14. DEMAND CRITICAL WELDS SHALL MEET THE PROVISION FOUND IN AISC 341-16 AND WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING:
    a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED.
    b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5.
    c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA.
    d. USE ELECTRODES WITH CHARPY V-NOTCH ABSORBED ENERGY EQUAL TO OR GREATER THAN 20 FT-LBS AT 20 DEGREES FAHRENHEIT UNDER AWS A5 CLASSIFICATION TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT USING TEST PROCEDURES PRESCRIBED IN APPENDIX X OF AISC 358. ACCEPTABLE ELECTRODES INCLUDE E70TG-K2, E71 T-1.

INSPECTION TASKS PRIOR TO BOLTING (TABLE N5.6-1)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS		●	●	
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS		●		●
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)		●		●
PROPER BOLTING PROCEDURES SELECTED FOR JOINT DETAIL		●		●
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		●		●
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	●			●
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS		●		●

INSPECTION TASKS DURING BOLTING (TABLE N5.6-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
FASTENER ASSEMBLIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED		●		●
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION		●		●
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING		●		●
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES		●		●

INSPECTION TASKS AFTER BOLTING (TABLE N5.6-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	●		●	

NOTES

1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
2. CONTINUOUS - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.
3. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
4. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7.
5. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING OF THE INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-2 ARE NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.
6. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
7. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN THEIR ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
8. OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE PROVISIONS OF THE RCSC SPECIFICATION.

GENERAL STEEL SPECIAL INSPECTION NOTES :

1. QUALITY ASSURANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE FABRICATOR'S PLANT. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE FABRICATOR.
2. QA INSPECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT SITE. THE QAI SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE ERECTOR.
3. WHERE A TASK IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITTED TO COORDINATE THE INSPECTION FUNCTION BETWEEN THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE PERFORMED BY ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCTIONS PERFORMED BY QC, THE APPROVAL OF THE ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION IS REQUIRED.
4. THE FABRICATOR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE SHOP DRAWINGS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION. THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
5. THE QAI SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF THE CONCRETE.
6. THE QAI SHALL INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
7. QUALITY ASSURANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NDT), MAY BE WAIVED WHEN THE WORK IS PERFORMED IN A FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) TO PERFORM THE WORK WITHOUT QA. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.
8. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE FABRICATOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. AT COMPLETION OF ERECTION, THE APPROVED ERECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
9. IDENTIFICATION AND REJECTION OF MATERIAL OR WORKMANSHIP THAT IS NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, SHALL BE PERMITTED AT ANY TIME DURING THE PROGRESS OF THE WORK. HOWEVER, THIS PROVISION SHALL NOT RELIEVE THE OWNER OR THE INSPECTOR OF THE OBLIGATION FOR TIMELY, IN-SEQUENCE INSPECTIONS. NONCONFORMING MATERIAL AND WORKMANSHIP SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE FABRICATOR OR ERECTOR, AS APPLICABLE.
10. NONCONFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT INTO CONFORMANCE, OR MADE SUITABLE FOR ITS INTENDED PURPOSE AS DETERMINED BY THE ENGINEER OF RECORD.
11. CONCURRENT WITH THE SUBMITTAL OF SUCH REPORTS TO THE AHJ, EOR OR OWNER, THE QA AGENCY SHALL SUBMIT TO THE FABRICATOR AND ERECTOR:
    (1) NONCONFORMANCE REPORTS
    (2) REPORTS OF REPAIR, REPLACEMENT OR ACCEPTANCE OF NONCONFORMING ITEMS.

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

BID PACKAGE 1

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

SCHEDULES

S-012

3/14/2024 10:49:8 AM

SPECIAL INSPECTION SCHEDULE [1, 2]

ESTABLISHED PER 2021 IBC SECTION 110 AND CHAPTER 17

ITEM	CONTINUOUS[3]	PERIODIC[3]	REFERENCE	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2).
OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC 1705.2.3)				
INSTALLATION OF OPEN-WEB JOISTS AND JOIST GIRDERS				
END CONNECTIONS - WELDED OR BOLTED		●	SJI SPECIFICATIONS LISTED IN SECTION 2207.1	
BRIDGING - HORIZONTAL OR DIAGONAL				
STANDARD BRIDGING		●		
BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1		●	SJI SPECIFICATIONS LISTED IN SECTION 2207.1	
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET.
REINFORCING STEEL PLACEMENT		●		C2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C2	
ANCHORS CAST IN CONCRETE	●			C3. PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST.
VERIFYING REQUIRED DESIGN MIX		●		C4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.
CONCRETE PLACEMENT / SAMPLING	●		REFERENCE NOTE C3	C5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT AND ACI 318: 17.8.2.4.
CURING TEMPERATURE / TECHNIQUES		●		C6. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F.
CONCRETE AND SHOTCRETE PLACEMENT / APPLICATION TECHNIQUES	●			C7. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.
VERIFICATION OF IN-SITU STRENGTH		●	REFERENCE NOTE C4	C8. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR FORMWORK SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
POST-INSTALLED ANCHOR PLACEMENT	●	●	REFERENCE NOTE C5	
FORMWORK		●	REFERENCE NOTE C8	
MASONRY CONSTRUCTION (IBC 1705.4)			SEE TMS 402/ACI 550 TABLE 1.19.2 (NON-ESSENTIAL)	M1. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 IN ACCORDANCE WITH ANSI / AWS D1.4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
AS MASONRY CONSTRUCTION BEGINS, VERIFY:				M2. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR ESSENTIAL FACILITIES (TMS 602-16/ACI 530.1 TABLE 3).
SITE PREPARED MORTAR		●		M3. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.
MORTAR JOINTS		●		
REINFORCEMENT / CONNECTORS		●		
PRE-STRESSING TECHNIQUES		●		
GRADE & SIZE OF TENDONS & ANCHORAGES		●		
INSPECTION SHALL VERIFY:				
SIZE & LOCATION OF STRUCTURAL ELEMENTS		●		
TYPE, SIZE, & LOCATION OF ANCHORS		●	REFERENCE NOTE M2	
SIZE, GRADE & TYPE OF REINFORCEMENT		●		
WELDING OF REINFORCING BARS	●		REFERENCE NOTE M1	
HOT OR COLD WEATHER PROTECTION		●		
MEASUREMENT OF PRE-STRESSING FORCE		●	REFERENCE NOTE M2	
PRIOR TO GROUTING, VERIFY:				
CLEAN GROUT SPACE		●	REFERENCE NOTE M2	
PLACEMENT OF REINFORCEMENT CONNECTORS, TENDONS AND ANCHORS.		●		
PROPORTIONS OF SITE PREPARED GROUT		●		
CONSTRUCTION OF MORTAR JOINTS		●		
GROUT PLACEMENT	●			
PREPARATION OF TEST SPECIMENS / PRISMS	●			
COMPLIANCE W/ CONST. DOCS. / SUBMITTALS		●		
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●	REFERENCE NOTE M3	
VERIFICATION OF f'm AND f'aac		●		
SELF CONSOLIDATING GROUT:				
VERIFY SLUMP FLOW AND VSI	●			
SOILS (IBC 1705.6)			REFERENCE NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED GEOTECHNICAL REPORT TO DETERMINE COMPLIANCE. WHERE GEOTECHNICAL REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	F2.
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	F3. CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING FILL PLACEMENT. VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
FILL MATERIAL AND PLACEMENT	●		REFERENCE NOTE F3	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	

GENERAL SPECIAL INSPECTION NOTES :

1. THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)

COLD-FORMED STEEL DECK SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2021 IBC SECTION 1705.2.2 AND SDI QA/QC

	INSTALLER QUALITY CONTROL		SPECIAL INSPECTOR QUALITY ASSURANCE	
INSPECTION TASKS PRIOR TO DECK PLACEMENT (TABLE 1.1)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	●		●	
INSPECTION TASKS AFTER DECK PLACEMENT (TABLE 1.2)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	●		●	
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	●		●	
INSPECTION TASKS PRIOR TO WELDING (TABLE 1.3)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE		●		●
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE		●		●
MATERIAL IDENTIFICATION (TYPE/GRADE)		●		●
CHECK WELDING EQUIPMENT		●		●
INSPECTION TASKS DURING WELDING (TABLE 1.4)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
USE OF QUALIFIED WELDERS				
CONTROL AND HANDLING OF WELDING CONSUMABLES		●		●
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)		●		●
WPS FOLLOWED		●		●
INSPECTION TASKS AFTER WELDING (TABLE 1.5)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
VERIFY SIZE AND LOCATIONS OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	●		●	
WELDS MEET VISUAL ACCEPTANCE CRITERIA	●		●	
VERIFY REPAIR ACTIVITIES	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	●		●	
INSPECTION TASKS PRIOR TO MECHANICAL FASTENING (TABLE 1.6)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS		●		●
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION		●		●
PROPER STORAGE FOR MECHANICAL FASTENERS		●		●
INSPECTION TASKS DURING MECHANICAL FASTENING (TABLE 1.7)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
FASTENERS ARE POSITIONED AS REQUIRED		●		●
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS		●		●
INSPECTION TASKS AFTER MECHANICAL FASTENING (TABLE 1.8)	**CONTINUOUS**	**PERIODIC**	**CONTINUOUS**	**PERIODIC**
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	●		●	
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	●		●	
CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	●		●	
VERIFY REPAIR ACTIVITIES	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	●		●	

NOTES

1. PERIODIC - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-CONFORMANCE.
2. CONTINUOUS - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
3. WITHIN THE LISTED TASKS, "DOCUMENT" SHALL MEAN THE INSPECTOR SHALL PREPARE REPORTS OR OTHER APPROPRIATE WRITTEN DOCUMENTATION INDICATING THAT THE WORK HAS OR HAS NOT BEEN PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

GENERAL STEEL DECK SPECIAL INSPECTION NOTES :

1. QUALITY CONTROL TASKS SHALL BE PERFORMED BY THE INSTALLER'S QUALITY CONTROL INSPECTOR (QCI).
2. FOR QUALITY CONTROL INSPECTION, THE CONSTRUCTION DOCUMENTS, INSTALLATION DRAWINGS, SHOP DRAWINGS, DESIGN DOCUMENTS AND THE APPLICABLE REFERENCED STANDARDS SHALL BE UTILIZED.
3. QUALITY ASSURANCE INSPECTION OF THE DECK SHALL BE MADE AT THE PROJECT SITE. THE OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION SHALL SCHEDULE THIS WORK WITH THE QUALITY ASSURANCE INSPECTOR (QAI) AND THE INSTALLER TO MINIMIZE INTERRUPTIONS TO THE WORK OF THE INSTALLER.
4. THE QAI SHALL REVIEW THE MATERIALS TEST REPORTS AND CERTIFICATIONS LISTED IN SECTION 2.2 OF SDI QA/QC FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.
5. QUALITY ASSURANCE TASKS SHALL BE PERFORMED BY THE QAI.
6. WHERE A TASK IS TO BE PERFORMED BY BOTH QA AND QC, IT SHALL BE PERMITTED TO COORDINATE INSPECTION FUNCTIONS BETWEEN THE QCI AND QAI SO THAT THE INSPECTIONS ARE PERFORMED BY ONLY ONE PARTY WHEN APPROVED IN ADVANCE BY THE OWNER, DESIGNER , AND AHJ. WHEN QA TASKS ARE PERFORMED ONLY BY THE QCI, EACH INSPECTION IS TO BE DOCUMENTED IN A REPORT AND THE QAI SHALL PERIODICALLY REVIEW THE WORK OF THE QCI AT AN INTERVAL ACCEPTABLE TO THE OWNER, DESIGNER, AND THE AHJ.
7. IN THE EVENT THAT THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS CONFLICT WITH THE INSTALLATION DRAWINGS OR SHOP DRAWINGS, THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS SHALL GOVERN.
8. IDENTIFICATION AND REJECTION OF MATERIALS AND WORKMANSHIP NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS SHALL BE PERMITTED AT ANY TIME DURING PROGRESS OF OR FOLLOWING THE COMPLETION OF THE WORK. HOWEVER, THIS PROVISION SHALL NOT RELIEVE THE OWNER OR THE INSPECTOR OF THE OBLIGATION FOR TIMELY, IN-SEQUENCE INSPECTIONS. NONCONFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS DESIGNATED REPRESENTATIVE FOR CONSTRUCTION AND THE DECK INSTALLER. NONCONFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT IN CONFORMANCE, OR MADE SUITABLE FOR ITS INTENDED PURPOSE AS DETERMINED BY THE DESIGNER.

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HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

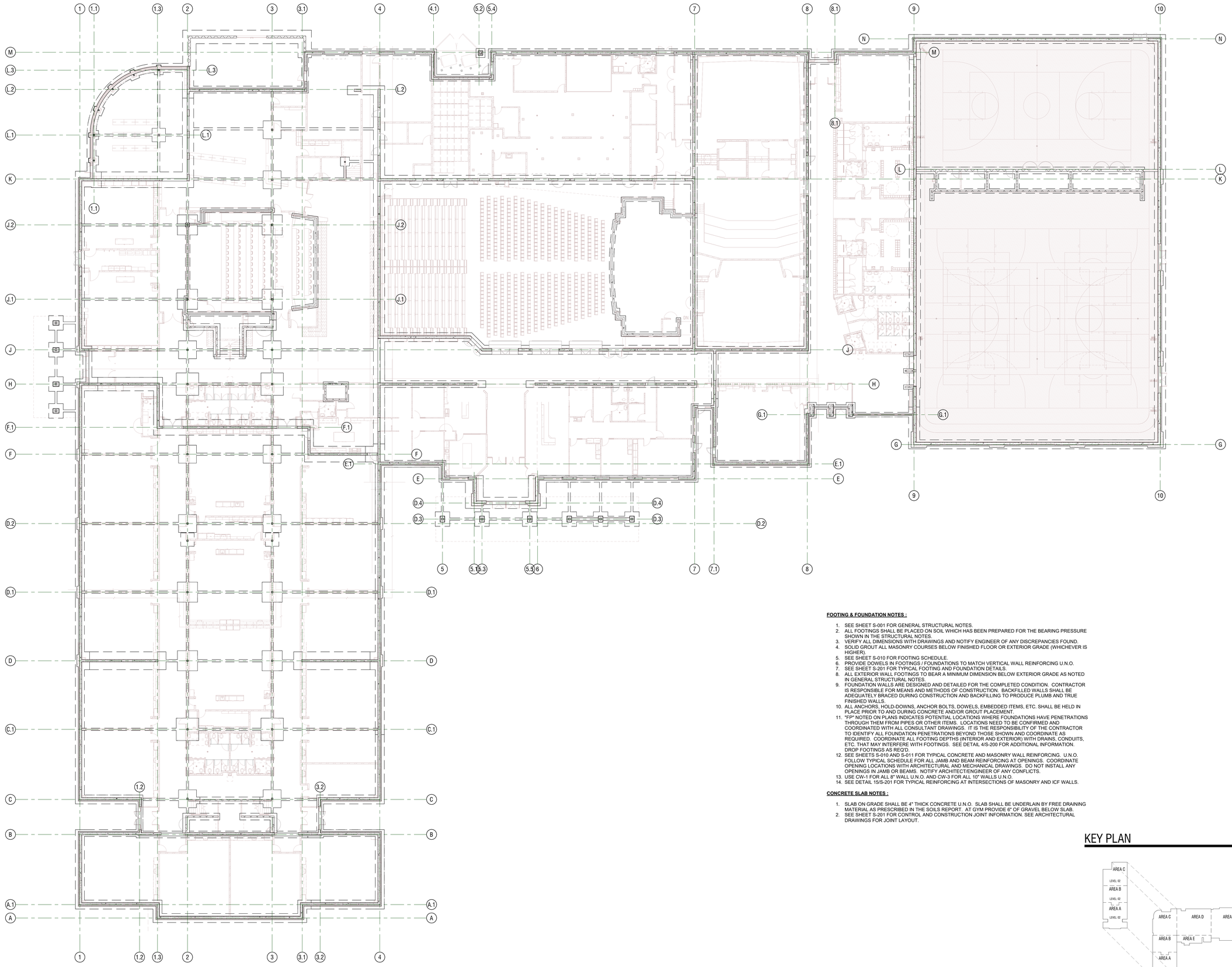
DESCRIPTION:
DATE:
MARK:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

SCHEDULES

S-013

3/14/2024 10:43:49 AM



FOOTING AND FOUNDATION PLAN - OVERALL

SCALE : 1/16" = 1'-0"

A
S-110

FOOTING & FOUNDATION NOTES :

1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
3. VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
4. SOLID GROUT ALL MASONRY COURSES BELOW FINISHED FLOOR OR EXTERIOR GRADE (WHICHEVER IS HIGHER).
5. SEE SHEET S-010 FOR FOOTING SCHEDULE.
6. PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
7. SEE SHEET S-201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
8. ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
9. FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
10. ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
11. "FP" NOTED ON PLANS INDICATES POTENTIAL LOCATIONS WHERE FOUNDATIONS HAVE PENETRATIONS THROUGH THEM FROM PIPES OR OTHER ITEMS. LOCATIONS NEED TO BE CONFIRMED AND COORDINATED WITH ALL CONSULTANT DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL FOUNDATION PENETRATIONS BEYOND THOSE SHOWN AND COORDINATE AS REQUIRED. COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS. SEE DETAIL 4/S-200 FOR ADDITIONAL INFORMATION. DROP FOOTINGS AS REQ'D.
12. SEE SHEETS S-010 AND S-911 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCING. U.N.O. FOLLOW TYPICAL SCHEDULE FOR ALL JAMB AND BEAM REINFORCING AT OPENINGS. COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. DO NOT INSTALL ANY OPENINGS IN JAMB OR BEAMS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS.
13. USE CW-1 FOR ALL 8" WALL U.N.O. AND CW-3 FOR ALL 10" WALLS U.N.O.
14. SEE DETAIL 15/S-201 FOR TYPICAL REINFORCING AT INTERSECTIONS OF MASONRY AND ICF WALLS.

CONCRETE SLAB NOTES :

1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT. AT GYM PROVIDE 6" OF GRAVEL BELOW SLAB.
2. SEE SHEET S-201 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION. SEE ARCHITECTURAL DRAWINGS FOR JOINT LAYOUT.

KEY PLAN

TO BE DETERMINED

35% CONSTRUCTION DOCUMENTS

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HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
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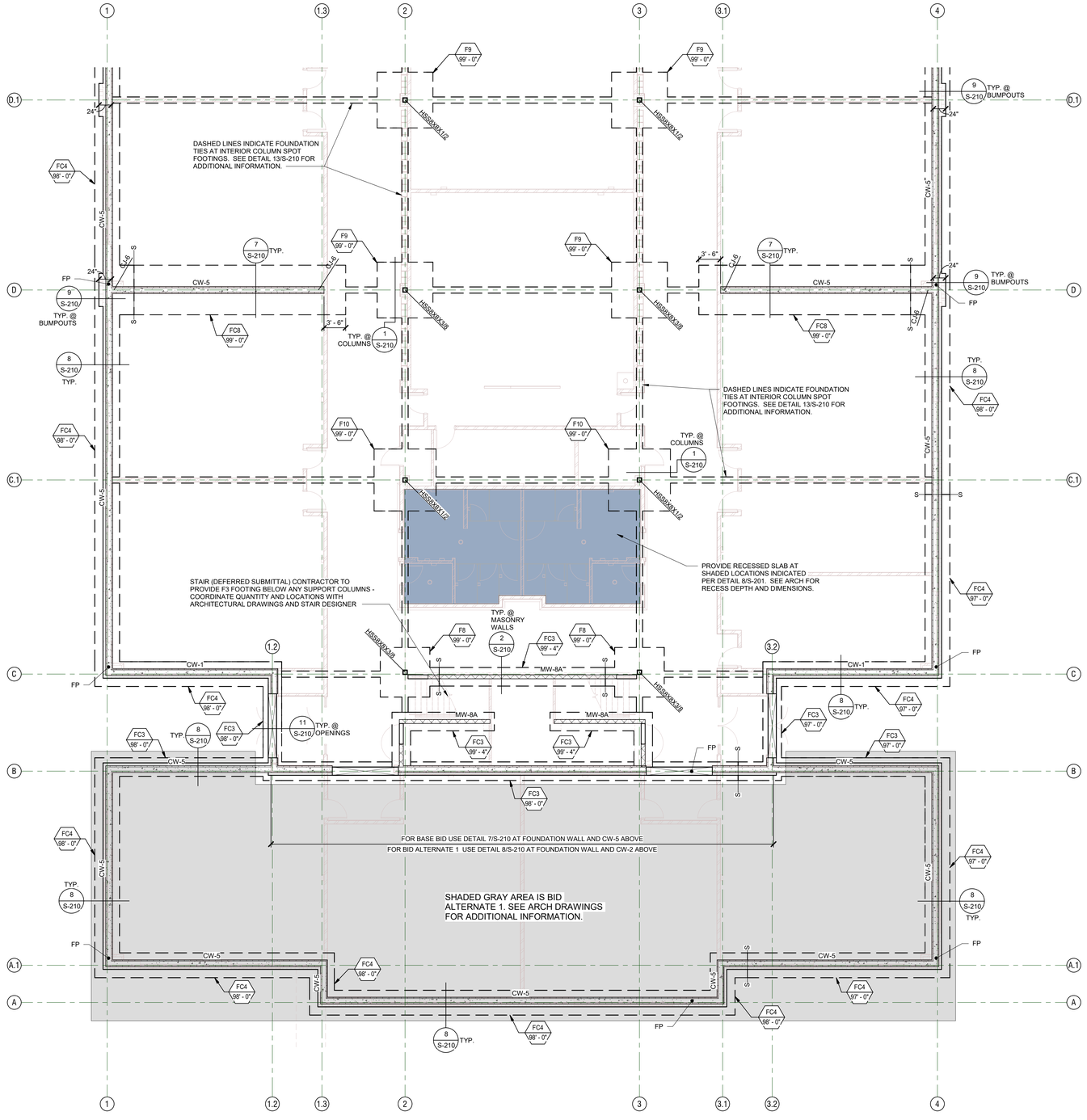
FOOTING AND FOUNDATION PLAN - OVERALL

S-110

3/14/2024 1:52:12 PM



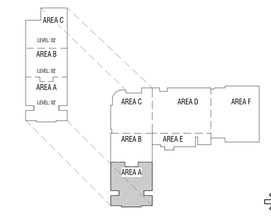
FOOTING AND FOUNDATION PLAN - AREA A

SCALE : 1/8" = 1'-0"

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

A / S-111

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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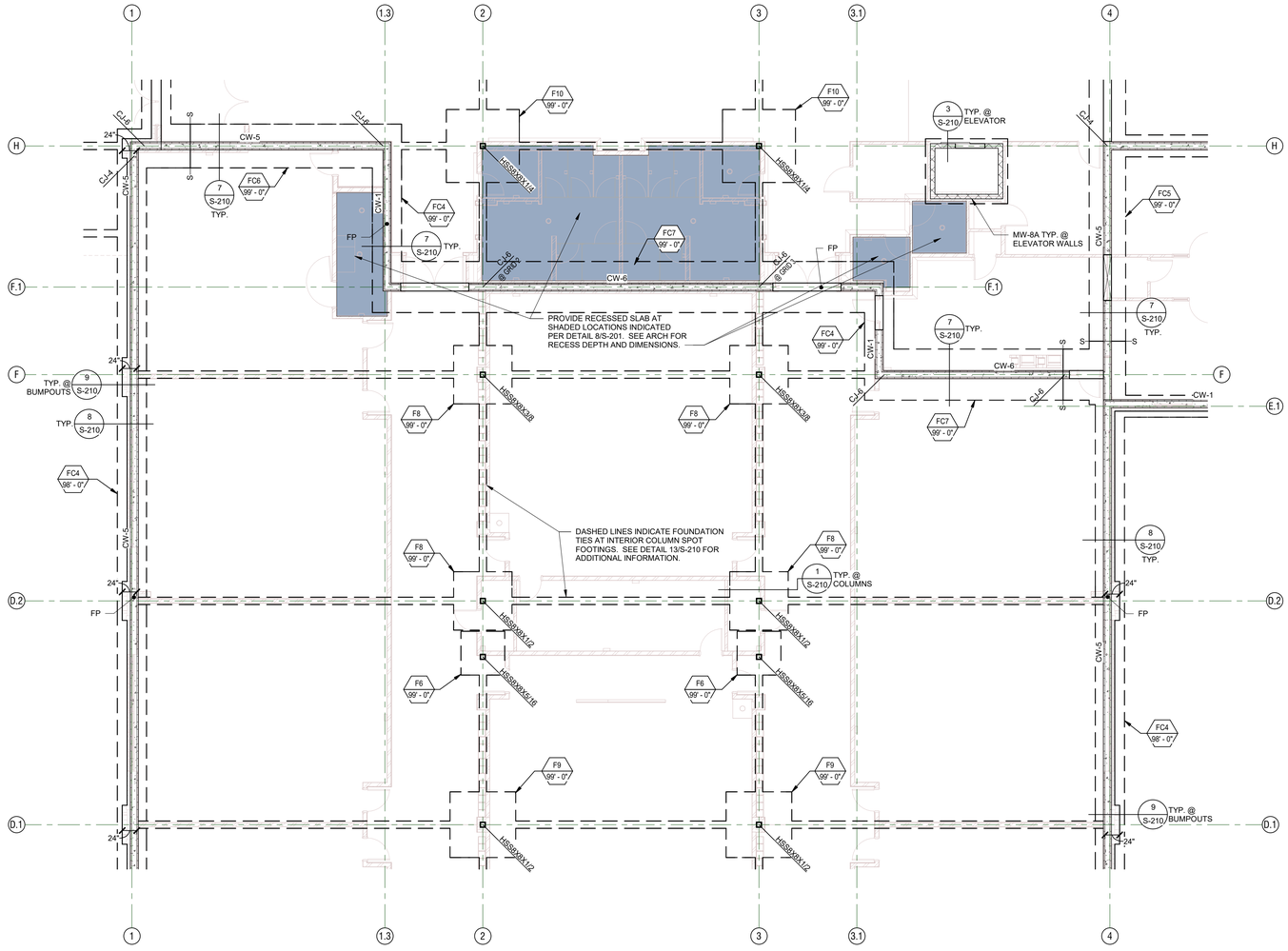
FOOTING AND FOUNDATION PLAN - AREA A

S-111

3/14/2024 12:13 PM



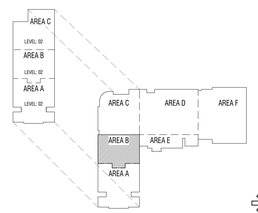
FOOTING AND FOUNDATION PLAN - AREA B

SCALE : 1/8" = 1'-0"

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

A S-112

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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FOOTING AND FOUNDATION PLAN - AREA B

S-112

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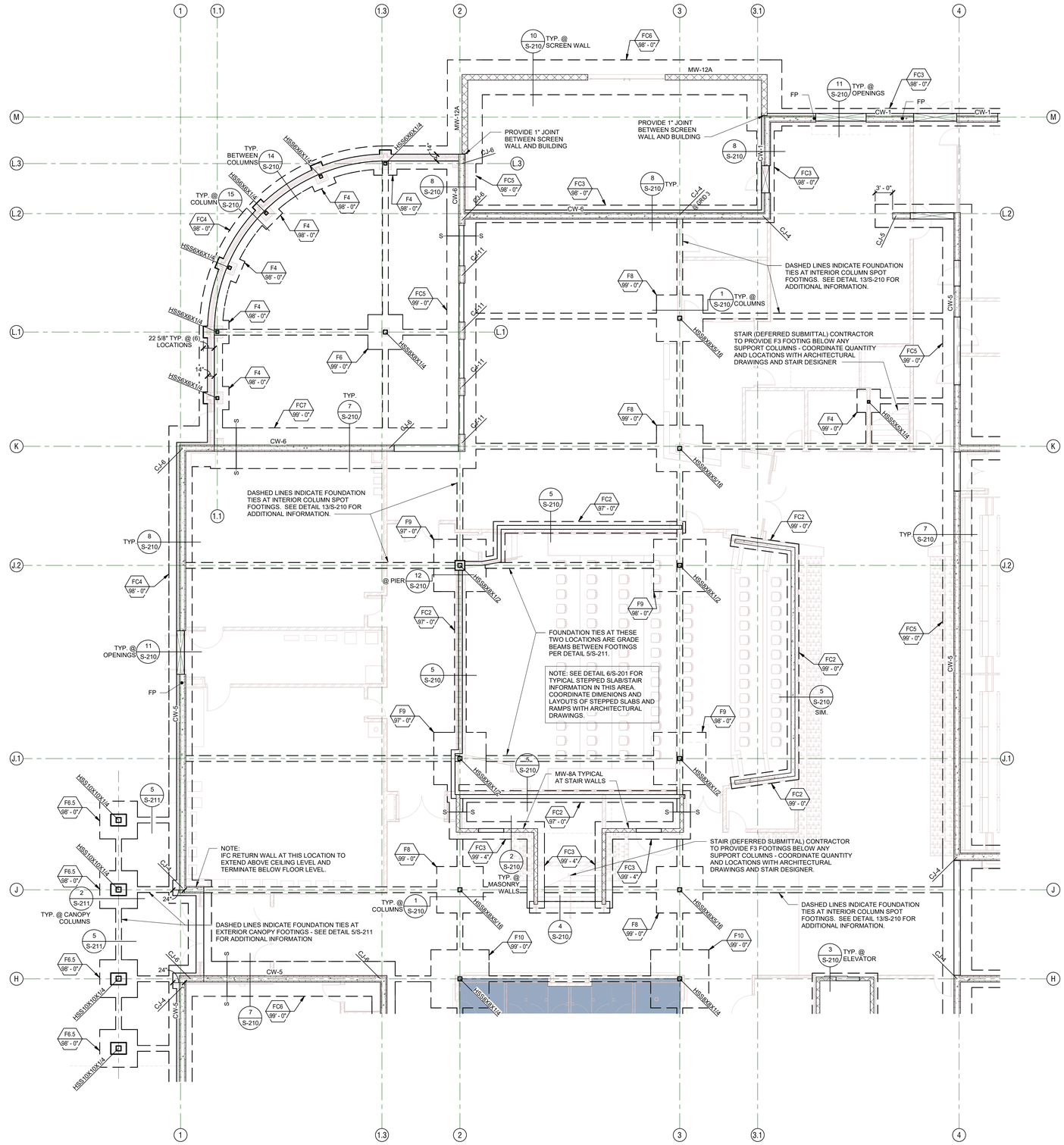


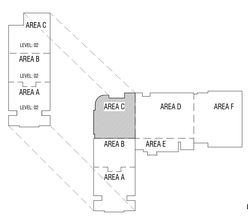
FOOTING AND FOUNDATION PLAN - AREA C

SCALE : 1/8" = 1'-0"

A S-113

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

KEY PLAN



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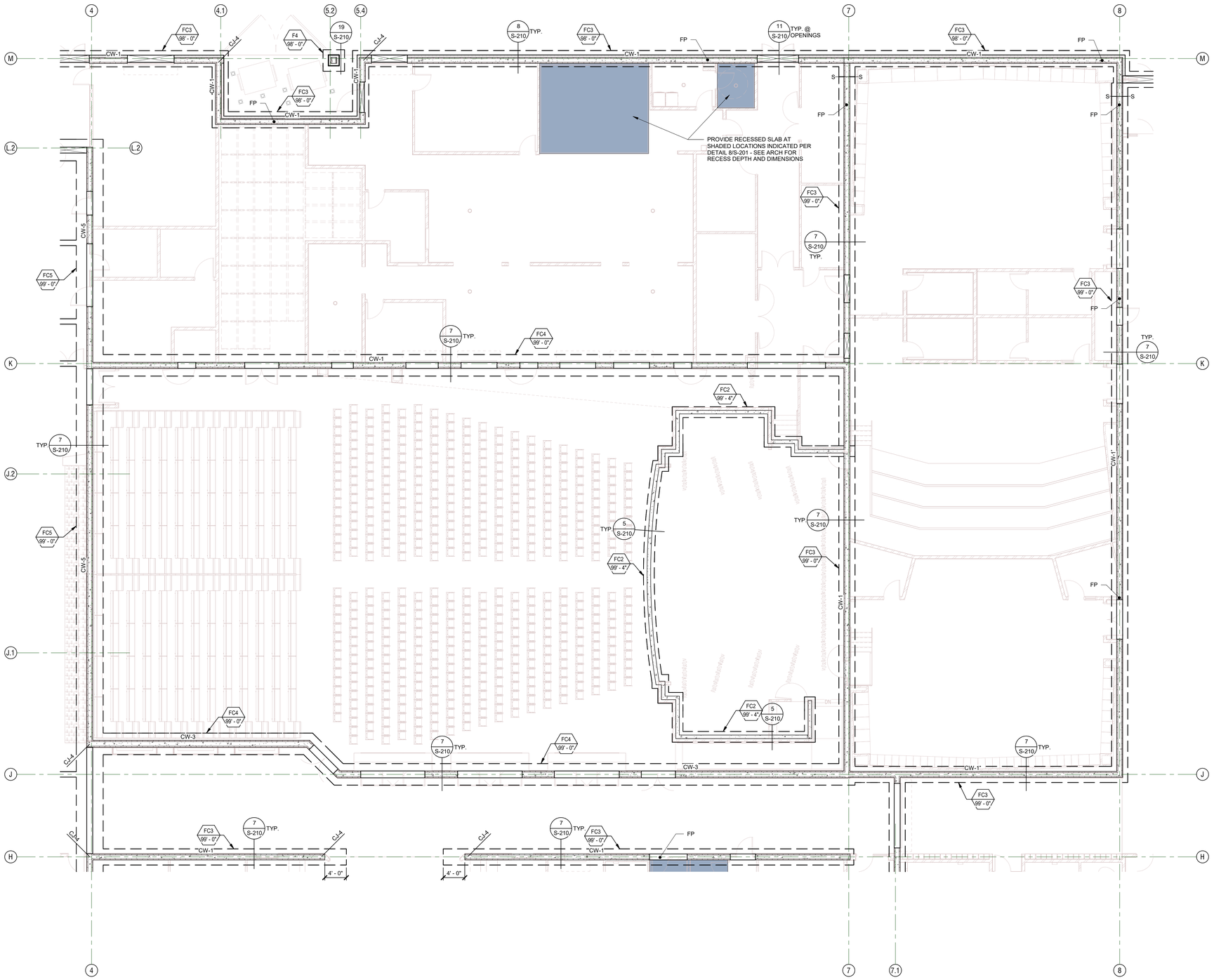
FOOTING AND FOUNDATION PLAN - AREA C

S-113

3/14/2024 1:52:14 PM



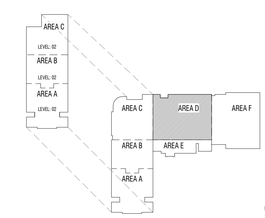
FOOTING AND FOUNDATION PLAN - AREA D

SCALE : 1/8" = 1'-0"

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

A S-114

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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PROJECT #:	123005
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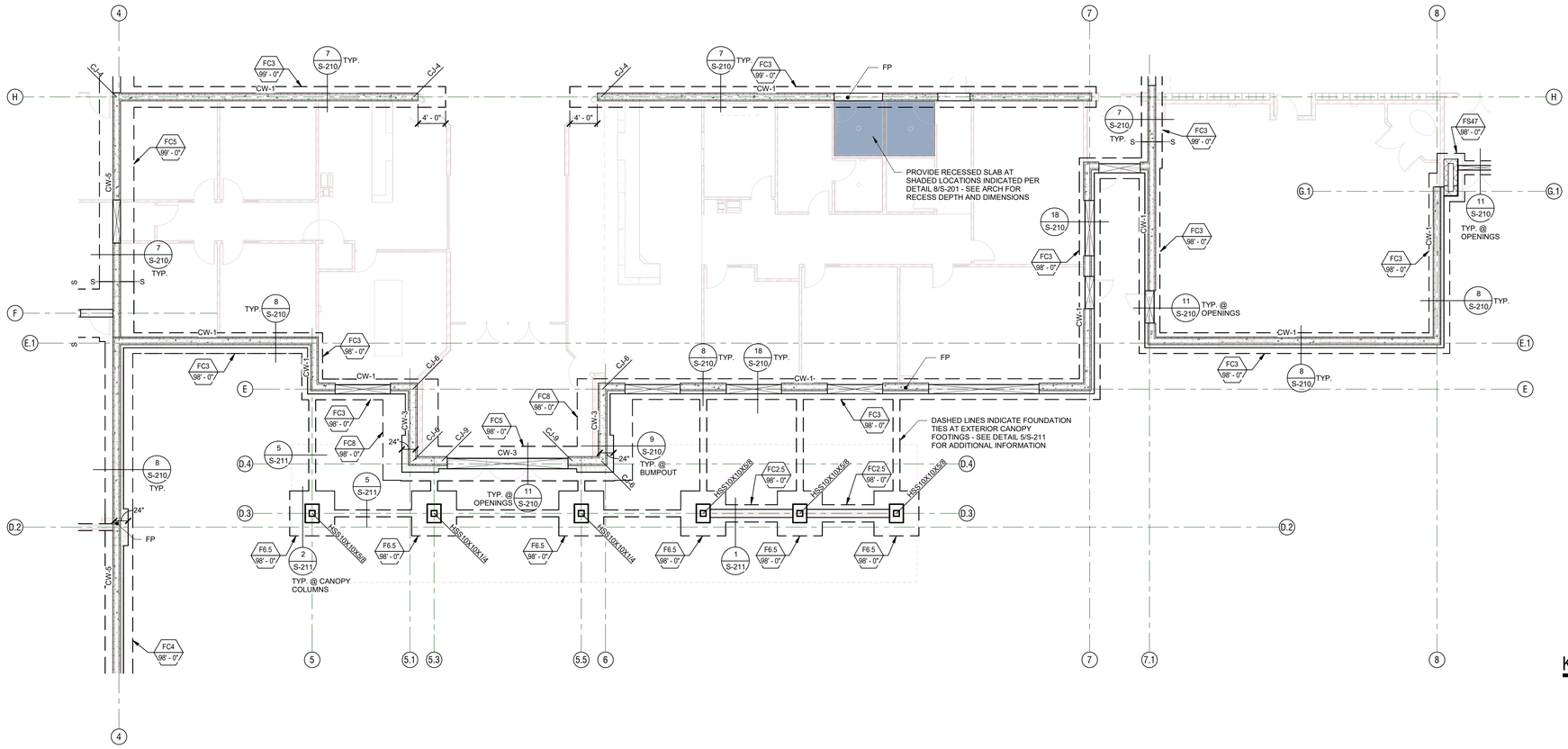
ISSUED:	03.14.2024

FOOTING AND FOUNDATION PLAN - AREA D

S-114

3/14/2024 1:52:17 PM



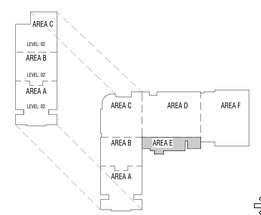
FOOTING AND FOUNDATION PLAN - AREA E

SCALE : 1/8" = 1'-0"

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

A S-115

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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FOOTING AND FOUNDATION PLAN - AREA E

S-115

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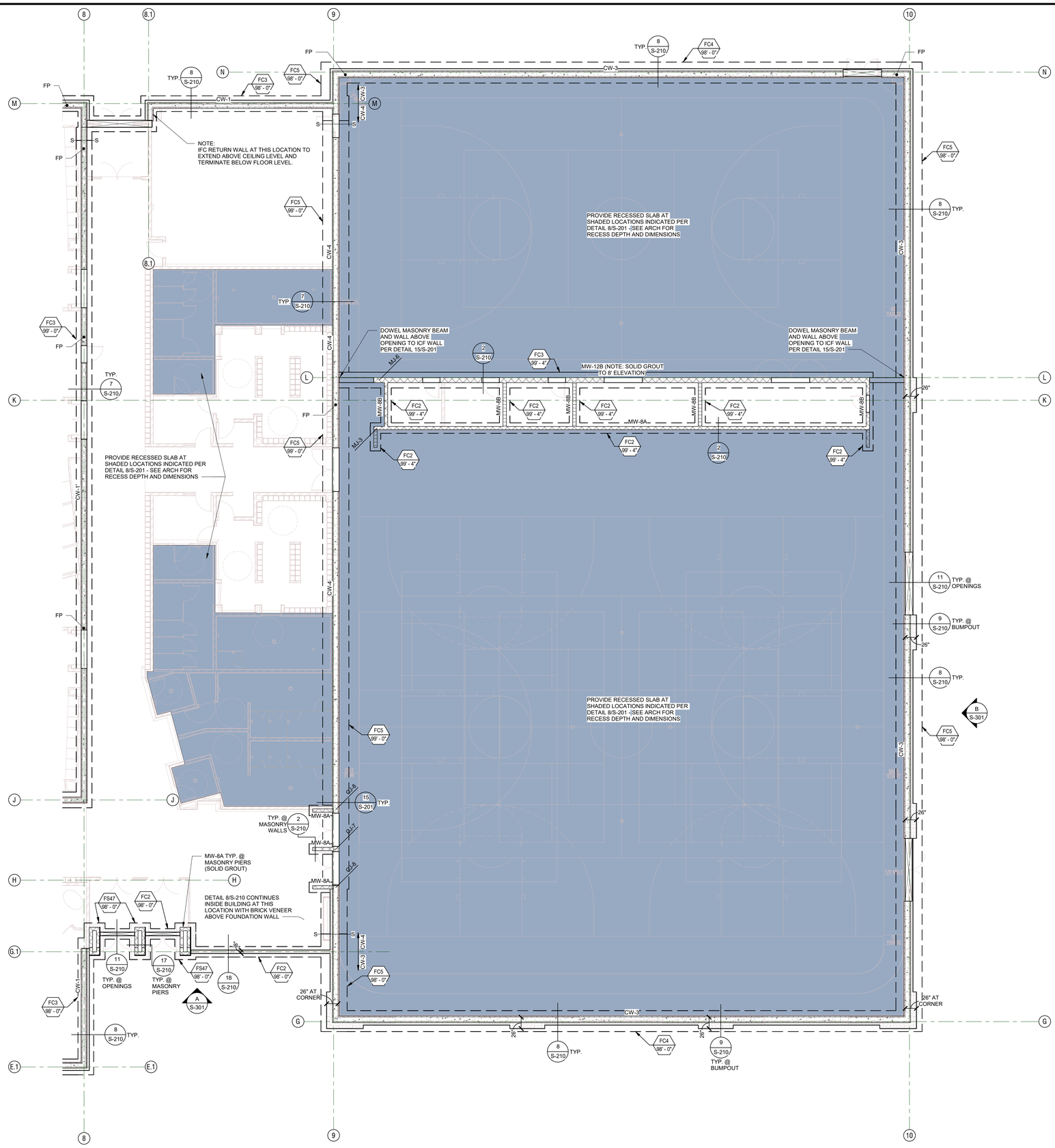


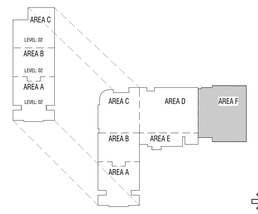
FOOTING AND FOUNDATION PLAN - AREA F

SCALE : 1/8" = 1'-0"

SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES

A S-116

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

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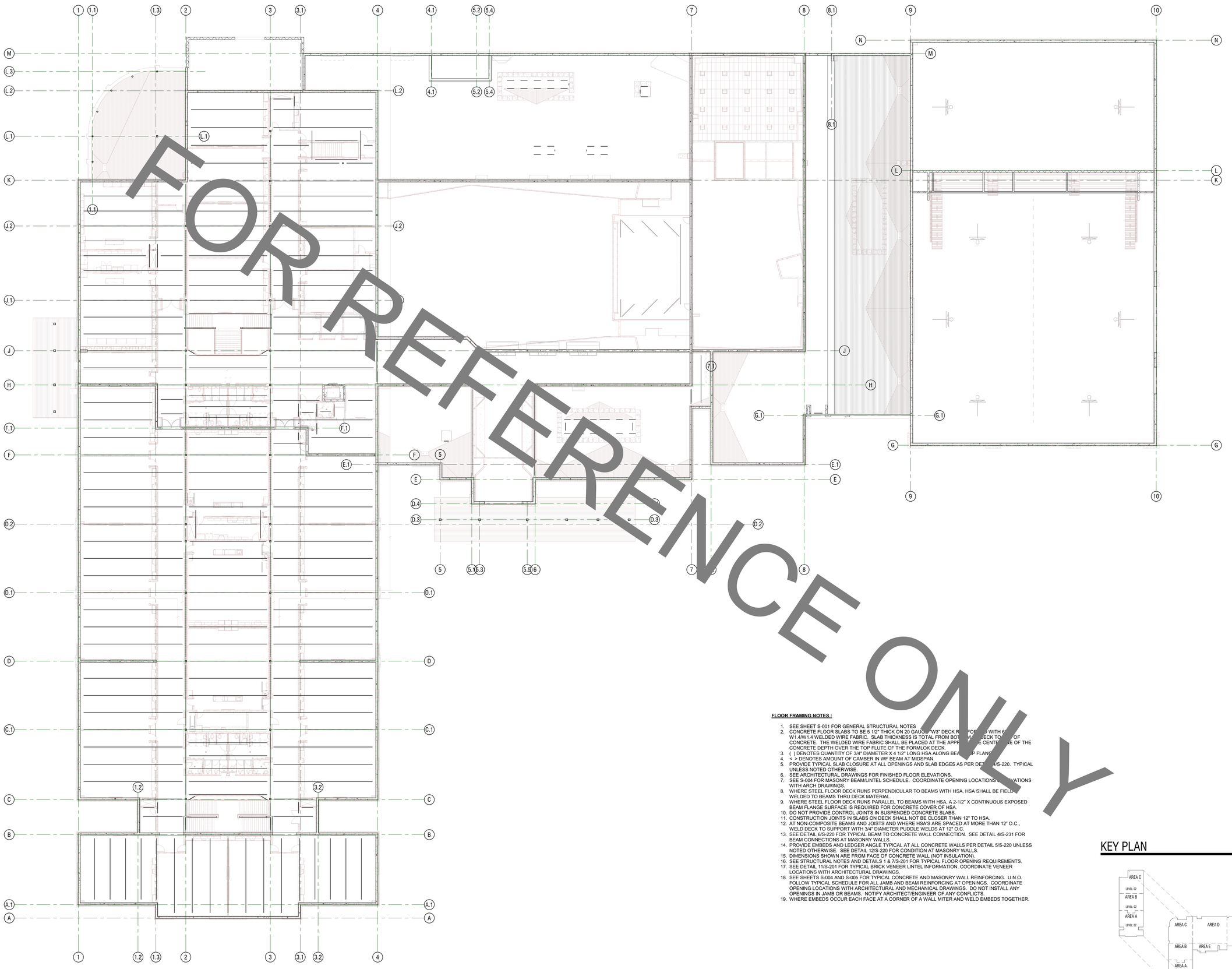
FOOTING AND FOUNDATION PLAN - AREA F

S-116

3/14/2024 10:18 PM



FOR REFERENCE ONLY

FLOOR FRAMING PLAN - OVERALL

SCALE : 1/16" = 1'-0"

A
S-120

FLOOR FRAMING NOTES :

1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES
2. CONCRETE FLOOR SLABS TO BE 5 1/2" THICK ON 20 GAUGE "W3" DECK REINFORCED WITH 6x6 W1.4/W1.4 WELDED WIRE FABRIC. SLAB THICKNESS IS TOTAL FROM BOTTOM OF DECK TO TOP OF CONCRETE. THE WELDED WIRE FABRIC SHALL BE PLACED AT THE APPROXIMATE CENTERLINE OF THE CONCRETE DEPTH OVER THE TOP FLUTE OF THE FORMLOK DECK.
3. ( ) DENOTES QUANTITY OF 3/4" DIAMETER X 4 1/2" LONG HSA ALONG BEAM TOP FLANGE
4. < > DENOTES AMOUNT OF CAMBER IN WF BEAM AT MIDSPAN.
5. PROVIDE TYPICAL SLAB CLOSURE AT ALL OPENINGS AND SLAB EDGES AS PER DETAIL 4/S-220. TYPICAL UNLESS NOTED OTHERWISE.
6. SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.
7. SEE S-004 FOR MASONRY BEAM/LINTEL SCHEDULE. COORDINATE OPENING LOCATIONS AND ELEVATIONS WITH ARCH DRAWINGS.
8. WHERE STEEL FLOOR DECK RUNS PERPENDICULAR TO BEAMS WITH HSA, HSA SHALL BE FIELD WELDED TO BEAMS THRU DECK MATERIAL.
9. WHERE STEEL FLOOR DECK RUNS PARALLEL TO BEAMS WITH HSA, A 2-1/2" X CONTINUOUS EXPOSED BEAM FLANGE SURFACE IS REQUIRED FOR CONCRETE COVER OF HSA.
10. DO NOT PROVIDE CONTROL JOINTS IN SUSPENDED CONCRETE SLABS.
11. CONSTRUCTION JOINTS IN SLABS ON DECK SHALL NOT BE CLOSER THAN 12" TO HSA.
12. AT NON-COMPOSITE BEAMS AND JOISTS AND WHERE HSA'S ARE SPACED AT MORE THAN 12" O.C., WELD DECK TO SUPPORT WITH 3/4" DIAMETER PUDDLE WELDS AT 12" O.C.
13. SEE DETAIL 6/S-220 FOR TYPICAL BEAM TO CONCRETE WALL CONNECTION. SEE DETAIL 4/S-231 FOR BEAM CONNECTIONS AT MASONRY WALLS.
14. PROVIDE EMBEDS AND LEDGER ANGLE TYPICAL AT ALL CONCRETE WALLS PER DETAIL 5/S-220 UNLESS NOTED OTHERWISE. SEE DETAIL 12/S-220 FOR CONDITION AT MASONRY WALLS.
15. DIMENSIONS SHOWN ARE FROM FACE OF CONCRETE WALL (NOT INSULATION).
16. SEE STRUCTURAL NOTES AND DETAILS 1 & 7/S-201 FOR TYPICAL FLOOR OPENING REQUIREMENTS.
17. SEE DETAIL 11/S-201 FOR TYPICAL BRICK VENEER LINTEL INFORMATION. COORDINATE VENEER LOCATIONS WITH ARCHITECTURAL DRAWINGS.
18. SEE SHEETS S-004 AND S-005 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCING. U.N.O. FOLLOW TYPICAL SCHEDULE FOR ALL JAMB AND BEAM REINFORCING AT OPENINGS. COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. DO NOT INSTALL ANY OPENINGS IN JAMB OR BEAMS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS.
19. WHERE EMBEDS OCCUR EACH FACE AT A CORNER OF A WALL MITER AND WELD EMBEDS TOGETHER.

KEY PLAN

TO BE DETERMINED

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SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

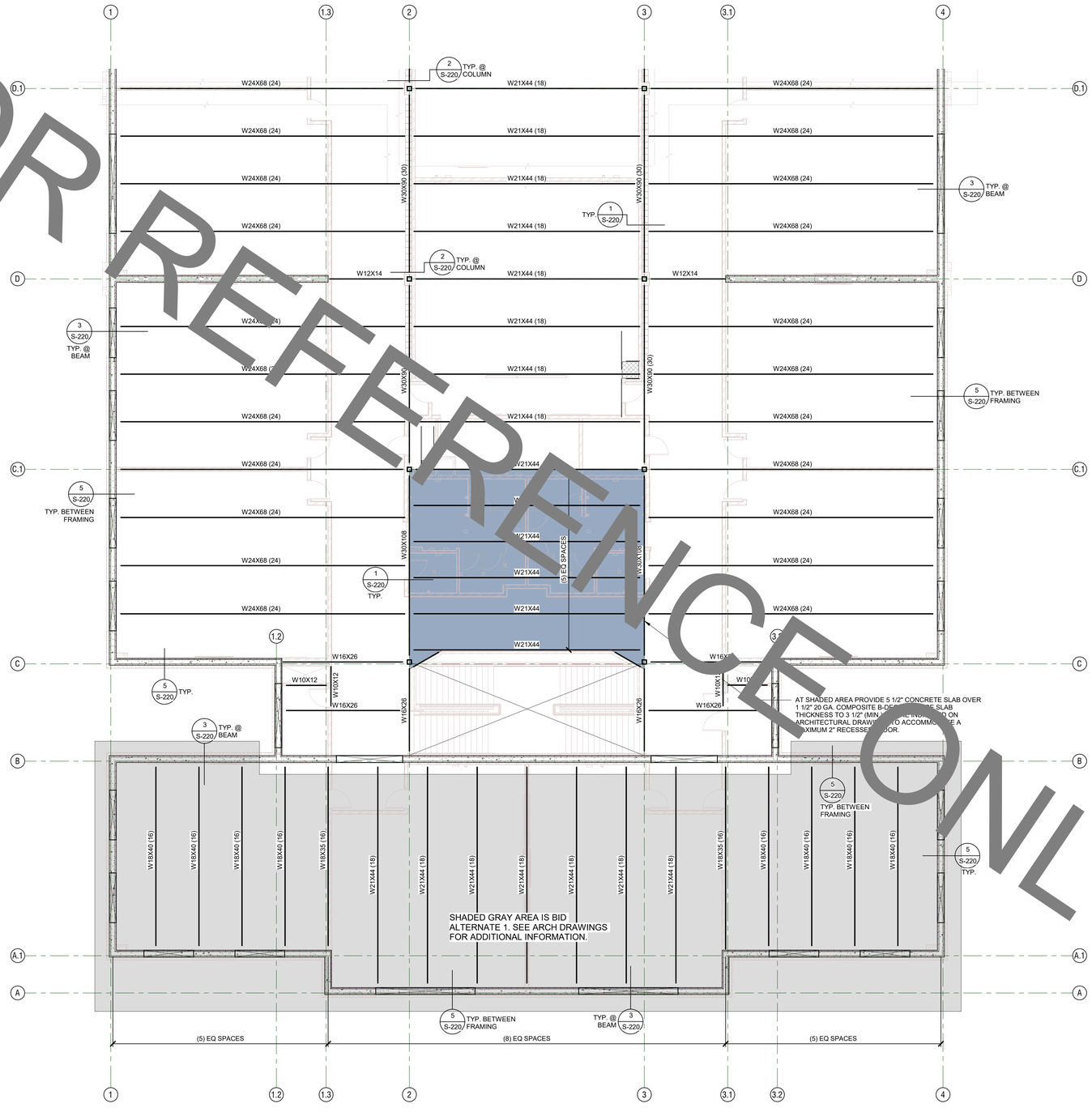
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

FLOOR FRAMING PLAN - OVERALL

S-120

3/14/2024 9:43:59 AM



FOR REFERENCE ONLY

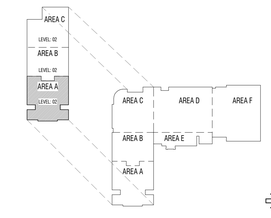
FLOOR FRAMING PLAN - AREA A

SCALE : 1/8" = 1'-0"

SEE SHEET S-120 FOR FLOOR FRAMING NOTES

A S-121

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
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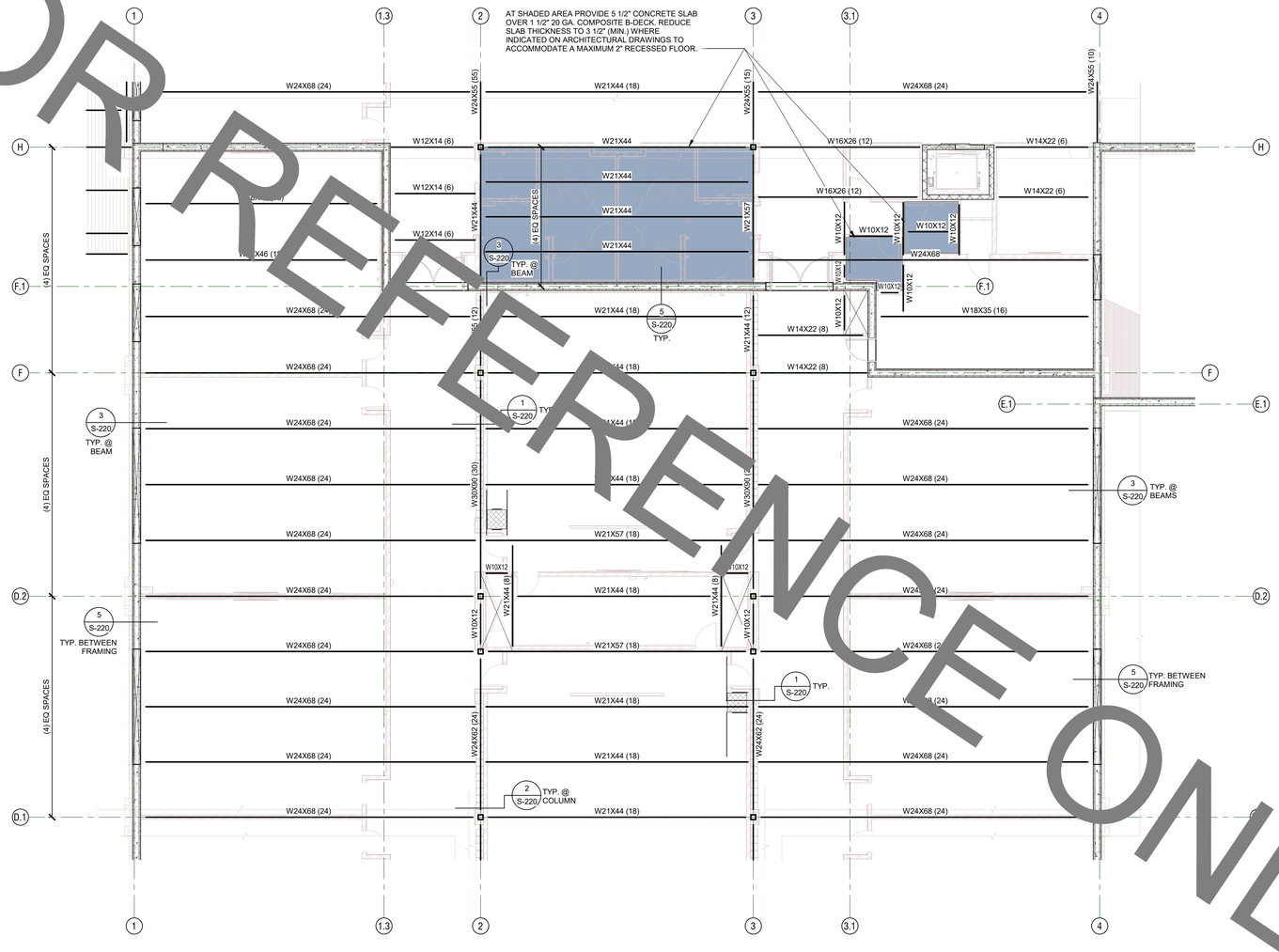
CHECKED BY:	J. Blazzard
ISSUED:	03.14.2024

FLOOR FRAMING PLAN - AREA A

S-121

3/14/2024 10:43:57 AM



FOR REFERENCE ONLY

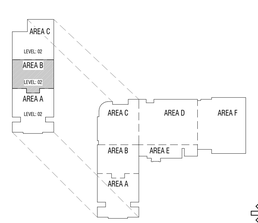
FLOOR FRAMING PLAN - AREA B

SCALE : 1/8" = 1'-0"

SEE SHEET S-120 FOR FLOOR FRAMING NOTES

A S-122

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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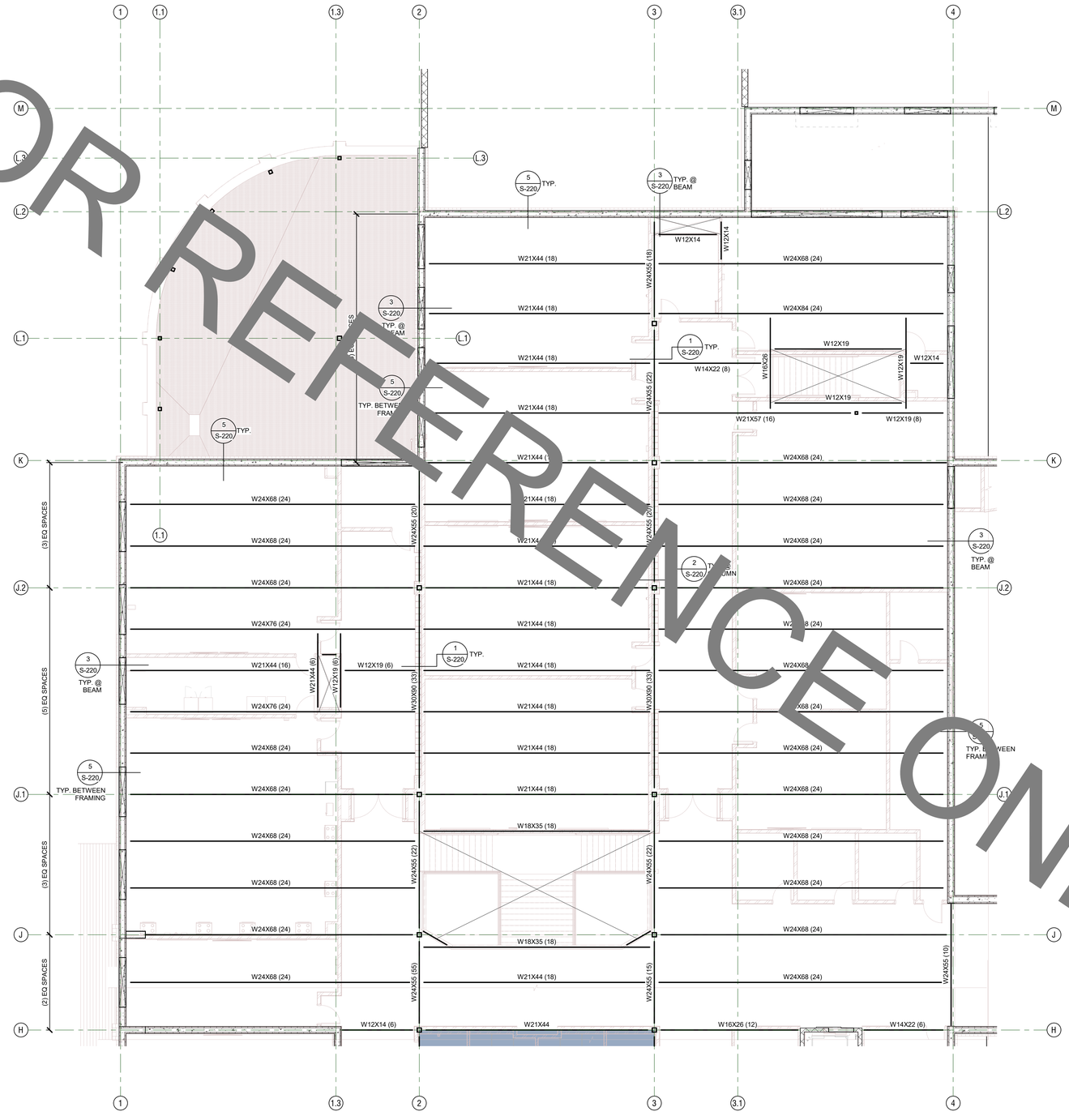
FLOOR FRAMING PLAN - AREA B

S-122

3/14/2024 10:43:57 AM



FOR REFERENCE ONLY

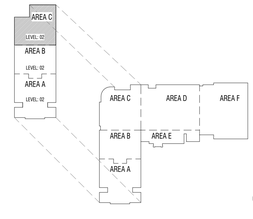
FLOOR FRAMING PLAN - AREA C

SCALE : 1/8" = 1'-0"

A S-123

SEE SHEET S-120 FOR FLOOR FRAMING NOTES

KEY PLAN



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HYDE PARK MIDDLE SCHOOL

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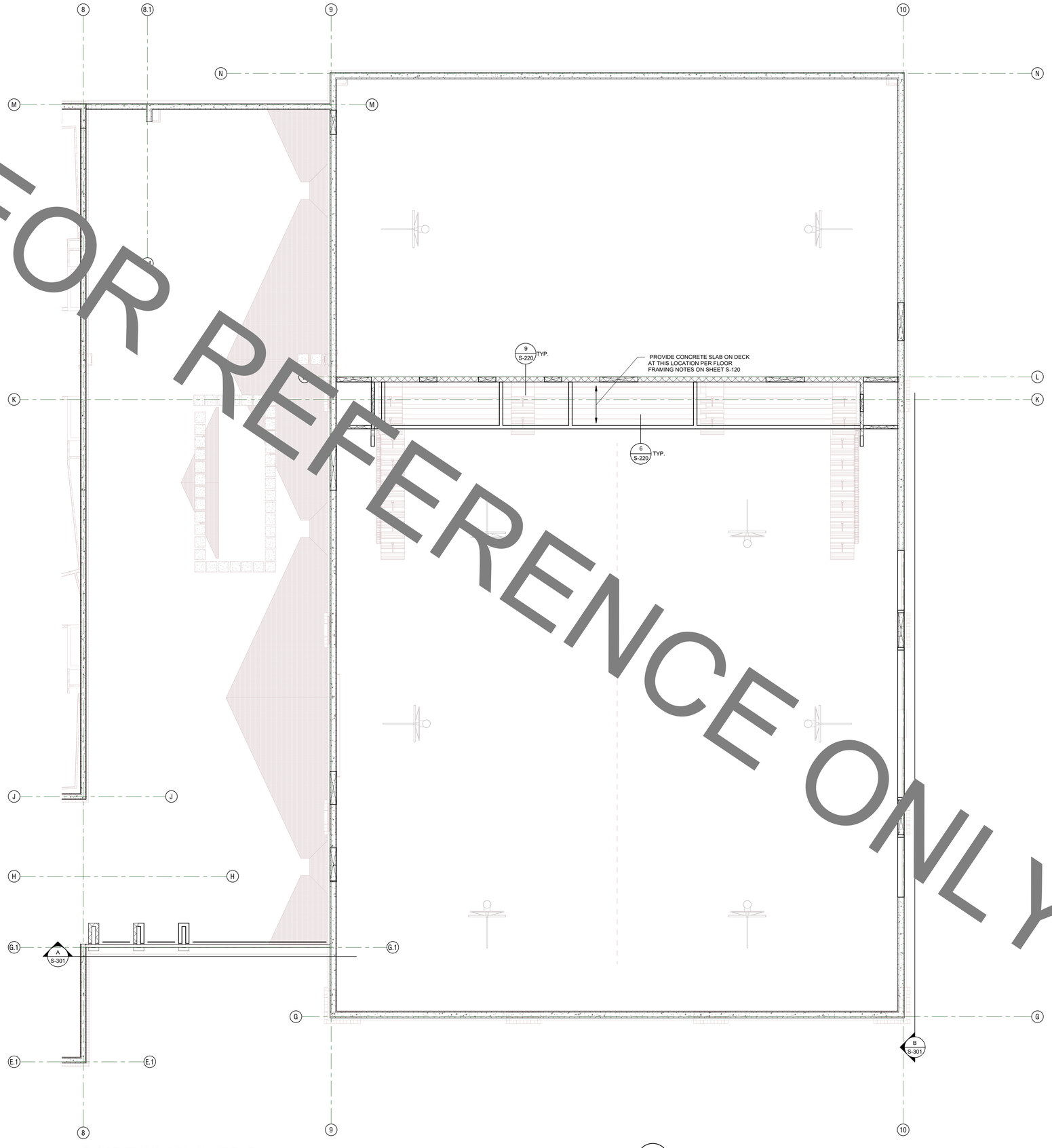
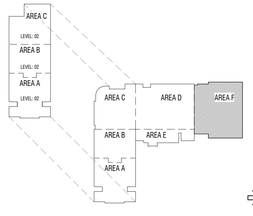
FLOOR FRAMING PLAN - AREA C

S-123

3/14/2024 10:43:08 AM



KEY PLAN



TO BE DETERMINED

FLOOR FRAMING PLAN - AREA F

SCALE : 1/8" = 1'-0"

SEE SHEET S-120 FOR FLOOR FRAMING NOTES

A
S-124

BID PACKAGE 1

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255 SOUTH 300 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

FLOOR FRAMING PLAN - AREA F

S-124

3/14/2024 10:43:59 AM

ROOF FRAMING NOTES :

1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. GENERAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT WEIGHTS, DIMENSIONS, AND LOCATIONS W/ MECHANICAL AND REFRIGERATION CONTRACTORS PRIOR TO ORDERING/FABRICATING JOISTS.
3. (### / ###) DENOTES APPLIED TOTAL AND LIVE UNIFORMLY DISTRIBUTED LOADS IN POUNDS PER LINEAR FOOT OF JOIST, RESPECTIVELY.
4. JOISTS SUPPORTING MECHANICAL EQUIPMENT SHALL BE DESIGNED FOR ADDITIONAL LOADS INDICATED.
5. SNOW DRIFT LOADS INDICATED ON FRAMING PLANS SHALL BE APPLIED IN ADDITION TO UNIFORM DISTRIBUTED LOADS INDICATED PER NOTE 3. DRIFT OCCURS ALONG ENTIRE LENGTH OF WALL UNLESS INDICATED OTHERWISE.
6. PROVIDE ADDED HORIZONTAL AND VERTICAL JOISTS LOADS WHERE SHOWN ON PLANS AND DETAILS. LOADS INDICATED ARE ASD (U.N.O.).
7. JOISTS AND GIRDERS SHALL BE DESIGNED FOR 14.7 PSF NET WIND UPLIFT (ASD).
8. SEE ROOF DECK SCHEDULE FOR REQUIRED DECK AND ATTACHMENTS.
9. SEE SHEET S-201 FOR OPENINGS IN ROOF DECK. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
10. CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND DECK ATTACHMENTS ARE COMPLETE.
11. CONCENTRATED LOADS FROM EQUIPMENT, PIPING, ETC., SHALL NOT BE HUNG FROM JOISTS EXCEPT AT PANEL POINTS AND AS APPROVED BY THE ENGINEER.
12. JOIST BRIDGING DESIGN AND LOCATION BY JOIST MANUFACTURER.
13. ANY CONCENTRATED LOAD ON JOIST CHORDS (INCLUDING FRAMING ANGLES) NOT LOCATED WITHIN 6" OF A PANEL POINT REQUIRE (2) L 2" X 2" X 1/4" FROM THE POINT LOAD TO THE NEAREST OPPOSITE CHORD PANEL POINT (CONTRACTOR SUPPLIED AND INSTALLED).
14. ANY ROOF SUPPORTED PIPING 6" OR LARGER RUNNING PARALLEL TO JOIST SHALL BE SUPPORTED BY TWO OR MORE JOISTS.
15. ALL JOISTS TO HAVE 5" BEARING SEAT.
16. DESIGN ALL JOISTS FOR 250lb ADD LOAD ANYWHERE ALONG JOIST TOP CHORD TO ACCOMMODATE MISCELLANEOUS EQUIPMENT.
17. BASKETBALL HOOP SUPPORT STRUCTURE TO BE DESIGNED AND SUPPLIED BY MANUFACTURER. CONTRACTOR TO VERIFY POINT LOAD MAGNITUDES AND SUBSTRUCTURE LOCATIONS WITH JOIST SUPPLIER.
18. SEE DETAIL 8/S-230 FOR TYPICAL JOIST TO CONCRETE WALL CONNECTION UNLESS NOTED OTHERWISE.
19. SEE DETAIL 13/S-230 FOR TYPICAL BEAM TO CONCRETE WALL CONNECTION UNLESS NOTED OTHERWISE. SEE DETAIL 4/S-231 FOR BEAM CONNECTIONS AT MASONRY WALLS.
20. PROVIDE EMBEDS AND LEDGER ANGLE TYPICAL ALONG ALL CONCRETE WALLS PER DETAIL 7/S-230 UNLESS NOTED OTHERWISE. SEE DETAILS 11/S-231 AND 12/S-231 FOR TYPICAL CONDITION AT MASONRY WALLS.
21. 'SS' INDICATES SEISMIC STRAP LOCATIONS. SEE DETAIL 1/S-231 FOR ADDITIONAL INFORMATION.
22. SEE DETAIL 11/S-201 FOR TYPICAL BRICK VENEER LINTEL INFORMATION. COORDINATE VENEER LOCATIONS WITH ARCHITECTURAL DRAWINGS.
23. SEE SHEETS S-004 AND S-005 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCING. U.N.O. FOLLOW TYPICAL SCHEDULE FOR ALL JAMB AND BEAM REINFORCING AT OPENINGS. COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. DO NOT INSTALL ANY OPENINGS IN JAMB OR BEAMS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS.
24. ——— REPRESENTS HORIZONTAL BRIDGING AT W-BEAM LOCATIONS.
    ——— REPRESENTS DIAGONAL BRIDGING LOCATIONS. SEE DETAIL 14/S-201 FOR ADDITIONAL INFORMATION. BRIDGING TO BE CENTERED IN BEAM SPAN UNLESS NOTED OTHERWISE.
25. SEE DETAIL 15/S-201 FOR PARAPET OVERHANG FRAMING DETAIL. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.

KEY PLAN

TO BE DETERMINED

BID PACKAGE 1

ROOF FRAMING PLAN - OVERALL

SCALE : 1/16" = 1'-0"

A
S-130

design west | architects
255 SOUTH 300 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

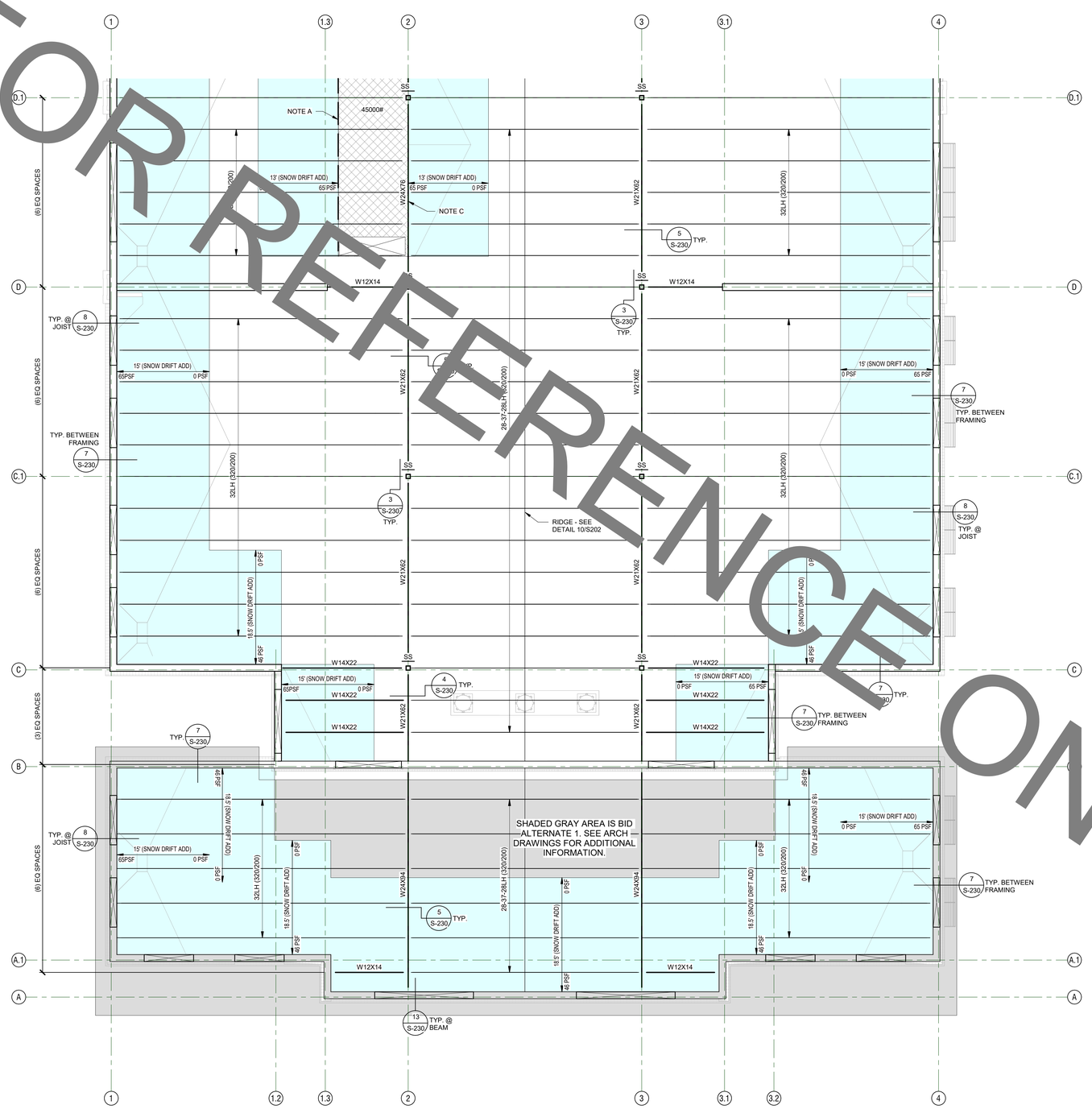
ROOF FRAMING PLAN - OVERALL

S-130

3/14/2024 10:44:10 AM

MECHANICAL UNIT KEYED NOTES:

A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.



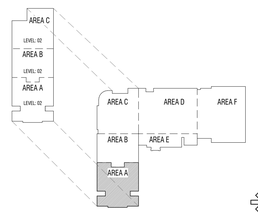
ROOF FRAMING PLAN - AREA A

SCALE : 1/8" = 1'-0"

SEE SHEET S-130 FOR ROOF FRAMING NOTES

A S-131

KEY PLAN



TO BE DETERMINED

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255 SOUTH 300 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

ROOF FRAMING PLAN - AREA A

S-131

3/14/2024 9:54:43 AM

MECHANICAL UNIT KEYED NOTES:

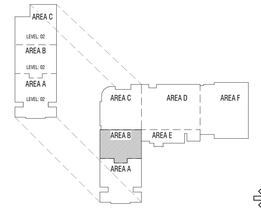
A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.

ROOF FRAMING PLAN - AREA B
SCALE : 1/8" = 1'-0"

SEE SHEET S-130 FOR ROOF FRAMING NOTES

A
S-132

KEY PLAN



TO BE DETERMINED

BID PACKAGE 1

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255 SOUTH 200 WEST
795 NORTH 400 WEST
LOGAN, UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	BLP
CHECKED BY:	J. Blazzard
ISSUED:	03.14.2024

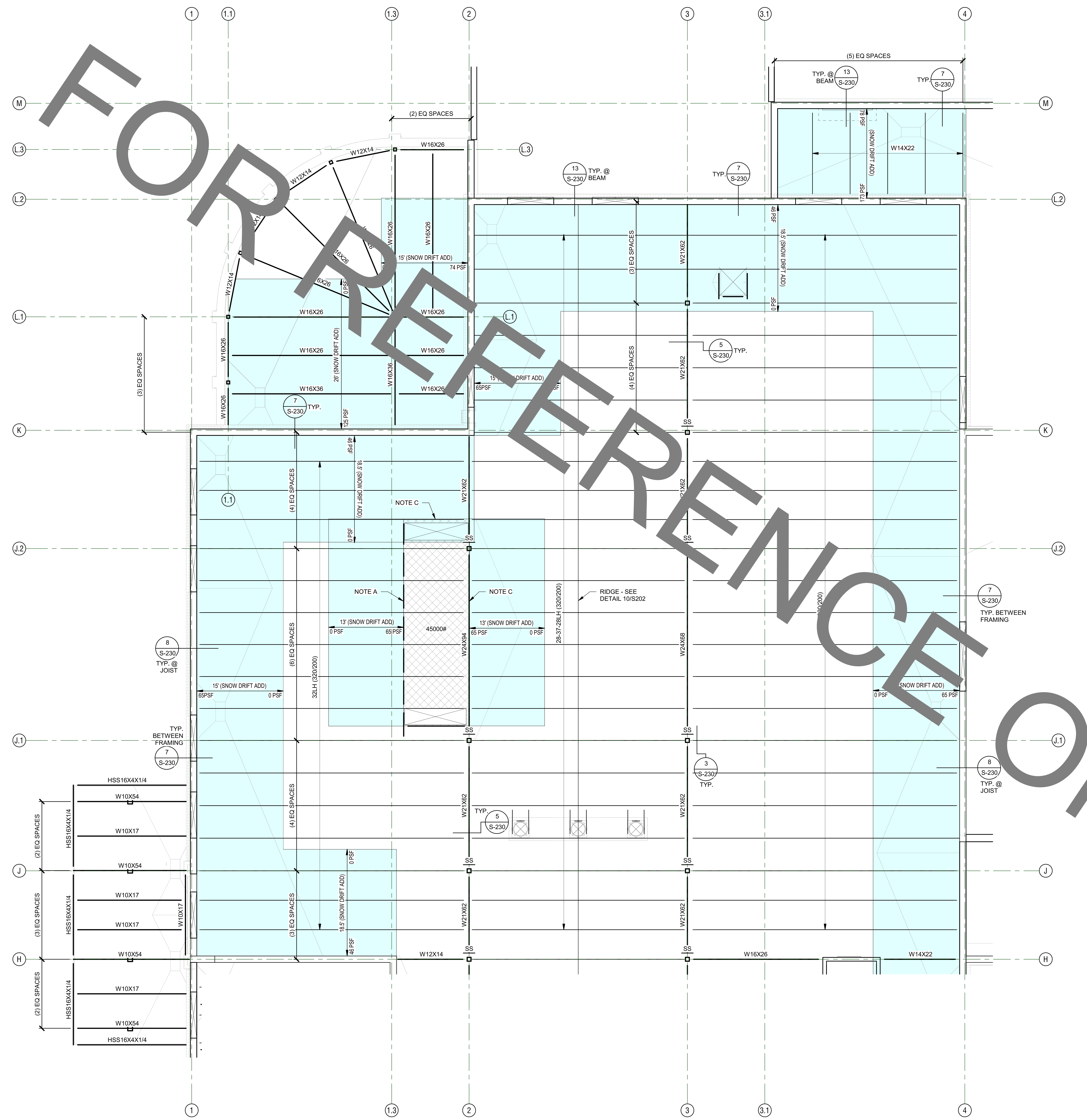
ROOF FRAMING PLAN - AREA B

S-132

3/14/2024 10:44:15 AM

MECHANICAL UNIT KEYED NOTES:

A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.



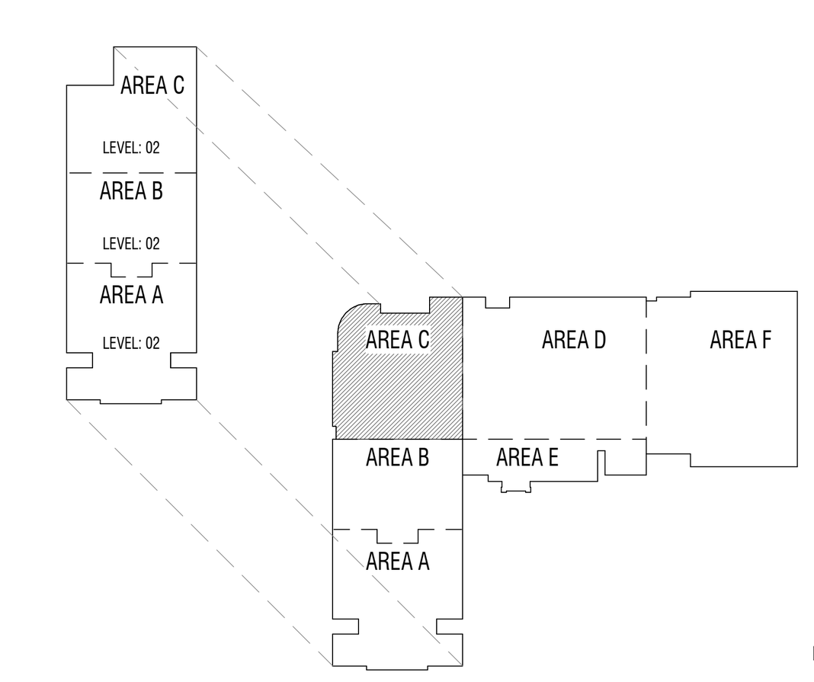
ROOF FRAMING PLAN - AREA C

SCALE : 1/8" = 1'-0"

A / S-133

SEE SHEET S-130 FOR ROOF FRAMING NOTES

KEY PLAN



TO BE DETERMINED

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255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

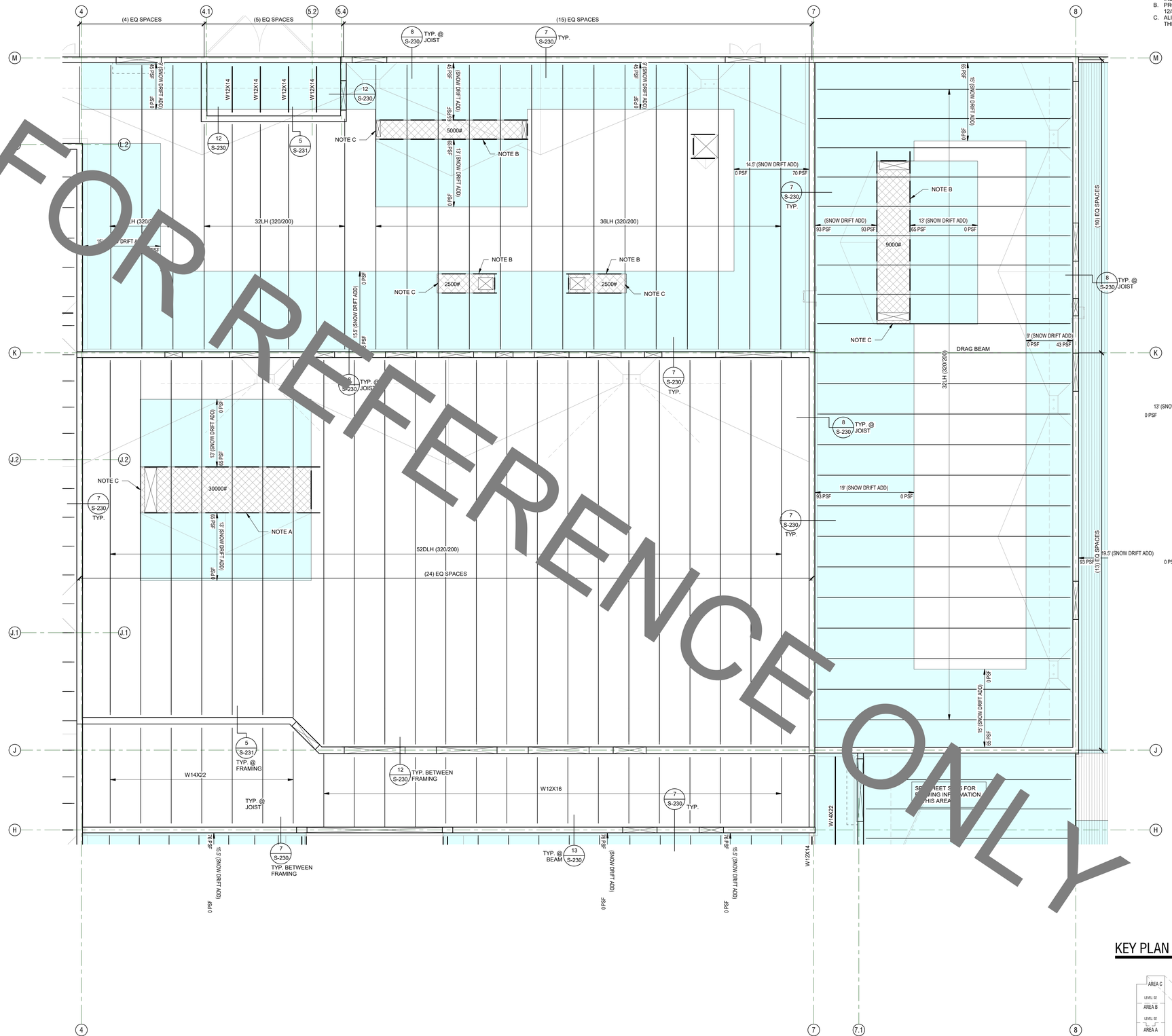
DESCRIPTION:

MARK: DATE:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

ROOF FRAMING PLAN - AREA C

S-133



MECHANICAL UNIT KEYED NOTES:

A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.

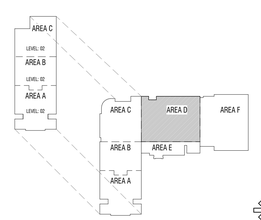
ROOF FRAMING PLAN - AREA D

SCALE : 1/8" = 1'-0"

SEE SHEET S-130 FOR ROOF FRAMING NOTES

A S-134

KEY PLAN



TO BE DETERMINED

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255 SOUTH 200 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	BLP
CHECKED BY:	J. Blazzard
ISSUED:	03.14.2024

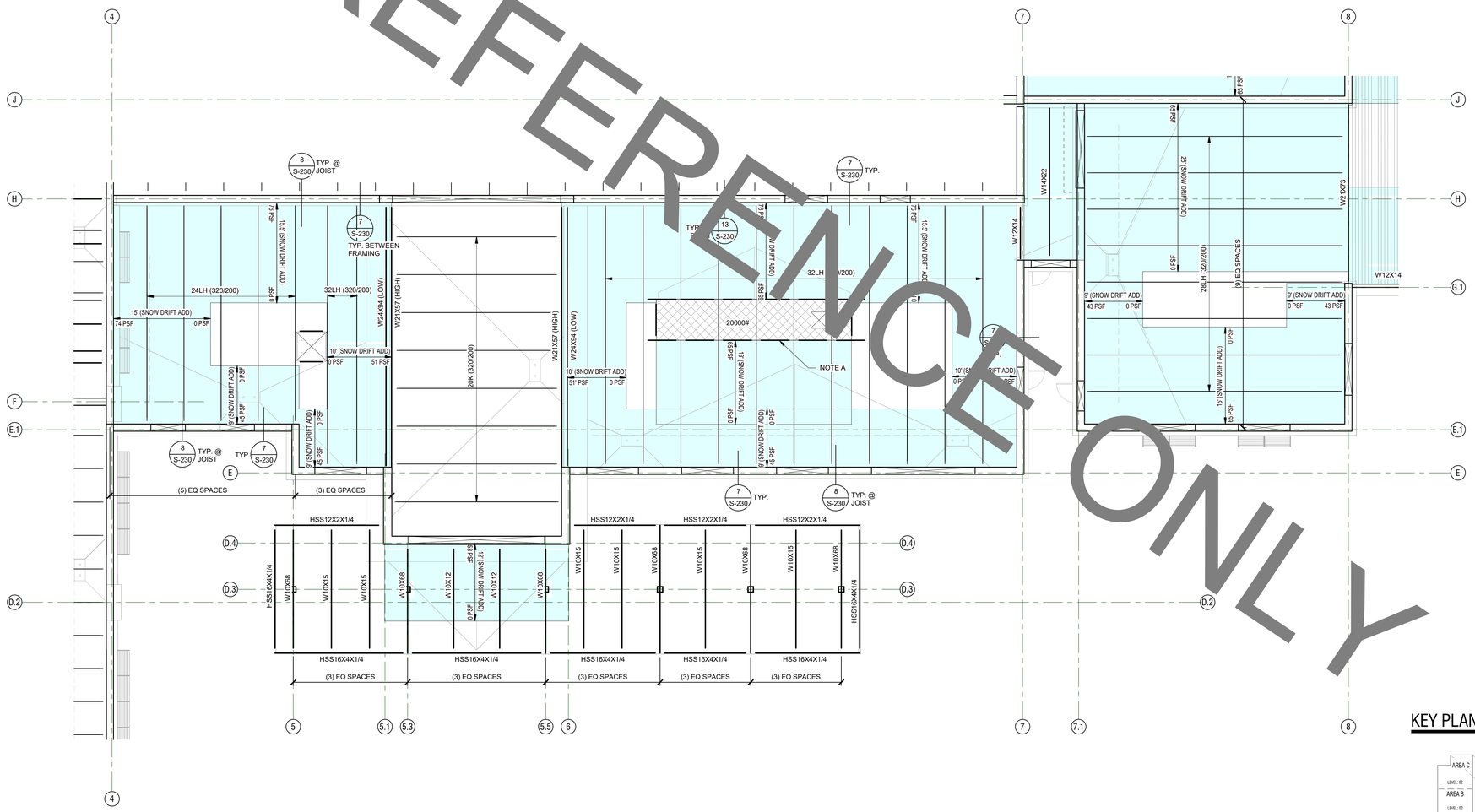
ROOF FRAMING PLAN - AREA D

S-134

3/14/2024 9:44:13 AM

MECHANICAL UNIT KEYED NOTES:

A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.



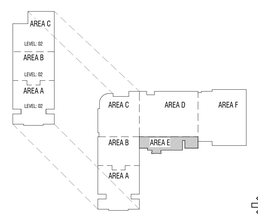
ROOF FRAMING PLAN - AREA E

SCALE : 1/8" = 1'-0"

SEE SHEET S-130 FOR ROOF FRAMING NOTES

A S-135

KEY PLAN



TO BE DETERMINED

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255 SOUTH 200 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	BLP
CHECKED BY:	J. Blazzard
ISSUED:	03.14.2024

ROOF FRAMING PLAN - AREA E

S-135

3/14/2024 9:54:13 AM

MECHANICAL UNIT KEYED NOTES:

A. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 9/S-202. PROVIDE LIGHTWEIGHT CONCRETE PAD BELOW UNIT AS INDICATED IN DETAIL.
B. PROVIDE FRAME BELOW UNIT AND AROUND OPENINGS PER DETAIL 12/S-202. DO NOT PROVIDE CONCRETE PAD BELOW UNIT.
C. ALIGN EDGE OF MECHANICAL UNIT OVER CENTER OF FRAMING AT THIS LOCATION.

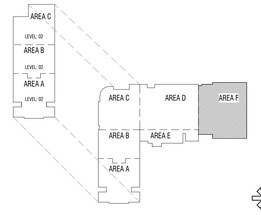
ROOF FRAMING PLAN - AREA F

SCALE : 1/8" = 1'-0"

SEE SHEET S-130 FOR ROOF FRAMING NOTES

A S-136

KEY PLAN



TO BE DETERMINED

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795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

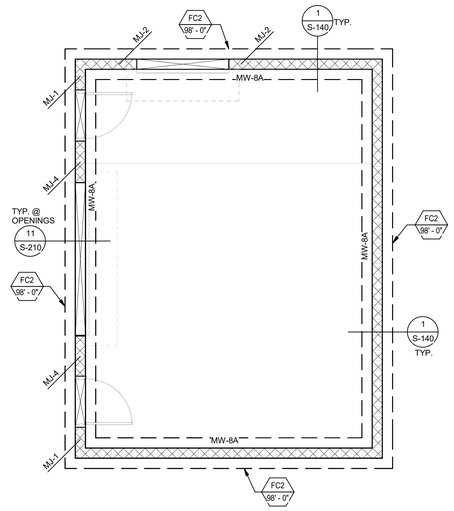
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

ROOF FRAMING PLAN - AREA F

S-136

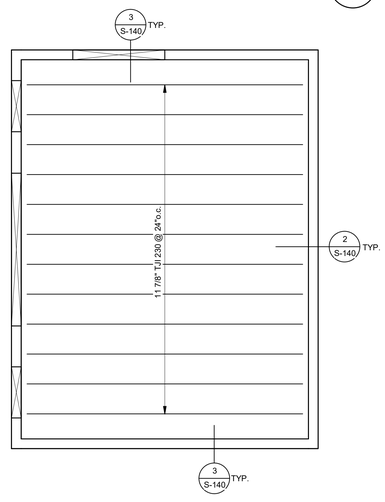
3/14/2024 10:41 AM



FOOTING AND FOUNDATION PLAN

SCALE : 1/4" = 1'-0"

A S-140



ROOF FRAMING PLAN

SCALE : 1/4" = 1'-0"

B S-140

NOTES

1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. SEE SHEET S-110 FOR FOOTING AND FOUNDATION NOTES.

WOOD ROOF NOTES

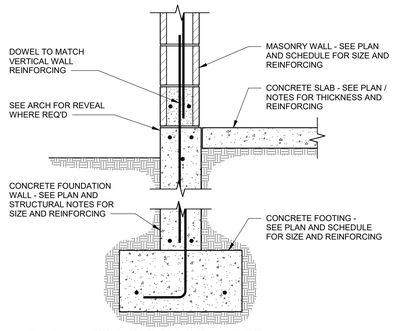
1. WOOD GRADES (UNLESS NOTED OTHERWISE)
   a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
      1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
   b. ALL WOOD "I" JOISTS AND BRIDGING SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL.
2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE:

LOCATION	THICKNESS	PANEL INDEX
ROOFS:	19/32"	32/16

3. INDIVIDUAL PIECES OF SHEATHING AT ROOF SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. CONNECTIONS, FASTENERS, AND ADHESIVE
   a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
   b. UNLESS NOTED OTHERWISE, 10d COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
      1. BOUNDARY NAILING "BN": 4"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
      2. PANEL EDGE NAILING "EN": 6"O.C. AT ALL OTHER PLYWOOD PANEL EDGES.
      3. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER PIECES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
   c. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

COMMON NAIL SIZE	SHANK DIAMETER	HEAD DIAMETER	LENGTH INTO SUPPORT	MIN. PENETRATION MEMBER
6d	0.113"	0.266"	2"	1.25"
8d	0.131"	0.281"	2-1/2"	1.375"
10d	0.148"	0.312"	3"	1.50"
12d	0.148"	0.312"	3-1/4"	1.50"
16d	0.162"	0.344"	3-1/2"	1.62"

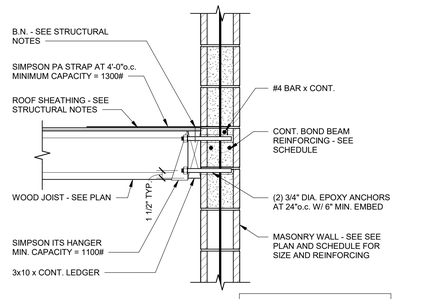
   d. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
   e. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH OTHER.



TYP. MASONRY ON CONCRETE FOUNDATION WALL DETAIL

SCALE : NONE

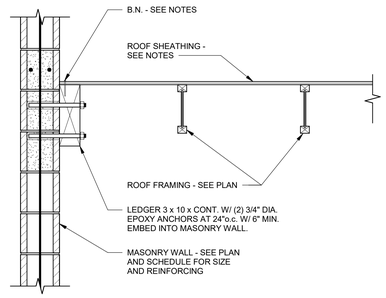
1 S-140



WOOD ROOF TO CMU

SCALE : NONE

2 S-140



WOOD ROOF TO MASONRY

SCALE : NONE

3 S-140

design west | architects
255 SOUTH 200 WEST
790 NORTH 400 WEST
LOGAN, UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

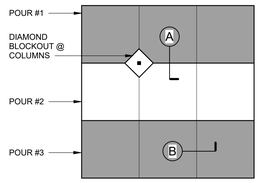
PROJECT #:	123005
DRAWN BY:	BLP
CHECKED BY:	J. Blazzard
ISSUED:	03.14.2024

BID PACKAGE 1

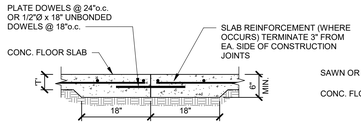
SPORTS STORAGE
FOOTING, FDN, AND
ROOF FRAMING
PLAN

S-140

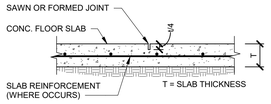
3/14/2024 10:44:5 AM



NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS @ 4" SLABS; 12'-0" MAX. @ 5" SLABS, & 15'-0" MAX. @ 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.
3. CONTRACTOR TO COORDINATE JOINT LAYOUT WITH ARCHITECT AND PROVIDE PROPOSED LAYOUT FOR REVIEW AND APPROVAL.

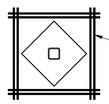


CONSTRUCTION JOINT
SCALE : NONE
A

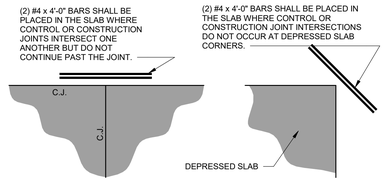


CONTROL JOINT
SCALE : NONE
B

TYPICAL CONCRETE SLAB JOINTS
SCALE : 3/4" = 1'-0"
1 S-201

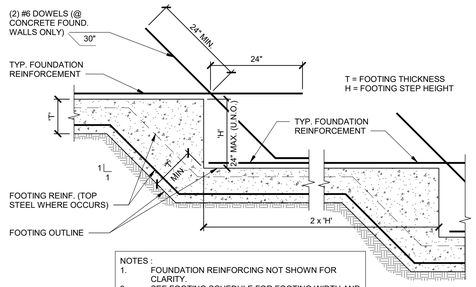


PLAN VIEW



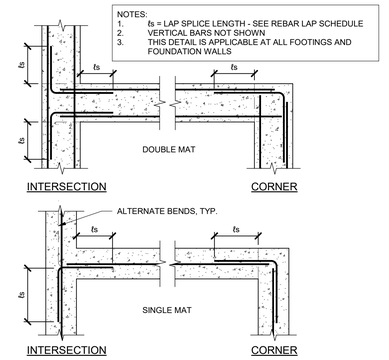
PLAN VIEW PLAN VIEW

TYPICAL CONTROL JOINT DETAIL
SCALE : NONE
2 S-201



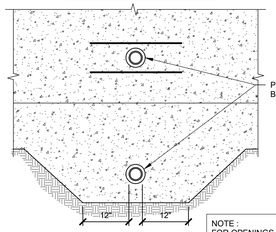
NOTES :
1. FOUNDATION REINFORCING NOT SHOWN FOR CLARITY.
2. SEE FOOTING SCHEDULE FOR FOOTING WIDTH AND REINFORCING SIZE AND LOCATION. ALL FOOTING REINFORCING REFERENCED IN THE SCHEDULE OR SHOWN IN THE DETAILS MUST RUN CONTINUOUS THROUGH THE FOOTING STEP.

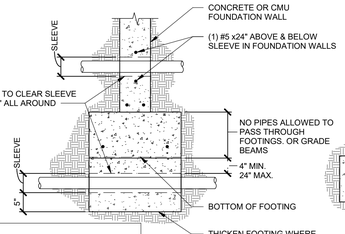
TYPICAL STEPPED FOOTING
SCALE : NONE
3 S-201



TYP. REINF. @ INTERSECTIONS IN CONC. DETAIL
SCALE : NONE
5 S-201

NOTE:
TYPICAL FOUNDATION WALL REINF. NOT SHOWN FOR CLARITY.

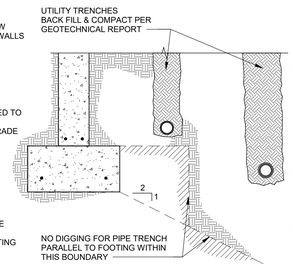




NOTE :
FOR OPENINGS LARGER THAN 12" IN ANY DIRECTION - SEE STRUCTURAL NOTE E-7.

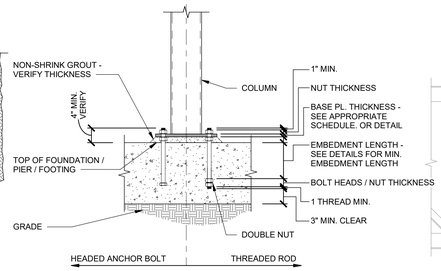
NOTE :
1. DETAIL IS SIMILAR AT MASONRY FOUNDATION WALLS.
2. SEE TYPICAL DETAIL FOR MULTIPLE WALL PENETRATIONS.

PIPE CROSSING FOOTING / FOUNDATION WALL

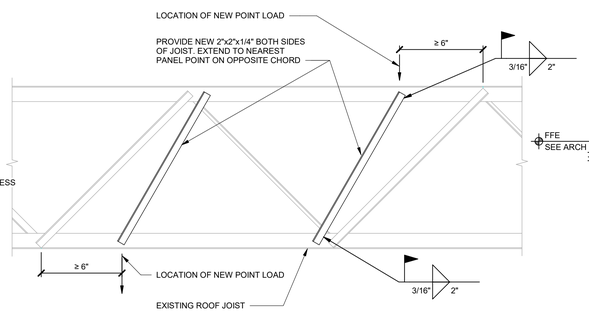


PIPE PARALLEL TO FOOTING

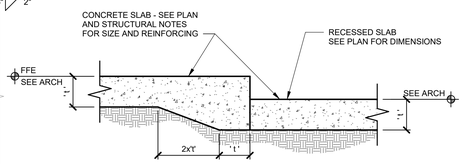
ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL
SCALE : NONE
4 S-201



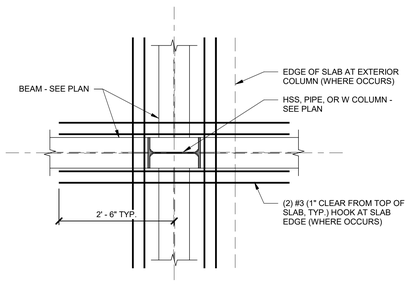
TYPICAL ANCHOR BOLT EMBEDMENT DETAIL
SCALE : NONE
6 S-201



TYPICAL JOIST UPGRADE DETAIL
SCALE : NONE
7 S-201

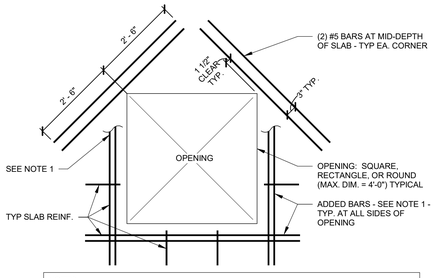


TYPICAL RECESSED SLAB DETAIL
SCALE : NONE
8 S-201



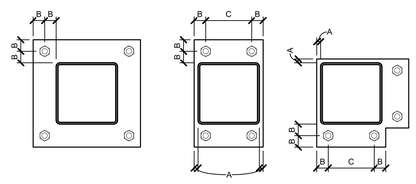
NOTE:
1. METAL DECK NOT SHOWN FOR CLARITY.
2. SEE STRUCTURAL NOTES FOR SUPPORT OF METAL DECK @ COLUMNS.

TYPICAL ADDED REINFORCING IN SUSPENDED SLAB OPENINGS @ COLUMNS
SCALE : NONE
9 S-201



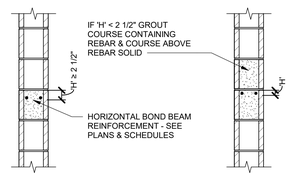
NOTES:
1. ALL TOP & BOTTOM SLAB BARS INTERRUPTED BY OPENING SHALL BE REPLACED BY ADDITIONAL REINFORCING EQUAL TO THAT INTERRUPTED. PLACE HALF OF THE ADDITIONAL REINFORCING ON EACH SIDE OF THE OPENING & EXTEND TO LENGTH REQUIRED TO LAP (BEYOND OPENING) PER BAR SIZE.
2. BOXED OUT OPENINGS, BOXED RECESSES, & PIPE SLEEVE CLUSTERS SHALL BE TREATED AS FRAMED SLAB OPENINGS.

TYP. REINFORCING @ CONC. WALL & SLAB OPENINGS DETAIL
SCALE : NONE
10 S-201

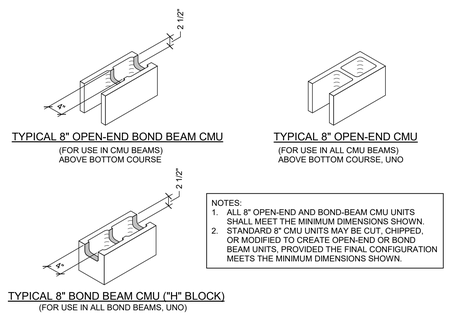


A = 1/2" MIN.
B = 1 1/2"
C = 3" MIN.

TYPICAL BASE PLATE
SCALE : NONE
11 S-201

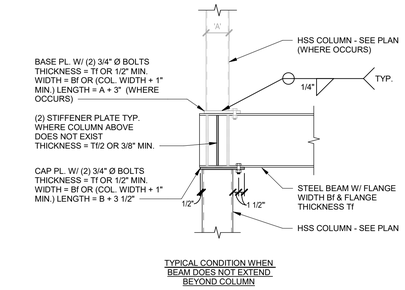


TYP. BOND BEAM GROUTING
SCALE : NONE
12 S-201

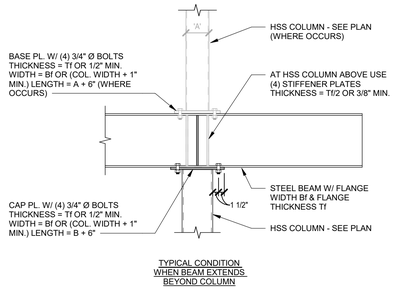


NOTES:
1. ALL 8" OPEN-END AND BOND-BEAM CMU UNITS SHALL MEET THE MINIMUM DIMENSIONS SHOWN.
2. STANDARD 8" CMU UNITS MAY BE CUT, CHIPPED, OR MODIFIED TO CREATE OPEN-END OR BOND BEAM UNITS, PROVIDED THE FINAL CONFIGURATION MEETS THE MINIMUM DIMENSIONS SHOWN.

TYPICAL CMU BLOCK
SCALE : NONE
13 S-201

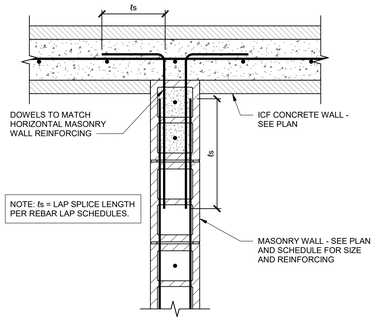


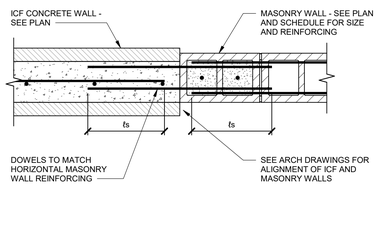
TYPICAL CONDITION WHEN BEAM DOES NOT EXTEND BEYOND COLUMN



TYPICAL CONDITION WHEN BEAM EXTENDS BEYOND COLUMN

TYPICAL CAP PL. / BASE PL. @ FRAMING CONNECTIONS
SCALE : NONE
14 S-201





TYP. REINFORCING AT INTERSECTIONS OF ICF AND MASONRY WALLS
SCALE : NONE
15 S-201

design west | architects
255 SOUTH 300 WEST
LOGAN UT 84321
795 NORTH 400 WEST
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

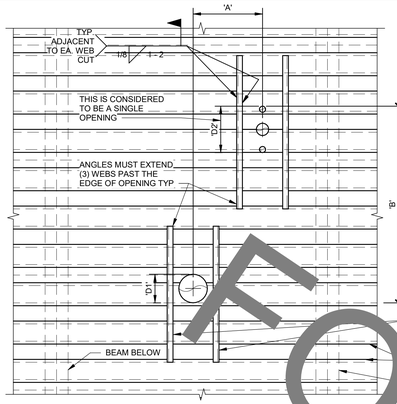
MARK:
DATE:
DESCRIPTION:

BID PACKAGE 1

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

TYPICAL DETAILS
S-201

3/14/2024 10:44:15 AM



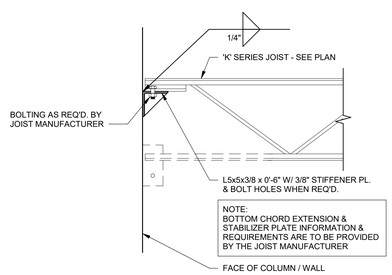
USE THIS DETAIL FOR HOLES CUTTING NO MORE THAN (3) ADJACENT WEBS FOR 6" AND 8" MODULE DECK, (2) ADJACENT WEBS FOR 12" MODULE DECK.

PRIOR TO CONCRETE POUR. SMALL OPENINGS SHOULD BE BLOCKED OUT AND FLOOR DECK LEFT INTACT. HOLES LESS THAN 6" IN DIAMETER AND CUTTING NO MORE THAN 1 WEB NEED NO REINFORCING. AFTER THE CONCRETE HAS CURED, THE BLOCKOUT CAN BE REMOVED AND THE FLOOR DECK IN THE AREA OF THE HOLE REMOVED.

NOTES:
1. ANGLES SHALL BE PLACED EITHER ON TOP OF THE DECK OR ATTACHED TO THE UNDERSIDE OF THE DECK.
2. IF DIMENSION "A" IS GREATER THAN 4D1, 4D2, OR 32", WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "B".
3. IF DIMENSION "B" IS GREATER THAN 4D1, 4D2, OR 32", WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "A".
4. IF DIMENSIONS "A" AND "B" ARE LESS THAN 4D1, 4D2, OR 32", WHICHEVER IS LARGER, THE OPENING GROUP WILL BE CONSIDERED AS A SINGLE HOLE, AND MUST BE REINFORCED AS REQUIRED FOR THE LARGER OPENING. SEE 8/S201.

TYP. DECK REINFORCEMENT @ SMALL OPENINGS
SCALE : NONE — 1 / S-202

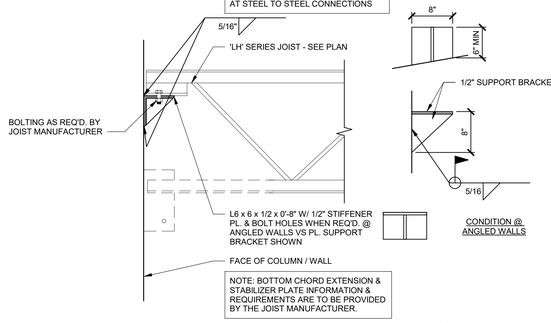
NOTE: WELD SHALL BE FIELD WELDED AT MASONRY & CONCRETE EMBEDS AND SHOP WELDED AT STEEL TO STEEL CONNECTIONS.



NOTE: BOTTOM CHORD EXTENSION & STABILIZER PLATE INFORMATION & REQUIREMENTS ARE TO BE PROVIDED BY THE JOIST MANUFACTURER

TYP. 'K' SERIES JOIST BEARING SEAT (U.N.O.)
SCALE : NONE — 2 / S-202

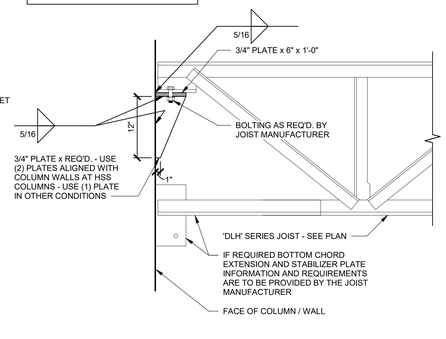
NOTE: WELD SHALL BE FIELD WELDED AT MASONRY & CONCRETE EMBEDS AND SHOP WELDED AT STEEL TO STEEL CONNECTIONS



NOTE: BOTTOM CHORD EXTENSION & STABILIZER PLATE INFORMATION & REQUIREMENTS ARE TO BE PROVIDED BY THE JOIST MANUFACTURER.

TYPICAL 'LH' JOIST BEARING SEAT (U.N.O.)
SCALE : NONE — 3 / S-202

NOTE: WELD SHALL BE FIELD WELDED AT MASONRY AND CONCRETE EMBEDS AND SHOP WELDED AT STEEL TO STEEL CONNECTIONS.

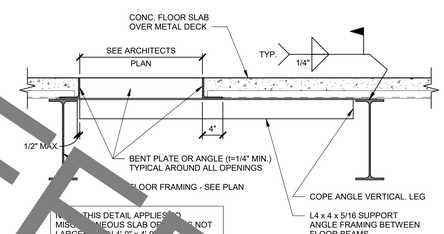


TYP. 'DLH' JOIST BEARING SEAT U.N.O.
SCALE : NONE — 4 / S-202

TYP. FORMLOK COMPOSITE FLOOR DECK
SCALE : NONE — 5 / S-202

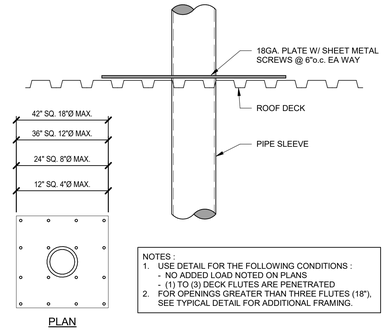
NOTE:
1. SEE STRUCTURAL NOTES FOR ADDITIONAL SHEAR CONNECTION INFORMATION

TYP. SHEAR STUD CONNECTION DETAIL
SCALE : NONE — 6 / S-202



NOTE: THIS DETAIL APPLIES TO MISCELLANEOUS SLAB OPENINGS NOT LARGER THAN 4'-0" x 4'-0".

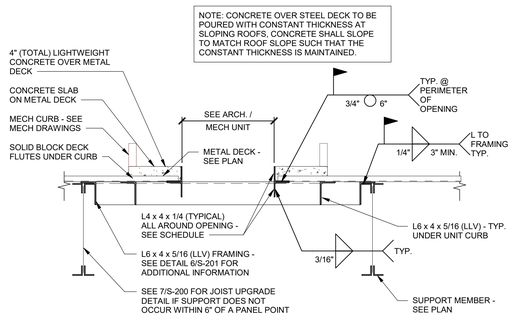
TYP. FRAMING @ FLOOR OPENING
SCALE : NONE — 7 / S-202



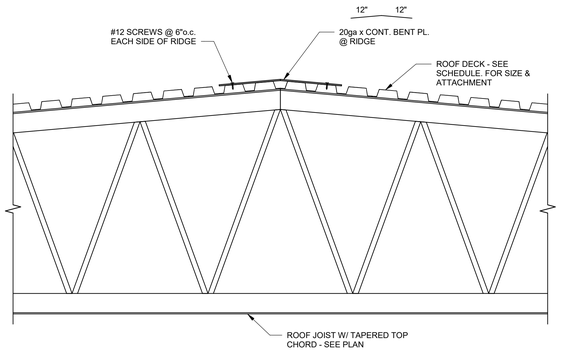
NOTES :
1. USE DETAIL FOR THE FOLLOWING CONDITIONS :
   - NO ADDED LOAD NOTED ON PLANS
   - (1) TO (3) DECK FLUTES ARE PENETRATED
2. FOR OPENINGS GREATER THAN THREE FLUTES (18"), SEE TYPICAL DETAIL FOR ADDITIONAL FRAMING.

TYP. FRAMING @ SMALL ROOF OPENINGS DETAIL
SCALE : NONE — 8 / S-202

NOTE: CONCRETE OVER STEEL DECK TO BE POURED WITH CONSTANT THICKNESS AT SLOPING ROOFS. CONCRETE SHALL SLOPE TO MATCH ROOF SLOPE SUCH THAT THE CONSTANT THICKNESS IS MAINTAINED.

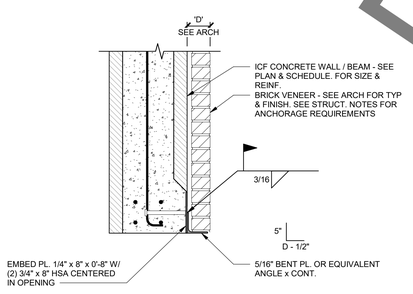


TYP. FRAMING @ ROOF OPN'GS & ROOFTOP EQUIPMENT DETAIL
SCALE : NONE — 9 / S-202



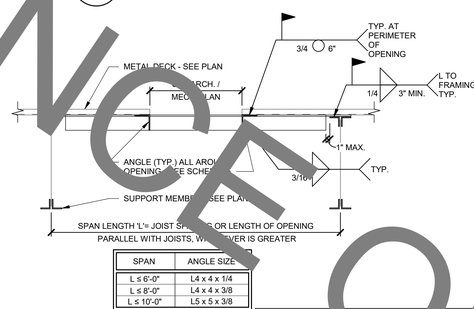
NOTE: IF DECK CAN BE RAN CONTINUOUS OVER RIDGE THAN BENT PL. MAY BE OMITTED.

DETAIL
SCALE : NONE — 10 / S-202

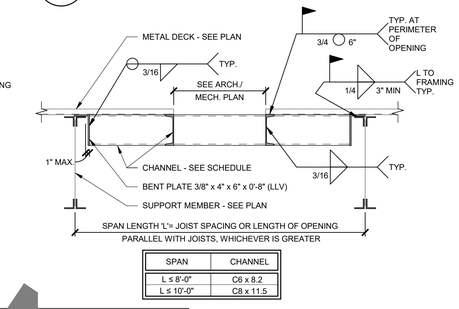


NOTES:
1. AT OPENINGS UNDER 8', EMBED IN CENTER OF OPENING IS NOT REQ'D.
2. AT EACH SIDE OF THE OPENING PROVIDE MIN OF 8" OF BEARING OF ANGLE ON SURROUNDING VENEER
3. AT LOCATIONS WHERE OPENING EXCEEDS 16' OR WHERE VENEER OCCURS ABOVE ROOF PROVIDE EMBEDS @ 6'-0"o.c. MAX SPACING W/ EMBED LOCATED @ EACH END / CORNER OF LEDGER ANGLE

TYP. BRICK VENEER LINTEL DETAIL
SCALE : NONE — 11 / S-202



SPAN	ANGLE SIZE
L ≤ 6'-0"	L4 x 4 x 1/4
L ≤ 8'-0"	L4 x 4 x 3/8
L ≤ 10'-0"	L5 x 5 x 3/8



SPAN	CHANNEL
L ≤ 8'-0"	C6 x 8.2
L ≤ 10'-0"	C8 x 11.5

NOTES :
1. THIS DETAIL APPLIES TO ROOF OPENINGS LARGER THAN 18" IN EITHER DIRECTION.
2. MECHANICAL UNIT ATTACHMENT TO STRUCTURE BY OTHERS.
3. THIS DETAIL OCCURS WHERE THE CURB AND ARE AROUND THE OPENING. WHERE NO OPENING OCCURS, FRAME OCCURS BELOW CURB ONLY.
4. WHERE FRAME CONNECTS TO JOIST MORE THAN 6" FROM PANEL POINT, SEE DETAIL TYP.7/ FOR REQUIRED JOIST UPGRADE INFORMATION.
5. UNLESS NOTED OTHERWISE, USE THE ANGLE FRAMES WHERE JOIST SPACING IS LESS THAN OR EQUAL TO 10'-0" AND EQUIPMENT WEIGHT IS 1,000 POUNDS OR LESS. WHERE EQUIPMENT WEIGHT IS GREATER THAN 1,000 POUNDS USE CHANNEL FRAMES.

TYP. FRAMING @ ROOF OPENINGS & ROOFTOP EQUIPMENT DETAIL
SCALE : NONE — 12 / S-202

design west | architects
255 SOUTH 200 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

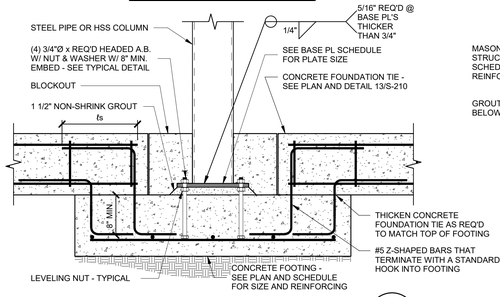
MARK: | DATE: | DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

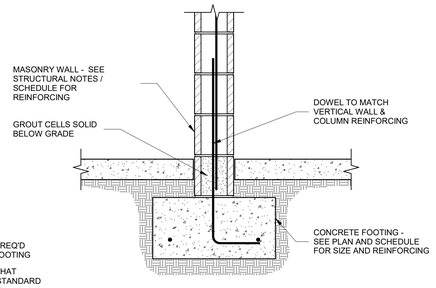
TYPICAL DETAILS
S-202

3/14/2024 10:44:16 AM

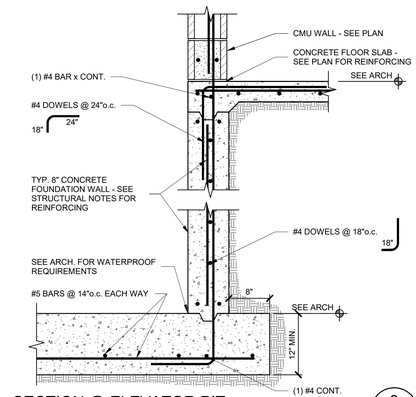
BASE PLATE SCHEDULE	
COLUMN SIZE	BASE PLATE SIZE
8"SQ, 10"Ø	PL 3/4" x 14" x 1'-2"
7" SQ	PL 3/4" x 13" x 1'-1"
6"SQ , 8"Ø	PL 3/4" x 12" x 1'-0"
5" SQ	PL 3/4" x 12" x 1'-0"
4" SQ	PL 5/8" x 10" x 0'-10"
3"Ø, 3" SQ	PL 1/2" x 9" x 0'-9"



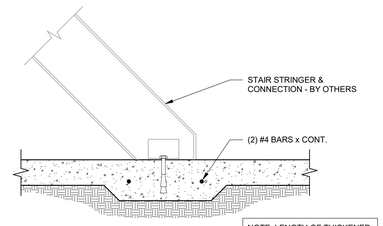
COLUMN TO SPOT FOOTING — 1 S-210
SCALE : NONE



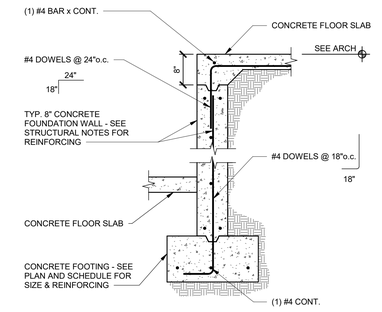
MASONRY WALL ON FOOTING — 2 S-210
SCALE : NONE



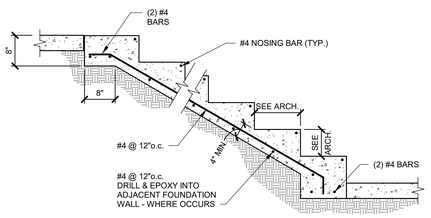
SECTION @ ELEVATOR PIT — 3 S-210
SCALE : NONE



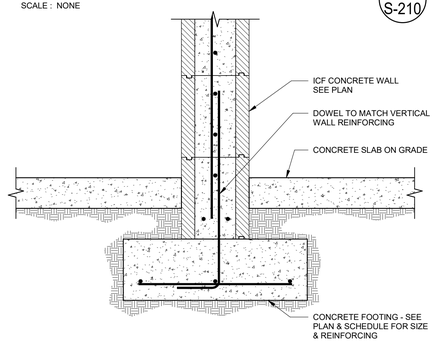
THICKENED SLAB @ STAIR — 4 S-210
SCALE : NONE



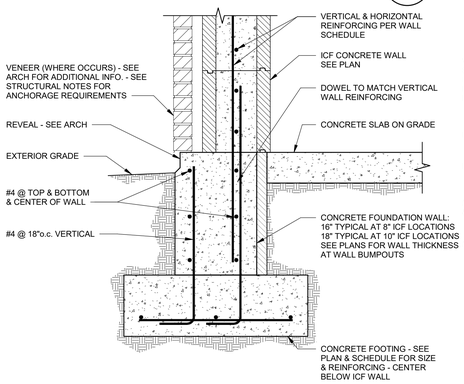
DETAIL — 5 S-210
SCALE : NONE



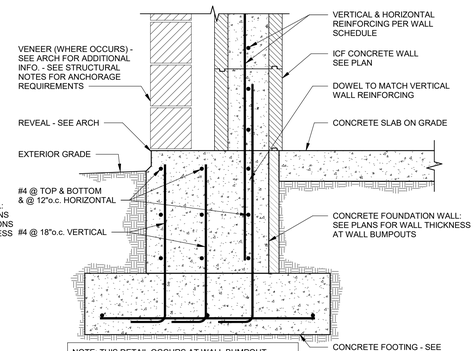
TYPICAL STEPPED STAIR FOOTING — 6 S-210
SCALE : NONE



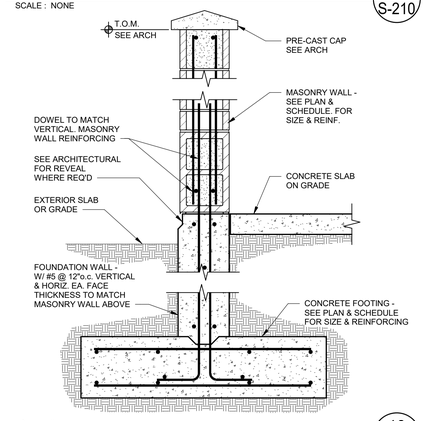
DETAIL — 7 S-210
SCALE : NONE



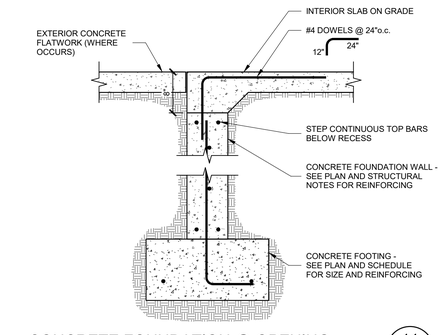
DETAIL — 8 S-210
SCALE : NONE



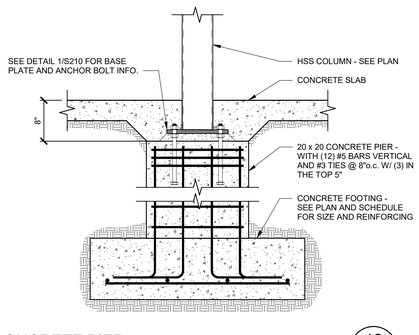
DETAIL — 9 S-210
SCALE : NONE



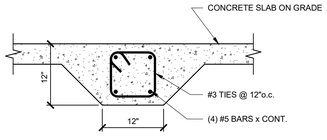
DETAIL — 10 S-210
SCALE : NONE



CONCRETE FOUNDATION @ OPENING — 11 S-210
SCALE : NONE

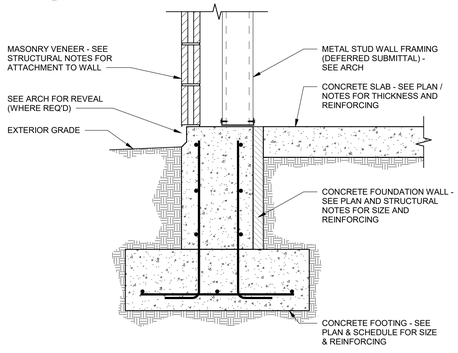


CONCRETE PIER — 12 S-210
SCALE : NONE

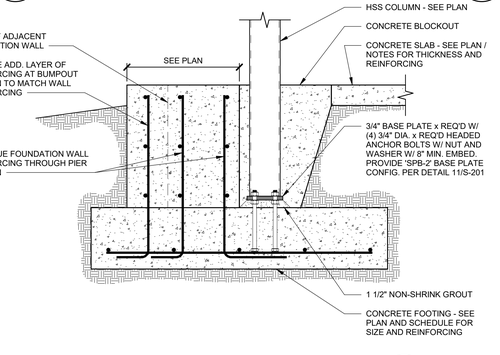


NOTES:
1. SEE DETAIL 1/S-210 FOR CONDITION AT INTERIOR FOOTINGS.
2. SEE DETAIL 16/S-210 FOR CONDITION AT FOUNDATION WALL.

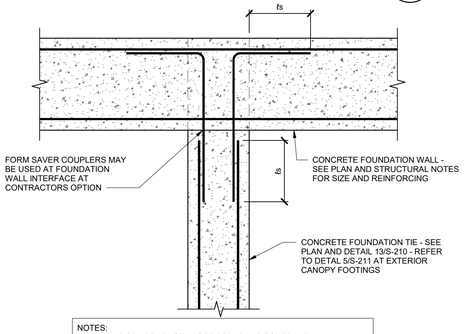
DETAIL — 13 S-210
SCALE : NONE



DETAIL — 14 S-210
SCALE : NONE

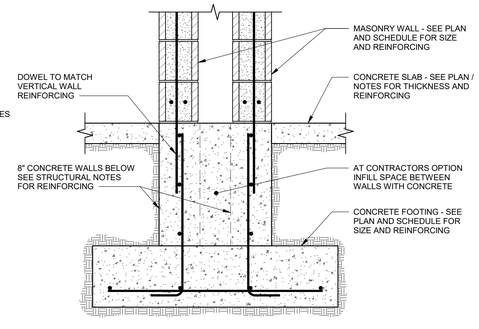


DETAIL — 15 S-210
SCALE : NONE

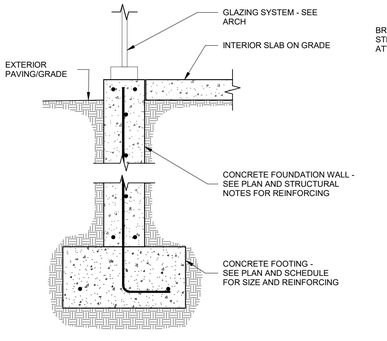


NOTES:
1. fs = LAP SPLICE LENGTH - SEE REBAR LAP SCHEDULE.
2. VERTICAL BARS AND TIES NOT SHOWN.
3. AT CONTRACTORS OPTION, INSTEAD OF DOWELING FOUNDATION TIE BARS INTO FOUNDATION WALL, THE BARS MAY BE DOWELED INTO THE FOOTING SIMILAR TO DETAIL 1/S-210.

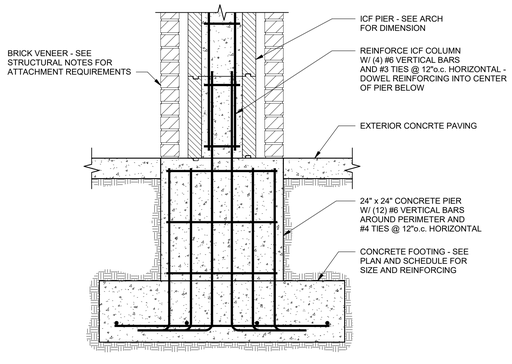
DETAIL — 16 S-210
SCALE : NONE



DETAIL — 17 S-210
SCALE : NONE



DETAIL — 18 S-210
SCALE : NONE



DETAIL — 19 S-210
SCALE : NONE

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SALT LAKE CITY UT 84103
795 NORTH 400 WEST

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

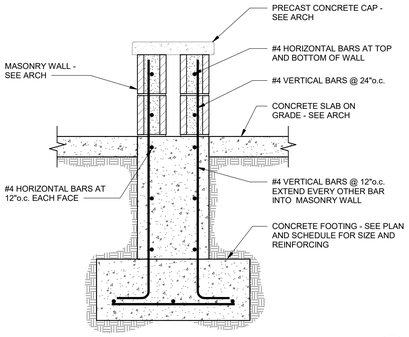
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

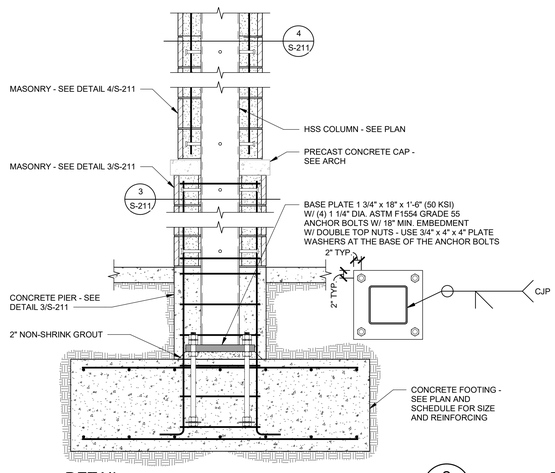
FOOTING & FOUNDATION DETAILS

S-210

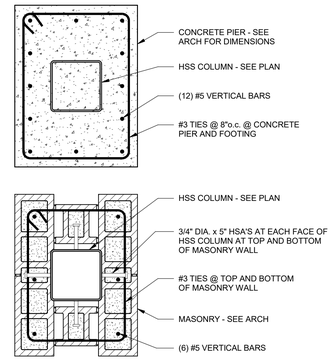
3/14/2024 9:54:45 AM



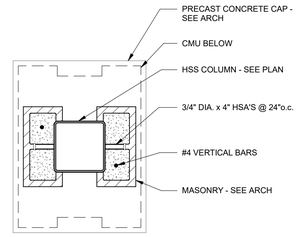
DETAIL 1 / S-211
SCALE : NONE



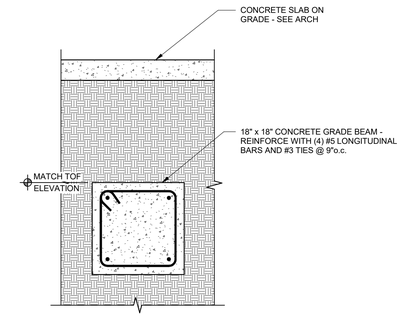
DETAIL 2 / S-211
SCALE : NONE



DETAIL 3 / S-211
SCALE : NONE



DETAIL 4 / S-211
SCALE : NONE



NOTES:
1. EXTEND LONGITUDINAL BARS A MINIMUM OF fs INTO SPOT FOOTINGS.
2. SEE DETAIL 16/S-210 FOR CONDITION AT FOUNDATION WALL.

DETAIL 5 / S-211
SCALE : NONE

BID PACKAGE 1

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795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

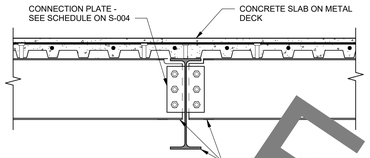
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

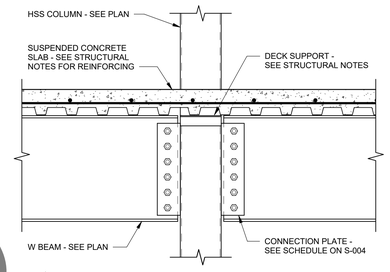
FOOTING & FOUNDATION DETAILS

S-211

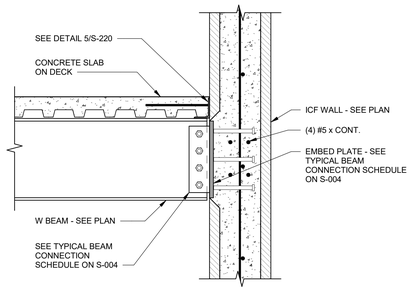
3/14/2024 10:45:19 AM



DETAIL
SCALE : NONE
1
S-220



DETAIL
SCALE : NONE
2
S-220



DETAIL
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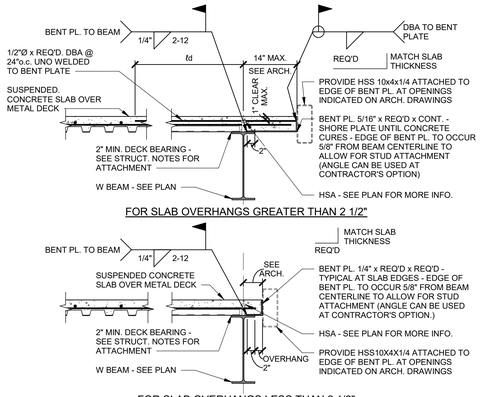
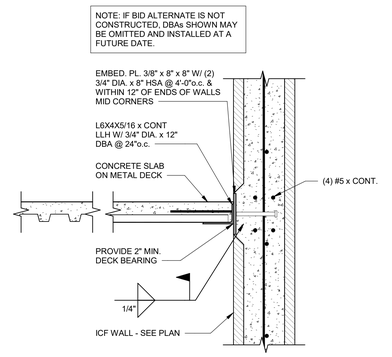
S-220



DETAIL
SCALE : NONE
4
S-220



DETAIL
SCALE : NONE
5
S-220
L

DECK ON MASONRY
SCALE : NONE
6
S-220

DETAIL
SCALE : NONE
7
S-220

DETAIL
SCALE : NONE
8
S-220

DETAIL
SCALE : NONE
9
S-220
L

DETAIL
SCALE : NONE
10
S-220

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255 SOUTH 300 WEST
790 NORTH 400 WEST
LOGAN, UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

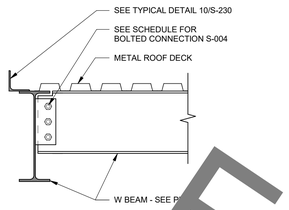
PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

BID PACKAGE 1

FLOOR FRAMING
DETAILS

S-220

3/14/2024 10:44:17 AM



DETAIL
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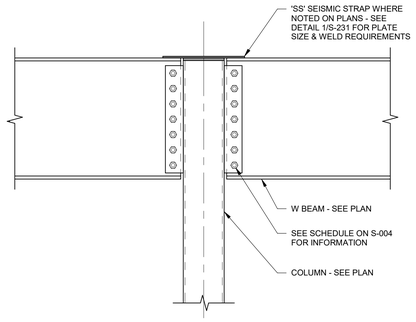
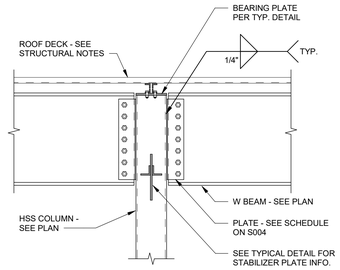
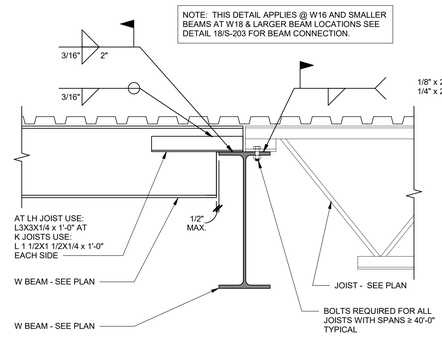
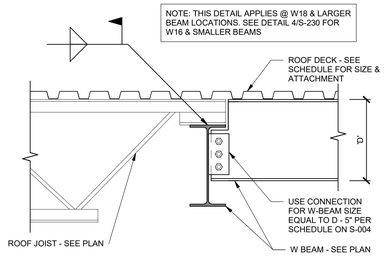


D
SCALE : NONE
2
S-230
L

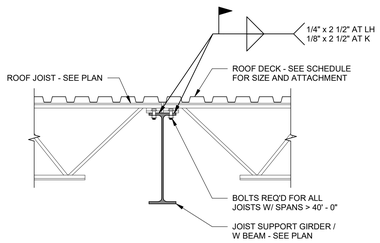


BEAMS & JOISTS INTO HSS COLUMN
SCALE : NONE
3
S-230

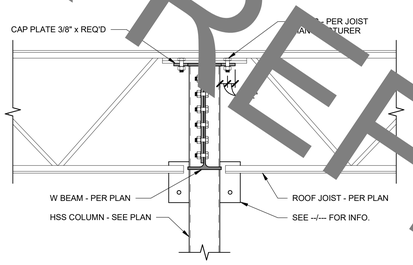




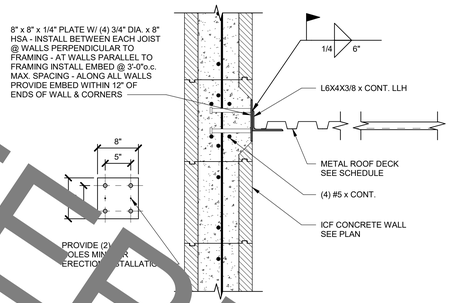
BEAMS & JOIST ON BEAM
SCALE : NONE
4
S-230



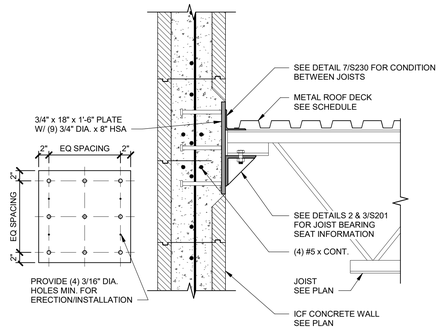
JOISTS ON BEAM
SCALE : NONE
5
S-230



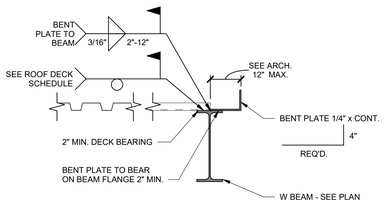
BEAM TO COLUMN ON SEAT CONNECTION
SCALE : NONE
6
S-230



DETAIL
SCALE : NONE
7
S-230
L



DETAIL
SCALE : NONE
8
S-230
L



DETAIL
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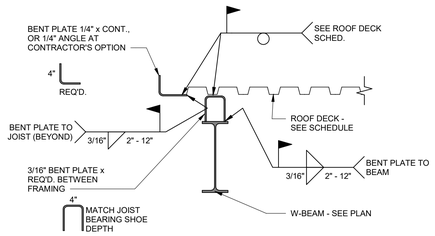
S-230



BLOCKING ON BEAM
SCALE : NONE
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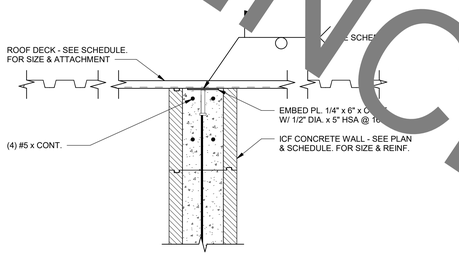
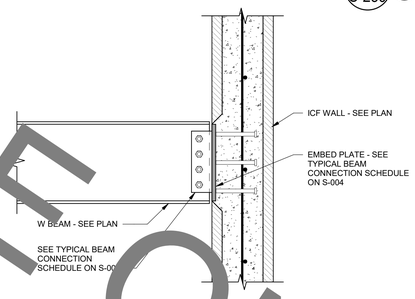
S-230



DETAIL
SCALE : NONE
12
S-230
L



DETAIL
SCALE : NONE
13
S-230

design west | architects
255 SOUTH 300 WEST
795 NORTH 400 WEST
LOGAN UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

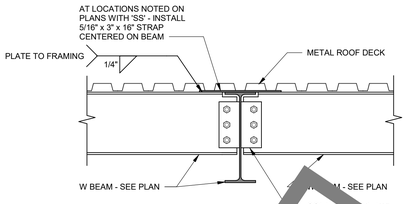
PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

BID PACKAGE 1

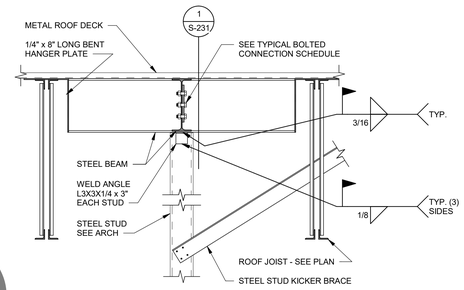
ROOF FRAMING DETAILS

S-230

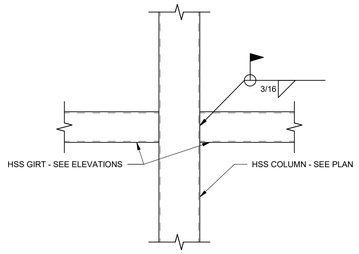
3/14/2024 11:44:17 AM



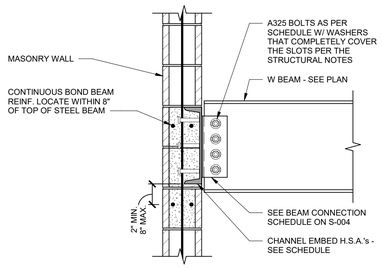
DETAIL
SCALE : NONE
1 S-231 L



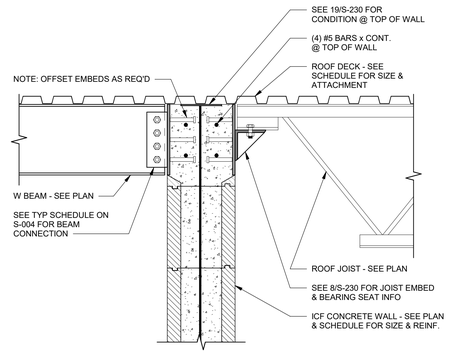
DETAIL
SCALE : NONE
2 S-231



DETAIL
SCALE : NONE
3 S-231



DETAIL
SCALE : NONE
4 S-231



DETAIL
SCALE : NONE
5 S-231 L

DETAIL
SCALE : NONE
6 S-231 L

DETAIL
SCALE : NONE
7 S-231 L

DETAIL
SCALE : NONE
8 S-231 L

DETAIL
SCALE : NONE
9 S-231

BID PACKAGE 1

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255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

HYDE PARK MIDDLE SCHOOL
250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

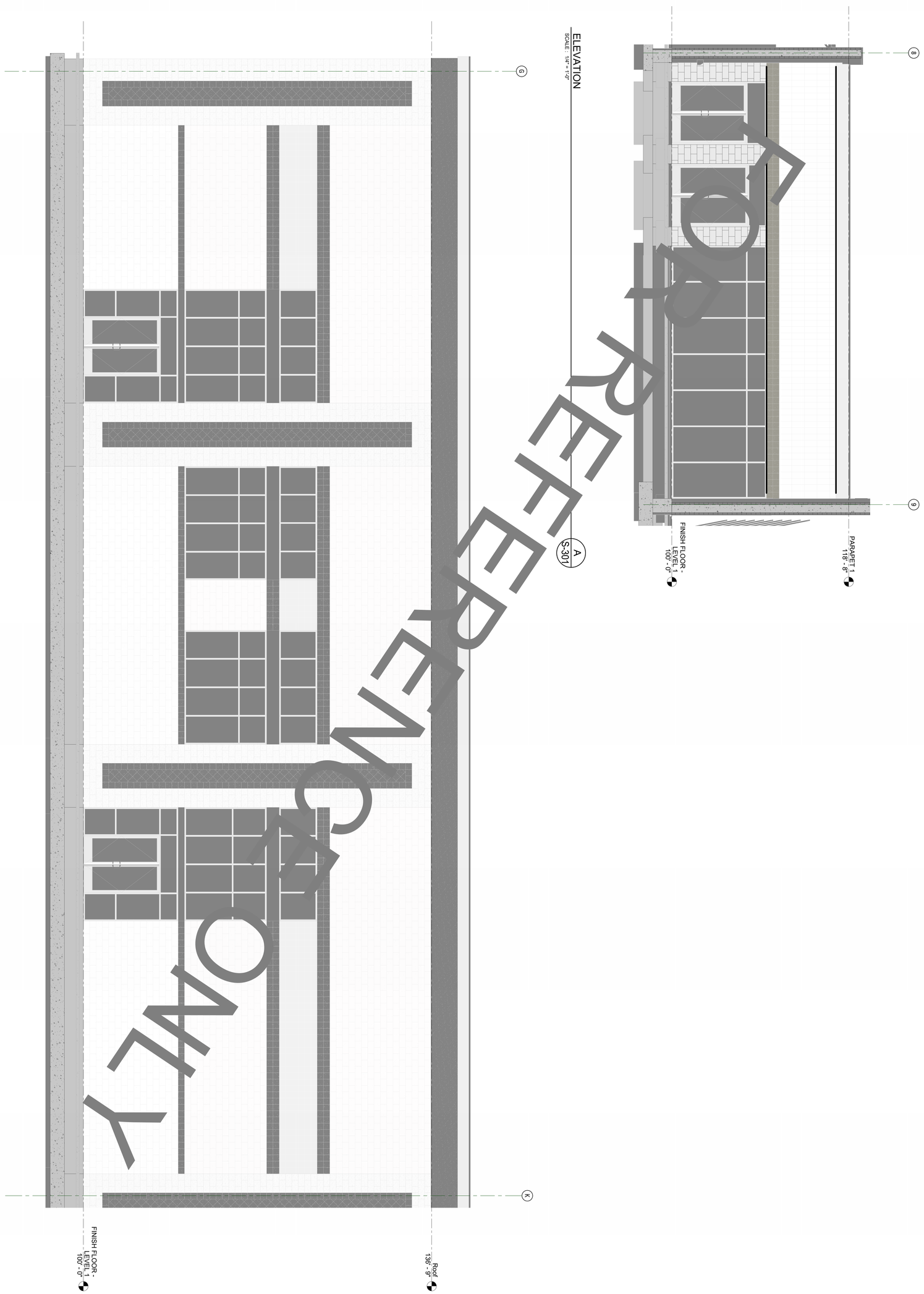
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

ROOF FRAMING DETAILS
S-231

3/14/2024 10:44:15 AM

3/14/2024 10:44:19 AM



BID PACKAGE 1

S-301

ELEVATIONS

ISSUED: 03.14.2024
CHECKED BY: J. Blazzard
DRAWN BY: BLP
PROJECT #: 123005

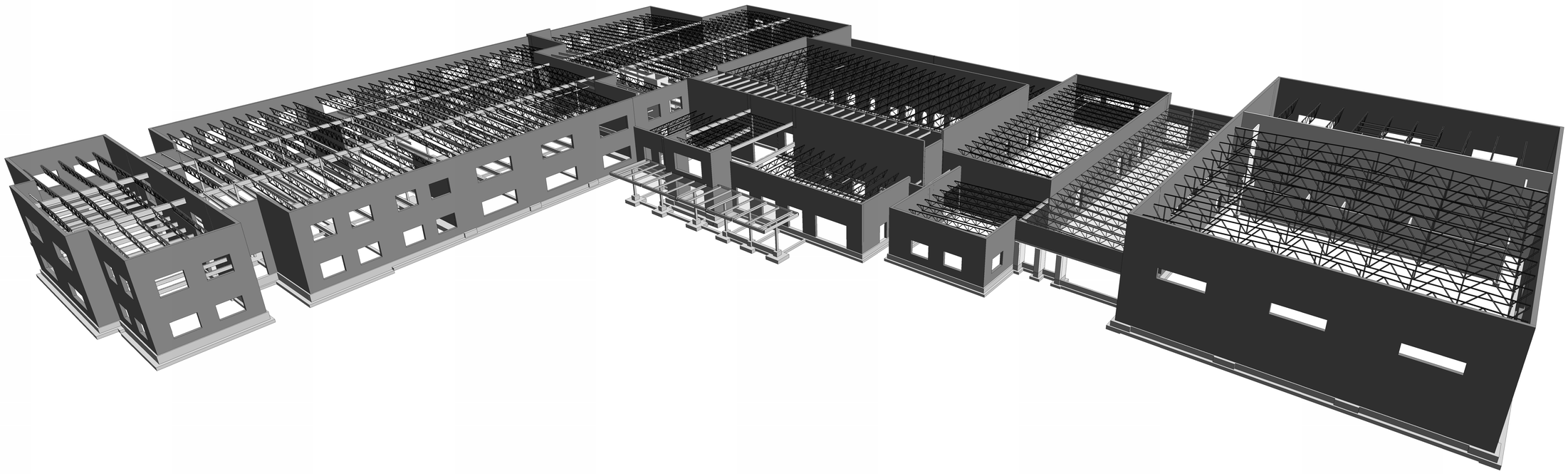
MARK:	DATE:	DESCRIPTION:

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

design west | architects
255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103



SCHEMATIC REFERENCE
SCALE : NONE

A
S-401

BID PACKAGE 1

NOTE: THIS VIEW REPRESENTS A SCHEMATIC RENDERING ONLY AND IS NOT INTENDED TO CONVEY CONSTRUCTION INFORMATION. ALL CONSTRUCTION SHALL COMPLY WITH SPECIFIC NOTES AND DETAILS WITHIN THE STRUCTURAL DRAWINGS.

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795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S, HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

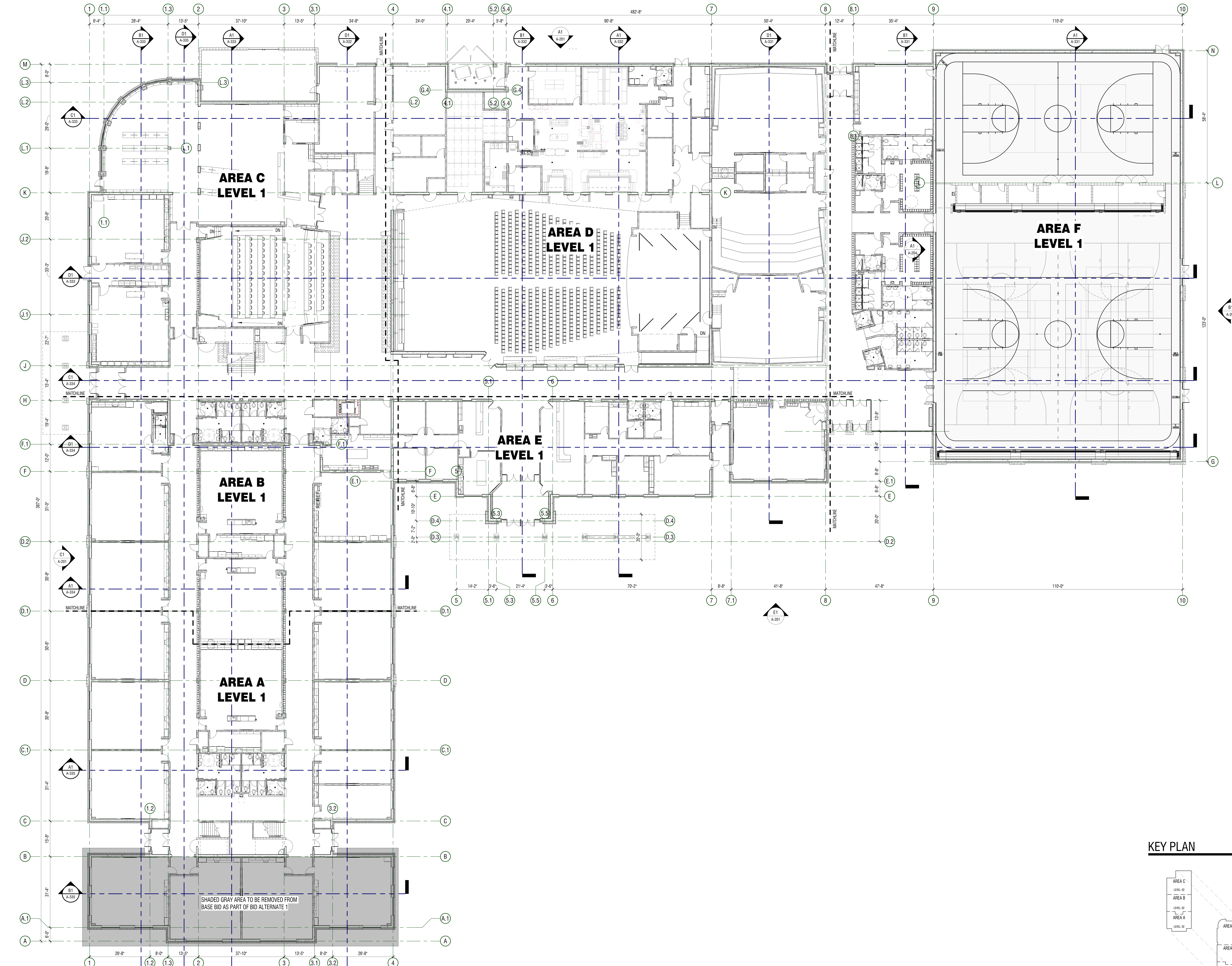
MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: BLP
CHECKED BY: J. Blazzard
ISSUED: 03.14.2024

SCHEMATIC REFERENCE

S-401

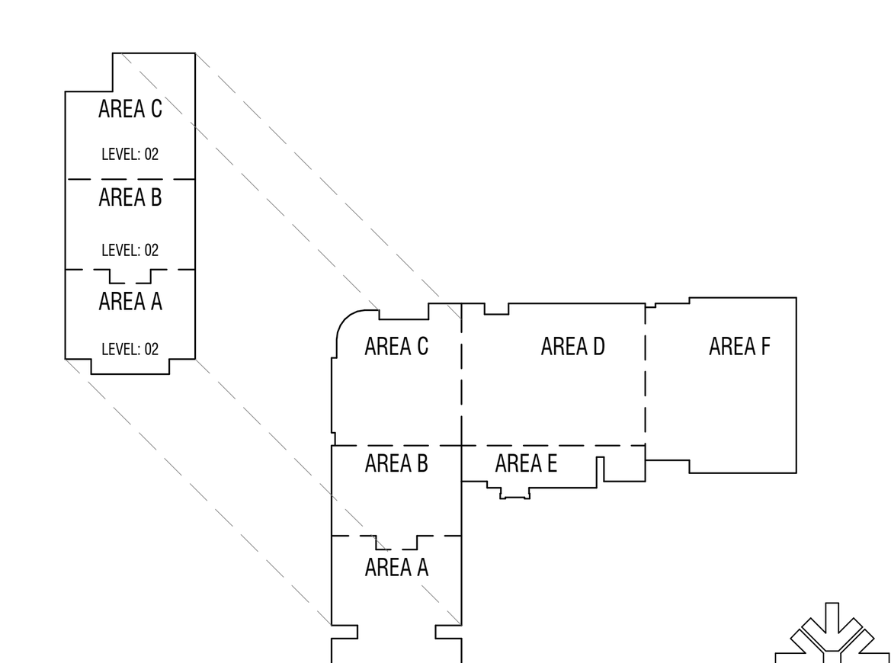
3/14/2024 10:42:21 AM



A1 MAIN FLOOR PLAN

1/16" = 1'-0"

KEY PLAN



PROJECT NORTH HYDE PARK

PROJECT NORTH

BID PACKAGE 1

design west | architects

255 SOUTH 300 WEST LOGAN UT 84321

795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

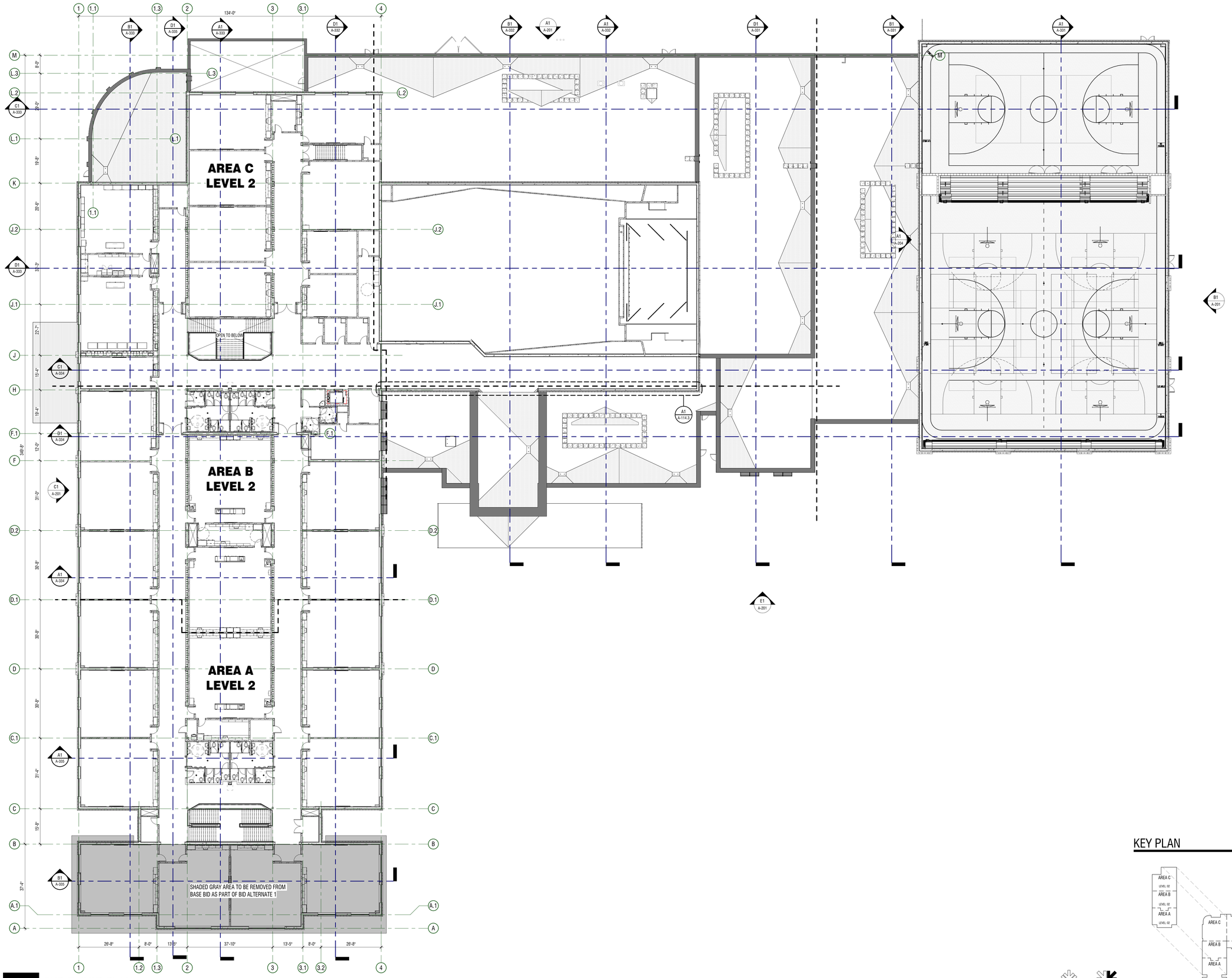
MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	NIELSON
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH · STEPHEN M WILLIAMS · 3/14/2024 · 9842808-0301 · LICENSED ARCHITECT

PLAN - OVERALL
LEVEL 1

A-101



A4

2ND FLOOR PLAN

1/16" = 1'-0"

KEY PLAN

PROJECT NORTH HYDE PARK

PROJECT NORTH

BID PACKAGE 1

design west | architects
255 SOUTH 300 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH

CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

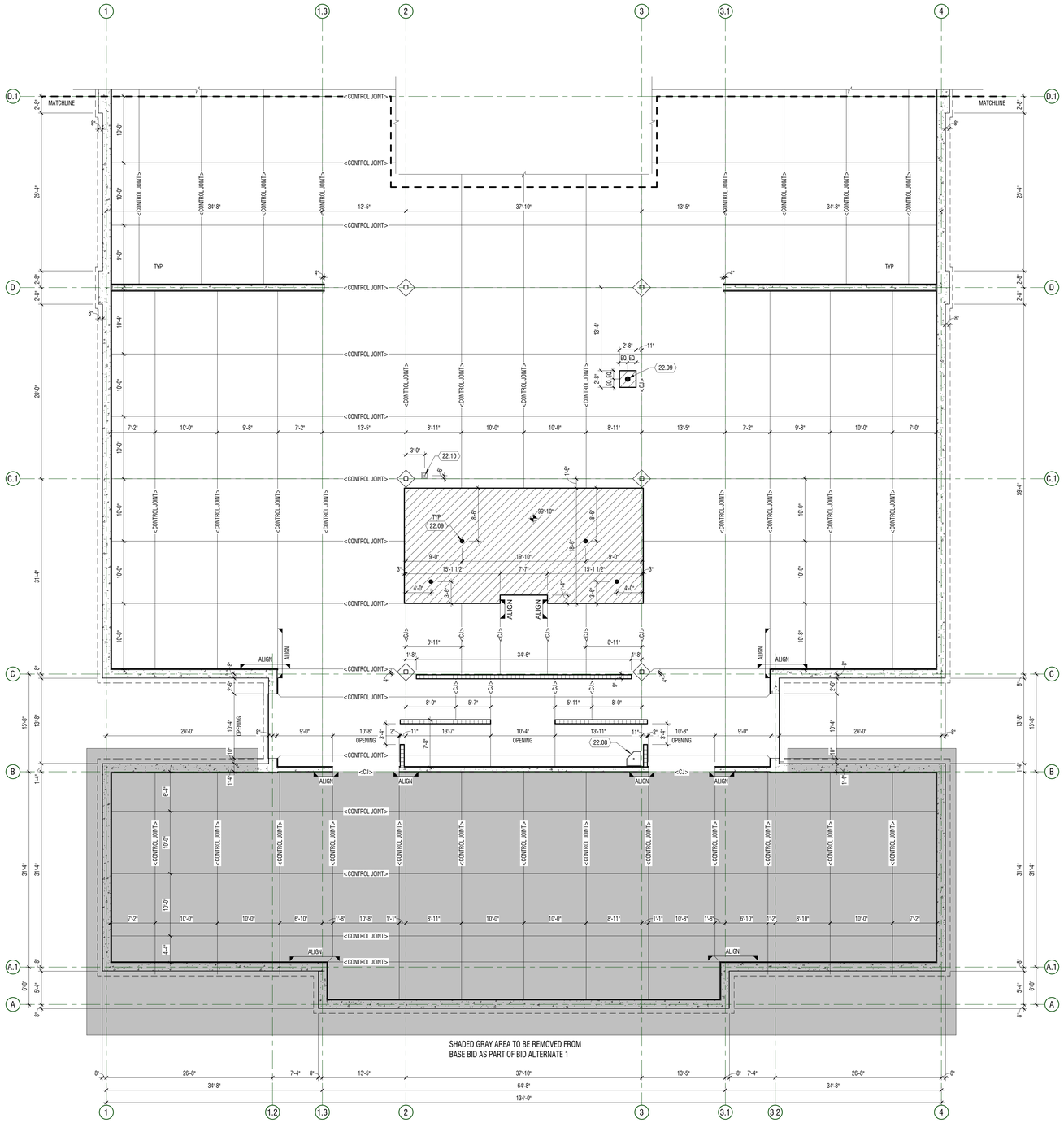
PROJECT #:	123005
DRAWN BY:	NIELSON
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
03/14/2024
LICENSED ARCHITECT

PLAN - OVERALL LEVEL 2

A-102

3/14/2024 2:25 PM



GENERAL NOTES

1. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
2. DIMENSIONS ARE FROM GRID TO CENTERLINE OF COLUMN, DRAINS, ETC., U.N.O. AND EDGE OF ICF FOAM BLOCKS.
3. COORDINATE WITH STRUCTURAL DRAWINGS FOR SIZE AND DEPTH OF FOOTING, METAL DECK, AND OTHER DETAILS.
4. NOT ALL SLAB PENETRATIONS ARE SHOWN ON PLAN. COORDINATE WITH PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL DEVIATIONS.
5. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

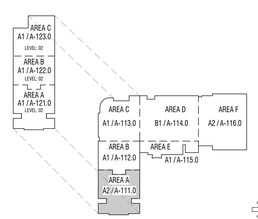
KEYNOTES

#	MARK	DESCRIPTION
	22.08	MOP SINK
	22.09	FLOOR DRAIN
	22.10	FLOOR SINK FOR EQUIPMENT - COORDINATE WITH PLUMBING AND KITCHEN DRAWINGS

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT

KEY PLAN



PROJECT NORTH

BID PACKAGE 1

A2 PLAN - SLAB

1/8" = 1'-0" AREA A - LEVEL 01

design west | architects
255 SOUTH 300 WEST
795 NORTH 400 WEST
LOGAN, UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

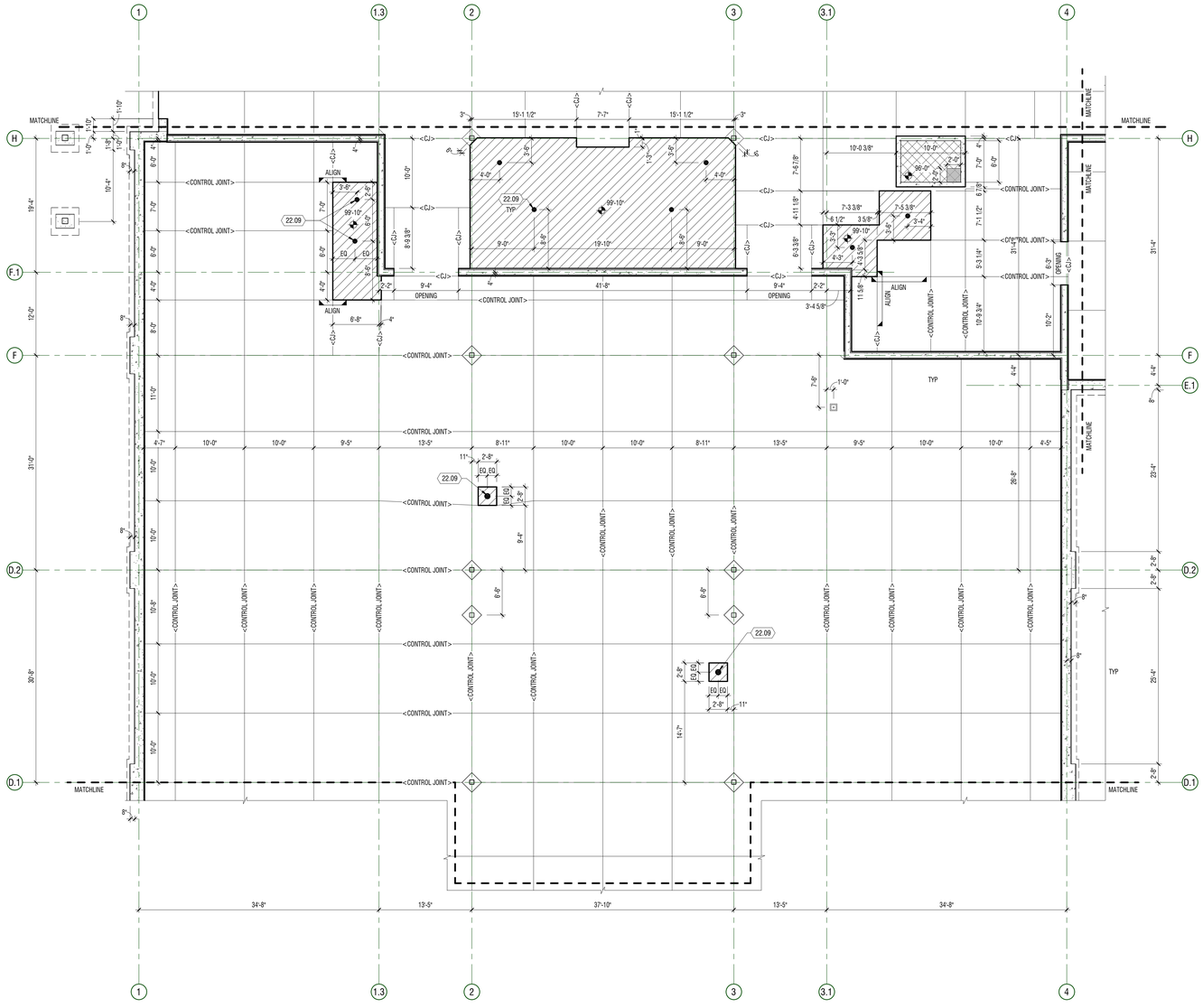
PROJECT #: 123005
DRAWN BY: LOYND
CHECKED BY: RIGBY
ISSUED: 03.14.2024

STATE OF UTAH
STEPHEN H WILLIAMS
05/14/2024
LICENSED ARCHITECT

PLAN - LEVEL 01 - AREA A - SLAB & FOUNDATION

A-111.0

3/14/2024 2:53:08 PM



GENERAL NOTES

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4. NOT ALL SLAB PENETRATIONS ARE SHOWN ON PLAN. COORDINATE WITH PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL DEVIATIONS.
5. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

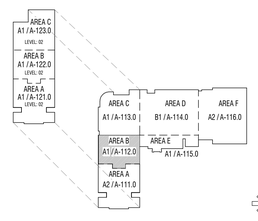
KEYNOTES

#	MARK	DESCRIPTION
	22.09	FLOOR DRAIN

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT

KEY PLAN



PROJECT NORTH

BID PACKAGE 1

design west | architects
255 SOUTH 300 WEST
795 NORTH 400 WEST
LOGAN, UT 84321
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	LOYND
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
03/14/2024
LICENSED ARCHITECT

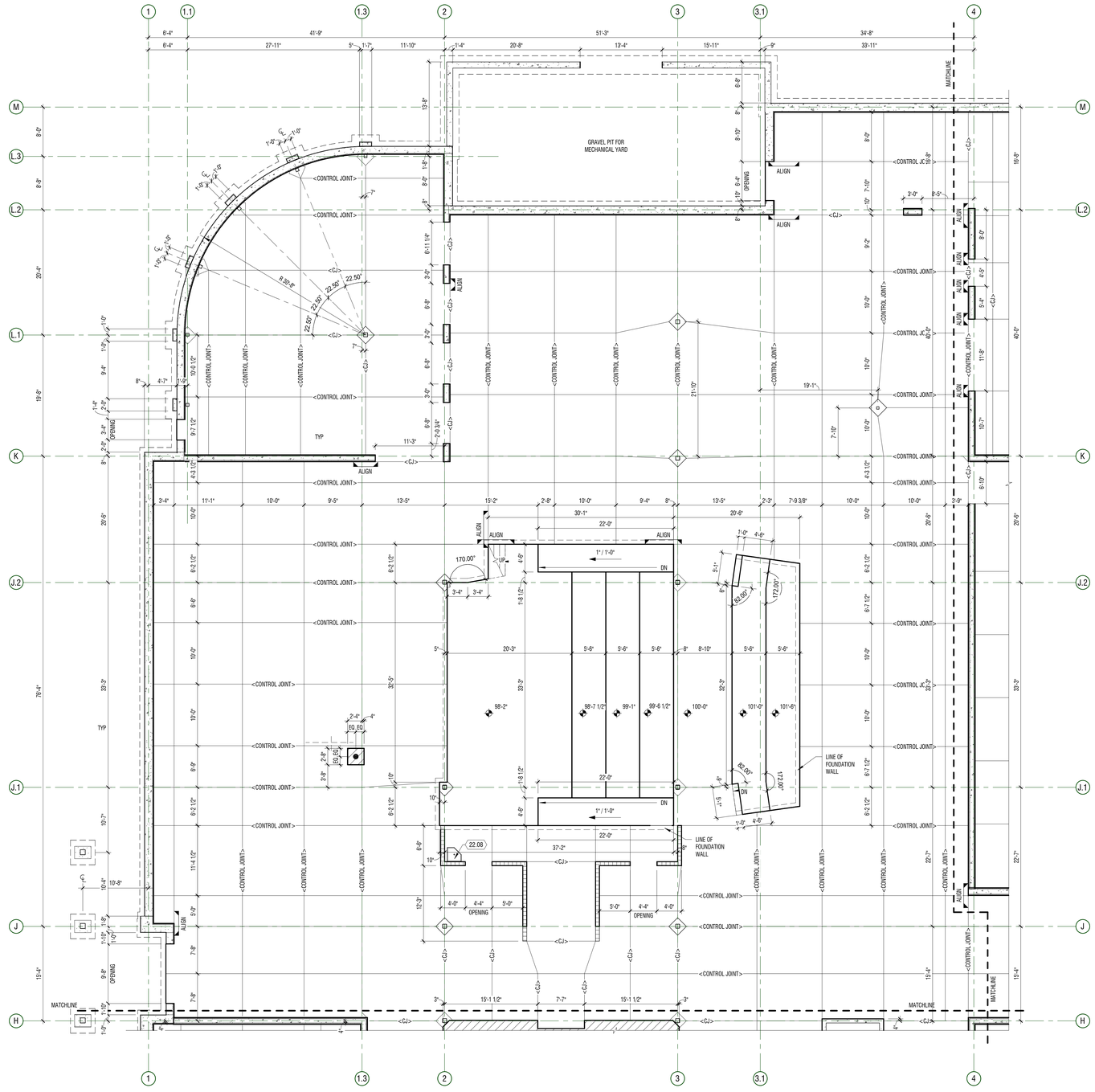
PLAN - LEVEL 01 - AREA B - SLAB & FOUNDATION

A-112.0

A1 PLAN - SLAB

1/8" = 1'-0" AREA B - LEVEL 01

3/14/2024 3:13:13 PM



GENERAL NOTES

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5. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

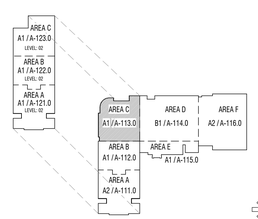
KEYNOTES

#	DESCRIPTION
22.08	MOP SINK

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT

KEY PLAN



PROJECT NORTH

BID PACKAGE 1

A1 PLAN - SLAB

1/8" = 1'-0" AREA C - LEVEL 01

design west | architects
255 SOUTH 300 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL
250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 123005
DRAWN BY: LOYND
CHECKED BY: RIGBY
ISSUED: 03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
05/14/2024
LICENSED ARCHITECT

PLAN - LEVEL 01 - AREA C - SLAB & FOUNDATION

A-113.0

3/14/2024 2:53:28 PM

B1 PLAN - SLAB

1/8" = 1'-0" AREA D - LEVEL 01

GENERAL NOTES

1. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
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5. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

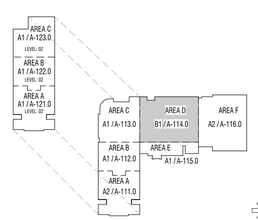
KEYNOTES

#	MARK	DESCRIPTION
	22.08	MOP SINK
	22.09	FLOOR DRAIN
	22.10	FLOOR SINK FOR EQUIPMENT - COORDINATE WITH PLUMBING AND KITCHEN DRAWINGS

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT

KEY PLAN



PROJECT NORTH

BID PACKAGE 1

design west | architects
255 SOUTH 200 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY, UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	LOYND
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN H WILLIAMS
10/14/2024
LICENSED ARCHITECT

PLAN - LEVEL 01 - AREA D - SLAB & FOUNDATION

A-114.0

3/14/2024 2:03:28 PM

GENERAL NOTES

1. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
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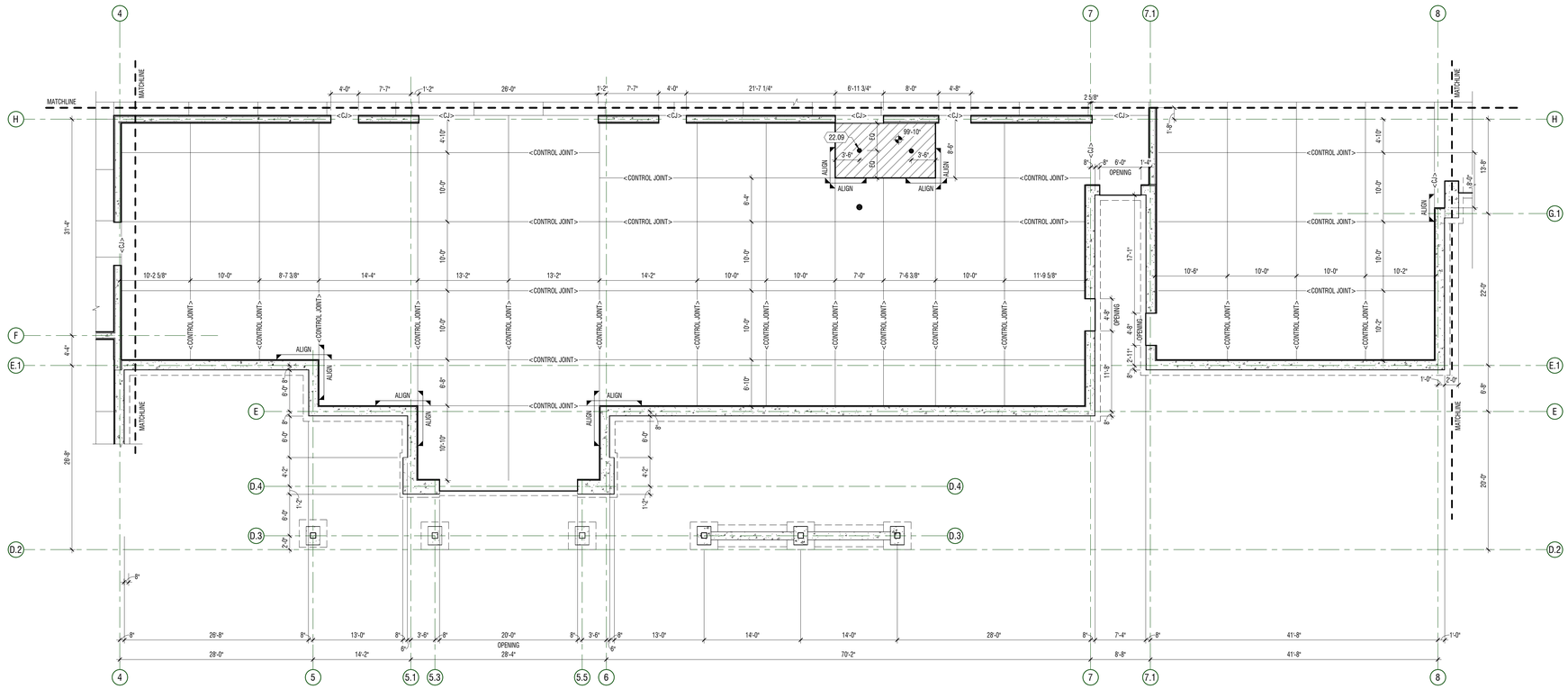
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

KEYNOTES

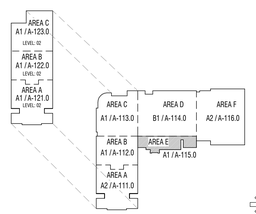
#	MARK	DESCRIPTION
	22.09	FLOOR DRAIN

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT



KEY PLAN



PROJECT NORTH

A1 PLAN - SLAB

1/8" = 1'-0" AREA E - LEVEL 01

design west | architects
255 SOUTH 200 WEST LOGAN, UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

BID PACKAGE 1

MARK:	DATE:	DESCRIPTION:

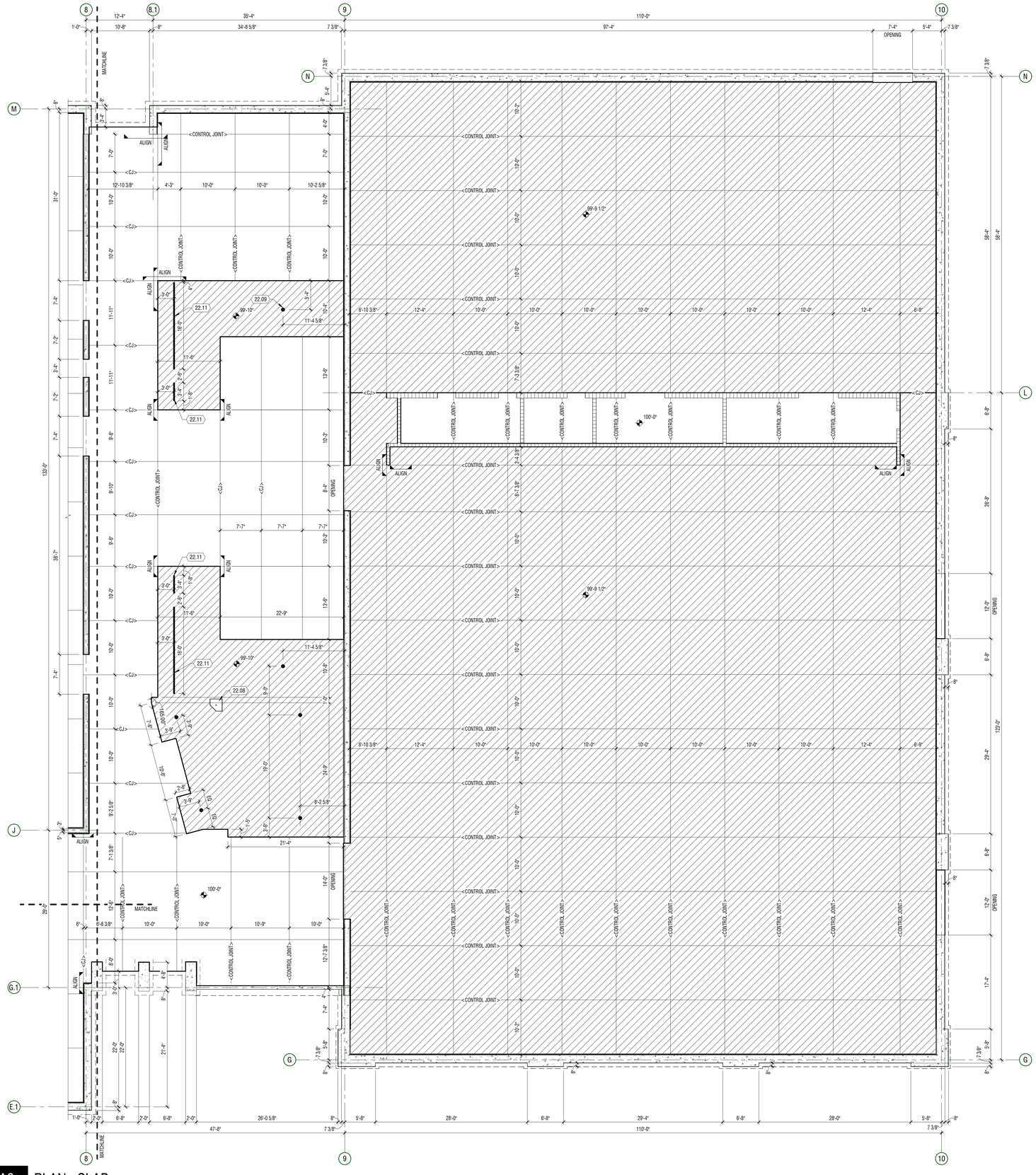
PROJECT #:	123005
DRAWN BY:	LOYND
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
5/14/2024
LICENSED ARCHITECT

PLAN - LEVEL 01 - AREA E - SLAB & FOUNDATION

A-115.0

3/14/2024 2:03:29 PM



GENERAL NOTES

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4. NOT ALL SLAB PENETRATIONS ARE SHOWN ON PLAN. COORDINATE WITH PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL DEVIATIONS.
5. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
6. REVEAL TO OCCUR AT EXTERIOR GRADE, SEE BID PACKAGE 2 FOR PROFILE.

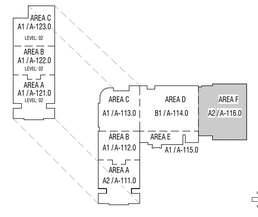
KEYNOTES

#	MARK	DESCRIPTION
	22.08	MOP SINK
	22.09	FLOOR DRAIN
	22.11	LINEAR TRENCH DRAIN

LEGEND

- CONCRETE SLAB
- TUBULAR CONCRETE FORM BLOCK-OUTS
- RECESSED SLAB - SEE PLAN FOR ELEVATION
- ELEVATOR PIT
- 2'-0" x 2'-0" x 2'-0" SUMP AT ELEVATOR PIT

KEY PLAN



PROJECT NORTH

BID PACKAGE 1

design west | architects
255 SOUTH 200 WEST
LOGAN, UT 84321
795 NORTH 400 WEST
SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	LOVND
CHECKED BY:	RIGBY
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
03/14/2024
LICENSED ARCHITECT

PLAN - LEVEL 01
-AREA F - SLAB & FOUNDATION

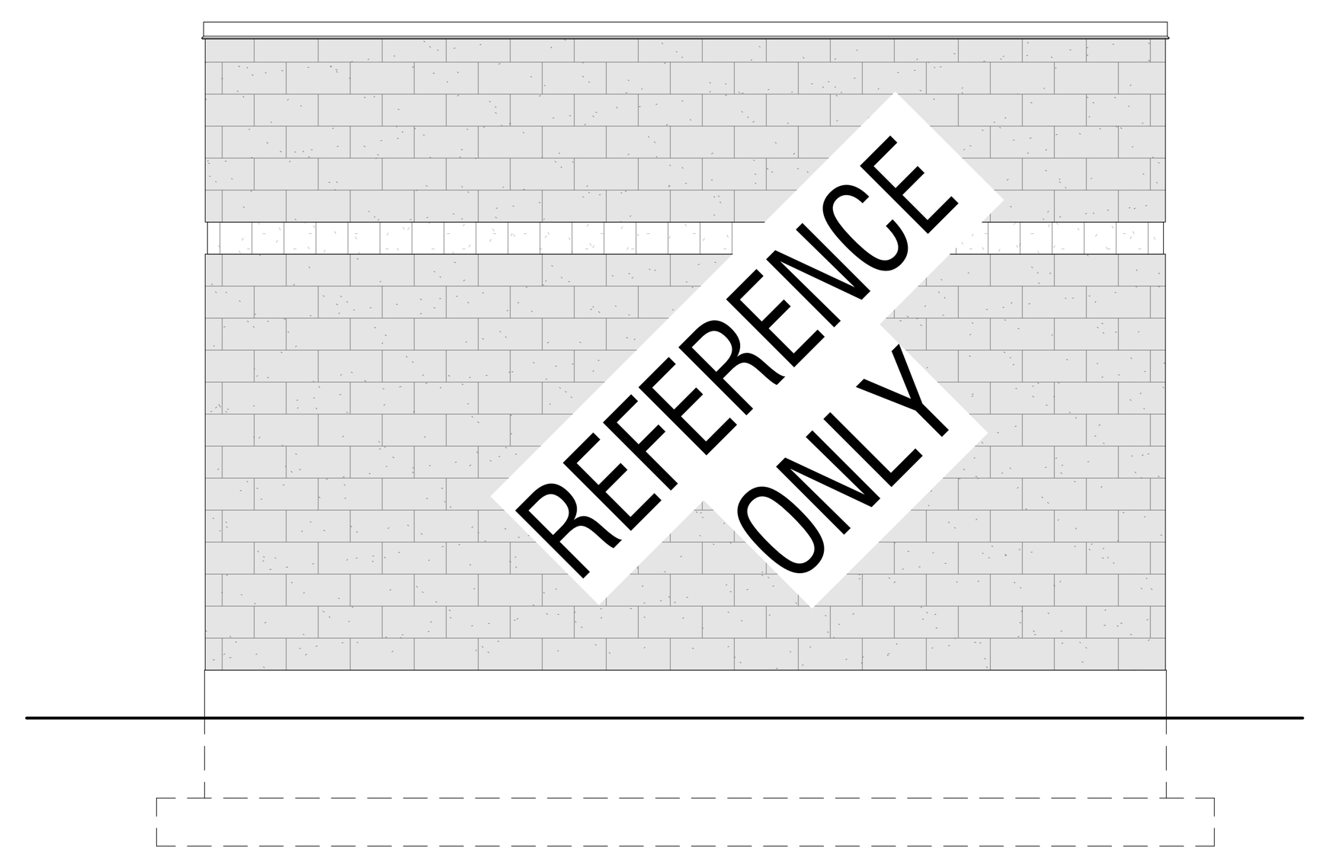
A-116.0

3/14/2024 3:53:38 PM

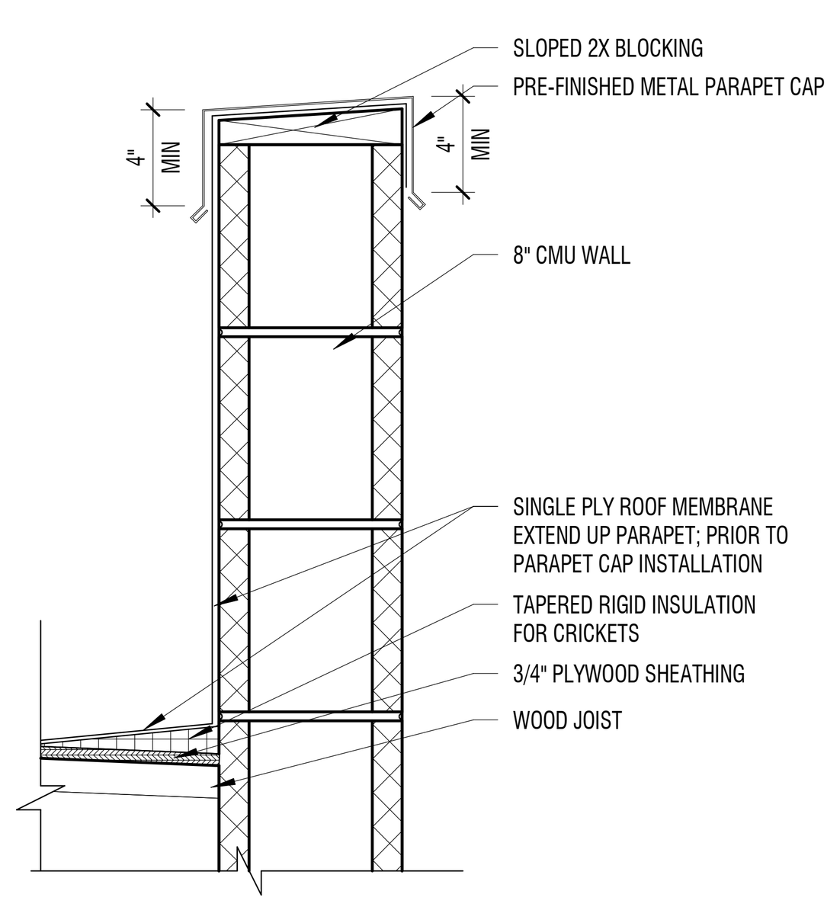
GENERAL NOTES

1. KEYNOTES: # THE FIRST TOW NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISON. THE SECOND SET OF NUMBERS REPRESENT AN IDENTIFING MARK VALUE. NOT ALL MAY BE USED OR OCCURE IN THE DOCUMENT SET.

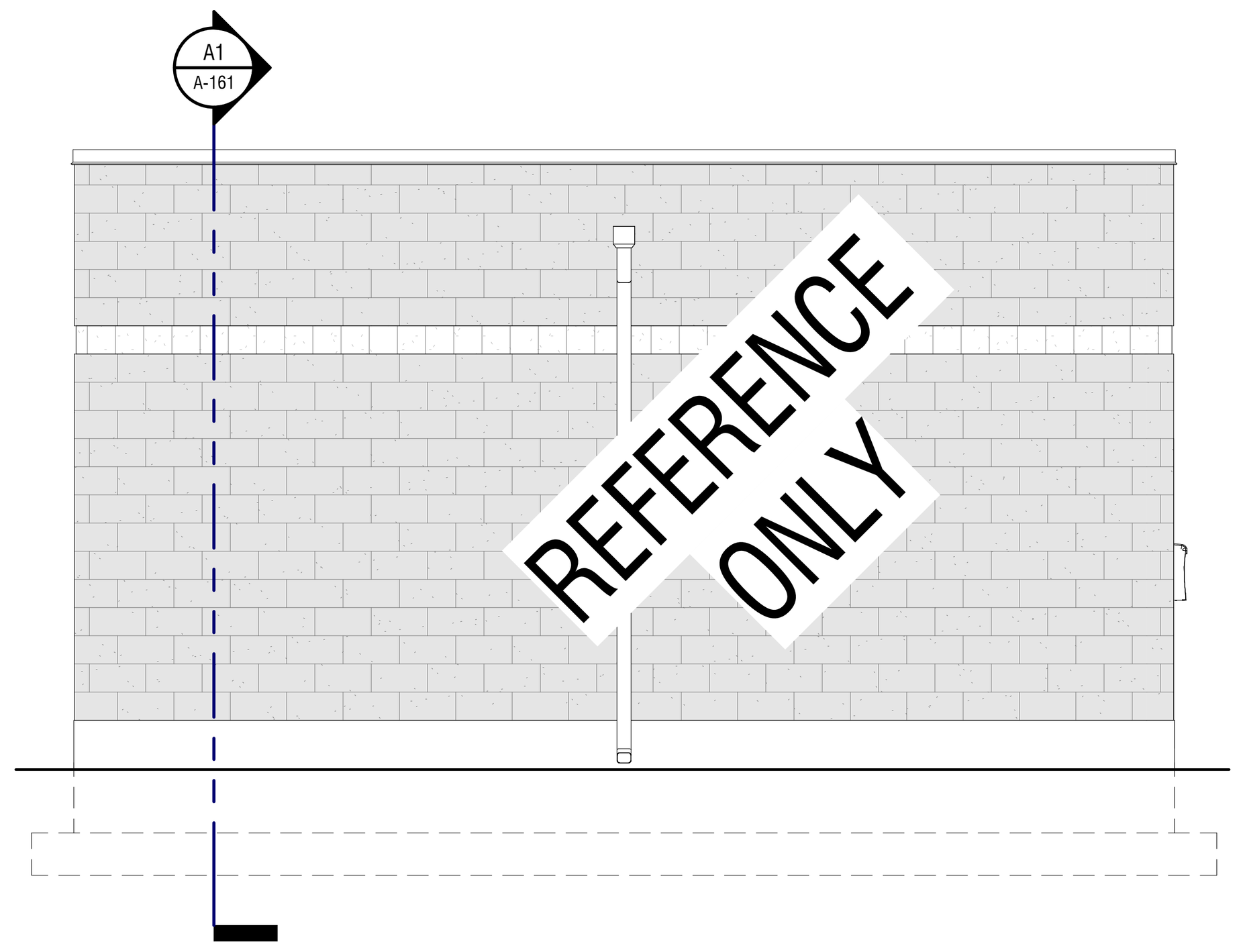
   ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTLISED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO IT'S SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
2. CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
3. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO / FROM FACE OF GRID / FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
4. HOLLOW METAL FRAME AND ALUMINUM WINDOW TYPES 1t ARE SHOWN ON SHEET SERIES A-570. DIMENSIONS TO FRAMES WILL BE TO OUTSIDE EDGE OF FRAME. SEE BOTH THE FLOOR PLAN AND EXTERIOR ELEVATIONS FOR ALL WINDOW TYPE REFERENCES
5. SEE FINISH PLANS FOR SIGNAGE LOCATION, SIGNAGE SYMBOL
6. SEE SHEET SERIES G-004 & A-612 FOR ALL FIRE WALLS, SMOKE WALLS, WALLS TO CEILING LEVEL, SOUND WALLS
7. FEC = FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
8. A1/A-101 INDICATES INTERIOR ROOM ELEVATIONS ON SHEET REFERENCED
9. SEE SITE PLANS FOR EXTERIOR STAIRS, RAILING AND RAMP DETAILS
10. ROLLER SHADES PER FINISH PLANS



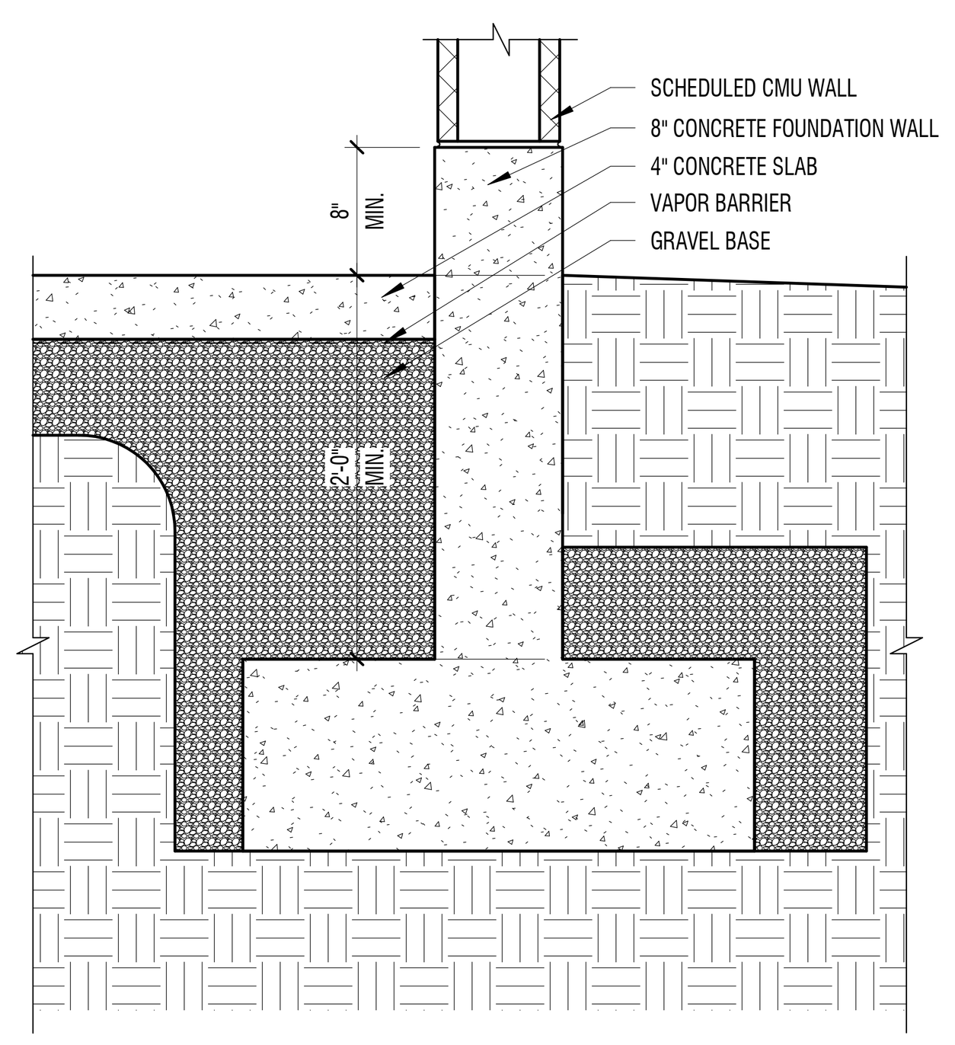
E2 ELEVATION - NORTH
1/4" = 1'-0"



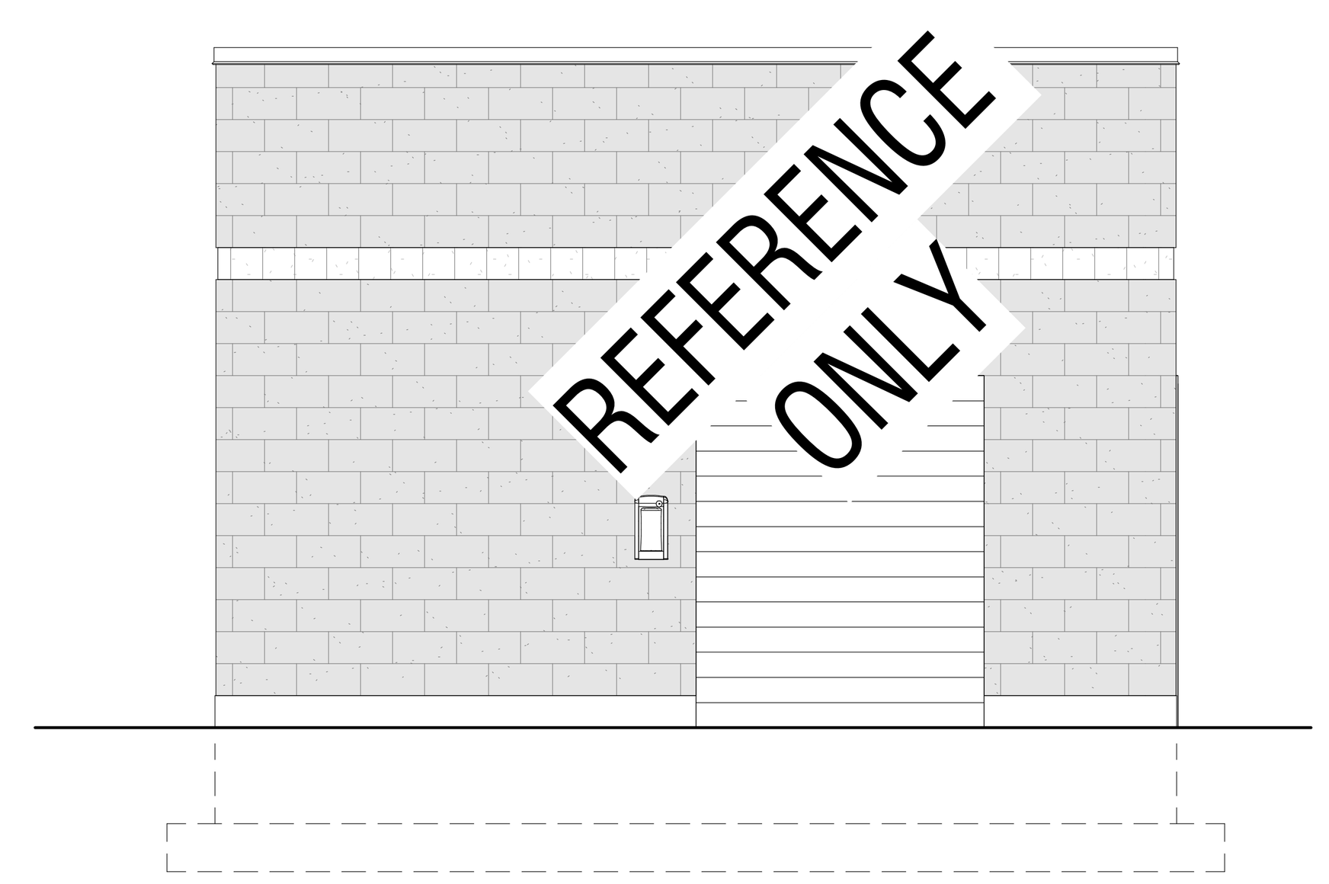
C1 PARAPET DETAIL
1 1/2" = 1'-0"



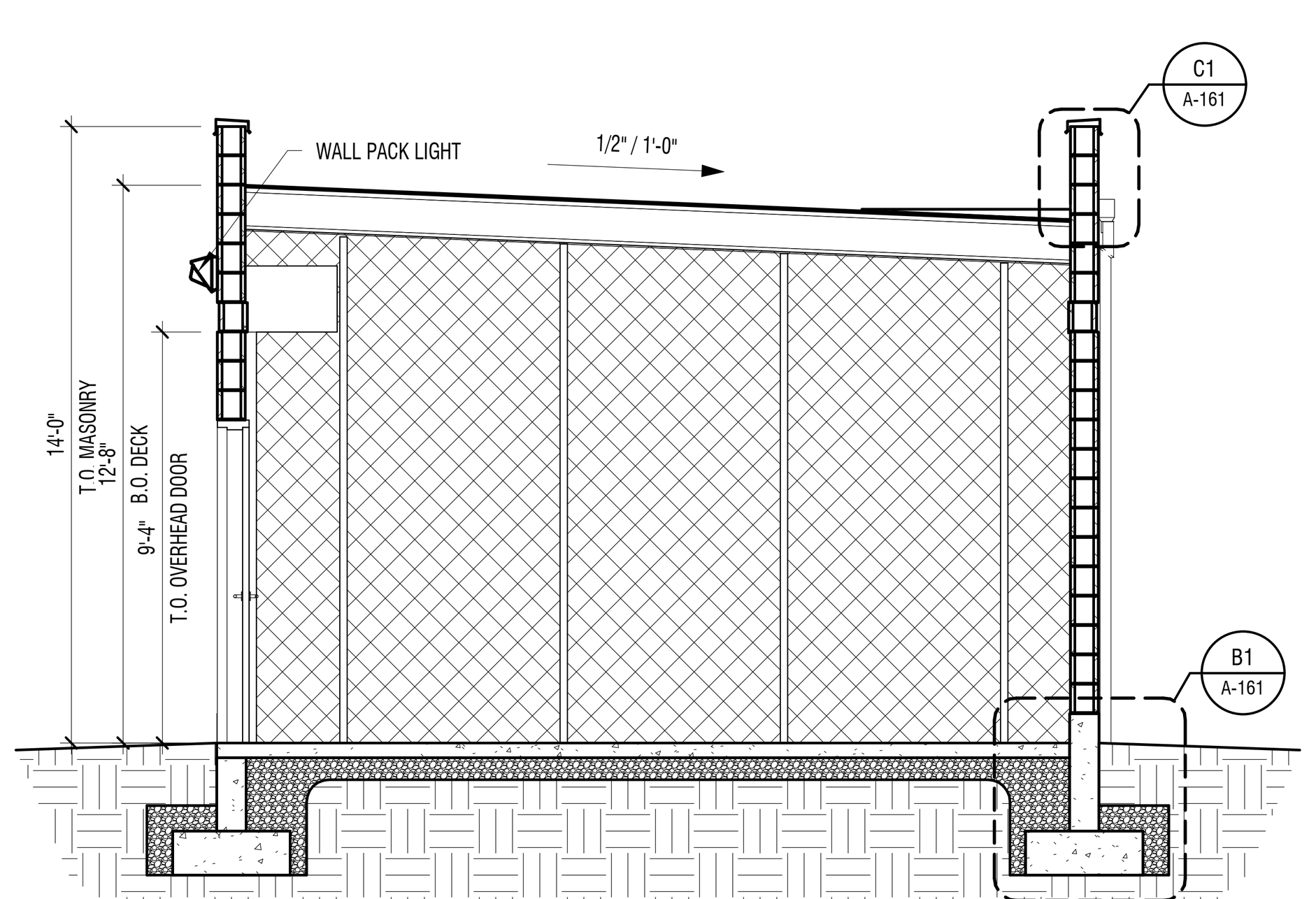
C2 ELEVATION - WEST
1/4" = 1'-0"



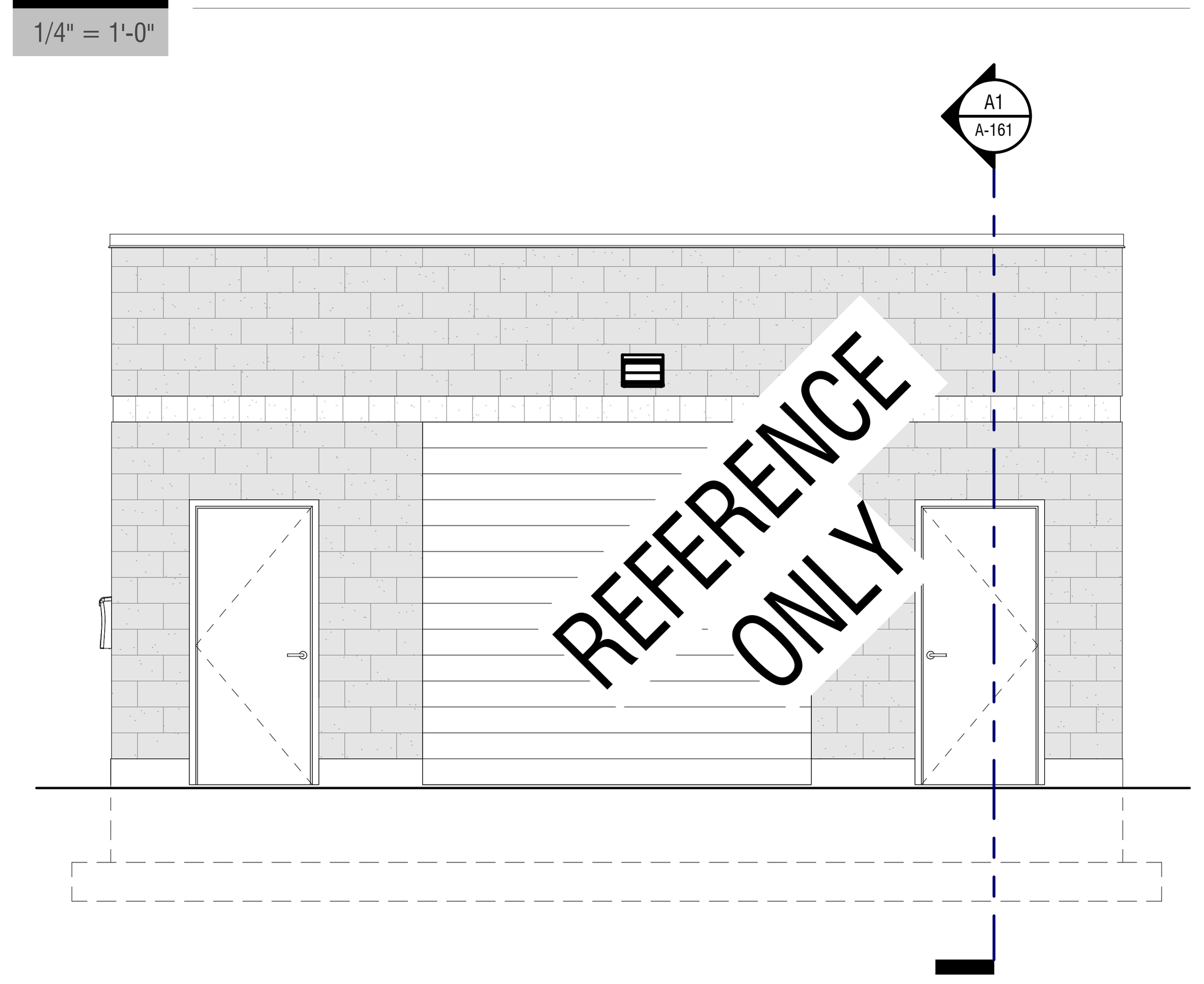
B1 FOUNDATION DETAIL
1" = 1'-0"



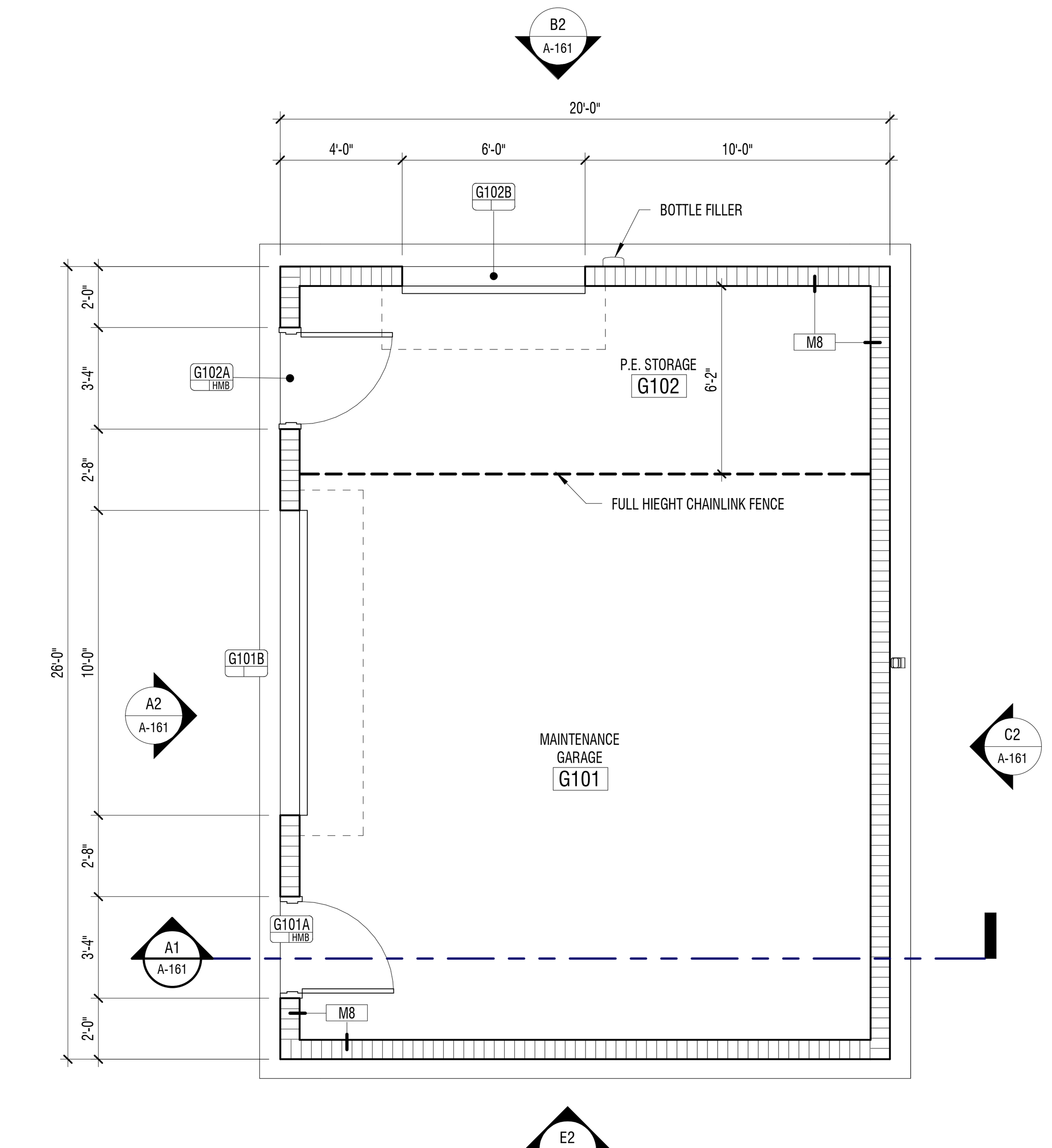
B2 ELEVATION - SOUTH
1/4" = 1'-0"



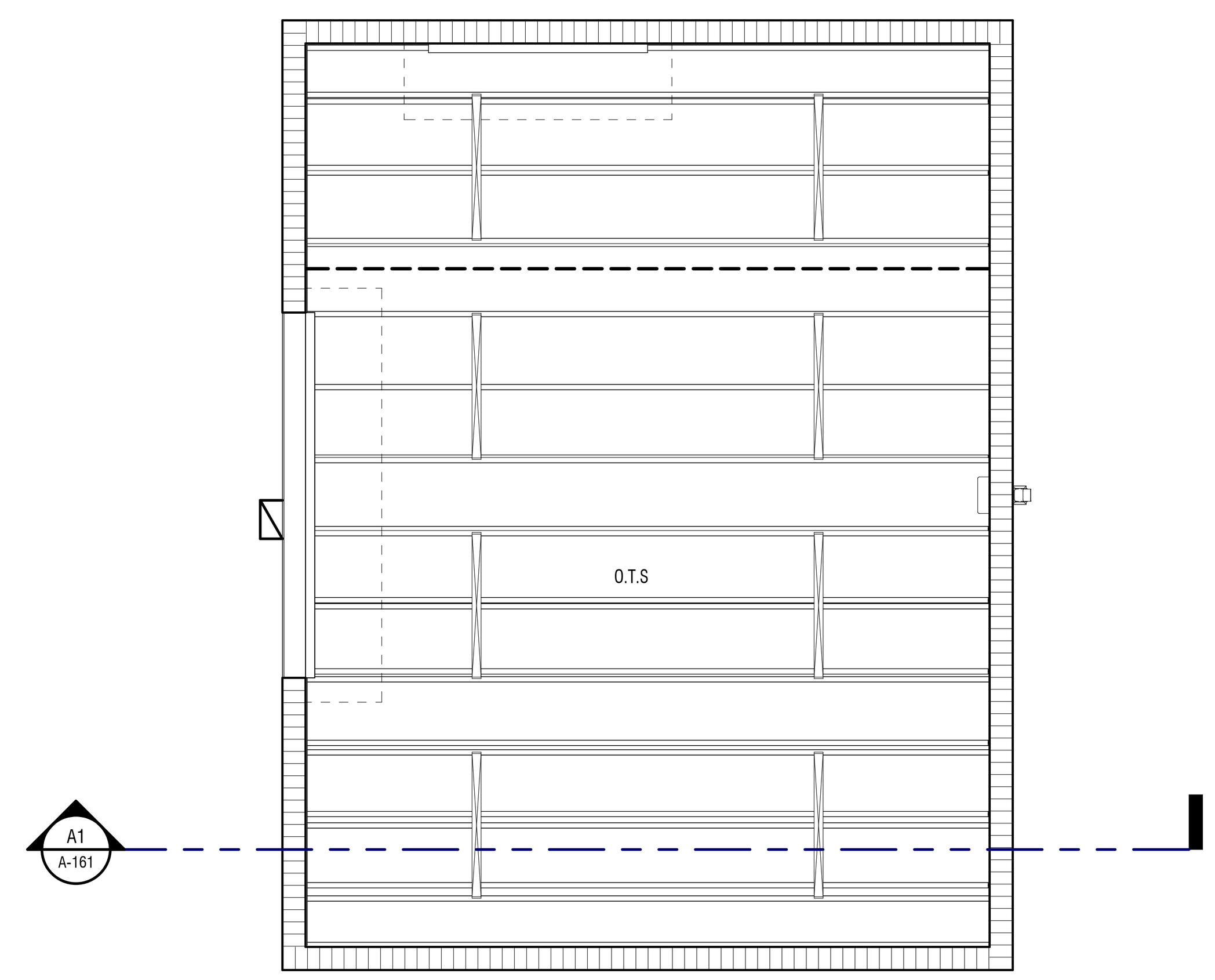
A1 BUILDING SECTION
1/4" = 1'-0"



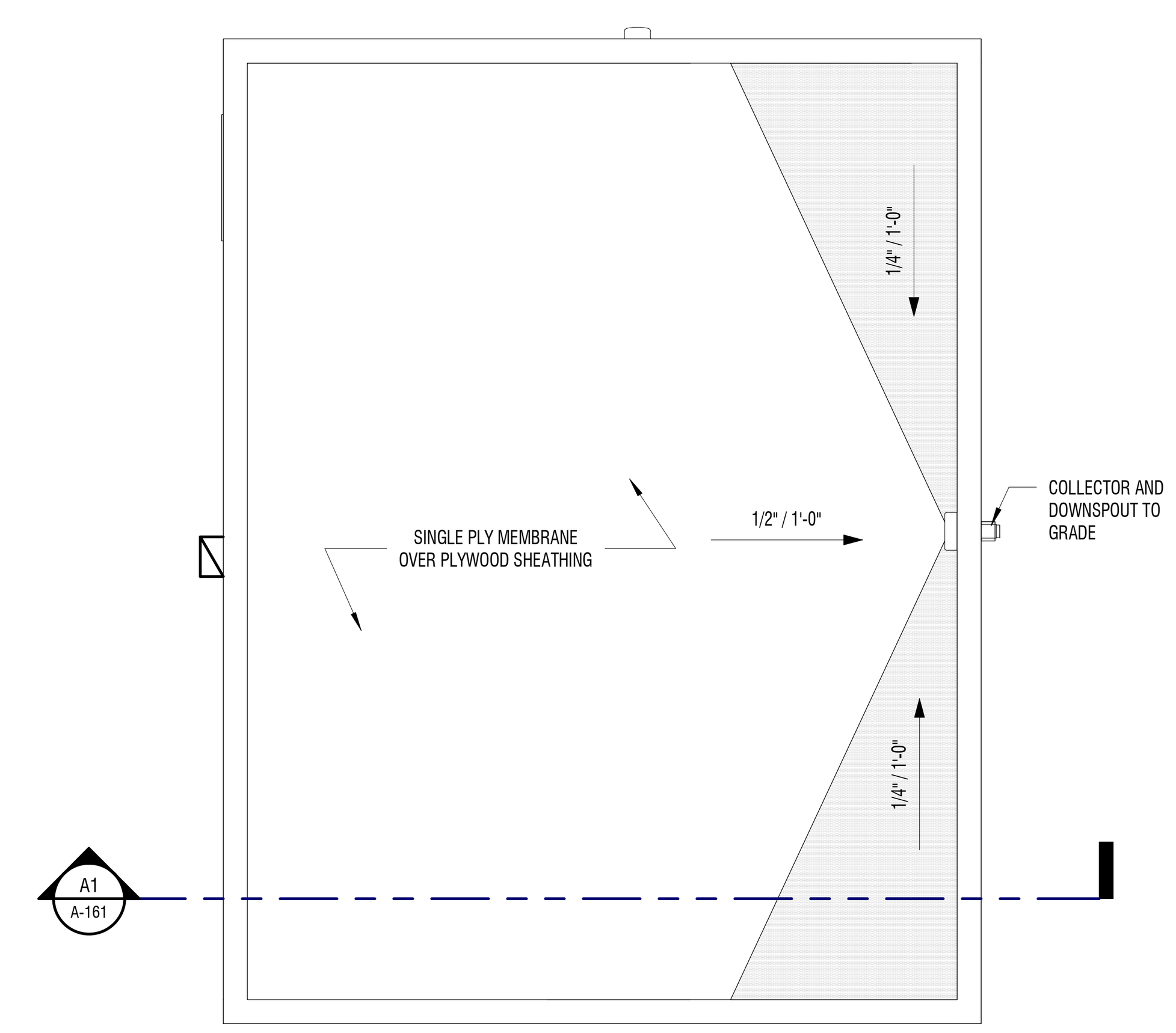
A2 ELEVATION - EAST
1/4" = 1'-0"



C4 STORAGE SHED - FLOOR PLAN
1/4" = 1'-0"
PROJECT NORTH HYDE PARK



B4 STORAGE SHED - RCP
1/4" = 1'-0"
PROJECT NORTH HYDE PARK



A4 STORAGE SHED - ROOF PLAN
1/4" = 1'-0"
PROJECT NORTH HYDE PARK

BID PACKAGE 1

design west | architects
255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

HYDE PARK MIDDLE SCHOOL

250 W 200 S HYDE PARK, UTAH
CACHE COUNTY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

PROJECT #:	123005
DRAWN BY:	CT
CHECKED BY:	MR
ISSUED:	03.14.2024

STATE OF UTAH
STEPHEN M WILLIAMS
3/14/2024
9842608-0301
LICENSED ARCHITECT

STORAGE SHED
A-161