

LOUISA MAY ALCOTT COMMUNITY SCHOOL NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Permit & Bid Set

09.04.2026

PROJECT TEAM

OWNER

LOUISA MAY ALCOTT COMMUNITY SCHOOL
ADDRESS: 106 N. 1230 E. SPRINGVILLE, UT

CONTACT: CARRIE ASHCRAFT
carrie.ashcraft@gmail.com

OWNER'S REP

ROUND TABLE FUNDING
2595 E. 300 S.
MILLCREEK, UT 84109
T: 801.450.8316

CONTACT: CHAD BORUP
chad@roundtablefunding.org

ARCHITECT

BABCOCK DESIGN
52 EXCHANGE PLACE
SALT LAKE CITY, UT 84111
801.531.1144

CONTACT: RICKY PARKINSON
ricky@babcockdesign.com

web@babcockdesign.com

STRUCTURAL ENGINEER

SHB ENGINEERS
2766 SOUTH MAIN STREET
SALT LAKE CITY, UTAH 84115
T: 801.355.5556

CONTACT: CHRIS BRATT
chris.bratt@shbengineers.com

MECHANICAL ENGINEER

LYNK ENGINEERS
505 E SOUTH TEMPLE, SUITE 100
SALT LAKE CITY, UTAH 84102
T: 800.678.7077

CONTACT: REG HAMILTON
reg.hamilton@lynkengineers.com

ELECTRICAL ENGINEER

LYNK ENGINEERS
505 E SOUTH TEMPLE, SUITE 100
SALT LAKE CITY, UTAH 84102
T: 800.678.7077

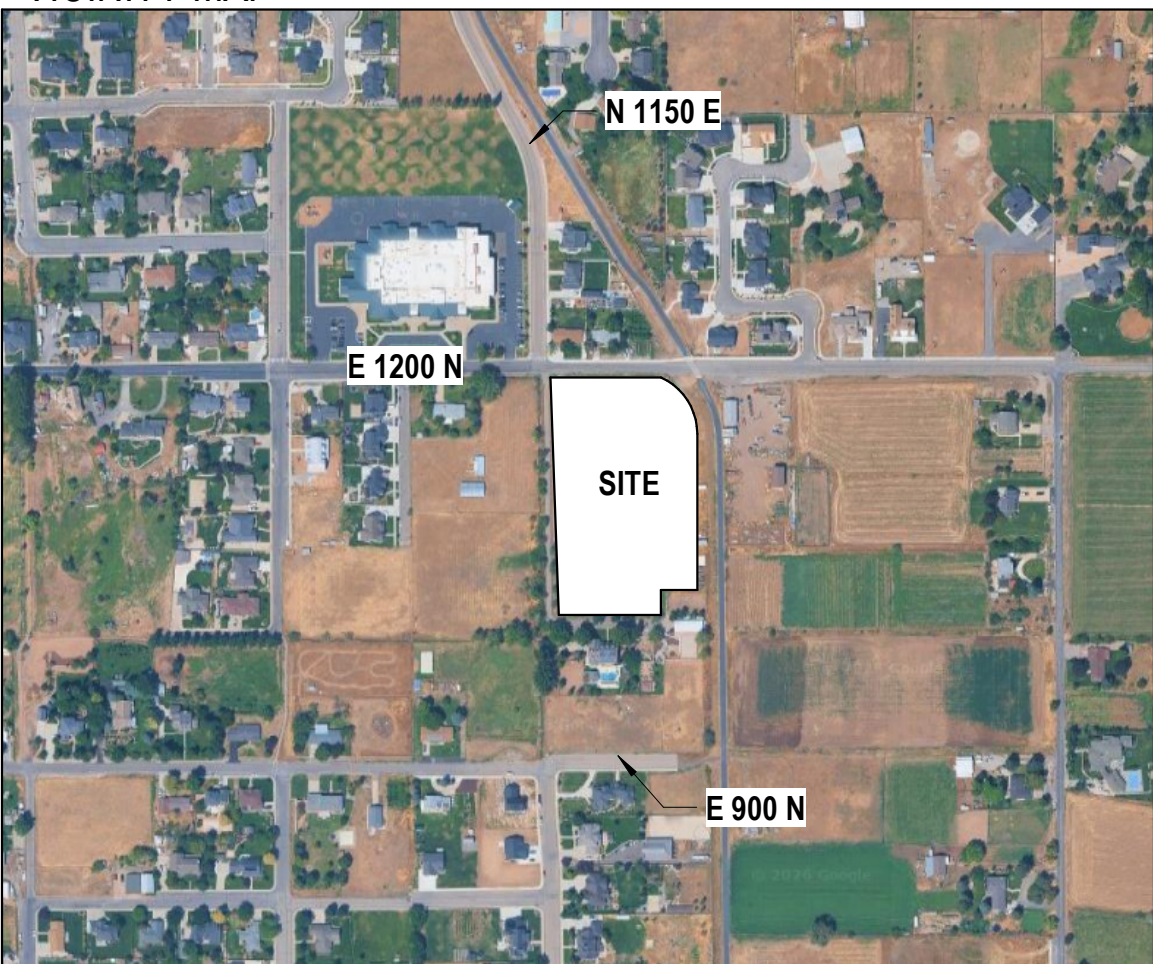
CONTACT: SCOTT KINGERY
scott.kingery@lynkengineers.com

CIVIL ENGINEER

ENSON ENGINEERING
45 WEST SEGO LILY DR.
SANDY, UTAH 84070
T: 801.255.0529

CONTACT: CORY CHILD
cchild@ensengr.com

VICINITY MAP



PROJECT INFORMATION MAIN BUILDING

2024	INTERNATIONAL MECHANICAL CODE (IMC)
2023	NATIONAL ELECTRICAL CODE (NEC)
2024	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2024	INTERNATIONAL FIRE CODE (IFC)
2009	ANSI A117.1

PROJECT DESCRIPTION

DESCRIPTION: A NEW CHARTER SCHOOL BUILDING, SERVING GRADES K-7, WITH ADMINISTRATION, CLASSROOM SPACE, AND A LIBRARY. SITE IMPROVEMENTS INCLUDE PARKING, PICK-UP AND DROP-OFF ZONES, PLAY SPACES, AND A SEPARATE PRE-ENGINEERED WOOD POST BUILDING (SEE POLE BARN).

PROJECT AREA	LEVEL 1	13,684 SF
	LEVEL 2	10,962 SF
	TOTAL	24,246 SF

USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)

GROUP(S): E

GENERAL BUILDING HEIGHTS AND AREAS (IBC CHAPTER 5)

CONSTRUCTION TYPE	V-B		
	ALLOWABLE	ACTUAL	
BUILDING HEIGHT IN FEET (Table 504.3):	40	32	34
BUILDING HEIGHT IN STORIES (Table 504.4):	2	2	2
AREA PER FLOOR (Table 506.2):	28,500	13,684	
ALLOWABLE AREA DETERMINATION (506.2):			
	A_p = ALLOWABLE AREA OF EACH STORY (SQUARE FEET)		
	A_p = TABULAR AREA FACTOR PER TABLE 506.2		
NS = TABULAR ALLOWABLE AREA FACTOR PER TABLE 506.2			
L = AREA FACTOR INCREASE DUE TO INCREASE PER 506.3			
S_p = ACTUAL NUMBER OF BUILDING STORIES			
$A_p = A_p \times (NS \times L)$			
$= 28500 \times (8500 \times 0.75)$			
$= 35,625$ TOTAL SF			
$NS = 9,500$			
$L = 0.75$			
SINGLE-OCCUPANCY BUILDINGS (506.2.1):			
	$A_p = A_p \times (NS \times L)$		
	$= 28500 \times (8500 \times 0.75)$		
	$= 35,625$ TOTAL SF		
$NS = 9,500$			
$L = 0.75$			
TOTAL ALLOWABLE AREA PER FLOOR (SF)	35,625	14,820	
TOTAL ALLOWABLE BUILDING AREA (SF)	71,250	24,246	

TYPES OF CONSTRUCTION (IBC CHAPTER 6)

FIRE RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS (602.1)

STRUCTURAL FRAME	0	HR
BEARING WALLS EXTERIOR	0	HR
BEARING WALLS INTERIOR	0	HR
NONBEARING WALLS INTERIOR	0	HR
FLOOR CONSTRUCTION	0	HR
ROOF CONSTRUCTION	0	HR

CONSTRUCTION CLASSIFICATION (602): V-B

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7)

OPENING FIRE PROTECTION (715)				
TYPE OF ASSEMBLY	WALL RATING	DOOR RATING	DR. VISION PANEL SIZE	GLAZING TRANSOM
SHAFT ENCLOSURES	1	1	100 SQ. IN.	1

INTERIOR FINISHES (IBC CHAPTER 8)

INTERIOR WALL AND CEILING FINISHES: PER TABLE 803.11

OCCUPANCY	INTERIOR EXIT STAIRWAYS, ETC.	CORRIDORS, ETC.	ROOMS AND ENCLOSED SPACES
GROUP E	CLASS B	CLASS C	CLASS C

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEM NFPA 13

MEANS OF EGRESS (IBC CHAPTER 10)

OCCUPANT LOAD (1004):
SEE OCCUPANT LOAD CALCULATIONS ON SHEET G101 FOR MORE INFORMATION

LEVEL 1	460	OCC.
LEVEL 2	411	OCC.
TOTAL	871	OCC.

MEANS OF EGRESS SIZING (1005):
STAIRWAYS = OCCUP. LOAD $\times$ 0.3' / OCC.
 $= 411$ OCCUPANTS $\times$ 0.3
 $= 123.3$ INCHES REQUIRED
 $= 156$ INCHES PROVIDED

OTHER EGRESS COMPONENTS = OCCUP. LOAD $\times$ 0.2' / OCC.
 $= 871$ OCCUPANTS $\times$ 0.2
 $= 174.2$ INCHES REQUIRED
 $= 272$ INCHES PROVIDED

COMMON PATH OF EGRESS TRAVEL (1006):
EXIT ACCESS TRAVEL DISTANCE (1017): 250 FEET

PLUMBING FIXTURE REQUIREMENTS (IBC CHAPTER 29)

SEE PLUMBING FIXTURE CALCULATIONS ON SHEET: G181

THERMAL ENVELOPE (IECC)

CLIMATE ZONE	5
ROOF INSULATION R-VALUE:	R-30
STUD CAVITY INSULATION R-VALUE:	R-19
CONTINUOUS INSULATION R-VALUE:	R-7.5 AT FRAMED WALLS
SLAB/FOUNDATION R-VALUE:	R-10
EXTERIOR GLAZING INFORMATION:	
BASIS OF DESIGN PRODUCT:	PPG SOLARBAN 70 XL CLEAR CLEAR
U-FACTOR:	0.25 Built-Up x sqft) MAXIMUM
SHGC:	0.27 MAXIMUM
EXTERIOR GLAZING SYSTEM INFORMATION:	
BASIS OF DESIGN PRODUCT:	KAWNEER 451T (THERMAL)
U-FACTOR:	0.36 Built-Up x sqft) MAXIMUM
SHGC:	0.25 MAXIMUM
EXTERIOR GLAZING SYSTEM INFORMATION:	
BASIS OF DESIGN PRODUCT:	WINYL AMSCO
U-FACTOR:	0.35 Built-Up x sqft) MAXIMUM
SHGC:	0.25 MAXIMUM
VLT:	0.60

DEFERRED SUBMITTALS

- FIRE SUPPRESSION SYSTEM
 - FIRE ALARM SYSTEM
 - SEISMIC RESTRAINTS (WHERE REQUIRED EXCEPT AS NOTED ON SHEET AS91)
 - FIRE SAFETY AND EVACUATION PLANS
 - EMERGENCY RESPONSE RADIO COVERAGE (IF NEEDED AFTER TESTING)
 - POLE BARN STRUCTURAL ENGINEERING
- NOTES:
ALL DEFERRED SUBMITTALS TO BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
- ALL DEFERRED SUBMITTALS TO BE REVIEWED BY THE ARCHITECT PRIOR TO SUBMITTAL TO THE AUTHORITY HAVING JURISDICTION.

PROJECT INFORMATION POLE BARN

2024	INTERNATIONAL MECHANICAL CODE (IMC)
2023	NATIONAL ELECTRICAL CODE (NEC)
2024	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2024	INTERNATIONAL FIRE CODE (IFC)
2009	ANSI A117.1

PROJECT DESCRIPTION

DESCRIPTION: A NEW POLE BARN SERVING AS GYMNASIUM AND FUTURE CAFETERIA, WITH SOME ASSOCIATED CLASSROOM SPACE AND BATHROOMS.

PROJECT AREA	LEVEL 1	8,102 SF
	TOTAL	8,102 SF

USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)

GROUP(S): E

GENERAL BUILDING HEIGHTS AND AREAS (IBC CHAPTER 5)

CONSTRUCTION TYPE	V8	
	ALLOWABLE	ACTUAL
BUILDING HEIGHT IN FEET (Table 504.3):	60	32
BUILDING HEIGHT IN STORIES (Table 504.4):	2	1
AREA PER FLOOR (Table 506.2):	28,500	8,102
ALLOWABLE AREA DETERMINATION (506.2):		
	A _p = ALLOWABLE AREA OF EACH STORY (SQUARE FEET)	
	A _p = TABULAR AREA FACTOR PER TABLE 506.2	
	NS = TABULAR ALLOWABLE AREA FACTOR PER TABLE 506.2	
	L = AREA FACTOR INCREASE DUE TO FRICTIONAGE PER 506.3	
	S _p = ACTUAL NUMBER OF BUILDING STORIES	
	A _p = A _p × (NS × L)	
	= 28500 × (9500 × 0.75)	
	= 35,625 TOTAL SF	
	NS = 9,500	
	L = 0.75	
SINGLE OCCUPANCY BUILDINGS (506.2.1):		
	A _p = A _p × (NS × L)	
	= 28500 × (9500 × 0.75)	
	= 35,625 TOTAL SF	
	NS = 9,500	
	L = 0.75	
TOTAL ALLOWABLE AREA PER FLOOR (SF)	35,625	7,856

TYPES OF CONSTRUCTION (IBC CHAPTER 6)

FIRE RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS (602.1)		
STRUCTURAL FRAME	0	HR
BEARING WALLS EXTERIOR	0	HR
BEARING WALLS INTERIOR	0	HR
NONBEARING WALLS INTERIOR	0	HR
FLOOR CONSTRUCTION	0	HR
ROOF CONSTRUCTION	0	HR

CONSTRUCTION CLASSIFICATION (602): V-B

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7)

OPENING FIRE PROTECTION (715)				
TYPE OF ASSEMBLY	WALL RATING	DOOR RATING	DR. VISION PANEL SIZE	GLAZING TRANSOM
SHAFT ENCLOSURES	1	1	100 SQ. IN.	1

INTERIOR FINISHES (IBC CHAPTER 8)

INTERIOR WALL AND CEILING FINISHES: PER TABLE 803.11

OCCUPANCY	INTERIOR EXIT STAIRWAYS, ETC.	CORRIDORS, ETC.	ROOMS AND ENCLOSED SPACES
GROUP E	CLASS B	CLASS C	CLASS C

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEM: NFPA 13

MEANS OF EGRESS (IBC CHAPTER 10)

OCCUPANT LOAD (1004):
SEE OCCUPANT LOAD CALCULATIONS ON SHEET G101 FOR MORE INFORMATION

LEVEL 1	173	OCC.
TOTAL	173	OCC.

MEANS OF EGRESS SIZING (1005):
OTHER EGRESS COMPONENTS = OCCUP. LOAD $\times$ 0.2' / OCC.
 $= 173$ OCCUPANTS $\times$ 0.2
 $= 34.6$ INCHES REQUIRED
 $= 272$ INCHES PROVIDED

COMMON PATH OF EGRESS TRAVEL (1006):
EXIT ACCESS TRAVEL DISTANCE (1017): 250 FEET

PLUMBING FIXTURE REQUIREMENTS (IBC CHAPTER 29)

SEE PLUMBING FIXTURE CALCULATIONS ON SHEET: G181

THERMAL ENVELOPE (IECC)

CLIMATE ZONE	5
ROOF INSULATION R-VALUE:	R-30
STUD CAVITY INSULATION R-VALUE:	R-19
SLAB/FOUNDATION R-VALUE:	R-10
EXTERIOR GLAZING SYSTEM INFORMATION:	
BASIS OF DESIGN PRODUCT:	WINYL BY METAL BUILDING MANUFACTURER
U-FACTOR:	0.25 Built-Up x sqft) MAXIMUM
SHGC:	0.25 MAXIMUM
VLT:	0.60

DEFERRED SUBMITTALS

- FIRE SUPPRESSION SYSTEM
 - FIRE ALARM SYSTEM
 - SEISMIC RESTRAINTS (WHERE REQUIRED EXCEPT AS NOTED ON SHEET AS91)
 - FIRE SAFETY AND EVACUATION PLANS
 - EMERGENCY RESPONSE RADIO COVERAGE (IF NEEDED AFTER TESTING)
 - POLE BARN STRUCTURAL ENGINEERING
- NOTES:
ALL DEFERRED SUBMITTALS TO BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
- ALL DEFERRED SUBMITTALS TO BE REVIEWED BY THE ARCHITECT PRIOR TO SUBMITTAL TO THE AUTHORITY HAVING JURISDICTION.

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ELECTRICAL

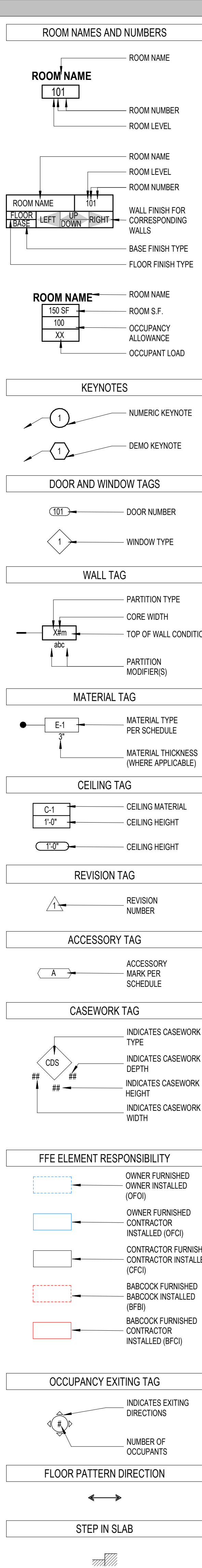
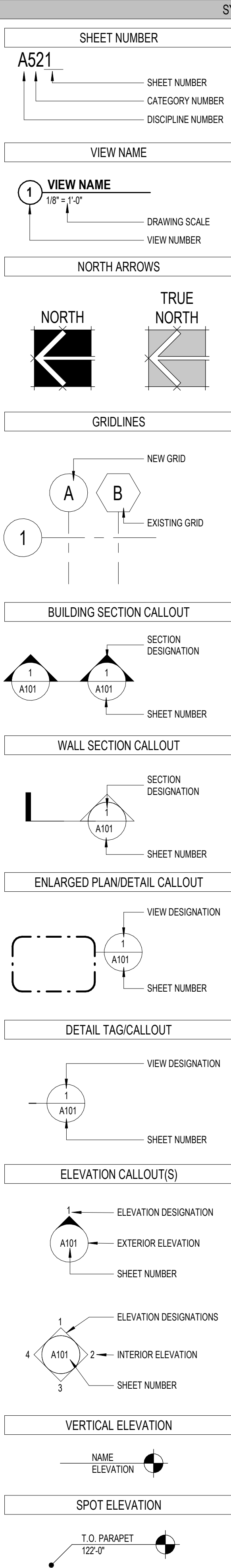
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ABBREVIATIONS	
AC	AIR CONDITIONING
ACST	ACOUSTICAL
ADDM	ADDENDUM
ADJ	ADJUSTABLE
ALLOW	ALLOWABLE
ALUM	ALUMINUM
APPROX	APPROXIMATE
BFB	BABCOCK FURNISHED BABCOCK INSTALLED
BFCI	BABCOCK FURNISHED CONTRACTOR INSTALLED
BLDG	BUILDING
BLOCK	BLOCK
BRK	BRICK
BU	BUILT-UP
BW	BOTH WAYS
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CI	CAST IRON
CJ	CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPACTED / COMPOSITE
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
EAF	EXHAUST FAN
EFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELCT	ELECTRIC / ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EXST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FEN	FOUNDATION
FIN	FINISH
FLR	FLOOR
FR	FIRE-RATED
FTG	FOOTING
G	GAS
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GRD	GRADE
GLB	GLUE-LAM BEAM
GYP	GYPNUM BOARD
HB	HOSE BIB
HBR	HEADER
HM	HOLLOW METAL
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
IRRG	IRRIGATION
JB	JAMB
JNT	JOINT
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MR	MOISTURE RESISTANT
NC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPNG	OPENING
PLYWD	PLYWOOD
PNT	PAINT
PNTD	PAINTED
PR	PAIR
R&S	ROOF AND SHELF
RAD	RADIUS
RD	ROOF DRAIN
REG	REGULAR
RENF	REINFORCED / REINFORCING
REQ'D	REQUIRED
REV	REVISED
RM	ROOM
RO	ROUGH OPENING
RS	ROUGH-SAWN
SC	SOLID CORE
SCHED	SCHEDULE
SHT	SHEET
SM	SIMILAR
SPEC	SPECIFICATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SYS	SYSTEM
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TO	TOP OF
TOF	TOP OF FOOTING
TOW	TOP OF WALL
TYP	TYPICAL
TS	TUBE STEEL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WATER
WD	WOOD
WP	WATERPROOF
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

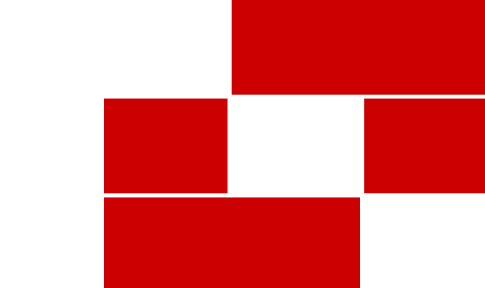
MARK	DESCRIPTION
◊	CEILING SURFACE MOUNTED
⬆	CEILING PENDANT
⬆	SURFACE MOUNTED
⬆	SURFACE MOUNTED PULL CHAIN
⬆	RECESSED DOWNLIGHT
⬆	RECESSED WALL WASHER
⬆	RECESSED 6" CAN LIGHT/FAN COMBO FIXTURE
⬆	RECESSED WATERPROOF 6" CAN LIGHT FIXTURE
⬆	EXHAUST FAN
⬆	INTER-CONNECTING SMOKE DETECTOR
⬆	CONVENIENCE OUTLET 110V
⬆	CONVENIENCE OUTLET 220V
⬆	HALF-SWITCHED DUPLEX OUTLET
⬆	GROUND FAULT INDICATOR DUPLEX OUTLET
⬆	WEATHER PROOF CONVENIENCE OUTLET
⬆	FOURPLEX OUTLET
⬆	FLOOR OUTLET
⬆	SINGLE SWITCH
⬆	3-WAY SWITCH
⬆	4-WAY SWITCH
⬆	LIGHT TRACK
⬆	EXHAUST FAN
⬆	JUNCTION BOX
⬆	TELEVISION OUTLET
⬆	JUNCTION BOX
⬆	HEAVY DUTY GARAGE DOOR OPENER
⬆	TELEPHONE OUTLET
⬆	TELEVISION OUTLET
⬆	FLUORESCENT TUBE FIXTURE
⬆	CEILING FAN

ACOUSTICAL TILE	
ASPHALT	
BRICK	
CAST STONE	
CERAMIC TILE	
CONCRETE	
CONCRETE BLOCK	
EARTH	
EARTH BACKFILL	
ENGINEERED FILL	
FINISH LUMBER	
GLASS	
GRAVEL	
GYPNUM WALL BOARD	
INSULATION - BATT	
INSULATION - RIGID	
PLASTER	
PLYWOOD	
STEEL	
STUD FRAMING - METAL	
STUD FRAMING WOOD	
WOOD BLOCKING	
CONTOUR EXISTING	22'-0"
CONTOUR FINISH	22'-0"
FENCE	X X X
PROPERTY LINE	---
WALL RATINGS	

	NON RATED
	SMOKE PARTITION (NON RATED)
	1 HR FIRE RATED
	1 HR FIRE-SMOKE RATED
	2 HR FIRE RATED
	2 HR FIRE-SMOKE RATED



- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS THAT ARE REQUIRED BEFORE AND DURING THE CONSTRUCTION PROCESS PRIOR TO THE COMMENCEMENT OF ANY WORK, AND SHALL BE REQUIRED TO CONTACT THE PROPER AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL CAREFULLY READ, STUDY, AND UNDERSTAND ALL PLANS AND SPECIFICATIONS FOR TRADES. COORDINATION BETWEEN TRADES WILL BE NECESSARY AND THE RESPONSIBILITY OF THE CONTRACTOR. ANY QUESTIONS THAT ARISE SHALL BE CLARIFIED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
- CONTRACTOR WILL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS, ETC. AT THE SITE AND WILL COORDINATE WORK PERFORMED BY ALL TRADES.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONAL DISCREPANCIES ARE TO BE CLARIFIED WITH THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO EXCAVATION. CONTACT BLUE-SLATE OR AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR WILL NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND / OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS WILL GOVERN.
- THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
- SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW. COORDINATE WITH ADDITIONAL GENERAL NOTES, ENERGY CONSERVATION NOTES, AND STRUCTURAL NOTES.
- SHOP DRAWINGS WILL BE PROVIDED TO THE CONTRACTOR BY SUPPLIER OR PRODUCT MANUFACTURER PRIOR TO INSTALLATION, FABRICATION, OR ERECTION OF ANY PREFABRICATED OR MANUFACTURER DESIGNED COMPONENTS. THESE DRAWINGS WILL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THIS STRUCTURE RESIDES. COPIES OF THE SHOP DRAWINGS ARE TO BE PROVIDED TO THE ARCHITECT FOR REVIEW PRIOR TO ORDERING OR INSTALLATION.
- ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES INCLUDING THE CURRENTLY ADOPTED INTERNATIONAL BUILDING CODE, COVENANTS AND RESTRICTIONS AND LOCAL BUILDING AND HOUSING STANDARDS.
- IN NO EVENT SHALL THE CONTRACTOR SUBSTITUTE A STANDARD CONSTRUCTION DETAIL FOR A DETAIL SPECIFIED IN THESE DOCUMENTS. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS AS THE ARCHITECT ORDERS BEFORE APPROVAL OF THAT CONSTRUCTION WILL BE GRANTED. NOTES AND DETAILS ON THE DRAWINGS WILL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- IN INSTANCES WHERE ITEMS ARE TO BE SELECTED BY OWNER, THE DETAILS PROVIDED BY THE ARCHITECT ARE OF A GENERIC NATURE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE SELECTED MANUFACTURERS' SPECIFIC DETAILS WITH THE PROVIDED DETAILS AND ADJUST CONSTRUCTION ACCORDINGLY. IN SUCH INSTANCES CONSULT WITH THE ARCHITECT / ENGINEER PRIOR TO INSTALLATION. THE SELECTED MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES, INDUSTRY STANDARDS, AND APPLICABLE CODE REQUIREMENTS MUST BE FOLLOWED.
- IN INSTANCES WHERE ITEMS ARE TO BE SELECTED BY OWNER, ORDERING, DELIVERY, OR INSTALLATION WILL NOT TAKE PLACE UNTIL WRITTEN AUTHORIZATION IS OBTAINED FROM THE OWNER OR OWNERS AGENT.
- ALL WATER HEATERS ARE TO HAVE SEISMIC TIE DOWNS. PROVIDE AN UNOBSTRUCTED WORKING SPACE NOT LESS THAN 30" IN DEPTH, AND CLEAR ACCESS OF 36" IN WIDTH IN FRONT OF FIREBOX.
- PROVIDE A CONTINUOUS 3/4" BEAD OF 100% SILICONE SEALANT AT ALL EXTERIOR JOINTS - SEE SPECIFICATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR ALL FOOTING AND FOUNDATION WALLS, CONCRETE REINFORCING, BEARING WALLS, SHEAR WALLS, COLUMNS, BEAMS, PRIMARY STRUCTURAL FRAMES, FLOOR FRAMING, ROOF FRAMING, SECONDARY FRAMING, AND ASSOCIATED CONNECTION DETAILS. COORDINATE ALL RELATED WORK WITH GENERAL STRUCTURAL NOTES, SCHEDULES, AND DETAILS.
- REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL EQUIPMENT, PANEL LOCATIONS, WIRING DIAGRAMS, AND FIXTURE LOCATIONS. COORDINATE ANY RELATED WORK WITH GENERAL ELECTRICAL NOTES AND ELECTRICAL FIXTURE SCHEDULES.
- REFER TO MECHANICAL DRAWINGS FOR ALL MECHANICAL EQUIPMENT, DUCT WORK, MECHANICAL PIPING, AND EXHAUST. COORDINATE ANY RELATED WORK WITH GENERAL MECHANICAL NOTES, SCHEDULES, AND DETAILS.
- REFER TO PLUMBING DRAWINGS FOR ALL PLUMBING EQUIPMENT, FIXTURES, AND RELATED PIPING, I.E., STORM SEWER, SANITARY SEWER, AND DOMESTIC WATER SUPPLY. COORDINATE ANY RELATED WORK WITH GENERAL PLUMBING NOTES, SCHEDULES, AND DETAILS.
- CONTRACTOR AND ALL SUBCONTRACTORS WILL PERFORM THEIR TRADES AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE CURRENTLY ADOPTED INTERNATIONAL BUILDING CODE. THE CONTRACTOR WILL COORDINATE ALL REQUIRED INSPECTIONS AND WILL NOT PROCEED WITH WORK UNTIL THE REQUIRED INSPECTIONS HAVE BEEN COMPLETED.
- ANY SPECIAL INSPECTION REQUIRED BY THE BUILDING OFFICIAL OR THE BUILDING CODE ARE NOT THE RESPONSIBILITY OF THE ARCHITECT.
- CONTRACTOR WILL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
- DURING CONSTRUCTION OPEN EXCAVATIONS AND TRENCHES WILL BE SUPPORTED AND BARRICADED BY CONTRACTOR TO CONFORM WITH OSHA SAFETY STANDARDS.
- TEMPORARY BRACING WILL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING WIND. SUCH BRACING WILL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY, OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETE.
- PROVIDE AN OBVIOUS TURN OFF FOR WATER SUPPLY IN MECHANICAL AREA.
- FINISH GRADE TO SLOPE AWAY FROM STRUCTURE 6" MIN. IN FIRST 10' AND 2% THERE AFTER. COORDINATE WITH CIVIL.
- ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FOUNDATION WALL UNLESS OTHERWISE NOTED.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE TREATED.
- COORDINATE WITH FRAMING PLANS FOR LOCATIONS OF COLUMNS, BEAMS, MOMENT FRAMES, ETC.
- VISITS TO THE JOB SITE BY THE ARCHITECT OR HIS CONSULTANTS DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS. ANY SUCH VISITS ARE SOLELY FOR THE PURPOSE OF OBSERVING THE WORK BEING PERFORMED.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

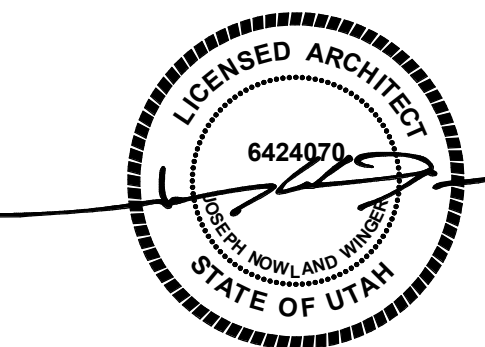
Num. Description Date

Project Number 26526
Original Issue 09/04/2026
Project Status Permit & Bid Set

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Sheet Title
GENERAL NOTES,
LEGENDS,
ABBREVIATIONS, AND
SYMBOLS
Sheet Number

G002

OCCUPANCY LOAD CALCULATION PER 2024 IBC TABLE 1004.5					
NUMBER	NAME	ROOM OCCUPANCY	AREA	S.F. PER PERSON	# OF OCCUPANTS
LEVEL 1					
100	CORRIDOR	(none)	632.89 SF	0	0
101	VESTIBULE	(none)	224.04 SF	0	0
102	FOYER	(none)	280.89 SF	15	19
102A	FOYER SITTING	Assembly - Unconcentrated (tables and chairs)	190.17 SF	15	13
103	RECEPTION	Business Areas	106.67 SF	150	1
110	OFFICE COR.	(none)	89.54 SF	0	0
111	STORE	Business Areas	157.39 SF	150	2
112	SHARED OFFICE / COPIER	Business Areas	180.65 SF	150	2
113	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	35.20 SF	300	1
114	OFFICE	Business Areas	114.15 SF	150	1
115	OFFICE	Business Areas	114.15 SF	150	1
120	CORRIDOR A	(none)	812.00 SF	0	0
121	VESTIBULE A	(none)	78.94 SF	0	0
122	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
123	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
124	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
125	RESTROOM	(none)	44.18 SF	0	0
126	OFFICE	Business Areas	67.49 SF	150	1
128	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
129	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
130	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
131	FIRE RISER A	Accessory Storage Areas, Mechanical Equipment Room	94.38 SF	300	1
132	STAIR A	(none)	181.17 SF	0	0
133	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	73.29 SF	300	1
141	LIBRARY STACKS	Library - Stack Area	1,050.37 SF	100	11
142	LIBRARY READING	Library - Reading Rooms	556.65 SF	50	12
143	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	97.54 SF	300	1
150	CORRIDOR B	(none)	630.87 SF	0	0
151	VESTIBULE B	(none)	90.49 SF	0	0
152	ELEV.	(none)	57.84 SF	0	0
153	RESTROOM	(none)	56.66 SF	0	0
154	BOYS	(none)	183.14 SF	0	0
155	GIRLS	(none)	183.14 SF	0	0
157	JANITOR	Accessory Storage Areas, Mechanical Equipment Room	51.73 SF	300	1
160	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	73.29 SF	300	1
161	STAIR B	(none)	180.83 SF	0	0
162	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	731.60 SF	15	49
163	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	706.11 SF	15	48
164	RESTROOM	(none)	46.07 SF	0	0
Grand total			12,552.72 SF		460

200	CORRIDOR	(none)	224.54 SF	0	0
201	ADMIN	Business Areas	84.15 SF	150	1
202	OFFICE	Business Areas	84.15 SF	150	1
220	CORRIDOR A	(none)	1,262.31 SF	0	0
222	SCIENCE CLASSROOM	Educational - Classroom area	723.43 SF	20	37
223	SCIENCE CLASSROOM	Educational - Classroom area	723.43 SF	20	37
224	ART CLASSROOM	Educational - Classroom area	723.43 SF	20	37
225	RESTROOM	(none)	44.18 SF	0	0
226	DATA	Accessory Storage Areas, Mechanical Equipment Room	67.49 SF	300	1
227	JANITOR	Accessory Storage Areas, Mechanical Equipment Room	51.73 SF	300	1
228	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	723.43 SF	15	49
229	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	723.43 SF	15	49
230	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	723.43 SF	15	49
231	ELECTRICAL	Accessory Storage Areas, Mechanical Equipment Room	94.38 SF	300	1
243	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	97.54 SF	300	1
250	CORRIDOR B	(none)	1,164.38 SF	0	0
253	RESTROOM	(none)	56.47 SF	0	0
254	BOYS	(none)	183.71 SF	0	0
255	GIRLS	(none)	183.30 SF	0	0
262	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	723.43 SF	15	49
263	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	723.43 SF	15	49
264	CLASSROOM	Assembly - Unconcentrated (tables and chairs)	721.10 SF	15	49
Grand total			10,106.89 SF		411

OCCUPANCY LOAD CALCULATION PER 2024 IBC TABLE 1004.5 LEVEL 1 POLE BARN					
NUMBER	NAME	ROOM OCCUPANCY	AREA	S.F. PER PERSON	# OF OCCUPANTS
LEVEL 1					
301	GYM	Exercise Rooms	4,697.77 SF	50	94
311	CLASSROOM	Educational - Classroom area	697.43 SF	20	35
312	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	246.67 SF	300	1
313	KITCHEN	Kitchens, Commercial	571.66 SF	200	3
320	HALL	(none)	97.80 SF	0	0
321	RESTROOM	(none)	49.15 SF	0	0
322	RESTROOM	(none)	33.84 SF	0	0
323	FIRE RISER	Accessory Storage Areas, Mechanical Equipment Room	39.93 SF	300	1
324	JANITOR STOR.	Accessory Storage Areas, Mechanical Equipment Room	40.85 SF	300	1
325	RESTROOM	(none)	34.62 SF	0	0
326	RESTROOM	(none)	50.29 SF	0	0
327	ELEC.	Accessory Storage Areas, Mechanical Equipment Room	94.69 SF	300	1
328	STORAGE	Accessory Storage Areas, Mechanical Equipment Room	355.00 SF	300	2
329	CLASSROOM	Educational - Classroom area	697.43 SF	20	35
Grand total			7,641.12 SF		173

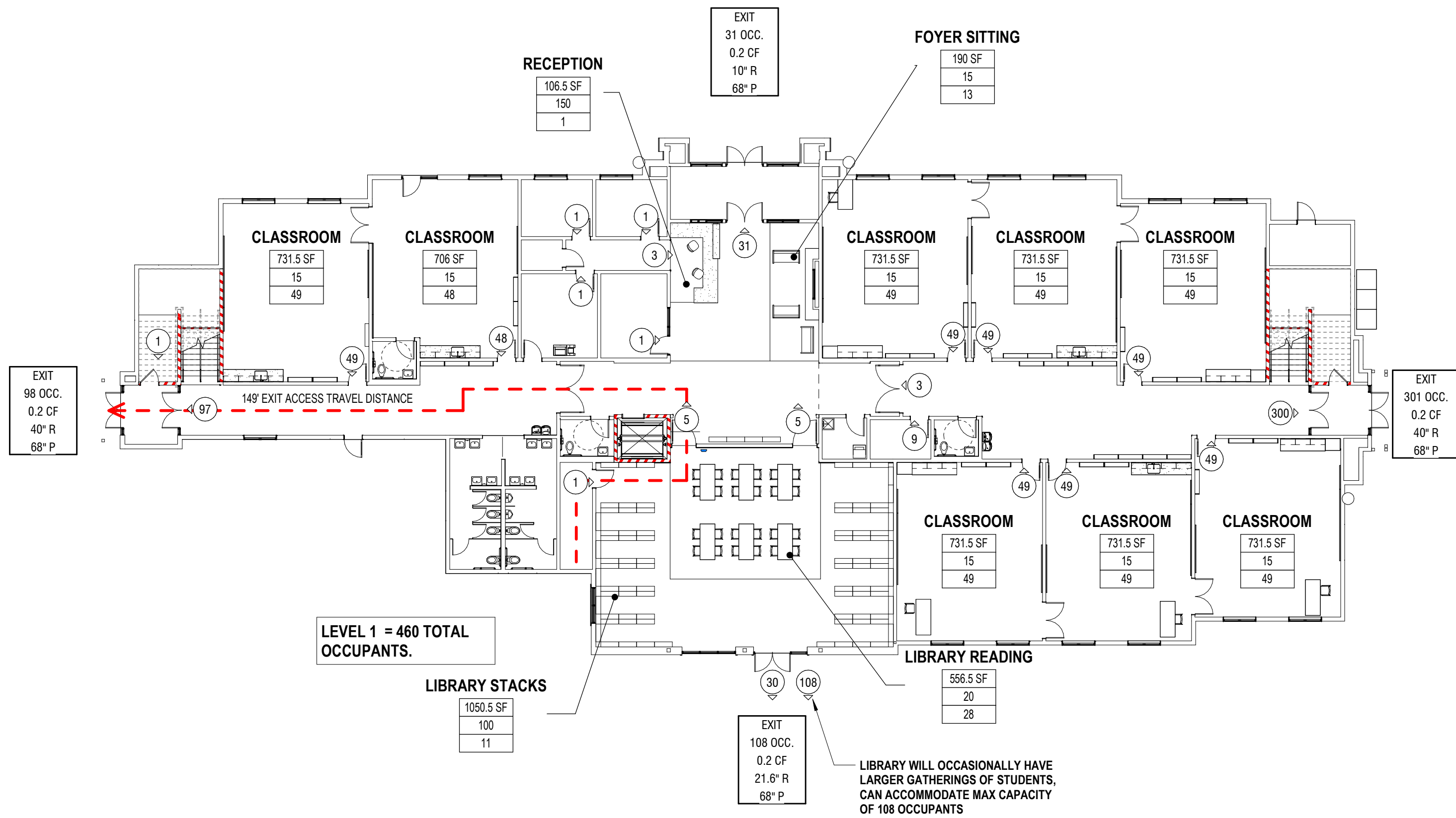
PLUMBING FIXTURE CALCULATIONS PER TABLE 2001.1:

LEVEL 1	OCCUPANT COUNTS			PLUMBING LOAD FACTOR						WATER CLOSETS		LAVATORIES		BATH/UBS		DRINKING FOUNTAINS		SERVICE SINK			
	Total	Male	Female	WC Male Load	WC Female Load	Law Load	B/S Load	DF Load	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
E -- Educational	99	415	415	50	50	0	0	0	9.50	9.50	9.50	9.50	11.50	11.50	0.00	0.00	11.50	11.50	12.00	12.00	
	99	415	415						Required	12	12	12	12	0	0	0	0	12	12	12	12

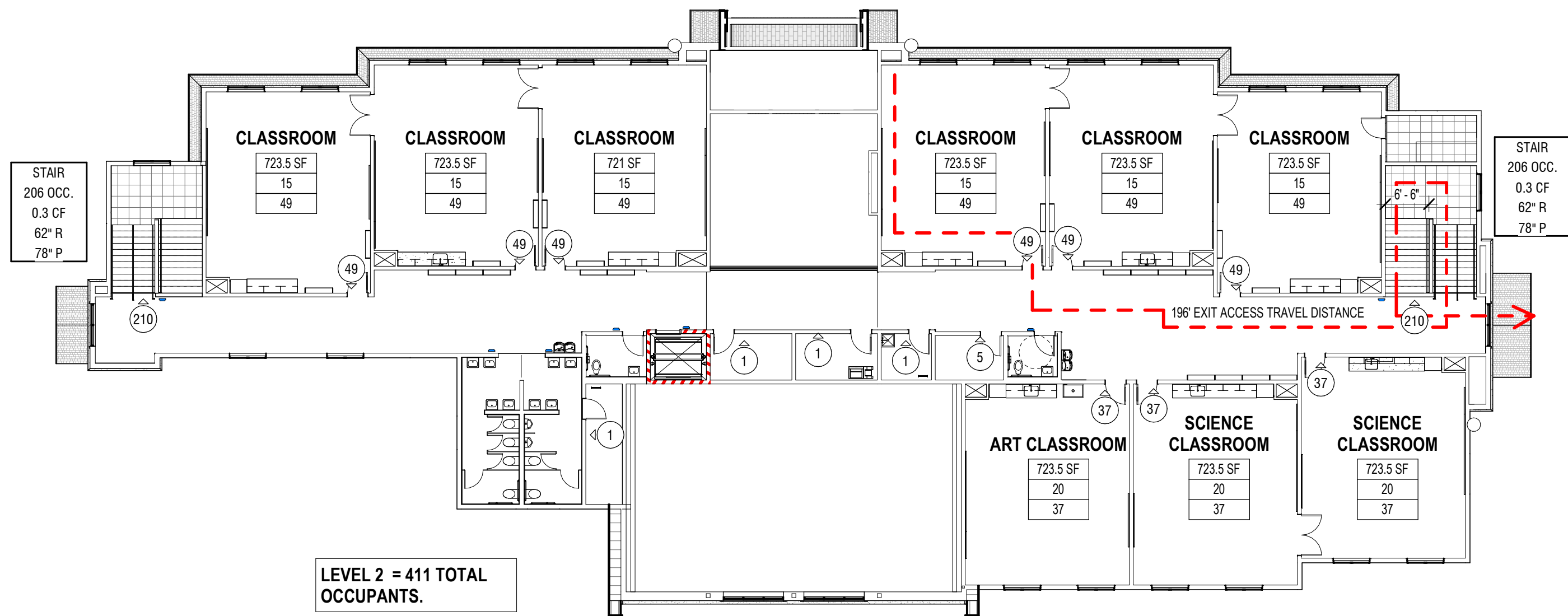
Notes:
1. The code requires only one service sink per building if all occupancies have access to the service sink at all times.

THE OCCUPANCY CALCULATION TABLE ABOVE INCLUDES ALL THE ROOMS AND SPACES WITHIN THE BUILDING TO ESTABLISH THE TOTAL OCCUPANT LOAD AND IS USED TO DETERMINE THE CAPACITY AND SIZING FOR COMPONENTS WITHIN THE MEANS OF EGRESS.

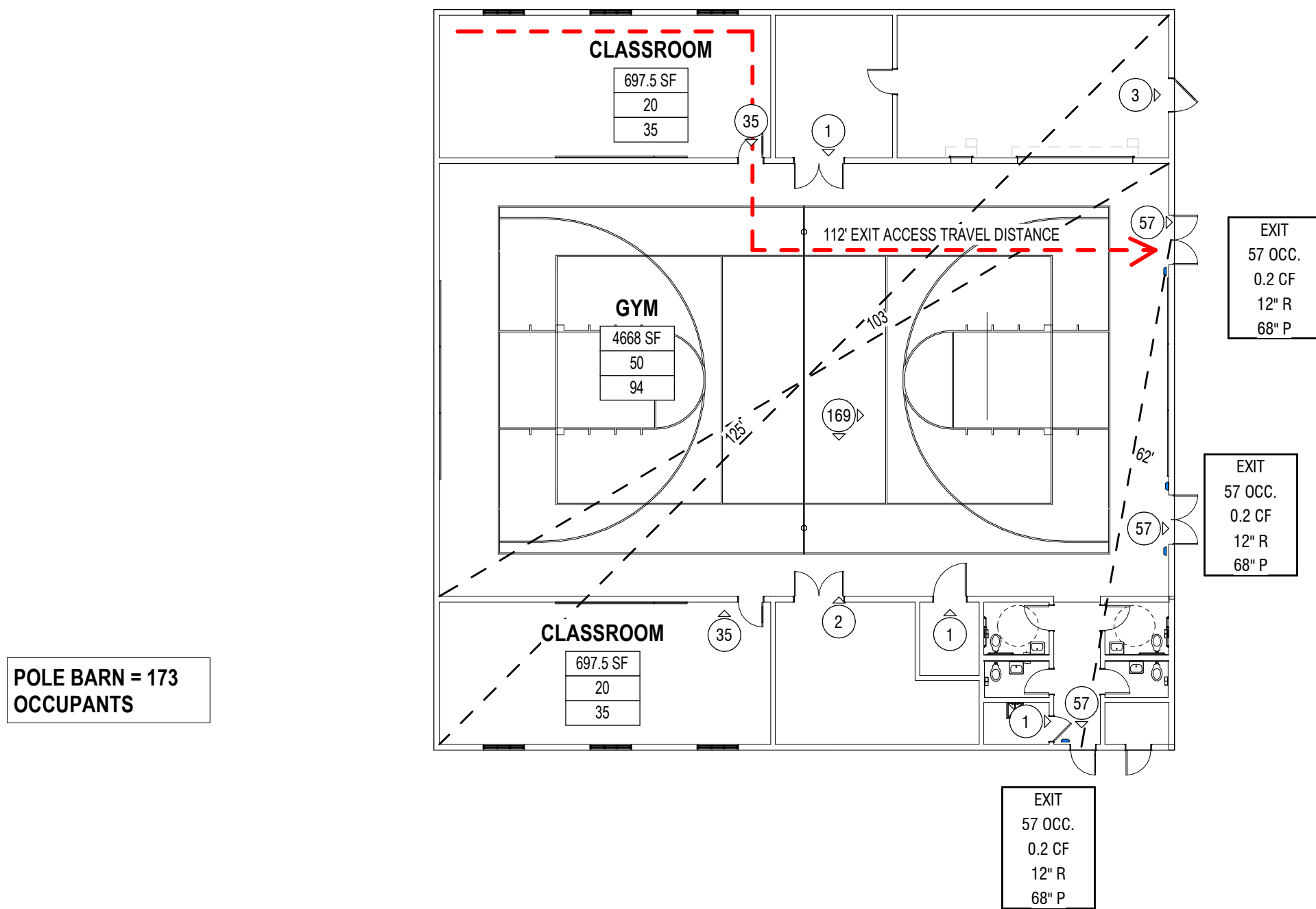
THE GYMNASIUM IS A JOINT FUNCTION AND IS SERVED BY THE SAME OCCUPANTS DURING REGULARLY OCCUPIED HOURS OF OPERATION. THE TOTAL PRIMARY OCCUPANT LOAD MINUS THE GYM SPACE (1,044 - 94 = 950) HAS BEEN USED IN DETERMINING THE NUMBER OF PLUMBING FIXTURES REQUIRED.



1 LEVEL 1 - CODE PLAN
1/16" = 1'-0"



2 LEVEL 2 - CODE PLAN
1/16" = 1'-0"



3 LEVEL 1 - CODE PLAN - POLE BARN GYM
1/16" = 1'-0"

CODE REVIEW GENERAL NOTES

- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- SEE SHEET G001 FOR GENERAL CODE AND PROJECT SPECIFIC CODE INFORMATION.
- SEE SHEET G002 FOR GENERAL NOTES.
- CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED.
- HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS AND ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
- SEE A100 SHEETS FOR WALL TYPE DESIGNATIONS.
- SEE A450 SHEETS FOR SHAFT SECTIONS.
- SEE A500 SHEETS FOR FIRE PROOFING DETAILS.
- SEE A600 SHEETS FOR WALL ASSEMBLIES, TOP OF WALL DETAILS, UL LISTINGS, ETC.

SYMBOLS LEGEND

- DF DRINKING FOUNTAIN
- FE FIRE EXTINGUISHER - THE MAXIMUM TRAVEL DISTANCE TO REACH AN EXTINGUISHER FROM ANY POINT IN THE BUILDING SHALL NOT EXCEED 75 FEET - COORDINATE FINAL LOCATION WITH FIRE MARSHAL
- FDC FIRE DEPARTMENT CONNECTION
- EXIT MAXIMUM OCCUPANT LOAD THRU EXIT
CAPACITY FACTOR (STAIRS PER 1005.3.1, OTHER PER 1005.3.2 EXCEPTION 2012 IBC)
MINIMUM REQUIRED EXIT WIDTH
EXIT WIDTH PROVIDED, DOORS MEASURED BETWEEN DOOR FACE AND STOP
- 1A EGRESS ACCESS PATH
A SUB-PATH
2A PATH ID (SEE EXIT ACCESS DISTANCE SCHEDULE)
COMMON PATH OF TRAVEL

EXIT ACCESS DISTANCE

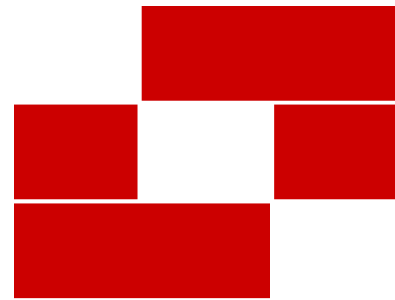
EXIT ACCESS TRAVEL DISTANCE = 20' MAX OR 300' BUSINESS PER 2018 IBC 1017.2			
COMMON PATH OF TRAVEL = 75' ASSEMBLY OR 100' BUSINESS, MAX PER 1018 IBC 1006.2.1			
PATH ID	COMMON PATH DISTANCE	SUB-PATH (A) TOTAL	SUB-PATH (B) TOTAL

FIRE RATING LEGEND

- NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.
- EXISTING CONSTRUCTION
 - NON RATED
 - NON RATED SMOKE PARTITION (IBC 710)
 - 1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise

800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

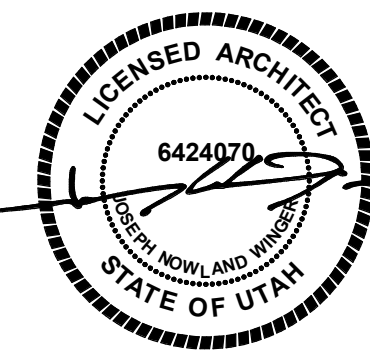
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Project Number 26506
Original Issue 09/04/2026
Project Status Permit & Bid Set

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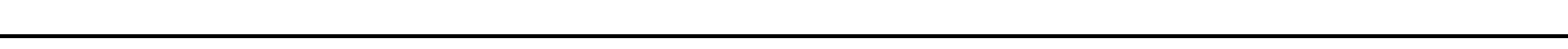
CODE - EGRESS LIFE
SAFETY

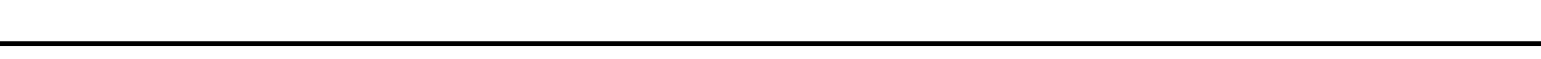
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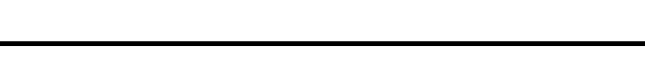
G101

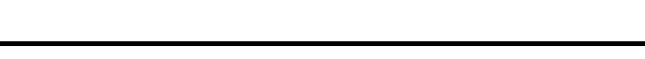
GENERAL ACCESSIBILITY REQUIREMENTS











G201

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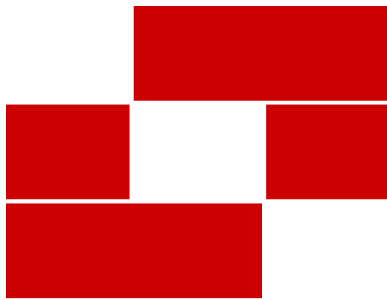


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G201



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

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**GENERAL
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G202

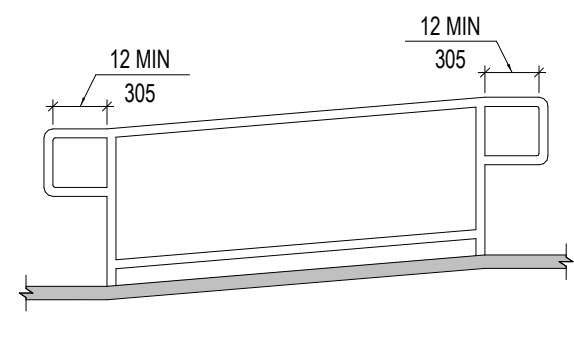


FIGURE 505.10.1
TOP AND BOTTOM HANDRAIL
EXTENSION AT RAMP

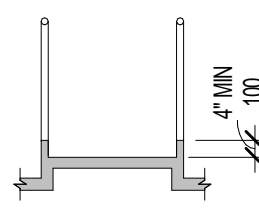


FIGURE 405.9.2.1 CURB

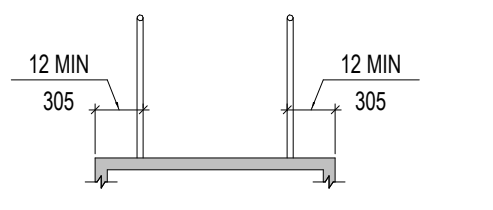


FIGURE 405.9.1
EXTENDED FLOOR OR GROUND
SURFACE EDGE PROTECTION

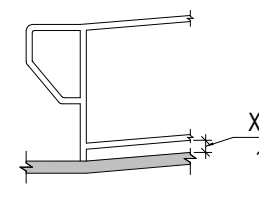


FIGURE 405.9.2.2
CURB OR BARRIER EDGE
PROTECTION

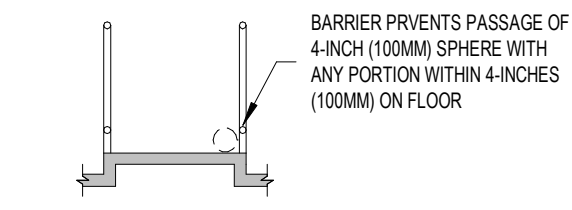


FIGURE 405.9.2.2 BARRIER

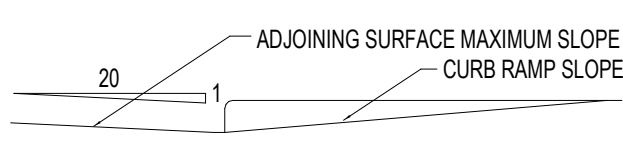
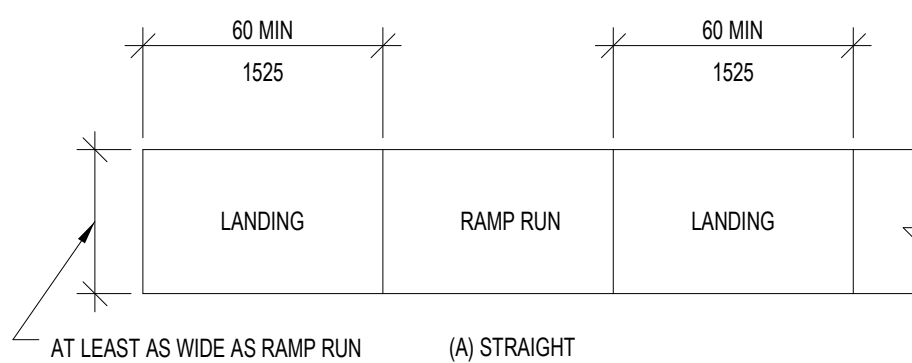
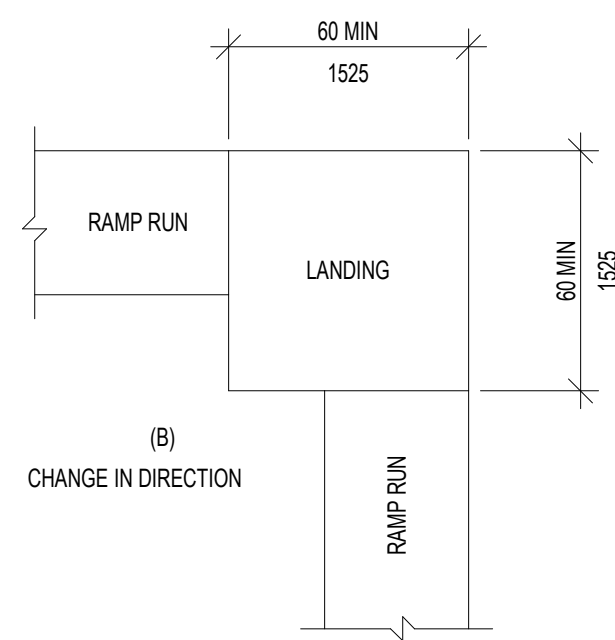


FIGURE 405.5.4
COUNTER SLOPE OF SURFACES
ADJACENT TO CURB RAMP

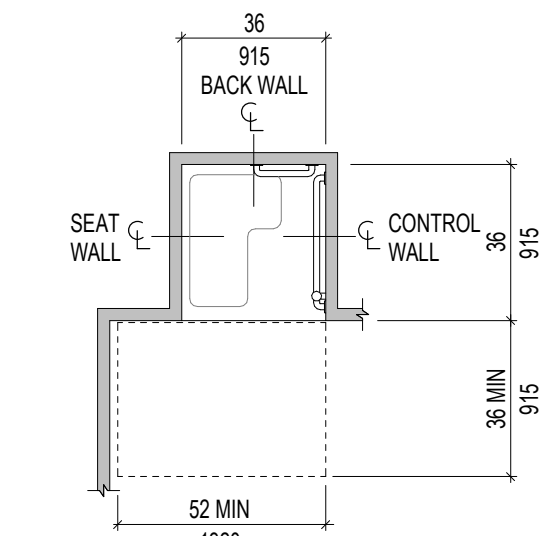


(A) STRAIGHT



(B) CHANGE IN DIRECTION

FIGURE 405.7
RAMP LANDINGS



NOTE: INSIDE FINISHED DIMENSIONS MEASURED AT THE
CENTER POINTS OF OPPOSING SIDES
FIGURE 608.2.1.1 & 608.2.1.2(A)
TRANSFER-TYPE SHOWER
COMPARTMENT SIZE AND CLEARANCE OPTION 1

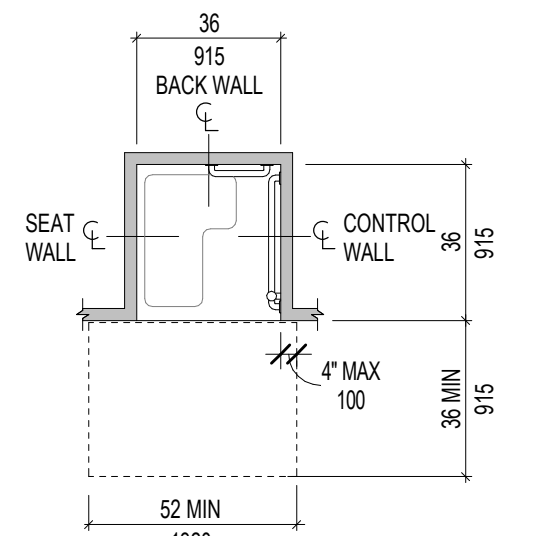


FIGURE 608.2.1.2(B)
TRANSFER-TYPE SHOWER
COMPARTMENT CLEARANCE
OPTION 2

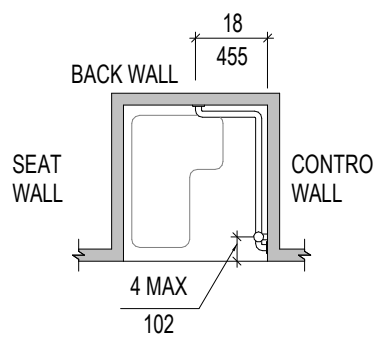


FIGURE 608.3.1(B)
GRAB BARS IN TRANSFER-TYPE
SHOWER

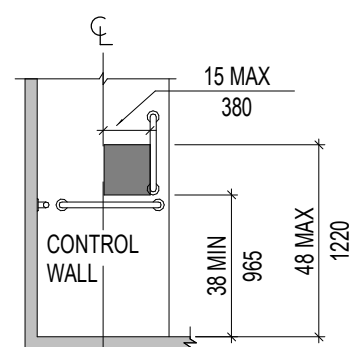
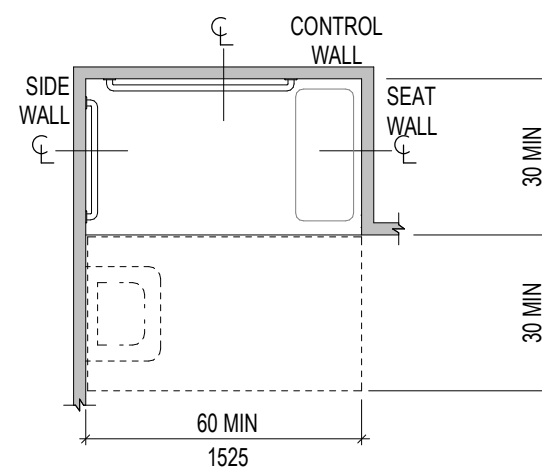


FIGURE 608.4.1
TRANSFER-TYPE SHOWER
CONTROLS AND HAND SHOWER
LOCATION



NOTE: INSIDE FINISHED DIMENSIONS MEASURED AT THE
CENTER POINTS OF OPPOSING SIDES
FIGURE 608.2.2.1 & 608.2.2.2
STANDARD ROLL-IN-TYPE SHOWER
COMPARTMENT SIZE AND CLEARANCE

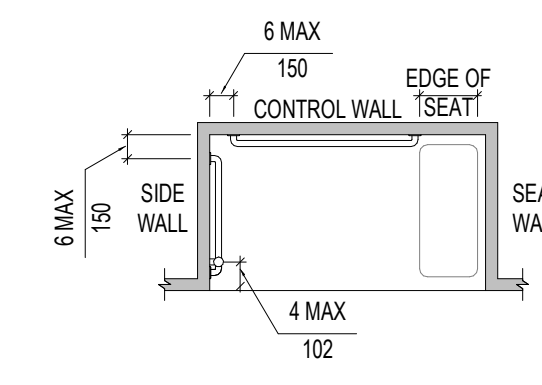
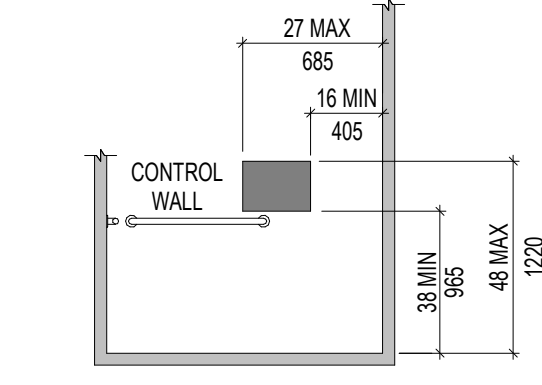


FIGURE 608.3.2
GRAB BARS IN STANDARD ROLL-IN-TYPE SHOWER



WITH SEAT
FIGURE 608.4.2
STANDARD ROLL-IN-TYPE SHOWER
CONTROLS AND HAND SHOWER LOCATION

2 | SHOWER COMPARTMENTS

1/4" = 1'-0"

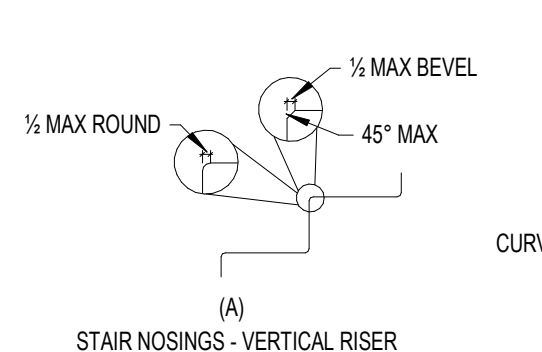


FIGURE 608.2.2.1 & 608.2.2.2
STANDARD ROLL-IN-TYPE SHOWER
COMPARTMENT SIZE AND CLEARANCE

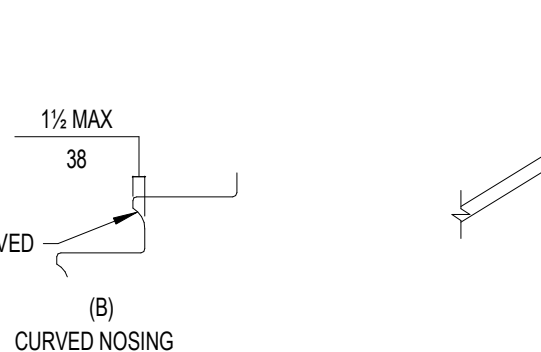
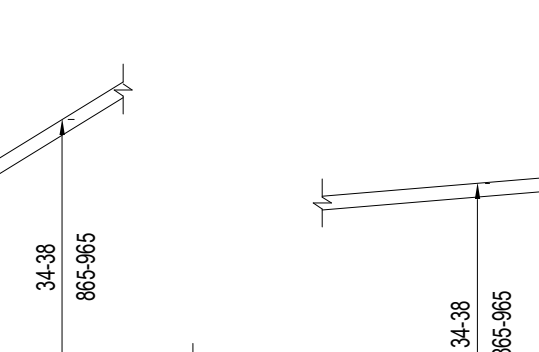


FIGURE 608.3.2
GRAB BARS IN STANDARD ROLL-IN-TYPE SHOWER



WITH SEAT
FIGURE 608.4.2
STANDARD ROLL-IN-TYPE SHOWER
CONTROLS AND HAND SHOWER LOCATION

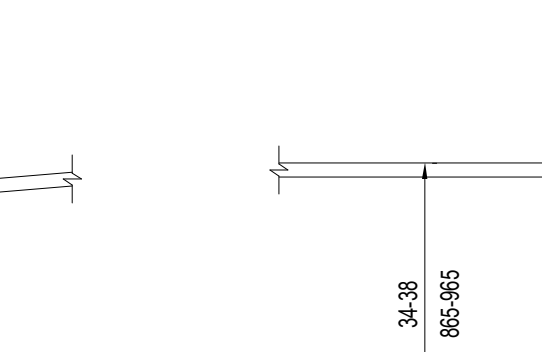


FIGURE 608.5.4
HANDRAIL HEIGHT

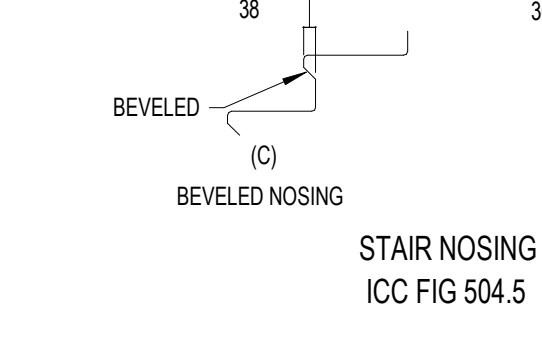


FIGURE 608.5.5
HANDRAIL CLEARANCE

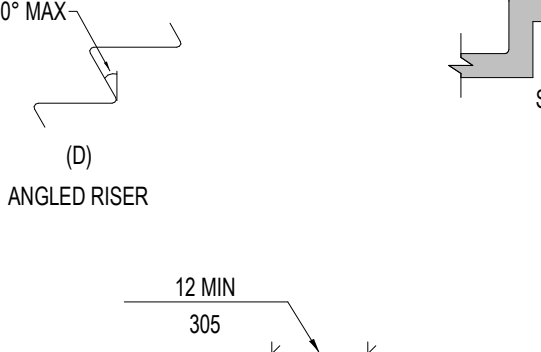


FIGURE 608.5.7
HANDRAIL CROSS SECTION

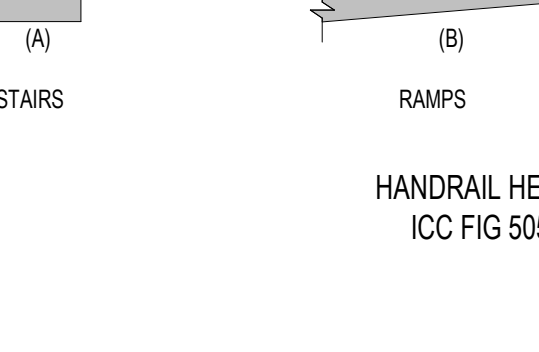


FIGURE 608.5.1
SIDE-WALL GRAB BAR
FOR WATER CLOSET

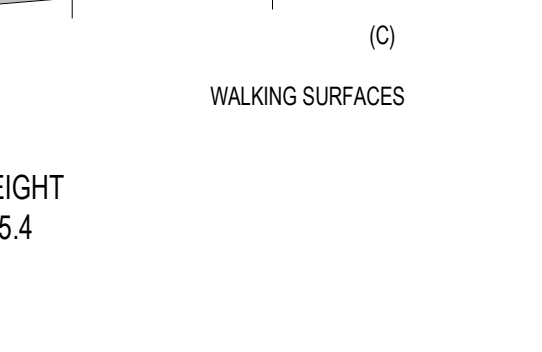


FIGURE 608.5.2
REAR-WALL GRAB BAR FOR
WATER CLOSET

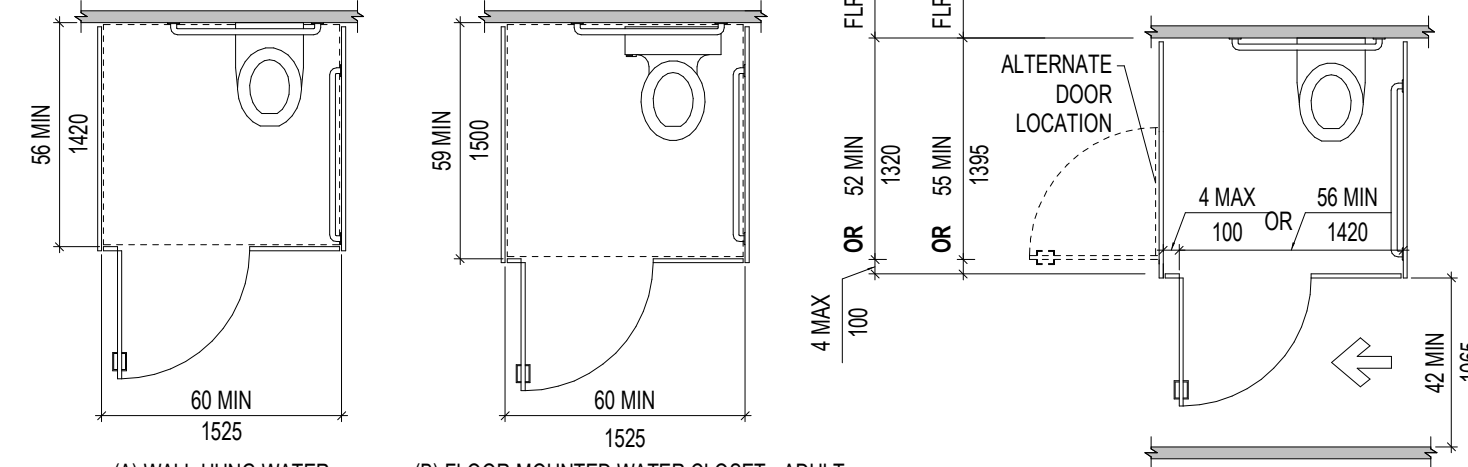


FIGURE 604.9.2
WHEELCHAIR TOILET COMPARTMENT

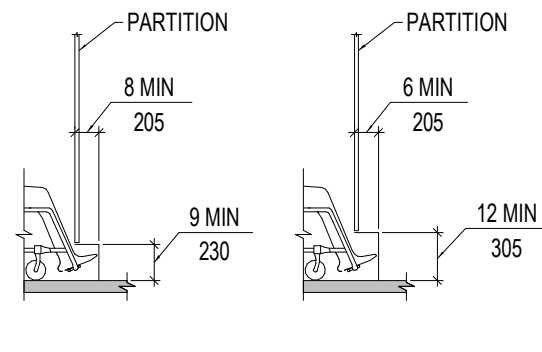


FIGURE 604.9.3.1 (A) & (B)
WHEELCHAIR ACCESSIBLE TOILET
COMPARTMENT DOORS

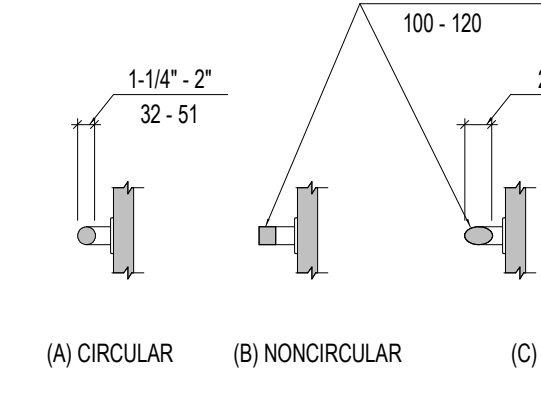


FIGURE 609.2
SIZE OF GRAB BARS

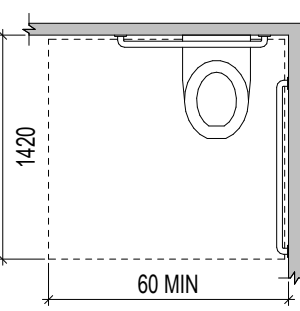


FIGURE 604.3
SIZE OF CLEARANCE AT
WATER CLOSETS

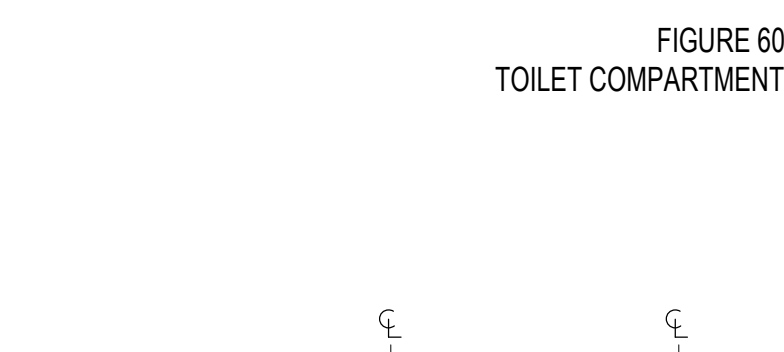


FIGURE 604.9.5
TOILET COMPARTMENT TOE CLEARANCE

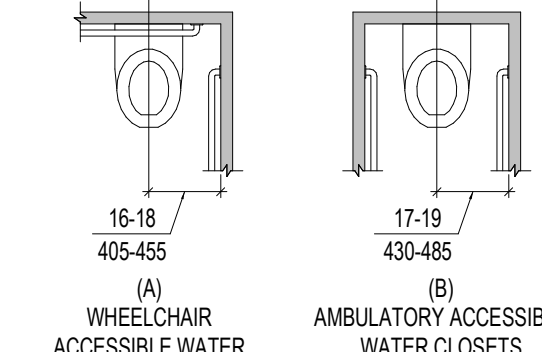


FIGURE 604.2
WATER CLOSET LOCATION

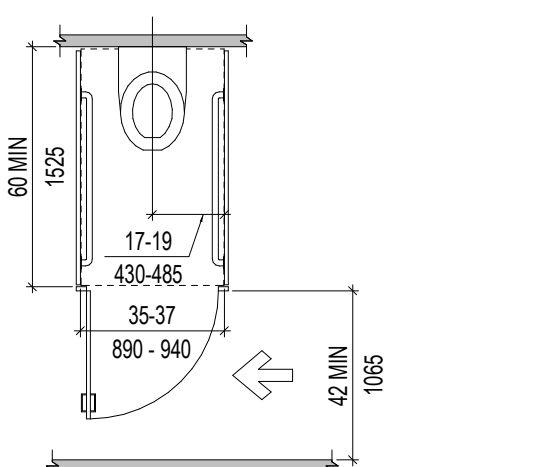


FIGURE 604.10.1
AMBULATORY ACCESSIBLE
TOILET COMPARTMENT

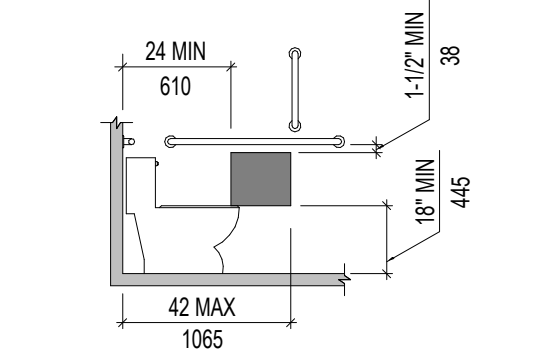


FIGURE 604.7.1
DISPENSER OUTLET LOCATION

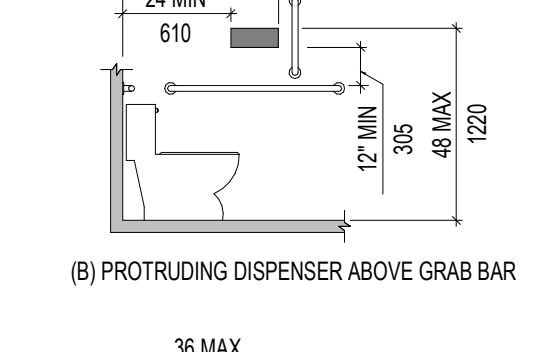


FIGURE 604.7.1
DISPENSER OUTLET LOCATION

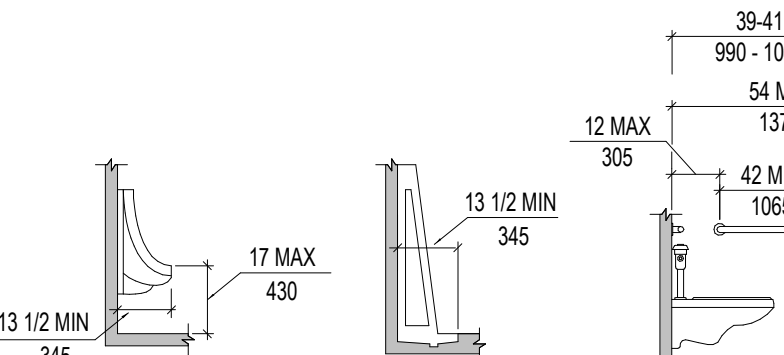


FIGURE 605.2
HEIGHT AND DEPTH OF URINALS

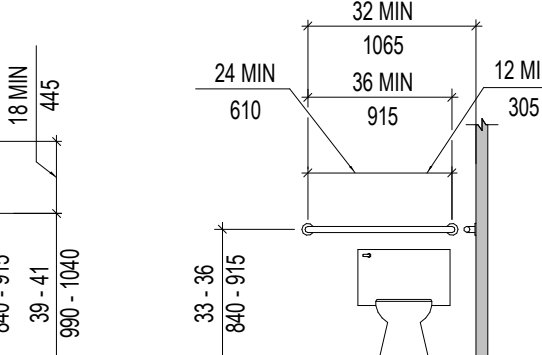


FIGURE 604.5.1
SIDE-WALL GRAB BAR
FOR WATER CLOSET

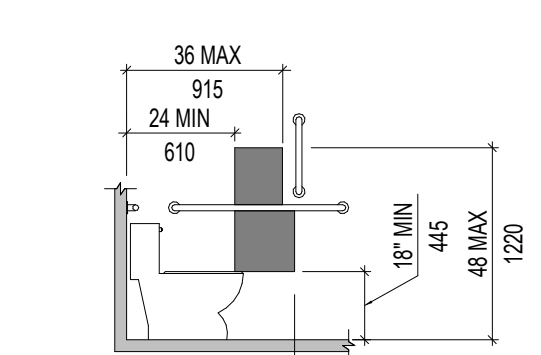


FIGURE 604.5.2
REAR-WALL GRAB BAR FOR
WATER CLOSET

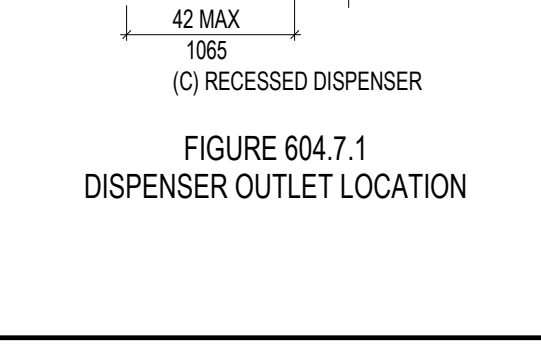


FIGURE 604.7.1
DISPENSER OUTLET LOCATION

4 | RAMPS

1/4" = 1'-0"

3 | STAIRWAYS

1/2" = 1'-0"

1 | TOILET COMPARTMENTS

1/4" = 1'-0"

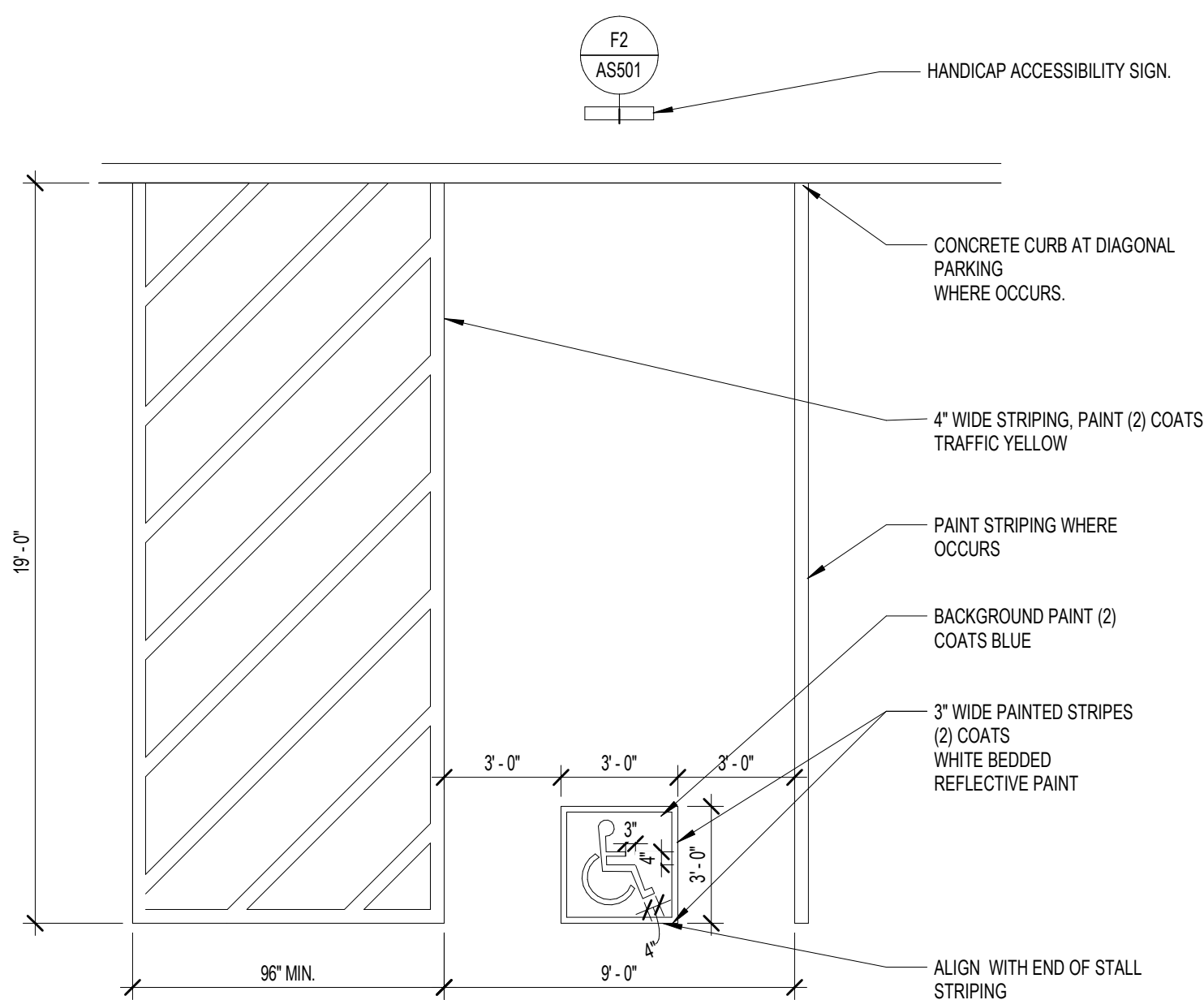


FIGURE 502.2
VEHICLE PARKING SPACES

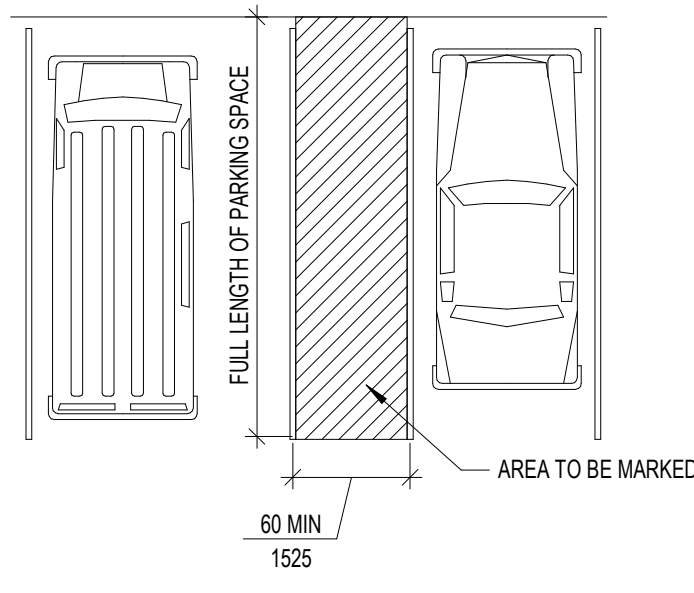


FIGURE 502.4
PARKING SPACE ACCESS AISLE

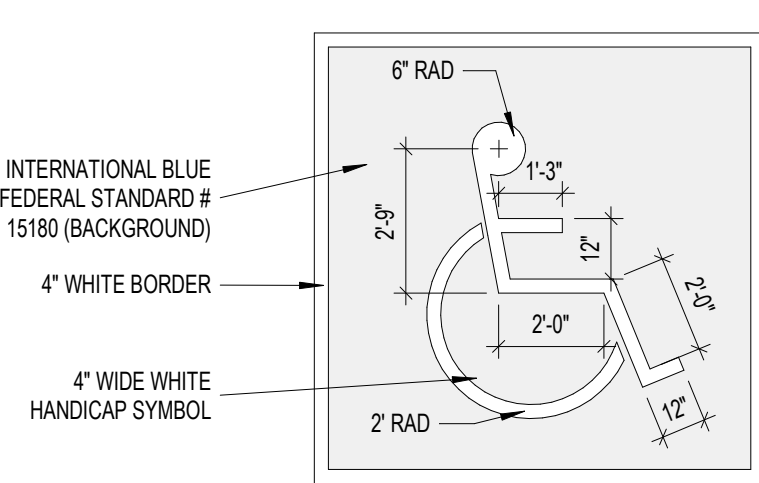


FIGURE 104
GRAPHIC CONVENTION FOR FIGURES

THE PROJECT IS TO MEET THE 2012 IBC AND THE ICC/ANSI A117.1:2009 CODES FOR ACCESSIBILITY. THE MOST STRINGENT REQUIREMENTS SHALL BE UTILIZED IN THE CONSTRUCTION OF THIS PROJECT. THE FOLLOWING DIAGRAMS AND NOTES ARE PROVIDED ONLY AS A GUIDE TO THIS PROJECT. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL CODES AND NOTIFY THE ARCHITECT IF THESE NOTES AND DIAGRAMS ARE CONTRADICTORY TO THE ACTUAL CONSTRUCTION. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CODES. IF THERE IS A DISCREPANCY, THE ADOPTED CODES AND ENFORCED LAWS TAKE PRECEDENCE.

7 | ADA PARKING STALL

1/4" = 1'-0"

6 | ACCESSIBLE PARKING SPACES

1/8" = 1'-0"

5 | ADA STRIPING SYMBOL

1 1/2" = 1'-0"



Energy Code:	2024 IECC
Project Title:	Louisa May Alcott Community School
Location:	Mapleton, Utah
Climate Zone:	5b
Project Type:	New Construction
Vertical Glazing / Wall Area:	0.130
Project Sub Type:	New Building/Complete

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof/Floor, Insulation Entirely Above Deck, (Bldg. Use 1 - School/University)	8531	---	30.00	0.032	0.032
Roof/Floor, All Wood Joist Rafter/Timber, (Bldg. Use 1 - School/University)	6590	30.00	0.00	0.034	0.021
Roof/Floor, Concrete (over unconditioned space), (Bldg. Use 1 - School/University)	490	---	10.00	0.076	0.057
NORTH					
Ext Wall Ext Wall FIBER CEMENT NORTH, Wood Frame, Any Spacing, (Bldg. Use 1 - School/University)	1430	19.00	7.50	0.043	0.051
Window Window STOREFRONT, Metal Frame with Thermal Break, Perf. Specs., Product ID, SHGC 0.25, VT 0.65, (Bldg. Use 1 - School/University) (8)	32	---	---	0.360	0.340
Door Door STOREFRONT, Perf. Specs., Product ID, SHGC 0.25, VT 0.65, (Bldg. Use 1 - School/University) (8)	22	---	---	0.360	0.450
Ext Wall Ext Wall EPS NORTH, Wood Frame, Any Spacing, (Bldg. Use 1 - School/University)	1441	19.00	7.50	0.043	0.051
EAST					
Ext Wall Ext Wall Fiber Cement EAST, Wood Frame, Any Spacing, (Bldg. Use 1 - School/University)	1511	19.00	7.50	0.043	0.051
Window Window STOREFRONT, Metal Frame with Thermal Break, Perf. Specs., Product ID, SHGC 0.25, VT 0.65, (Bldg. Use 1 - School/University) (8)	290	---	---	0.360	0.340
Door Door STOREFRONT, Perf. Specs., Product ID, SHGC 0.25, VT 0.65, (Bldg. Use 1 - School/University) (8)	22	---	---	0.360	0.450
Ext Wall Ext Wall EPS EAST, Wood Frame, 2" or c., (Bldg. Use 1 - School/University)	4385	19.00	7.50	0.042	0.051
Window Window Vinyl, Vinyl/Urethane Glass, Perf. Specs., Product ID, SHGC 0.25, VT 0.60, (Bldg. Use 1 - School/University) (8)	612	---	---	0.350	0.340
Window Window STOREFRONT, Metal Frame with Thermal Break, Perf. Specs., Product ID, SHGC 0.25, VT 0.65, (Bldg. Use 1 - School/University) (8)	32	---	---	0.360	0.340
Door Door STOREFRONT, Perf. Specs., Product ID, SHGC 0.25, VT 0.64, (Bldg. Use 1 - School/University)	22	---	---	0.360	0.450
Ext Wall Ext Wall FIBER CEMENT SOUTH, Wood Frame, Any Spacing, (Bldg. Use 1 - School/University)	1765	19.00	7.50	0.043	0.051

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window Window STOREFRONT, Metal Frame with Thermal Break, Perf. Specs. Product ID: SHGC 0.25, VT 0.64, (Bldg Use 1 - School University) (d)	32	---	---	0.360	0.340
Door Door HM, Insulated Metal, Swinging, (Bldg Use 1 - School University)	24	---	---	0.370	0.370
Exit Wall Exit Wall EFS SOUTH, Wood Frame, 24" c.o., (Bldg Use 1 - School University)	1000	19.00	7.50	0.042	0.051
Wall Wall Exit Wall Stone South, Wood Frame, Any Spacing, (Bldg Use 1 - School University)	1000	19.00	7.50	0.043	0.051
WEST					
Exit Wall Exit Wall EFS WEST, Wood Frame, Any Spacing, (Bldg Use 1 - School University)	2900	19.00	7.50	0.043	0.051
Window Window VINYL, Vinyl/Fiberglass Frame, Perf. Specs. Product ID: SHGC 0.25, VT 0.60, (Bldg Use 1 - School University) (d)	504	---	---	0.350	0.450
Door Door HM in EFS WEST, Insulated Metal, Swinging, (Bldg Use 1 - School University) (d)	24	---	---	0.370	0.370
Exit Wall Exit Wall FIBER CEMENT WEST, Wood Frame, Any Spacing, (Bldg Use 1 - School University)	1922	19.00	7.50	0.043	0.051
Window Window VINYL, Vinyl/Fiberglass Frame, Perf. Specs. Product ID: SHGC 0.25, VT 0.60, (Bldg Use 1 - School University) (d)	396	---	---	0.350	0.340
Window Window STOREFRONT, Metal Frame with Thermal Break, Perf. Specs. Product ID: SHGC 0.25, VT 0.64, (Bldg Use 1 - School University) (d)	32	---	---	0.360	0.340
Door Door STOREFRONT, Perf. Specs. Product ID: SHGC 0.25, VT 0.64, (Bldg Use 1 - School University)	24	---	---	0.360	0.450
Exit Wall Exit Wall Stone West, Wood Frame, Any Spacing, (Bldg Use 1 - School University)	1110	19.00	7.50	0.043	0.051
Window Window Storefront West, Metal Frame with Thermal Break, Perf. Specs. Product ID: SHGC 0.25, VT 0.60, (Bldg Use 1 - School University) (d)	224	---	---	0.360	0.340
Door Door STOREFRONT, Perf. Specs. Product ID: SHGC 0.25, VT 0.65, (Bldg Use 1 - School University)	48	---	---	0.360	0.630

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES: Design 4% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2024 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Joseph Coates - Principal

[Signature]

08.31.2026

Name - Title

Signature

Date _____



Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
 100 W Main Street, Suite 940
 Boise, ID 83702
 208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

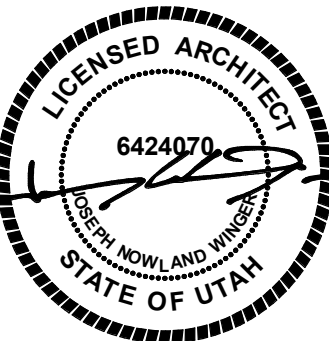
Revisions

Num.	Description	Date
------	-------------	------

Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid

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stamp



Sheet Title

ENERGY COMPLIANCE REPORTS

Sheet Number

G301



LOUISA MAY ALCOTT COMMUNITY SCHOOL NEW CHARTER SCHOOL CAMPUS

1250 EAST 1200 NORTH
MAPLETON, UTAH

BID SET
DATE PRINTED
September 8, 2026

INDEX OF DRAWINGS

1-1	ALTA/NSPS LAND TITLE & TOPOGRAPHIC SURVEY	C-304	GRADING AND DRAINAGE PLAN
		C-305	IRRIGATION PIPE SITE PLAN
C-001	GENERAL NOTES	C-306	DRAINAGE CALCULATIONS
C-100	DEMOLITION PLAN	C-400	UTILITY PLAN
C-200	SITE PLAN	C-500	EROSION CONTROL PLAN
C-300	OVERALL GRADING AND DRAINAGE PLAN	C-600	DETAILS
C-301	GRADING AND DRAINAGE PLAN	C-601	DETAILS
C-302	GRADING AND DRAINAGE PLAN	C-602	DETAILS
C-303	GRADING AND DRAINAGE PLAN	C-603	DETAILS

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

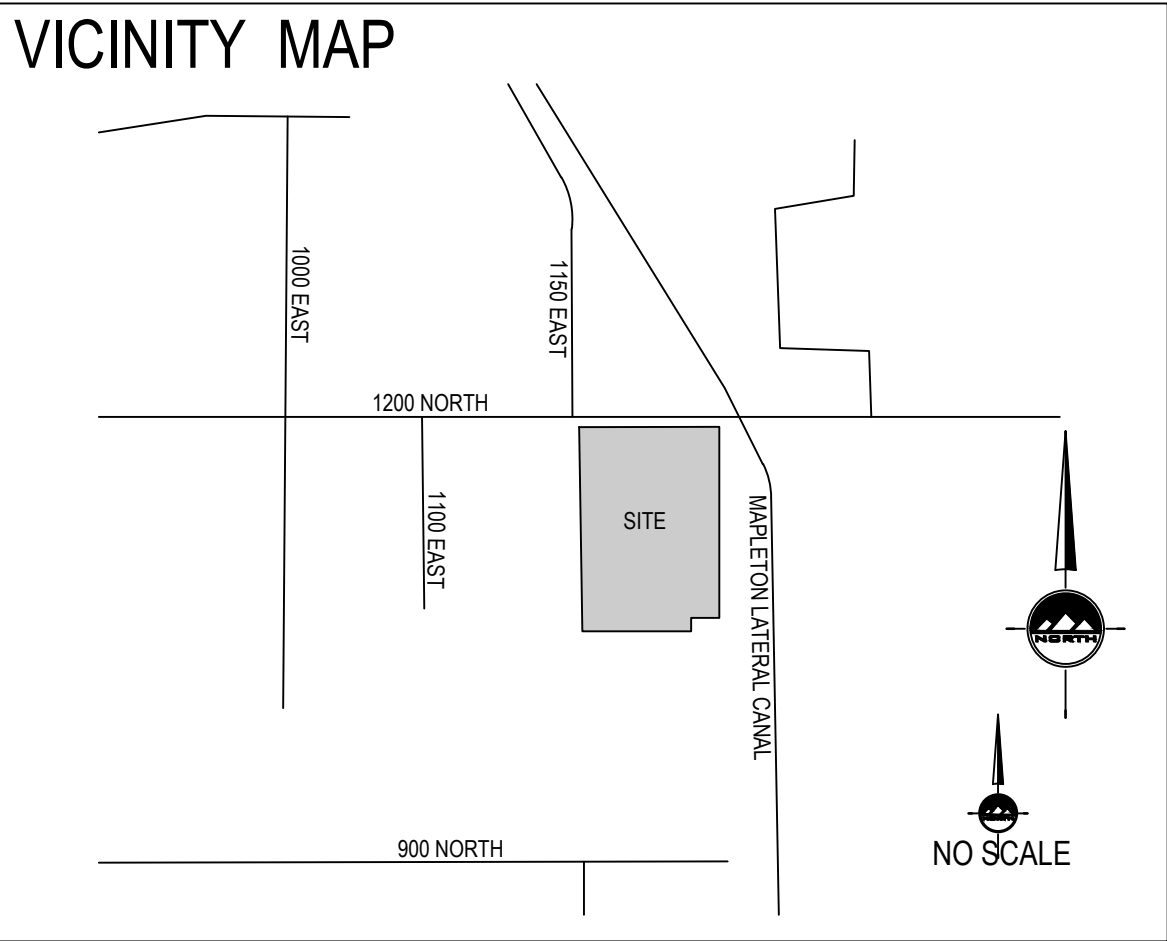
CONTRACTOR FURTHER AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NOTICE TO DEVELOPER/CONTRACTOR

UNAPPROVED DRAWINGS REPRESENT WORK IN PROGRESS, ARE SUBJECT TO CHANGE, AND DO NOT CONSTITUTE A FINISHED ENGINEERING PRODUCT. ANY WORK UNDERTAKEN BY DEVELOPER OR CONTRACTOR BEFORE PLANS ARE APPROVED IS UNDERTAKEN AT THE SOLE RISK OF THE DEVELOPER, INCLUDING BUT NOT LIMITED TO BIDS, ESTIMATION, FINANCING, BONDING, SITE CLEARING, GRADING, INFRASTRUCTURE CONSTRUCTION, ETC.

UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND / OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



GENERAL NOTES

- ALL WORK SHALL CONFORM TO MAPLETON CITY STANDARDS & SPECIFICATIONS.
- CALL BLUE STAKES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
- BENCHMARK ELEVATION = EAST QUARTER CORNER OF SECTION 11, TOWNSHIP 8 SOUTH, RANGE 3 EAST SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



TOOELE
3950 N Tealby Way, Ste 200
Erda, UT 84074
Phone: 435.843.3590

SANDY
Phone: 801.255.0529

LAYTON
Phone: 801.547.1100

CEDAR CITY
Phone: 435.865.1453

RICHFIELD
Phone: 435.896.2983

WWW.ENSIGNENG.COM

FOR:
BARCOCK DESIGN
52 EXCHANGE PLACE
SALT LAKE CITY, UTAH 84111

CONTACT:
RICKY PARKINSON
PHONE: 385-301-2938

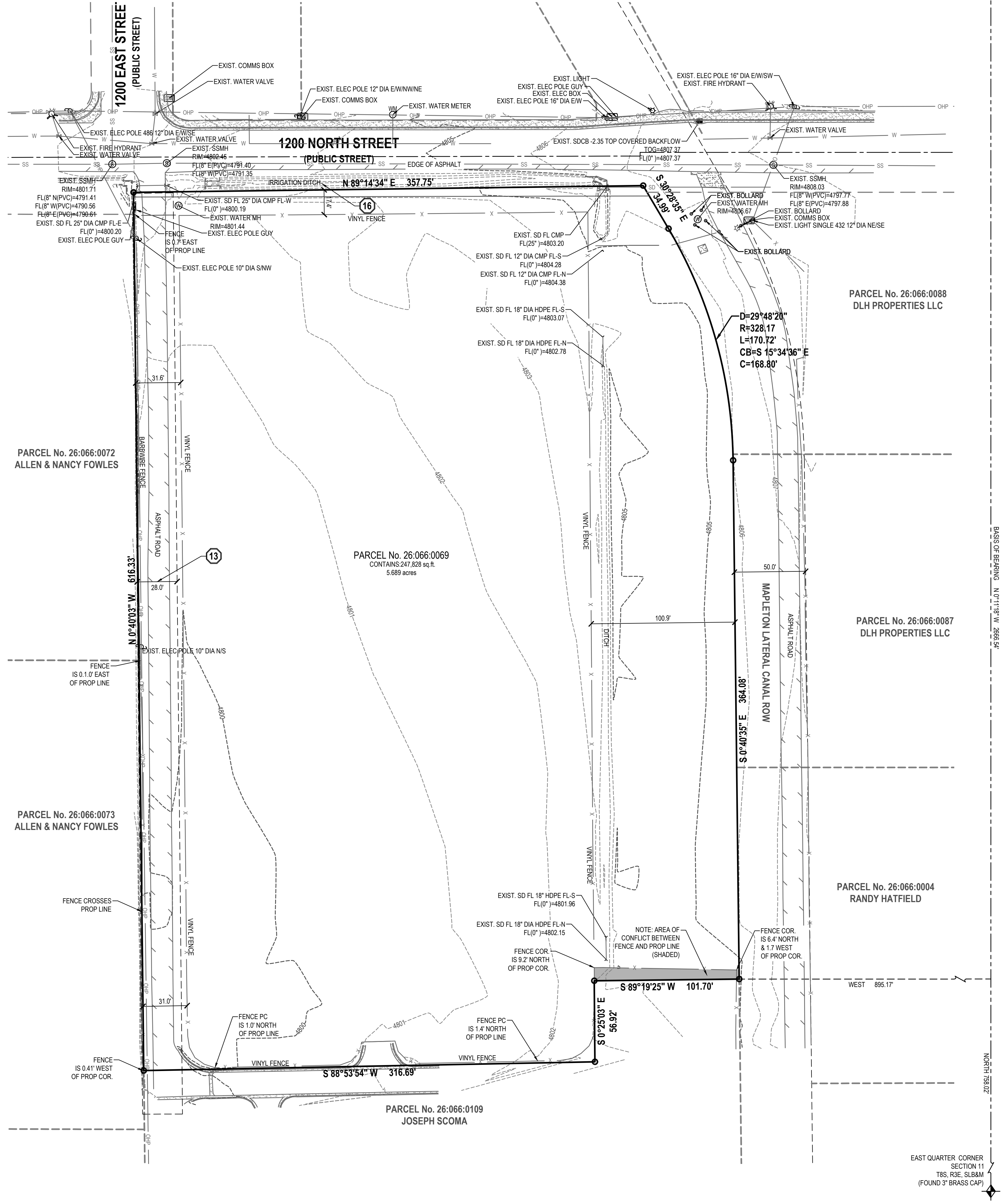
LOUISA MAY ALCOTT COMMUNITY SCHOOL
NEW CHARTER SCHOOL CAMPUS
1250 EAST 1200 NORTH
MAPLETON, UTAH



COVER

PROJECT NUMBER
15106A
PROJECT MANAGER
C. CHILD
PRINT DATE
2026-09-08
DESIGNED BY
C. CHILD

C-000



066:0087
TIES LLC

EAST QUARTER CORNER
SECTION 11
T8S, R3E, SLB&M
(FOUND 3" BRASS CAP)

I, Patrick M. Harris do hereby state that I am a Professional Land Surveyor and that I hold certificate no. 268683 as prescribed by the laws of the State of Utah and represent that I have made a survey of the following described property. The Purpose of this survey is to provide an ALTANSPS Land Title and Topographic Survey for use by the client. The Basis of Bearing is the line between the East Quarter Corner and the Northeast Corner of Section 11, Township 8 South, Range 3 East, Salt Lake Base and Meridian measuring North 0°11'18" West 2666.54 feet.

Beginning at a point on the Westerly right of way of the Mapleton Later Irrigation Canal, said point being North 75°02'58" West and 258.89517 feet according to Utah County Records, Central Zone, from the East quarter corner of Section 11, Township 8 South, Range 3 East, Salt Lake Base and Meridian; thence South 89°19'25" West 101.071 feet to a fence; thence along said fence and its extension South 2°03'50" East 59.62 feet; thence North 88°53'34" West 316.69 feet to a fence; thence along said fence North 0°40'03" West 61.63 feet to a fence; thence along said fence and its extension North 89°14'34" East 357.75 feet to the Westerly right of way of the Mapleton Later Irrigation Canal; thence along said right of way the following courses: South 20°28'35" East 34.99 feet along the arc of a 328.17 foot radius curve to the point 170.68 feet; the chord of which bears South 15°34'35" East 168.77 feet; thence South 0°40'35" East 364.08 feet to the point of beginning.

To: Louisa May Alcott Community Scholl, a Utah nonprofit corporation; Stewart Title Guaranty Company and Cottonwood Title Insurance Agency, Inc..

This is to certify that this map or plat and the survey on which it is based were made in accordance with 2026 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 5,

The field work was completed on June 19, 2026.

Date of Plat or Map: June 23, 2026.

6/29/26
Date

Patrick M. Harris
License No. 286882

Note: For conditions of record not shown herein as well as specific references to items in the title report, please refer to a title report supplied by Cottonwood Title Insurance Agency, Inc., of Centerville, Utah, under Commitment No. 202037-MCF, dated effective May 27, 2026.

Schedule B-2 Exceptions

1. (a) Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records. (non survey related)
2. Any facts, rights, interests, or claims which are not shown by the Public Records, but which could be ascertained by an inspection of the Land or by making inquiry of persons in possession thereof. (non survey related)
3. Easements, liens, or encumbrances, or claims thereof, which are not shown by the Public Records.
4. Any encroachment, encroachment, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims, or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records. (non survey related)
6. Any lien, or right to a lien, for services, labor, material, or equipment heretofore or hereafter furnished, imposed by law and not shown by the Public Records (non survey related).
7. Any defect, lien, encumbrance, adverse claim, or other matter, that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I-Requirements are met. (non survey related)
8. Any service, installation, connection, maintenance, or construction charges for sewer, water, electricity, or garbage collection or disposal, or other utilities unless shown as an existing lien by the Public Records (non survey related)
9. Taxes for the year 2026 are accruing as a lien not yet due and payable under Parcel No. 26-066-0069. Taxes for the year 2025 have been paid in the amount of \$43.05 under Parcel No. 26-066-0069.

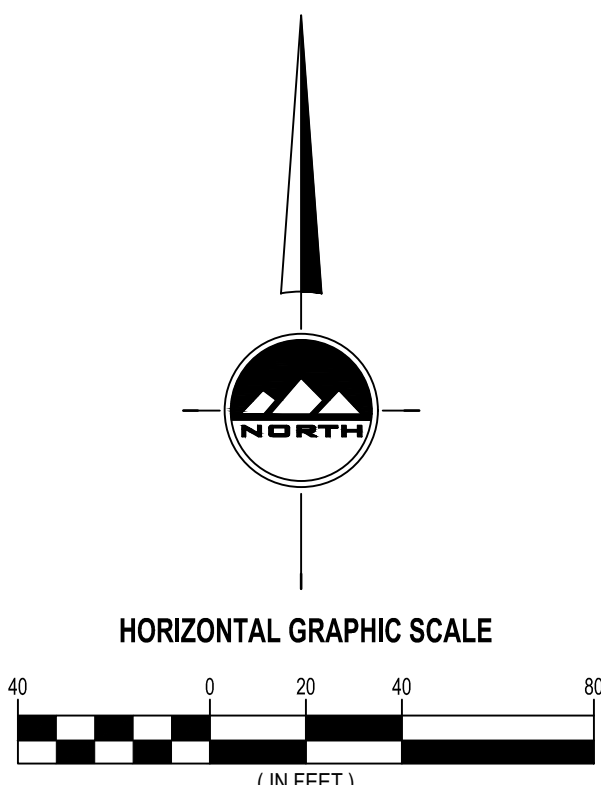
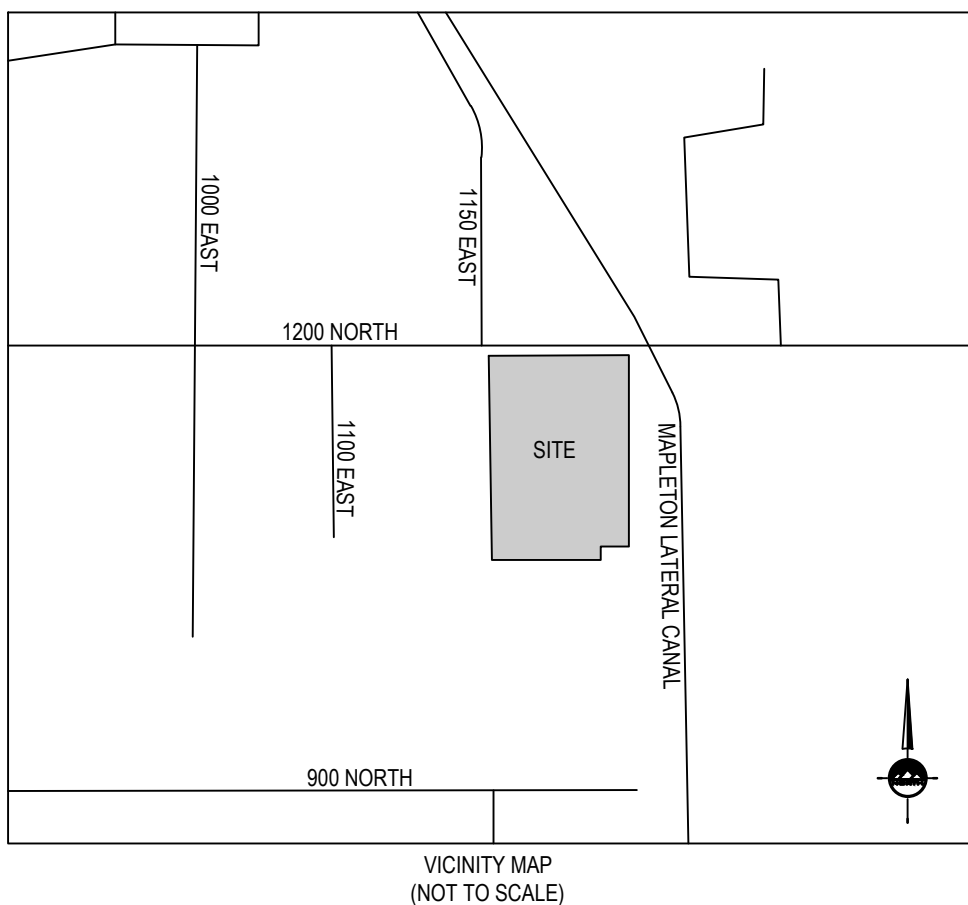
	SECTION CORNER		ADJACENT RIGHT OF WAY
	MONUMENT		RIGHT OF WAY
	EXIST REBAR AND CAP		CENTERLINE
	SET ENSIGN REBAR AND CAP		PROPERTY LINE
	WATER METER		ADJACENT PROPERTY LINE
	WATER MANHOLE		DEED LINE
	WATER VALVE		TANGENT LINE
	FIRE HYDRANT		EXIST DITCH FLOW LINE
	SECONDARY WATER VALVE		FENCE
	IRRIGATION VALVE		EDGE OF ASPHALT
	SANITARY SEWER MANHOLE		SANITARY SEWER LINE
	STORM DRAIN CLEAN OUT		STORM DRAIN LINE
	STORM DRAIN CATCH BASIN		LAND DRAIN LINE
	STORM DRAIN COMBO BOX		CULINARY WATER LINE
	STORM DRAIN CULVERT		SECONDARY WATER LINE
	SIGN		IRRIGATION LINE
	ELECTRICAL BOX		OVERHEAD POWER LINE
	UTILITY MANHOLE		ELECTRICAL LINE
	UTILITY POLE		GAS LINE
	LIGHT		EXISTING CONTOURS
	CABLE BOX		CONCRETE
	TELEPHONE BOX		BUILDING
	GAS METER		PUBLIC DRAINAGE EASEMENT
	TREE		DENSE VEGETATION PREVENTING ACCESS FOR ACCURATE SURVEY
	SHRUB		

NOTE: MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PLAN SET.

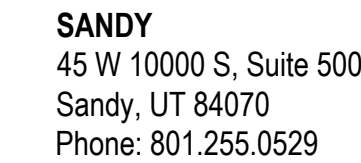
10. The herein described Land is located within the boundaries of Central Utah Water Conservancy, Nebo School District, Mapleton City, South Utah Valley Animal Special Service District, Wasatch Behavioral Health Special Service District, and is subject to all and any charges and assessments levied thereunder. (non survey related)
11. Minerals of whatsoever kind, subsurface and surface substances, including but not limited to coal, lignite, oil, gas, uranium, clay, rock, sand and gravel in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed herein. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed. (non survey related)
12. Claim, right, title or interest to water or water rights whether or not shown by the Public Records. (non survey related)
13. A right of way along the Westernly 28th section as disclosed by that certain Warranty Deed recorded July 21, 1982 as Entry No. 18074 in Book 1992 at Page 362. (shown on survey)
14. Road and Utility Easement Agreement, recorded May 14, 2003 as Entry No. 72980-2003, (blanket in nature)
15. Certificate of Non-Compliance, recorded January 30, 2006 as Entry No. 11124-2006.
16. An irrigation ditch running along the Northerly boundary of subject Land and any rights associated thereto. (shown on survey)
17. The effect of the 1969 Farmland Assessment Act, wherein there is a five (5) year roll-back provision with regard to assessment and taxation, by reason of that certain Application for Assessment and Taxation of Agricultural Land, recorded March 4, 2006 as Entry No. 17785-2006. (non survey related)
18. Rights of tenancy in the Land, if any, and rights of all parties claiming by, through or under said tenancy(s). (non survey related)

TABLE A

- 1) All monuments used and set are shown on survey.
- 2) Parcel address 1250 East 1200 North, Mapleton, Utah.
- 3) Parcel is located in Flood Zone X, per FEMA FIRM map 49049C0564F effective June 19, 2020.
- 4) Subject Parcel contains 247,828 square feet or 5.689 acres .
- 5) 1 foot contours are shown on survey.
- 6) Substantial features are shown on survey.
- 7) Utilities are shown on survey.
- 8) Adjacent owners are shown on survey.
- 9) Distance to nearest intersecting street is shown on survey.
- 10) All plottable easements are shown on survey.
- 11) All insurance liability minimums have been met.



LOCATED IN THE NORTHEAST QUARTER
OF SECTION 11
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN
MAPLETON, UTAH COUNTY, UTAH



LAYTON
Phone: 801.547.1100

TOOELE
Phone: 435.843.3590

CEDAR CITY
Phone: 435.865.1453

RICHFIELD
Phone: 435.896.2983

WWW.ENSIGNENG.COM

FOR:
LOUISA MAY ALCOTT SCHOOL
2650 SOUTH MAIN STREET
MAPLETON, UTAH, 84664

CONTACT:
CARRIE ASHCRAFT
PHONE:

LOUISA MAY ALCOTT SITE 2
ALTA/NPS LAND TITLE & TOPOGRAPHIC SURVEY

**1250 EAST 1200 NORTH
MAPLETON, UTAH**



ALT/NSPS
LAND TITLE
& TOPOGRAPHIC
SURVEY

PROJECT NUMBER 15106	PRINT DATE 2026-09-08
PROJECT MANAGER P. Harris	DESIGNED BY B. Greenleaf

1 OF 1

GENERAL NOTES

- ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: THE DESIGN ENGINEER, LOCAL AGENCY JURISDICTION, APWA (CURRENT EDITION), AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). THE ORDER LISTED ABOVE IS ARRANGED BY SENIORITY. THE LATEST EDITION OF ALL STANDARDS AND SPECIFICATIONS MUST BE ADHERED TO. IF A CONSTRUCTION PRACTICE IS NOT SPECIFIED BY ANY OF THE ABOVE SOURCES, CONTRACTOR MUST CONTACT DESIGN ENGINEER FOR DIRECTION.
- CONTRACTOR TO STRICTLY FOLLOW THE MOST CURRENT COPY OF THE SOILS REPORT FOR THIS PROJECT. ALL GRADING INCLUDING BUT NOT LIMITED TO CUT, FILL, COMPACTION, ASPHALT SECTION, SUBBASE, TRENCH EXCAVATION/BACKFILL, SITE GRUBBING, AND FOOTINGS MUST BE COORDINATED DIRECTLY WITH SOILS REPORT.
- CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFORE SUBMITTING BID.
- CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE CITY, STATE, OR COUNTY REGULATIONS FOR WORKING IN THE PUBLIC WAY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF OR DAMAGE TO EXISTING UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.
- ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED, OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GREEN".
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES.
- ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.
- NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
- EXISTING UTILITY INFORMATION SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. IT IS DERIVED FROM ON-SITE SURVEY AND/OR UTILITY MAPPING PROVIDED TO THE ENGINEER, AND THEREFORE UTILITIES MAY NOT BE LOCATED CORRECTLY, EITHER HORIZONTALLY OR VERTICALLY, AND MAY NOT BE ALL INCLUSIVE. CONTRACTOR IS REQUIRED TO FOLLOW THE PROCEDURE OUTLINED BELOW:
 - CONTRACTOR IS REQUIRED TO LOCATE AND POT HOLE ALL EXISTING UTILITY LINES (BOTH HORIZONTALLY AND VERTICALLY) THAT AFFECT THE PROJECT CONSTRUCTION, EITHER ON-SITE OR OFF-SITE, AND DETERMINE IF THERE ARE ANY CONFLICTS WITH THE DESIGN OF THE SITE AS SHOWN ON THE APPROVED PLANS PRIOR TO ANY CONSTRUCTION. IF IT IS DETERMINED THAT CONFLICTS EXIST BETWEEN EXISTING UTILITIES AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) THE ENGINEER MUST BE NOTIFIED IMMEDIATELY TO CORRECT THE CONFLICTS BEFORE ANY WORK CAN BEGIN. IF THE CONTRACTOR FAILS TO FOLLOW THIS ABSOLUTE REQUIREMENT AND CONFLICTS ARISE DURING CONSTRUCTION THE CONTRACTOR WILL BEAR THE SOLE RESPONSIBILITY TO FIX THE CONFLICTS.
 - CONTRACTOR IS REQUIRED TO VERIFY THAT PROPER COVER AND PROTECTION OF EXISTING UTILITY LINES IS MAINTAINED OR ATTAINED WITHIN THE DESIGN ONCE VERIFICATION OF THE EXISTING UTILITIES IS COMPLETED AS OUTLINED IN 16.1 ABOVE.
 - IN ADDITION TO 16.1 AND 16.2 ABOVE, THE CONTRACTOR WILL VERIFY DEPTHS OF UTILITIES IN THE FIELD BY "POT HOLE"ING A MINIMUM OF 300 FEET AHEAD OF PROPOSED PIPELINE CONSTRUCTION TO AVOID POTENTIAL CONFLICTS WITH DESIGNED PIPELINE ALIGNMENT AND GRADE AND EXISTING UTILITIES.
 - IF A CONFLICT ARISES BETWEEN EXISTING UTILITIES AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) AS DETERMINED UNDER 16.1, 16.2 OR 16.3 THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY TO RESOLVE THE CONFLICT.
 - IF A CONFLICT ARISES BETWEEN EXISTING UTILITIES AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO IDENTIFY AND/OR "POT HOLE" EXISTING UTILITIES AS REQUIRED IN 16.1, 16.2 AND 16.3 ABOVE, THE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER OR ENGINEER.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES.
- CONTRACTOR SHALL, AT THE TIME OF BIDDING AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT REQUIRED BY THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
- IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
- WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.
- CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED, WHERE NECESSARY. SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR PRIOR TO ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL DELIVER TO THE ENGINEER ONE SET OF NEATLY MARKED RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- ALL EXISTING GATES AND FENCES TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL GATES AND FENCES FROM DAMAGE.
- ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL TREES FROM DAMAGE.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE GOVERNING AGENCY PRIOR TO THE PLACEMENT.
- CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE.
- A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES 1 ACRE OR MORE AS WELL AS A STORM WATER POLLUTION PREVENTION PLAN.

UTILITY NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS, CITY AND STATE REQUIREMENTS AND THE MOST RECENT EDITIONS OF THE FOLLOWING: THE INTERNATIONAL PLUMBING CODE, UTAH DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL OF THE ABOVE-MENTIONED DOCUMENTS UNLESS OTHERWISE NOTED AND APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE & INTERNET SERVICE, GAS SERVICE, CABLE, AND POWER.
- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS BASED ON ON-SITE SURVEY. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE PROJECT.
- CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT CONTRACTOR'S EXPENSE.
- TRENCH BACKFILL MATERIAL AND COMPACTION TESTS ARE TO BE TAKEN PER APWA STANDARD SPECIFICATIONS (CURRENT EDITION), SECTION 33 05 20 - BACKFILLING TRENCHES, OR AS REQUIRED BY THE GEOTECHNICAL REPORT IF NATIVE MATERIALS ARE USED. NO NATIVE MATERIALS ARE ALLOWED IN THE PIPE ZONE. THE MAXIMUM LIFT FOR BACKFILLING EXCAVATIONS IS DETERMINED BY THE GEOTECHNICAL RECOMMENDATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
- THE CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNING ENTITY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE, CAUSED BY ANY CONDITION INCLUDING SETTLEMENT, TO EXISTING UTILITIES FROM WORK PERFORMED AT OR NEAR EXISTING UTILITIES. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE ROADWAY AND UTILITY FACILITIES. DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID FACILITIES.
- ALL WATER LINE AND SEWER LINE INSTALLATION AND TESTING TO BE IN ACCORDANCE WITH LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- ALL MANHOLES, HYDRANTS, VALVES, CLEANOUT BOXES, CATCH BASINS, METERS, ETC. MUST BE RAISED OR LOWERED TO FINAL GRADE PER APWA (CURRENT EDITION) STANDARDS AND INSPECTOR REQUIREMENTS. CONCRETE COLLARS MUST BE CONSTRUCTED ON ALL MANHOLES, CLEANOUT BOXES, CATCH BASINS, AND VALVES PER APWA STANDARDS. ALL MANHOLE, CATCH BASIN, OR CLEANOUT BOX CONNECTIONS MUST BE MADE WITH THE PIPE CUT FLUSH WITH THE INSIDE OF THE BOX AND GROUTED OR SEALED.
- CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW OR EXISTING PIPE DURING CONSTRUCTION.
- SILT AND DEBRIS ARE TO BE CLEANED OUT OF ALL STORM DRAIN BOXES. CATCH BASINS ARE TO BE MAINTAINED IN A CLEANED CONDITION AS NEEDED UNTIL AFTER THE FINAL BOND RELEASE INSPECTION.
- CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE LIDS AND INLET GRATES TO ALLOW ACCESS.
- EACH TRENCH SHALL BE EXCAVATED SO THAT THE PIPE CAN BE LAID TO THE ALIGNMENT AND GRADE AS REQUIRED. THE TRENCH WALL SHALL BE SO BRACED THAT THE WORKMEN MAY WORK SAFELY AND EFFICIENTLY. ALL TRENCHES SHALL BE DRAINED SO THE PIPE LAYING MAY TAKE PLACE IN DEWATERED CONDITIONS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.
- ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM SEPARATION OF 10 FEET, EDGE TO EDGE, FROM THE WATER LINES. IF A 10 FOOT SEPARATION CAN NOT BE MAINTAINED, CONSTRUCT PER GOVERNING AGENCY'S MINIMUM SEPARATION STANDARDS.
- CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS AND TEES.
- ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK AND STREET PAVING.
- CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL NONMETALLIC PIPE.

TRAFFIC CONTROL AND SAFETY NOTES

- TRAFFIC CONTROL AND STRIPING TO CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT M.U.T.C.D.
- NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM THE APPROPRIATE AGENCY, EXCEPT WHEN DIRECTED BY LAW ENFORCEMENT OR FIRE OFFICIALS.
- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL PROPERTIES ADJACENT TO THE WORK.
- DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, REQUIRE THE INSTALLATION OF TEMPORARY STREET STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE GOVERNING AGENCY FOR REVIEW AND APPROVAL.
- ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE WORK TO THE SATISFACTION OF THE GOVERNING AGENCY.
- TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL TIMES.
- ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH TRANSIT AUTHORITY (UTA) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

DEMOLITION NOTES

- EXISTING UTILITY INFORMATION SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. IT IS DERIVED FROM ON-SITE SURVEY AND MAY NOT BE LOCATED CORRECTLY AND IS NOT ALL INCLUSIVE. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE BEGINNING DEMOLITION/CONSTRUCTION.
- THERE MAY BE BURIED UTILITIES WITHIN THE LIMITS OF DISTURBANCE THAT ARE NOT SHOWN ON THE PLANS DUE TO LACK OF MAPPING OR RECORD INFORMATION. CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN UNEXPECTED UTILITIES ARE DISCOVERED.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL EXISTING UTILITIES AND IMPROVEMENTS WHETHER OR NOT SHOWN ON THESE PLANS. THE FACILITIES AND IMPROVEMENTS ARE BELIEVED TO BE CORRECTLY SHOWN BUT THE CONTRACTOR IS REQUIRED TO SATISFY HIMSELF AS TO THE COMPLETENESS AND ACCURACY OF THE LOCATIONS. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY, OR INDIRECTLY, FROM HIS OPERATIONS, WHETHER OR NOT SAID FACILITIES ARE SHOWN ON THESE PLANS.

GRADING AND DRAINAGE NOTES

- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL RELATED ADDENDUMS.
- THE CONTRACTOR SHALL STRIP AND CLEAR THE TOPSOIL, MAJOR ROOTS AND ORGANIC MATERIAL FROM ALL PROPOSED BUILDING AND PAVEMENT AREAS PRIOR TO SITE GRADING. (THE TOPSOIL MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.)
- THE CONTRACTOR SHALL REMOVE ALL ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIALS PRIOR TO PLACING GRADING FILL OR BASE COURSE. THE AREA SHOULD BE PROOF-ROLLED TO IDENTIFY ANY SOFT AREAS. WHERE SOFT AREAS ARE ENCOUNTERED, THE CONTRACTOR SHALL REMOVE THE SOIL AND REPLACE WITH COMPACTED FILL.
- ALL DEBRIS PILES AND BERMS SHOULD BE REMOVED AND HAULED AWAY FROM SITE OR USED AS GENERAL FILL IN LANDSCAPED AREAS.
- THE CONTRACTOR SHALL CONSTRUCT THE BUILDING PAD TO THESE DESIGN PLANS AS PART OF THE SITE GRADING CONTRACT, AND STRICTLY ADHERE TO THE SITE PREPARATION AND GRADING REQUIREMENTS OUTLINED IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING ASPHALT, CURB AND GUTTER, AND ADJOINING SITE IMPROVEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE AND DEBRIS ON ADJACENT STREETS WHEN EQUIPMENT IS TRAVELING THOSE STREETS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL CONDITIONS AND RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND TAKE ALL NECESSARY PRECAUTIONS AND RECOMMENDED PROCEDURES TO ASSURE SOUND GRADING PRACTICES.
- THE CONTRACTOR SHALL TAKE APPROPRIATE GRADING MEASURES TO DIRECT STORM SURFACE RUNOFF TOWARDS CATCH BASINS.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON ON-SITE SURVEY. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES, AND SLOPES SHOWN.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT. ALL CONTRACTOR ACTIVITIES 1 ACRE OR MORE IN SIZE ARE REQUIRED TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER FROM GOVERNING AGENCY.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHT-OF-WAYS IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY-OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE, AND USABLE CONDITION.

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION
AR	ACCESSIBLE ROUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BOS	BOTTOM OF STEP
BVC	BEGIN VERTICAL CURVE
CB	CURB
CB	CATCH BASIN
CF	CURB FACE OR CUBIC FEET
CL	CENTER LINE
CO	CLEAN OUT
COMM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
ELEC	ELECTRICAL
ELEV	ELEVATION
EDA	EDGE OF ASPHALT
EVG	END OF VERTICAL CURVE
EW	EACH WAY
EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE OR FLANGE
GB	GRADE BREAK
GF	GARAGE FLOOR
GV	GATE VALVE
HC	HANDICAP
HP	HIGH POINT
IRR	IRRIGATION
K	RATE OF VERTICAL CURVATURE
LD	LAND DRAIN
LF	LINEAR FEET
LP	LOW POINT
MEX	MATCH EXISTING
MH	MANHOLE
MJ	MECHANICAL JOINT
NG	NATURAL GROUND
NIC	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OHP	OVERHEAD POWER
PC	POINT OF CURVATURE OR PRESSURE CLASS
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PRO	PROPOSED
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RD	ROOF DRAIN
ROW	RIGHT OF WAY
S	SLOPE
SAN SWR	SANITARY SEWER
SD	STORM DRAIN
SEC	SECONDARY
SS	SANITARY SEWER
STA	STATION
SW	SECONDARY WATER LINE
TBC	TOP BACK OF CURB
TG	TOP OF GRATE
TOA	TOP OF ASPHALT
TOC	TOP OF CONCRETE
TOF	TOP OF FOUNDATION
TOW	TOP OF WALL
TOS	TOP OF STEP
TYP	TYPICAL
VC	VERTICAL CURVE
WIV	WALL INDICATOR VALVE
W	WATER LINE

NOTE: MAY CONTAIN ABBREVIATIONS THAT ARE NOT USED IN THIS PLAN SET.

LEGEND

	SECTION CORNER		EXISTING EDGE OF ASPHALT
	EXISTING MONUMENT		PROPOSED EDGE OF ASPHALT
	PROPOSED MONUMENT		EXISTING STRIPING
	EXISTING REBAR AND CAP		PROPOSED STRIPING
	SET ENSIGN REBAR AND CAP		EXISTING FENCE
	EXISTING WATER METER		PROPOSED FENCE
	PROPOSED WATER METER		EXISTING FLOW LINE
	EXISTING WATER MANHOLE		PROPOSED FLOW LINE
	PROPOSED WATER MANHOLE		GRADE BREAK
	EXISTING WATER BOX		EXISTING STORM DRAIN LINE
	EXISTING WATER VALVE		PROPOSED STORM DRAIN LINE
	PROPOSED WATER VALVE		ROOF DRAIN LINE
	EXISTING FIRE HYDRANT		CATCHMENTS
	PROPOSED FIRE HYDRANT		HIGHWATER LINE
	PROPOSED FIRE DEPARTMENT CONNECTION		EXISTING SANITARY SEWER
	EXISTING SECONDARY WATER VALVE		PROPOSED SANITARY SEWER LINE
	PROPOSED SECONDARY WATER VALVE		PROPOSED SAN. SWR. SERVICE LINE
	EXISTING IRRIGATION BOX		EXISTING LAND DRAIN LINE
	EXISTING IRRIGATION VALVE		PROPOSED LAND DRAIN LINE
	PROPOSED IRRIGATION VALVE		EXISTING CULINARY WATER LINE
	EXISTING SANITARY SEWER MANHOLE		PROPOSED CULINARY WATER LINE
	PROPOSED SANITARY SEWER MANHOLE		PROPOSED CULINARY WATER SERVICE LINE
	EXISTING SANITARY CLEAN OUT		EXISTING SECONDARY WATER LINE
	EXISTING STORM DRAIN CLEAN OUT BOX		PROPOSED SECONDARY WATER LINE
	PROPOSED STORM DRAIN CLEAN OUT BOX		PROPOSED SEC. WATER SERVICE LINE
	EXISTING STORM DRAIN INLET BOX		EXISTING IRRIGATION LINE
	EXISTING STORM DRAIN CATCH BASIN		PROPOSED IRRIGATION LINE
	PROPOSED STORM DRAIN CATCH BASIN		EXISTING OVERHEAD POWER LINE
	EXISTING STORM DRAIN COMBO BOX		PROPOSED ELECTRICAL LINE
	PROPOSED STORM DRAIN COMBO BOX		EXISTING GAS LINE
	EXISTING STORM DRAIN CLEAN OUT		EXISTING TELEPHONE LINE
	EXISTING STORM DRAIN CULVERT		ACCESSIBLE ROUTE
	PROPOSED STORM DRAIN CULVERT		SAW CUT LINE
	TEMPORARY SAG INLET PROTECTION		STRAW WATTLE
	TEMPORARY IN-LINE INLET PROTECTION		TEMPORARY BERM
	ROOF DRAIN		TEMPORARY SILT FENCE
	EXISTING ELECTRICAL MANHOLE		LIMITS OF DISTURBANCE
	EXISTING ELECTRICAL BOX		PROPOSED WALL
	EXISTING TRANSFORMER		EXISTING CONTOURS
	EXISTING UTILITY POLE		PROPOSED CONTOURS
	EXISTING LIGHT		BUILDABLE AREA WITHIN SETBACKS
	PROPOSED LIGHT		PUBLIC DRAINAGE EASEMENT
	EXISTING GAS METER		EXISTING ASPHALT TO BE REMOVED
	EXISTING GAS MANHOLE		PROPOSED ASPHALT
	EXISTING GAS VALVE		EXISTING CURB AND GUTTER
	EXISTING TELEPHONE MANHOLE		PROPOSED CURB AND GUTTER
	EXISTING TELEPHONE BOX		PROPOSED REVERSE PAN CURB AND GUTTER
	EXISTING TRAFFIC SIGNAL BOX		TRANSITION TO REVERSE PAN CURB
	EXISTING CABLE BOX		CONCRETE TO BE REMOVED
	EXISTING BOLLARD		EXISTING CONCRETE
	PROPOSED BOLLARD		PROPOSED CONCRETE
	EXISTING SIGN		BUILDING TO BE REMOVED
	PROPOSED SIGN		EXISTING BUILDING
	EXISTING SPOT ELEVATION		PROPOSED BUILDING
	PROPOSED SPOT ELEVATION		
	EXISTING FLOW DIRECTION		
	EXISTING TREE		
	DENSE VEGETATION		

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TOOELE
3950 N Tealby Way, Ste 200
Erda, UT 84074
Phone: 435.843.3590

SANDY
Phone: 801.255.0529

LAYTON
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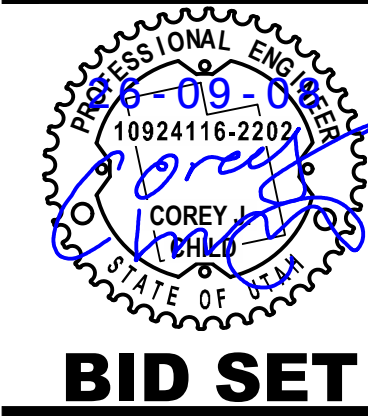
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FOR:
BARCOCK DESIGN
52 EXCHANGE PLACE
SALT LAKE CITY, UTAH 84111

CONTACT:
RICKY PARKINSON
PHONE: 385-301-2938

**LOUISA MAY ALCOTT COMMUNITY SCHOOL
NEW CHARTER SCHOOL CAMPUS**

**1250 EAST 1200 NORTH
MAPLETON, UTAH**



BID SET

**ENSIGN GENERAL
NOTES**

PROJECT NUMBER
15106A

PRINT DATE
2026-09-08

PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-001

811

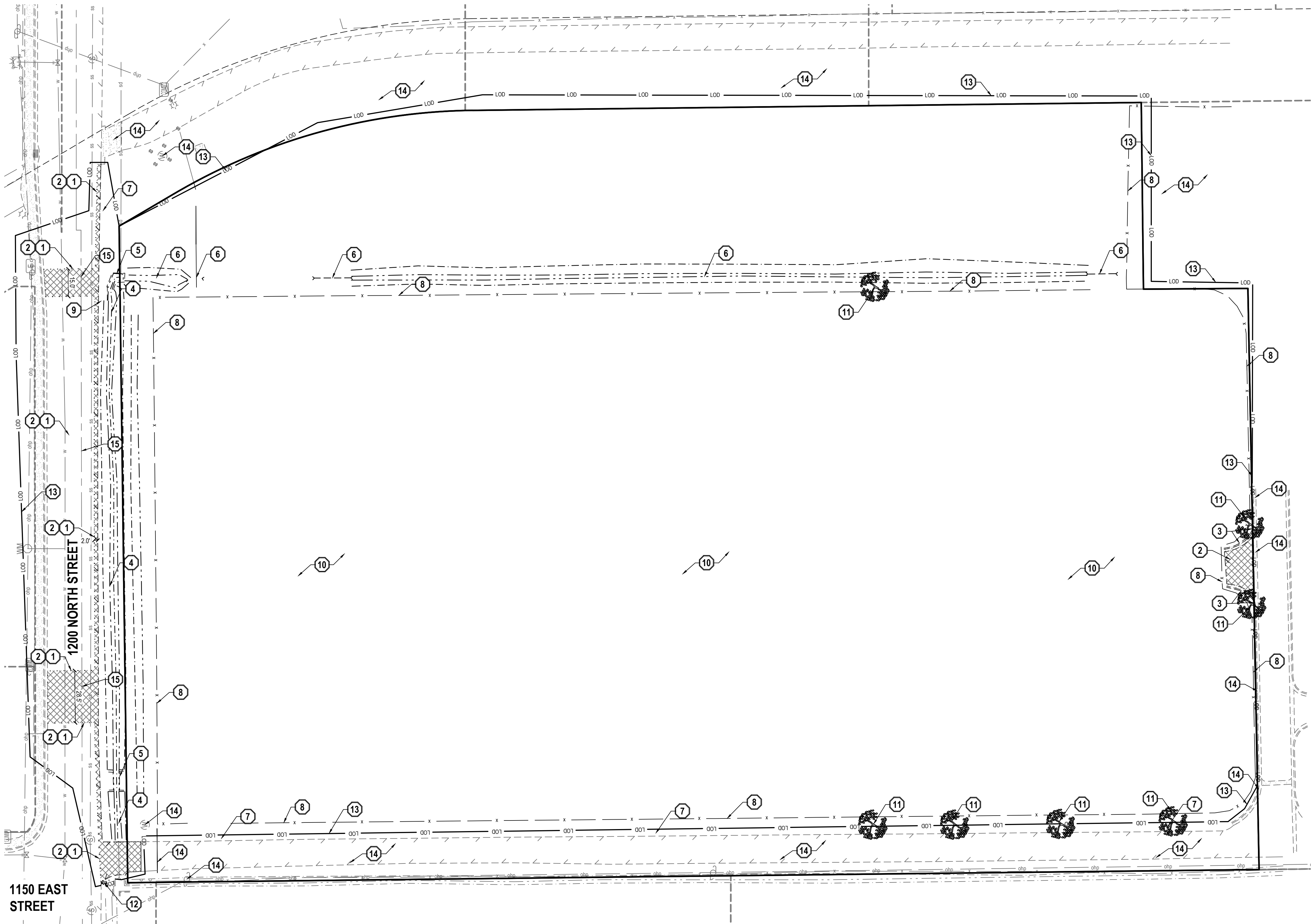
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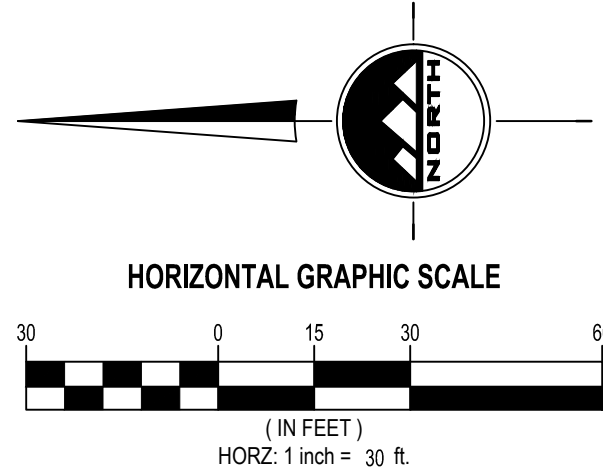
EAST QUARTER CORNER OF SECTION 11,
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



- GENERAL NOTES**
- ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
 - EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
 - ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES AND DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
 - ALL CONSTRUCTION SIGNAGE, BARRICADES, TRAFFIC CONTROL DEVICES, ETC. SHALL CONFORM TO THE LATEST EDITION OF THE M.U.T.C.D. THE CONTRACTOR WILL MAINTAIN SUCH SO THAT THEY ARE PROPERLY PLACED AND VISIBLE AT ALL TIMES.
 - SIDEWALKS AND CURBS DESIGNATED TO BE DEMOLISHED SHALL BE DEMOLISHED TO THE NEAREST EXPANSION JOINT, MATCHING THESE PLANS AS CLOSELY AS POSSIBLE.
 - THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.

- SCOPE OF WORK:**
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:
- SAWCUT EXISTING ASPHALT PAVEMENT TO PROVIDE A CLEAN EDGE FOR THE TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVEMENT.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING ASPHALT PAVEMENT.
 - SAWCUT, REMOVE, AND PROPERLY DISPOSE OF EXISTING CONCRETE CURB AND GUTTER.
 - REMOVE EXISTING IRRIGATION DITCH AND PREPARE AREA FOR IRRIGATION PIPE. SEE UTILITY PLAN. COORDINATE WITH LOCAL IRRIGATION COMPANY AND GEOTECHNICAL ENGINEER.
 - REMOVE EXISTING IRRIGATION STRUCTURES AND PREPARE AREA FOR IRRIGATION PIPE. SEE UTILITY PLAN. COORDINATE WITH LOCAL IRRIGATION COMPANY AND GEOTECHNICAL ENGINEER.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING IRRIGATION DITCH AND PIPES.
 - REMOVE EXISTING LANDSCAPING IN THIS AREA. RETROFIT AND REPAIR IRRIGATION SYSTEM AS NEEDED. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING FENCE.
 - REMOVE AND PROPERLY DISPOSE OF EXISTING SIGN.
 - REMOVE AND PROPERLY DISPOSE OF ALL EXISTING STRUCTURES, WITHIN THE PROJECT LIMITS, WHETHER OR NOT SPECIFICALLY IDENTIFIED ON THESE PLANS. CONTRACTOR SHALL BACKFILL ALL VOIDS CREATED DURING DEMOLITION WITH APPROVED STRUCTURAL FILL, COMPACTED TO 95% PER ASTM D1557, TO MATCH PROPOSED SUBGRADE ELEVATIONS.
 - TREE REMOVAL & PRUNING: CONTRACTOR SHALL RETAIN A LICENSED ARBORIST TO REMOVE AND PROPERLY DISPOSE OF ALL TREES (INCLUDING STUMPS AND ROOT BALLS) WITHIN THE LIMITS OF DISTURBANCE. FOR TREES OUTSIDE THE LIMITS OF DISTURBANCE DESIGNATED TO REMAIN, CONTRACTOR SHALL PRUNE ENCRDACHING LIMBS AND BRANCHES AS NECESSARY FOR CONSTRUCTION CLEARANCE. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH ANSI A300 STANDARDS TO ENSURE THE CONTINUED HEALTH OF THE TREE.
 - RELOCATE EXISTING MAILBOX TO NEW LOCATION PER HOMEOWNER.
 - LIMIT OF DISTURBANCE.
 - PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, SIGNS, ETC. (TYPICAL UNLESS OTHERWISE NOTED).
 - REPLACE EXISTING PAVEMENT MARKINGS FROM EXISTING ASPHALT PAVEMENT AS NEEDED BY GRINDING OR WATER BLASTING, OR APPROVED EQUAL, TO MINIMIZE SURFACE SCARRING.



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TOOELE

3950 N Tealby Way, Ste 200
Erda, UT 84074
Phone: 435.843.3590

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Phone: 801.255.0529

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FOR:

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CONTACT:

RICKY PARKINSON
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NEW CHARTER SCHOOL CAMPUS

1250 EAST 1200 NORTH
MAPLETON, UTAH

PROFESSIONAL ENGINEER
COREY CHILD
10924116-2202

BID SET

DEMOLITION PLAN

PROJECT NUMBER
15106A

PRINT DATE
2026-09-08

PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-100

811

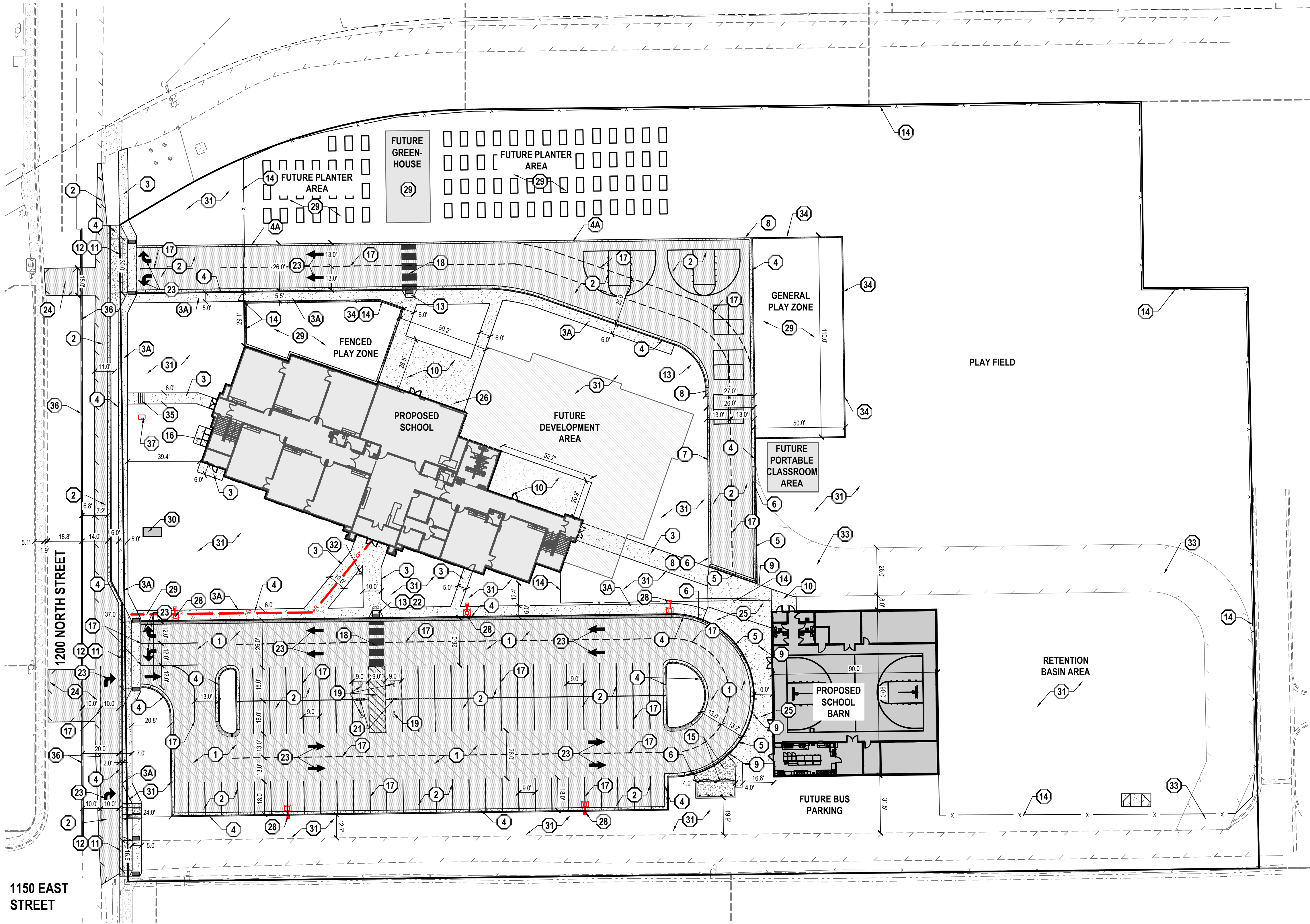
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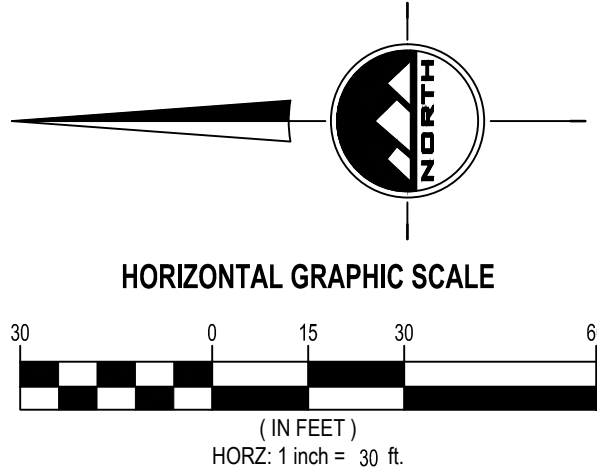
ELEV = 4828.82'



- GENERAL NOTES**
- ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
 - ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
 - SEE LANDSCAPE/ARCHITECTURAL PLANS FOR CONCRETE MATERIAL, COLOR, FINISH, AND SCORE PATTERNS THROUGHOUT SITE.
 - ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE M.U.T.C.D. (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
 - ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES AND DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
 - NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE OR ASPHALT.
 - THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.

- SCOPE OF WORK:**
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- HEAVY-DUTY ASPHALT PAVEMENT PER GEOTECHNICAL REPORT AND DETAIL 5/C-600.
 - STANDARD ASPHALT PAVEMENT PER GEOTECHNICAL REPORT AND DETAIL 4/C-600.
 - 4" THICK CONCRETE SIDEWALK PER APWA STANDARD PLAN NO. 231 AND DETAIL 5/C-600.
 - 4" THICK CONCRETE SIDEWALK PER APWA STANDARD PLAN NO. 231 AND WITH MONOLITHIC CURB PER APWA STANDARDS SPECIFICATIONS, SEE DETAIL 1.
 - 24" TYPE "A" CURB AND GUTTER PER APWA STANDARD PLAN NO. 205.1.
 - 24" TYPE "F" MOUNTABLE CURB AND GUTTER PER 2017 APWA STANDARD PLAN NO. 205.2.
 - TRANSITION BETWEEN DIFFERENT CURB AND GUTTER TYPES SIMILAR PER TO APWA PLAN 216.
 - 24" REVERSE PAN CURB AND GUTTER PER DETAIL 2/C-600.
 - 12" RIBBON CURB PER DETAIL 13/C-601.
 - TRANSITION BETWEEN CURB STYLES.
 - INSTALL CONCRETE BOLLARDS PER DETAIL 16/C-601.
 - CONCRETE PAVEMENT PER GEOTECHNICAL REPORT AND DETAIL 6/C-600.
 - OPEN DRIVEWAY APPROACH PER APWA STANDARD PLAN NO. 225.
 - 8" THICK CONCRETE SIDEWALK THROUGH DRIVE APPROACH WITH DETECTABLE WARNING SURFACE PER APWA STANDARD PLAN NO. 238 AND SPECIFICATIONS.
 - HANDICAP ACCESS RAMP PER APWA STANDARD PLAN NO. 235 WITH DETECTABLE WARNING SURFACE PER APWA STANDARD PLAN NO. 238.
 - FENCE AND GATES PER ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR TYPE OF FENCE, AND LOCATION AND TYPE OF ALL ACCESS GATES THROUGHOUT THE PROJECT.
 - DOUBLE TRASH ENCLOSURE SEE ARCHITECTURAL PLANS FOR TYPE AND DETAIL 12/C-601 WITH 6" THICK CONCRETE APRON WITH #4 REBAR @ 24" O.C. E.W. ON 6" GRAVEL BASE.
 - CONCRETE PAD FOR ELECTRICAL EQUIPMENT. LAYOUT SHOWN IS SCHEMATIC IN NATURE AND MAY VARY IN THE FIELD. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - 4" WIDE SOLID WHITE PAVEMENT MARKING PER M.U.T.C.D. STANDARD PLANS.
 - WHITE CROSSWALK MARKING PER M.U.T.C.D. STANDARD PLANS.
 - PAINTED ADA SYMBOL AND ASSOCIATED HATCHING PER M.U.T.C.D. STANDARD PLANS.
 - "HANDICAP PARKING" SIGN PER M.U.T.C.D. STANDARD PLANS.
 - "VAN ACCESSIBLE HANDICAP PARKING" SIGN AND BOLLARD PER M.U.T.C.D. STANDARD PLANS, DETAIL 4/C-600.
 - INSTALL PAINTED "LOOK" IN CROSS WALK AND "WATCH FOR CROSS TRAFFIC" SIGN.
 - PAINTED LANE-USE ARROWS PER M.U.T.C.D. STANDARD PLANS.
 - 3" ASPHALT PAVEMENT PATCH PER MAPLETON STD. PLAN, NO. M-255.
 - CONCRETE PAD WITH MONOLITHIC CURB PER APWA STANDARDS SPECIFICATIONS, DETAILS 6, 8, 9/C-600.
 - BIKE RACK SEE DETAIL 10/C-601.
 - PEDESTRIAN ASSOCIABLE ROUTE TO PUBLIC RIGHT-OF-WAY.
 - 24" TALL LIGHT POLE AND CONCRETE BASE, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - FUTURE AMENITY LOCATION PER OWNER.
 - LIGHTED MONUMENT SIGN PER SEPARATE PERMIT. SEE ARCHITECTURAL PLANS.
 - REFER TO LANDSCAPE PLANS. COORDINATE ALL WORK WITH LANDSCAPE PLANS AND SPECIFICATIONS.
 - INSTALL FLAG POLE AND BASE PER MANUFACTURER'S STANDARDS AND SPECIFICATIONS.
 - FUTURE ASPHALT ACCESS ROAD.
 - 6" TYPE "P" CURB WALL PER APWA STANDARD PLAN NO. 209.
 - STAIRS IN SIDEWALK. SEE GRADING PLAN FOR ELEVATION INFORMATION. DETAILS 3 & 7/C-600.
 - 4" WIDE SOLID PAVEMENT MARKING PER M.U.T.C.D. STANDARD PLANS AND MAPLETON CITY.
 - TRANSFORMER LOCATION, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NOTE: MAY CONTAIN KEYNOTES THAT ARE NOT USED ON THIS SHEET.

PARKING TABLE		
TOTAL CLASSROOM SPACE:	20	3 STALLS PER CLASSROOM
TOTAL ADMIN SPACES:	5	3 STALLS PER ADMIN
TOTAL REQUIRED PARKING:	(20+5)/3	75
STANDARD STALLS	76	
ADA STALLS	4	
TOTAL STALLS PROVIDED:	80	



EN SIGN

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PROFESSIONAL ENGINEER

2026-09-08

10924116-2202

COREY CHILD

BID SET

SITE PLAN

PROJECT NUMBER
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PRINT DATE
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PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-200

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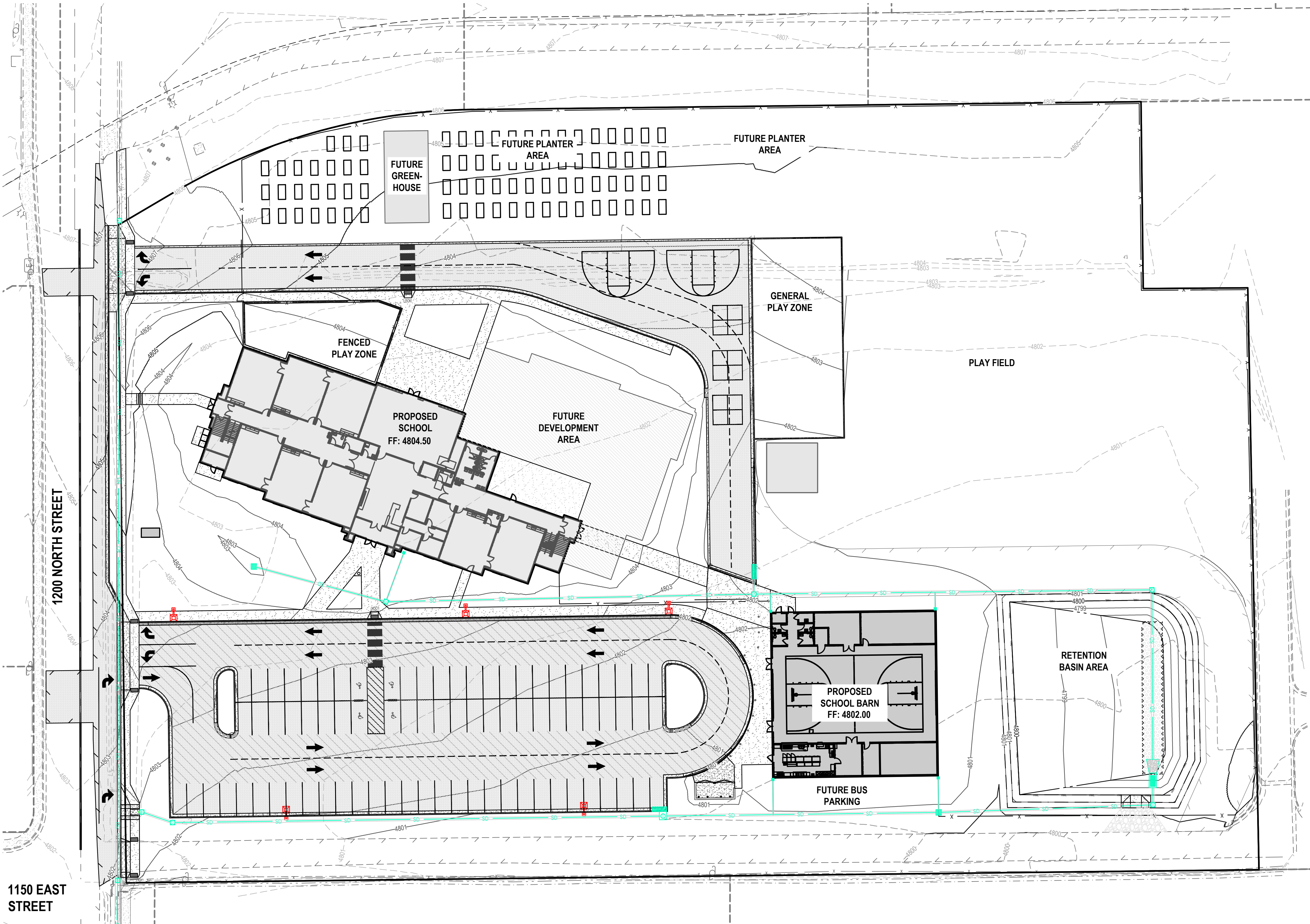
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- GENERAL NOTES**
- ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
 - ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
 - ALL WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER POSSIBLY INCLUDING, BUT NOT LIMITED TO, REMOVAL OF UNCONSOLIDATED FILL, ORGANICS, AND DEBRIS, PLACEMENT OF SUBSURFACE DRAIN LINES AND GEOTEXTILE, AND OVEREXCAVATION OF UNSUITABLE BEARING MATERIALS AND PLACEMENT OF ACCEPTABLE FILL MATERIAL.
 - THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SOIL CONDITIONS.
 - ELEVATIONS HAVE BEEN TRUNCATED FOR CLARITY. XX.XX REPRESENTS AN ELEVATION OF 48XX.XX ON THESE PLANS.
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EN SIGN

THE STANDARD IN ENGINEERING

TOOELE

3950 N Tealby Way, Ste 200

Erda, UT 84074

Phone: 435.843.3590

SANDY

Phone: 801.255.0529

LAYTON

Phone: 801.547.1100

CEDAR CITY

Phone: 435.865.1453

RICHFIELD

Phone: 435.896.2983

WWW.ENSIGNENG.COM

FOR:

BARCOCK DESIGN

52 EXCHANGE PLACE

SALT LAKE CITY, UTAH 84111

CONTACT:

RICKY PARKINSON

PHONE: 385-301-2938

LOUISA MAY ALCOTT COMMUNITY SCHOOL
NEW CHARTER SCHOOL CAMPUS
1250 EAST 1200 NORTH
MAPLETON, UTAH

PROFESSIONAL ENGINEER
10924116-2202
COREY CHILD
STATE OF UTAH

BID SET

OVERALL GRADING
& DRAINAGE PLAN

PROJECT NUMBER
15106A

PRINT DATE
2026-09-08

PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-300

811

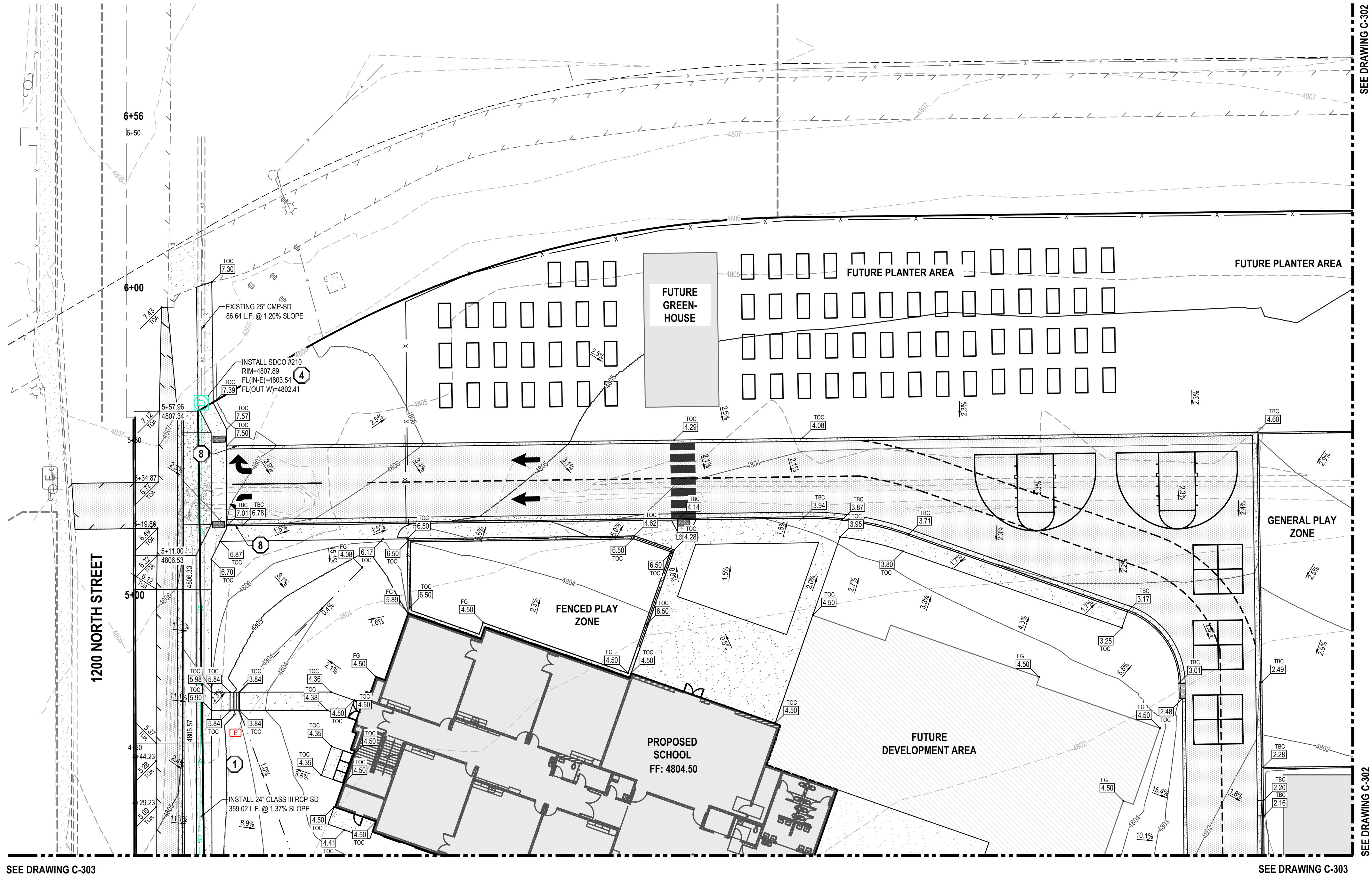
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BENCHMARK

EAST QUARTER CORNER OF SECTION 11,
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



- GENERAL NOTES
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- 2

DOUBLE CATCH BASIN PER MAPLETON STD. PLAN, NO. M-315.2.
- 3

REVERSE DOUBLE COMBINATION INLET/CLEANOUT BOX PER APWA PLAN NO. 316 AND PER MAPLETON STD. PLAN, NO. M-315.2.
- 4

CLEANOUT BOX PER APWA STANDARD PLAN NO. 330 AND SPECIFICATIONS.
- 5

SHOULDER OR APPROVED EQUAL. CUT PIPE FLUSH WITH STRUCTURAL WALL. ENSURE PIPE/STRUCTURE INTERFACE IS SMOOTH AND FREE OF DEBRIS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. INSTALL ON OUTLET SIDE OF STORM DRAIN BOX. DETAIL 6/C-601.
- 6

INSERT-A-TEE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 7

DUE TO THE ANGLE AT WHICH THE PIPES COME INTO THE STORM DRAIN BOXES AND SOFTWARE CONSTRAINTS, PIPES APPEAR TO BE COMING OUT OF THE CORNERS OF THE BOXES. THIS IS NOT TRULY HOW THE PIPES ARE TO BE INSTALLED, THEY ARE TO BE INSTALLED IN THE SIDE OF STORM DRAIN BOXES.
- 8

TRANSITION FROM 0' TO 6" CURB HEIGHT SEE GRADING PLAN FOR MORE INFORMATION.
- 9

ROOF DRAIN CONNECTION: 6" SDR-35 PVC CLEANOUT TO GRADE, DETAIL 5/C-601.
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CONCRETE SPILLWAY W/ RIPRAP PER DETAIL 11/C-601.
- 15

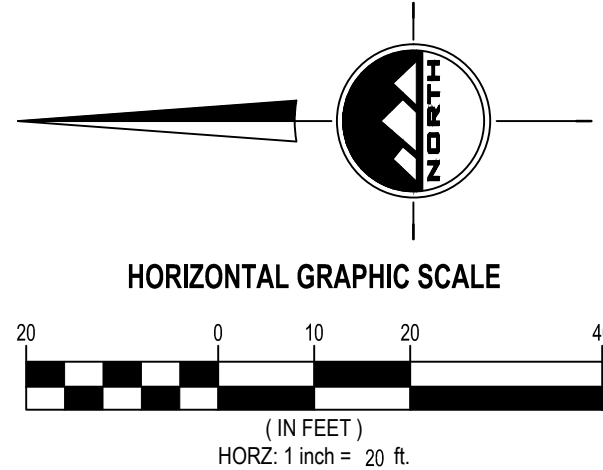
GRAVEL SUMP SLOPED OUTLET STRUCTURE PER DETAIL 7/C-601. WITH OUTLET RIPRAP SEE DETAILS 9/C-601.
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SEE MECHANICAL PLANS FOR CONTINUATION.
- 17

CURB CUT PER DETAIL 3/C-602.
- 18

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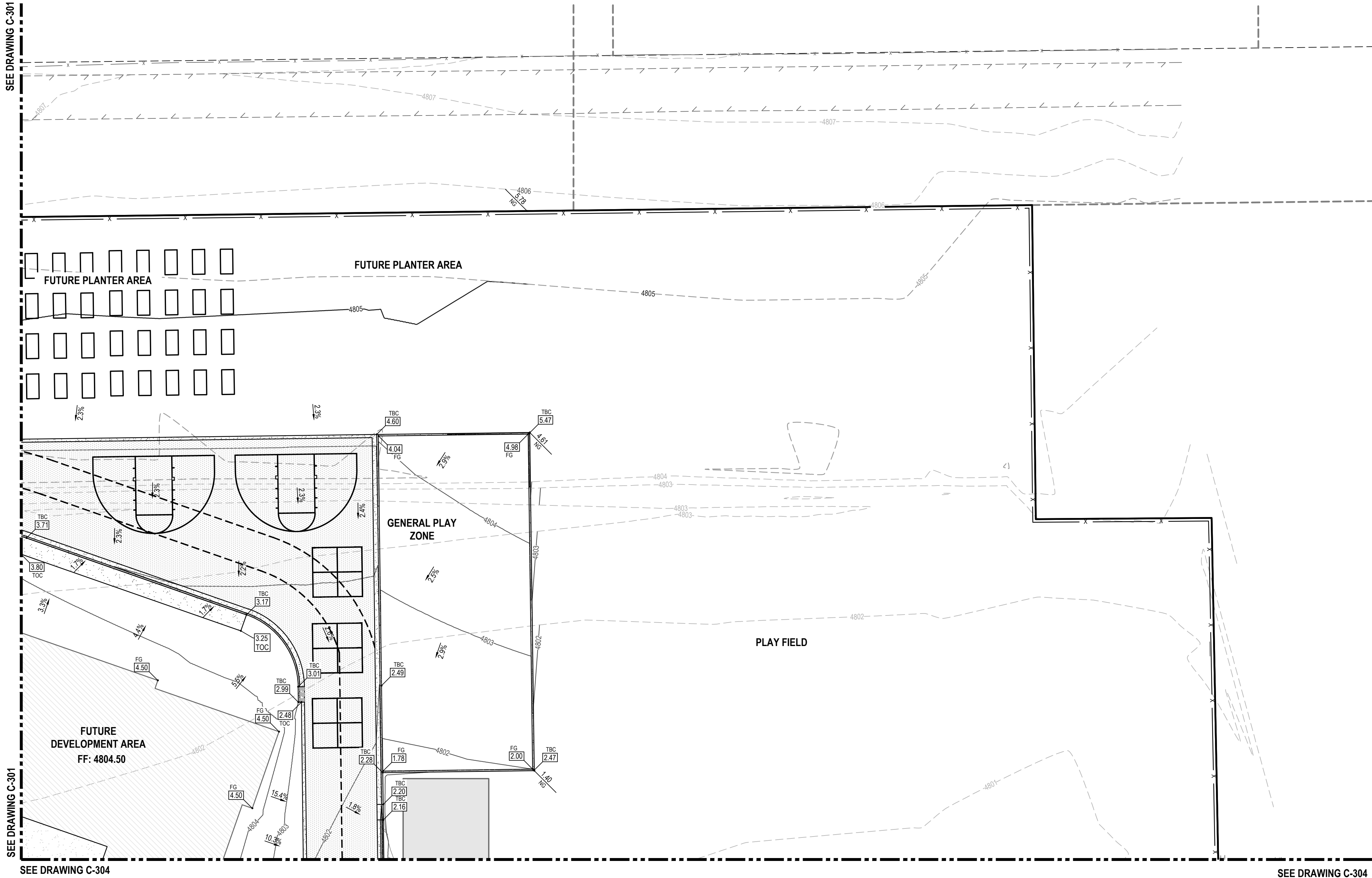
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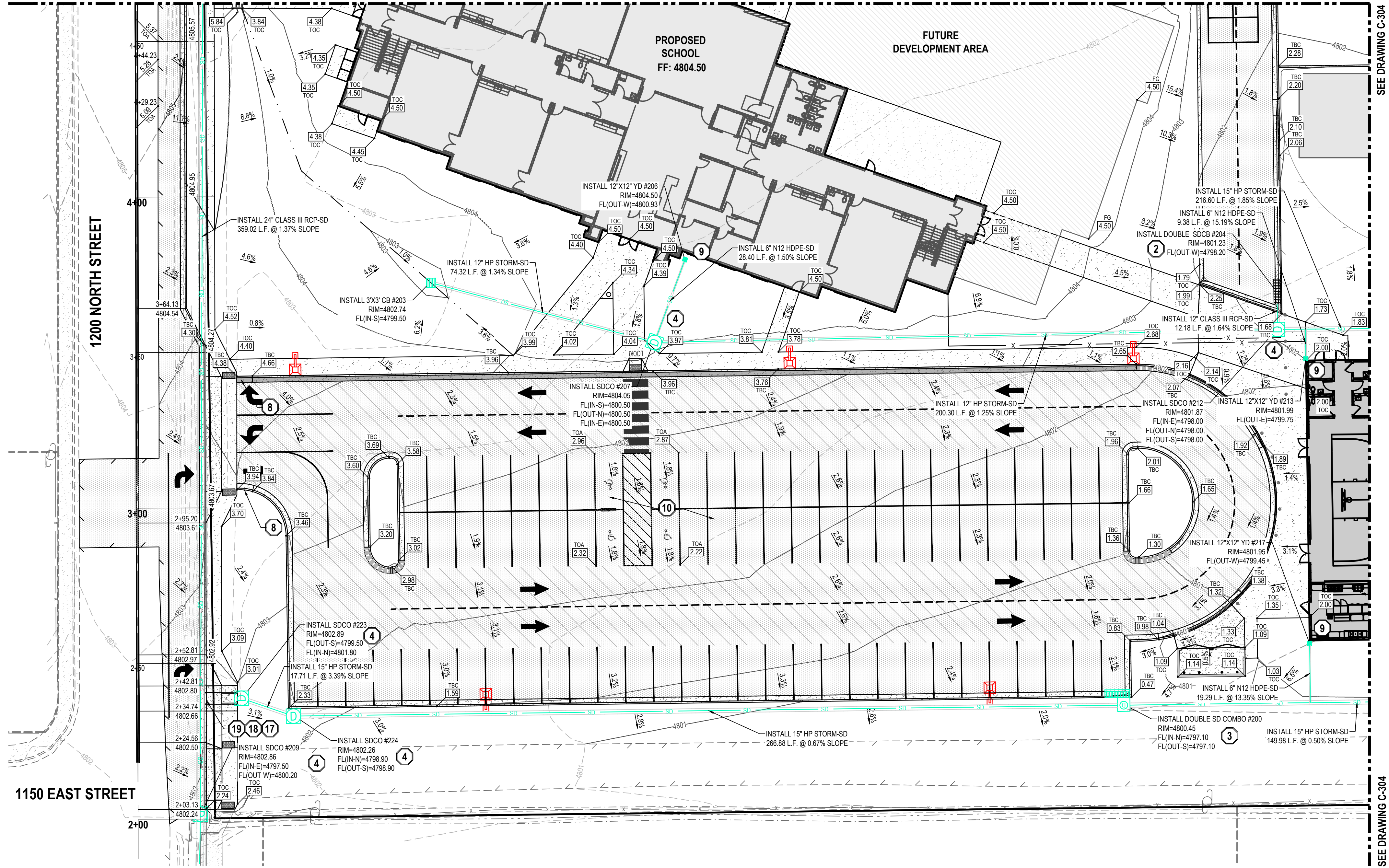
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SEE DRAWING C-301



SEE DRAWING C-304

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SNOUT 18\"/>
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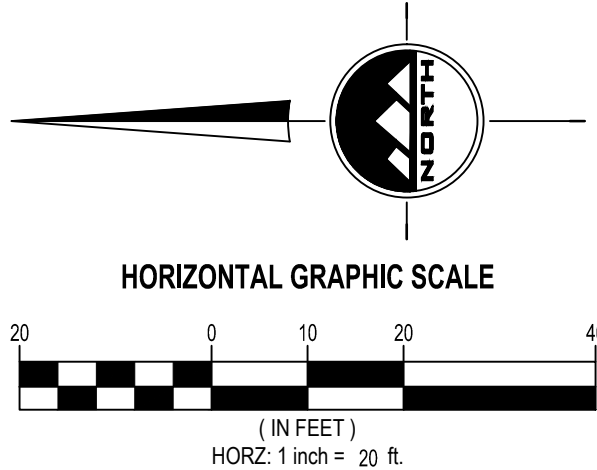
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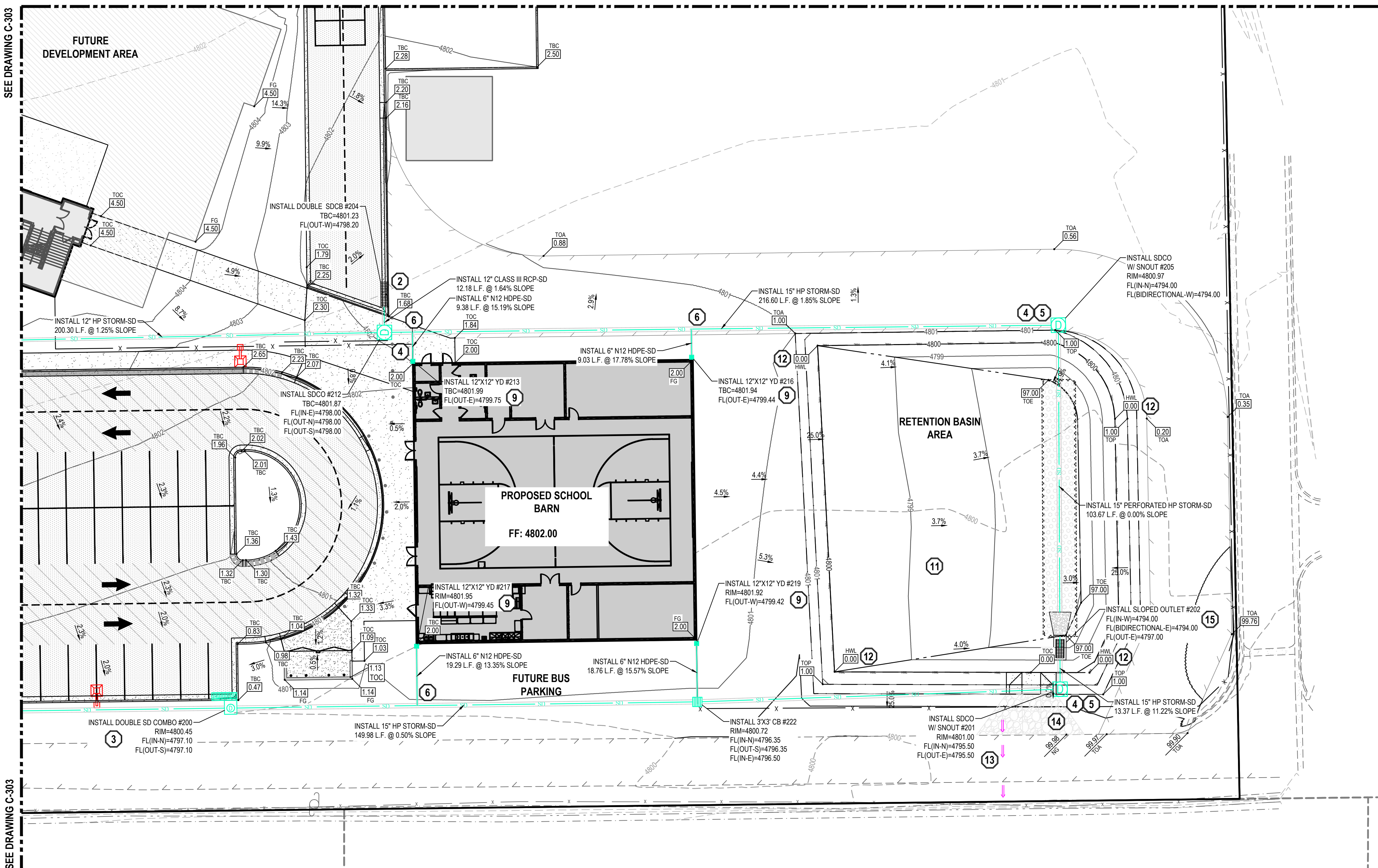
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SEE DRAWING C-302

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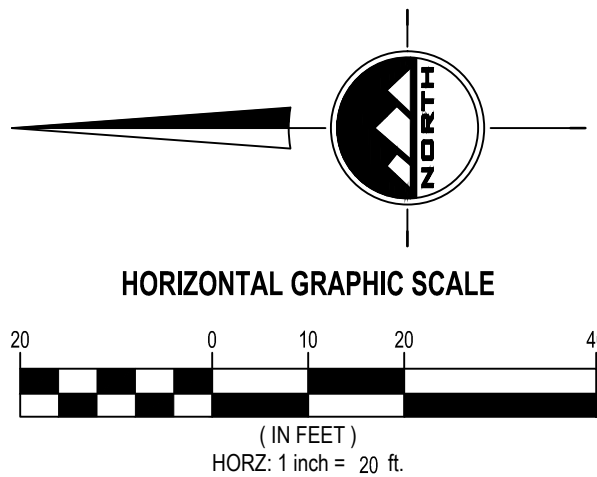
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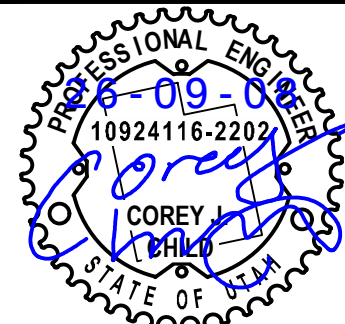
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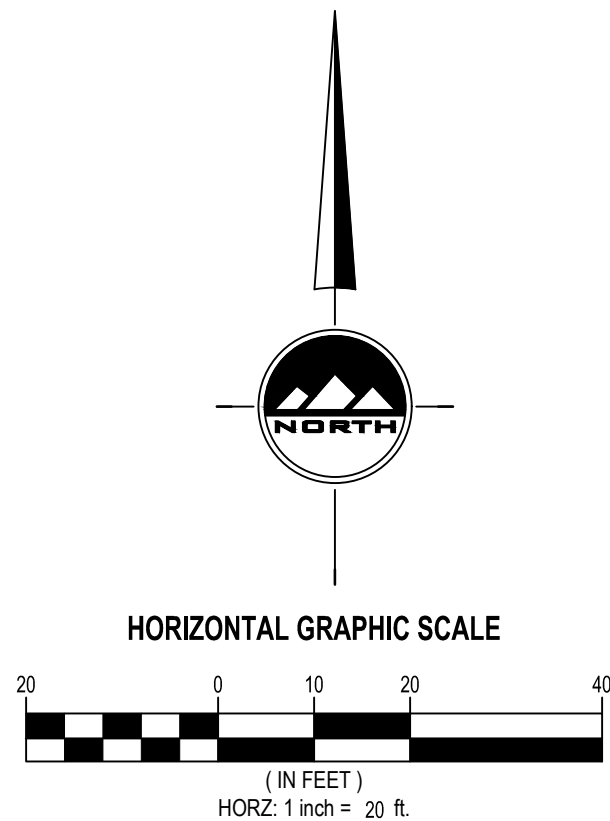
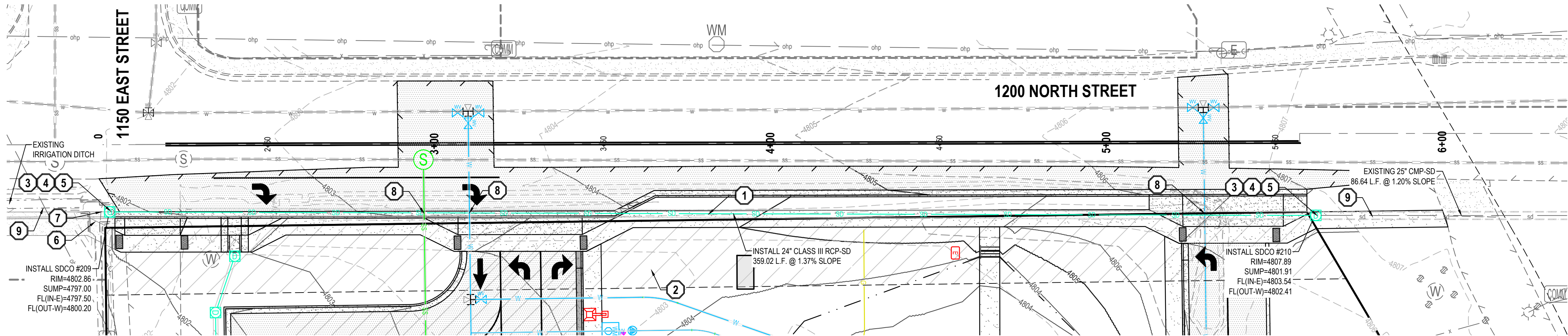
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@ 811 AT LEAST 48 HOURS
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BENCHMARK

EAST QUARTER CORNER OF SECTION 11,
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



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FOR:
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52 EXCHANGE PLACE
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CONTACT:
RICKY PARKINSON
PHONE: 385-301-2838

LOUISA MAY ALCOTT COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

1250 EAST 1200 NORTH

MAPLETON, UTAH

BID SET

IRRIGATION LINE

SITE PLAN

PROJECT NUMBER
15106A

PRINT DATE
2026-09-08

PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-305

 Project: Louisa May Alcott School - Mapleton Campus By: Corey Child Date: 2026-09-08 Project No.: 15106A Checked By: J. Clegg			
RETENTION CALCULATION			
AREA CALCULATION			
Hardscape Area:	2.31 acres	Runoff Coeff. C:	0.90
Landscape/Native Area:	3.03 acres	Runoff Coeff. C:	0.20
Offsite Area:	0.21 acres	Runoff Coeff. C:	0.90
Total Area:	5.55 acres	Weighted C:	0.52
RUNOFF CALCULATION			
100 Year Design Storm			
Infiltration rate from Perk Test 12" per hour with factor of safety of 2		6 in/hr	
Total Infiltration Area		11,223 ft ²	
Total Infiltration / Allowable Runoff		1,559 cfs	
Time (min)	CA (Acres)	Precipitation (in/hr)	Time (sec)
5	2.87	6.02	300
10	2.87	5.05	600
15	2.87	4.17	900
30	2.87	2.81	1,800
60	2.87	1.74	3,600
120	2.87	0.97	7,200
180	2.87	0.69	10,800
360	2.87	0.38	21,600
720	2.87	0.23	43,200
1440	2.87	0.13	86,400
Storage Required:		12,379	
Storage Provided:		13,731	
PEAK FLOW			
100 Year Design Storm			
Q _{peak} =CIA			
C =	0.52		
I (in/hr)	4.17	15 min TOC	
A(acres) =	5.55		
Q _{peak} (cfs) =	11.98		



September 2, 2026

Louisa May Alcott Community School
c/o Babcock Design Group
52 Exchange Place
Salt Lake City, UT 84111

Attention: Ricky Parkinson
EMAIL: ricky@babcockdesign.com

Subject: Percolation Testing
Louisa May Alcott Community School
1150 East 1200 North
Mapleton, Utah
Project No. 1260315

Ricky:

Applied Geotechnical Engineering Consultants, Inc. was requested to conduct a percolation test for the proposed Louisa May Alcott Community School at 1150 East 1200 North in Mapleton, Utah.

We conducted a geotechnical study and presented our findings and recommendations in a report dated July 14, 2026 under Project No. 1260315.

PROPOSED CONSTRUCTION

We understand that a retention basin is planned for the southwestern part of the site.

SUBSURFACE CONDITIONS

Boring P-1 was drilled at the approximate location indicated on Figure 1 on August 28, 2026. The boring was drilled with 8-inch-diameter hollow-stem auger to a depth of approximately 9 feet below the ground surface.

Subsurface conditions encountered in the boring consist of approximately 2 feet of fill overlying lean clay that extended to a depth of approximately 5½ feet. Poorly graded gravel with silt and sand was encountered below the clay to the full depth of the boring.

No subsurface water was encountered in the boring.

7/21/26, 1:46 PM

 NOAA Atlas 14, Volume 1, Version 5 Location name: Mapleton, Utah, USA* Latitude: 40.1409°, Longitude: -111.5639° Elevation: 4803 ft* *Source: ESRI Maps *Source: USGS 	
POINT PRECIPITATION FREQUENCY ESTIMATES	
Santa Perica, Sarah Dietz, Sarah Hiett, Lillian Hiett, Kazungu Mathias, Deborah Martin, Sandra Pavlovic, Andrew Ross, Carl Trappala, David Umali, Fenghui Yao, Michael Yedda, Tim Zhou, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchon NOAA, National Weather Service, Silver Spring, Maryland	
PF_tabular PF_graphical Maps & aeri als	

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	1.58 (1.371-1.88)	2.03 (1.78-2.40)	2.80 (2.40-3.31)	3.48 (2.95-4.14)	4.56 (3.77-5.42)	5.61 (4.46-6.80)	6.62 (5.27-8.08)	7.91 (6.05-9.65)	9.96 (7.28-12.4)	11.8 (8.29-14.9)
10-min	1.21 (1.041-1.43)	1.54 (1.341-1.83)	2.13 (1.82-2.53)	2.65 (2.28-3.14)	3.46 (2.87-4.13)	4.19 (3.40-5.02)	5.05 (3.88-6.07)	6.02 (4.60-7.34)	7.68 (5.54-9.40)	8.98 (6.31-11.3)
15-min	0.996 (0.864-1.18)	1.28 (1.10-1.51)	1.76 (1.51-2.08)	2.19 (1.86-2.60)	2.86 (2.37-3.41)	3.46 (2.81-4.15)	4.17 (3.29-5.02)	4.98 (3.80-6.07)	6.26 (4.58-7.77)	7.42 (5.22-9.38)
30-min	0.672 (0.583-0.794)	0.868 (0.742-1.02)	1.18 (1.01-1.40)	1.48 (1.25-1.75)	1.93 (1.60-2.30)	2.33 (1.88-2.79)	2.81 (2.23-3.39)	3.36 (2.64-4.09)	4.22 (3.08-5.22)	4.99 (3.51-6.31)
60-min	0.415 (0.360-0.482)	0.531 (0.460-0.630)	0.733 (0.628-0.869)	0.913 (0.776-1.08)	1.19 (0.987-1.42)	1.44 (1.17-1.73)	1.74 (1.37-2.09)	2.07 (1.58-2.53)	2.61 (1.91-3.24)	3.09 (2.17-3.91)
2-hr	0.289 (0.224-0.302)	0.326 (0.261-0.379)	0.432 (0.375-0.503)	0.526 (0.456-0.614)	0.679 (0.575-0.794)	0.815 (0.678-0.971)	0.972 (0.785-1.15)	1.16 (0.931-1.39)	1.46 (1.08-1.77)	1.71 (1.23-2.14)
3-hr	0.205 (0.183-0.235)	0.256 (0.228-0.293)	0.327 (0.290-0.374)	0.392 (0.345-0.448)	0.493 (0.426-0.567)	0.581 (0.491-0.671)	0.684 (0.568-0.798)	0.804 (0.648-0.950)	1.00 (0.775-1.21)	1.18 (0.881-1.45)
6-hr	0.138 (0.124-0.152)	0.168 (0.152-0.189)	0.206 (0.188-0.231)	0.239 (0.208-0.269)	0.288 (0.255-0.324)	0.329 (0.283-0.431)	0.376 (0.323-0.431)	0.430 (0.363-0.497)	0.526 (0.431-0.620)	0.612 (0.465-0.735)
12-hr	0.089 (0.081-0.098)	0.109 (0.099-0.121)	0.132 (0.120-0.146)	0.152 (0.137-0.168)	0.180 (0.160-0.200)	0.202 (0.178-0.226)	0.232 (0.197-0.255)	0.284 (0.217-0.288)	0.294 (0.247-0.342)	0.331 (0.272-0.391)
24-hr	0.065 (0.051-0.060)	0.068 (0.063-0.074)	0.082 (0.078-0.089)	0.094 (0.086-0.102)	0.109 (0.100-0.119)	0.121 (0.111-0.132)	0.134 (0.121-0.145)	0.146 (0.132-0.159)	0.163 (0.146-0.178)	0.175 (0.156-0.198)
2-day	0.032 (0.029-0.035)	0.039 (0.036-0.043)	0.048 (0.044-0.052)	0.055 (0.051-0.060)	0.065 (0.059-0.071)	0.073 (0.068-0.079)	0.081 (0.073-0.088)	0.089 (0.080-0.098)	0.101 (0.090-0.111)	0.110 (0.097-0.121)
3-day	0.024 (0.022-0.026)	0.029 (0.027-0.032)	0.036 (0.033-0.039)	0.041 (0.038-0.045)	0.049 (0.045-0.054)	0.055 (0.050-0.061)	0.062 (0.055-0.068)	0.068 (0.061-0.075)	0.078 (0.069-0.086)	0.085 (0.074-0.094)
4-day	0.020 (0.019-0.022)	0.024 (0.022-0.027)	0.030 (0.027-0.033)	0.035 (0.031-0.038)	0.041 (0.037-0.045)	0.046 (0.042-0.051)	0.052 (0.047-0.057)	0.058 (0.051-0.064)	0.066 (0.058-0.073)	0.073 (0.065-0.081)
7-day	0.013 (0.012-0.015)	0.017 (0.015-0.019)	0.020 (0.019-0.023)	0.024 (0.021-0.026)	0.028 (0.025-0.031)	0.031 (0.028-0.035)	0.035 (0.031-0.039)	0.044 (0.034-0.045)	0.044 (0.039-0.048)	0.048 (0.042-0.053)
10-day	0.011 (0.010-0.012)	0.013 (0.012-0.014)	0.016 (0.015-0.018)	0.019 (0.017-0.020)	0.022 (0.020-0.024)	0.024 (0.022-0.026)	0.027 (0.024-0.029)	0.029 (0.026-0.032)	0.033 (0.029-0.036)	0.035 (0.031-0.039)
20-day	0.007 (0.006-0.008)	0.009 (0.008-0.010)	0.011 (0.010-0.012)	0.012 (0.011-0.013)	0.014 (0.013-0.015)	0.015 (0.014-0.017)	0.017 (0.015-0.019)	0.018 (0.016-0.020)	0.020 (0.018-0.022)	0.021 (0.019-0.023)
30-day	0.006 (0.005-0.006)	0.007 (0.006-0.008)	0.008 (0.008-0.011)	0.010 (0.010-0.012)	0.011 (0.011-0.014)	0.012 (0.012-0.015)	0.014 (0.013-0.016)	0.015 (0.015-0.018)	0.016 (0.016-0.020)	0.018 (0.016-0.020)
45-day	0.005 (0.004-0.005)	0.006 (0.005-0.006)	0.007 (0.006-0.008)	0.008 (0.007-0.010)	0.009 (0.008-0.010)	0.010 (0.009-0.011)	0.011 (0.011-0.013)	0.012 (0.012-0.014)	0.013 (0.012-0.015)	0.014 (0.013-0.015)
60-day	0.004 (0.004-0.004)	0.005 (0.005-0.006)	0.006 (0.006-0.007)	0.007 (0.006-0.008)	0.008 (0.007-0.009)	0.009 (0.008-0.010)	0.010 (0.009-0.011)	0.010 (0.009-0.011)	0.011 (0.010-0.012)	0.012 (0.011-0.013)

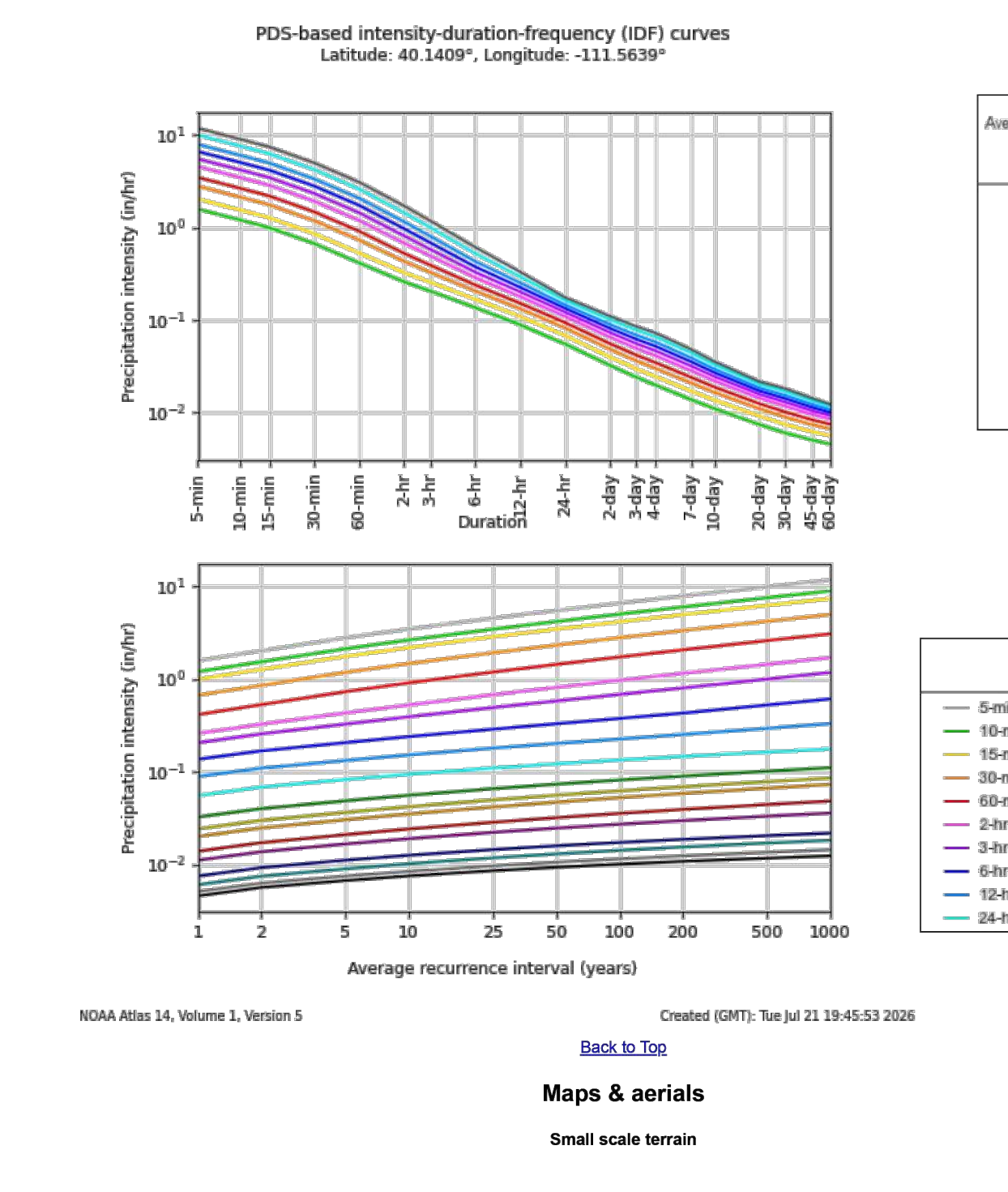
¹ Precipitation frequency (PF) estimates in this table are based on frequency analyses of partial duration series (PDS). Numbers in parentheses are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

PF graphical

https://hdsc.nws.noaa.gov/pfds/pdfs_printpage.html?lat=40.1409&lon=-111.5639&data=intensity&units=english&series=pds

1/4

7/21/26, 1:46 PM



2/4



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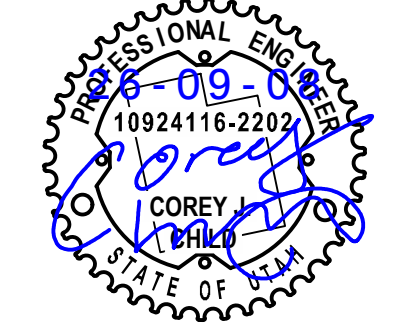
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PHONE: 385-301-2938

LOUISA MAY ALCOTT COMMUNITY SCHOOL
NEW CHARTER SCHOOL CAMPUS
1250 EAST 1200 NORTH
MAPLETON, UTAH



BID SET

DRAINAGE CALCULATIONS

PROJECT NUMBER
15106A
PROJECT MANAGER
C. CHILD
PRINT DATE
2026-09-08
DESIGNED BY
C. CHILD

C-306

811

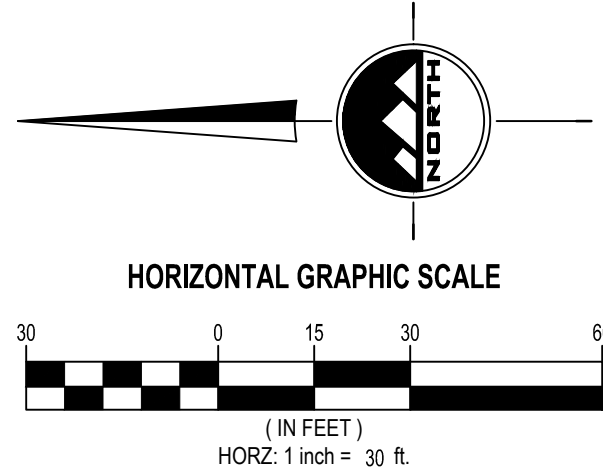
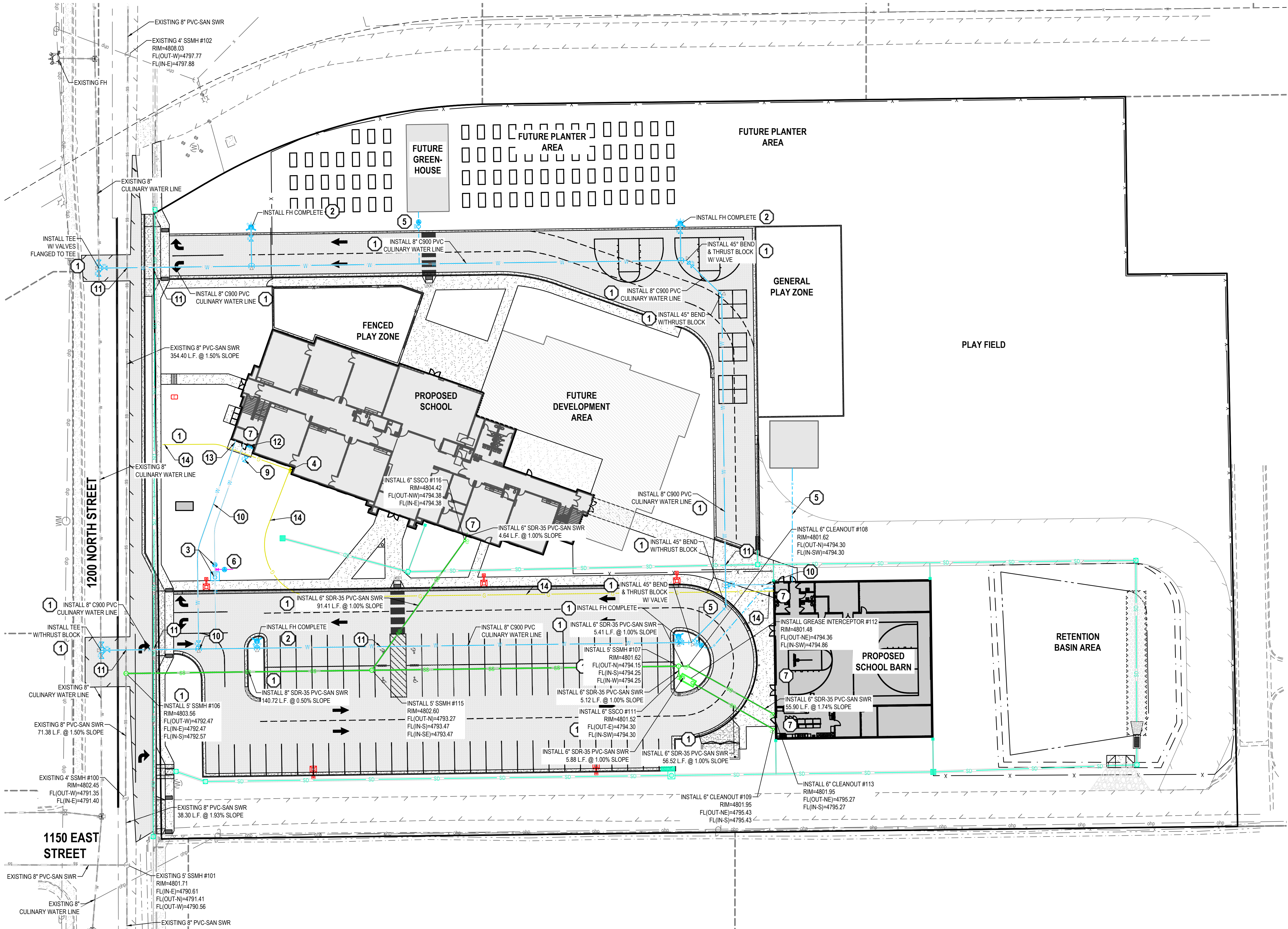
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EAST QUARTER CORNER OF SECTION 11,
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



- GENERAL NOTES
1.

ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
2.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
3.

ALL SANITARY SEWER INFRASTRUCTURE TO BE INSTALLED PER GOVERNING AGENCY STANDARD PLANS AND SPECIFICATIONS.
4.

ALL WATER INFRASTRUCTURE TO BE INSTALLED PER GOVERNING AGENCY OR APWA STANDARD PLANS AND SPECIFICATIONS.
6.

DEFLECT OR LOOP ALL WATERLINES TO AVOID CONFLICTS WITH OTHER UTILITIES PER GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
7.

PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION.
8.

THE CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL/PLUMBING PLANS.
9.

NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING UTILITY STRUCTURES OR PIPES.
10.

THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITIES AS NEEDED PER LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
11.

THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
12.

ALL INSPECTIONS PERTAINING TO UNDERGROUND WATER MAINS, THRUST BLOCKS, FLUSH TESTS, HYDROSTATIC TEST, UTAH STATE FIRE MARSHAL'S OFFICE SHALL BE INFORMED TO WITNESS THESE TESTS.

- SCOPE OF WORK:
- PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- 1

INSTALL PER GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- 2

FIRE HYDRANT ASSEMBLY COMPLETE PER MAPLETON STD. PLAN. NO. M-211.
- 3

4" CULINARY WATER METER, CONCRETE VAULT, 4" WATER LINE, AND BACKFLOW PREVENTER PER APWA STANDARD PLAN NO. 505 AND SPECIFICATIONS GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- 4

GAS METER LINE LOCATION. COORDINATE GAS SERVICE WITH ENBRIDGE GAS.
- 5

1 1/2" CULINARY WATER METER & BACKFLOW PREVENTER PER MAPLETON STD. PLAN NO. M-521 AND M-522 AND SPECIFICATIONS.
- 6

INSTALL 1 1/2" STOP AND WASTE VALVE AT POINT OF CONNECTION FOR IRRIGATION CONTRACTOR.
- 7

SEE PLUMBING PLANS FOR CONTINUATION.
- 8

CONNECT TO EXISTING SEWER CLEAN OUT PER GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- 9

POST INDICATOR VALVE LOCATION.
- 10

INSTALL 6" SDR21 IPS CLASS PVC FIRE LINE PER GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS. SEE MECHANICAL PLANS FIRE USAGE CALCULATIONS.
- 11

MAINTAIN 18" OF CLEARANCE BETWEEN PIPES, PROVIDE LOOPING (REDUNDANCY) FOR THEIR ENTIRE PROJECT.
- 12

FIRE DEPARTMENT CONNECTION
- 13

TRANSITION TO WELDED STAINLESS STEEL PIPE AND EXTEND INTO FIRE RISER ROOM INCLUDING 90° BEND AND THRUST BLOCKS TO BLIND FLANGE 12-INCHES ABOVE THE FLOOR. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR EXACT LOCATION.
- 14

3/4" 2 LB NATURAL GAS LINE (50' +/-) FROM SCHOOL TO BARN - SEE NATURAL GAS ISOMETRIC ON PLUMBING PLANS. CONTRACTOR TO CONNECT TO EXISTING LINE IN 1200 NORTH.

EN SIGN

THE STANDARD IN ENGINEERING

TOOELE

3950 N Tealby Way, Ste 200

Erda, UT 84074

Phone: 435.843.3590

SANDY

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RICKY PARKINSON

PHONE: 385-301-2938

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NEW CHARTER SCHOOL CAMPUS

1250 EAST 1200 NORTH

MAPLETON, UTAH

PROFESSIONAL ENGINEER

10924116-2202

COREY

STATE OF UTAH

BID SET

UTILITY PLAN

PROJECT NUMBER
15106A

PRINT DATE
2025-09-08

PROJECT MANAGER
C. CHILD

DESIGNED BY
C. CHILD

C-400

811

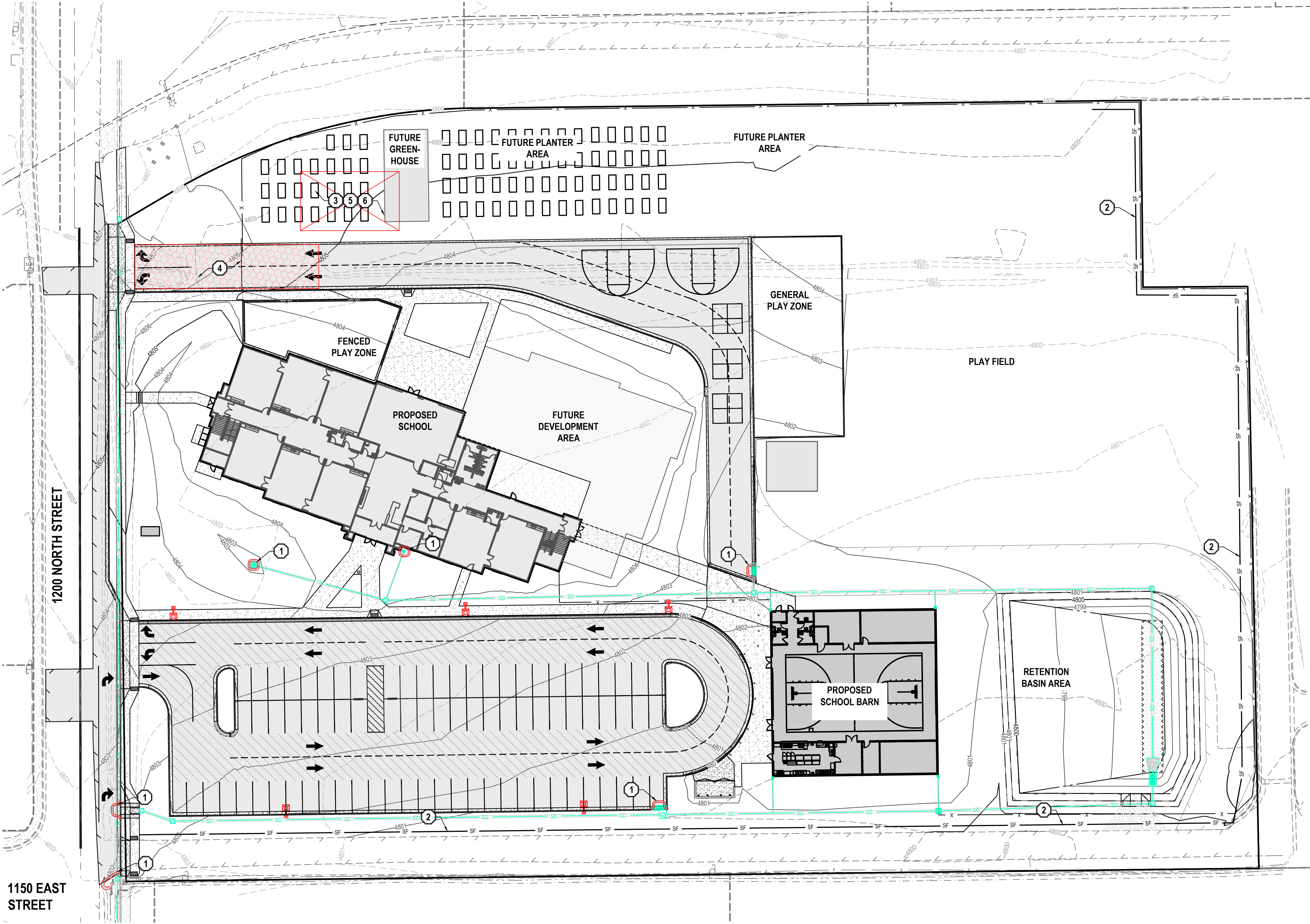
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EAST QUARTER CORNER OF SECTION 11,
TOWNSHIP 8 SOUTH, RANGE 3 EAST
SALT LAKE BASE AND MERIDIAN

ELEV = 4828.82'



- GENERAL NOTES**
- THIS PLAN IS DESIGNED AS A FIRST APPRAISAL OF NECESSARY MEANS TO PROTECT THE WATERS OF THE STATE FROM POTENTIAL POLLUTION. IT IS THE RESPONSIBILITY OF THE OWNER/OPERATOR TO ADD WARRANTED BEST MANAGEMENT PRACTICES (BMPs) AS NECESSARY. MODIFY THOSE SHOWN AS APPROPRIATE, AND DELETE FROM THE PROJECT THOSE FOUND TO BE UNNECESSARY. FEDERAL AND STATE LAW ALLOWS THESE UPDATES TO BE MADE BY THE OWNER/OPERATOR ONSITE AND RECORDED BY THE OWNER/OPERATOR ON THE COPY OF THE SWPPP KEPT ONSITE.
 - DISTURBED LAND SHALL BE KEPT TO A MINIMUM. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. HOWEVER, WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
 - RESEED DISTURBED LAND WITH NATIVE GRASS MIXTURE WITHIN 14 CALENDAR DAYS OF ACHIEVEMENT OF FINISH GRADE TO STABILIZE SOILS IF LAND IS NOT TO BE RE-WORKED WITHIN 14 CALENDAR DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES AT THAT LOCATION.
 - DETAILS SHOWN ARE TO BE EMPLOYED TO PROTECT RUNOFF AS APPROPRIATE DURING CONSTRUCTION. NOT ALL DETAILS ARE NECESSARY AT ALL PHASES OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/OPERATOR TO USE APPROPRIATE BEST MANAGEMENT PRACTICES AT THE APPROPRIATE PHASE OF CONSTRUCTION. SEE SWPPP FOR BMP IMPLEMENTATION SCHEDULE.
 - VARIOUS BEST MANAGEMENT PRACTICES HAVE BEEN SHOWN ON THE PLANS AT SUGGESTED LOCATIONS. THE CONTRACTOR MAY MOVE AND RECONFIGURE THESE BMPs TO OTHER LOCATIONS IF PREFERRED, PROVIDED THE INTENT OF THE DESIGN IS PRESERVED.
 - NOT ALL POSSIBLE BMPs HAVE BEEN SHOWN. THE CONTRACTOR IS RESPONSIBLE TO APPLY CORRECT MEASURES TO PREVENT THE POLLUTION OF STORM WATER PER PROJECT SWPPP.
 - A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES 1 ACRE OR MORE.

- SCOPE OF WORK:**
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:
- INLET PROTECTION PER DETAIL 13/C-600.
 - SILT FENCE PER DETAIL 12/C-600.
 - PORTABLE TOILET PER DETAIL 11/C-600.
 - VEHICLE WASHDOWN AND STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 10/C-600.
 - SUGGESTED TEMPORARY CONSTRUCTION SITE PARKING, STAGING, DUMPSTER, AND MATERIAL STORAGE AREA.
 - SUGGESTED STOCKPILE AREA.

REVISION SCHEDULE			
NUMBER	DATE	AUTHOR	COMPANY REPRESENTATIVE SIGNATURE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

ENSGN

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Phone: 801.547.1100

CEDAR CITY

Phone: 435.865.1453

RICHFIELD

Phone: 435.896.2983

WWW.ENSGNENG.COM

FOR:

BABCOCK DESIGN

52 EXCHANGE PLACE

SALT LAKE CITY, UTAH 84111

CONTACT:

RICKY PARKINSON

PHONE: 385-301-2938

LOUISA MAY ALCOTT COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

1250 EAST 1200 NORTH

MAPLETON, UTAH

PROFESSIONAL ENGINEER

10924116-2202

COREY CHILD

STATE OF UTAH

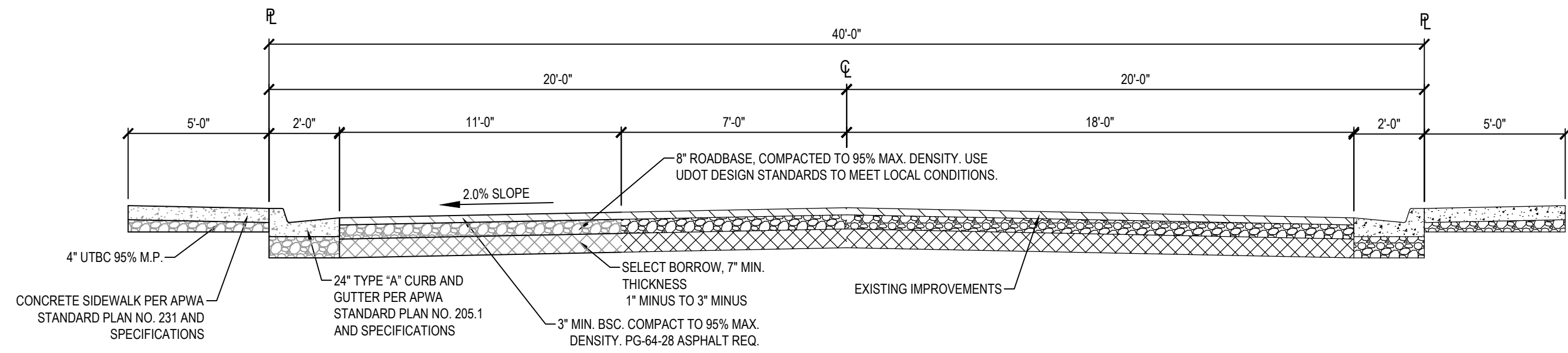
BID SET

EROSION CONTROL PLAN

PROJECT NUMBER 15106A PRINT DATE 2026-09-08

PROJECT MANAGER C. CHILD DESIGNED BY C. CHILD

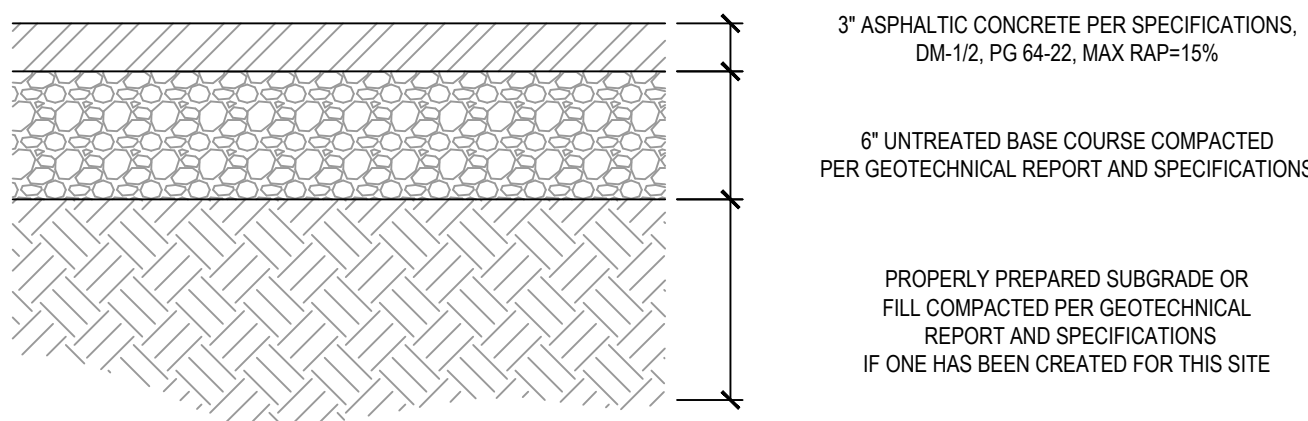
C-500



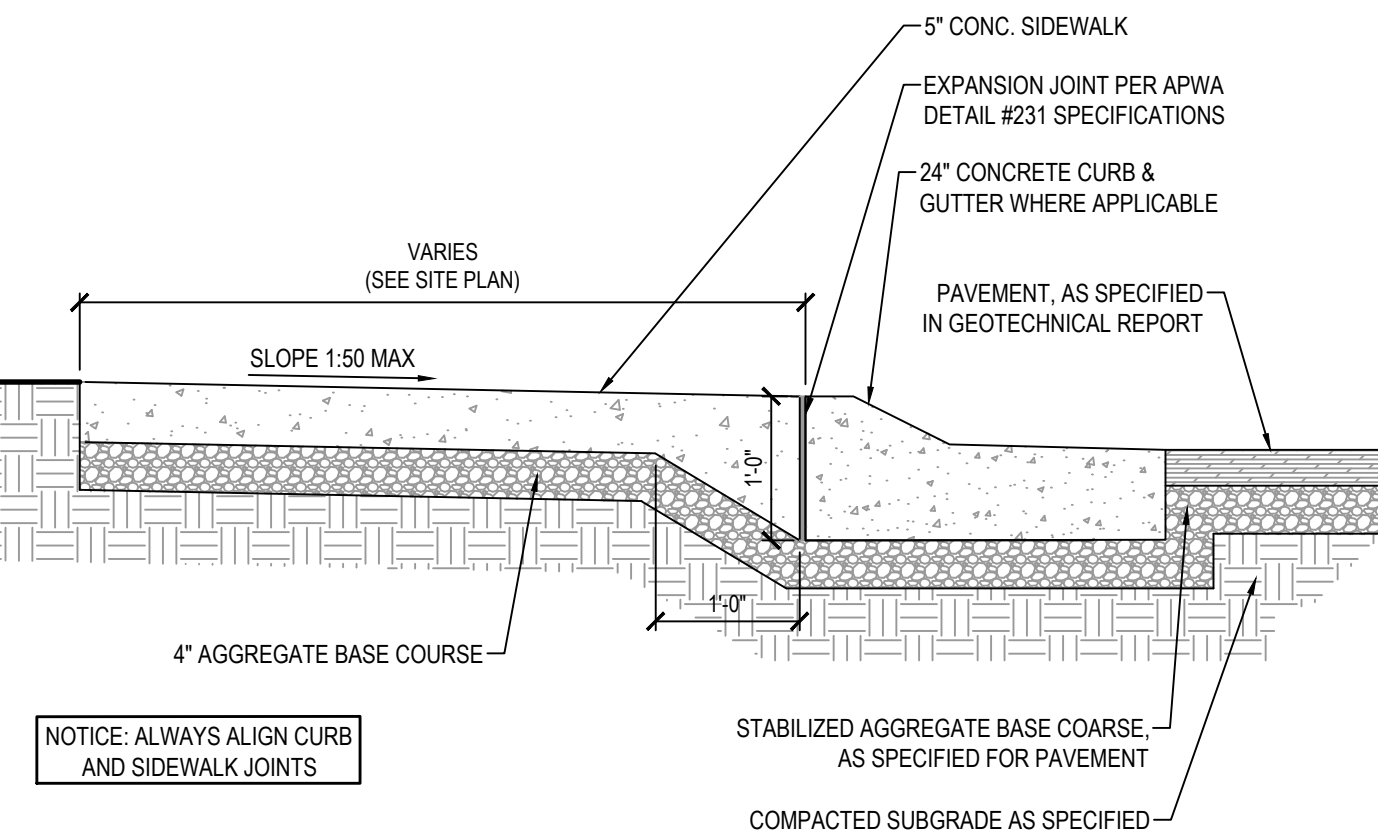
1 MODIFIED 40' MAJOR LOCAL ROAD CROSS SECTION

ASPHALT NOTES

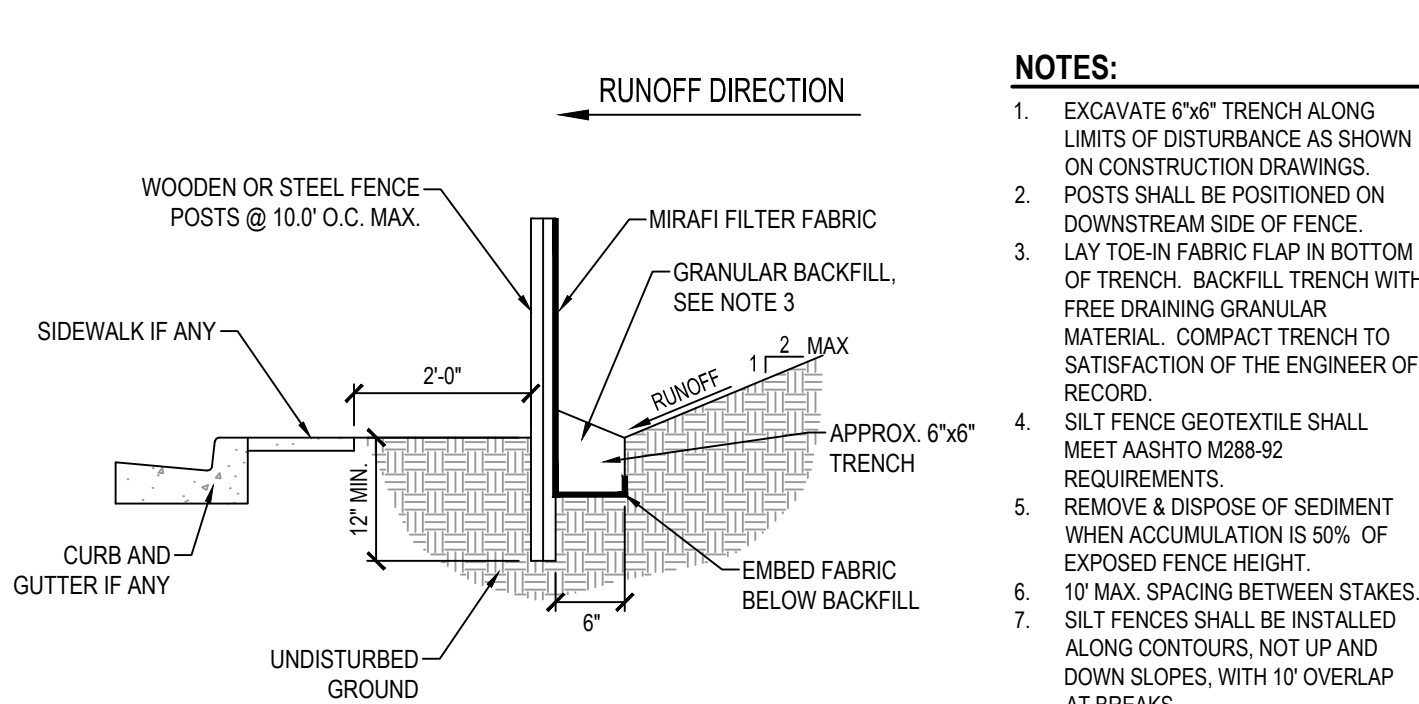
- ALL PAVING TO BE PLACED OVER PROPERLY PREPARED NATURAL SOILS AND/OR PROPERLY PREPARED EXISTING FILL SOILS AND PROPERLY COMPACTED STRUCTURAL FILL WHERE SPECIFIED.
- ALL STRUCTURAL FILL TO BE PLACED AND COMPACTED PER THE PROJECT GEOTECHNICAL REPORT OR TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO T-180 (D-1557) METHOD OF COMPACTION. LIFTS SHOULD BE PLACED PER GEOTECHNICAL RECOMMENDATIONS BUT SHOULD NOT EXCEED 8" IN LOOSE THICKNESS.
- REMOVE SURFACE VEGETATION AND OTHER DELETERIOUS MATERIALS OVER THE ENTIRE SITE IN PREPARATION OF PROPOSED IMPROVEMENTS.



4 STANDARD ASPHALT SECTION



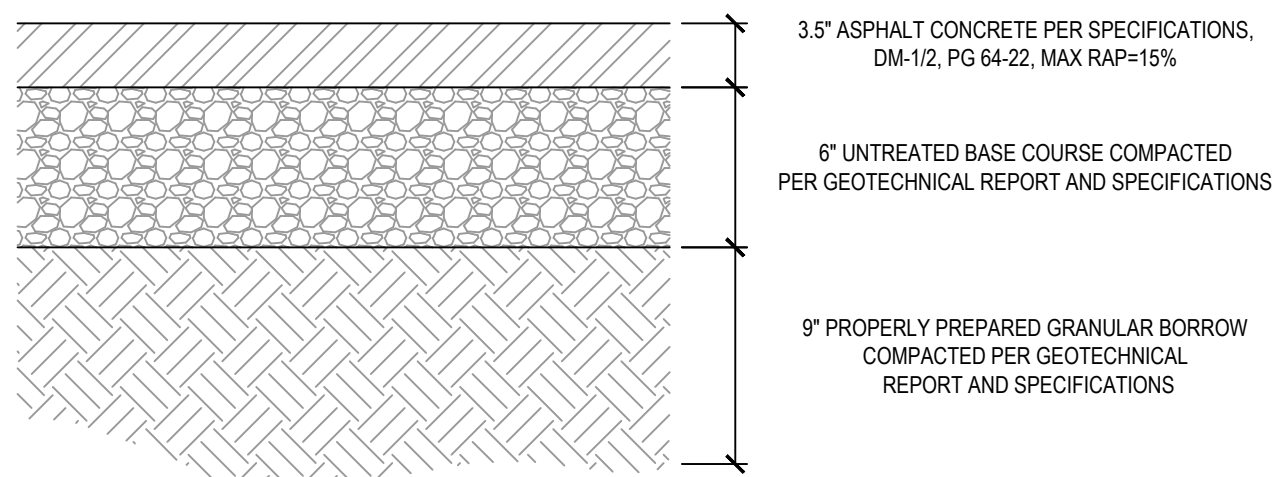
8 SIDEWALK WITH CURB & GUTTER SECTION



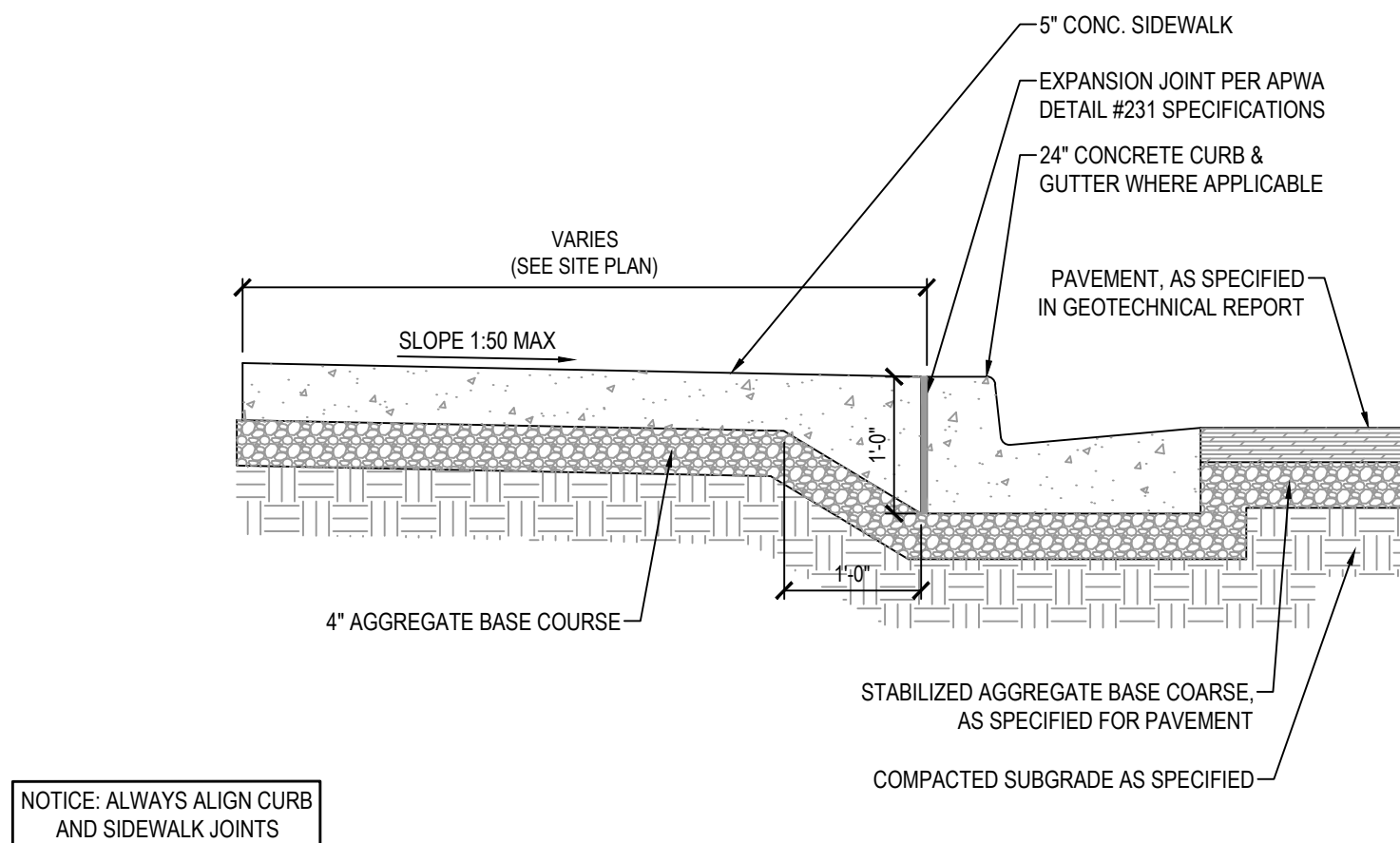
12 TEMPORARY SILT FENCE

ASPHALT NOTES

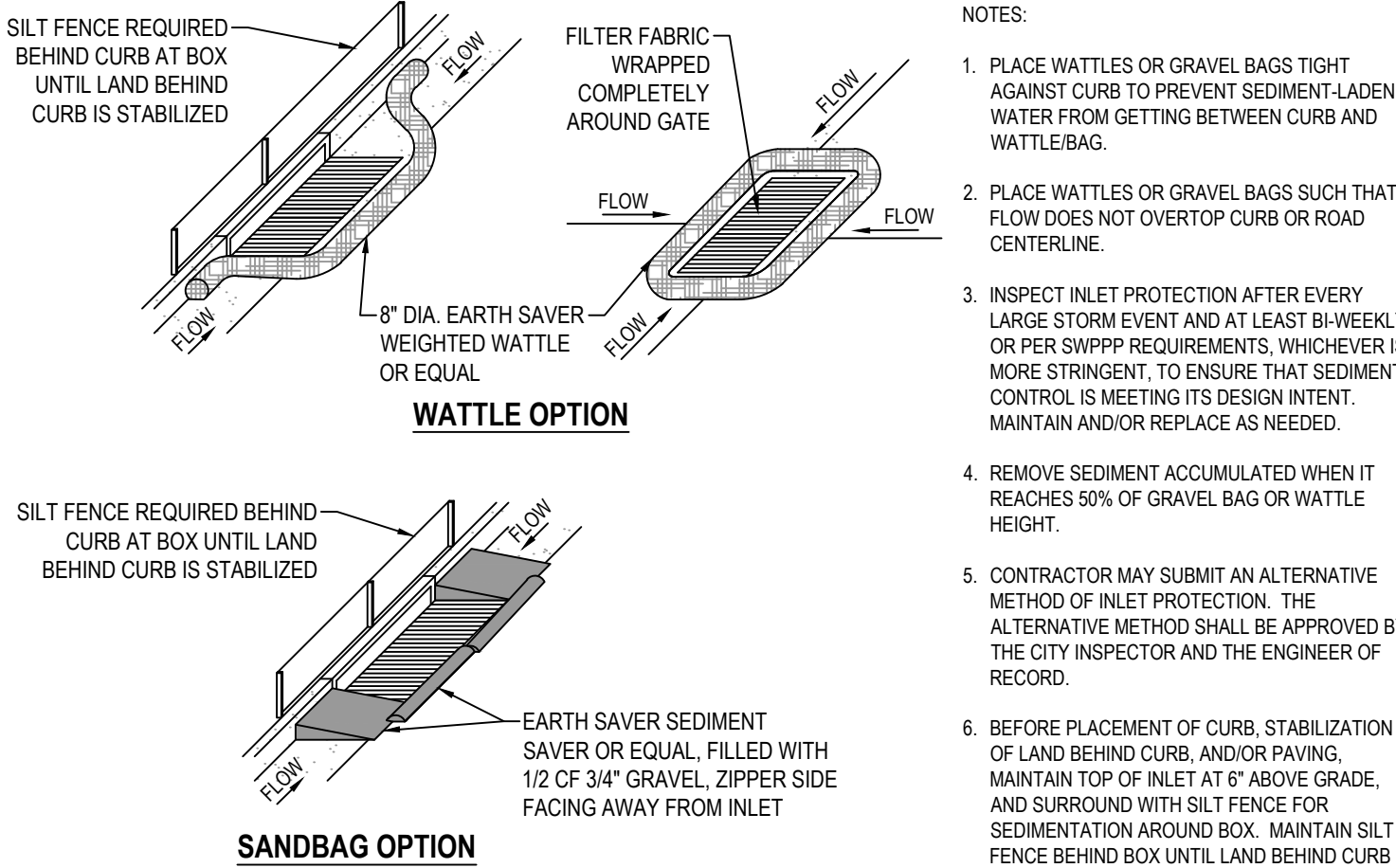
- ALL PAVING TO BE PLACED OVER PROPERLY PREPARED NATURAL SOILS AND/OR PROPERLY PREPARED EXISTING FILL SOILS AND PROPERLY COMPACTED STRUCTURAL FILL WHERE SPECIFIED.
- ALL STRUCTURAL FILL TO BE PLACED AND COMPACTED PER THE PROJECT GEOTECHNICAL REPORT OR TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO T-180 (D-1557) METHOD OF COMPACTION. LIFTS SHOULD BE PLACED PER GEOTECHNICAL RECOMMENDATIONS BUT SHOULD NOT EXCEED 8" IN LOOSE THICKNESS.
- REMOVE SURFACE VEGETATION AND OTHER DELETERIOUS MATERIALS OVER THE ENTIRE SITE IN PREPARATION OF PROPOSED IMPROVEMENTS.



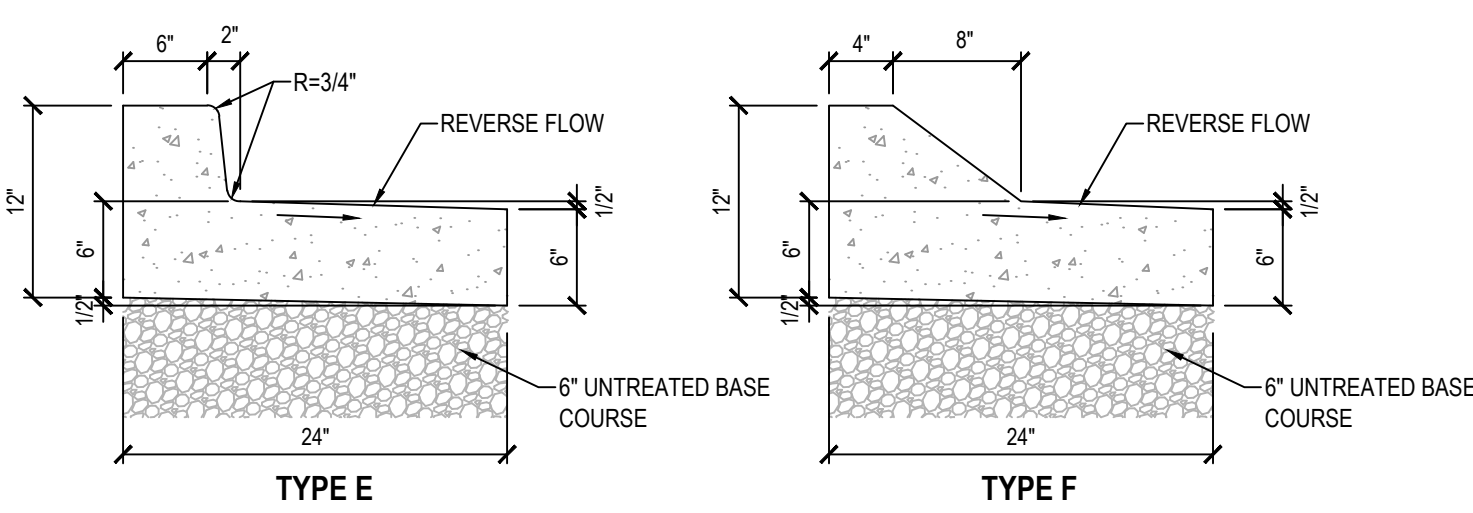
5 HEAVY-DUTY ASPHALT SECTION



9 SIDEWALK WITH CURB & GUTTER SECTION



13 SAG INLET PROTECTION

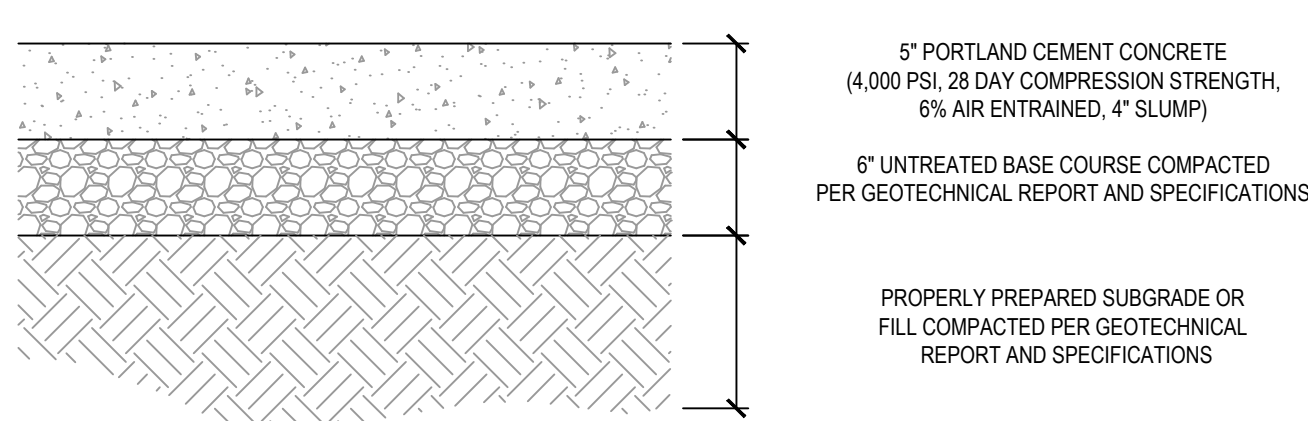


- NOTE:**
- CONSTRUCT PER NOTES AND SPECIFICATIONS ASSOCIATED WITH 2017 APWA STANDARD PLAN NO. 205.2

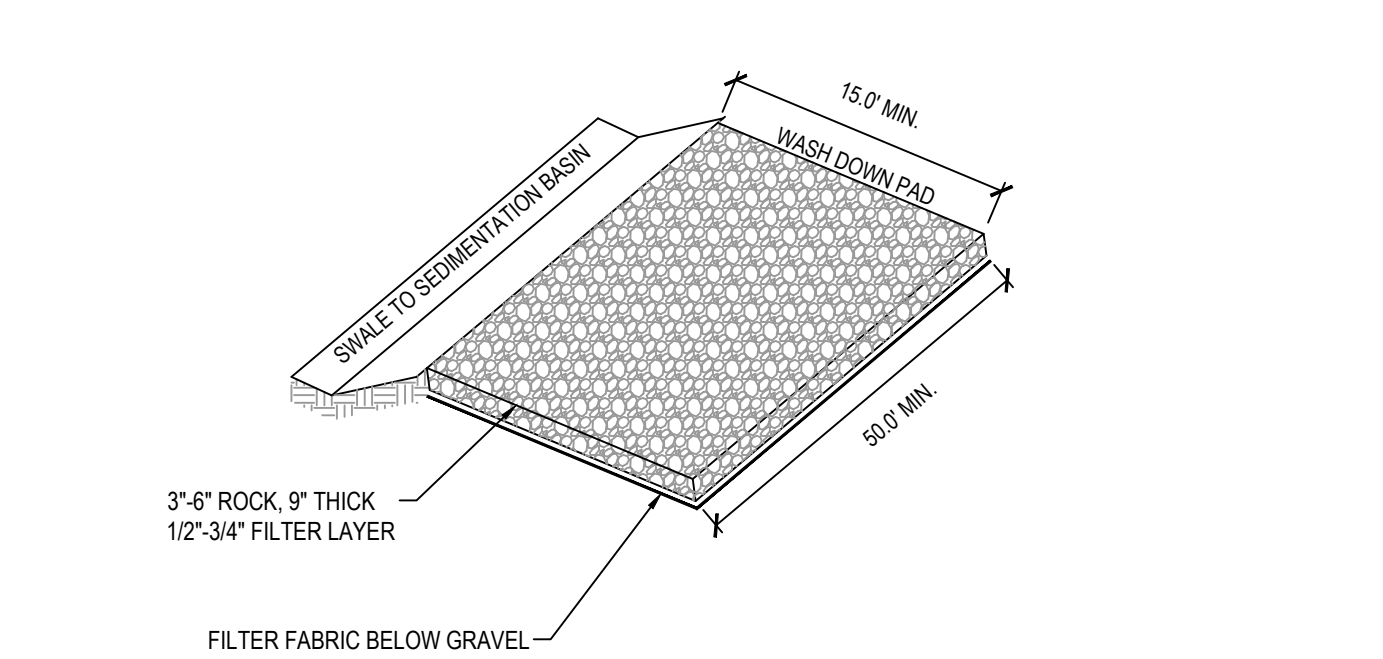
2 24" REVERSE PAN CURB AND GUTTER

CONCRETE NOTES

- ALL PAVING TO BE PLACED OVER PROPERLY PREPARED NATURAL SOILS AND/OR PROPERLY PREPARED EXISTING FILL SOILS AND PROPERLY COMPACTED STRUCTURAL FILL WHERE SPECIFIED.
- ALL STRUCTURAL FILL TO BE PLACED AND COMPACTED PER THE PROJECT GEOTECHNICAL REPORT OR TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO T-180 (D-1557) METHOD OF COMPACTION. LIFTS SHOULD BE PLACED PER GEOTECHNICAL RECOMMENDATIONS BUT SHOULD NOT EXCEED 8" IN LOOSE THICKNESS.
- REMOVE SURFACE VEGETATION AND OTHER DELETERIOUS MATERIALS OVER THE ENTIRE SITE IN PREPARATION OF PROPOSED IMPROVEMENTS.

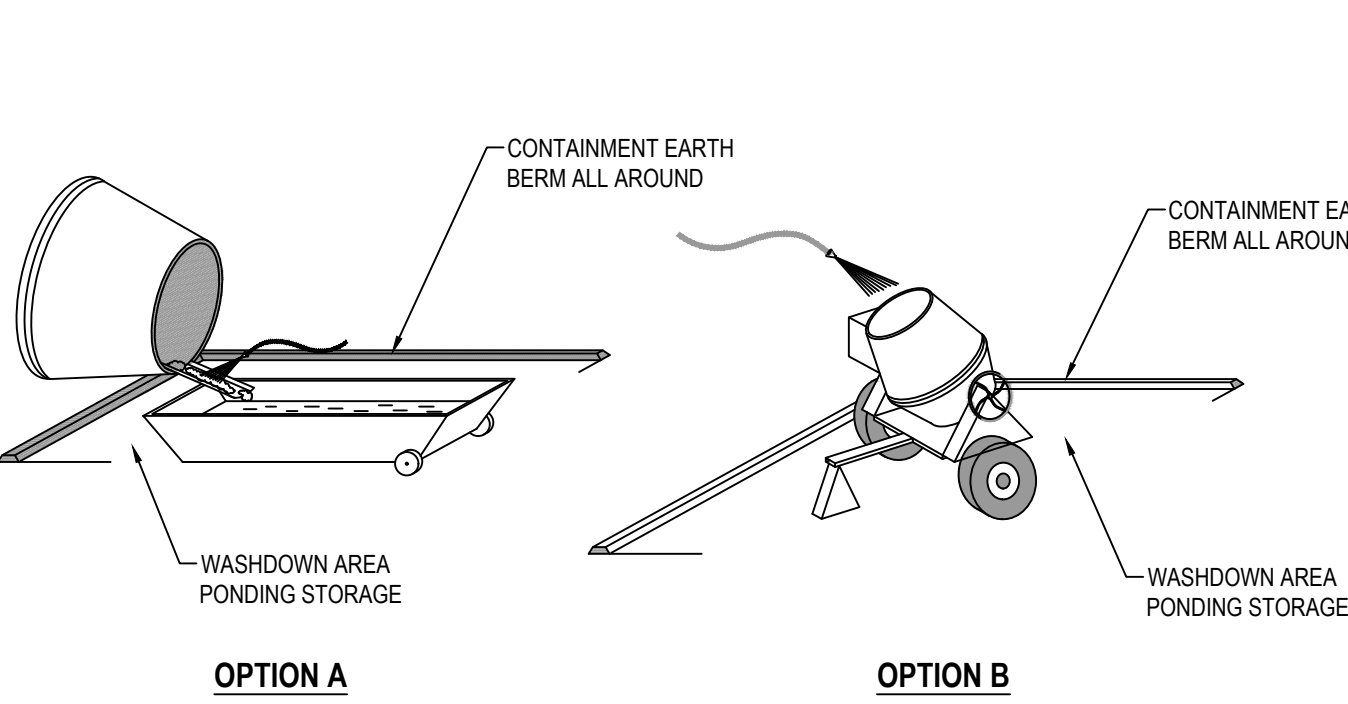


6 CONCRETE PAVEMENT SECTION

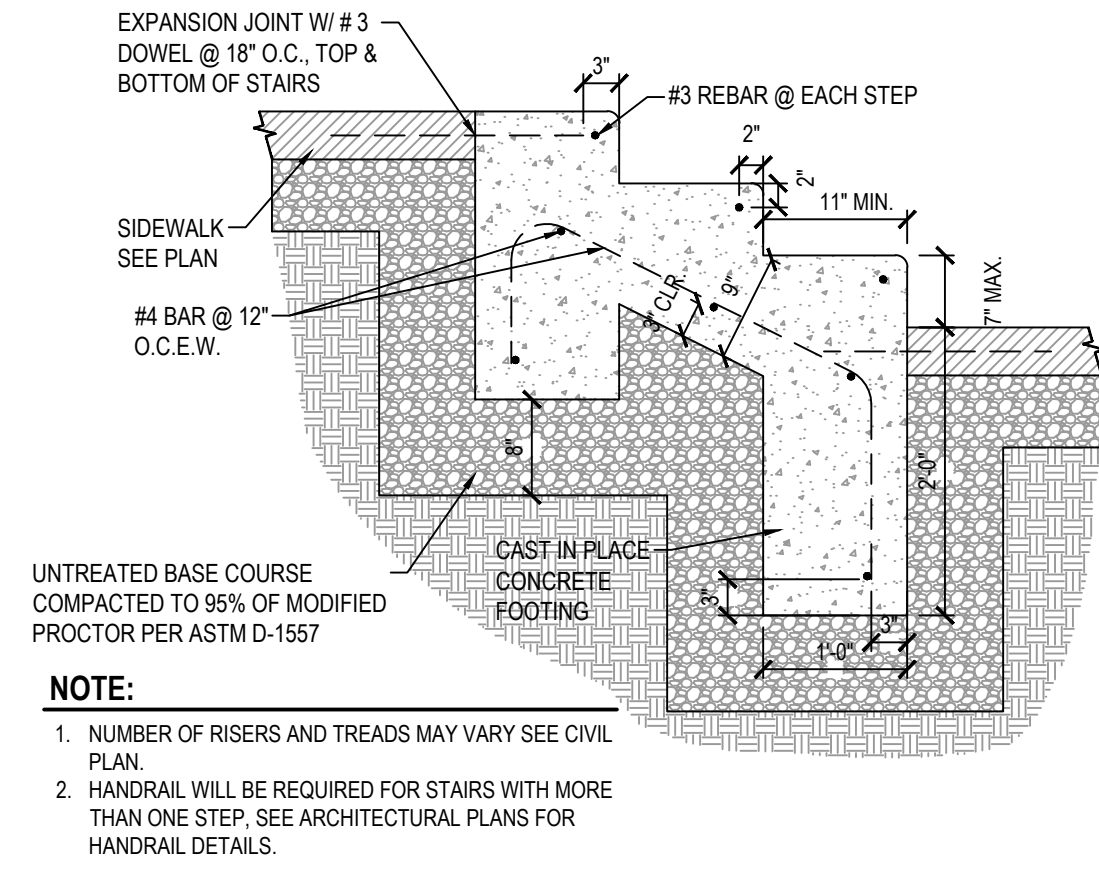


- NOTE:**
- PLACE SIGN ADJACENT TO ENTRANCE * CONSTRUCTION TRAFFIC ONLY - ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT SITE AT THIS LOCATION*

10 STABILIZED CONSTRUCTION ENTRANCE

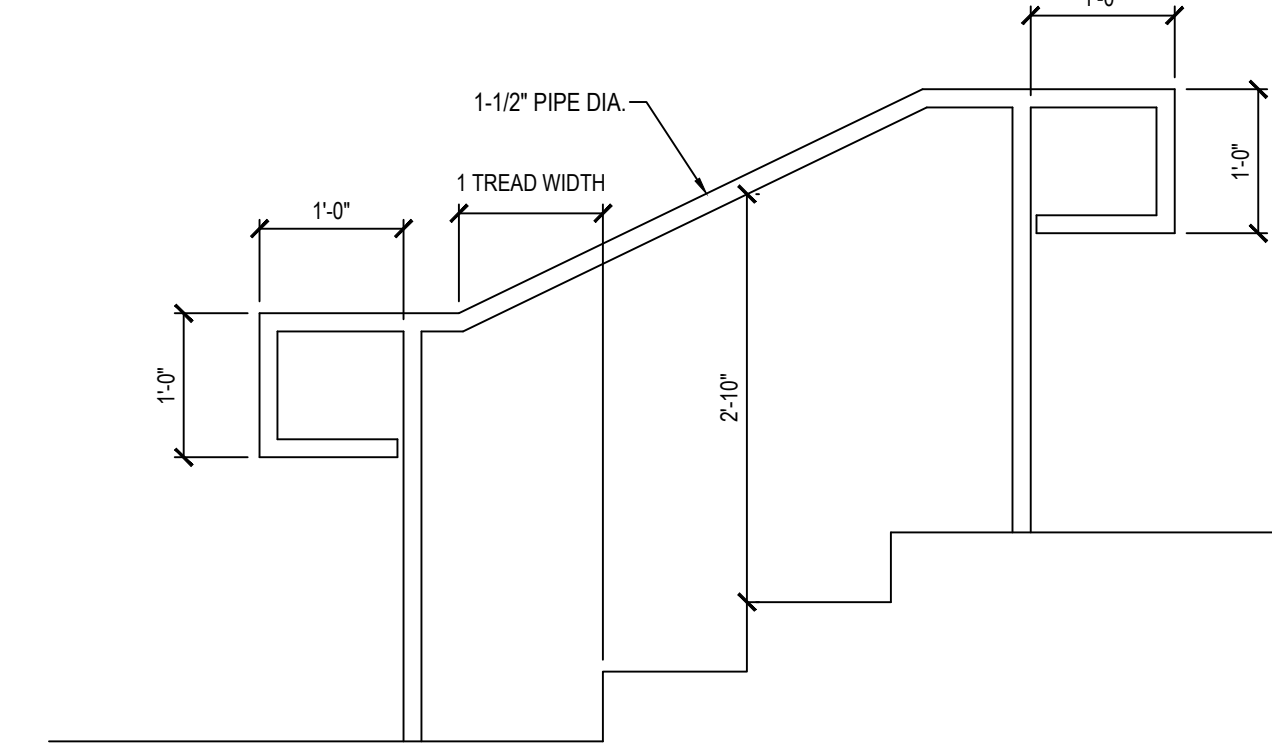


14 CONCRETE WASTE MANAGEMENT

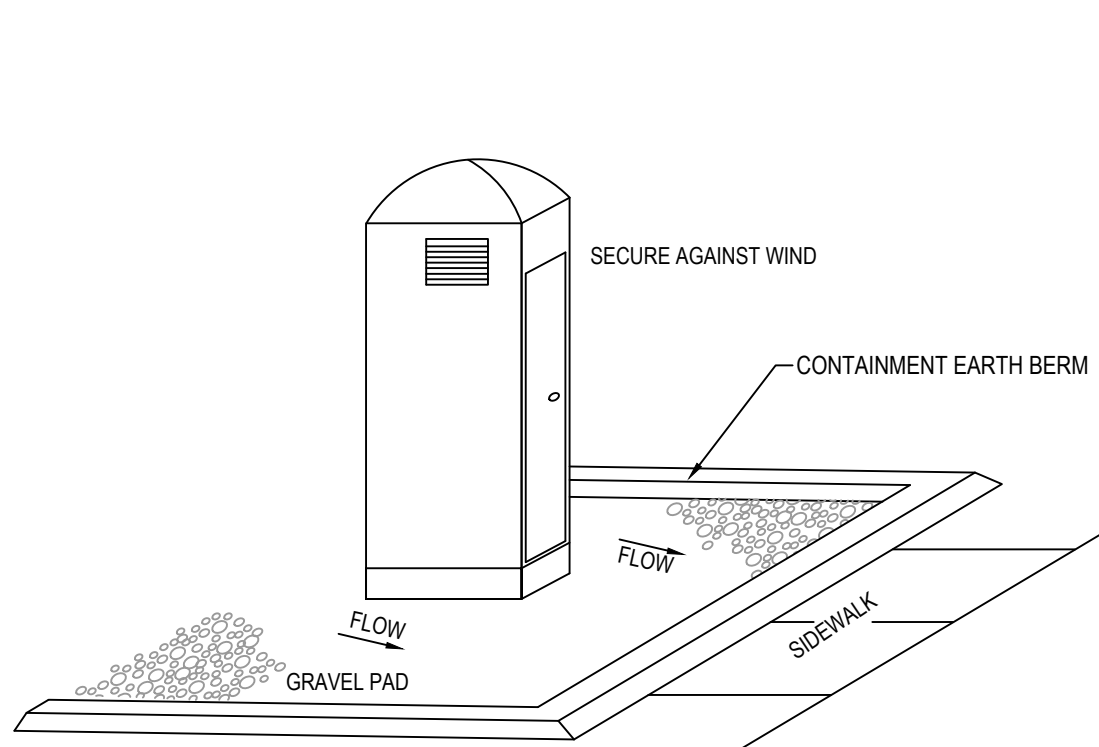


- NOTE:**
- NUMBER OF RISERS AND TREADS MAY VARY SEE CIVIL PLAN.
 - HANDRAIL WILL BE REQUIRED FOR STAIRS WITH MORE THAN ONE STEP. SEE ARCHITECTURAL PLANS FOR HANDRAIL DETAILS.

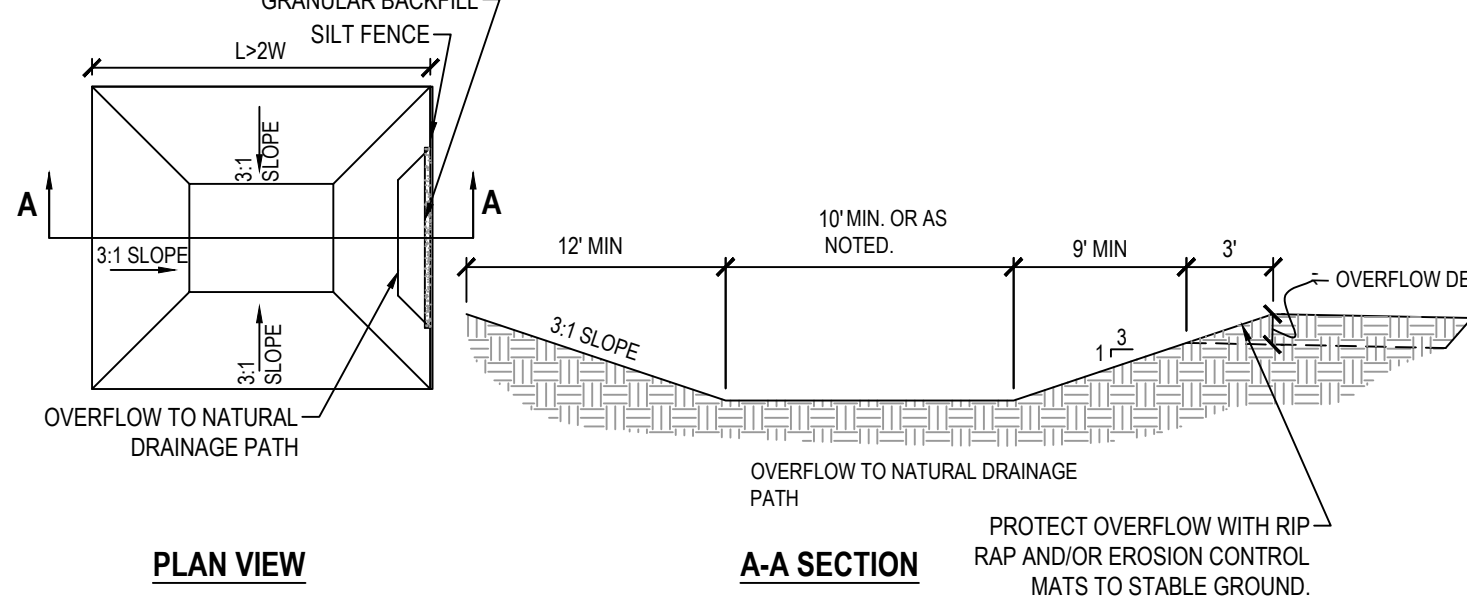
3 STAIR DETAIL



7 TYPICAL HANDRAIL

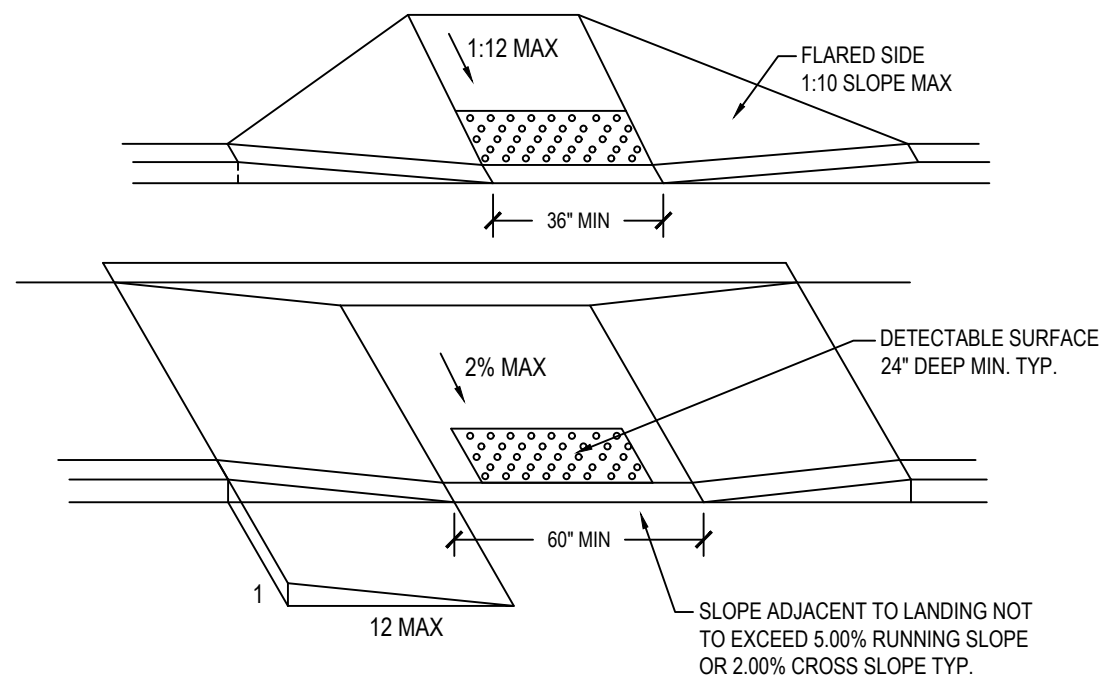


11 PORTABLE TOILET

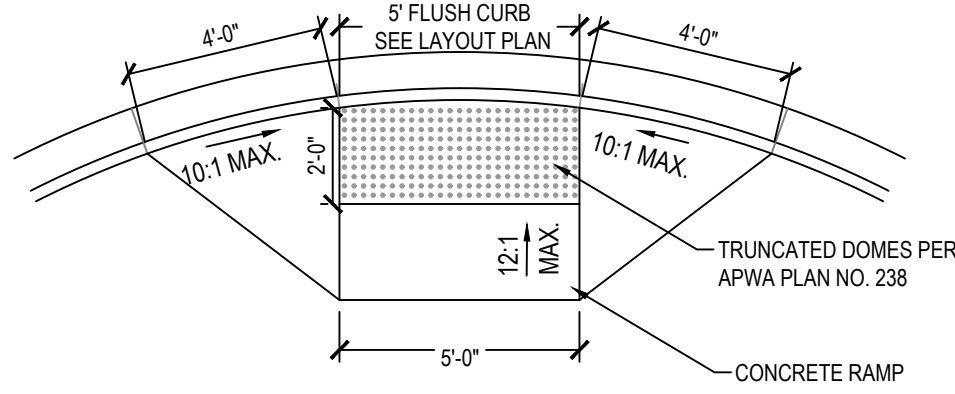


- NOTES:**
- CLEAN OUT BASIN WHEN CAPACITY IS REDUCED BY HALF.
 - SIZE BASIN PER MINIMUM DIMENSIONS SHOWN, AND PER DIMENSIONS IN PLAN, WHICHEVER IS GREATER.
 - SAFETY FENCING IS REQUIRED FOR DEPTH GREATER THAN THREE FEET.
 - WHERE 2:1 RATIO OF LENGTH TO WIDTH IS NOT AVAILABLE, CONSTRUCT BERM(S) FOR BAFFLE(S) BETWEEN INLET AND OUTLET TO ACHIEVE 2:1 FLOW LENGTH RATIO.
 - WHERE TEMPORARY SEDIMENTATION WILL BE CONVERTED TO A PERMANENT DETENTION POND, PROTECT OUTLET PER DTL, L, TEMPORARY BASIN OUTLET PROTECTION.

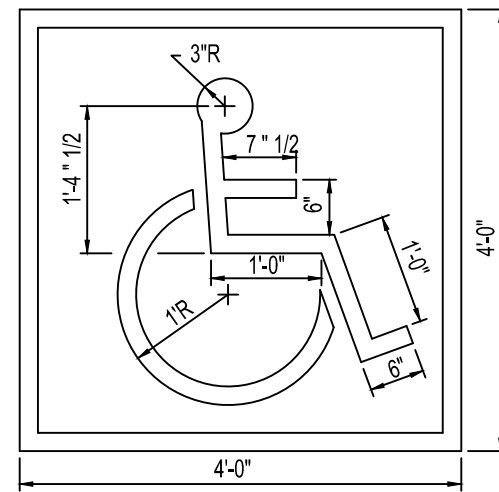
15 TEMPORARY WASHDOWN SEDIMENTATION BASIN



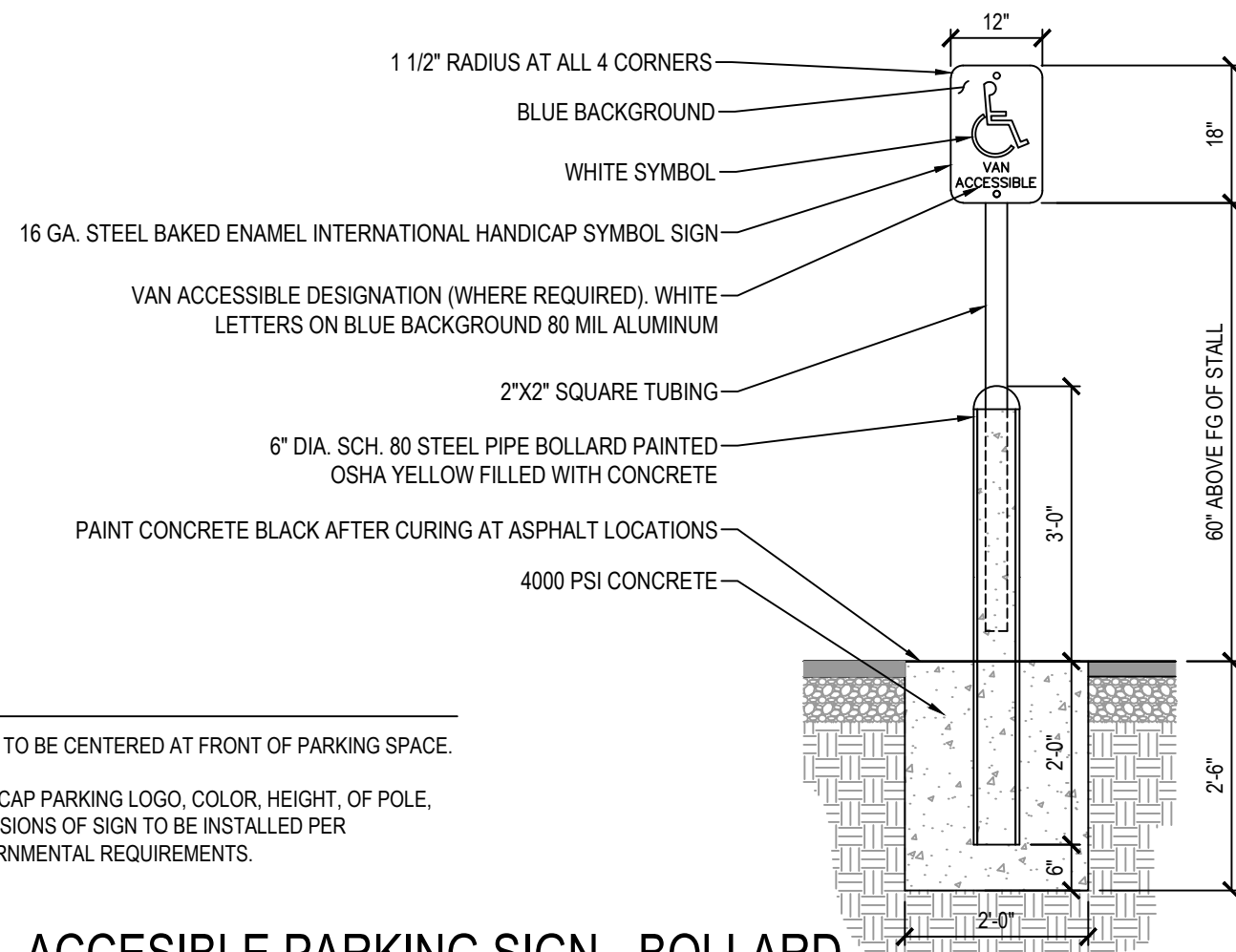
NOTE:
SEE ALSO APWA PLAN No. 236



NOTE:
1. TRUNCATED DOME PANELS SHOULD CONTRAST IN COLOR FROM SIDEWALK.
2. AT NON PERPENDICULAR ASSEMBLY, TRIM PANEL TO MATCH SIDEWALK GEOMETRIES.

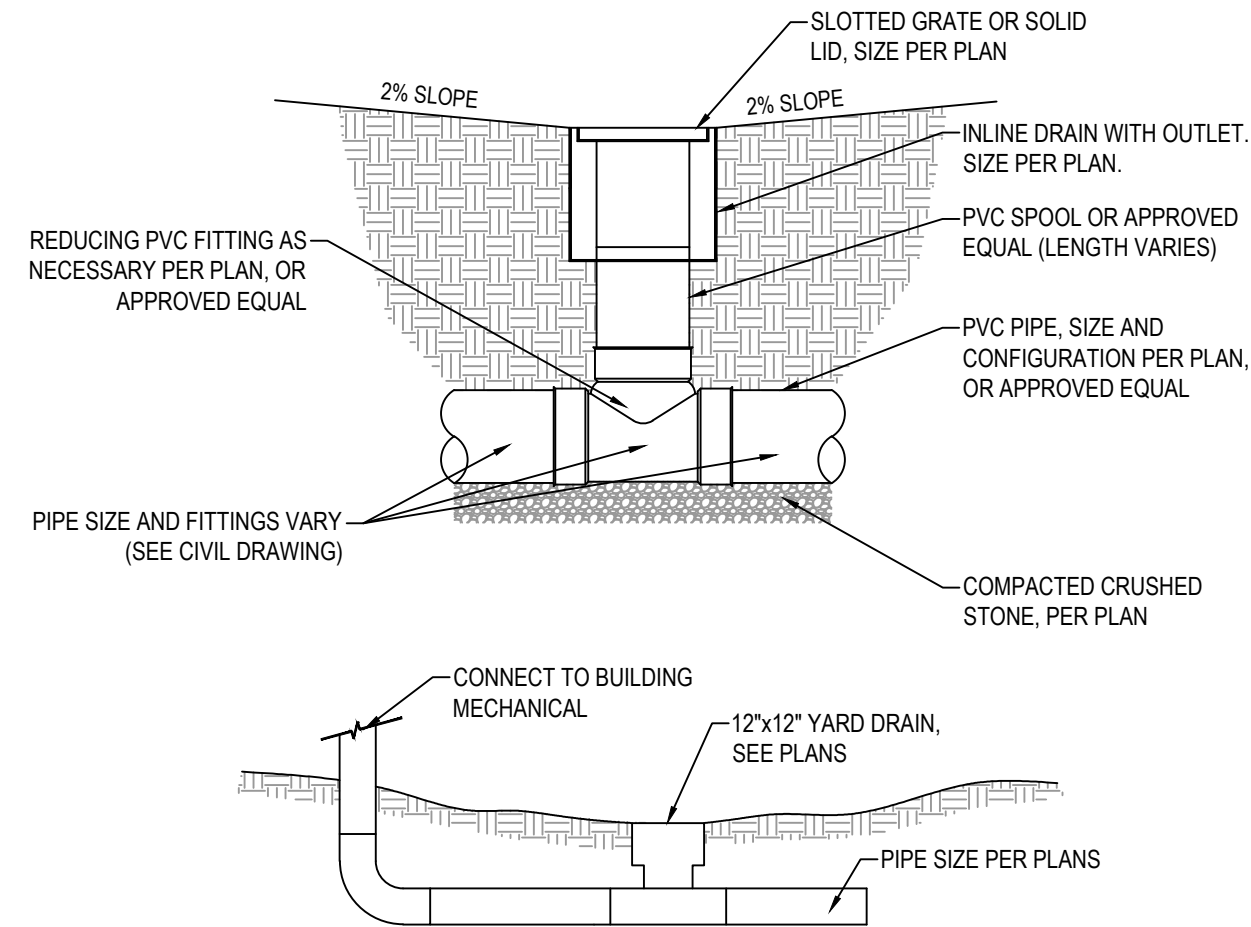


NOTES:
1. INTERNATIONAL PICTOGRAPH SYMBOL WHITE FED. STD. 17875.
2. 4" BORDER-WHITE FED. STD. 17875.
3. BACKGROUND-BLUE FED. STD. 15180.

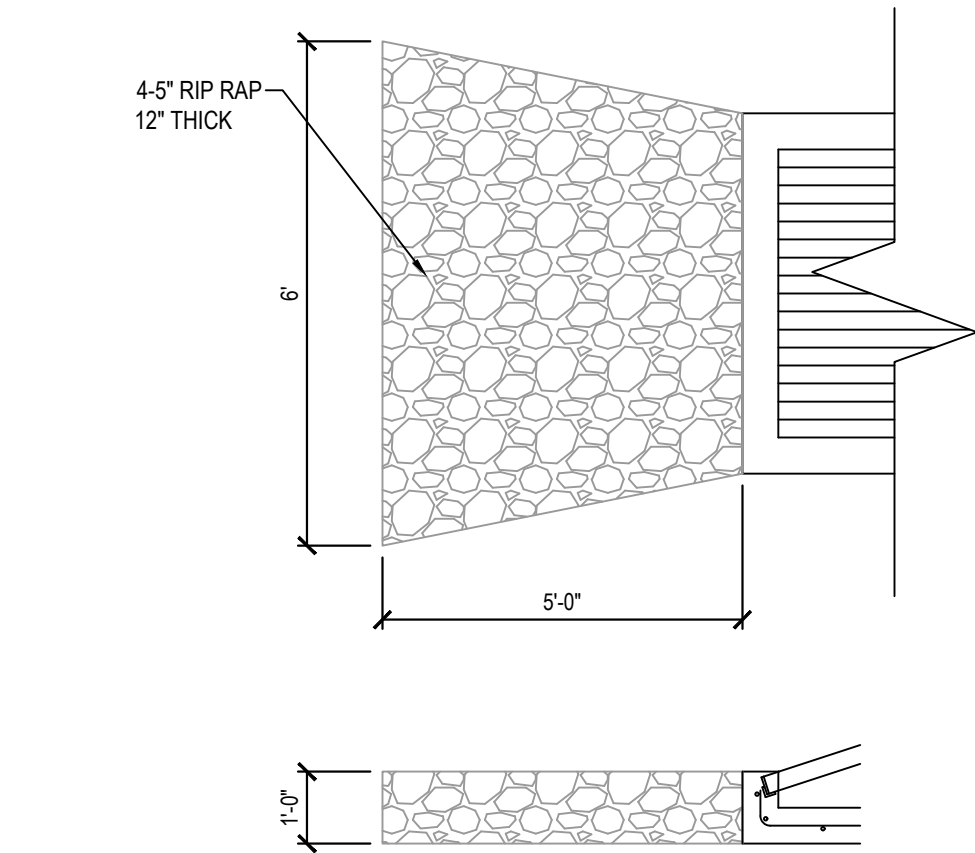


NOTES:
1. SIGNS TO BE CENTERED AT FRONT OF PARKING SPACE.
2. HANDICAP PARKING LOGO, COLOR, HEIGHT, OF POLE, DIMENSIONS OF SIGN TO BE INSTALLED PER GOVERNMENTAL REQUIREMENTS.

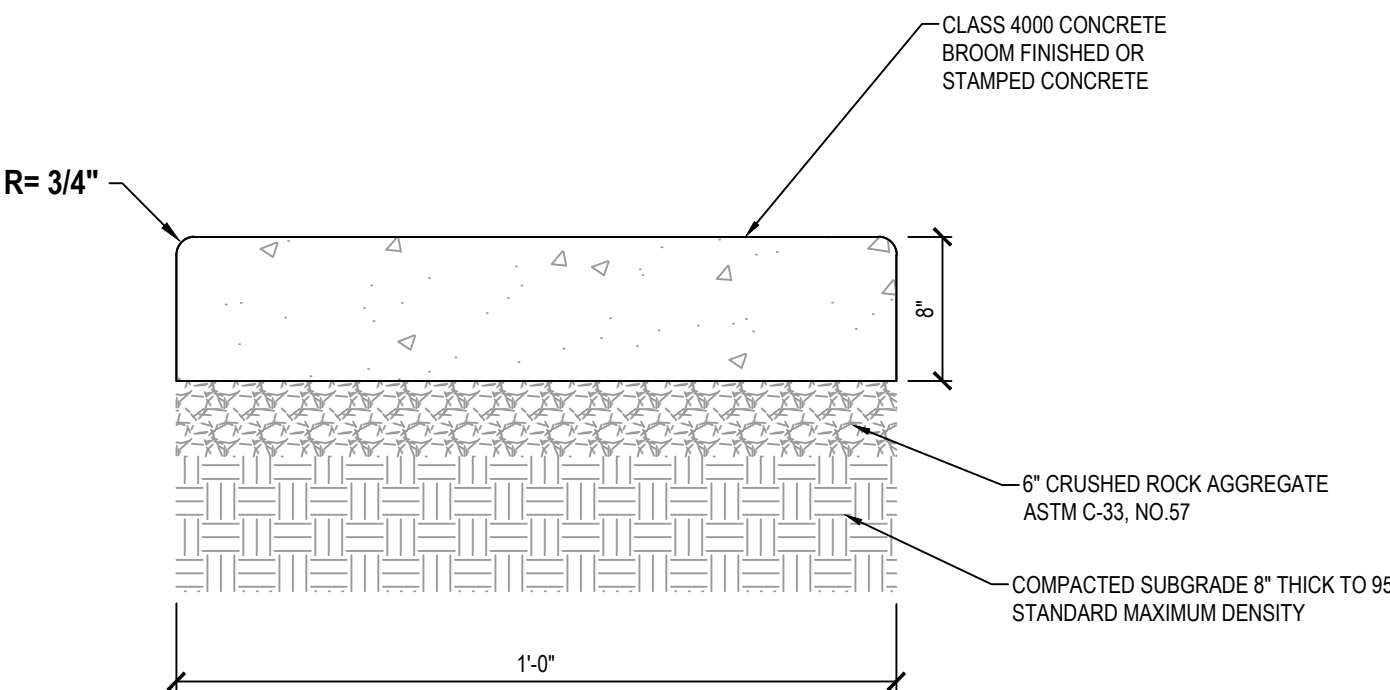
1 TYPICAL ACCESSIBLE RAMP



5 YARD DRAIN & ROOF DRAIN CONNECTION



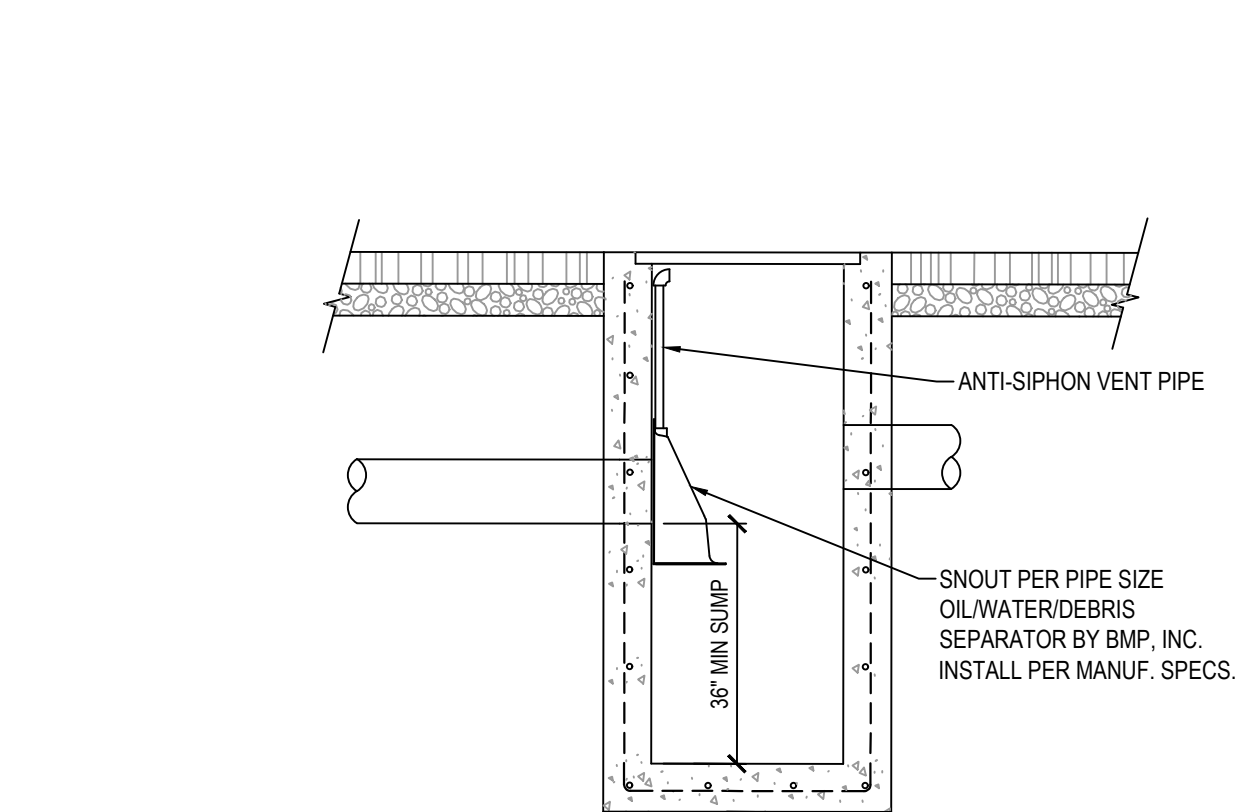
9 RIP RAP DETAIL



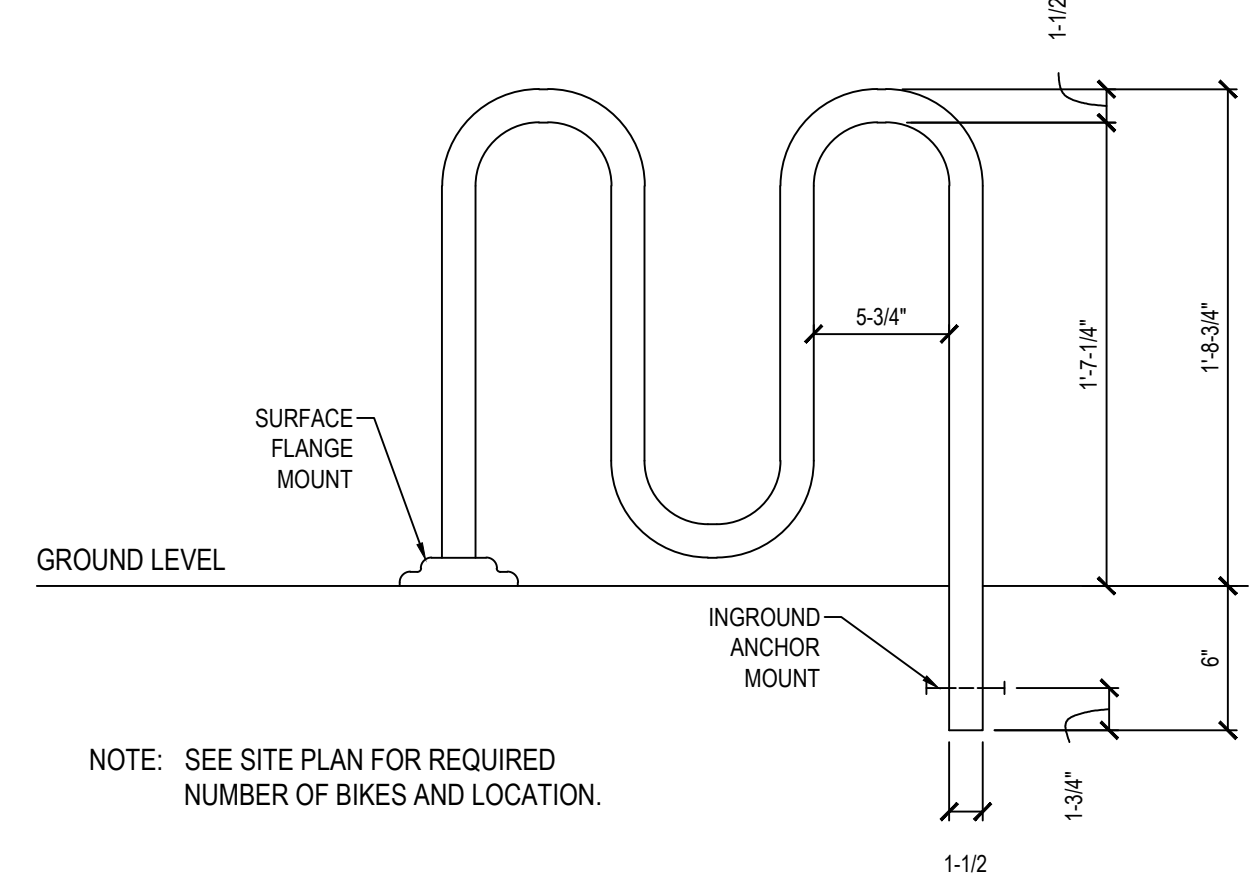
NOTES:
1. PROVIDE EXPANSION JOINT AT 50' MAX. O.C.
2. PROVIDE 2" SCORE AT 8' O.C.

13 TYPICAL 12" CONCRETE RIBBON

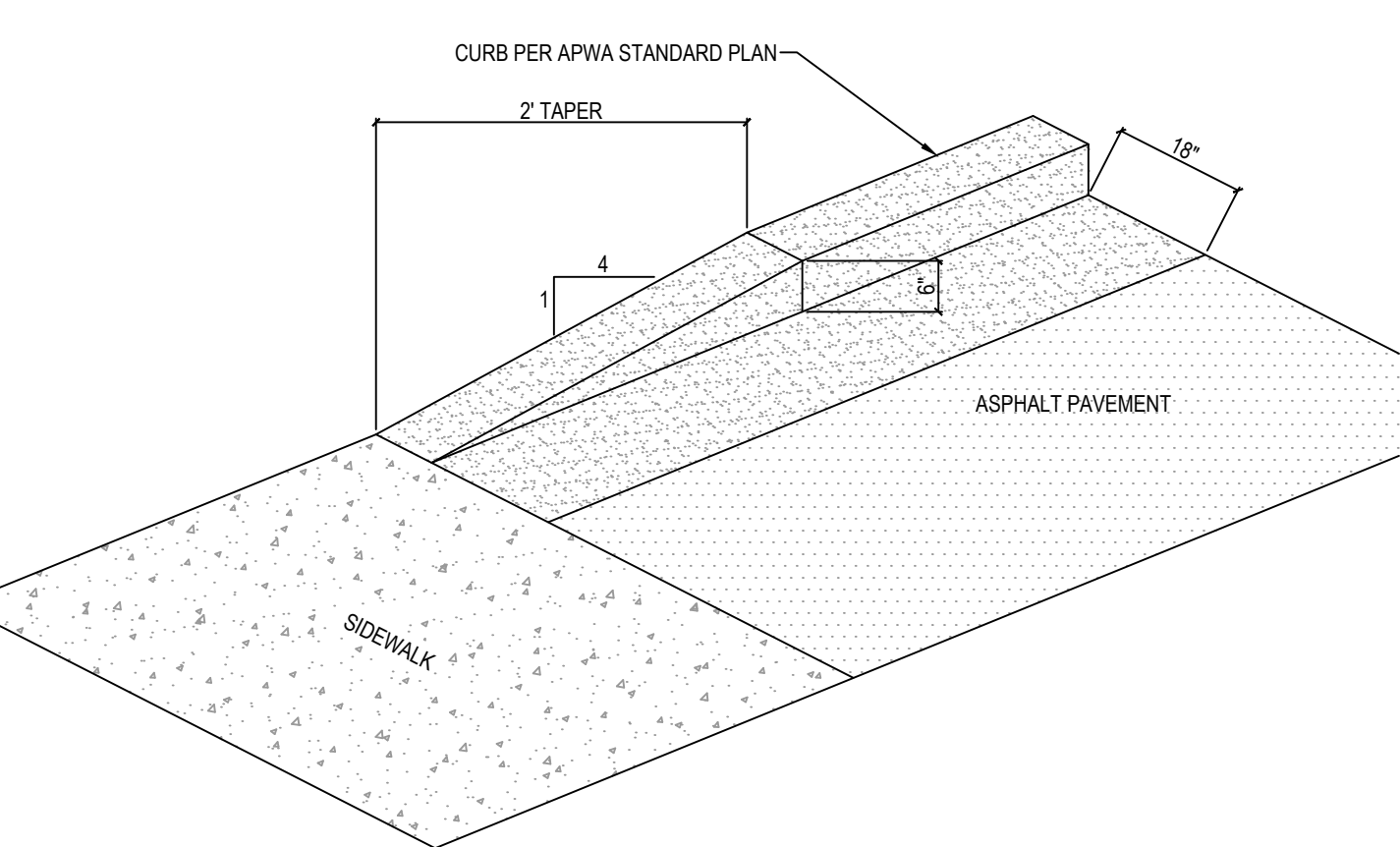
2 HANDICAP ACCCESS RAMP



6 SNOUT DEBRIS SEPARATOR

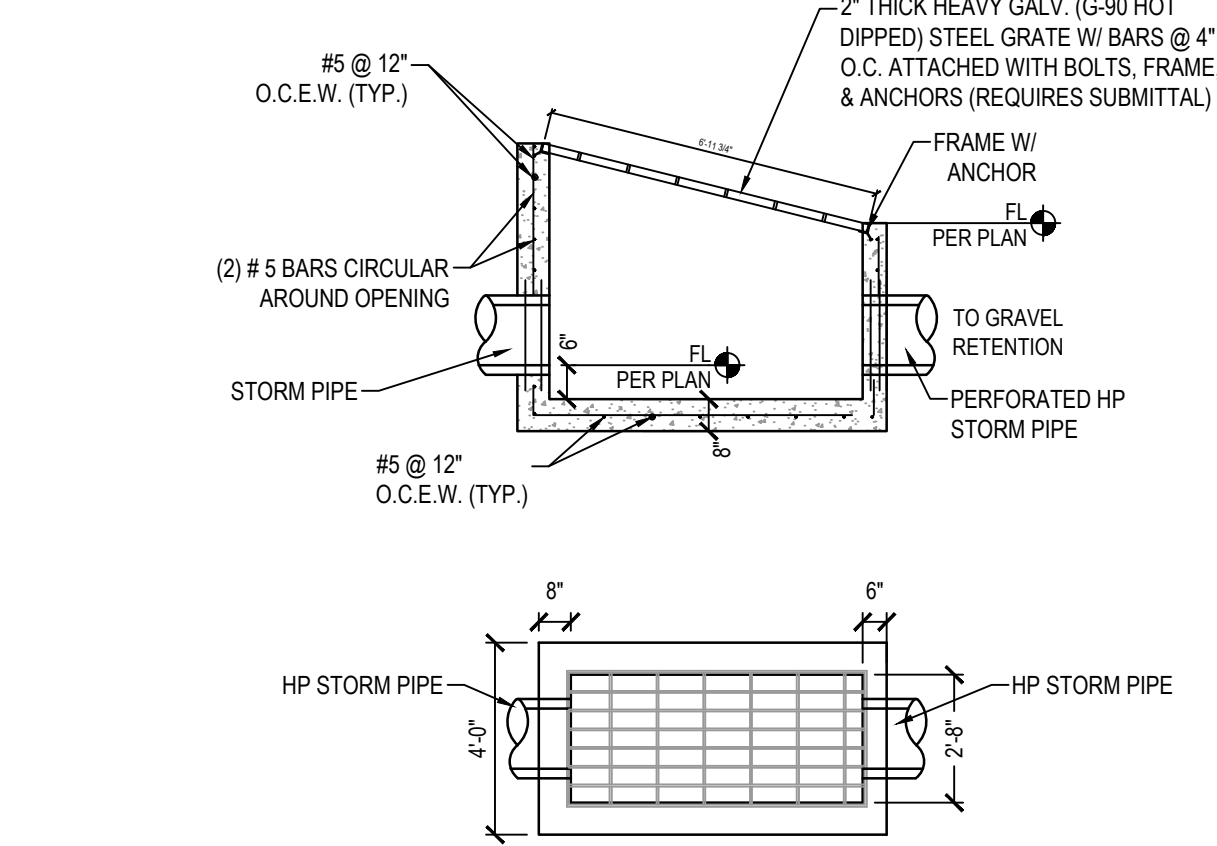


10 TYPICAL BIKE RACK DETAIL

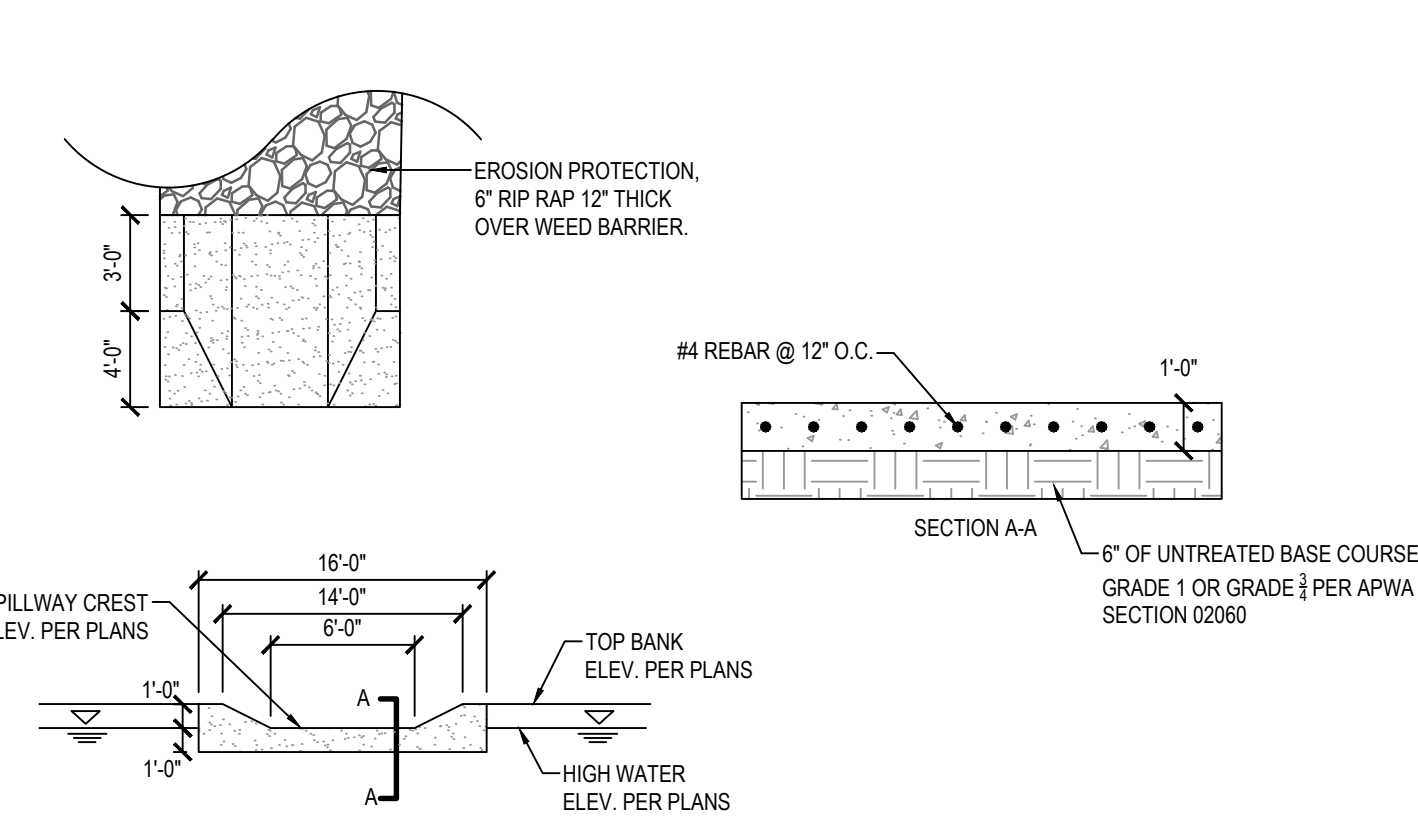


14 CURB TAPERED END

3 STALL PAVEMENT MARKING



7 GRAVEL SUMP SLOPED OUTLET STRUCTURE

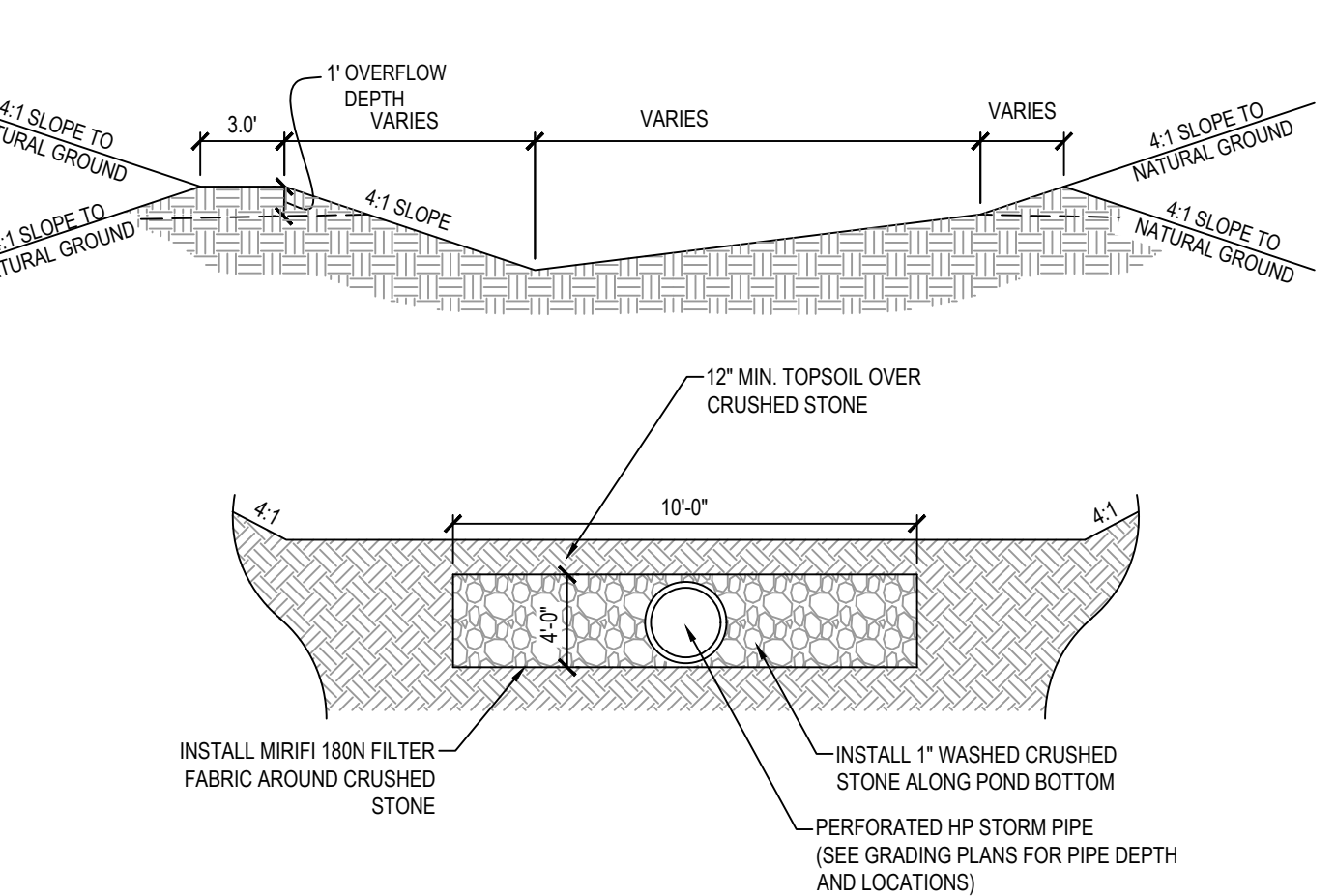


11 CONCRETE SPILLWAY

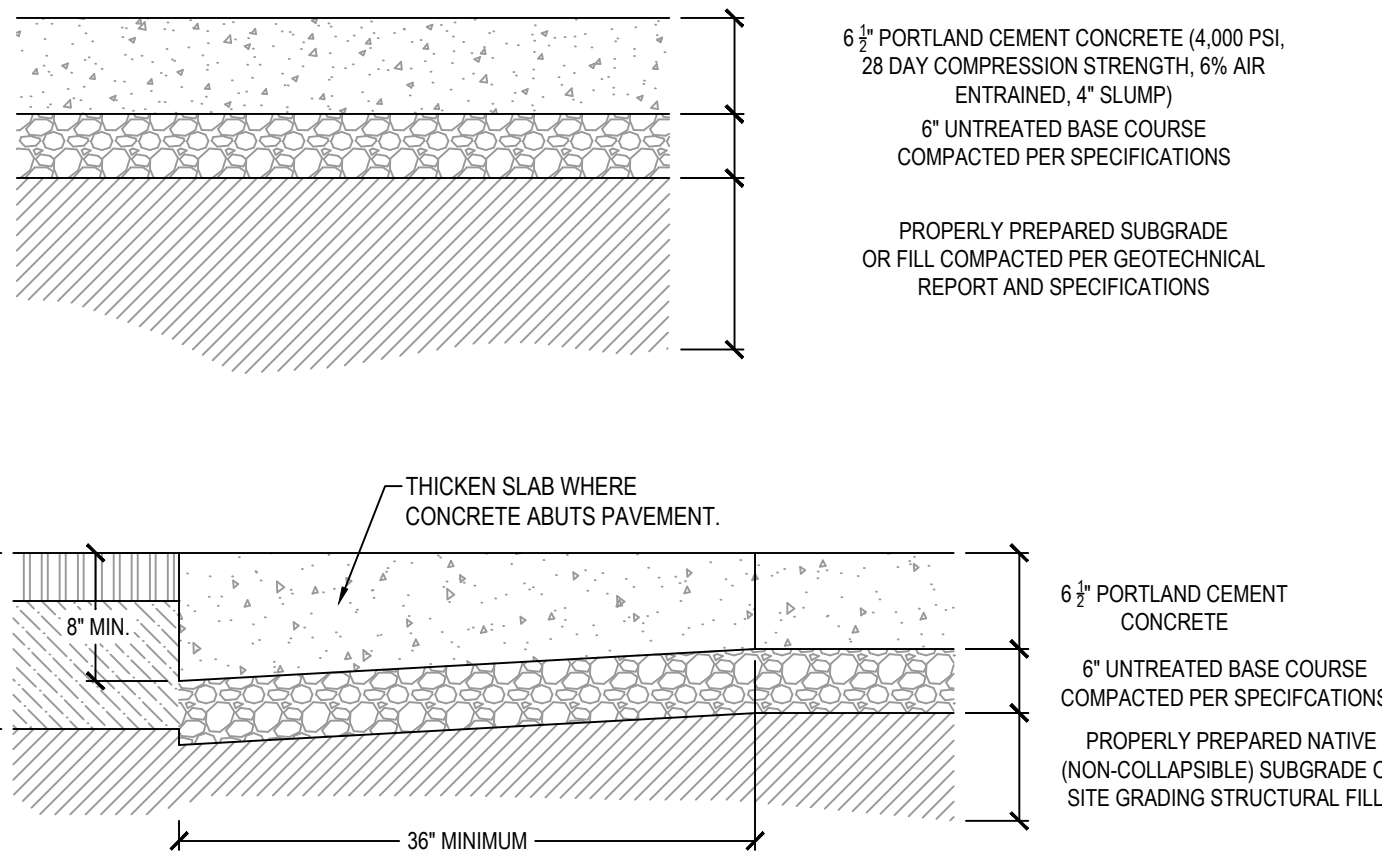


15 NOT USED

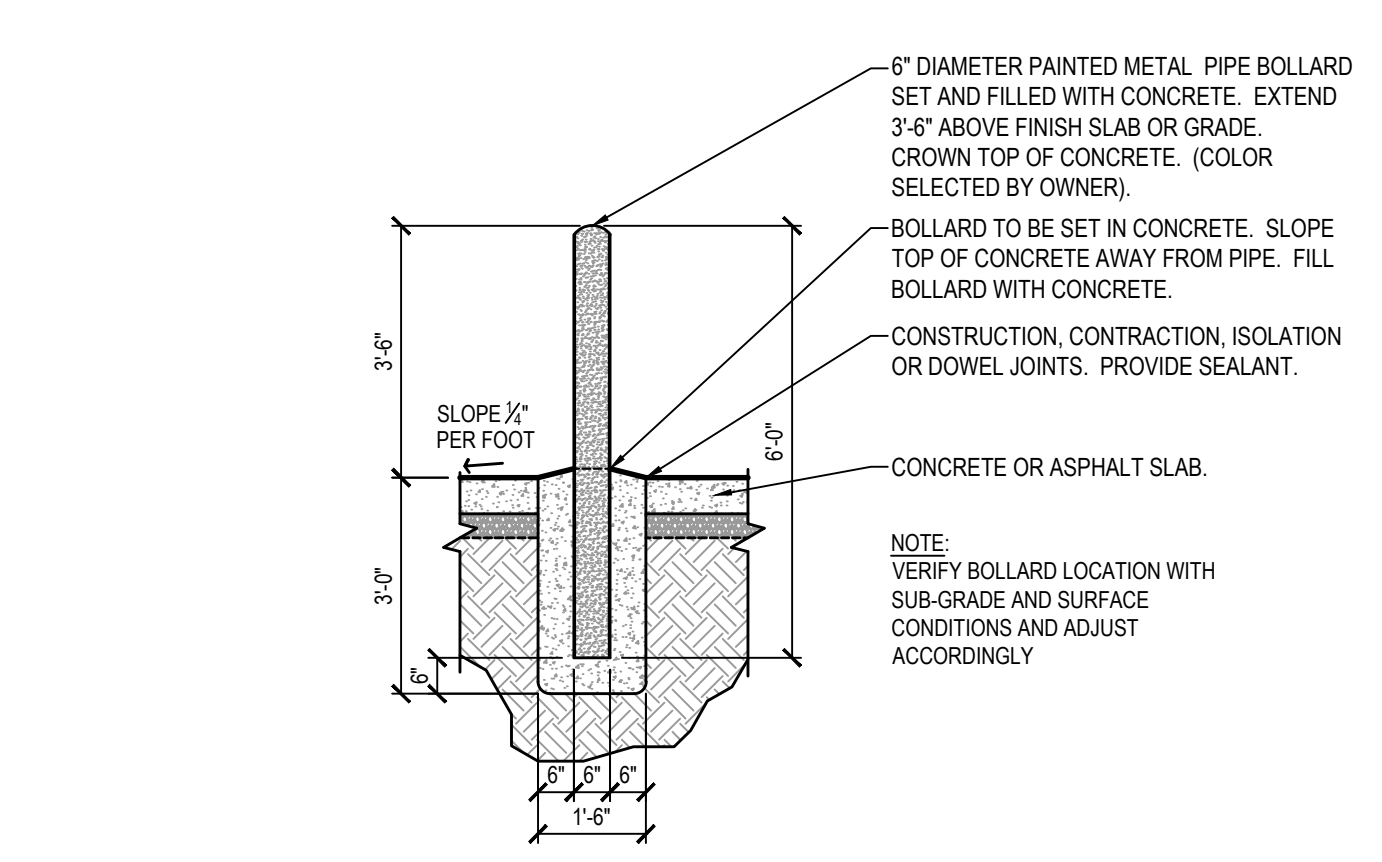
4 ACCESIBLE PARKING SIGN - BOLLARD



8 RETENTION BASIN & GRAVEL CROSS SECTION



12 DUMPSTER PAD / APRON SECTION



16 BOLLARD DETAIL

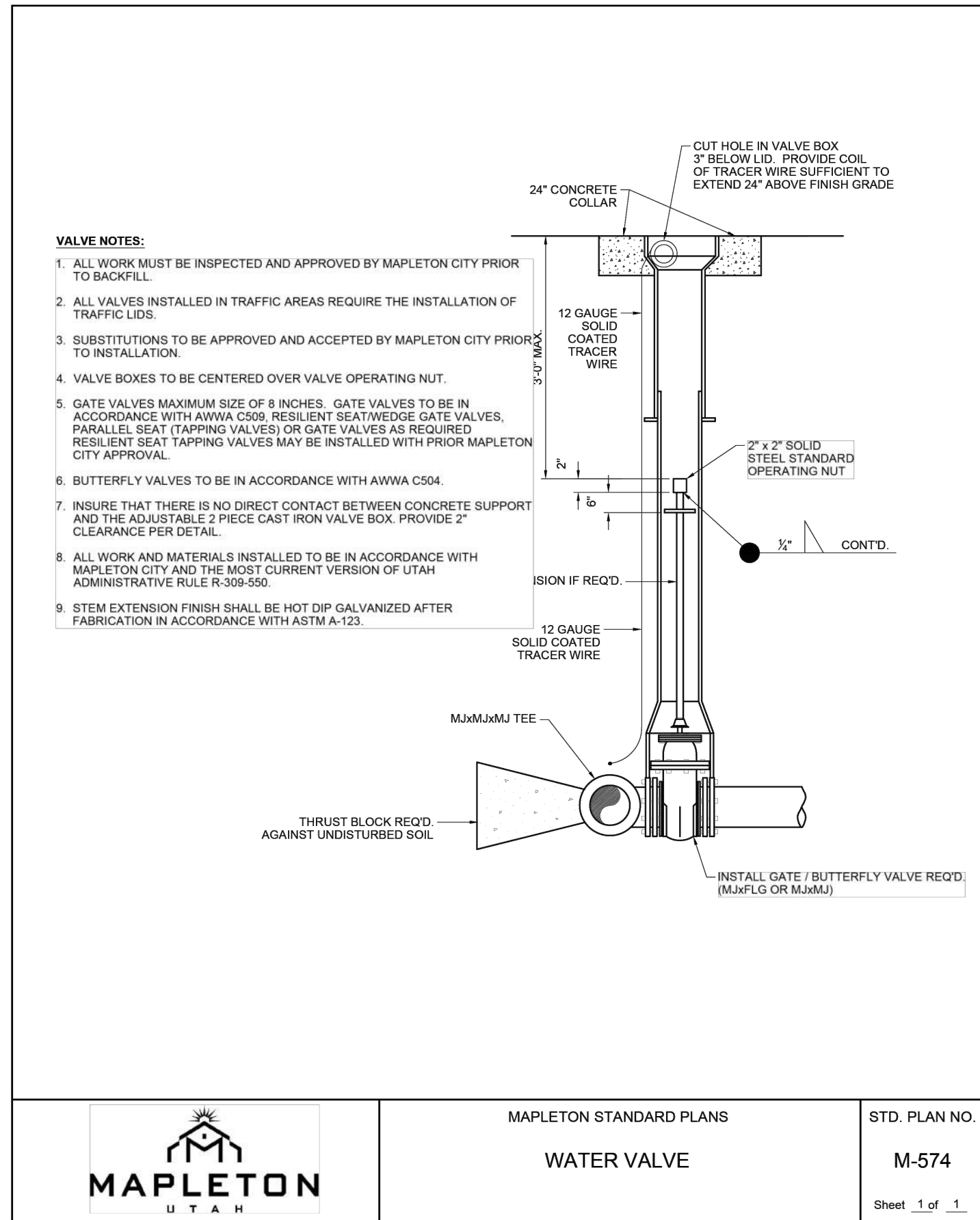
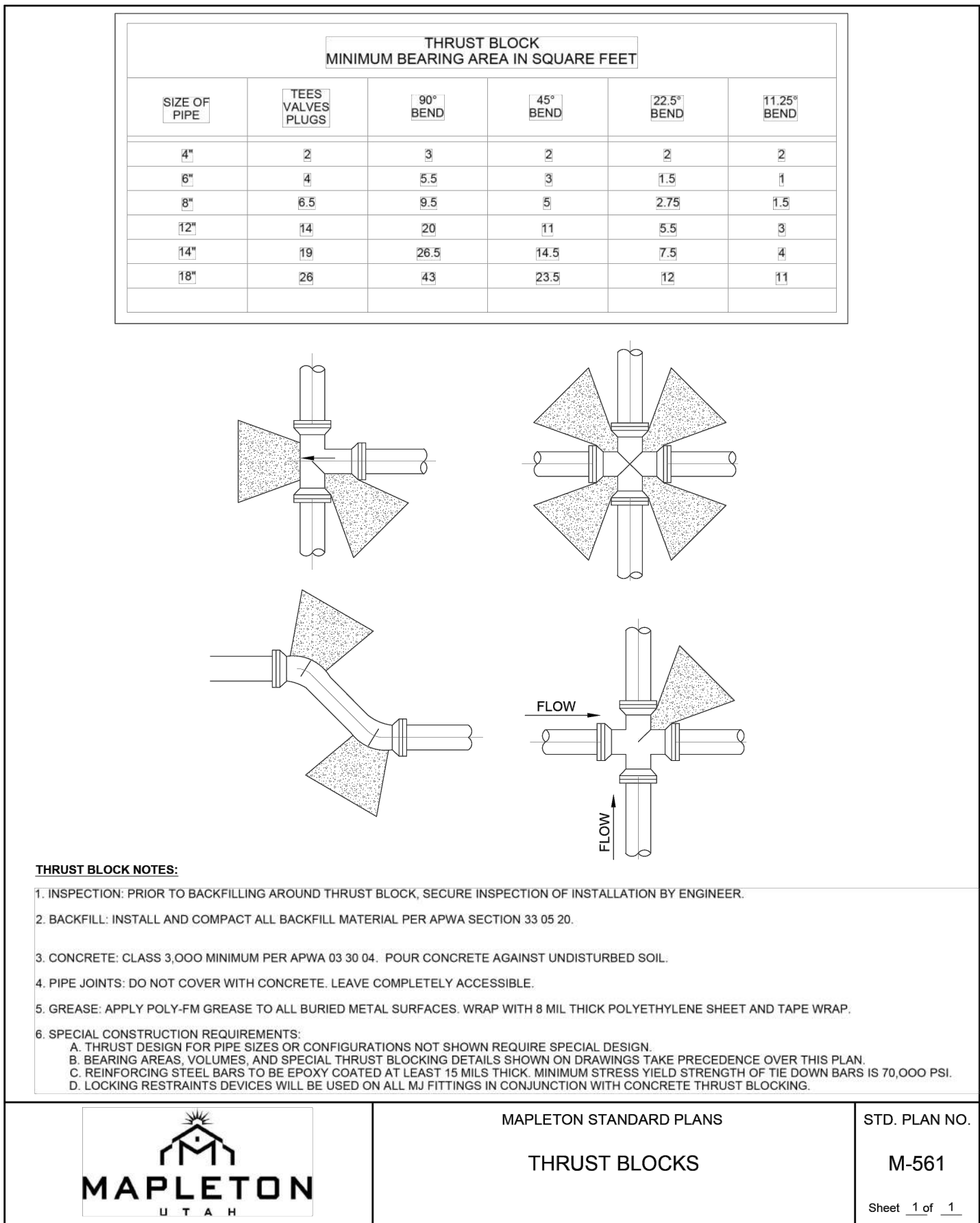
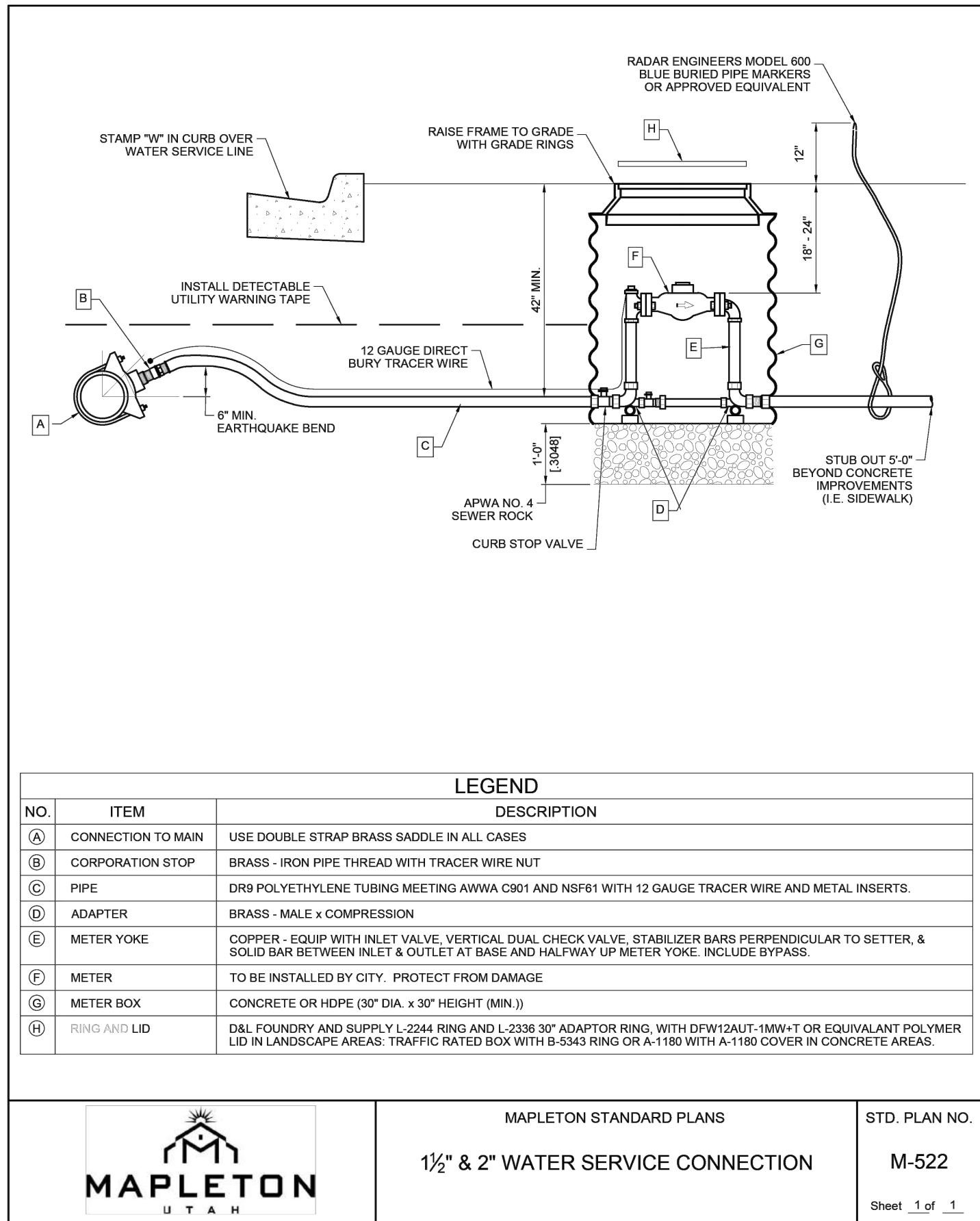
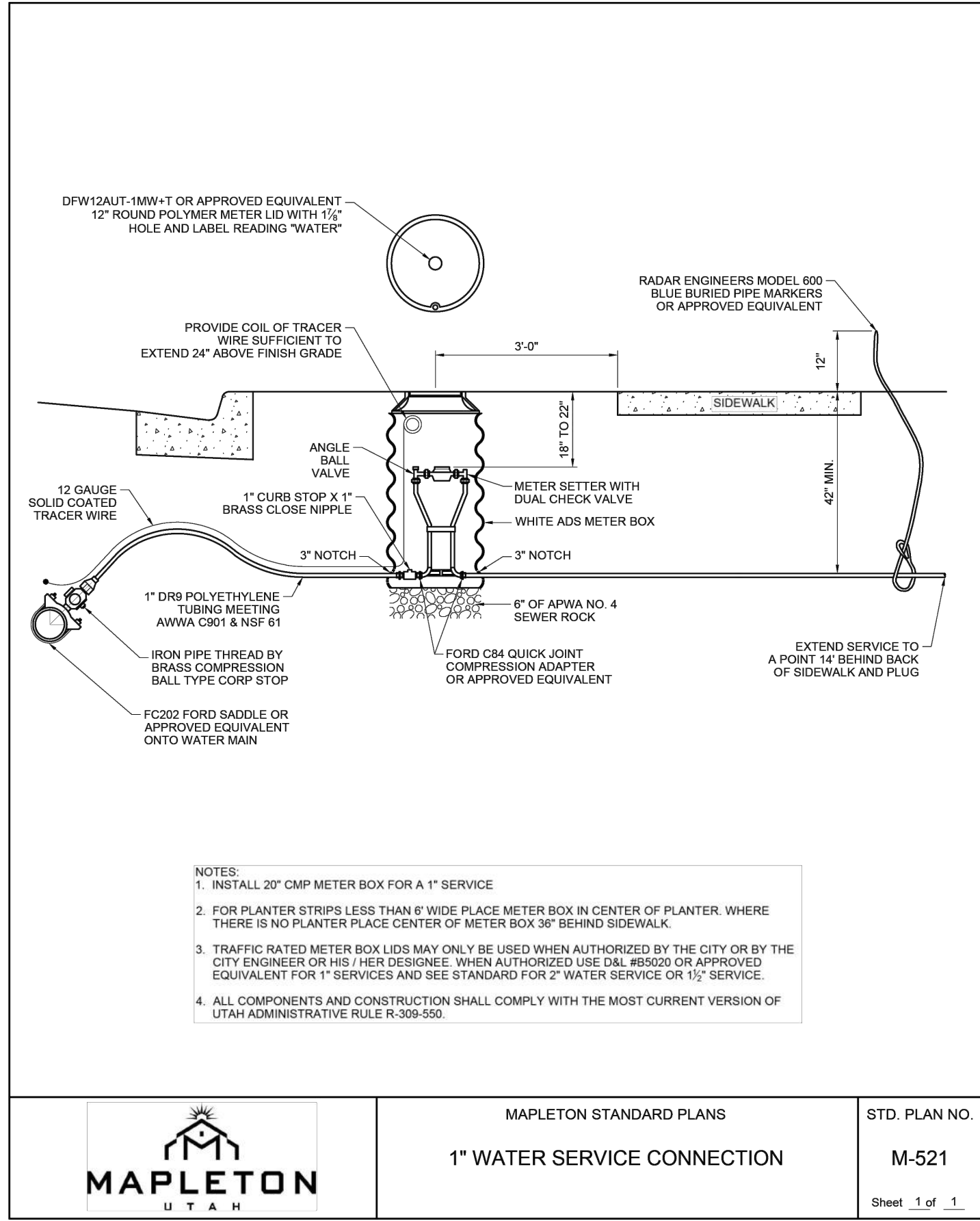
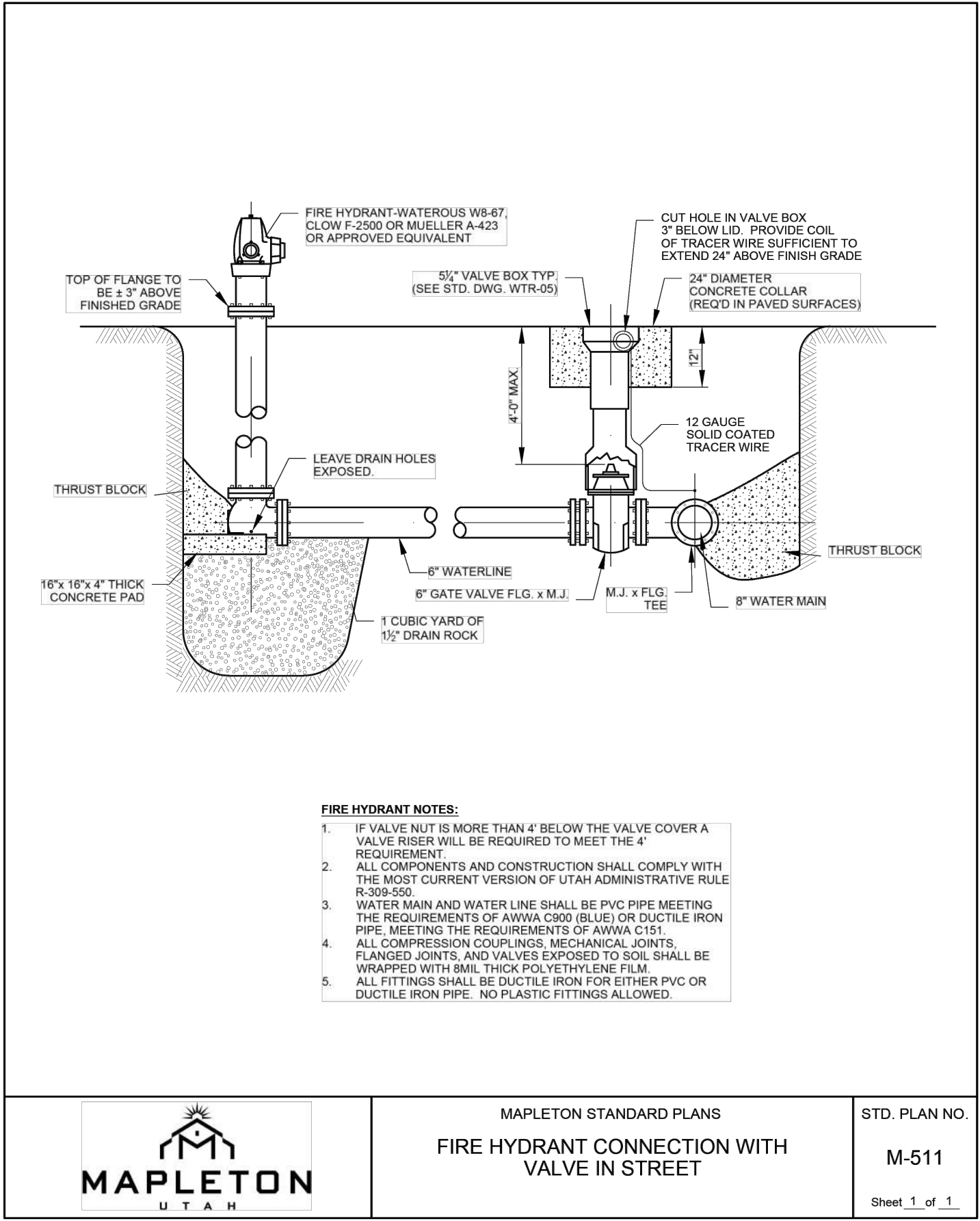
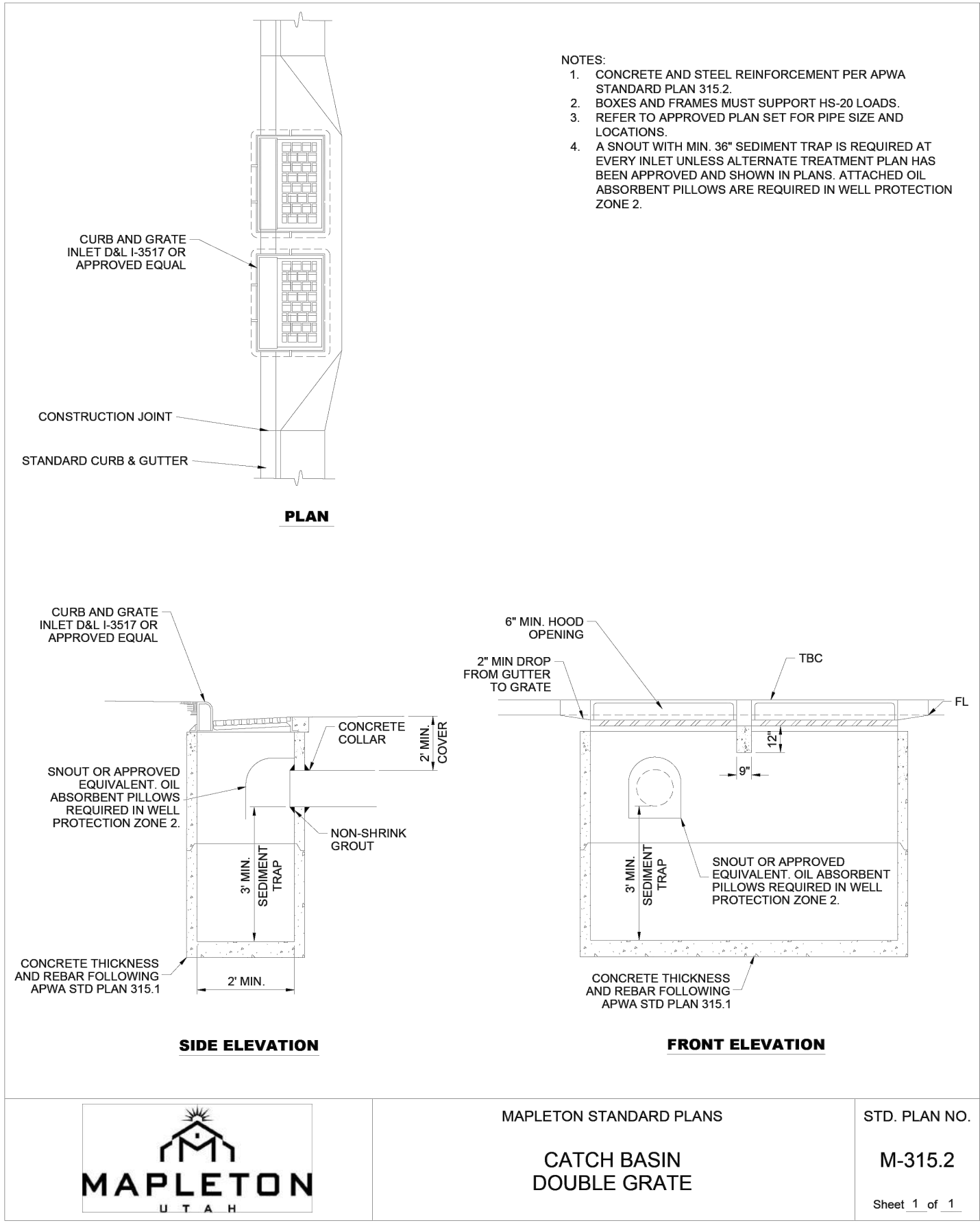
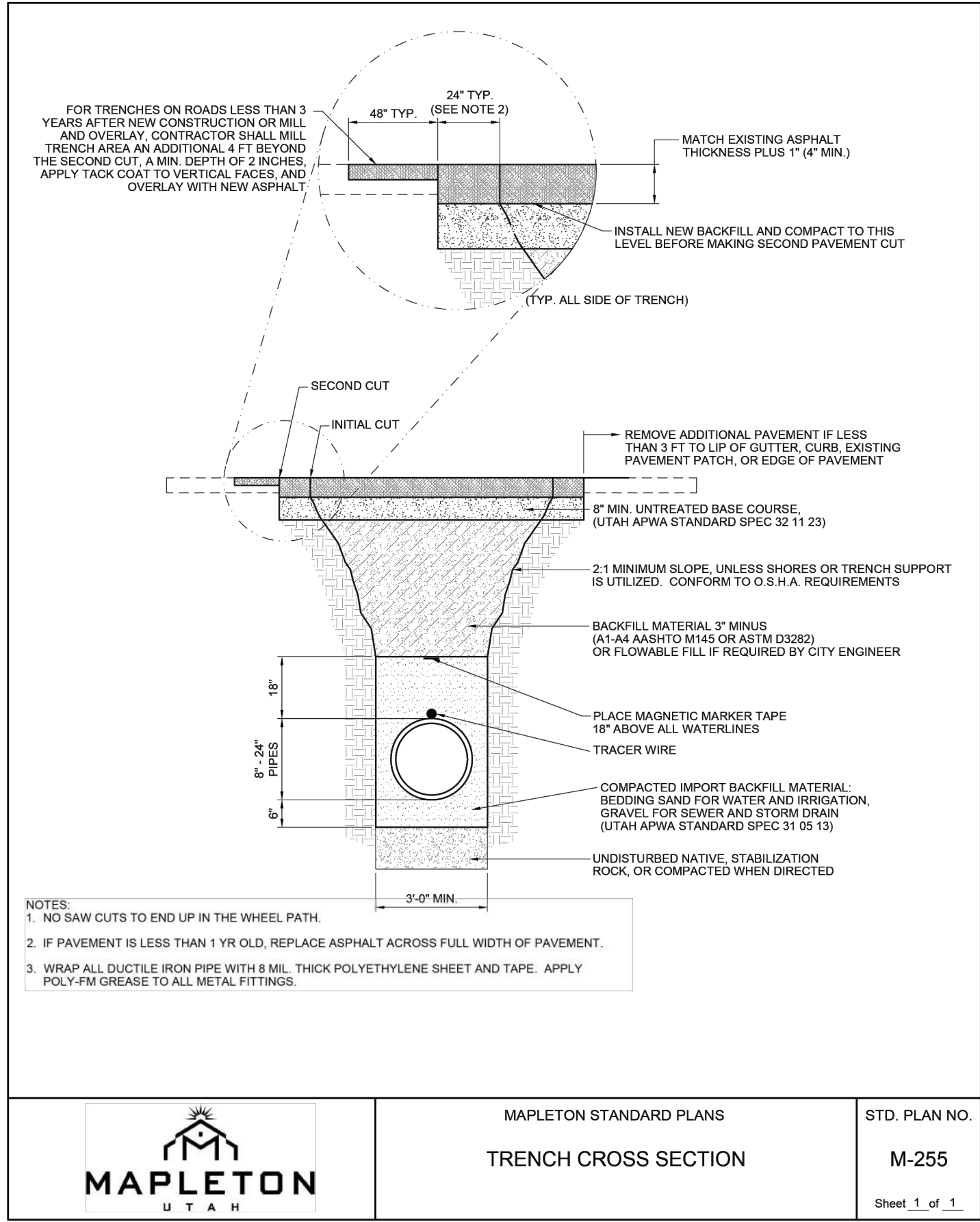


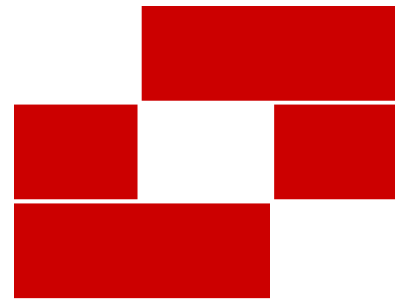
SCALE: NONE



SCALE: NONE







Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

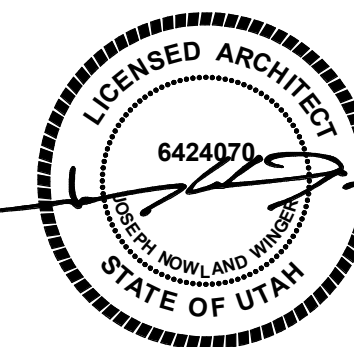
Revisions

Num.	Description	Date
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Project Number	28526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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Sheet Title

SITE PLAN

Sheet Number

AS101

TOTAL PROPOSED PARKING COUNT

Parking Space	82
Parking Space - ADA	2
TOTAL PROVIDED: 84	

TOTAL PROPOSED GROSS BUILDING AREA

POLE BARN BUILDING	
LEVEL 1	8,101.41 SF
LEVEL 2	8,101.41 SF
SCHOOL BUILDING	
LEVEL 1	13,883.24 SF
LEVEL 2	10,367.45 SF
	24,244.69 SF
TOTAL PROPOSED AREA	32,346.10 SF

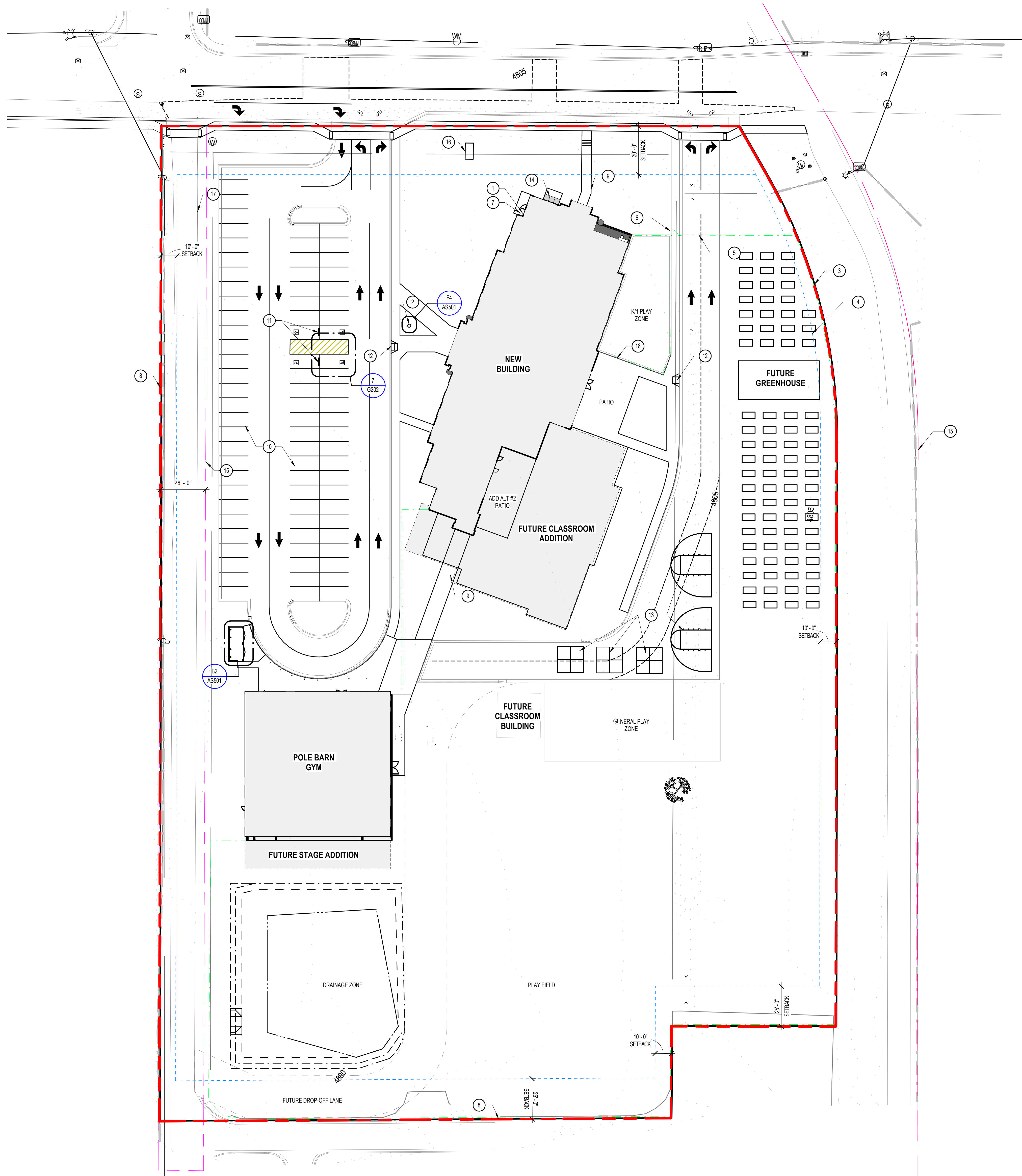
SITE PLAN GENERAL NOTES

- SEE CIVIL DRAWINGS FOR LIMITS OF CONSTRUCTION - CONTRACT LIMIT LINE IS FROM BACK OF CURB UNLESS NOTED OTHERWISE.
- SEE CIVIL DRAWINGS FOR ALL GRADING, SITE WORK, UTILITY CONNECTIONS, RETAINING WALLS, ETC. - INFORMATION SHOWN HERE IS SCHEMATIC.
- SEE LANDSCAPING DRAWINGS FOR PLANTING AND IRRIGATION - INFORMATION SHOWN HERE IS SCHEMATIC.
- SEE ELECTRICAL DRAWINGS FOR UTILITY CONNECTIONS - INFORMATION SHOWN HERE IS SCHEMATIC.
- DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
- CONNECT ALL PRIMARY ROOF DRAINS TO UNDERGROUND DISCHARGE SYSTEM. COORDINATE WITH CIVIL DRAWINGS.

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- FIRE DEPARTMENT CONNECTION, COORDINATE WITH MECHANICAL.
- FLAG POLE
- PROPERTY LINE
- BUILDING SET BACK
- SLIDING VEHICLE GATE - FENCING BY OWNER
- PEDESTRIAN MAN GATE - FENCING BY OWNER
- KNOX BOX
- SITE FENCING BY OWNER
- CONCRETE PAVING, COORDINATE WITH CIVIL
- ASPHALT PAVING, COORDINATE WITH CIVIL
- ADA STRIPING SYMBOL
- ADA COMPLIANT CURB CUT, COORDINATE WITH CIVIL
- PROVIDE ASPHALT STRIPING FOR BASKETBALL KEY AND FOUR SQUARE COURT. REFER TO CIVIL DRAWINGS FOR LAYOUT AND DIMENSIONS.
- ELECTRICAL EQUIPMENT COORDINATE WITH ELECTRICAL
- SITE EASEMENT REFER TO CIVIL DRAWINGS FOR REQUIREMENTS
- MONUMENT SIGN BY OWNER, SEE ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS
- EXISTING DRIVE ACCESS
- MAN GATE IN 4'-0" CHAIN LINK FENCE, BY OWNER



1 SITE PLAN

Original drawing is 36" x 42"

Autodesk Docs: 28526 - Louisa May Alcott Community School (28526) - Louisa May Alcott Community School - R28 (ARCH).indd 1



Boise
300 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

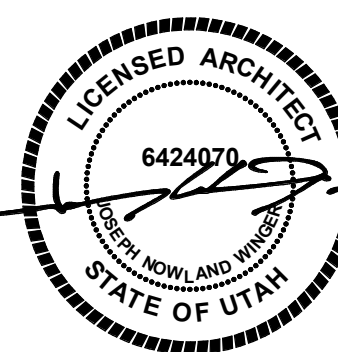
Revisions		
Num.	Description	Date

Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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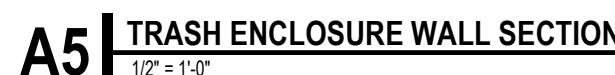
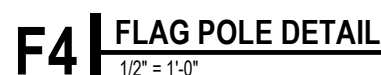


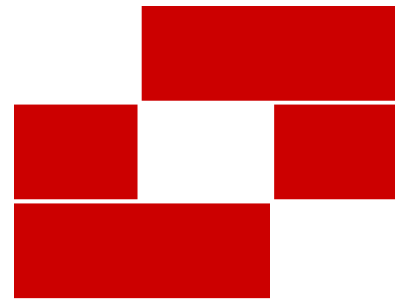
Sheet Title

SITE DETAILS

Sheet Number

AS501





BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

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1250 E 1200 N, MAPLETON, UT 84664

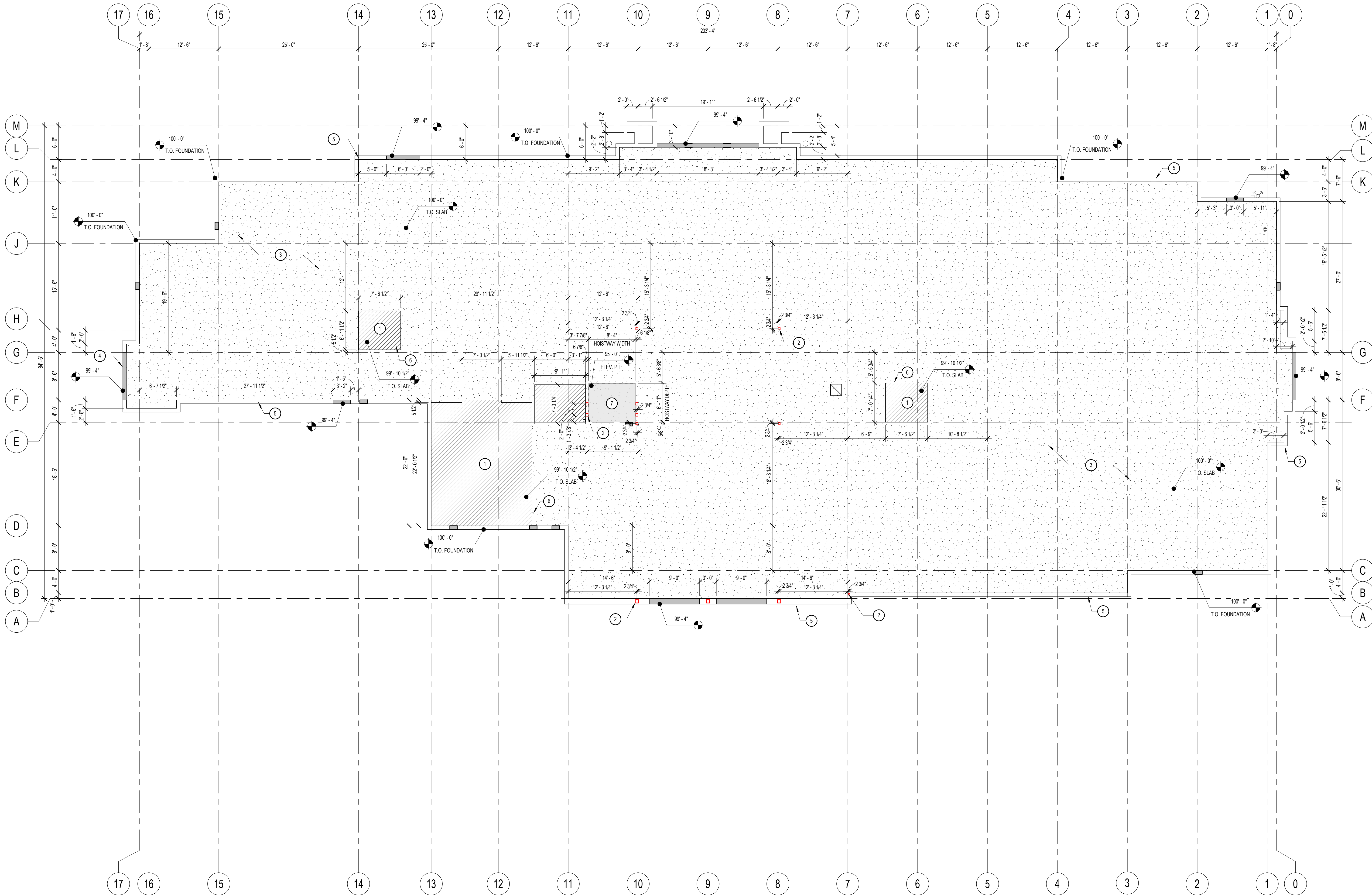
SLAB PLAN GENERAL NOTES

1. ARCHITECTURAL SLAB PLANS SHALL DETERMINE SLAB EDGES. NOTIFY ARCHITECT OF ANY DETAILS INCONSISTENT WITH THE STRUCTURAL DRAWINGS PRIOR TO WORK.
2. CONTRACTOR TO COORDINATE THE LOCATION OF ALL FLOOR DRAINS AND FLOOR SINKS WITH PLUMBING DRAWINGS AND KITCHEN DRAWINGS.
3. CONTRACTOR TO COORDINATE THE LOCATION OF ALL ROOF DRAINS WITH PLUMBING DRAWINGS.
4. CONTRACTOR TO COORDINATE THE LOCATION OF ALL FLOOR OUTLETS WITH OWNER, ARCHITECT AND ELECTRICAL DRAWINGS.
5. REFER TO STRUCTURE FOR CONTROL JOINTS LOCATIONS ON SLABS ON GRADE UNLESS NOTED OTHERWISE.
6. INSTALL VAPOR BARRIER UNDER SLAB ON GRADE PER SPEC.

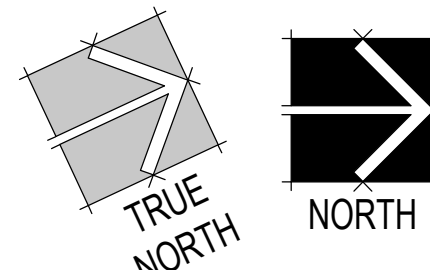
SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

1. PROVIDE RECESS IN SLAB TO ACCOMMODATE THICK-SET TILE ASSEMBLY AND THE MINIMUM SLOPE REQUIRED FOR DRAINAGE. REFER TO THE INTERIOR FINISH SCHEDULE AND PROJECT SPECIFICATIONS FOR FINISH REQUIREMENTS.
2. STEEL COLUMN. COORDINATE WITH STRUCTURAL.
3. CONCRETE SLAB OVER GRAVEL BASE. COORDINATE WITH SLAB PLANS AND STRUCTURAL.
4. HOLD FOOTING DOWN FOR TURN DOWN SLAB - COORDINATE WITH STRUCTURAL.
5. FOOTING AND FOUNDATION. COORDINATE WITH STRUCTURAL.
6. EDGE OF SLAB
7. CONTRACTOR TO VERIFY EXACT DIMENSIONS OF ELEVATOR PIT AND STEEL WITH ELEVATOR MANUFACTURER REQUIREMENTS TO ASSURE CLEARANCES & FUNCTIONALITY.



1 LEVEL 1 - SLAB PLAN
1/8" = 1'-0"



Revisions

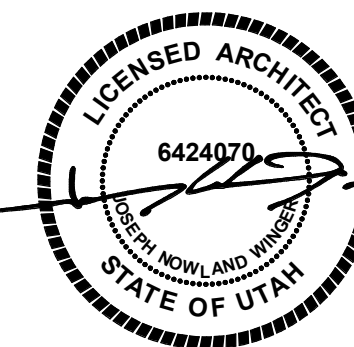
Num.	Description	Date
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Project Number	28526
Original Issue	09/04/2026
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Sheet Title

LEVEL 1 SLAB PLAN

Sheet Number

A111

FLOOR PLAN GENERAL NOTES

1. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL DIMENSIONS ARE TO COLUMN CENTRELINES, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
4. UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
5. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEVIATE FROM THE DOCUMENTS.
6. THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, MATERIALS, PRODUCTS, ETC. IN ANY CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
7. SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
8. SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES, HARDWARE, ETC.
9. FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE "S" SHEETS.
10. ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
11. SEE WALL & WINDOW CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
12. HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
13. ANY COLUMN FURNISHING TO BE TIGHT TO COLUMN LIN.
14. ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
15. IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A PART SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT DIRECTIONS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
16. BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
17. CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 24 HOUR FIRE STOPPED.
18. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
19. THE FURNITURE AND OTHER F.F.E. SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ELECTRICAL OUTLETS AND OTHERS OWNED WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
20. THE ELEVATOR AND SHAFT SHOWN IN DOCUMENTS IS BASED ON THE THYSSENKRUPP ENDURA 2 STAGE SERIES 3000 HYDRAULIC ELEVATOR. SHAFT AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

FIRE RATING LEGEND

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.

EXISTING CONSTRUCTION

NON RATED

NON RATED SMOKE PARTITION (IRC 710)

 1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY

- 1 DRINKING FOUNTAIN, COORDINATE WITH MECHANICAL
- 2 COOPER N.C., COORDINATE WITH ELECTRICAL
- 3 AND ALTERNATE D (BLUE): PROVIDE COST PROPOSAL FOR COAT HOODS, REINFORCED WALL BAKING FOR FUTURE COAT HOOD INSTALLATION SHALL BE INCLUDED AS PART OF THE BASE BID
- 4 SINK, COORDINATE WITH MECHANICAL
- 5 STEEL COLUMN, COORDINATE WITH STRUCTURAL
- 6 AND ALTERNATE 6E - PRE-MANUFACTURED GAS FIRE PLACE COORDINATE ALL REQUIRED CONNECTIONS WITH MECHANICAL AND REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS
- 7 CASEWORK, SEE INTERIOR ELEVATIONS
- 8 ELECTRICAL PANEL, COORDINATE WITH ELECTRICAL
- 9 AND ALTERNATE G (GREEN): PROVIDE COST PROPOSAL FOR CASEWORK IN CLASSROOMS AND LUNGEON JUNCTION. THE GREEN CASEWORK PROVIDES THE ALTERNATE F LAYOUT
- 10 PARTIAL HEIGHT FIRE WALL- FIRE RESISTANCE RATING SHALL EXTEND AS NECESSARY TO PROVIDE THE REQUIRED RATING FOR THE STORAGE ROOM UNDER THE STAIR
- 11 USE TYPICAL CONNECTION, COORDINATE WITH MECHANICAL
- 12 INCL. BOX

ACCESSORY SCHEDULE

MARK	DESCRIPTION	RESPONSIBL
A-1	MIRROR	C.F.C.I.
BB	BULLETIN BOARD	C.F.C.I.
GB15v	GRAB BAR - 18" MOUNTED VERTICAL	C.F.C.I.
GB36	GRAB BAR - 36"	C.F.C.I.
GB42	GRAB BAR - 42"	C.F.C.I.
TA1	SOAP DISPENSER - LIQUID	C.F.C.I.
TA6	TOILET TISSUE DISPENSER (DOUBLE)	C.F.C.I.
WB	4X2 WHITE BOARD	C.F.C.I.
WB-TW	4X12 WHITE BOARD	C.F.C.I.

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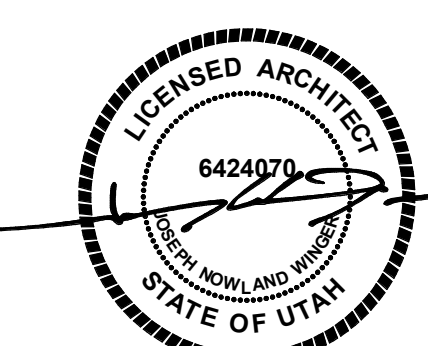
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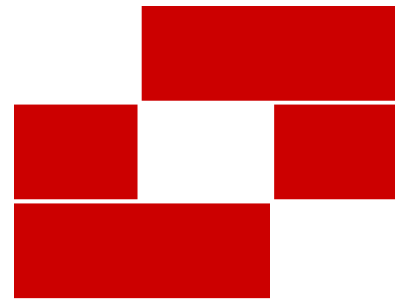
Sheet Title

LEVEL 1 FLOOR PLAN

Sheet Number

A112





Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

REFLECTED CEILING PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES. CENTER OF SUSPENDED CEILING GRIDS OR TO FACE OF FRAMING, U.N.O. CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- ALL GWS SOFFITS AND BULKHEADS ARE TO BE 2 INCHES BELOW ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
- SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- SUSPENDED CEILING GRIDS ARE LAID OUT WITH EITHER A TILE OR A GRID AT THE CENTER OF THE ROOM IN EACH DIRECTION UNLESS NOTED OR DIMENSIONED OTHERWISE.
- CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS AND OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- ALL EXPOSED DECK TO BE PAINTED
- ALL EXPOSED STRUCTURE TO BE PAINTED
- ALL EXPOSED MECHANICAL, ELECTRICAL PLUMBING SYSTEMS TO BE PAINTED.
- SEE MECHANICAL DRAWINGS FOR DIFFUSER AND GRILLE LOCATIONS, INFORMATION SHOWN HERE IS FOR REFERENCE ONLY.
- SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, INFORMATION SHOWN HERE IS FOR REFERENCE ONLY.
- ALL LIGHTING TO BE CENTERED OR SET IN CEILING GRID UNLESS NOTED OTHERWISE.
- ALL SPRINKLER HEADS ARE TO BE CENTERED IN CEILING GRID UNLESS NOTED OTHERWISE.
- ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- PROJECTION SCREEN OWNER PROVIDED CONTRACTOR INSTALLED.
- LIGHT FIXTURE, COORDINATE WITH ELECTRICAL.
- HVAC DUCT, COORDINATE WITH MECHANICAL.
- FIRE-RATED HORIZONTAL ASSEMBLY - FIRE RATING TO MATCH THAT OF ADJACENT WALLS. REFER TO U.L. LISTINGS FOR ASSEMBLY DETAILS.
- CEILING MOUNTED AV EQUIPMENT OWNER PROVIDED CONTRACTOR INSTALLED. COORDINATE WITH ELECTRICAL.
- FIRE-RATED HORIZONTAL ASSEMBLY TO FOLLOW THE SLOPE OF THE STRINGER AND TERMINATE AT THE BASE OF THE STAIR.

REFLECTED CEILING LEGEND

ACT-1		2X4' ACOUSTICAL CEILING TILE
ACT-2		2X2' ACOUSTICAL CEILING TILE
GB-1		5/8" TYPE "X" GYPSUM BOARD WITH SMOOTH FINISH, PAINTED PNT-01
OTS		OPEN TO STRUCTURE - PIPING, WIRING, JUNCTION BOXES AND STRUCTURE TO BE PAINTED F-4.
MP-1		FLAT METAL PANEL SOFFIT
M-1		MASONRY VENEER AS SELECTED

AT WALKING SURFACE OR CIRCULATION ROUTE NO SUSPENDED LIGHT FIXTURE, DECORATIVE ITEM OR SIMILAR DECORATIVE ITEMS SHALL BE INSTALLED LOWER THAN 80" A.F.F.

NO DEVICE OR DECORATIVE OBJECT LESS THAN 80" A.F.F. SHALL PROJECT MORE THAN 4" FROM ANY WALL IN ANY CIRCULATION PATH OR ACCESSIBLE ROUTE

ALL SPRINKLER FINISHES IN EACH CEILING TYPE TO BE VERIFIED BY ARCHITECT

Revisions

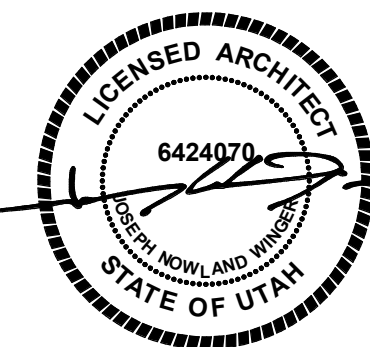
Num.	Description	Date
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Original Issue	09.04.2026
Project Status	Permit & Bid Set

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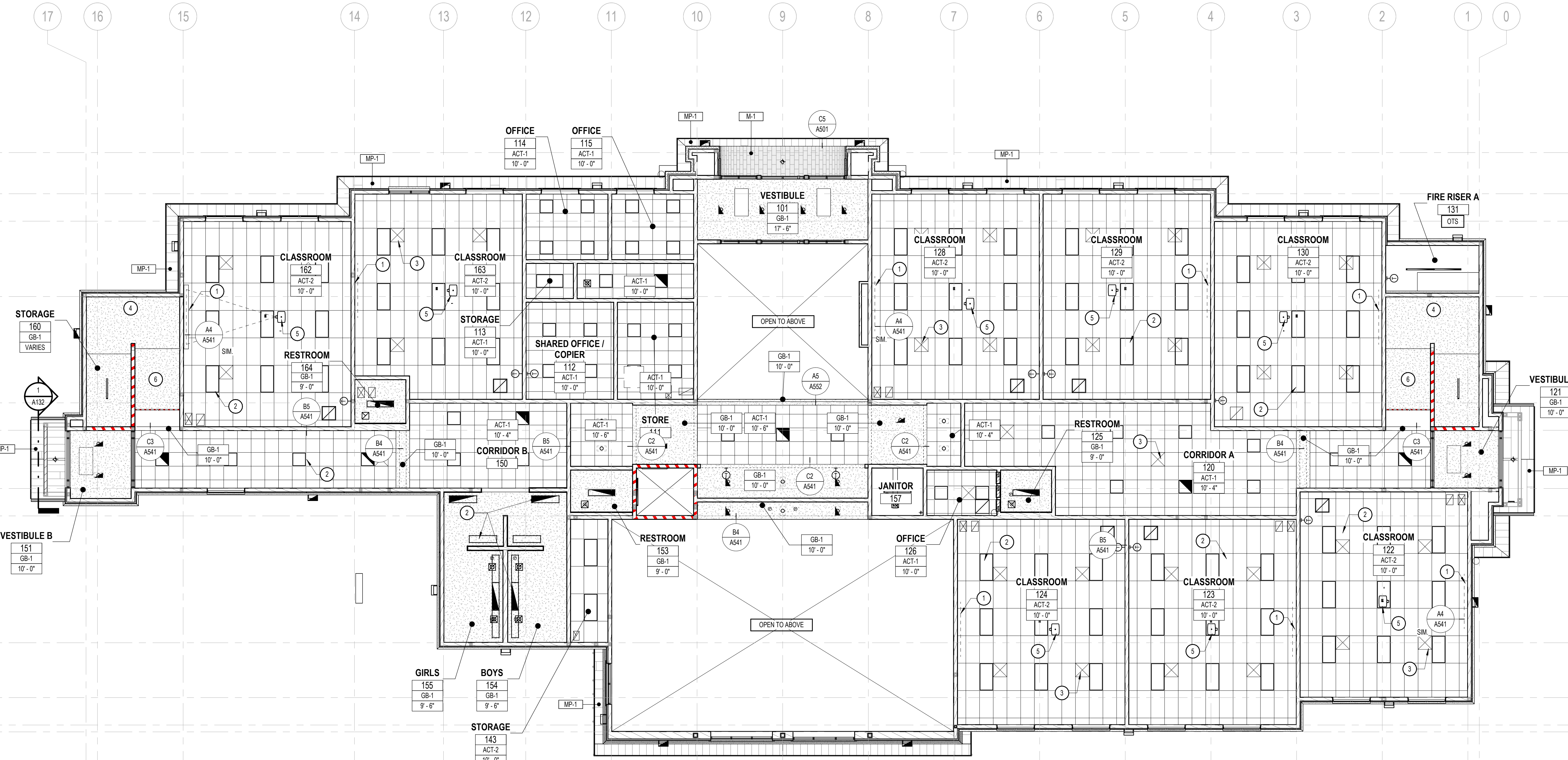
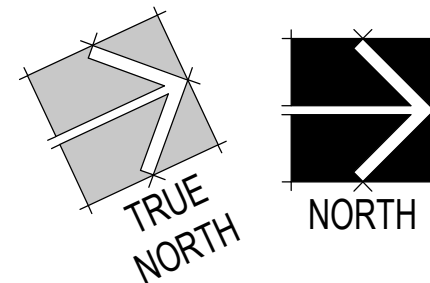


Sheet Title

LEVEL 1 REFLECTED
CEILING PLAN

Sheet Number

A113



1 REFLECTED CEILING PLAN - LEVEL 1
1/8" = 1'-0"



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

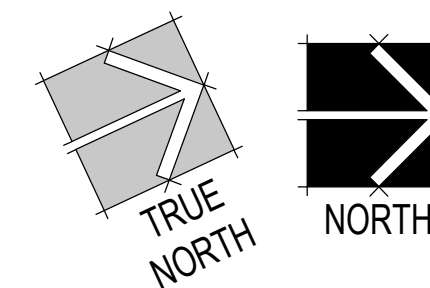
NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

1. FLOOR FINISHES ARE CONTINUOUS. ALL FLOORING IS TO CONTINUE BENEATH ALL ELEMENTS IN CONTACT WITH THE FLOOR. CONTRACTOR TO COORDINATE OPENINGS AND PROVIDE FLOORING WITHIN OPENINGS NOT SPECIFICALLY IDENTIFIED.
2. ALL PRODUCTS ARE TO BE PROVIDED AND INSTALLED PER MANUFACTURERS PUBLISHED REQUIREMENTS AND FASTENED AND ADHERED ACCORDING TO APPROVED METHODS.
3. ALL EXPOSED SURFACES ARE TO BE PREPARED TO RECEIVE NEW FINISHES.
4. ALL WIRE FRAMES, CONDUIT, ACCESS PANELS, GILLES, FIRE EXTINGUISHER CANNISTERS, ELECTRICAL PANELS AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE UNLESS NOTED OTHERWISE.
5. ALL PAINT IS TO CONTINUE FROM BASE OF WALL TO TOP OF WALL AND EDGE OF WALL TO EDGE OF WALL UNLESS NOTED OTHERWISE.
6. ALL CEILING ACCESS PANELS TO MATCH ADJACENT SURFACE.
7. CONTRACTOR TO REPORT ANY DISCREPANCIES IN PRODUCT QUALITY TO ARCHITECT FOR REVIEW AND APPROVAL.
8. COMMENCEMENT OF WORK ON ANY SURFACE BY THE CONTRACTOR MEANS ACCEPTANCE OF THOSE SURFACES.
9. ALL INTERIOR DOOR FRAMES TO BE PAINTED, SEE P-2).
10. REFER TO SHEET A541 FOR INTERIOR DETAILS.
11. REFER TO SHEET A401 AND A402 FOR INTERIOR ELEVATIONS.
12. REFER TO SHEET A113, A123 FOR REFLECTED CEILING PLANS.
13. INTERIOR OF ALL CLOSED MILLWORK TO BE WHITE MELAMINE. ALL EXPOSED EDGES AND SURFACES TO BE LAMINATE AS SPECIFIED FOR ALL VERTICAL SURFACES UNLESS NOTED OTHERWISE. PROVIDE PLASTIC LAMINATE (P-L) FOR ALL HORIZONTAL SURFACES UNLESS NOTED OTHERWISE. PROVIDE PLASTIC LAMINATE (P-L) PLU. PLU HARDWARE TO TOP KNOB NOUYEAU COLLECTION 4 WIRE PULL WITH SATIN NICKEL FINISH.
14. FLOOR TRANSITION HEIGHTS NOT TO EXCEED 1/4" MAXIMUM. PROVIDE APPROPRIATE TRANSITION AT EACH LOCATION WHERE FLOOR MATERIAL CHANGES.

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- 1 STAINLESS STEEL L-SHAPED CORNER GUARD TYP. AT ALL EXPOSED OUTSIDE CORNERS, 60" TALL



1 | LEVEL 1 - FINISHES FLOOR PLAN
1/8" = 1'-0"

Revisions

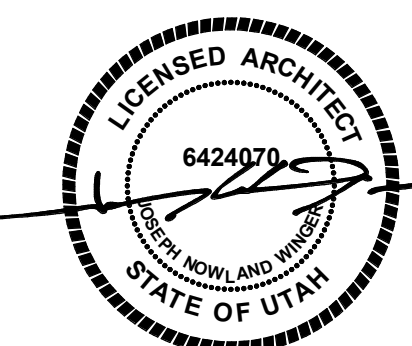
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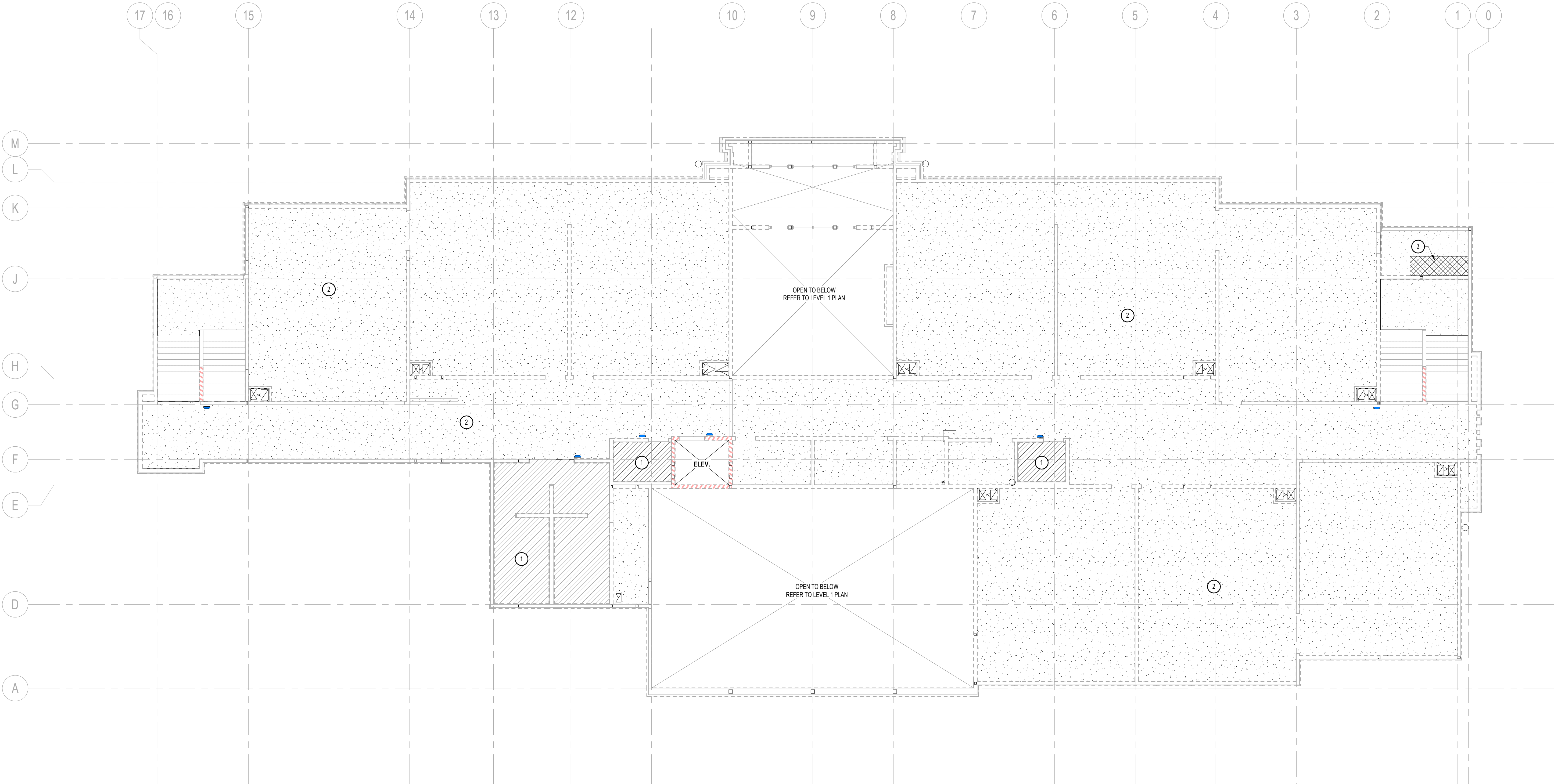


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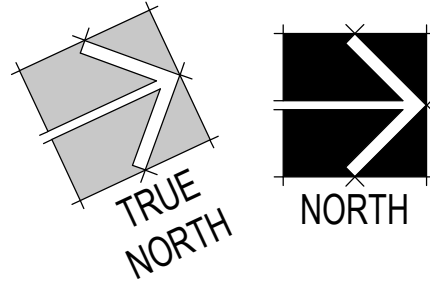
LEVEL 1 FINISHES PLAN

Sheet Number

A114



1 | LEVEL 2 GYPCRETE PLAN
1/8" = 1'-0"



FLOOR PLAN GENERAL NOTES

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- DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEViate FROM THE DOCUMENTS.
- THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
- SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
- SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES, HARDWARE, ETC.
- FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE 'G' SHEETS.
- ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
- SEE WALL TYPE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
- HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- ANY COLUMN FURRING TO BE TIGHT TO COLUMN UND.
- ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
- IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A DETAIL SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT ORDERS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
- BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
- CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED.
- COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
- THE FURNITURE AND OTHER F.F.E. SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ELECTRICAL OUTLETS AND OTHER NEEDS WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
- THE ELEVATOR AND SHAFT SHOWN IN DOCUMENTS IS BASED ON THE THYSENKRUPP ENDURA 2-STAGE SERIES 3500 HYDRAULIC ELEVATOR. SHAFT AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

FIRE RATING LEGEND

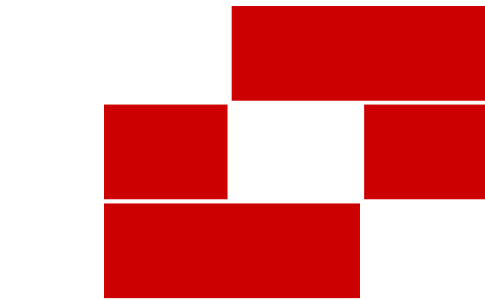
NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.

- EXISTING CONSTRUCTION
- NON RATED
- NON RATED SMOKE PARTITION (IBC 710)
- 1-HR FIRE BARRIER/PARTITION (IBC 707, 710)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- OMIT GYPCRETE IN AREAS TO ACCOMMODATE THICK-SET TILE ASSEMBLY AND THE MINIMUM SLOPE REQUIRED FOR DRAINAGE. REFER TO THE INTERIOR FINISH SCHEDULE AND PROJECT SPECIFICATIONS FOR FINISH REQUIREMENTS.
- 1 1/2" GYPCRETE FLOOR WITH 1/4" SOUND MAT
- CROSS-HATCHED AREA INDICATES AN AREA OF THICKENED 3 1/2" GYPCRETE OVER 1/4" SOUND MAT TO BE LOCATED UNDER ELECTRICAL EQUIPMENT COORDINATE WITH STRUCTURAL AND ELECTRICAL.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

Revisions

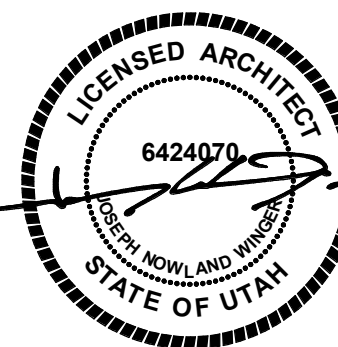
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Sheet Title

LEVEL 2 GYPCRETE
PLAN

Sheet Number

A121



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 8466.

1. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
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7. SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
8. SEE OOD AND BUILDING SCHEDULES FOR TYPES, TYPES, AND FINISHES, HARDWARE, ETC.
9. FOR WINDOW CODE REQUIREMENTS OR FIRESMOKE REQUIREMENTS, SEE "G" SHEETS.
10. ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
11. SEE WALL TYPE CONSTRUCTION DETAILS ON SHEETS A611 AND ADDITIONAL DETAILS OF SHEETS A612 AND A613 FOR WALL FINISHES, ETC.
12. HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
13. ALL COLUMN FLOORING TO BE TIGHT TO COLUMN UDL.
14. ALL COLUMN CURBING SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
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20. THE ELEVATOR AND SHUTTLE SHOWN IN DOCUMENTS IS BASED ON THE THYSENKRUPP INDURA 3 STAGE SERIES 5000 HYDRAULIC ELEVATOR. SHUTTLE PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE
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	EXISTING CONSTRUCTION
	NON RATED
	NON RATED SMOKE PARTITION (IBC 710)
	1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

1. DRINKING FOUNTAIN, COORDINATE WITH MECHANICAL.

2. COPIER, N.I.C., COORDINATE WITH ELECTRICAL.

3. BASIN SINK, COORDINATE WITH MECHANICAL.

4. JANITOR SINK, COORDINATE WITH MECHANICAL.

5. SINK, COORDINATE WITH MECHANICAL.

6. CONTRACTOR SHALL COORDINATE CHASE OPENING SIZE AND CLEARANCES WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.

7. ADD A LATE NOTE - PRE-MANUFACTURED GAS FIRE PLACE COORDINATE ALL REQUIRED CONNECTIONS WITH MECHANICAL AND REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS.

8. ELECTRICAL PANEL, COORDINATE WITH ELECTRICAL.

9. METAL GUARDING, SEE DETAILS.

10. CASHWORK WALL CAF.

11. ADD A LATE NOTE (A GREEN): PROVIDE COST PROPOSAL FOR CASHWORK IN CLASSROOMS WITHOUT PLUMBING. THE GREEN CASHWORK REPRESENTS THE ADD ALTERNATE 1 LAYOUT.

12. ADD A LATE NOTE (A BLUE): PROVIDE COST PROPOSAL FOR COAT HOOKS, REINFORCED WALL BACKING FOR FUTURE COAT HOOK INSTALLATION SHALL BE INCLUDED AS PART OF THE BASE BID.

13. ROOF ACCESS LADDER AND HATCH - REFER TO SECTION DETAILS AND PROJECT SPEC.

MARK	DESCRIPTION	RESPONSIBILITY
A-1	MIRROR	C.F.C.I.
B8	BULLETIN BOARD	C.F.C.I.
GB18v	GRAB BAR - 18" MOUNTED VERTICAL	C.F.C.I.
GB36	GRAB BAR - 36"	C.F.C.I.
GB42	GRAB BAR - 42"	C.F.C.I.
TA6	TOILET TISSUE DISPENSER (DOUBLE)	C.F.C.I.
WB	4X8 WHITE BOARD	C.F.C.I.
WB, TW	4X12 WHITE BOARD	C.F.C.I.

Revisions

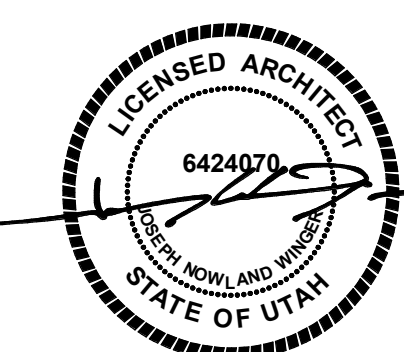
Num.	Description	Date
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Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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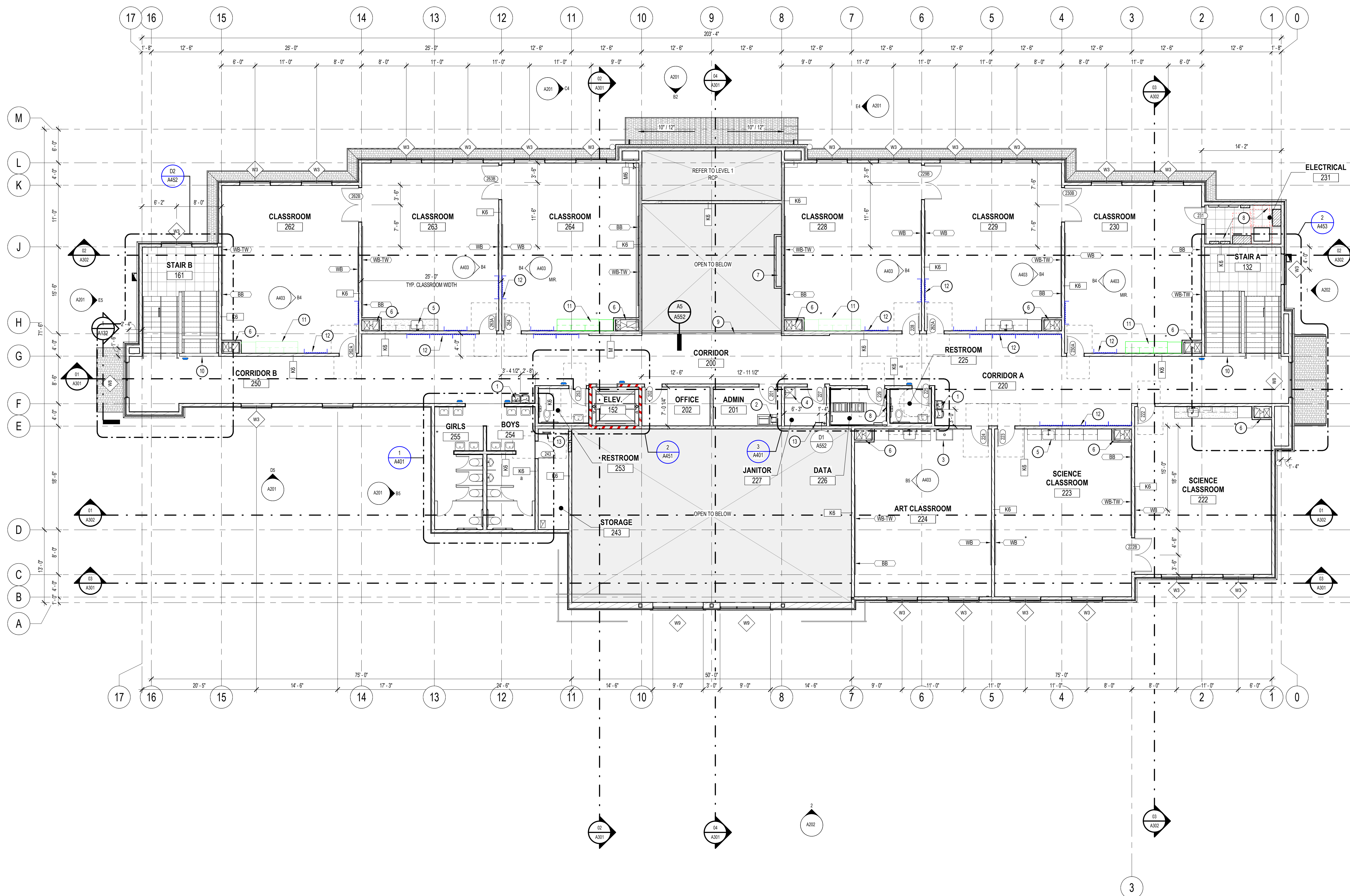


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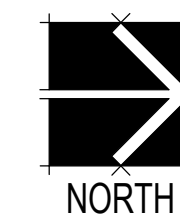
LEVEL 2 FLOOR PLAN

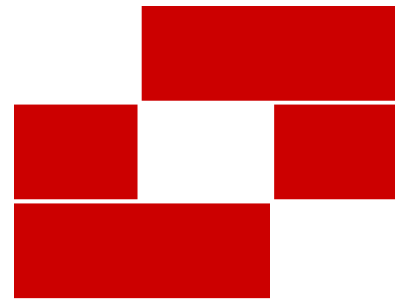
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A122



1 | LEVEL 2 - FLOOR PLAN





Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

REFLECTED CEILING PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES. CENTER OF SUSPENDED CEILING GRIDS OR TO FACE OF FRAMING, U.N.O. CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- ALL GWB SOFFITS AND BULKHEADS ARE TO BE 2 INCHES BELOW ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
- SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- SUSPENDED CEILING GRIDS ARE LAID OUT WITH EITHER A TILE OR A GRID AT THE CENTER OF THE ROOM IN EACH DIRECTION UNLESS NOTED OR DIMENSIONED OTHERWISE.
- CEILING IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS AND OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- ALL EXPOSED DECK TO BE PAINTED
- ALL EXPOSED STRUCTURE TO BE PAINTED
- ALL EXPOSED MECHANICAL, ELECTRICAL PLUMBING SYSTEMS TO BE PAINTED.
- SEE MECHANICAL DRAWINGS FOR DIFFUSER AND GRILLE LOCATIONS. INFORMATION SHOWN HERE IS FOR REFERENCE ONLY.
- SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS. INFORMATION SHOWN HERE IS FOR REFERENCE ONLY.
- ALL LIGHTING TO BE CENTERED OR SET IN CEILING GRID UNLESS NOTED OTHERWISE.
- ALL SPRINKLER HEADS ARE TO BE CENTERED IN CEILING GRID UNLESS NOTED OTHERWISE.
- ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

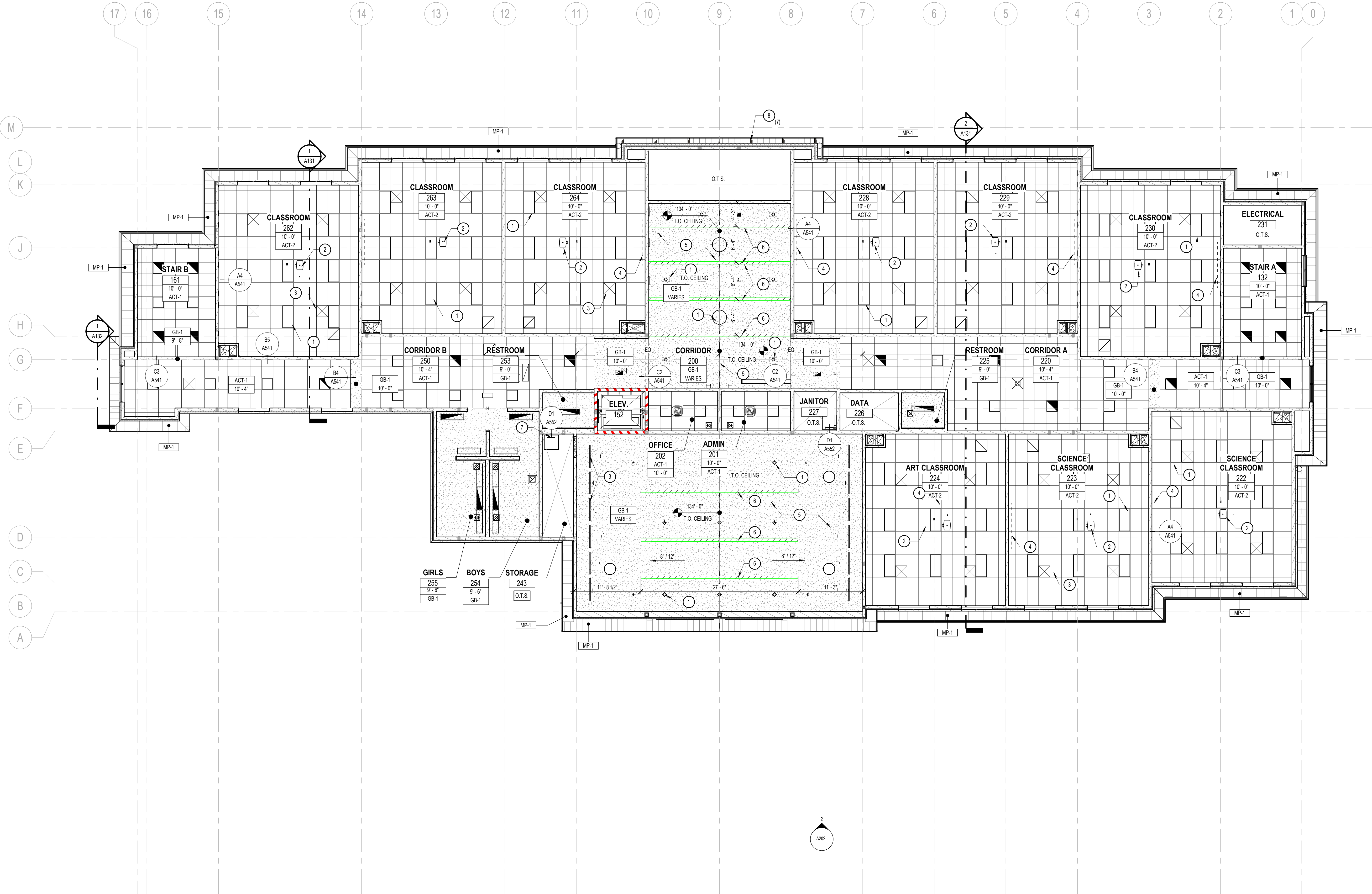
- HVAC DUCT, COORDINATE WITH MECHANICAL.
- LIGHT FIXTURE, COORDINATE WITH ELECTRICAL.
- CEILING MOUNTED AV EQUIPMENT OWNER PROVIDED CONTRACTOR INSTALLED. COORDINATE WITH ELECTRICAL.
- HVAC DUCT, COORDINATE WITH MECHANICAL.
- PROJECTION SCREEN OWNER PROVIDED CONTRACTOR INSTALLED.
- SLOPED GYP. BOARD CEILING
- DECORATIVE WOOD BEAMS SUSPENDED FROM STRUCTURE ABOVE. REFER TO SECTION DETAILS FOR SUPPORT AND INSTALLATION REQUIREMENTS.
- ROOF ACCESS LADDER AND RAILING, REFER TO SECTION DETAILS AND PROJECT SPEC.
- DECORATIVE WOOD EAVE CORBEL

ACT-1	2X4 ACoustical CEILING TILE
ACT-2	2X2 ACoustical CEILING TILE
GB-1	5/8" TYPE "X" GYPSUM BOARD WITH SMOOTH FINISH, PAINTED PNT-01
O.T.S.	OPEN TO STRUCTURE: PIPING, WIRING, JUNCTION BOXES AND STRUCTURE TO BE PAINTED P-4.
MP-1	FLAT METAL PANEL SOFFIT
M-1	MASONRY VENEER AS SELECTED

AT WALKING SURFACE OR CIRCULATION ROUTE NO SUSPENDED LIGHT FIXTURE, DECORATIVE ITEM OR SIMILAR DECORATIVE ITEMS SHALL BE INSTALLED LOWER THAN 80" A.F.F.

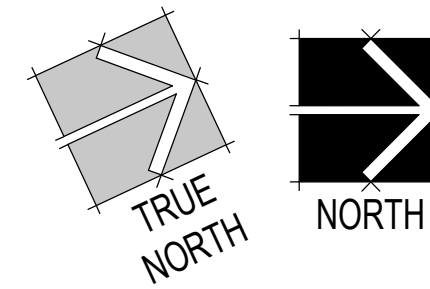
NO DEVICE OR DECORATIVE OBJECT LESS THAN 80" A.F.F. SHALL PROJECT MORE THAN 4" FROM ANY WALL IN ANY CIRCULATION PATH OR ACCESSIBLE ROUTE

ALL SPRINKLER FINISHES IN EACH CEILING TYPE TO BE VERIFIED BY ARCHITECT



1 REFLECTED CEILING PLAN - LEVEL 2

1/8" = 1'-0"



Sheet Title

LEVEL 2 REFLECTED
CEILING PLAN

Sheet Number

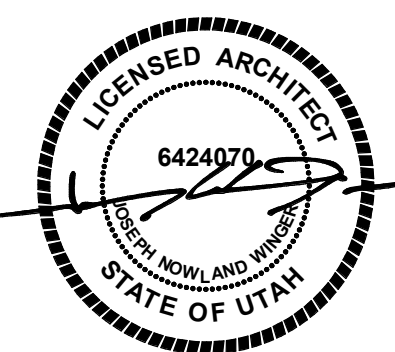
A123

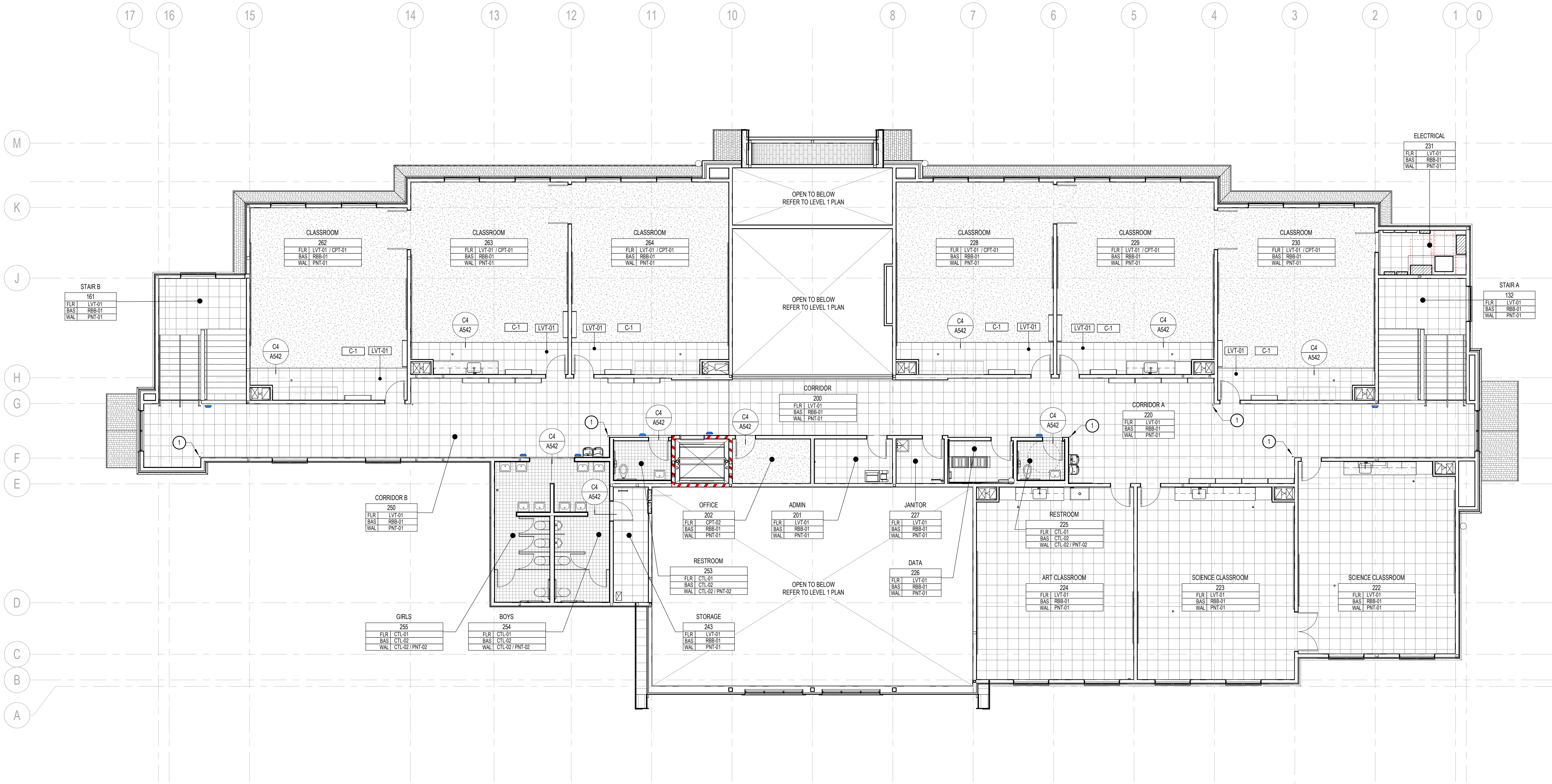
Project Number 25526
Original Issue 09/04/2025
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- FLOOR FINISH PLAN GENERAL NOTES
1. FLOOR FINISHES ARE CONTINUOUS. ALL FLOORING IS TO CONTINUE BENEATH ALL ELEMENTS IN CONTACT WITH THE FLOOR. CONTRACTOR TO COORDINATE OPENINGS AND PROVIDE FLOORING WITHIN OPENINGS NOT SPECIFICALLY IDENTIFIED.

2. ALL PRODUCTS ARE TO BE PROVIDED AND INSTALLED PER MANUFACTURERS PUBLISHED REQUIREMENTS AND FASTENED AND ADHERED ACCORDING TO APPROVED METHODS.

3. ALL EXPOSED SURFACES ARE TO BE PREPARED TO RECEIVE NEW FINISHES.

4. ALL WIRE FRAMES, CONDUIT, ACCESS PANELS, GULCHES, FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE UNLESS NOTED OTHERWISE.

5. ALL PAINT IS TO CONTINUE FROM BASE OF WALL TO TOP OF WALL AND EDGE OF WALL TO EDGE OF WALL UNLESS NOTED OTHERWISE.

6. ALL CEILING ACCESS PANELS TO MATCH ADJACENT SURFACE.

7. CONTRACTOR TO REPORT ANY DISCREPANCIES IN PRODUCT QUALITY TO ARCHITECT FOR REVIEW AND APPROVAL.

8. COMMENCEMENT OF WORK ON ANY SURFACE BY THE CONTRACTOR MEANS ACCEPTANCE OF THOSE SURFACES.

9. ALL INTERIOR DOOR FRAMES TO BE PAINTED, SEE (P-2).

10. REFER TO SHEET A541 FOR INTERIOR DETAILS.

11. REFER TO SHEET A401 AND A402 FOR INTERIOR ELEVATIONS.

12. REFER TO SHEET A113, A123, FOR REFLECTED CEILING PLANS.

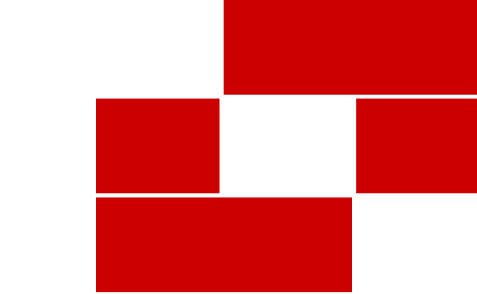
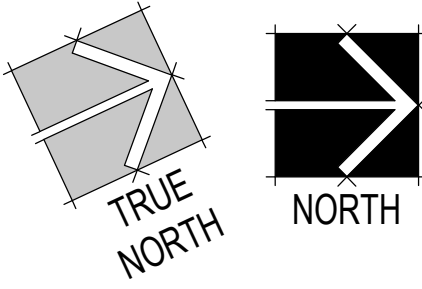
13. INTERIOR OF ALL CLOSED MILLWORK TO BE WHITE MELAMINE. ALL EXPOSED EDGES AND SURFACES TO BE LAMINATE AS SPECIFIED. FOR ALL VERTICAL SURFACES UNLESS NOTED OTHERWISE, PROVIDE PLASTIC LAMINATE (PL-1) FOR ALL HORIZONTAL SURFACES UNLESS NOTED OTHERWISE, PROVIDE PLASTIC LAMINATE (PL-2). PULL HARDWARE TO BE TOP KNOB NOUVEAU COLLECTION 4" WIRE PULL WITH SATIN NICKEL FINISH.

14. FLOOR TRANSITION HEIGHTS NOT TO EXCEED 1/4" MAXIMUM. PROVIDE APPROPRIATE TRANSITION AT EACH LOCATION WHERE FLOOR MATERIAL CHANGES.

- SHEET NOTES
- NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.
- 1

STAINLESS STEEL L-SHAPED CORNER GUARD TYP. AT ALL EXPOSED OUTSIDE CORNERS, 60" TALL.

1 LEVEL 2 - FINISH PLAN
1/8" = 1'-0"



BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

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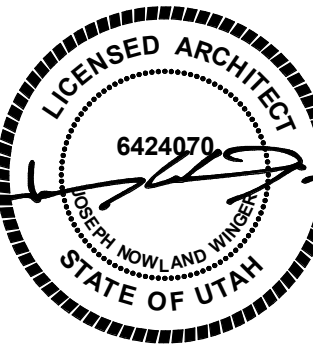
Num.	Description	Date
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Project Number	28526
Original Issue	09.04.2026
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Sheet Title

LEVEL 2 FINISH PLAN

Sheet Number

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Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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NEW CHARTER SCHOOL CAMPUS

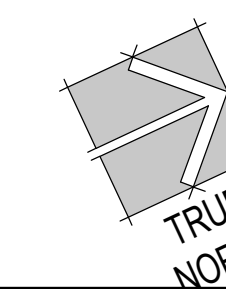
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1. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL DIMENSIONS ARE TO COLUMN CENTERS, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
4. UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
5. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEVIATE FROM THE DOCUMENTS.
6. THE ARCHITECT'S APPROVAL SHALL BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
7. SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
8. SEE DRAW DOW AND WINDOW SCHEDULES FOR TYPES, SIZES, AND FINISHES, HARDWARE, ETC.
9. FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE "C" SHEETS.
10. SEE WALL, TILE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
11. ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
12. IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A PORTION SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS (AS THE ARCHITECT) ORDERS, BEFORE A PORTION OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
13. COORDINATE PENETRATION LOCATIONS FOR EQUIPMENT INSIDE BUILDING W/ MECHANICAL ELECTRICAL, & PLUMBING.
14. PROVIDE CROCKING AS REQUIRED TO REDIRECT WATER FLOW AROUND ALL ROOFTOP EQUIPMENT AND PREVENT ANY POOLING OF WATER, NOT OPTIONAL.

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY

ROOFTOP PHOTOVOLTAIC SYSTEM. REFER TO ELECTRICAL DRAWINGS FOR SYSTEM REQUIREMENTS AND PERFORMANCE CRITERIA.

- [illegible]



Sheet Title

ROOF PLAN

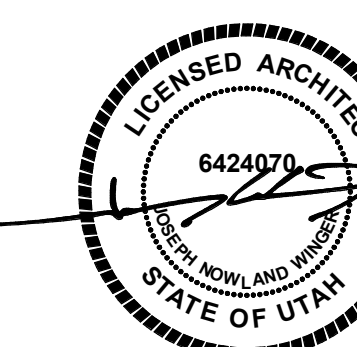
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- SHEET NOTES

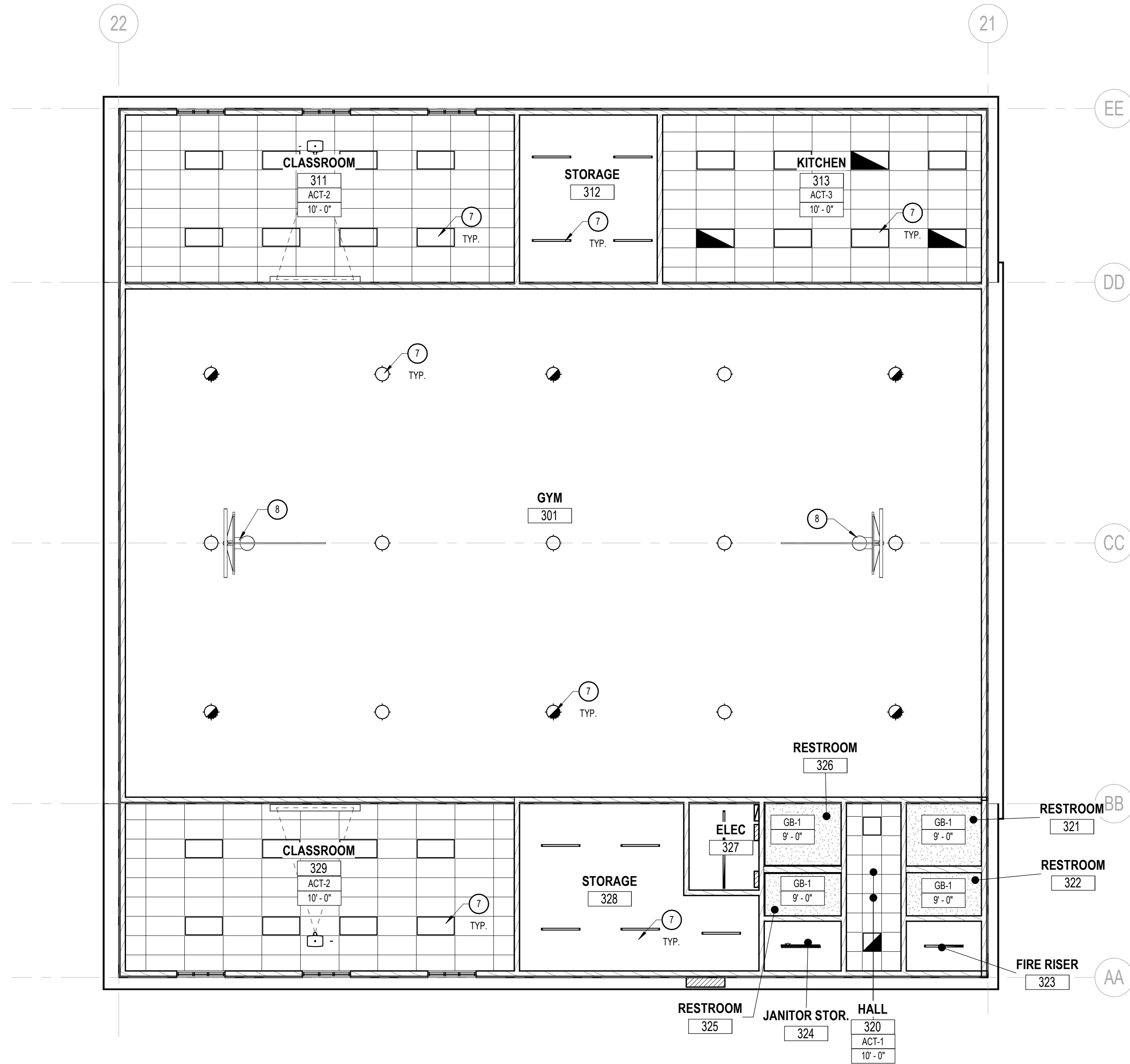
NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

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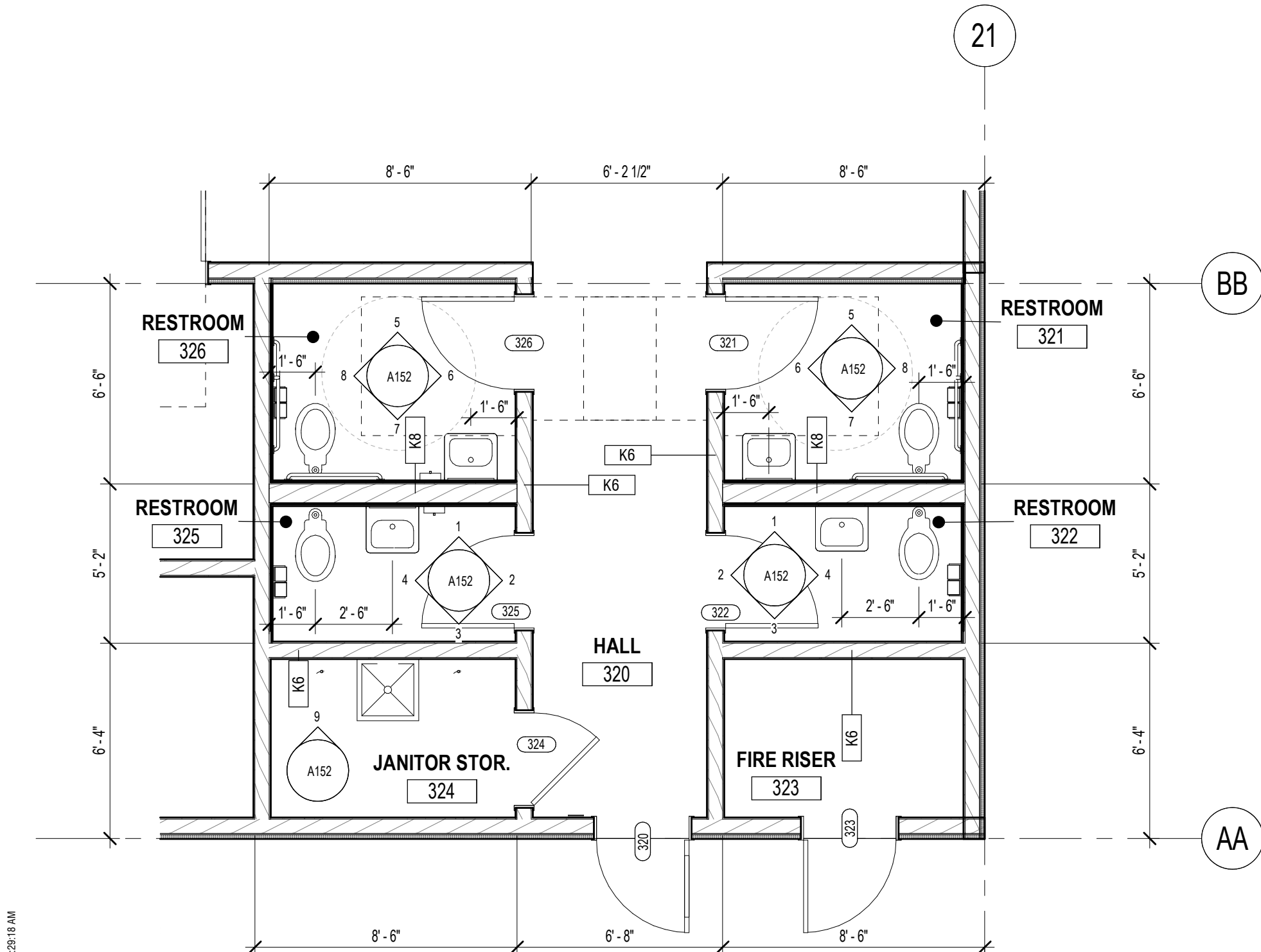
B5 | ENLARGED ROOF PLAN - PITCH ROOF AT MAIN ENTRY

Sheet Number

A132

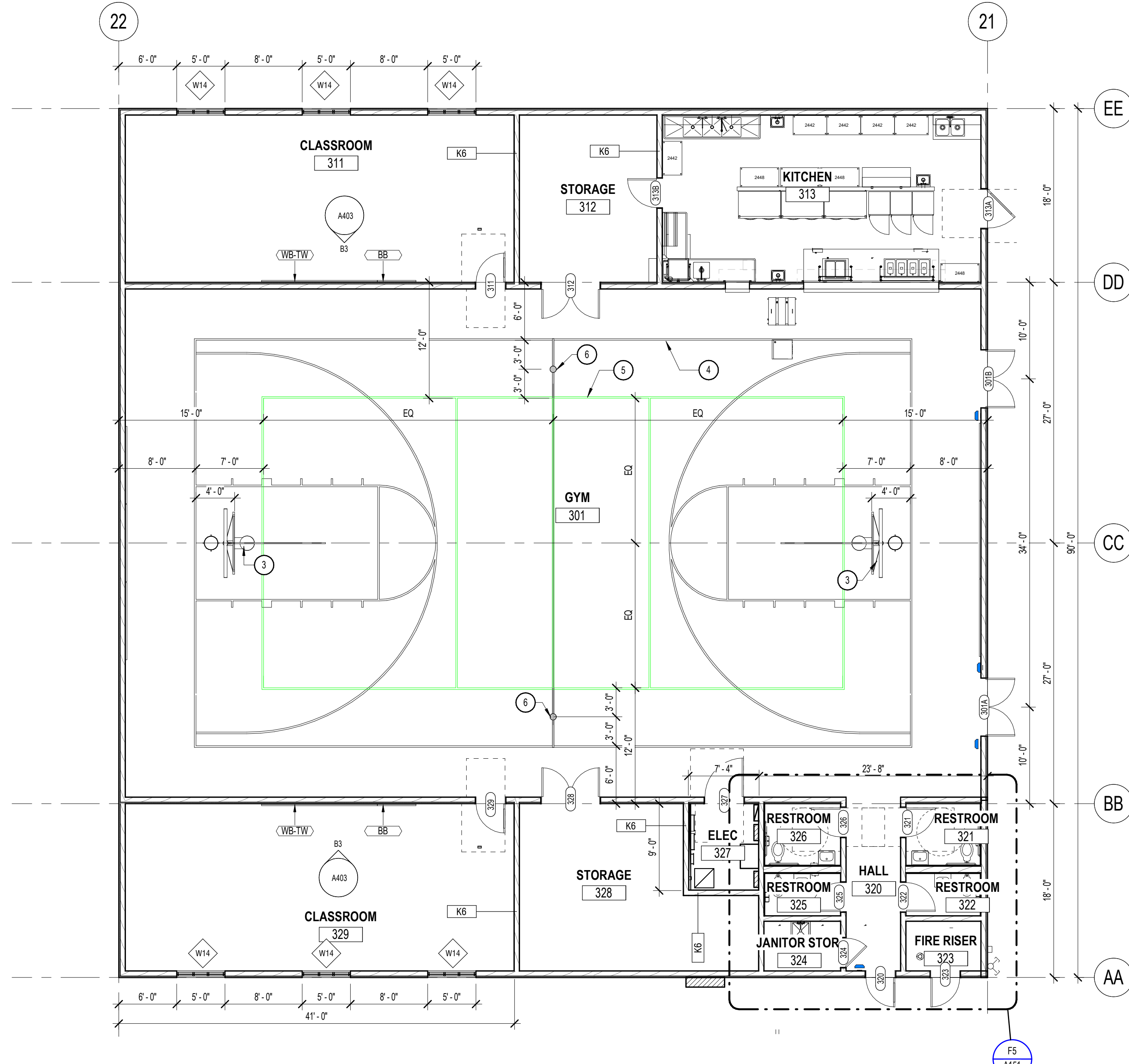


F3 POLE BARN REFLECTED CEILING PLAN
1/8" = 1'-0"

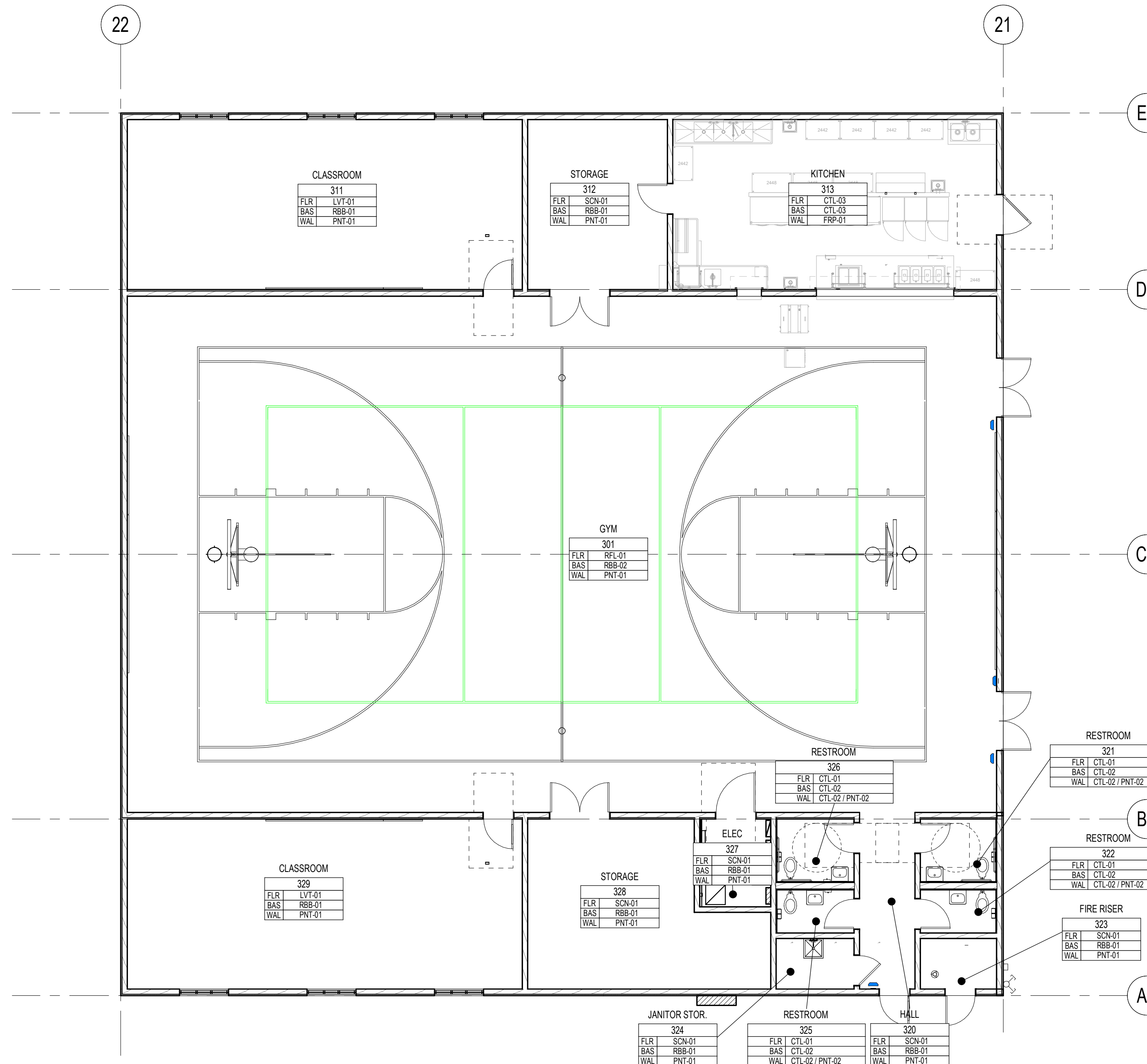


F5 POLE BARN RESTROOM CORRIDOR ENLARGED PLAN
1/4" = 1'-0"

Created by: 06/2023 12:01 PM
Original drawing: 3/21/22
Autodesk Docs: 28531 - Louisa May Alcott Community School (2022) - Louisa May Alcott Community School - R2B (ARCH) r2



D3 LEVEL 1 - POLE BARN FLOOR PLAN
1/8" = 1'-0"



D5 LEVEL 1 - POLE BARN FINISH FLOOR PLAN
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
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- ALL DIMENSIONS ARE TO COLUMN CENTERLINES, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEVIATE FROM THE DOCUMENTS.
- THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
- SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
- SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES, HARDWARE, ETC.
- FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE 'G' SHEETS.
- ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
- SEE WALL TYPE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
- HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- ANY COLUMN FURRING TO BE TIGHT TO COLUMN UNDO.
- ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
- IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A DETAIL SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT ORDERS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
- BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
- CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED.
- COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
- THE FURNITURE AND OTHER F.F.E. SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ELECTRICAL OUTLETS AND OTHER NEEDS WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
- THE ELEVATOR AND SHAFT SHOWN IN DOCUMENTS IS BASED ON THE THYSSSENKRUPP ENDURA 2-STAGE SERIES 3500 HYDRAULIC ELEVATOR. SHAFT AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

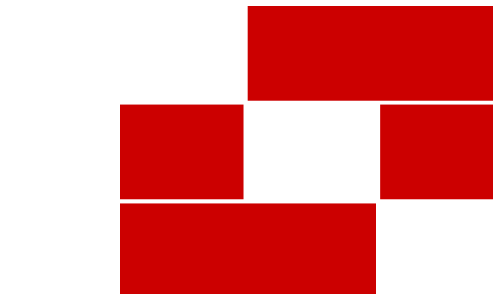
FIRE RATING LEGEND

- NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.
- EXISTING CONSTRUCTION
 - NON RATED
 - NON RATED SMOKE PARTITION (IBC 710)
 - 1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- MOTORIZED TRUSS-MOUNTED BASKETBALL HOOP. COORDINATE WALL OFFSET WITH FLOOR PLAN. MOUNTING HEIGHT PER SPECIFICATIONS.
- MAIN BASKETBALL PAINTED BOUNDARY LINES (BLACK)
- VOLLEYBALL PAINTED BOUNDARY LINES (GREEN)
- VOLLEYBALL NET POST SLEEVE RECESSED INTO SLAB.
- LIGHT FIXTURE. COORDINATE WITH ELECTRICAL
- FOLDING BACKSTOP.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

**LOUISA MAY ALCOTT
COMMUNITY SCHOOL**

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

Revisions

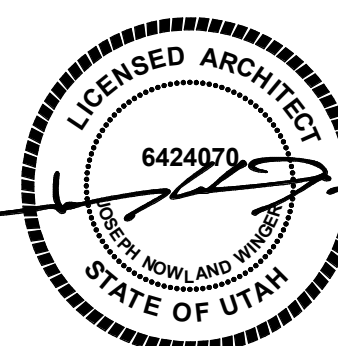
Num.	Description	Date

Project Number 28531
Original Issue 09/04/2026
Project Status Permit & Bid Set

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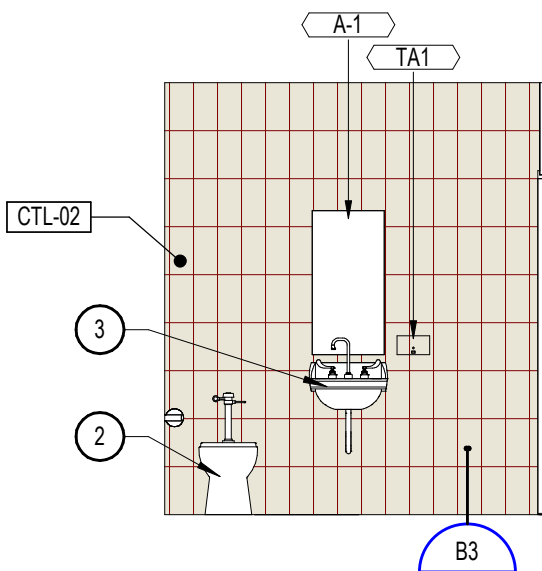
**LEVEL 1 POLE BARN
FLOOR PLAN**

Sheet Number

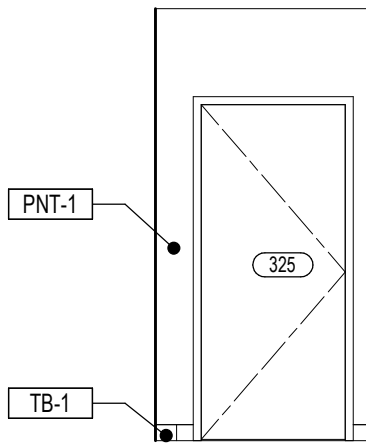
A151

POLE BARN ROOM FINISH SCHEDULE					
#	NAME	FLOOR FINISH	BASE FINISH	CEILING FINISH	COMMENTS
LEVEL 1					
301	GYM	RFL-01	RBB-02	O.T.S.	
311	CLASSROOM	LVT-01	RBB-01	ACT-2	
312	STORAGE	SCN-01	RBB-01	O.T.S.	
313	KITCHEN	CTL-03	CTL-03	ACT-3	
320	HALL	SCN-01	RBB-01	ACT-3	
321	RESTROOM	CTL-01	CTL-02	GB-1	
322	RESTROOM	CTL-01	CTL-02	GB-1	
323	FIRE RISER	SCN-01	RBB-01	O.T.S.	
324	JANITOR STOR.	SCN-01	RBB-01	O.T.S.	
325	RESTROOM	CTL-01	CTL-02	GB-1	
326	RESTROOM	CTL-01	CTL-02	GB-1	
327	ELEC	SCN-01	RBB-01	O.T.S.	
328	STORAGE	SCN-01	RBB-01	O.T.S.	
329	CLASSROOM	LVT-01	RBB-01	ACT-2	

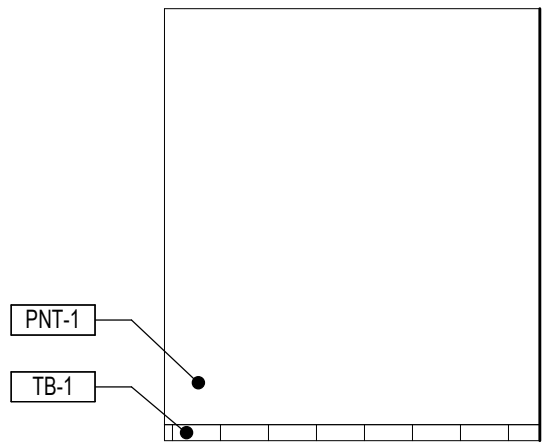
DOOR AND FRAME SCHEDULE POLE BARN																	
IDENTIFICATION		DIMENSIONS			PANEL					FRAME			FIRE RATING	HARDWARE		COMMENTS	DOOR #
DOOR #	ROOM NAME				NO. OF PANELS	TYPE	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL	FINISH		HARDWARE SET	ELECTRICAL		
		W	H	T													
LEVEL 1																	
301A	GYM	6'-0"	7'-0"	0'-1 3/4"	2	AW/AV	AL	AL-01	-	1	AL	AL-01				CR, PANIC	301A
301B	GYM	6'-0"	7'-0"	0'-1 3/4"	2	AW/AV	AL	AL-01	-	1	AL	AL-01				CR, PANIC	301B
311	CLASSROOM	3'-0"	7'-0"	0'-1 3/4"	1	G	WD	WD-01	GL-1TS	1	HM	PNT-05					311
312	STORAGE	6'-0"	7'-0"	0'-1 3/4"	2	F/F	WD	WD-01	-	1	HM	PNT-05					312
313A	KITCHEN	4'-0"	7'-0"	0'-1 3/4"	1	F	HM	PNT-05	GL-1TS	1	HM	PNT-05				CR	313A
313B	STORAGE	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					313B
313C	KITCHEN	14'-0"	5'-0"	0'-0 1/2"		CD-NR											313C
313D	KITCHEN	2'-6"	5'-0"	0'-0 1/2"		CD-NR											313D
320	HALL	3'-0"	7'-0"	0'-1 3/4"	1	G	HM	PNT-05	GL-1TS	1	HM	PNT-05				CR, PANIC	320
321	HALL	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					321
322	HALL	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					322
323	FIRE RISER	3'-0"	7'-0"	0'-1 3/4"	1	F	HM	PNT-05	-	1	HM	PNT-05					323
324	HALL	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					324
325	HALL	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					325
326	HALL	3'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					326
327	GYM	4'-0"	7'-0"	0'-1 3/4"	1	F	WD	WD-01	-	1	HM	PNT-05					327
328	STORAGE	6'-0"	7'-0"	0'-1 3/4"	2	F/F	WD	WD-01	-	1	HM	PNT-05					328
329	GYM	3'-0"	7'-0"	0'-1 3/4"	1	G	WD	WD-01	GL-1TS	1	HM	PNT-05					329



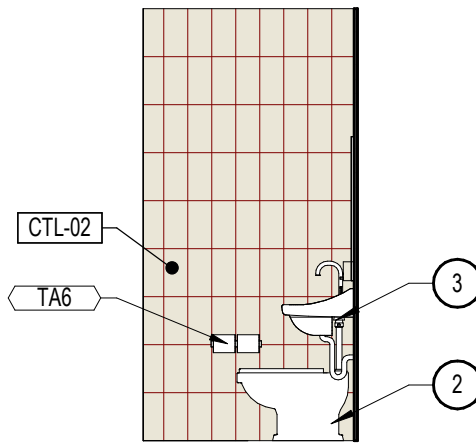
1 POLE BARN TYPICAL RESTROOM - 1
14' x 11'0"



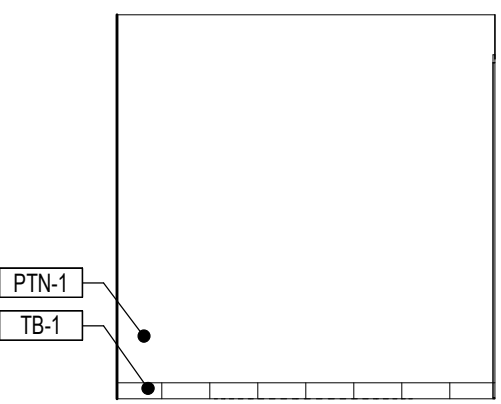
2 POLE BARN TYPICAL RESTROOM - 2
14' x 11'0"



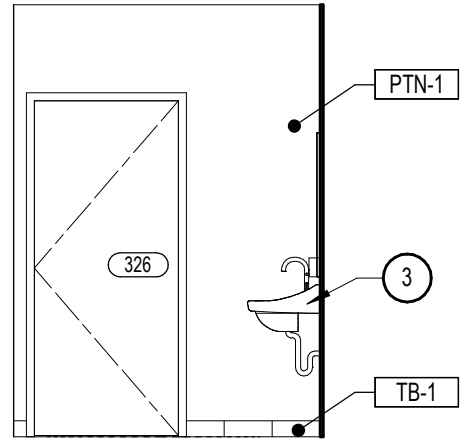
3 POLE BARN TYPICAL RESTROOM - 3
14' x 11'0"



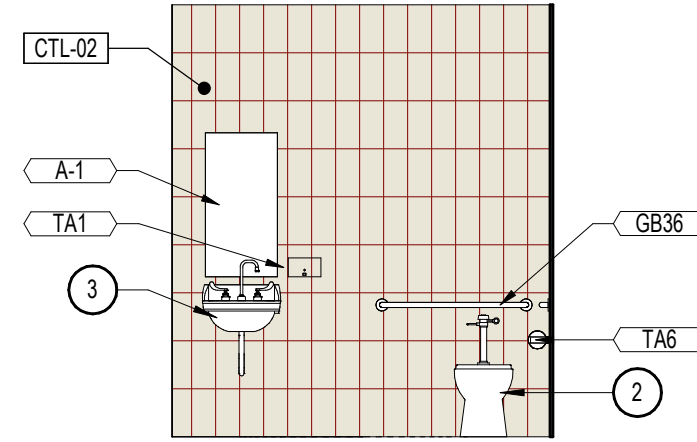
4 POLE BARN TYPICAL RESTROOM - 4
14' x 11'0"



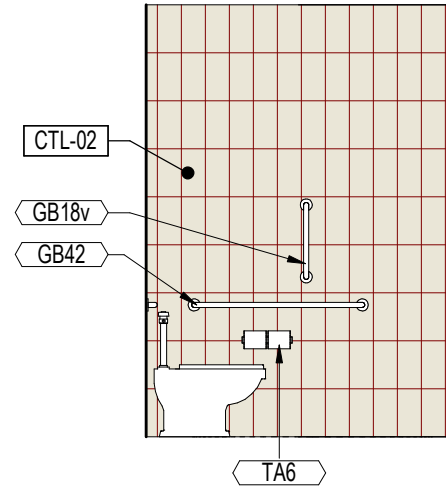
5 POLE BARN TYPICAL ADA RESTROOM - 1
14' x 11'0"



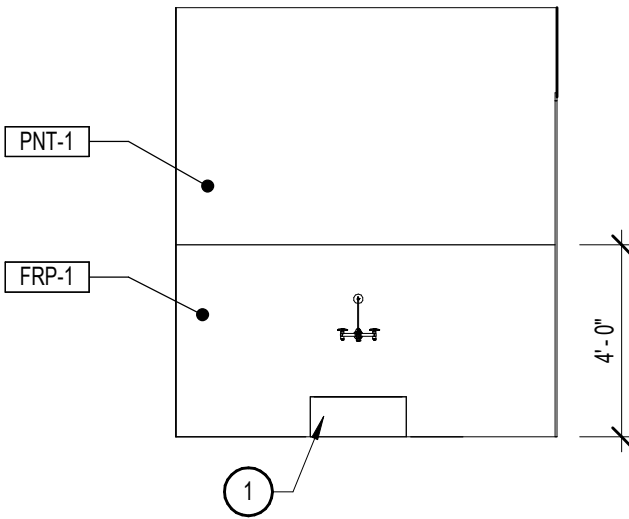
6 POLE BARN TYPICAL ADA RESTROOM - 2
14' x 11'0"



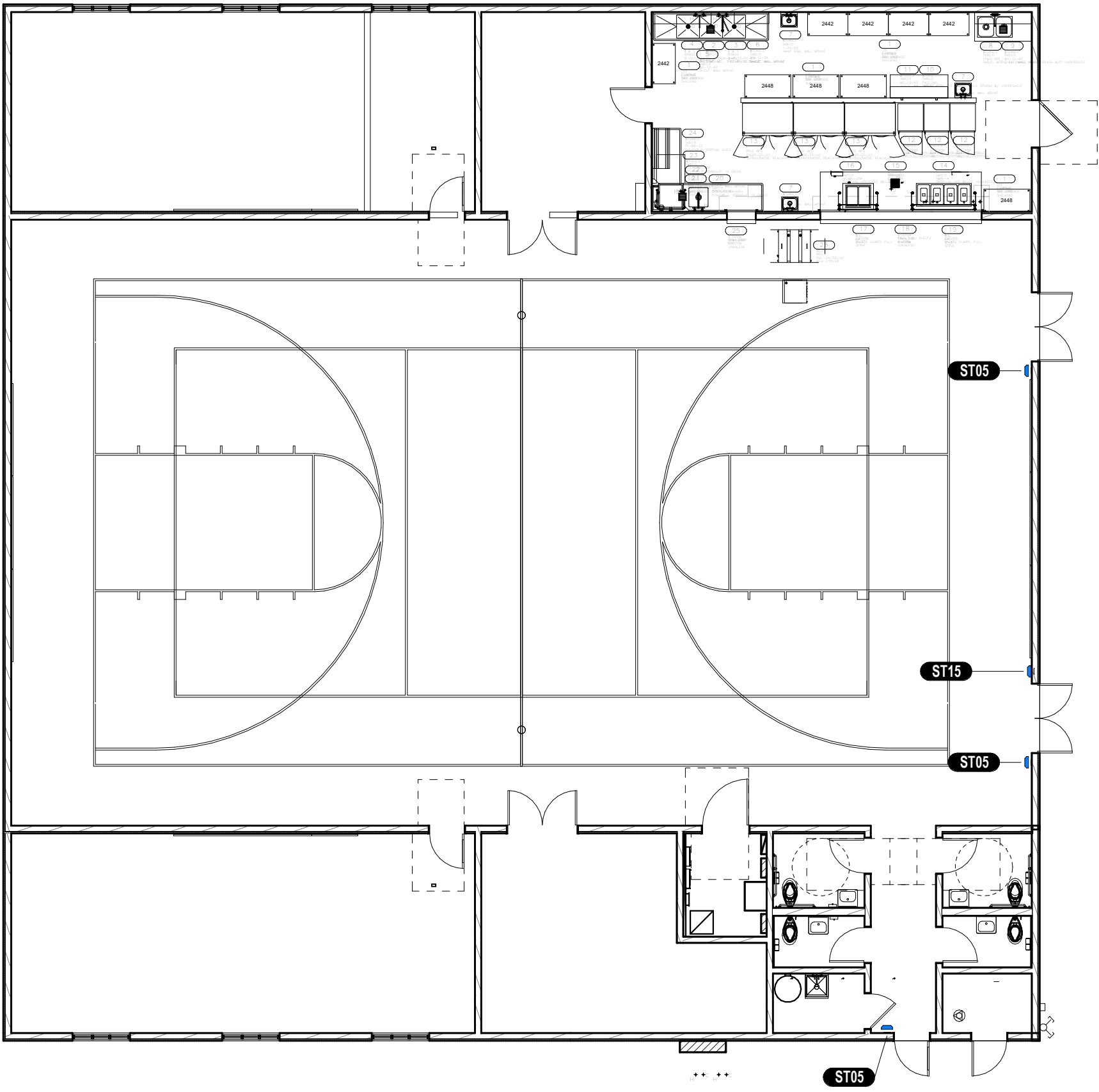
7 POLE BARN TYPICAL ADA RESTROOM - 3
14' x 11'0"



8 POLE BARN TYPICAL ADA RESTROOM - 4
14' x 11'0"



9 JANITOR STOR. 324 - NORTH
14' x 11'0"



10 LEVEL 1 - POLE BARN INTERIOR SIGNAGE PLAN
132' x 11'0"

FLOOR PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEVIATE FROM THE DOCUMENTS.
- THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
- SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
- SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES, HARDWARE, ETC.
- FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE 'G' SHEETS.
- ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
- SEE WALL TYPE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
- HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- ANY COLUMN FURRING TO BE TIGHT TO COLUMN UNDO.
- ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
- IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A DETAIL SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT ORDERS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
- BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
- CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED.
- COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
- THE FURNITURE AND OTHER F.F.E. SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ELECTRICAL OUTLETS AND OTHER NEEDS WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
- THE ELEVATOR AND SHAFT SHOWN IN DOCUMENTS IS BASED ON THE THYSENKRUPP ENDURA 2-STAGE SERIES 3500 HYDRAULIC ELEVATOR. SHAFT AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

FIRE RATING LEGEND

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.

	EXISTING CONSTRUCTION
	NON RATED
	NON RATED SMOKE PARTITION (IBC 710)
	1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

SHEET NOTES

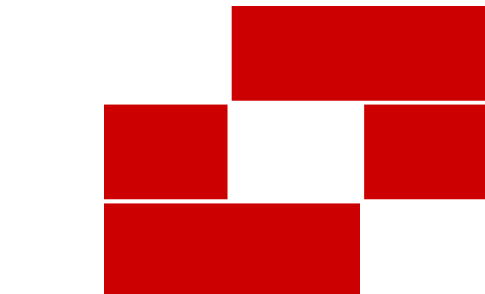
NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- JANITOR SINK, COORDINATE WITH MECHANICAL
- TOILET, COORDINATE WITH MECHANICAL
- SINK, COORDINATE WITH MECHANICAL

8

ACCESSORY SCHEDULE

MARK	DESCRIPTION	RESPONSIBILITY
A-1	MIRROR	C.F.C.I.
BB	BULLETIN BOARD	C.F.C.I.
GB16	GRAB BAR - 16" MOUNTED VERTICAL	C.F.C.I.
GB36	GRAB BAR - 36"	C.F.C.I.
GB42	GRAB BAR - 42"	C.F.C.I.
TA1	SOAP DISPENSER - LIQUID	C.F.C.I.
TAB	TOILET TISSUE DISPENSER (DOUBLE)	C.F.C.I.
WB-TW	4X12 WHITE BOARD	C.F.C.I.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

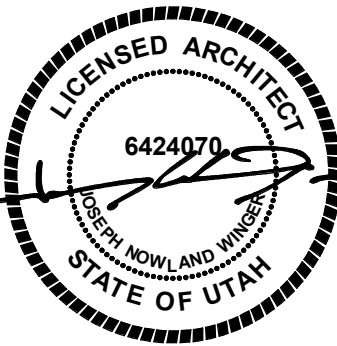
Num. Description Date

Project Number 28526
Original Issue 09.04.2026
Project Status Permit & Bid Set

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Stamp

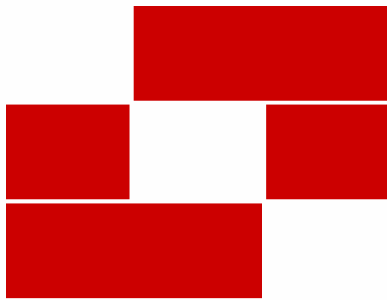


Sheet Title

POLE BARN INTERIOR
ELEVATIONS &
SCHEDULES

Sheet Number

A152



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

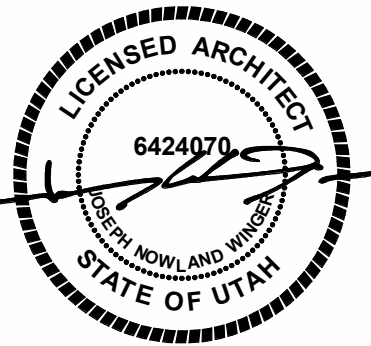
Revisions

Num.	Description	Date
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Project Number 28526
Original Issue 09/04/2026
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Sheet Title

**EXTERIOR
ELEVATIONS**

Sheet Number

A201

EXTERIOR MATERIALS SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	COLOR	SIZE	FINISH
CMU-1	CONCRETE MASONRY UNIT	SEE SPEC	STANDARD GRAY	8X16M4	SMOOTH - PAINTED WHITE
E-1	EIFS - COLOR 1	DRVIT	WHITE	--	SMOOTH
E-2	EIFS - COLOR 2	DRVIT	GRAY	--	SMOOTH
EC-1	EXPOSED CONCRETE	N/A	--	--	--
FC-1	FIBER CEMENT PANEL	HARDIE-BOARD	PAINTED WHITE	SEE SPECS	BOARD & BATTEN W WOOD GRAIN PATTERN
FC-2	FIBER CEMENT TRIM	HARDIE-BOARD	PAINTED WHITE	SEE ELEVATIONS & DETAILS	WOOD GRAIN PATTERN
GL-1	1" INSULATED - LOW E - CLEAR GLASS	PPG SOLARBAN 70	CLEAR	--	T - TEMPERED; S - SECURITY
GL-4	1/4" CLEAR GLASS	PPG	CLEAR	--	T - TEMPERED; S - SECURITY
MC-1	PREFINISHED PARAPET CAP	MBC	MIDNIGHT BRONZE	SEE DETAILS	--
MP-1	PREFINISHED METAL PANEL	MBC	MIDNIGHT BRONZE	12"	FLAT PANEL
RAS-1	ASPHALT ROOFING SHINGLE	GAF TIMBERLINE AS II	CHARCOAL	--	--
RSS-1	STANDING SEAM METAL ROOF	PER CUPOLA MFR	MIDNIGHT BRONZE	--	--

EXTERIOR ELEVATION GENERAL NOTES

REFER TO THE MATERIAL AND FINISH SCHEDULES ON SHEET A651 FOR FURTHER INFORMATION.

CONTRACTOR TO LEAVE A 1/2" GAP BETWEEN ALL DISSIMILAR MATERIAL TYP. TO BE FILLED WITH BACKER ROD AND SEALANT. COLOR AS SELECTED.

ALL EXPOSED EXTERIOR STEEL TO BE PAINTED (I.E. LINTELS, ETC.).

CONTRACTOR TO PAINT ALL VENT PIPES, EXHAUST FANS AND OTHER ROOF EQUIPMENT AND PENETRATIONS THAT ARE VISIBLE FROM THE SURROUNDING BUILDING'S STREET FRONTAGE.

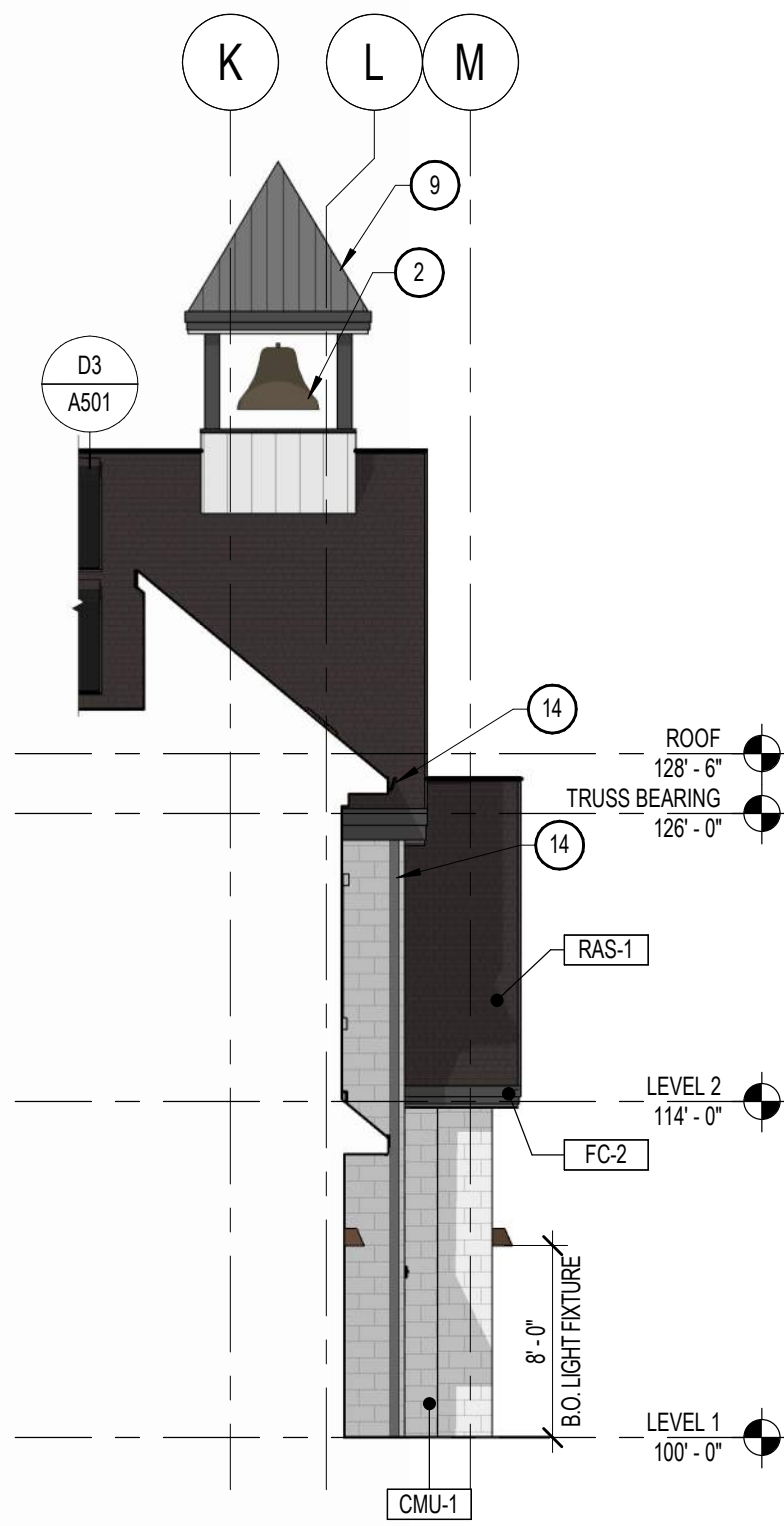
SEE ELECTRICAL DRAWINGS FOR EXTERIOR POWER LOCATIONS, LIGHTING, HORN STROBES, CARD READERS, ETC.

SEE PLUMBING DRAWINGS FOR DOWNSPOUT NOZZLE, HOSE BIB, AND FDC CONNECTION LOCATIONS, ETC.

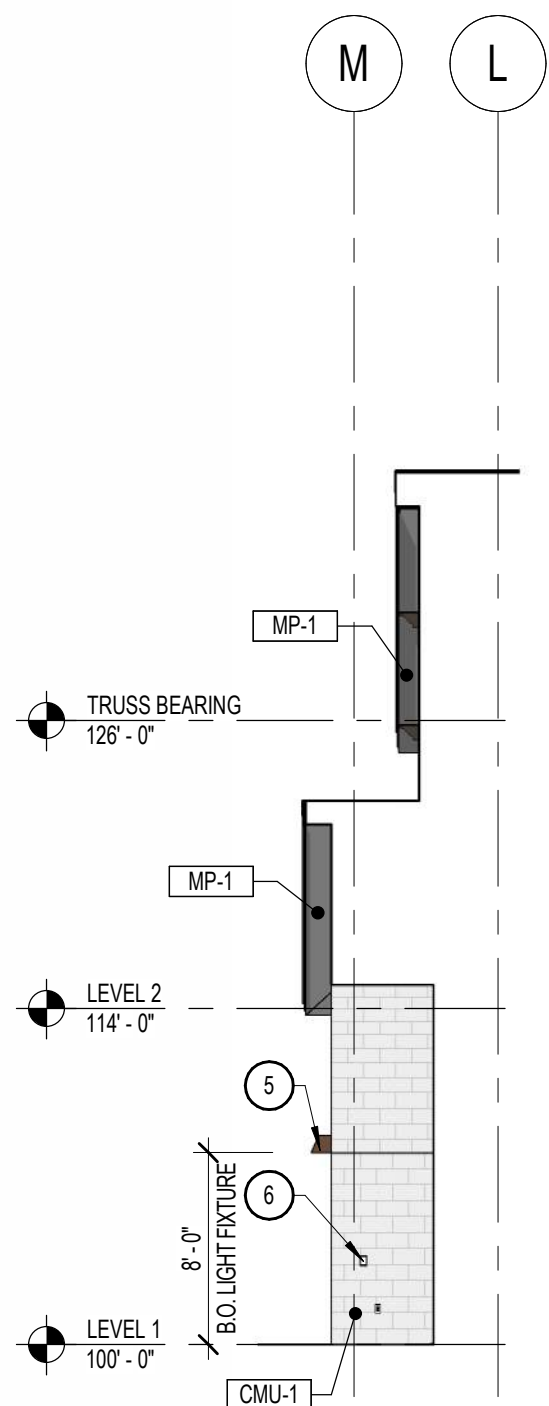
SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

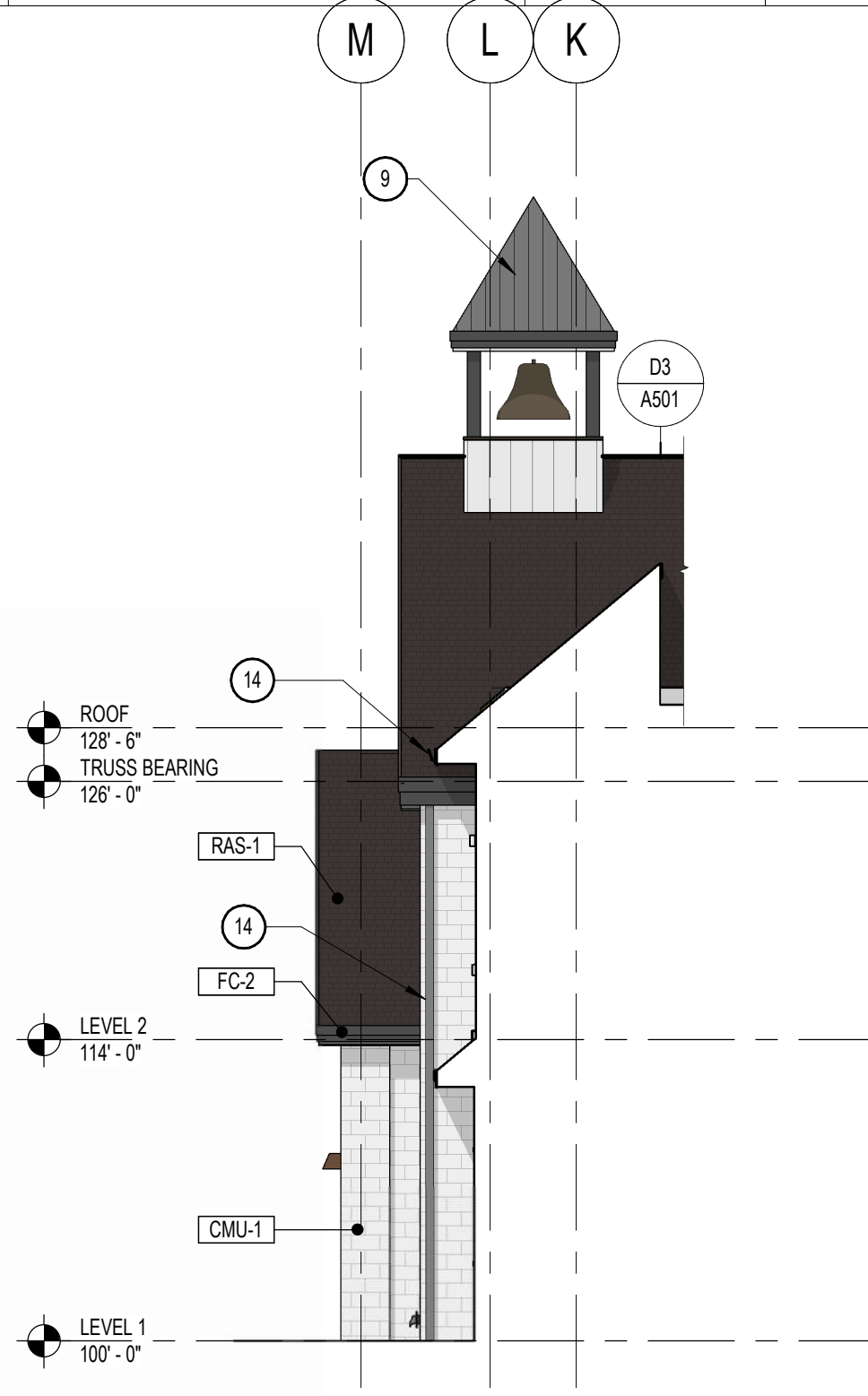
- ROOFTOP PHOTOVOLTAIC SYSTEM: REFER TO ELECTRICAL DRAWINGS FOR SYSTEM REQUIREMENTS AND PERFORMANCE CRITERIA.
- BELL REFER TO PROJECT SPECIFICATIONS FOR PRODUCT REQUIREMENTS.
- 3/4" V-GROOVE REVEAL.
- GAS METER, COORDINATE WITH MECHANICAL.
- LIGHT FIXTURE, COORDINATE WITH ELECTRICAL.
- CARD ACCESS READER, COORDINATE WITH ELECTRICAL.
- WALL MOUNTED EXTERIOR FIRE ALARM: REFER TO ELECTRICAL DRAWINGS FOR DETAILS AND SYSTEM REQUIREMENTS.
- PRE-FINISHED METAL GUTTER AND DOWNSPOUTS.
- MODIFIED PREFABRICATED CUPOLA, REFER TO STRUCTURAL DRAWINGS FOR MOUNTING DETAILING.
- ROOF DRAIN LINE, COORDINATE WITH MECHANICAL.
- ROOF TOP UNIT, COORDINATE WITH MECHANICAL.
- SURVEILLANCE CAMERAS, N.I.C.
- EXPOSED END PURLIN.
- PRE-FINISHED GUTTER AND DOWNSPOUT.



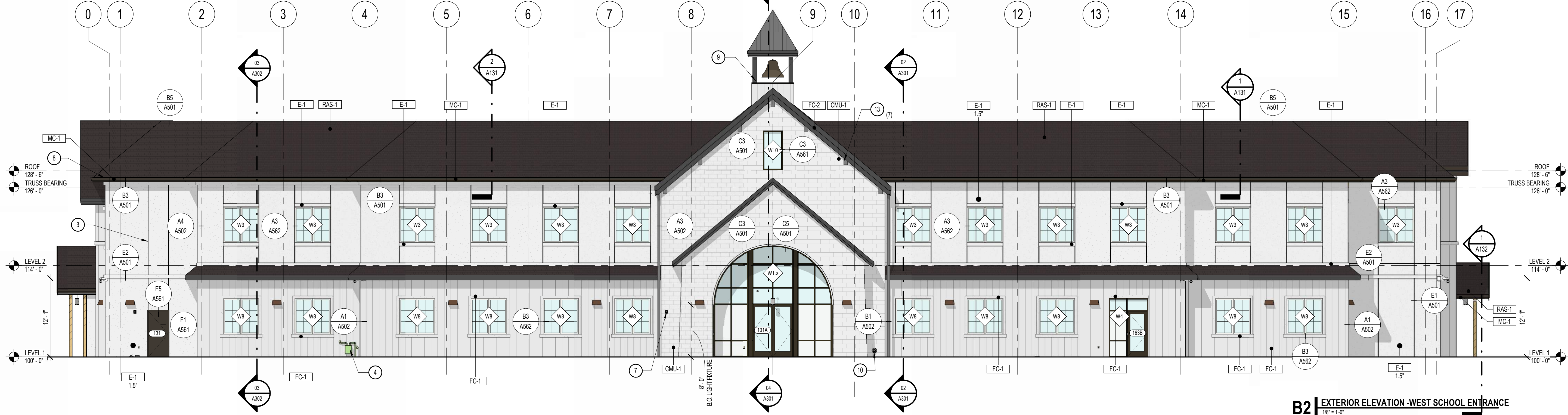
E4 | EXTERIOR ELEVATION - PRIMARY ENTRY 01
1/8" = 1'-0"



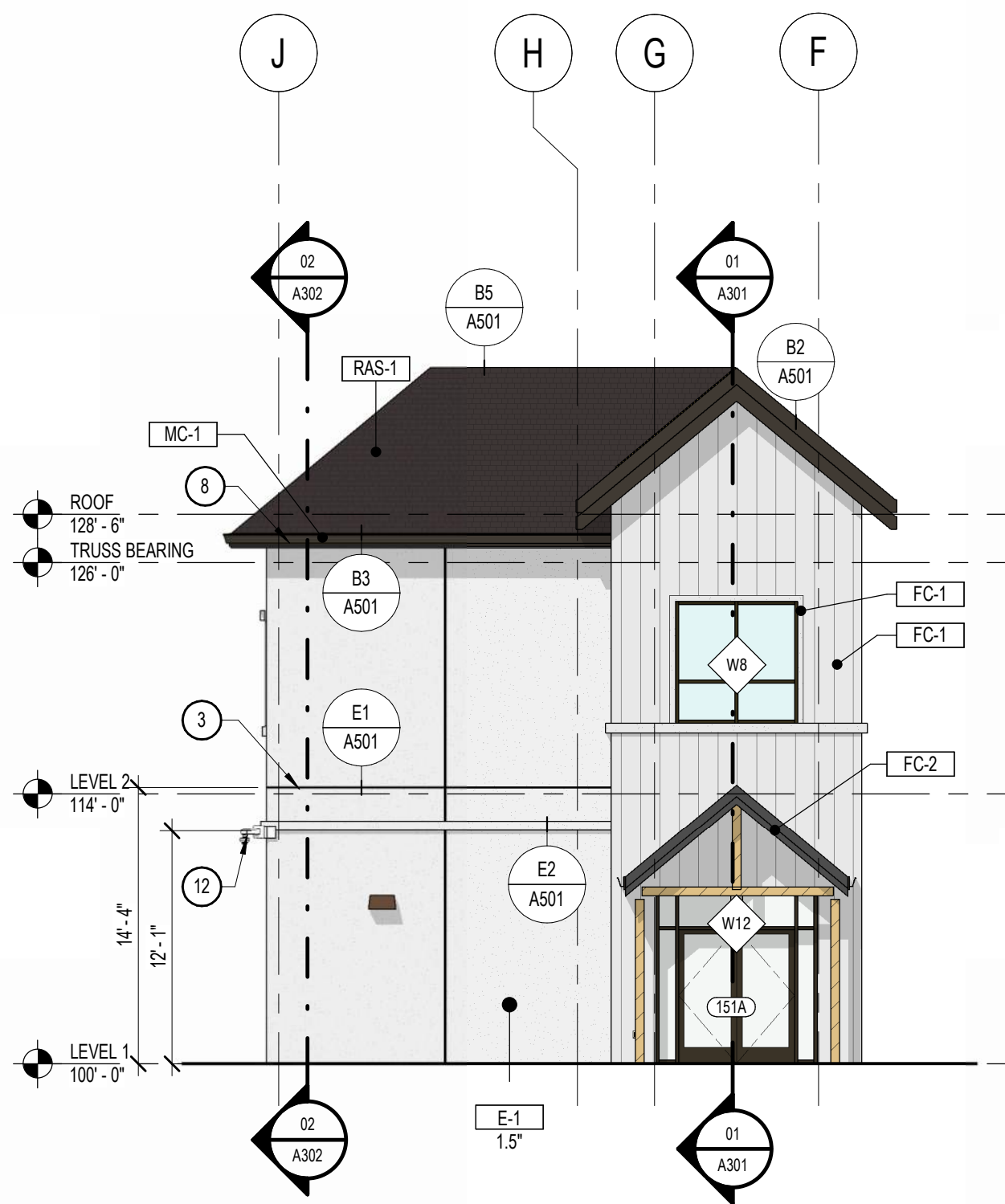
D4 | PRIMARY ENTRY - INTERIOR ELEVATION OF ARCHWAY
1/8" = 1'-0"



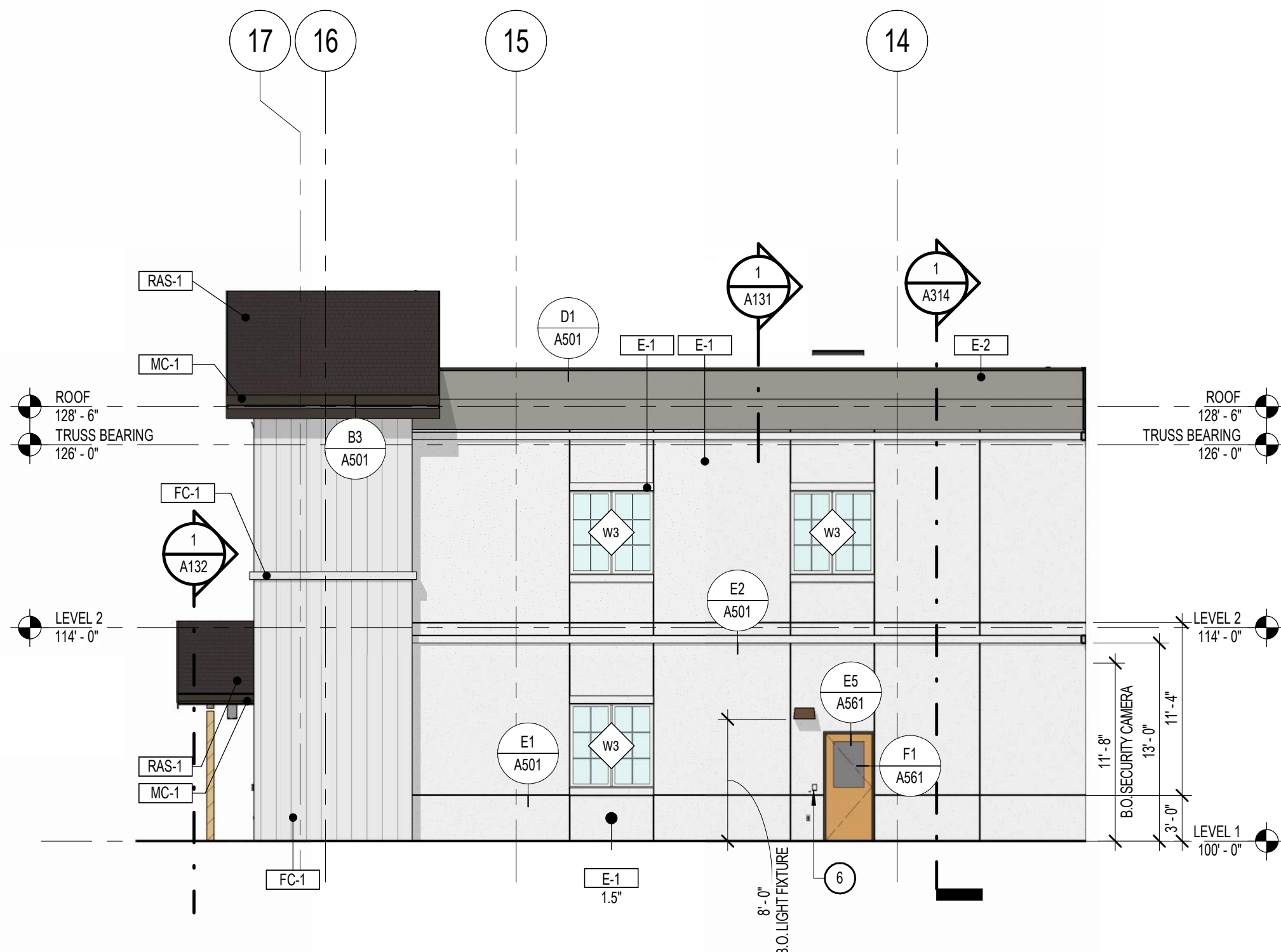
C4 | EXTERIOR ELEVATION - MAIN ENTRY WEST
1/8" = 1'-0"



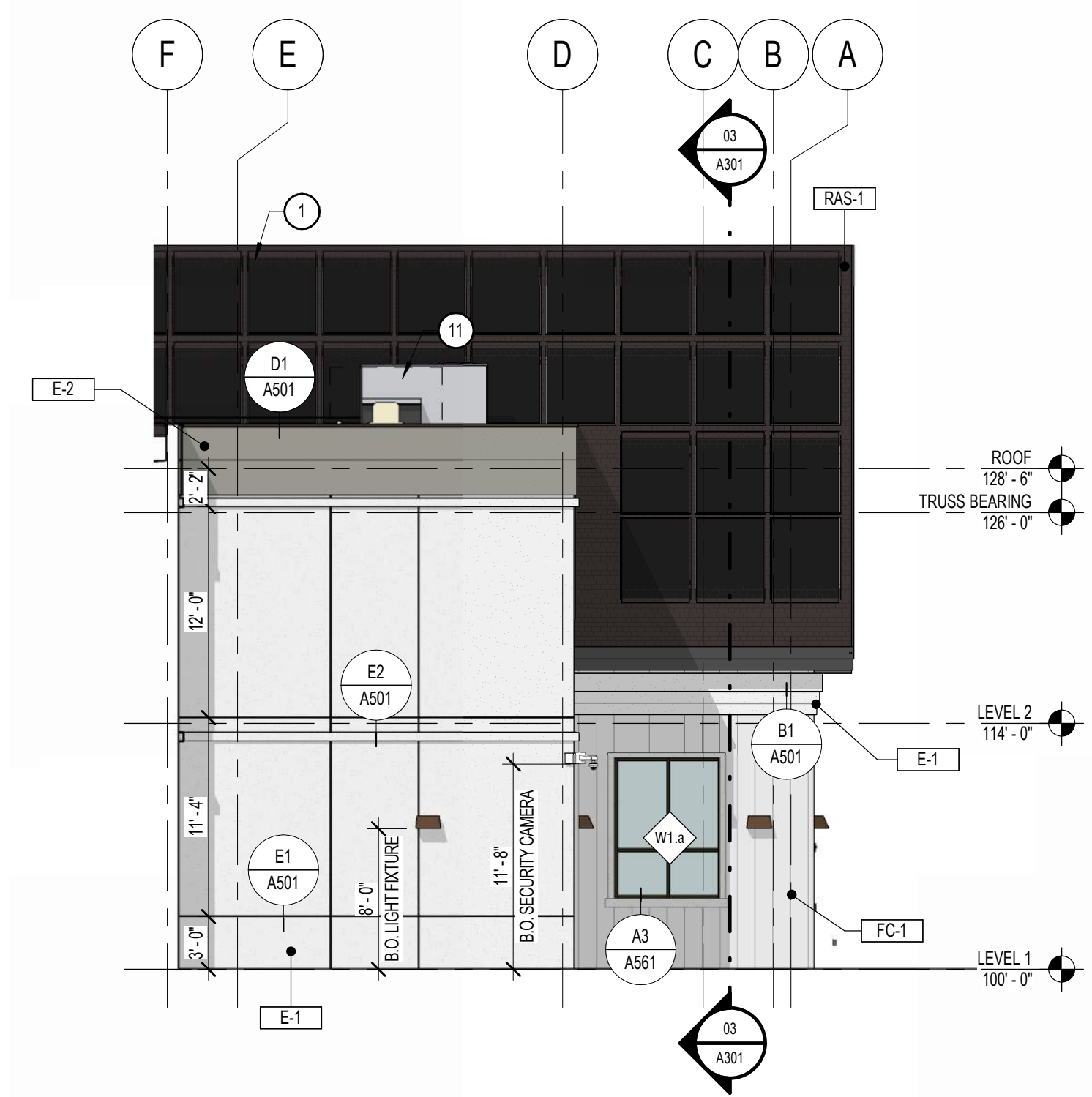
B2 | EXTERIOR ELEVATION - WEST SCHOOL ENTRANCE
1/8" = 1'-0"



E5 | EXTERIOR ELEVATION - SOUTH ENTRANCE
1/8" = 1'-0"



D5 | EXTERIOR ELEVATION - EAST CLASSROOM ELEVATION
1/8" = 1'-0"



B5 | EXTERIOR ELEVATION - SOUTH 02
1/8" = 1'-0"

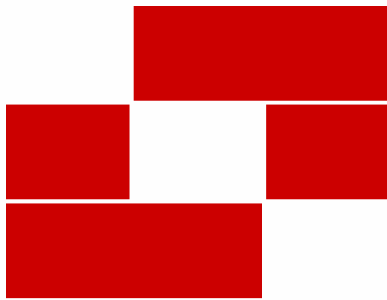
EXTERIOR MATERIALS 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EXTERIOR MATERIALS SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	COLOR	SIZE	FINISH	COMMENTS
CMA-1	CONCRETE MASONRY UNIT	SEE SPEC	STANDARD GRAY	8X16X4	SMOOTH - PAINTED WHITE	
E-1	EIFS - COLOR 1	DRVIT	WHITE	--	SMOOTH	
E-2	EIFS - COLOR 2	DRVIT	GRAY	--	SMOOTH	EIFS
EC-1	EXPOSED CONCRETE	N/A	--	--	--	
FC-1	FIBER CEMENT PANEL	HARDIE-BOARD	PAINTED WHITE	SEE SPECS	BOARD & BATTEN W WOOD GRAIN PATTERN	16" O.C. BATTEN SPACING
FC-2	FIBER CEMENT TRIM	HARDIE-BOARD	PAINTED WHITE	SEE ELEVATIONS & DETAILS	WOOD GRAIN PATTERN	
GL-1	1" INSULATED - LOW E - CLEAR GLASS	PFG SOLARBAN 70	CLEAR	--	T - TEMPERED; S - SECURITY	
GL-4	1/4" CLEAR GLASS	PFG	CLEAR	--	T - TEMPERED; S - SECURITY	
MC-1	PREFINISHED PARAPET CAP	MBCI	MIDNIGHT BRONZE	SEE DETAILS	--	
MP-1	PREFINISHED METAL PANEL	MBCI	MIDNIGHT BRONZE	12"	FLAT PANEL	ALL SOFFIT LOCATIONS
RAS-1	ASPHALT ROOFING SHINGLE	GAF TIMBERLINE AS II	CHARCOAL	--	--	
RSS-1	STANDING SEAM METAL ROOF	PER CUPOLA MFR	MIDNIGHT BRONZE	--	--	

*NOTE: STRUCTURAL AND EXTERIOR FINISHES TO BE PROVIDED BY POLE BARN MANUFACTURER

EXTERIOR ELEVATION GENERAL NOTES

- REFER TO THE MATERIAL AND FINISH SCHEDULES ON SHEET A651 FOR FURTHER INFORMATION.
- CONTRACTOR TO LEAVE A 1/2" GAP BETWEEN ALL DISSIMILAR MATERIAL TYP. TO BE FILLED WITH BACKER ROD AND SEALANT. COLOR AS SELECTED.
- ALL EXPOSED EXTERIOR STEEL TO BE PAINTED (I.E. LINTELS, ETC.).
- CONTRACTOR TO PAINT ALL VENT PIPES, EXHAUST FANS AND OTHER ROOF EQUIPMENT AND PENETRATIONS THAT ARE VISIBLE FROM THE SURROUNDING BUILDING'S STREET FRONTAGE.
- SEE ELECTRICAL DRAWINGS FOR EXTERIOR POWER LOCATIONS, LIGHTING, HORN STROBES, CARD READERS, ETC.
- SEE PLUMBING DRAWINGS FOR DOWNSPOUT NOZZLE, HOSE BIB, AND FDC CONNECTION LOCATIONS, ETC.



BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

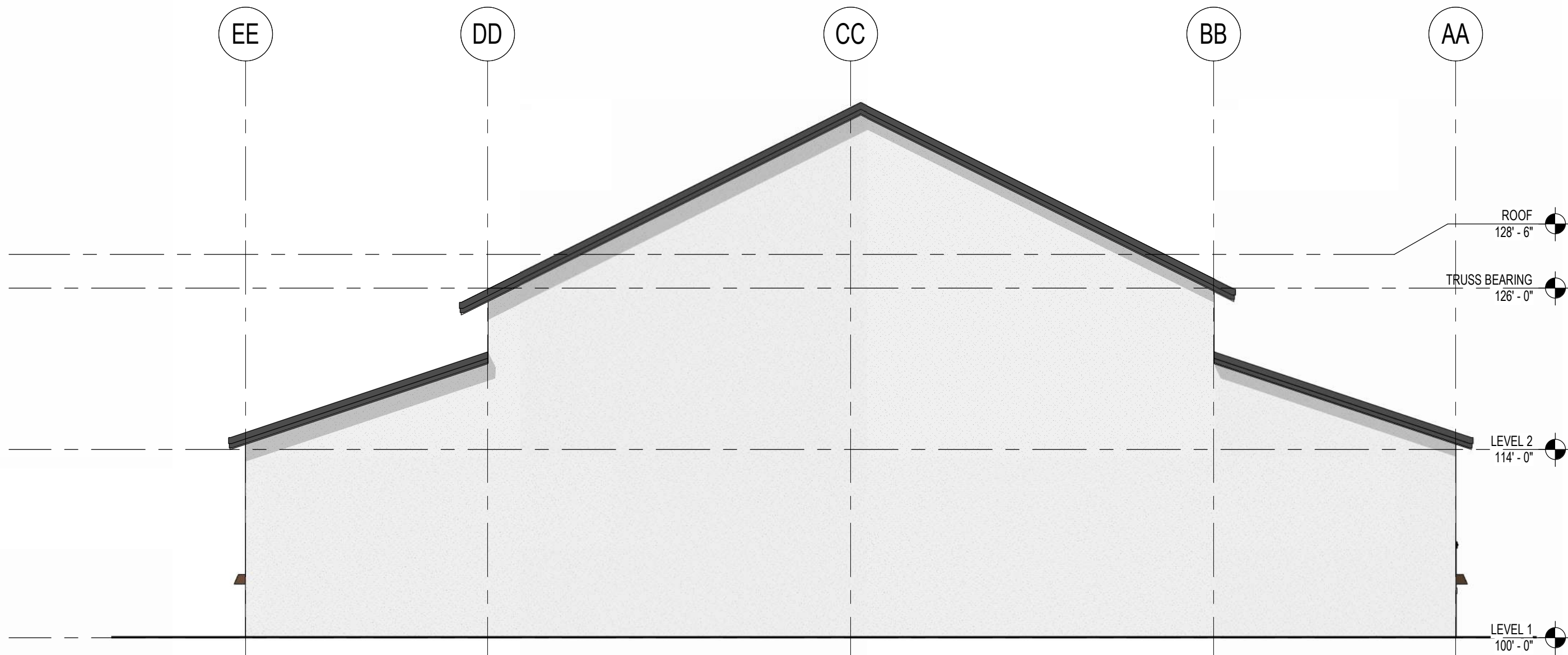
babcockdesign.com

Consultant

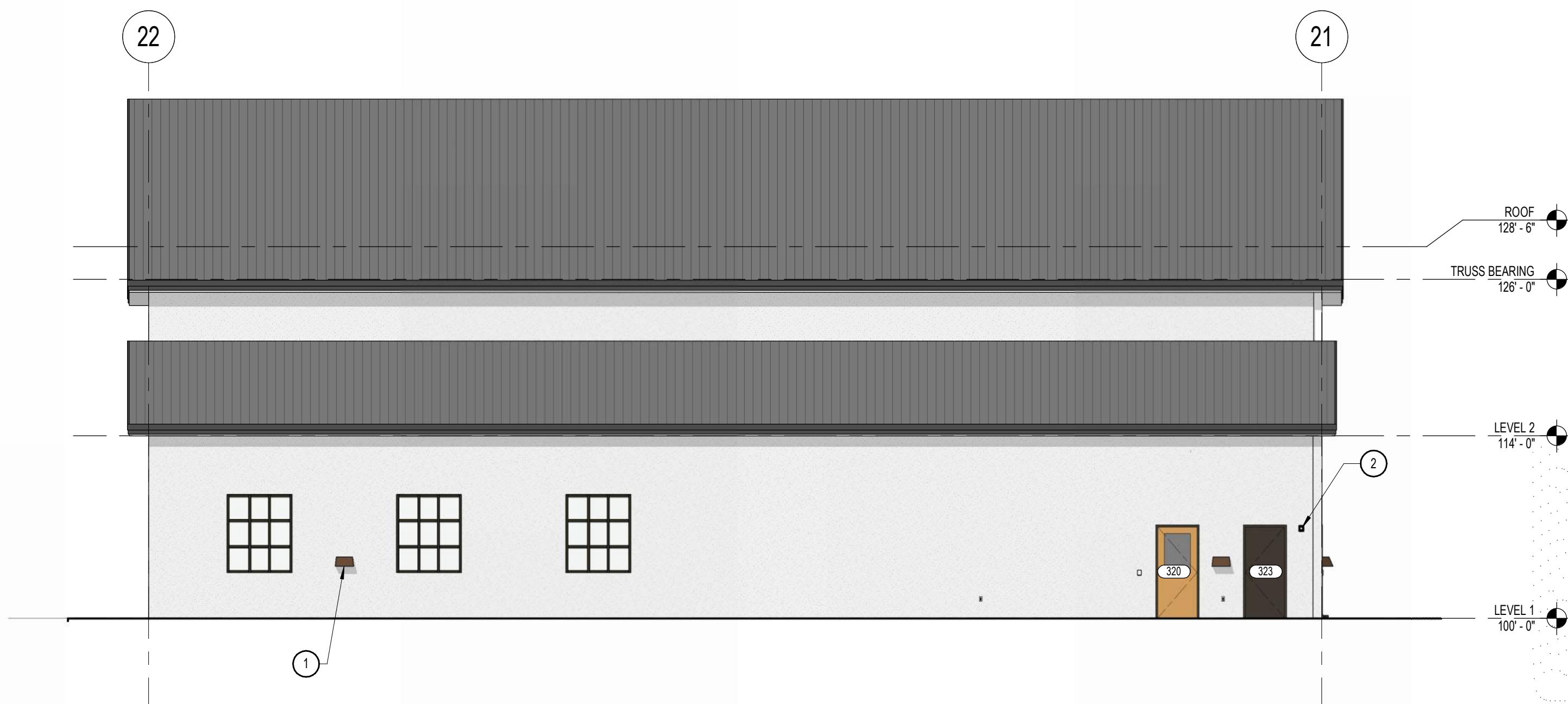
LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

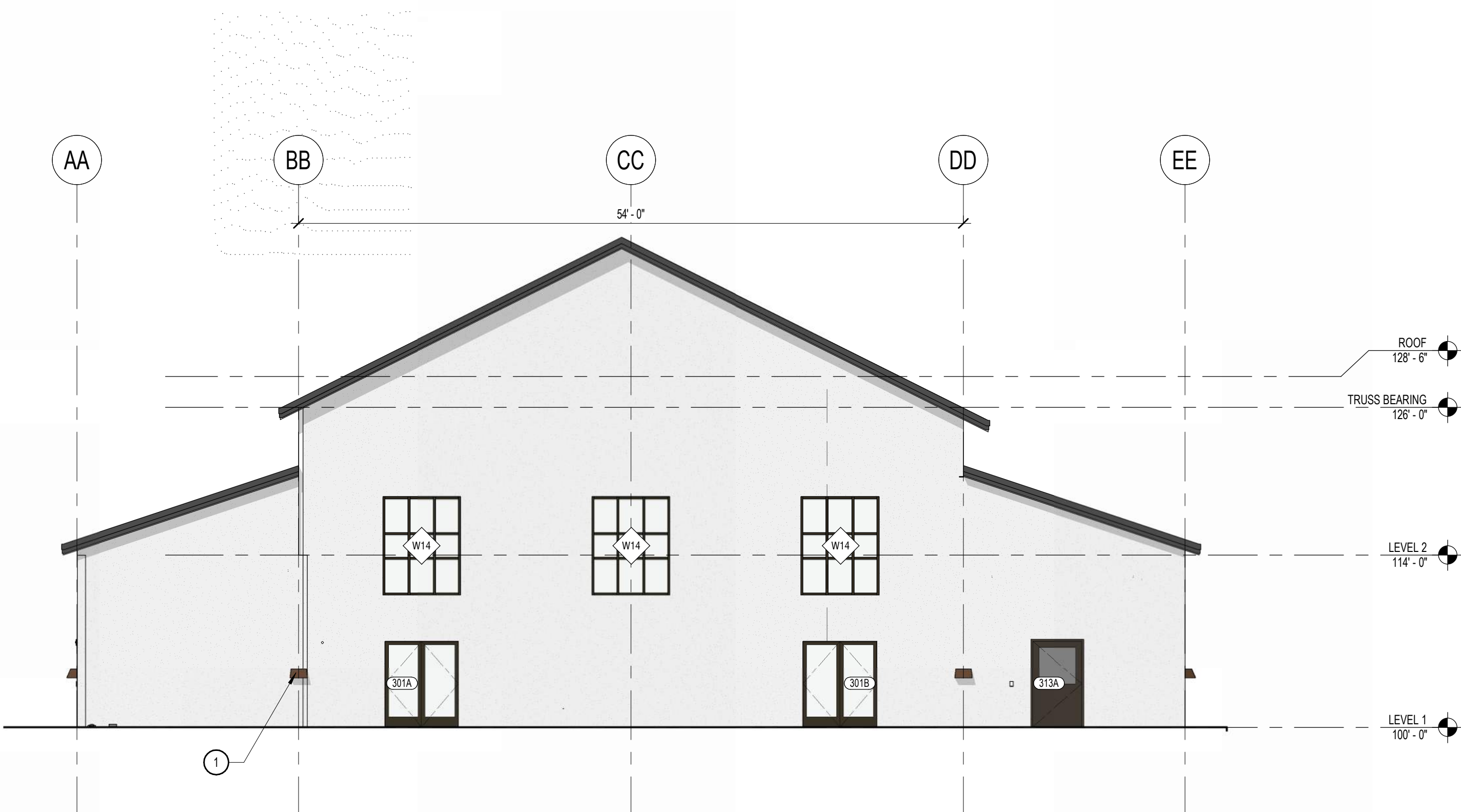
1250 E 1200 N, MAPLETON, UT 84664



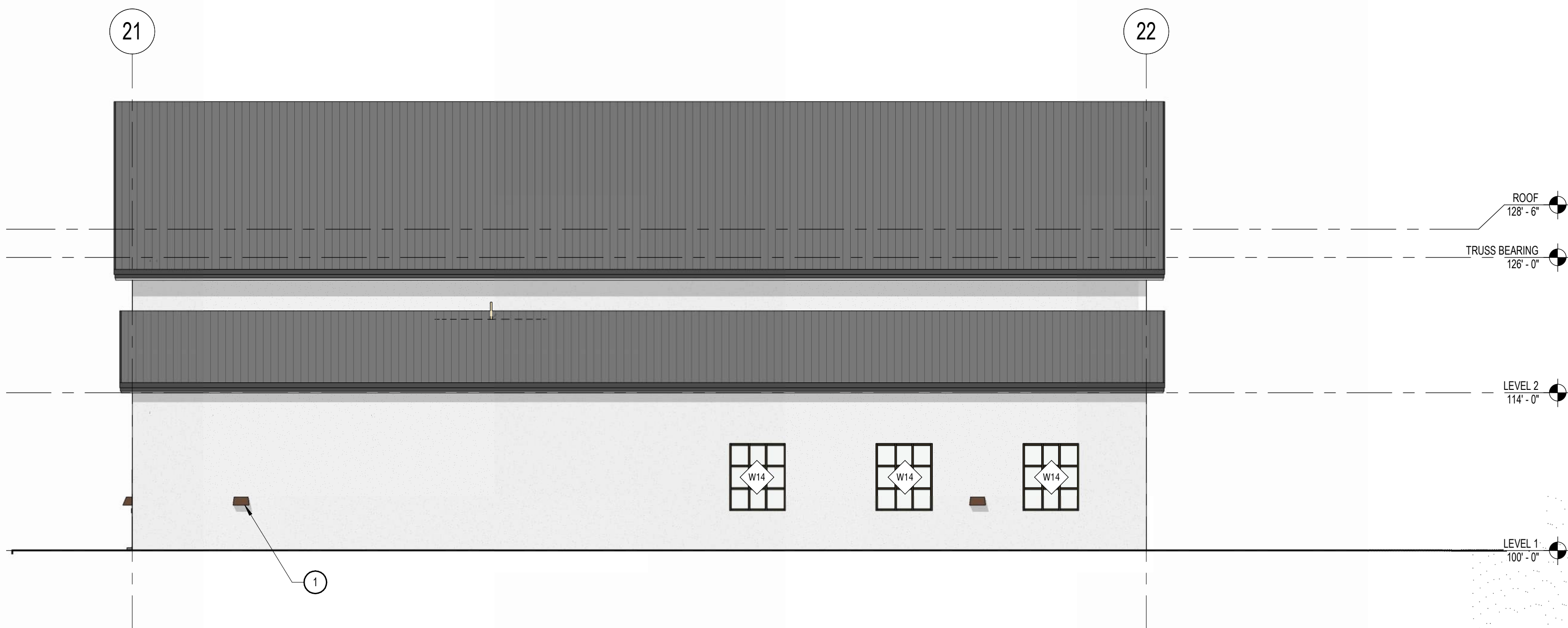
1 | EXTERIOR ELEVATION - POLE BARN GYM - 01
1/8" = 1'-0"



2 | EXTERIOR ELEVATION - POLE BARN GYM - 02
1/8" = 1'-0"



3 | EXTERIOR ELEVATION - POLE BARN GYM - 03
1/8" = 1'-0"



4 | EXTERIOR ELEVATION - POLE BARN GYM - 04
1/8" = 1'-0"

Revisions

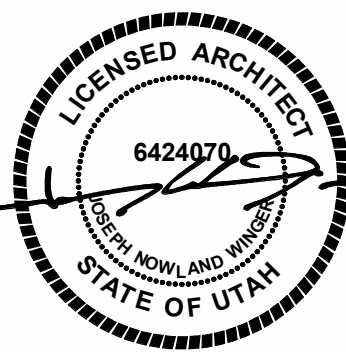
Num.	Description	Date
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Project Number 28526
Original Issue 09.04.2026
Project Status Permit & Bid Set

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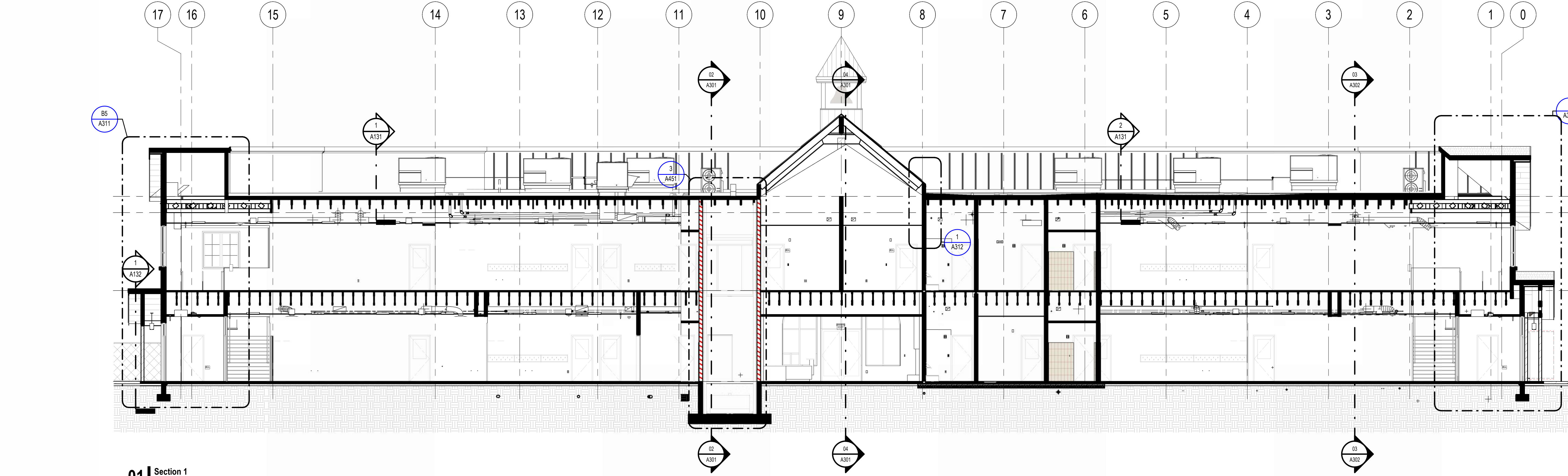


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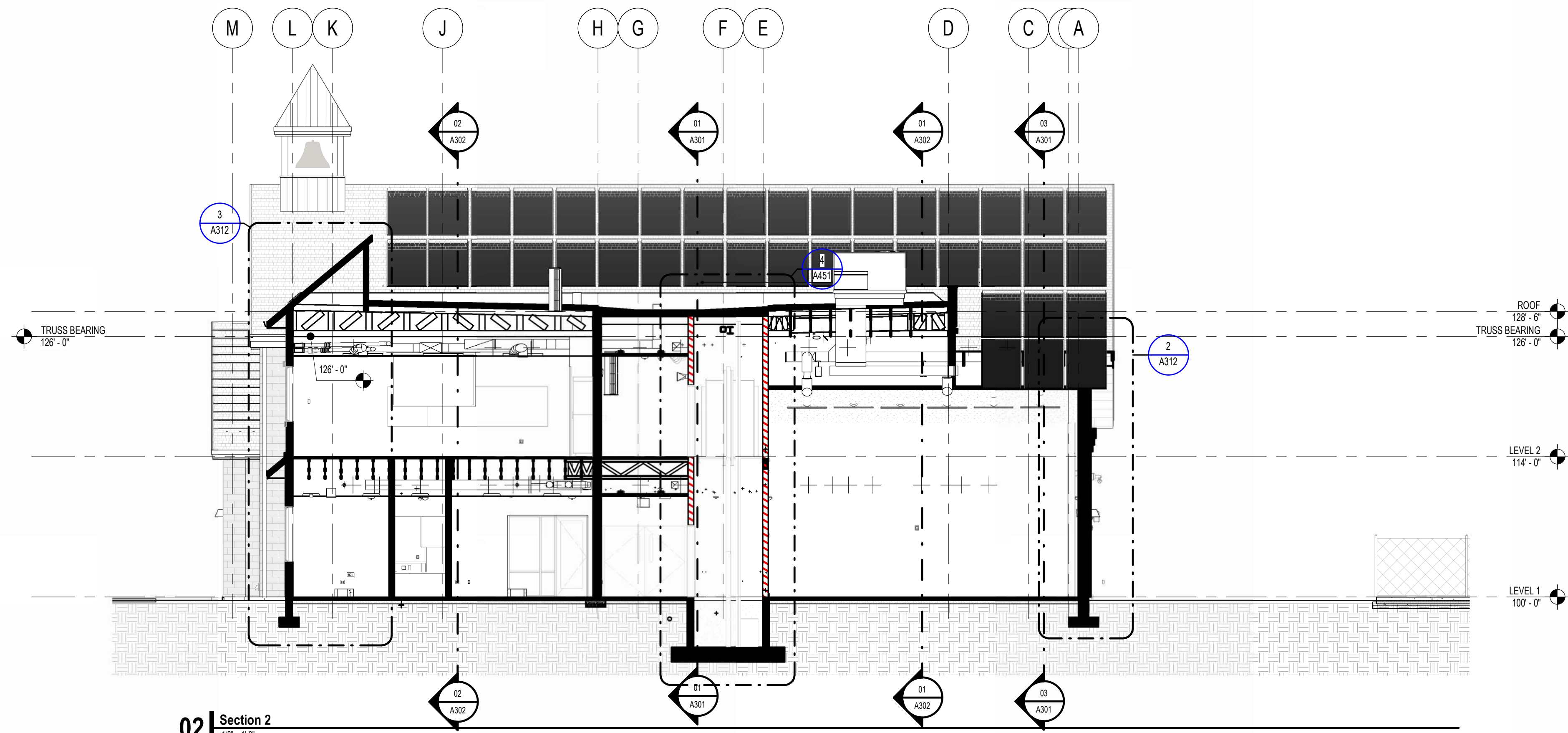
EXTERIOR
ELEVATIONS - POLE
BARN

Sheet Number

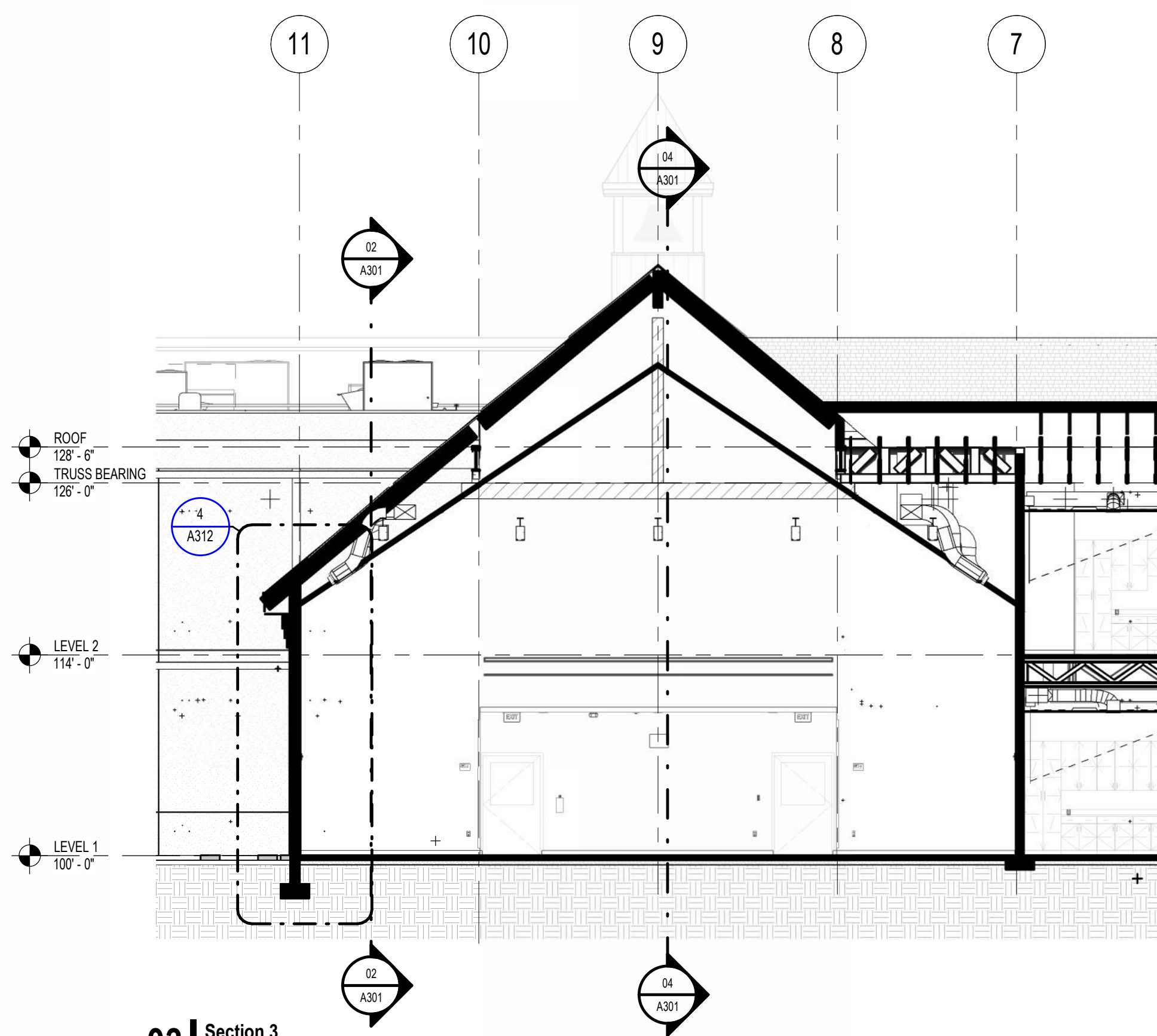
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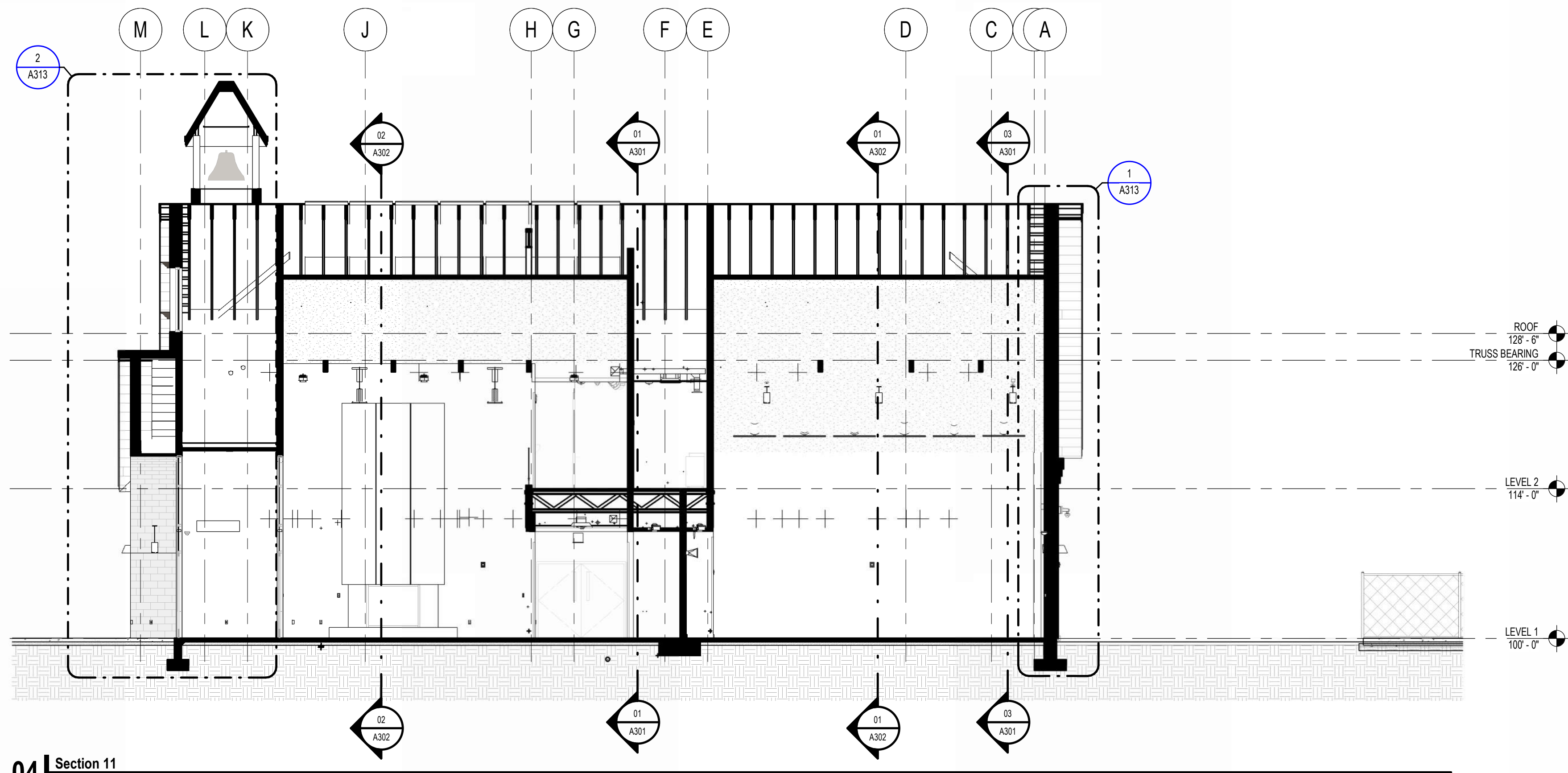
01 | Section 1
1/8" = 1'-0"



02 | Section 2
1/8" = 1'-0"



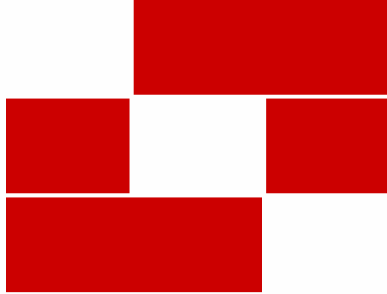
03 | Section 3
1/8" = 1'-0"



04 | Section 11
1/8" = 1'-0"

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- FINISH GRADE TO BE 8" MIN. BELOW FOUNDATION WALLS, TYPICAL AT ALL LOCATIONS.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

Revisions

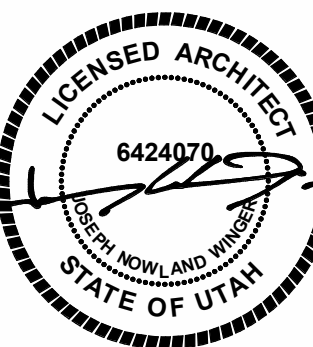
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Project Number 25526
Original Issue 09.04.2026
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Sheet Title

BUILDING SECTIONS

Sheet Number

A301

SECTION GENERAL NOTES

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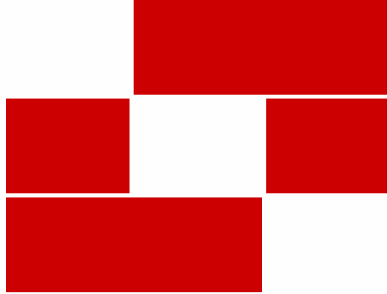
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7. FINISH GRADE TO BE 8" MIN. BELOW FOUNDATION WALLS, TYPICAL AT ALL LOCATIONS.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

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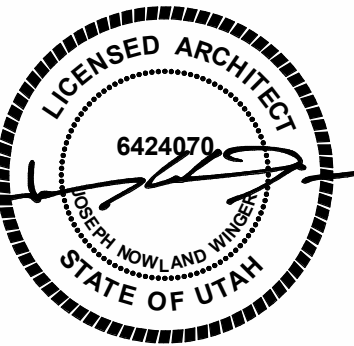
Num.	Description	Date
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Project Number 28526
Original Issue 09.04.2026
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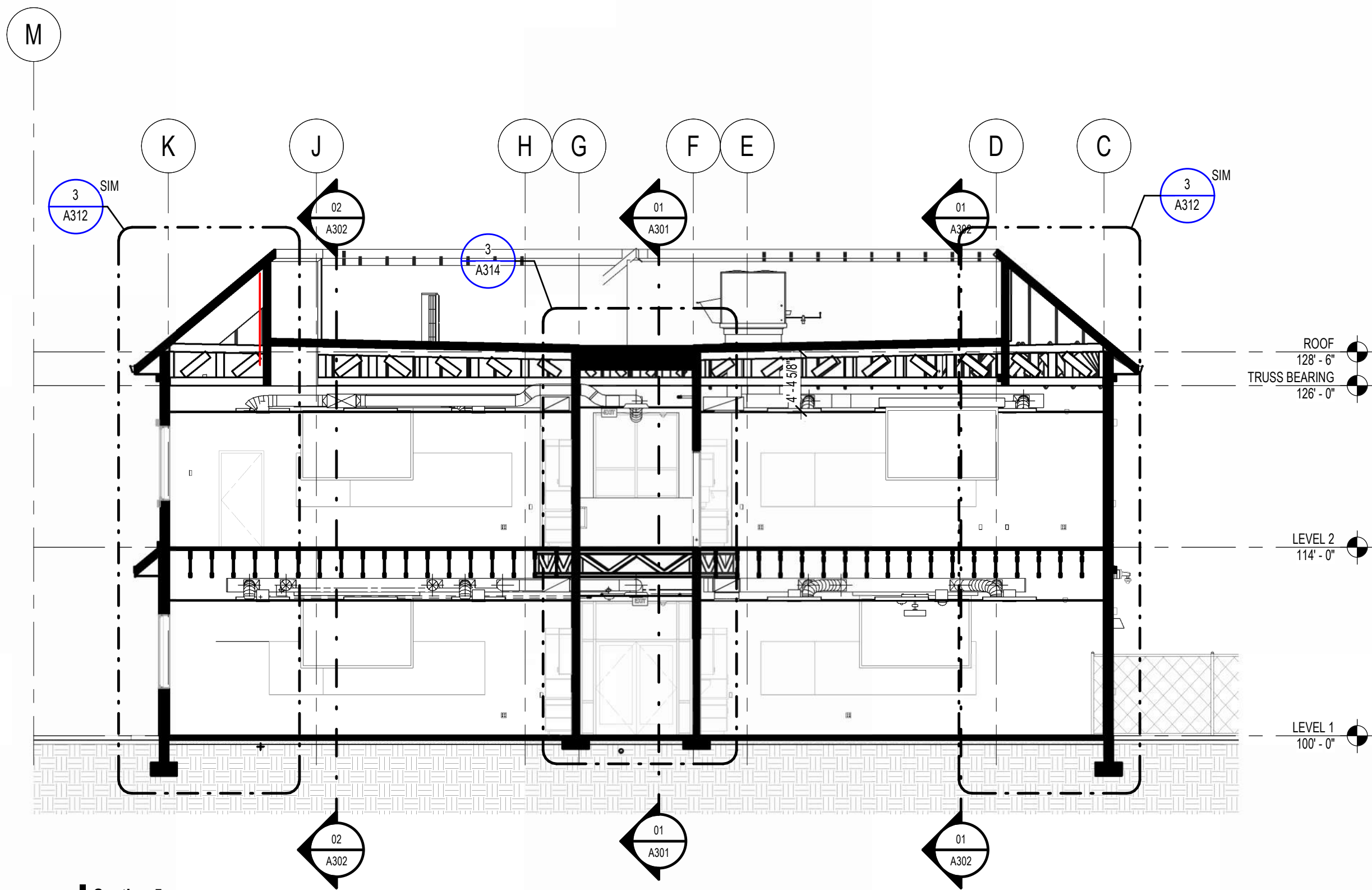
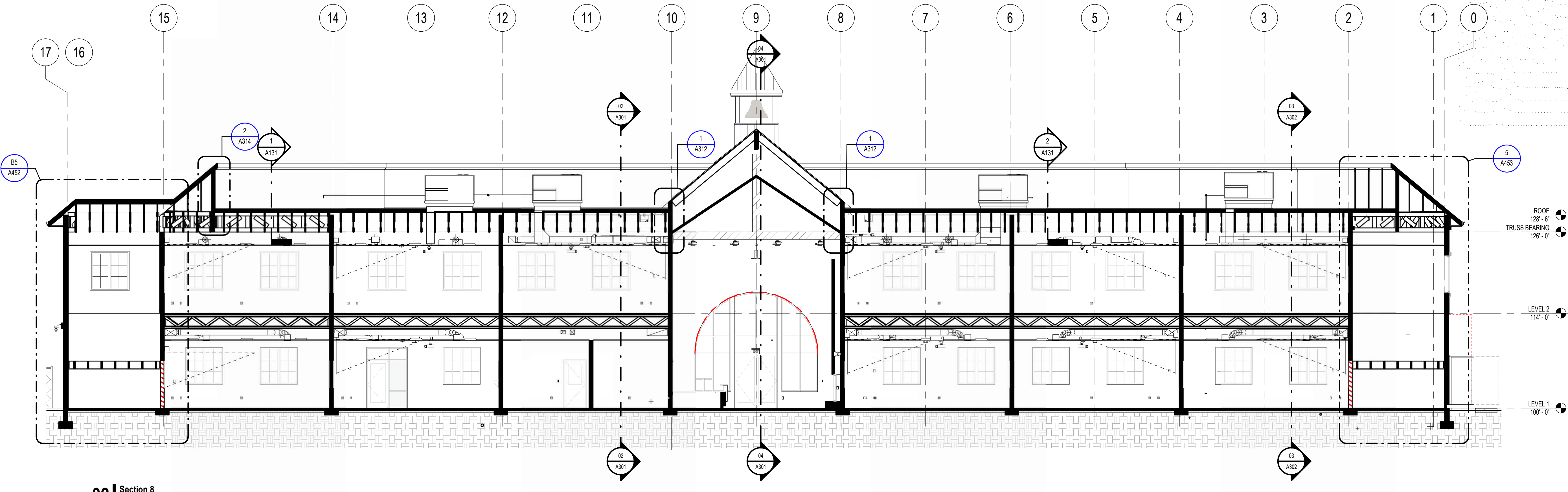
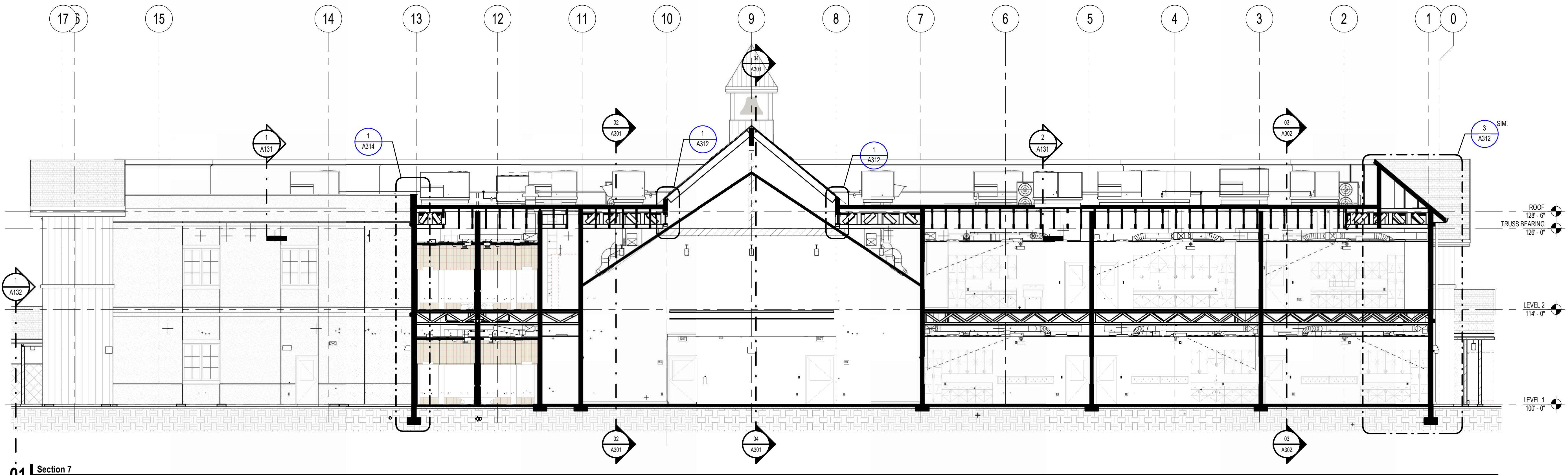


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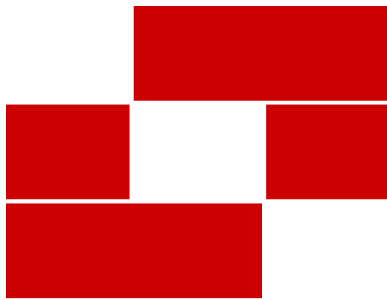
BUILDING SECTIONS

Sheet Number

A302



03 Section 5
1/8" = 1'-0"



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

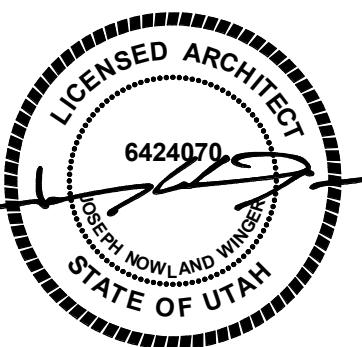
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Num.	Description	Date
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Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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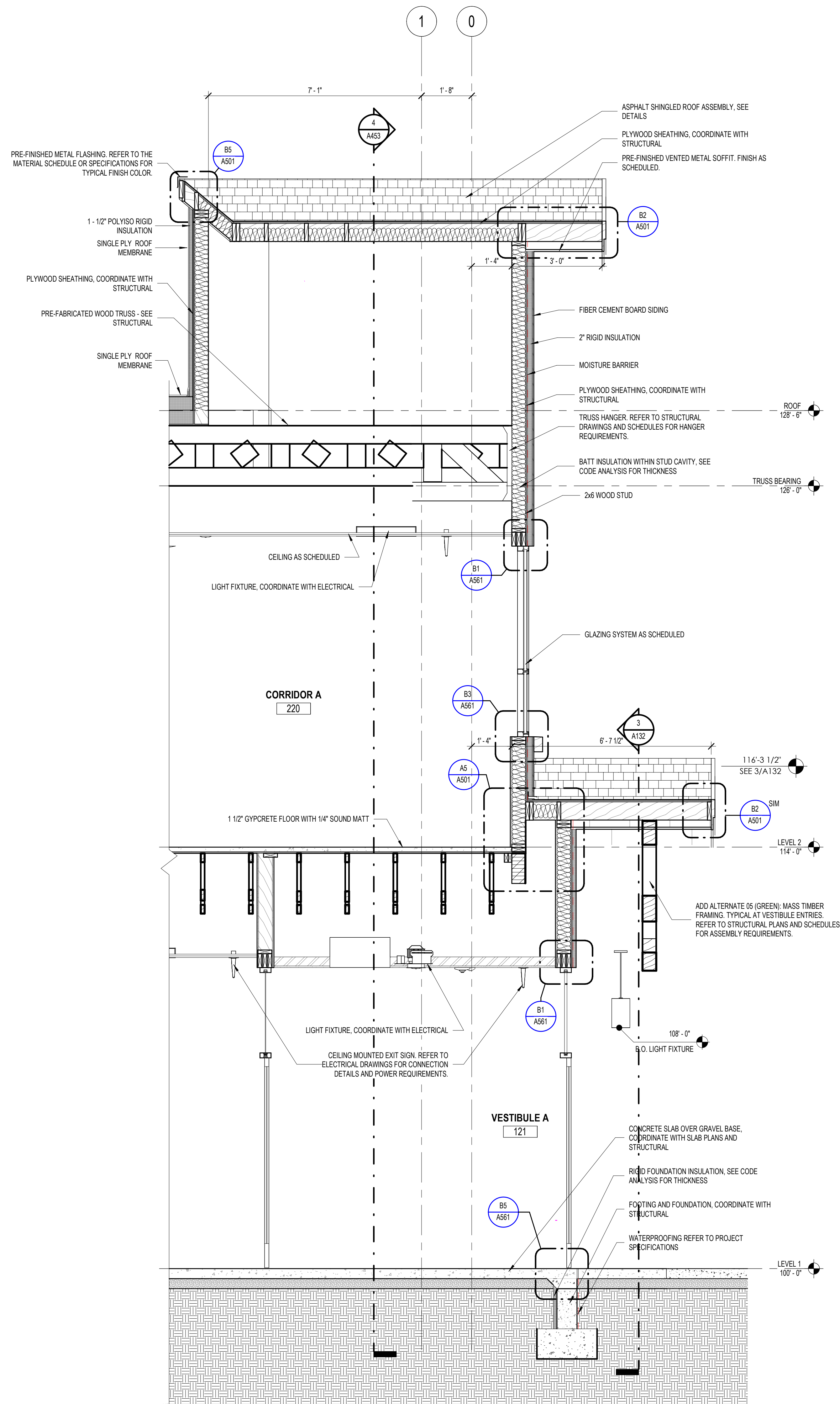
WALL SECTIONS

Sheet Number

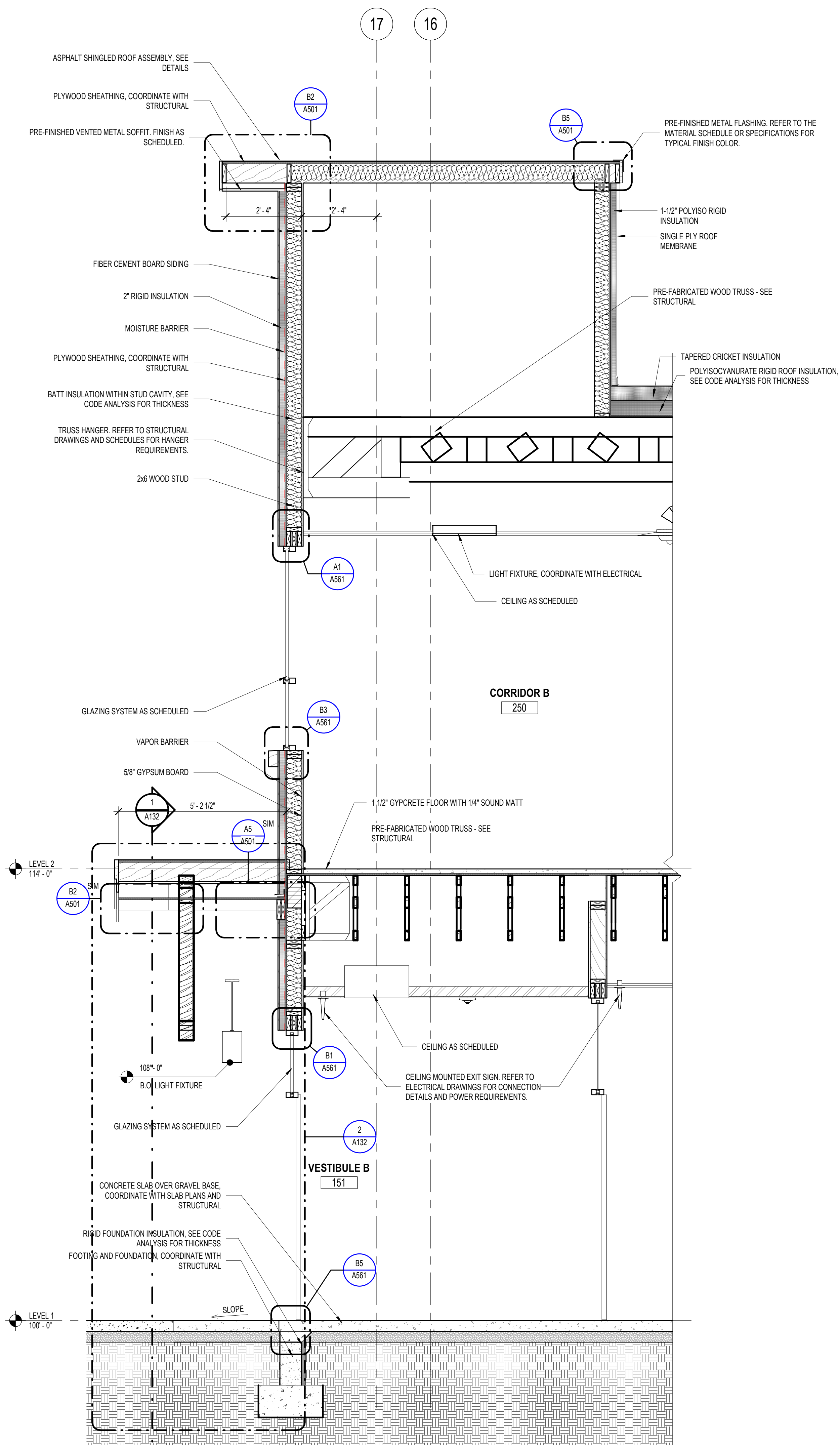
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SECTION GENERAL NOTES

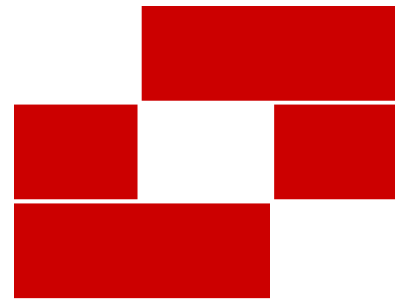
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1 | WALL SECTION - SIDE CANOPY
1/2" = 1'-0"



B5 | WALL SECTION - SIDE ENTRY CANOPY
1/2" = 1'-0"



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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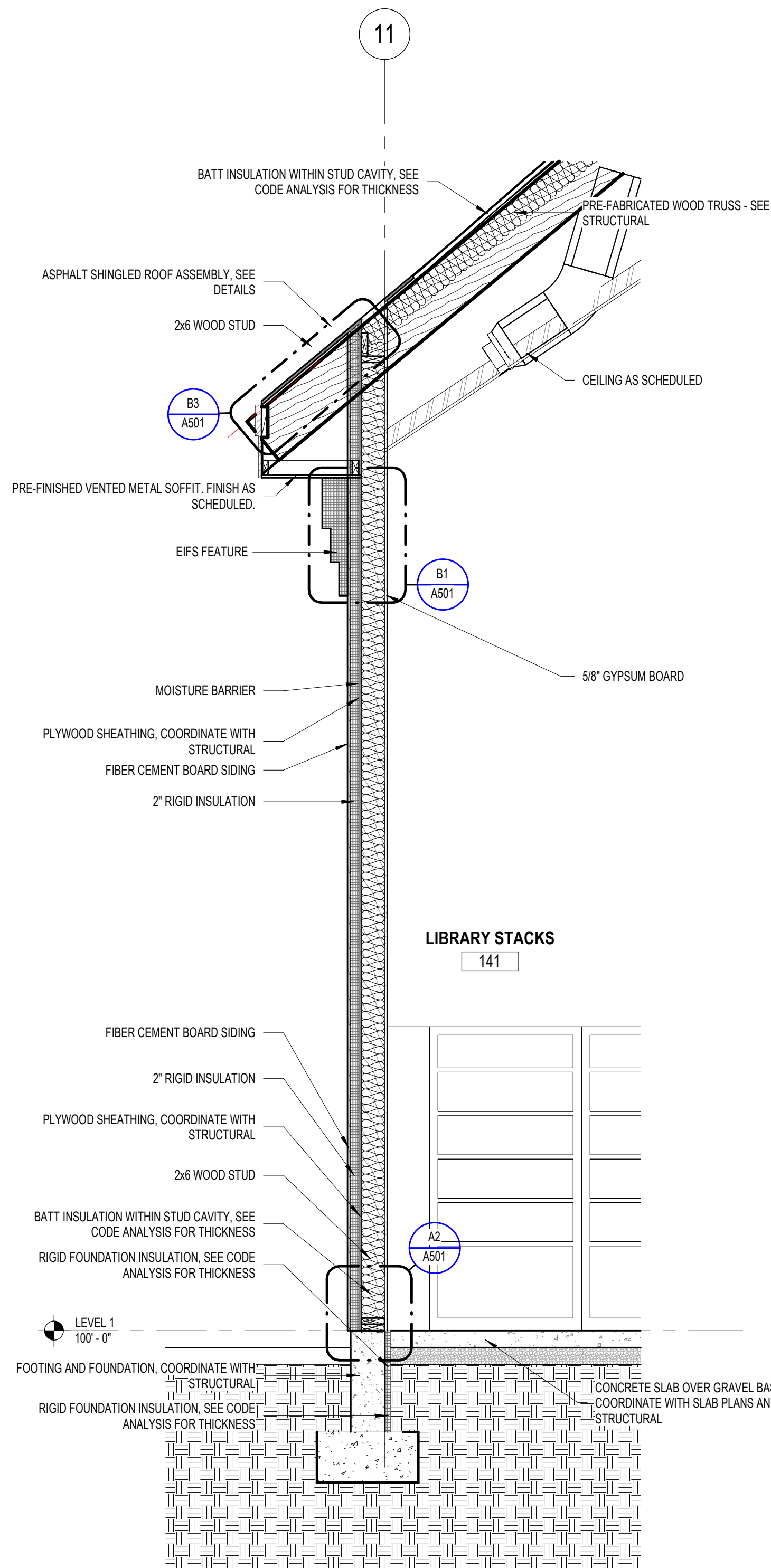
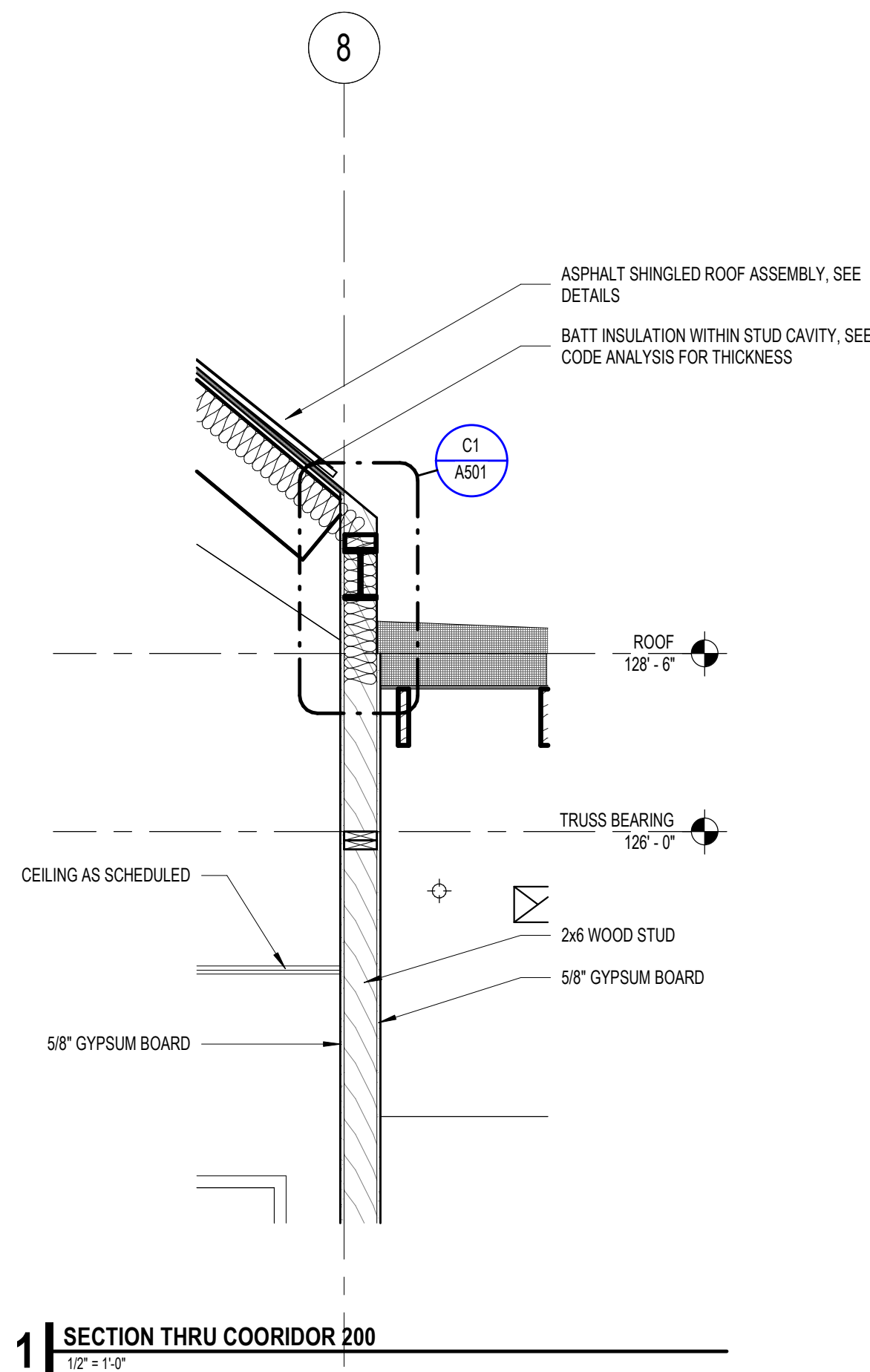
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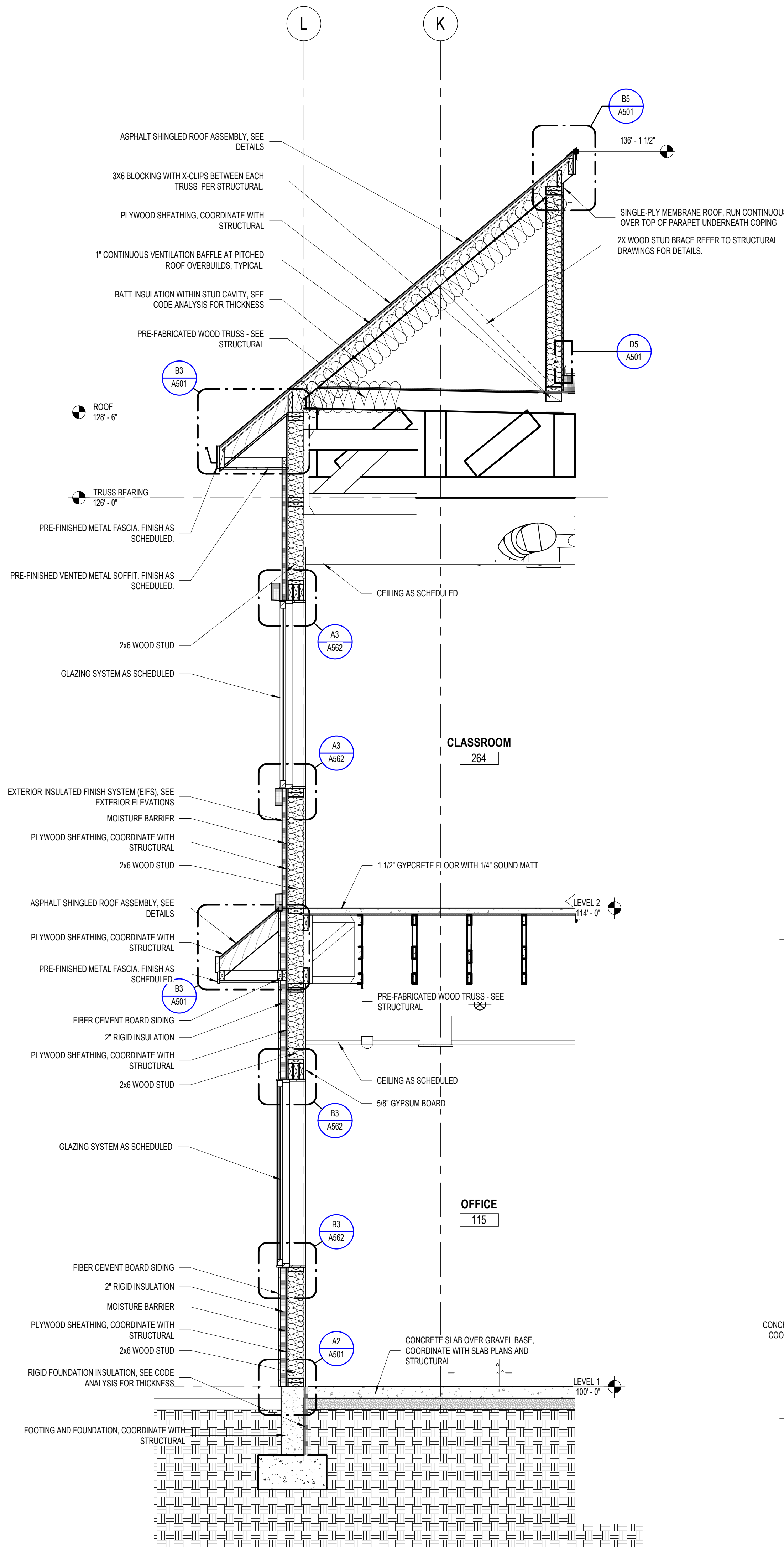
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SECTION GENERAL NOTES

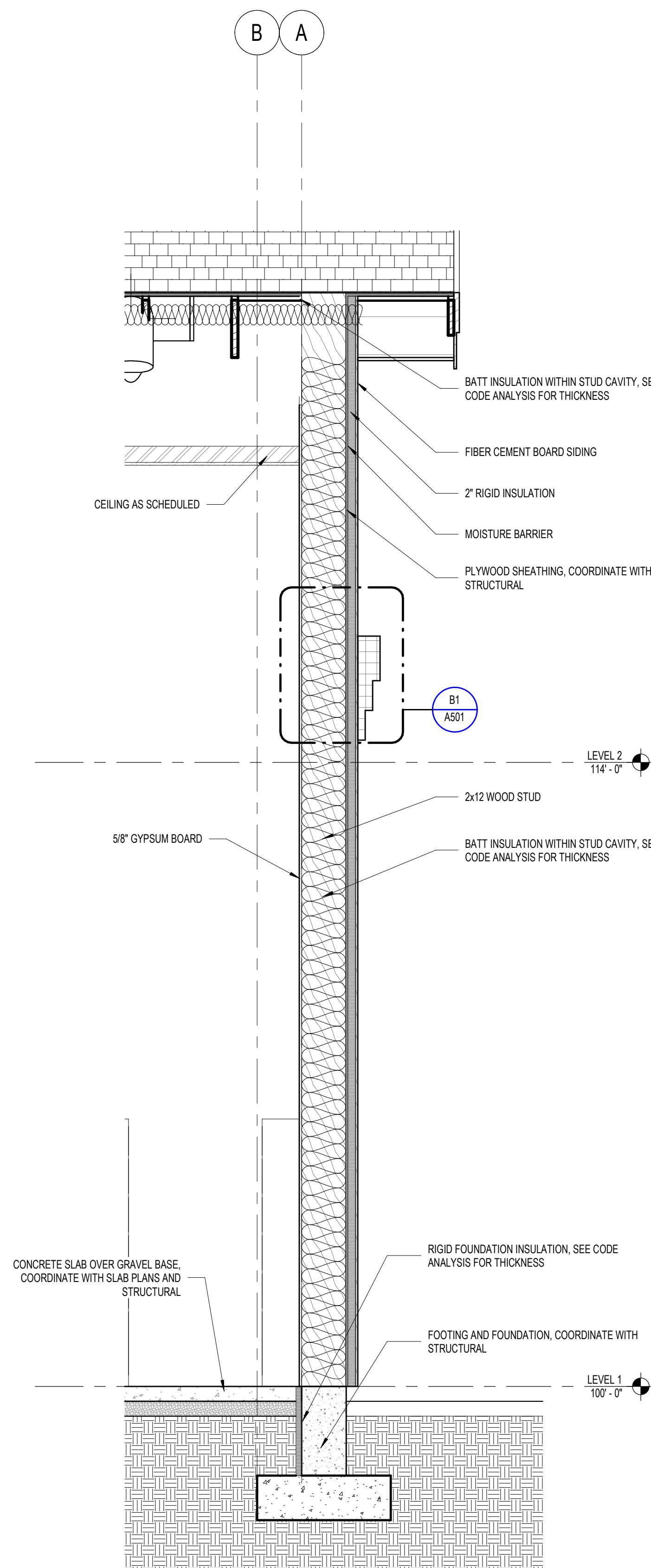
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4 | WALL SECTION THRU LIBRARY
1/2" = 1'-0"



3 | SECTION THRU OFFICE 115
1/2" = 1'-0"



2 | SECTION THRU LIBRARY
1/2" = 1'-0"

Revisions

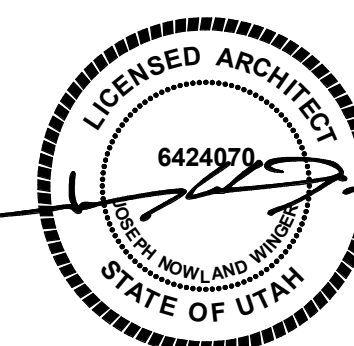
Num.	Description	Date
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Project Number	25526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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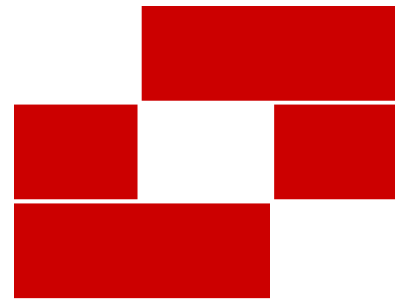


Sheet Title

WALL SECTIONS

Sheet Number

A312



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

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Revisions

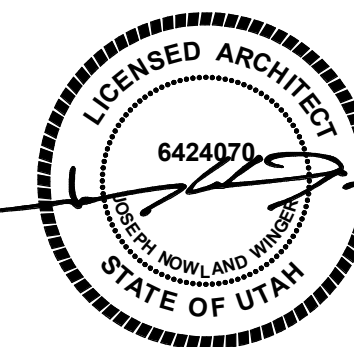
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Project Number	28528
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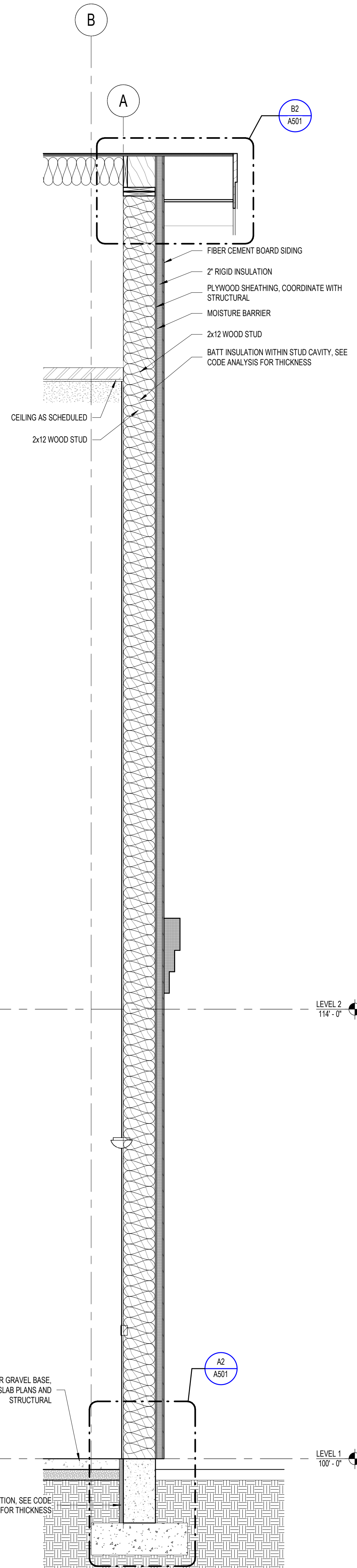


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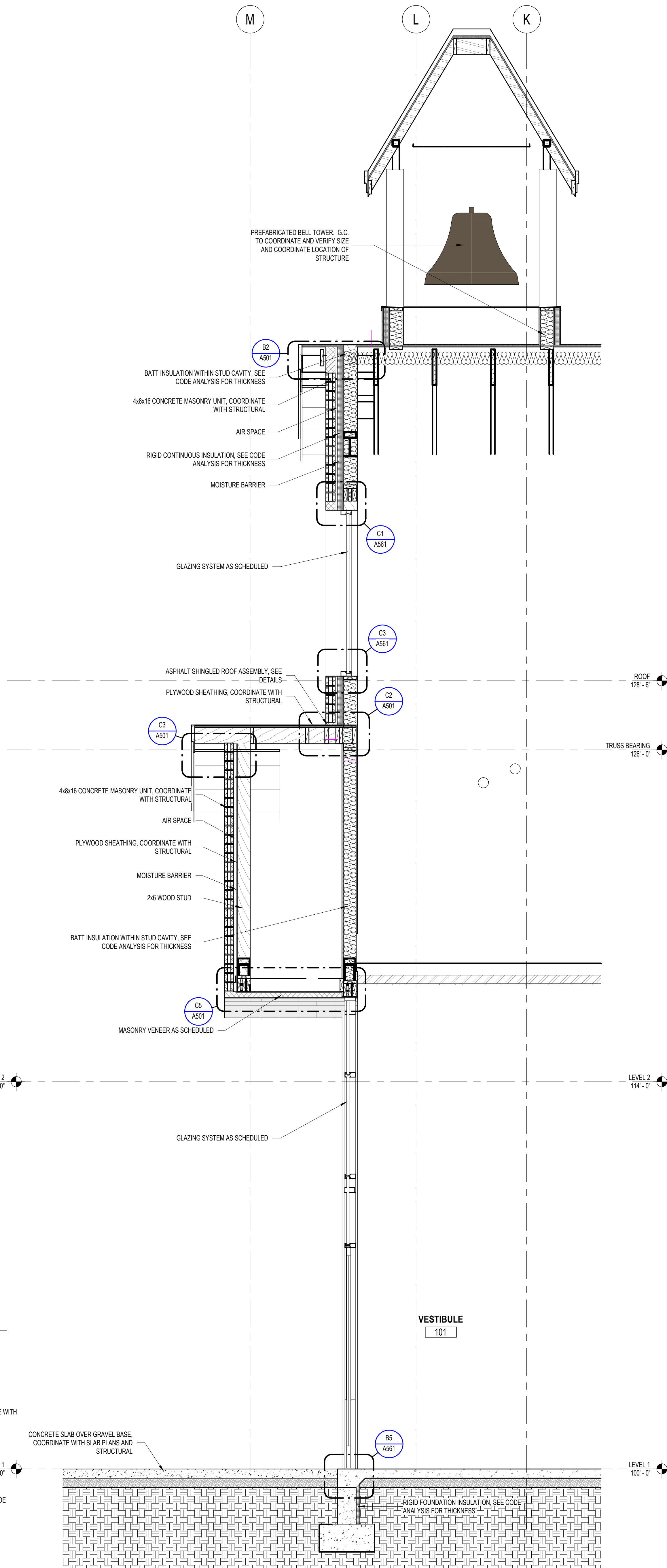
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Sheet Number

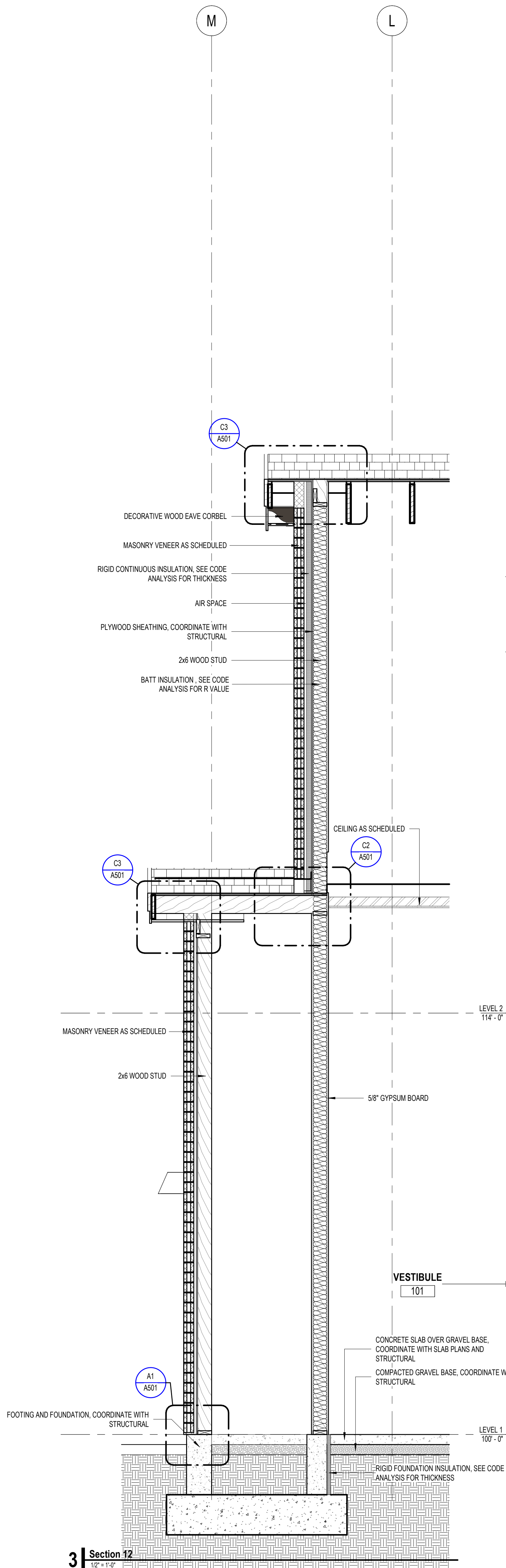
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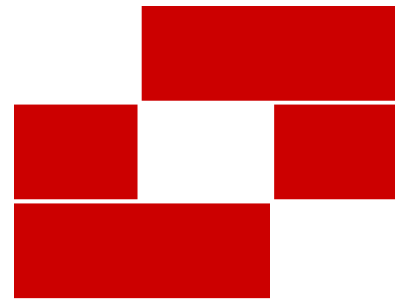
1 | Section 11 - Callout 2
1/2" = 1'-0"



2 | Section 11 - Callout 1
1/2" = 1'-0"



3 | Section 12
1/2" = 1'-0"



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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LOUISA MAY ALCOTT
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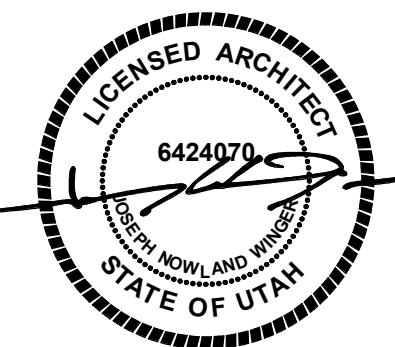
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Project Number	28526
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Project Status	Permit & Bid Set

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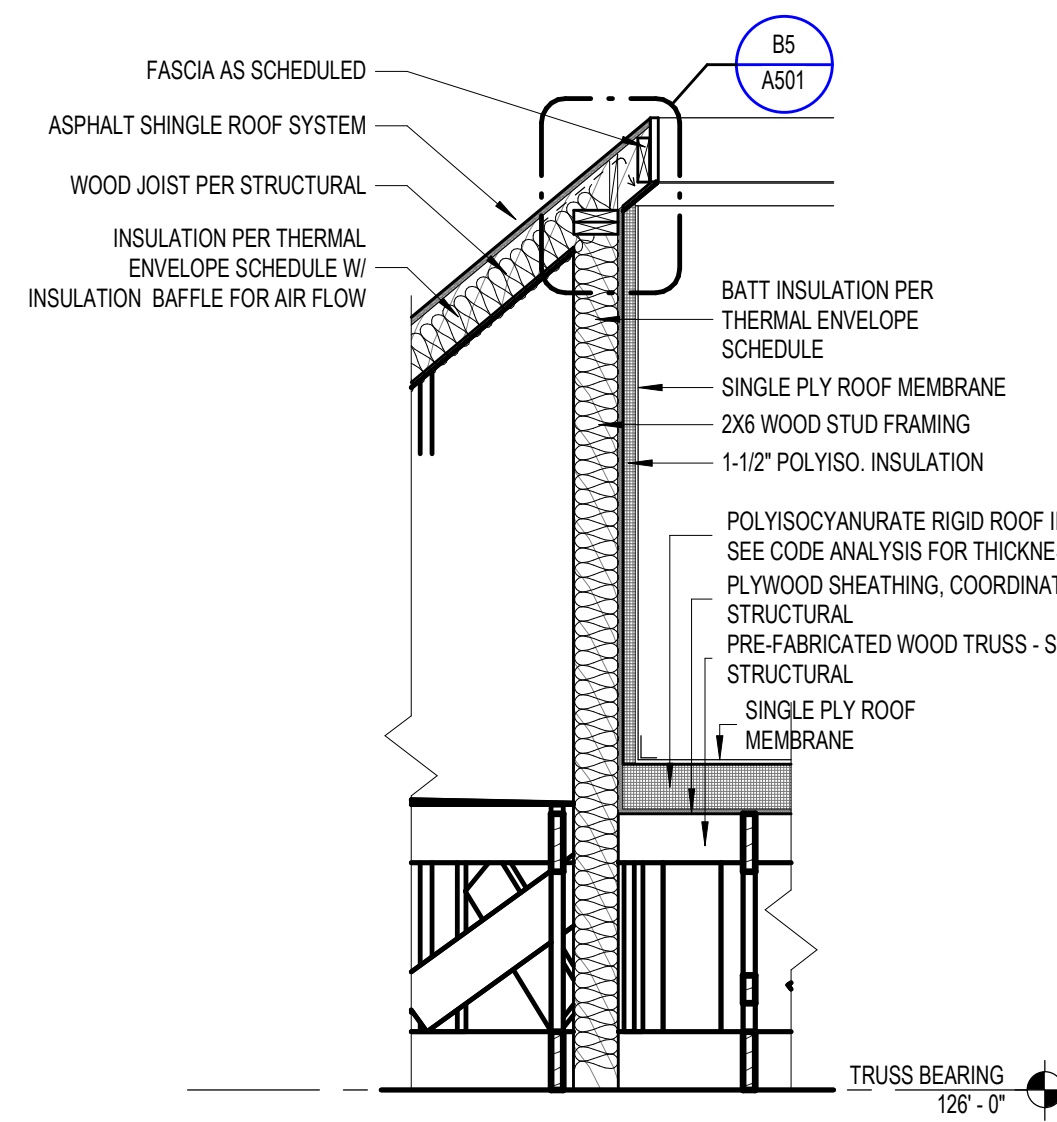
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Sheet Number

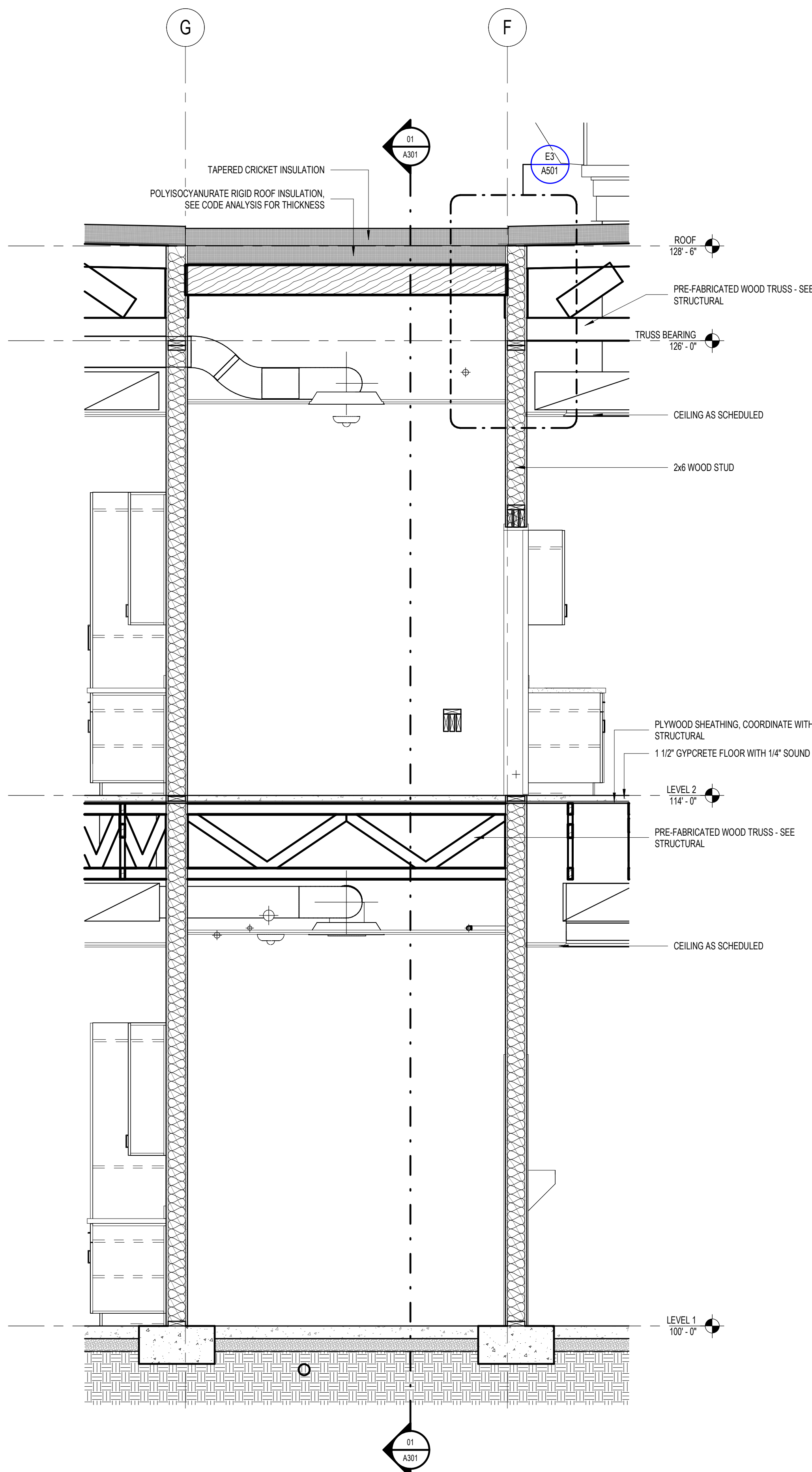
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SECTION GENERAL NOTES

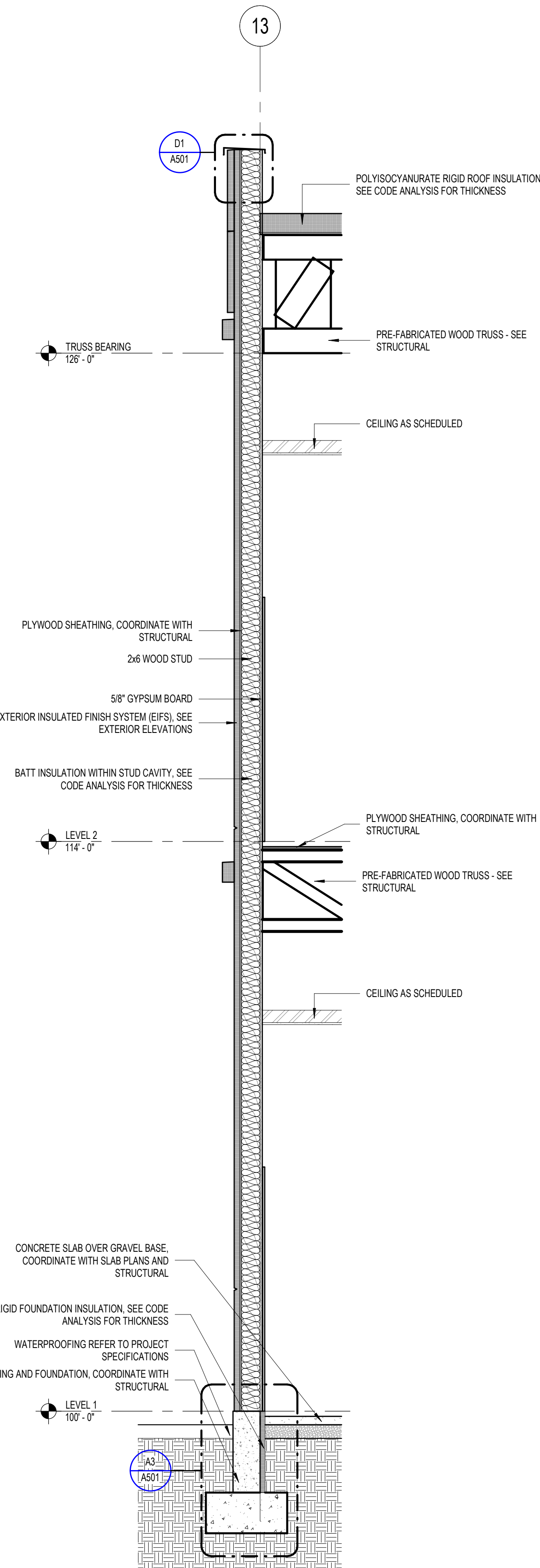
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- CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED. DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH (12.7MM) GYPSUM BOARD, 3/8-INCH (9.5 MM) WOOD STRUCTURAL PANEL, 3/8-INCH (9.5 MM) PARTICLEBOARD, BATTIS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.
- FINISH GRADE TO BE 8" MIN. BELOW FOUNDATION WALLS. TYPICAL AT ALL LOCATIONS.



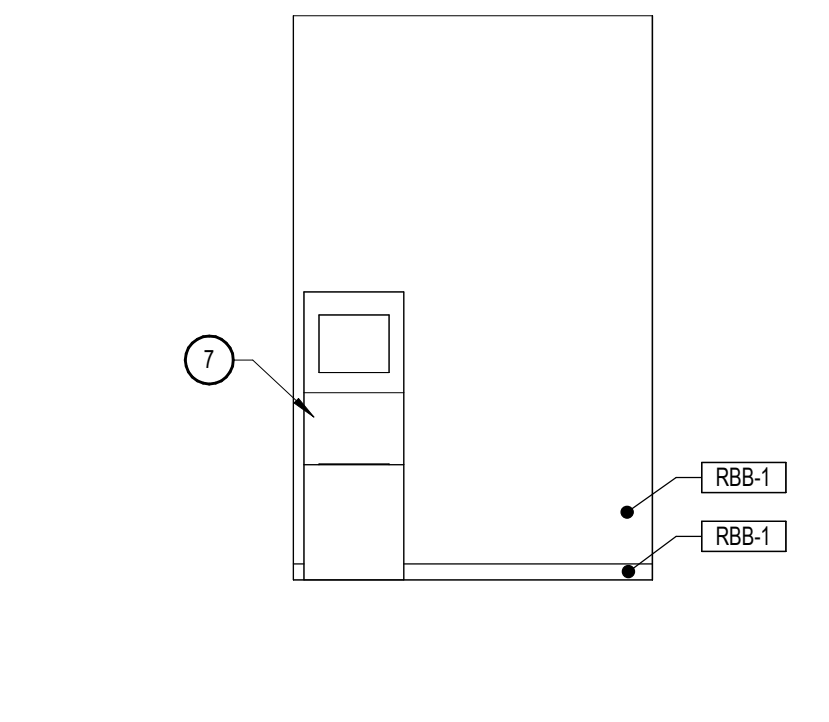
2 | WALL SECTION AT ROOF OVERBUILT
1/2" = 1'-0"



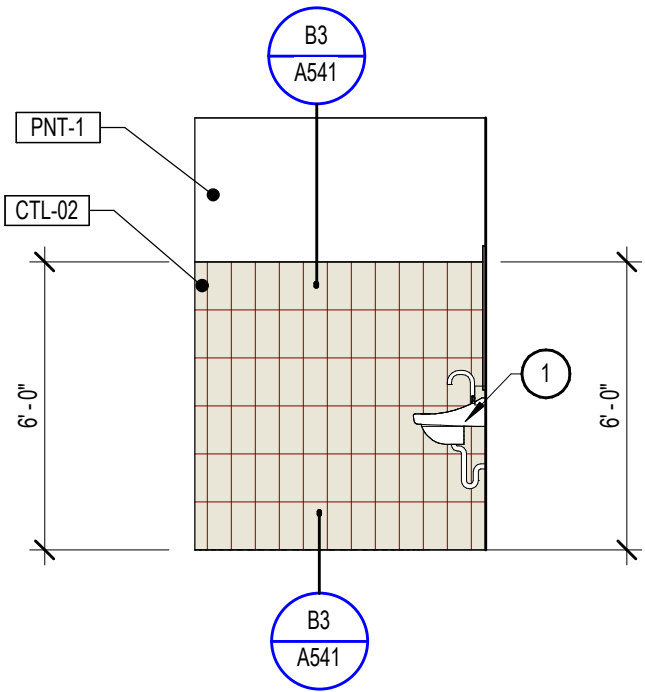
3 | WALL SECTION AT CORRIDOR
1/2" = 1'-0"



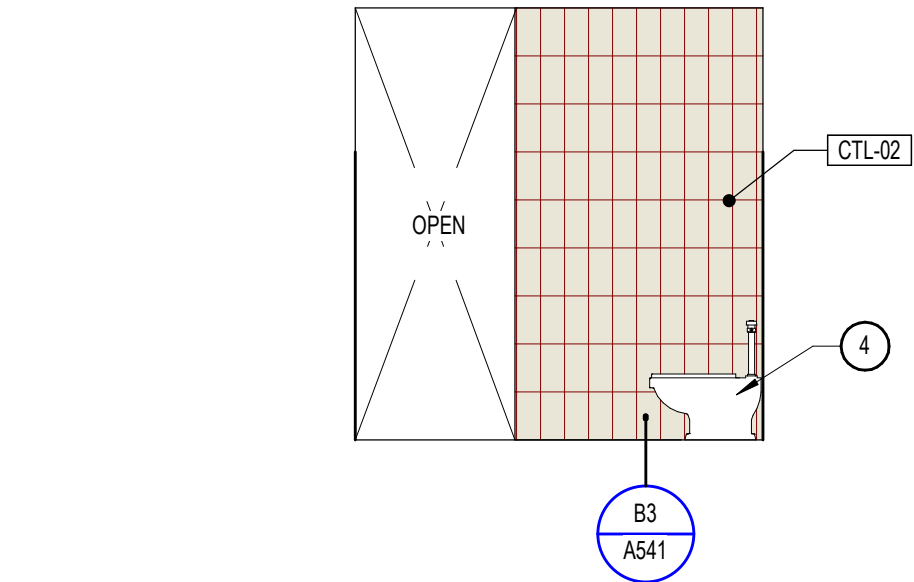
1 | WALL SECTION - PARAPET CAP
1/2" = 1'-0"



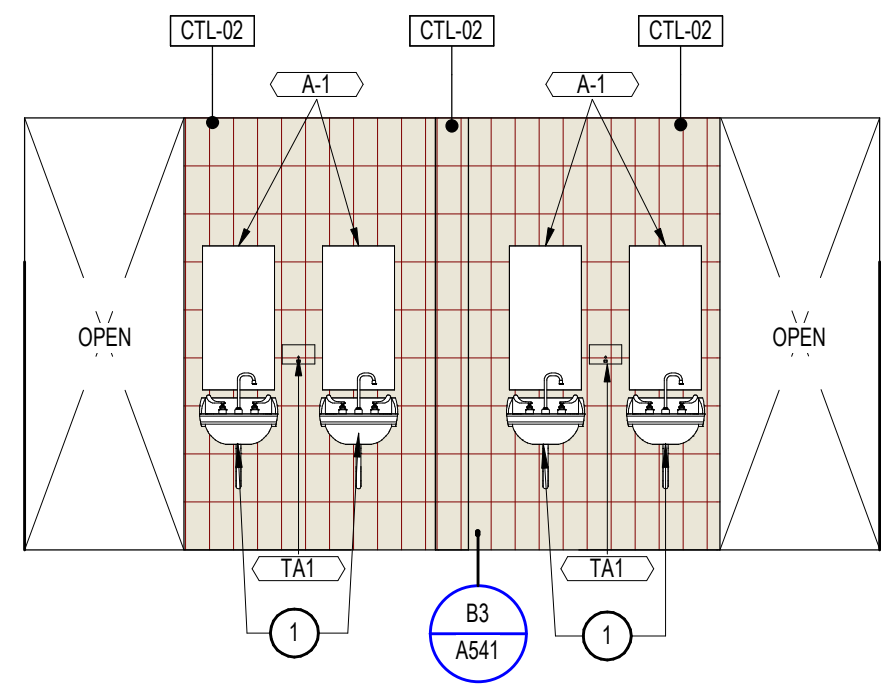
21 JANITOR 157 - SOUTH
1/4" = 1'-0"



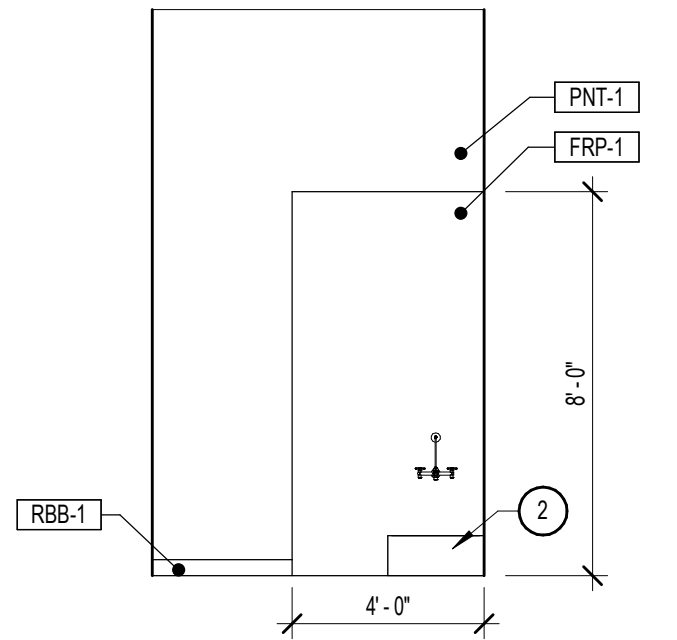
16 SINGLE USER R.R. - 2
1/4" = 1'-0"



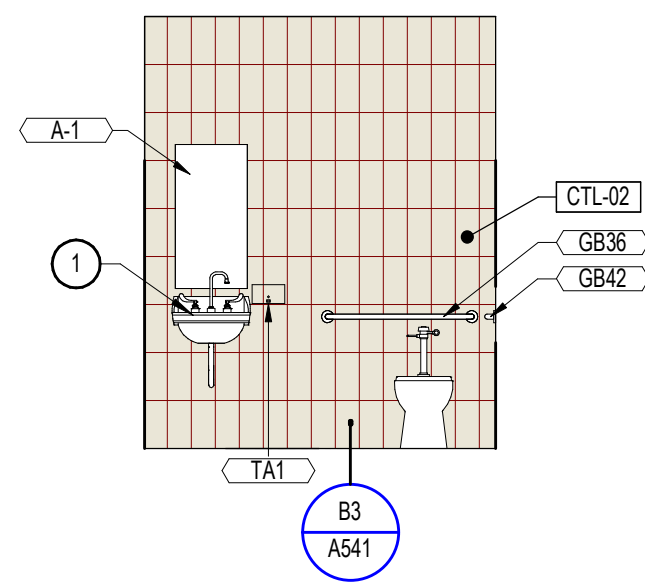
11 GIRLS 155 - NORTH
1/4" = 1'-0"



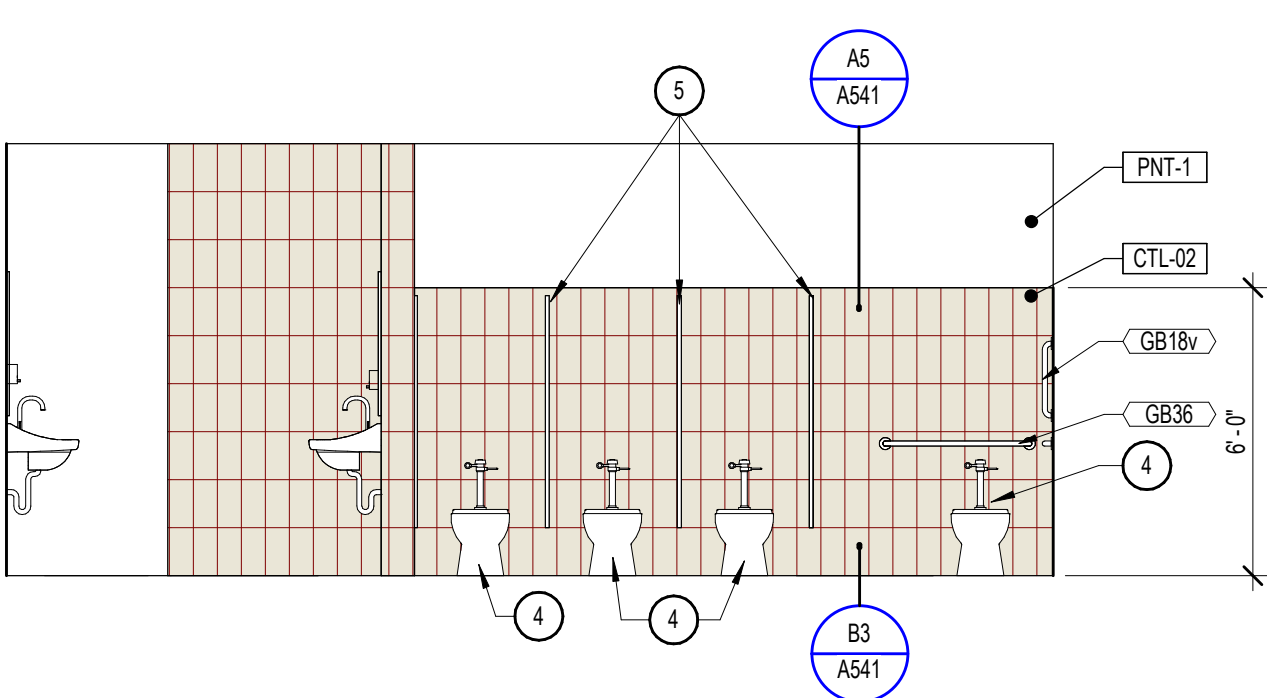
6 LAVATORY 155/154 - SOUTH
1/4" = 1'-0"



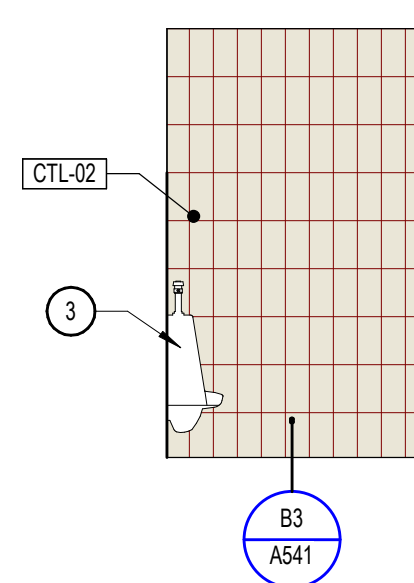
22 JANITOR 157 - WEST
1/4" = 1'-0"



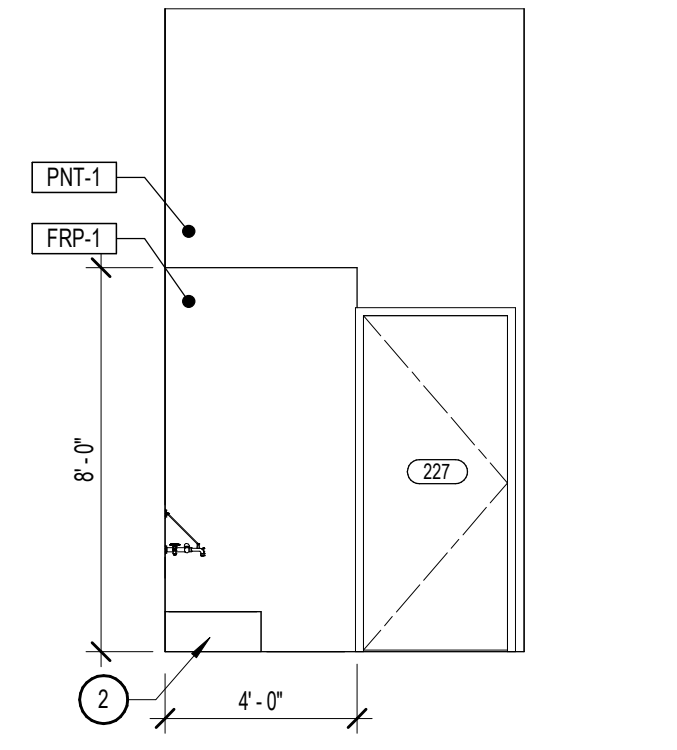
17 SINGLE USER R.R. - 3
1/4" = 1'-0"



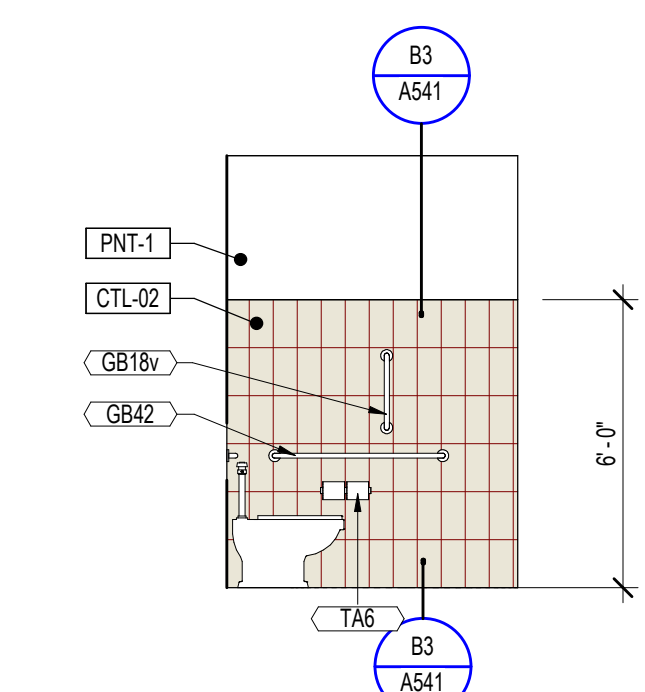
12 GIRLS 155 - EAST
1/4" = 1'-0"



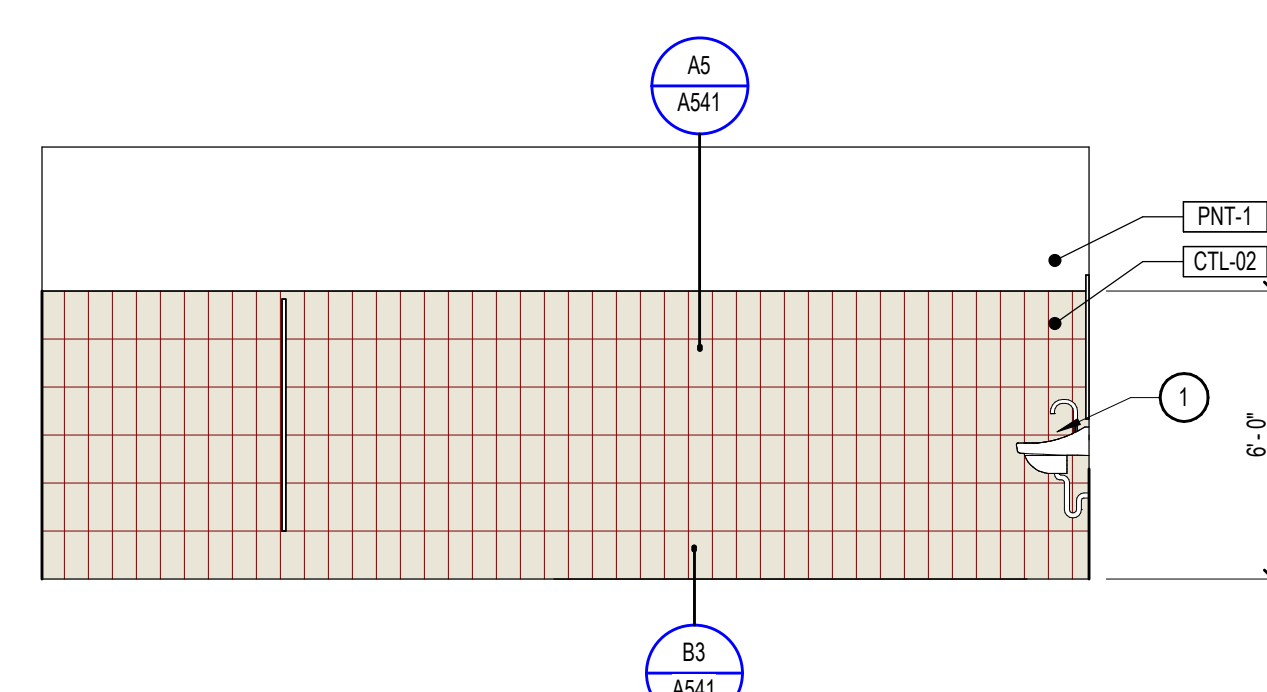
7 BOYS 154 - NORTH
1/4" = 1'-0"



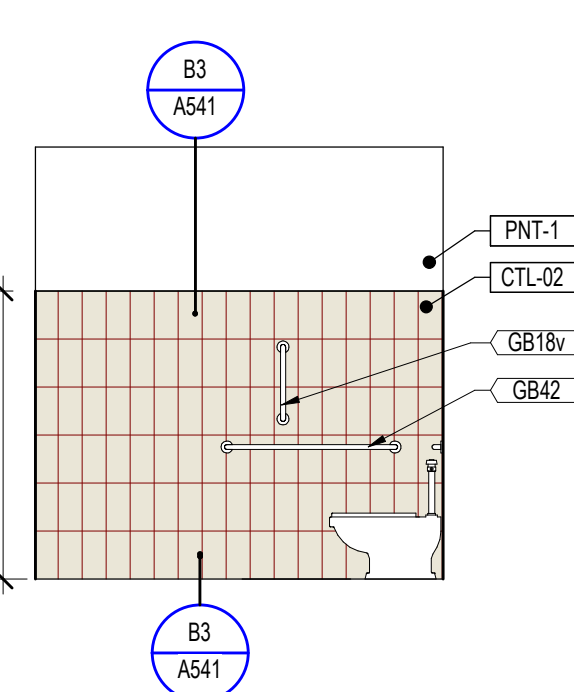
23 JANITOR 227 - NORTH
1/4" = 1'-0"



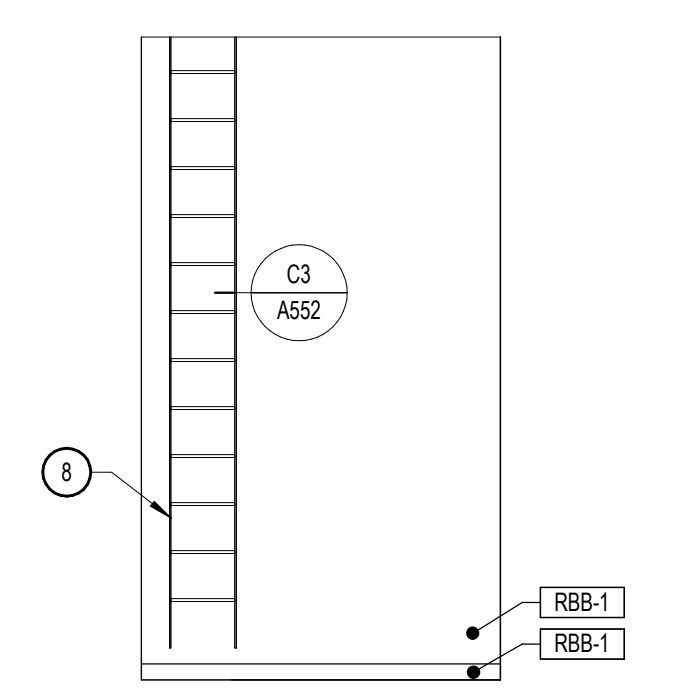
18 SINGLE USER R.R. - 4
1/4" = 1'-0"



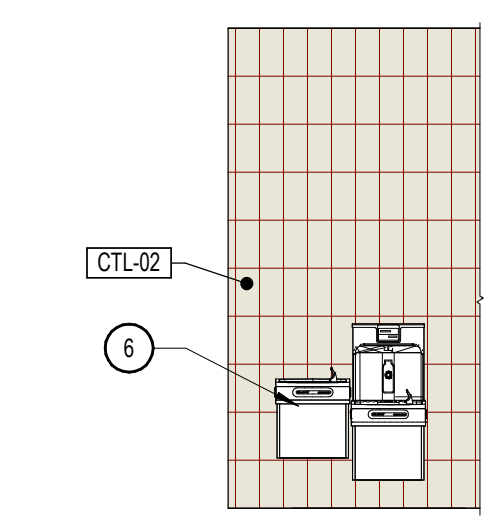
13 GIRLS 155 - WEST
1/4" = 1'-0"



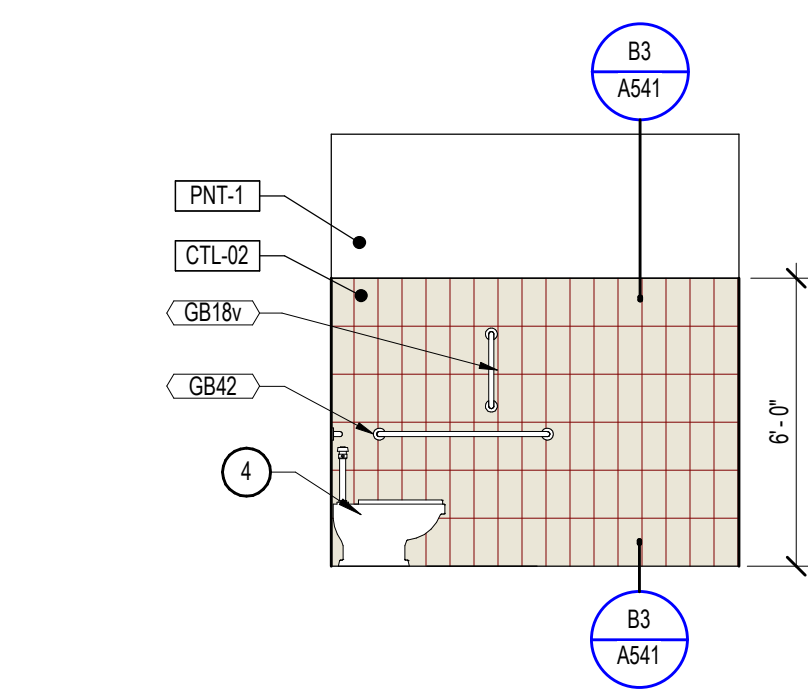
8 BOYS 154 - SOUTH
1/4" = 1'-0"



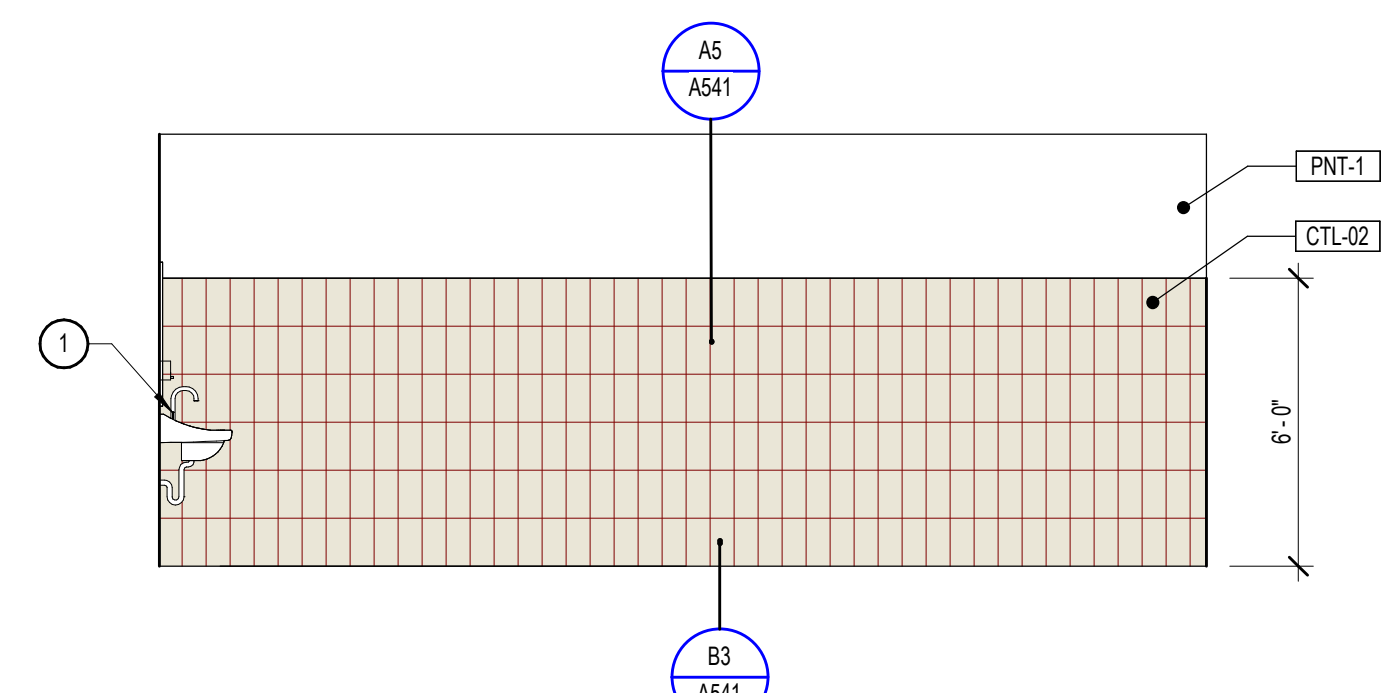
24 JANITOR 227 - SOUTH
1/4" = 1'-0"



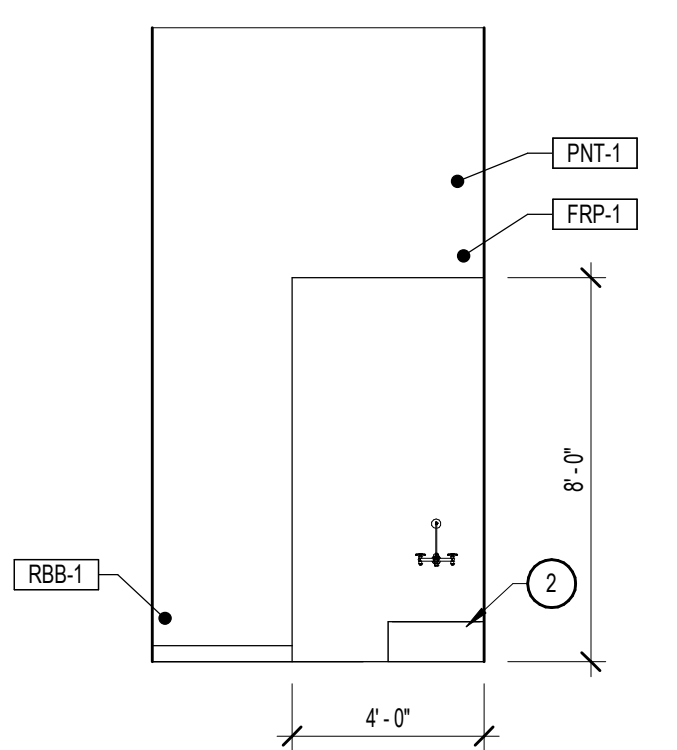
19 CORRIDOR B 150 DRINKING FOUNTAIN
1/4" = 1'-0"



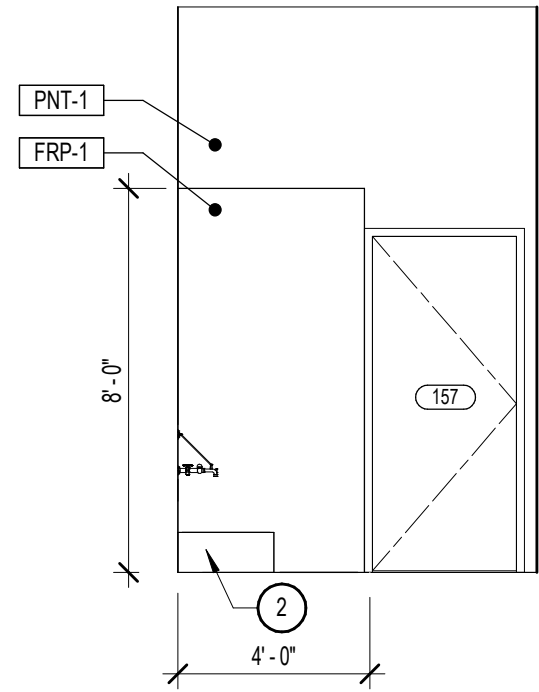
14 GIRLS 155 - SOUTH
1/4" = 1'-0"



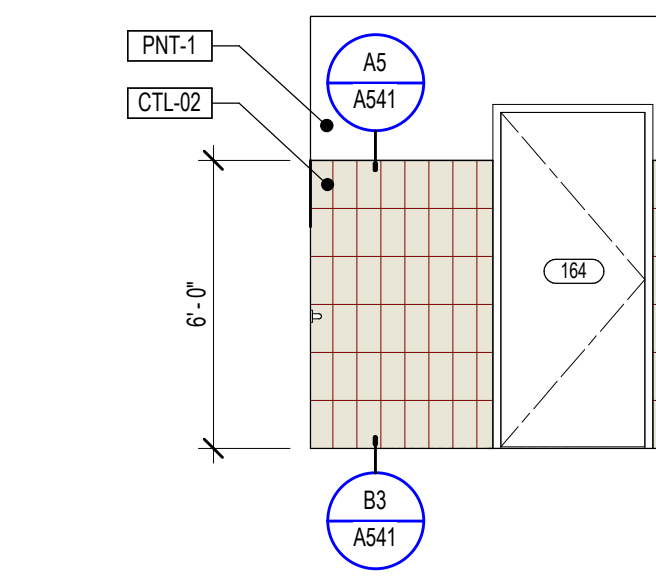
9 BOYS 154 - EAST
1/4" = 1'-0"



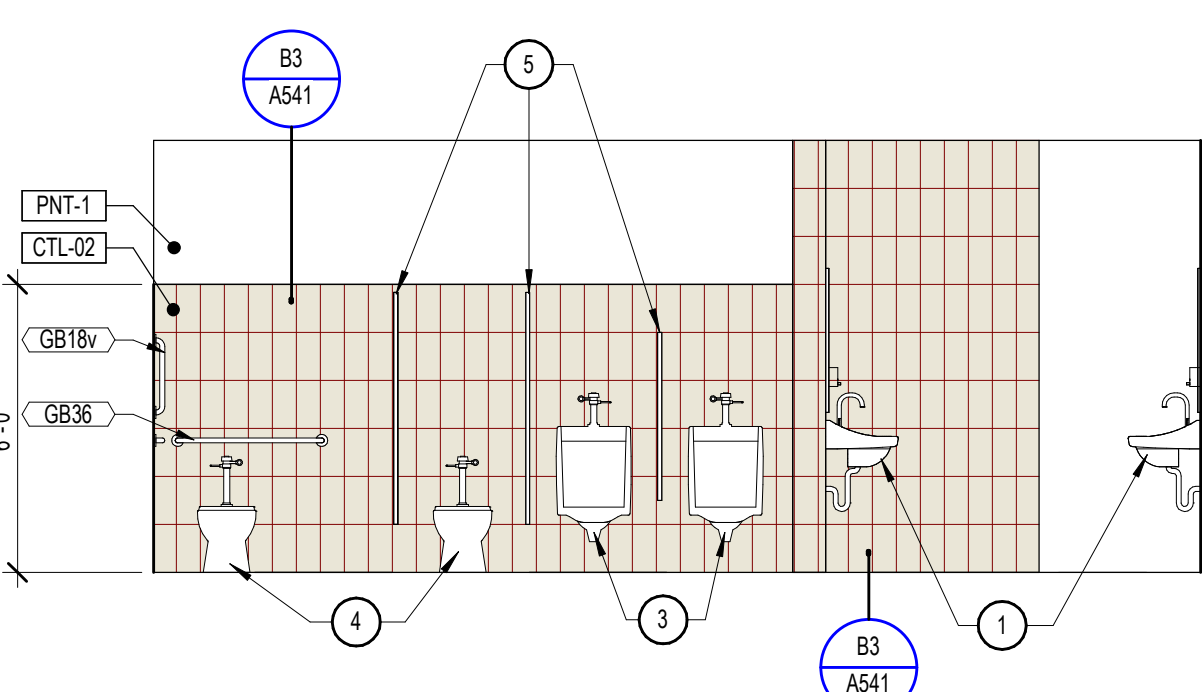
25 JANITOR 227 - WEST
1/4" = 1'-0"



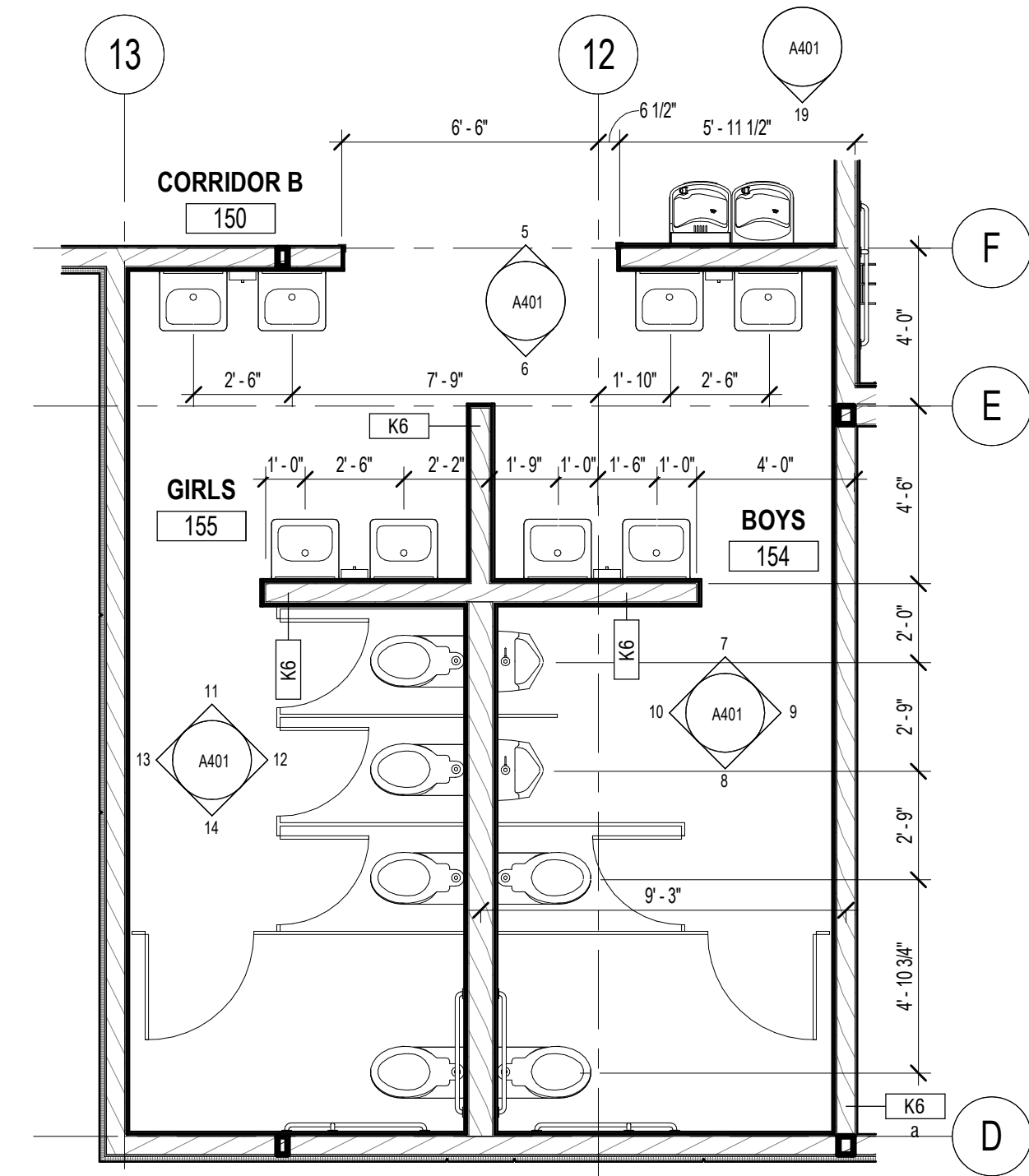
20 JANITOR 157 - NORTH
1/4" = 1'-0"



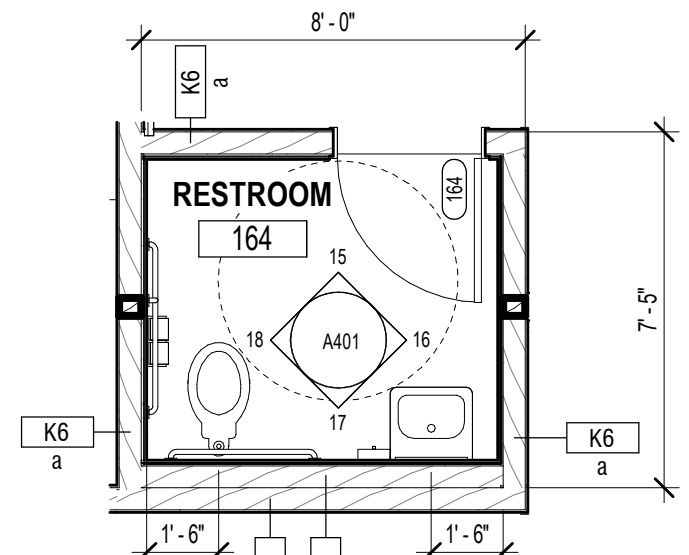
15 SINGLE USER R.R. - 1
1/4" = 1'-0"



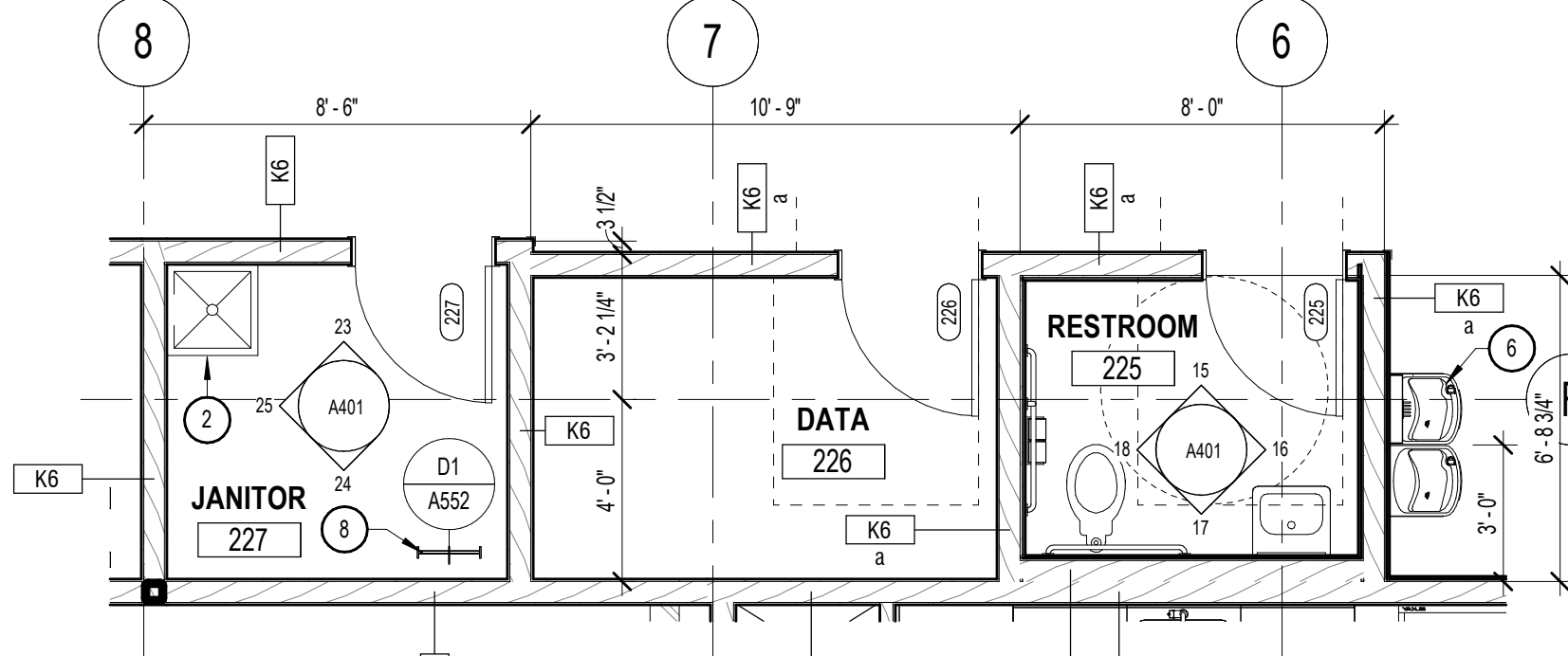
10 BOYS 154 - WEST
1/4" = 1'-0"



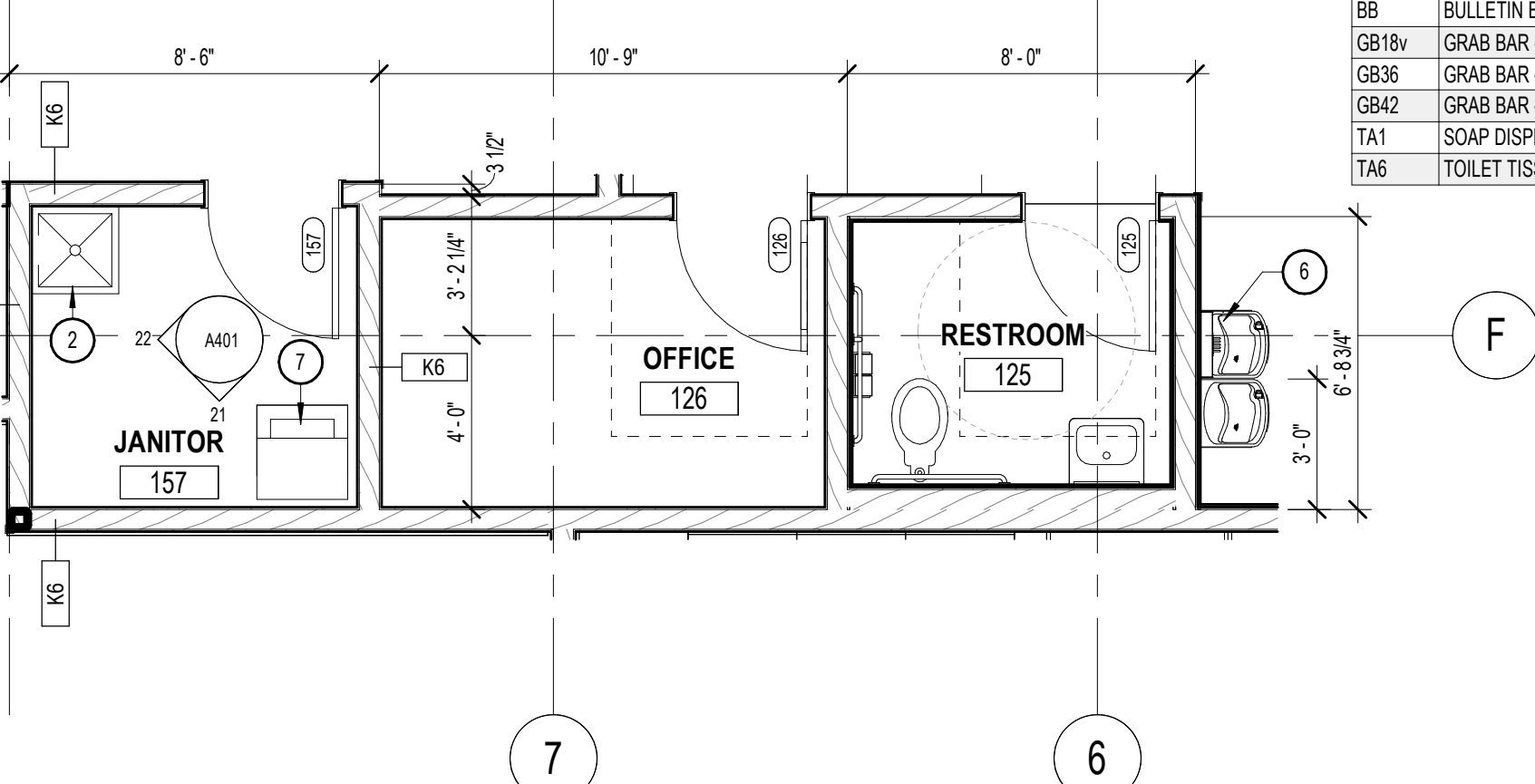
1 ENLARGED PLAN - RESTROOM
1/4" = 1'-0"



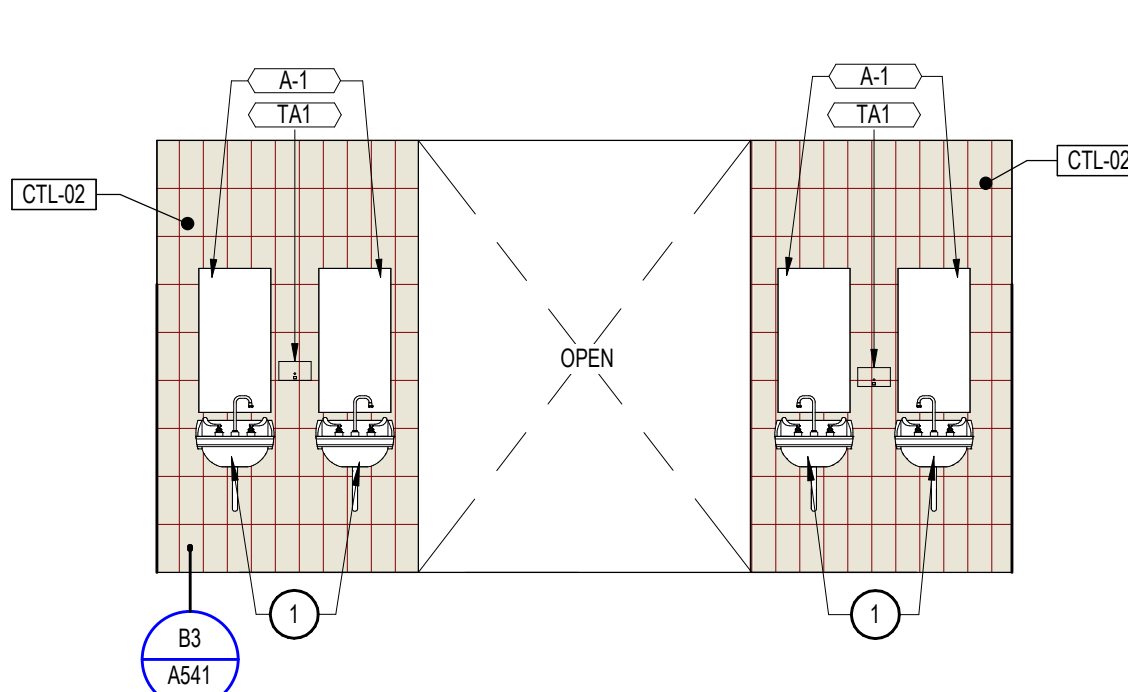
2 ENLARGED FLOOR PLAN - SINGLE USER RESTROOM - TYP.
1/4" = 1'-0"



3 ENLARGED PLAN - JANITOR 257
1/4" = 1'-0"



4 ENLARGED PLAN - MECH 157
1/4" = 1'-0"



5 LAVATORY 155/154 - NORTH
1/4" = 1'-0"

FLOOR PLAN / INTERIOR ELEVATION GENERAL NOTES

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10. FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE 'G' SHEETS.
11. ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
12. SEE WALL TYPE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 FOR WALL TERMINATIONS, ETC.
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 - NON RATED
 - NON RATED SMOKE PARTITION (BC 710)
 - 1-HR FIRE BARRIER/PARTITION (BC 707, 708)

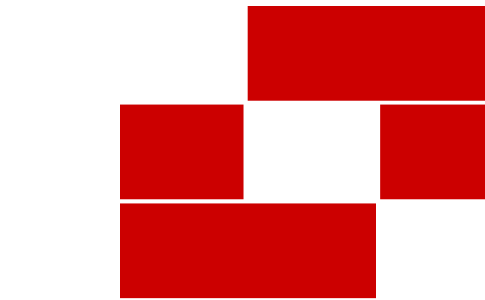
SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

1. SINK, COORDINATE WITH MECHANICAL.
2. JANITOR SINK, COORDINATE WITH MECHANICAL.
3. URINAL, COORDINATE WITH MECHANICAL.
4. TOILET, COORDINATE WITH MECHANICAL.
5. TOILET PARTITION
6. DRINKING FOUNTAIN, COORDINATE WITH MECHANICAL.
7. STACKED WASHER/DRYER, BY OWNER, COORDINATE ALL REQUIRED CONNECTIONS WITH MECHANICAL AND PLUMBING DRAWINGS.
8. PRE-FINISHED METAL PARAPET CAP - REFER TO ELEVATIONS FOR FINISH COLOR.

ACCESSORY SCHEDULE

MARK	DESCRIPTION	RESPONSIBILITY
A-1	MIRROR	C.F.C.I.
B8	BULLETIN BOARD	C.F.C.I.
GB18v	GRAB BAR - 18" MOUNTED VERTICAL	C.F.C.I.
GB36	GRAB BAR - 36"	C.F.C.I.
GB42	GRAB BAR - 42"	C.F.C.I.
TAT	SOAP DISPENSER - LIQUID	C.F.C.I.
TAB	TOILET TISSUE DISPENSER (DOUBLE)	C.F.C.I.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

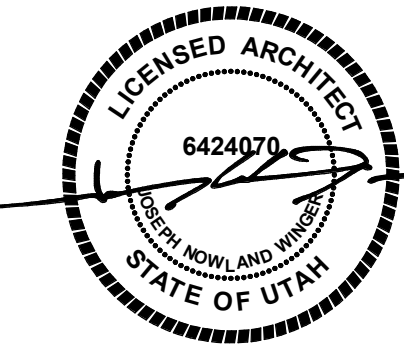
Num.	Description	Date
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Project Number 28508
Original Issue 09.04.2026
Project Status Permit & Bid Set

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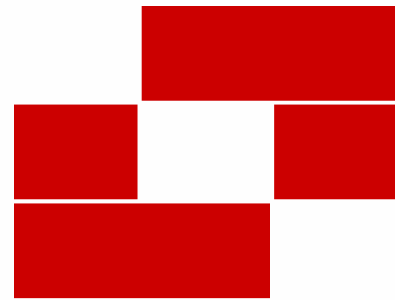
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Sheet Title
ENLARGED FLOOR
PLANS AND
ELEVATIONS -
RESTROOM
Sheet Number

A401



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

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- NON RATED SMOKE PARTITION (BC 710)
- 1-HR FIRE BARRIER/PARTITION (BC 707, 708)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- TILE OVER CONCRETE
- ADD ALTERNATE 06 - PRE-MANUFACTURED GAS FIRE PLACE COORDINATE ALL REQUIRED CONNECTIONS WITH MECHANICAL AND REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS.
- METAL CLADDING
- 5/8" GYPSUM BOARD, PAINTED, (METAL COVERING ALT.)

ACCESSORY SCHEDULE

MARK	DESCRIPTION	RESPONSIBILITY
B8	BULLETIN BOARD	C.F.C.I.
WB	4X8 WHITE BOARD	C.F.C.I.
WB-TW	4X12 WHITE BOARD	C.F.C.I.

CASEWORK SCHEDULE

TYPE	DESCRIPTION
BASE CABINET	
B014	BASE CABINET - OPEN SHELVES
B05	BASE CABINET W/ (2) DOOR AND (1) DRAWER
TALL CABINET	
T03	TALL CABINET W/ (2) DOORS
UPPER CABINET	
U03	UPPER CABINET W/ (2) DOOR

Revisions

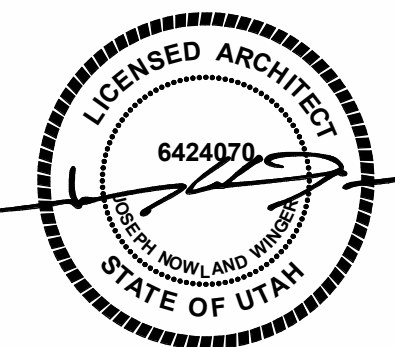
Num.	Description	Date
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Project Number: 28526
Original Issue: 09.04.2026
Project Status: Permit & Bid Set

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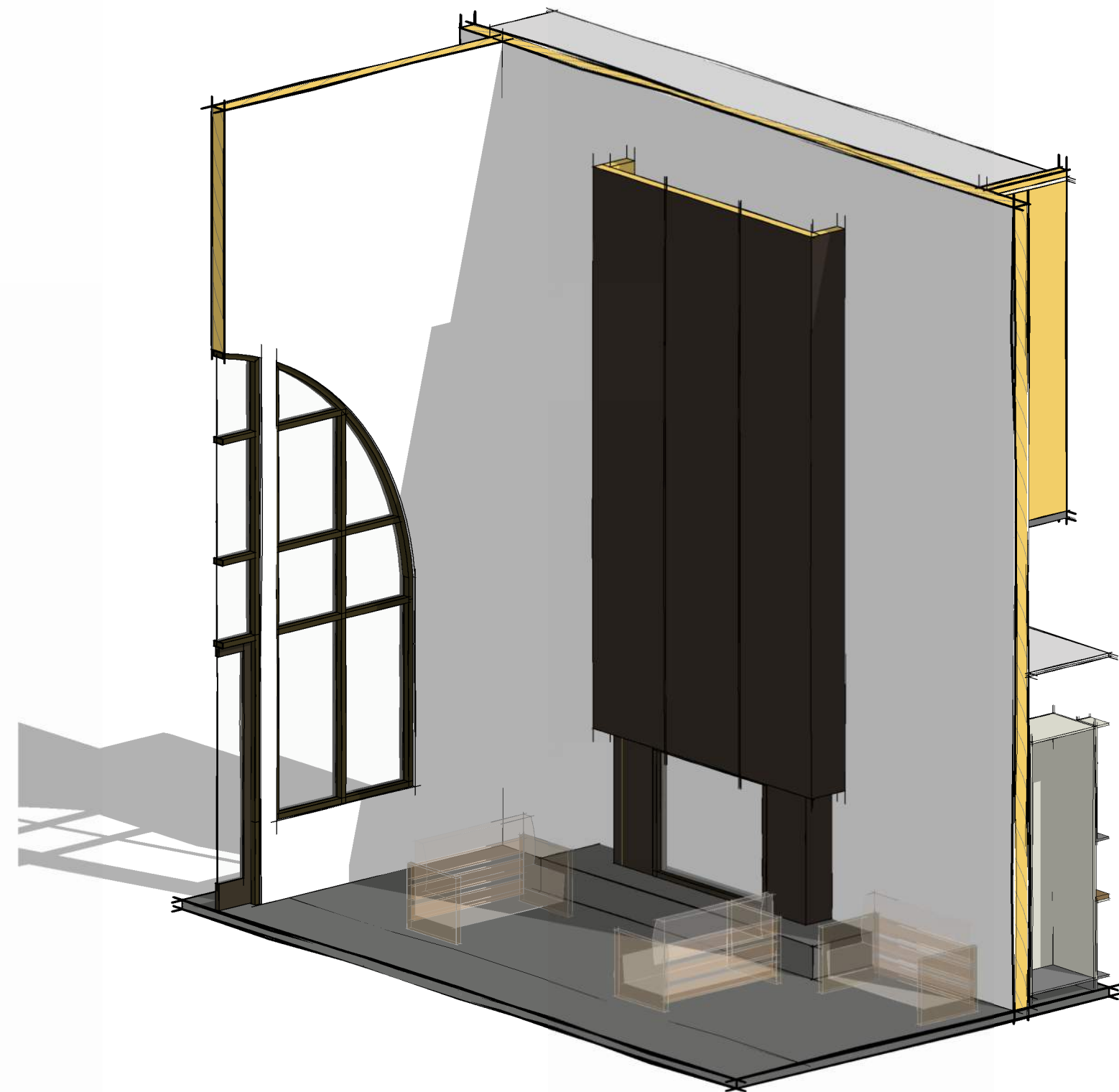


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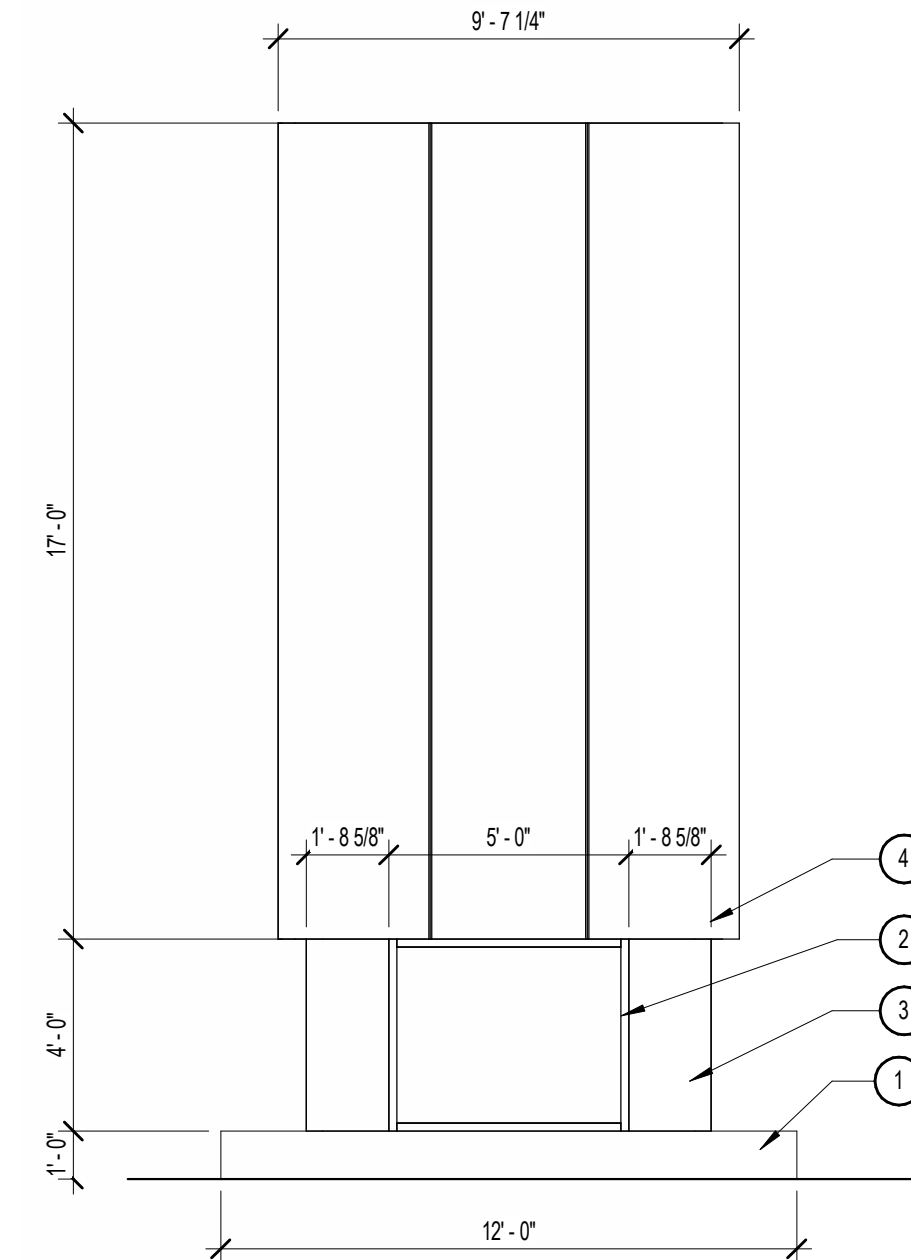
**ENLARGED FLOOR
PLANS AND
ELEVATIONS**

Sheet Number

A402

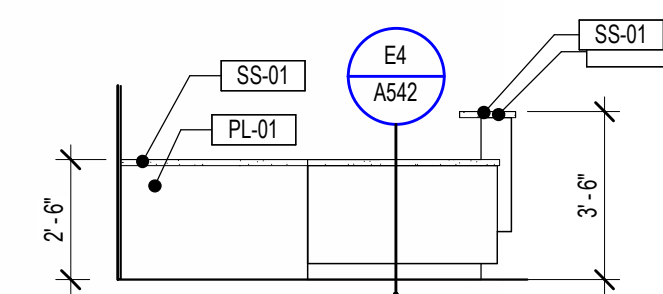


2 | FIREPLACE



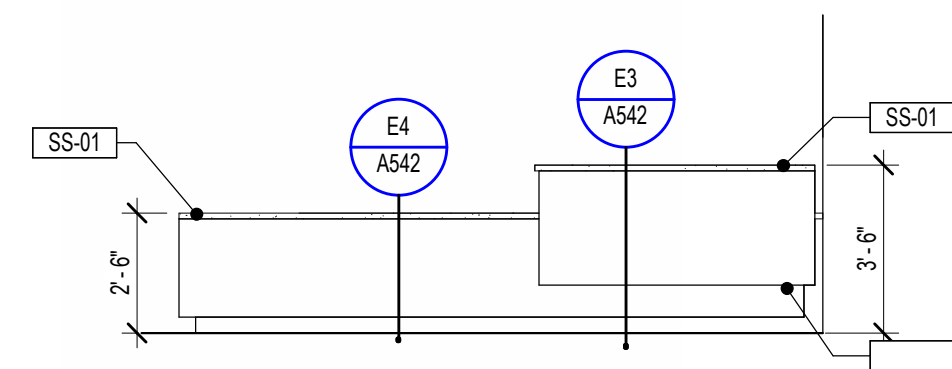
A1 | FOYER FIREPLACE (DEDUCT ALTERNATE #6)

1/4" = 1'-0"



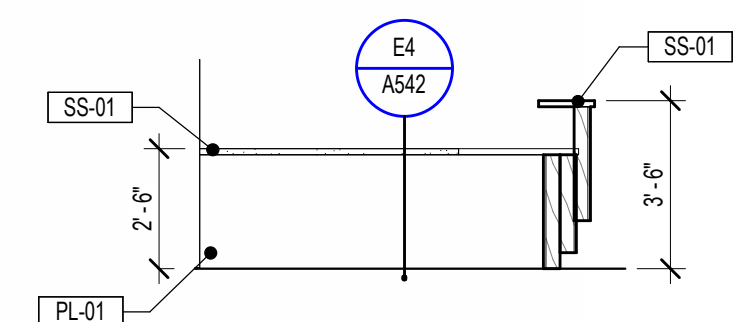
A2 | RECEPTION CASEWORK - SIDE

1/4" = 1'-0"



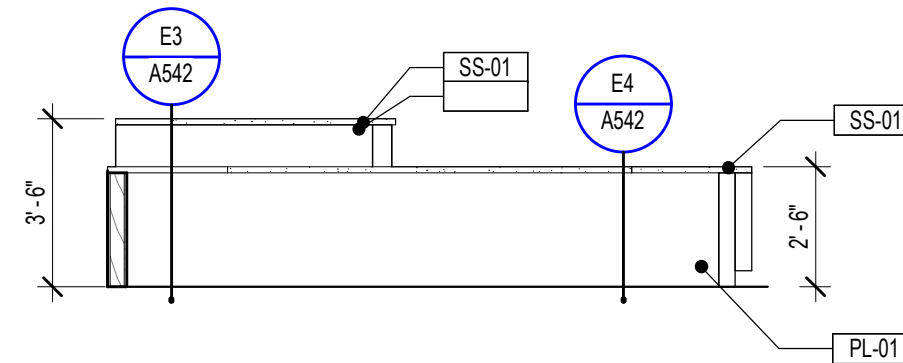
A3 | RECEPTION CASEWORK - FRONT

1/4" = 1'-0"



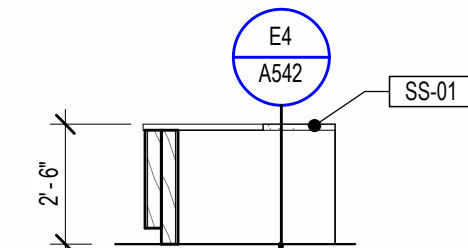
A4 | RECEPTION CASEWORK - INSIDE NORTH

1/4" = 1'-0"



A5 | RECEPTION CASEWORK - INSIDE EAST

1/4" = 1'-0"

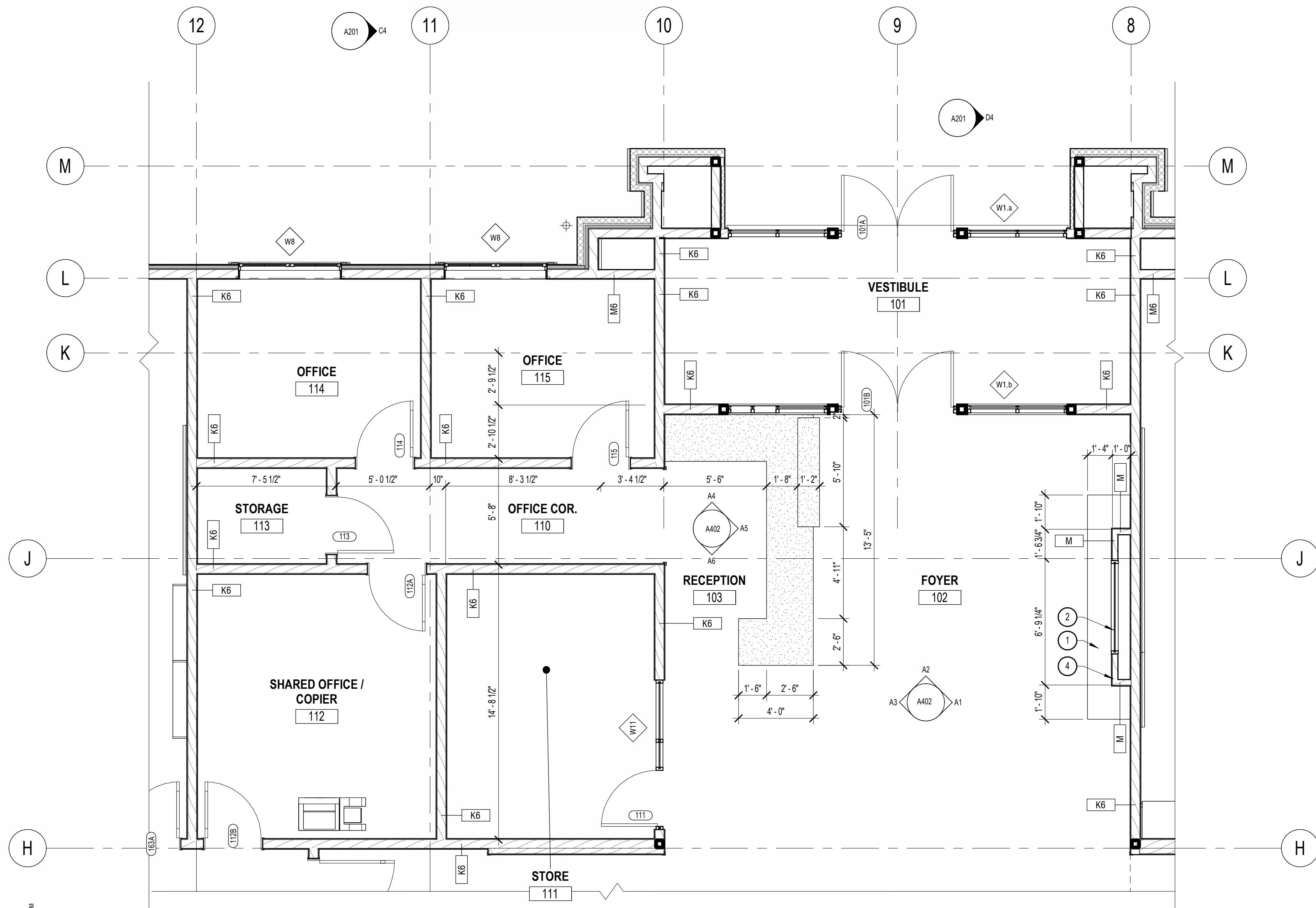


A6 | RECEPTION CASEWORK - INSIDE SOUTH

1/4" = 1'-0"

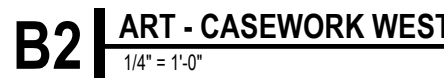


1 | RECEPTION DESK

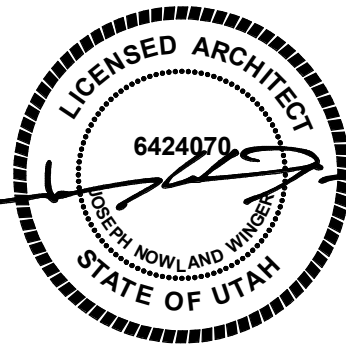


D5 | ENLARGED PLAN - LOBBY AND OFFICES

1/4" = 1'-0"



A403





Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 8466.

1. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, IMMEDIATELY NOTIFY ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL DIMENSIONS ARE TO COLUMN CENTRELINES, TO GROUNDES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
4. UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
5. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEViate FROM THE DOCUMENTS.
6. THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, MATERIALS, OR PRODUCT SPECIFICATIONS. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
7. SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
8. SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES, HARDWARE, ETC.
9. FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE "G" SHEETS.
10. ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CELL LINE.
11. SEE WALL TYPE CONSTRUCTION DETAILS ON SHEETS A511 AND ADDITIONAL DETAILS OF SHEETS A412 AND A413 FOR WALL TERMINATIONS, ETC.
12. HANG SIZE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
13. ALL COLUMN FURNISHING TO BE TIGHT TO COLUMN UNL.
14. ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
15. IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A PART SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BEING ALL WORK IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT DIRECTIONS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
16. BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
17. CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 24 HOUR FIRE STOPPED.
18. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
19. THE FURNITURE AND OUTLET E/F'S SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE PLACED LOCATION OF THE FURNITURE, OUTLETS E/F'S AND OTHER NEEDS WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
20. THE ELEVATOR AND SHAFTHOW SHOWN IN DOCUMENTS IS BASED ON THE THYSSENKRUPP ENDURA 3 STAGE SERIES 5000 HYDRAULIC ELEVATOR. SHAFTHOW AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.

	EXISTING CONSTRUCTION
	NON RATED
	NON RATED SMOKE PARTITION (IBC 710)
	1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

1 HOIST WAY BEAM - REFER TO STRUCTURAL

Revisions

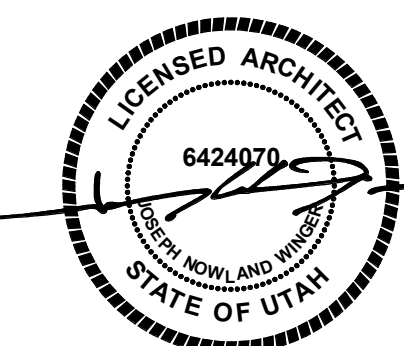
Num.	Description	Da
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Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Se

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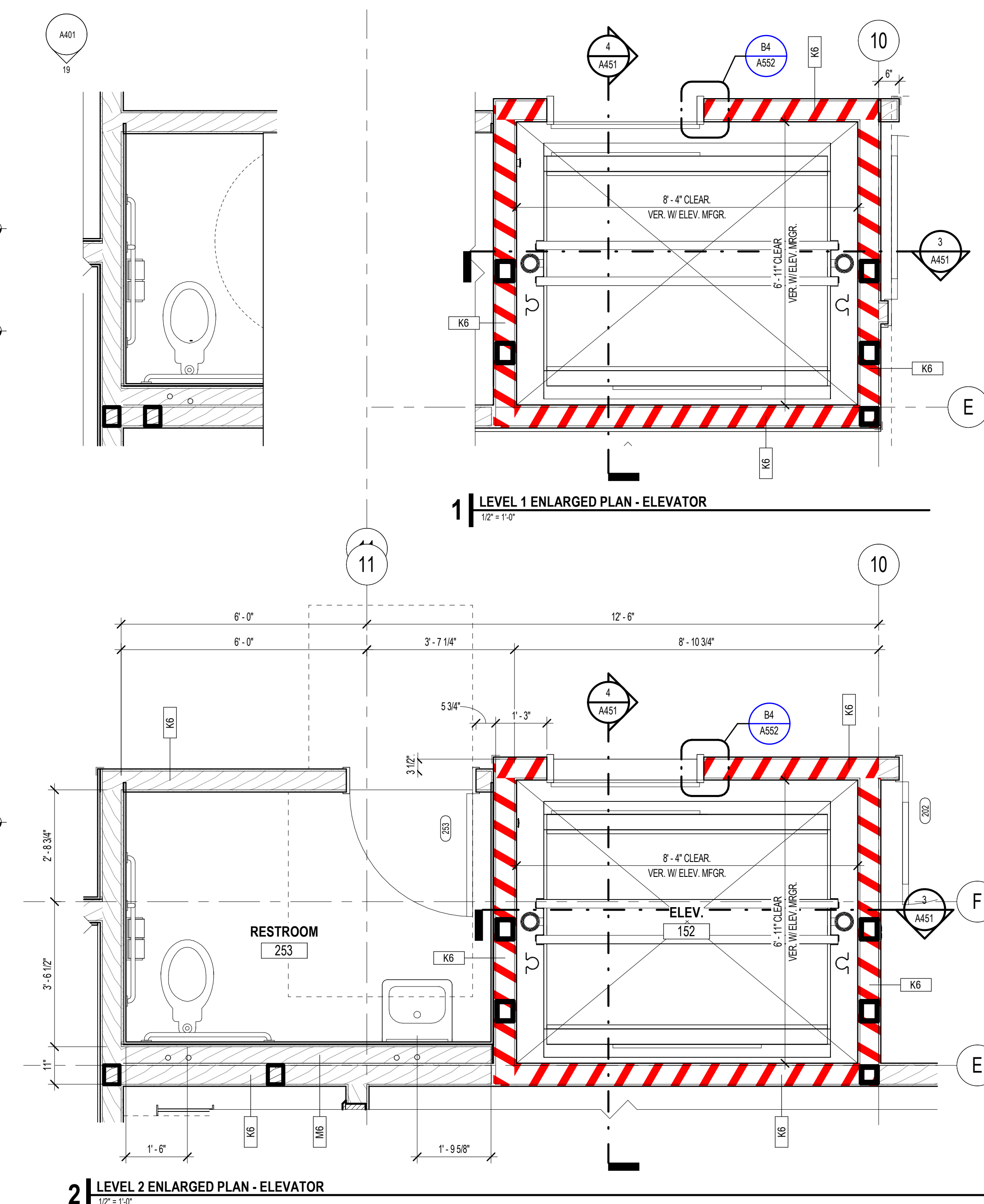
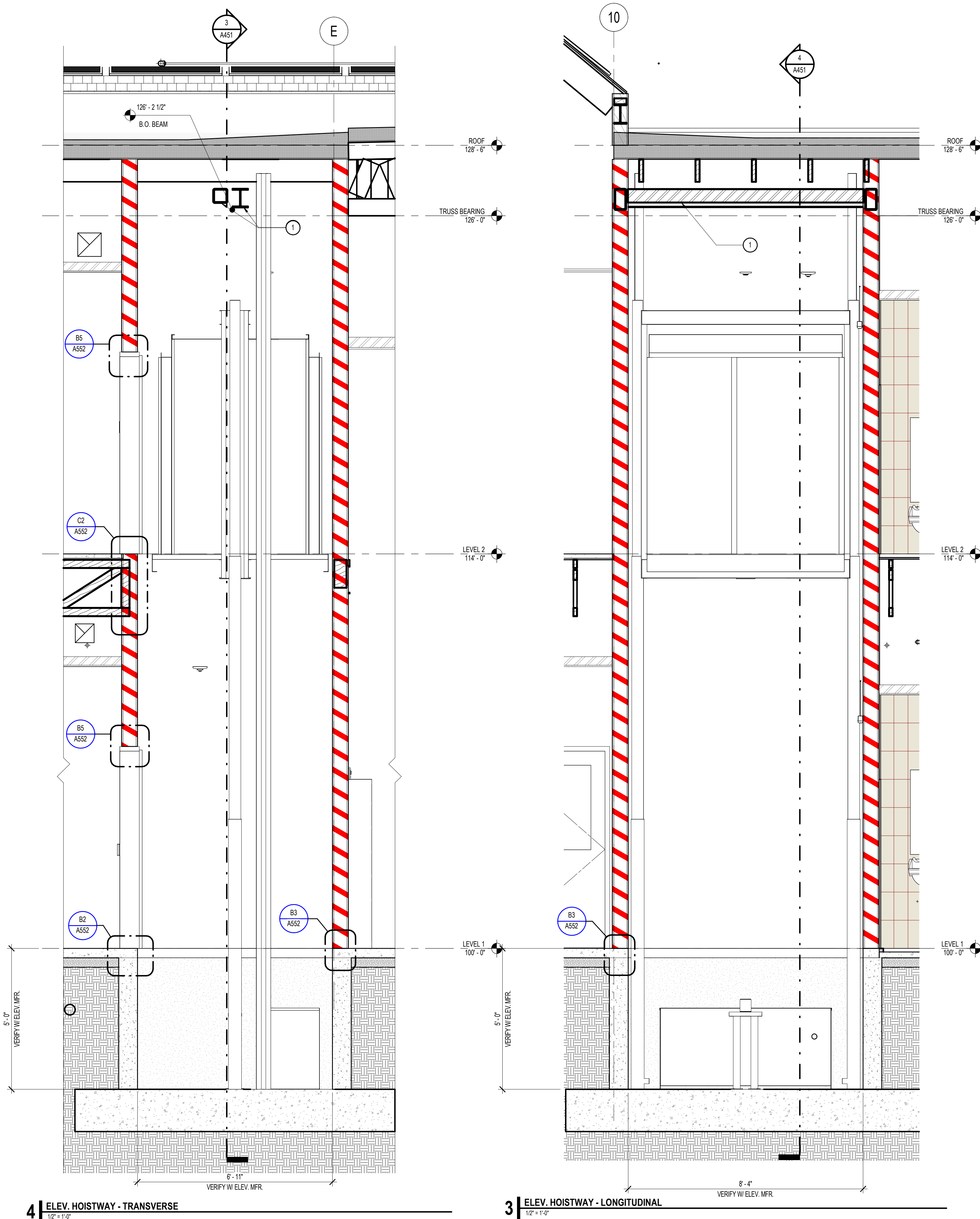


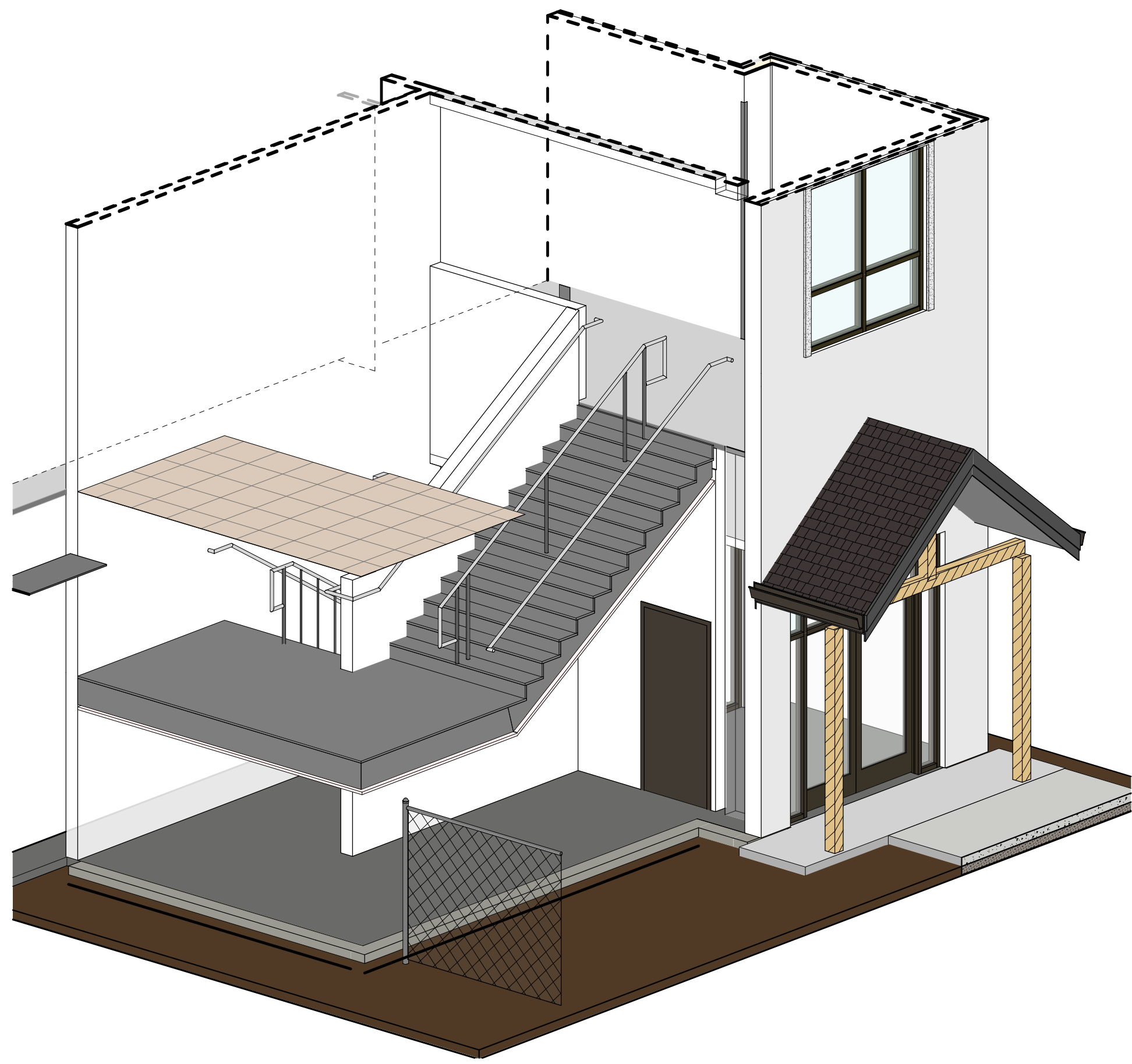
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ENLARGED
ELEVATOR PLANS,
SECTIONS, DETAILS

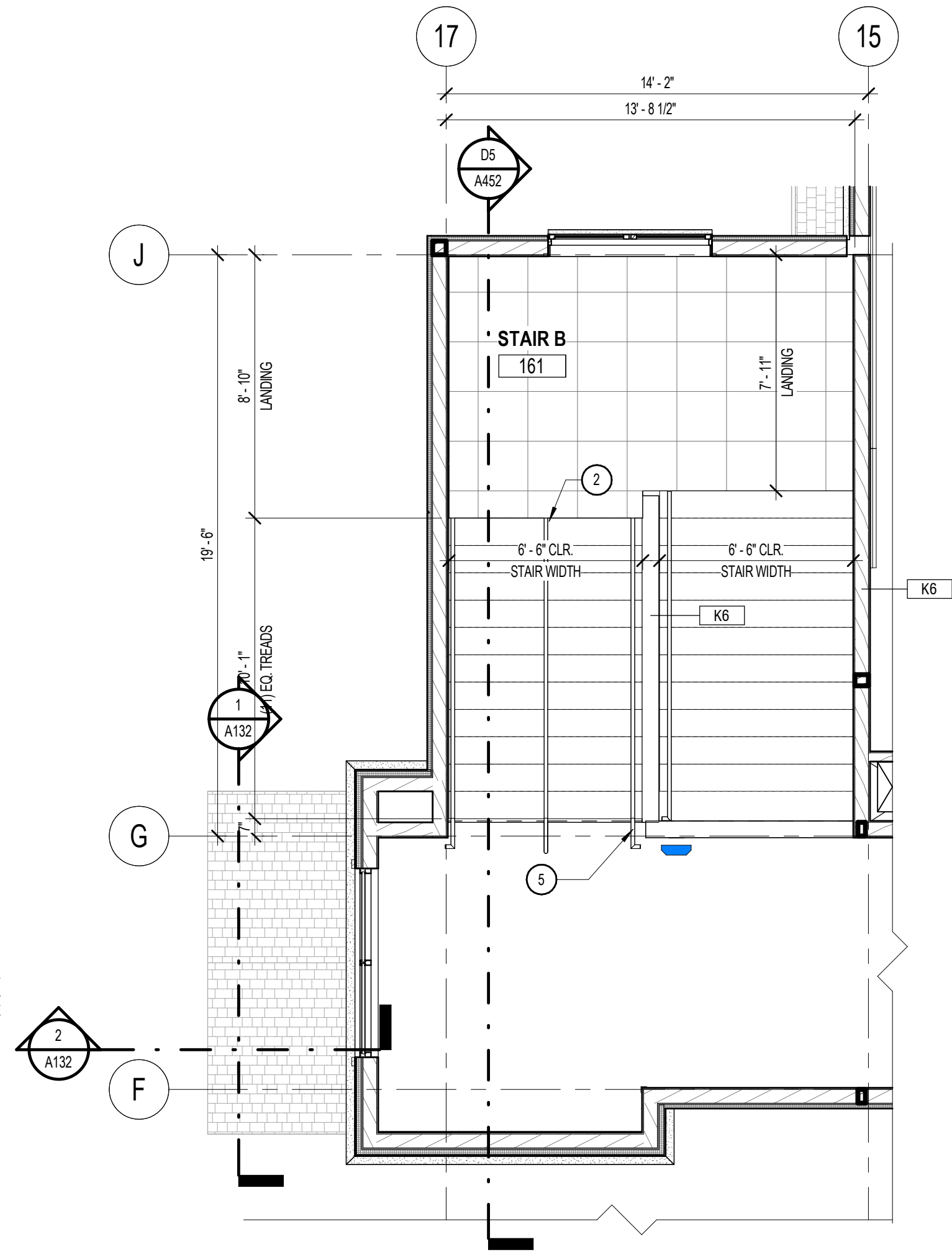
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A451

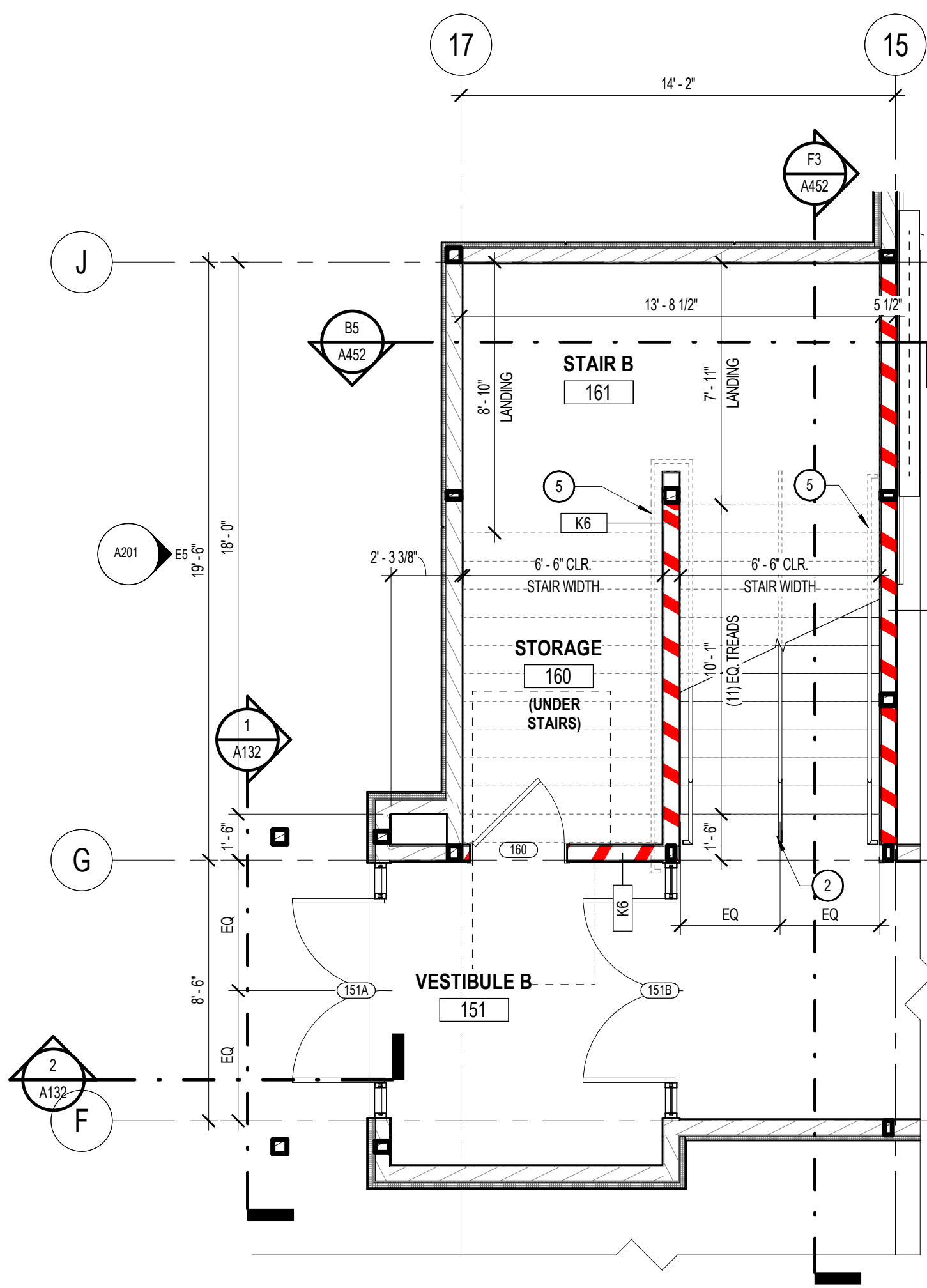




F2 | STAIR B - 3D VIEW



D2 | LEVEL 2 ENLARGED PLAN - STAIR B



B2 | LEVEL 1 ENLARGED PLAN - STAIR B

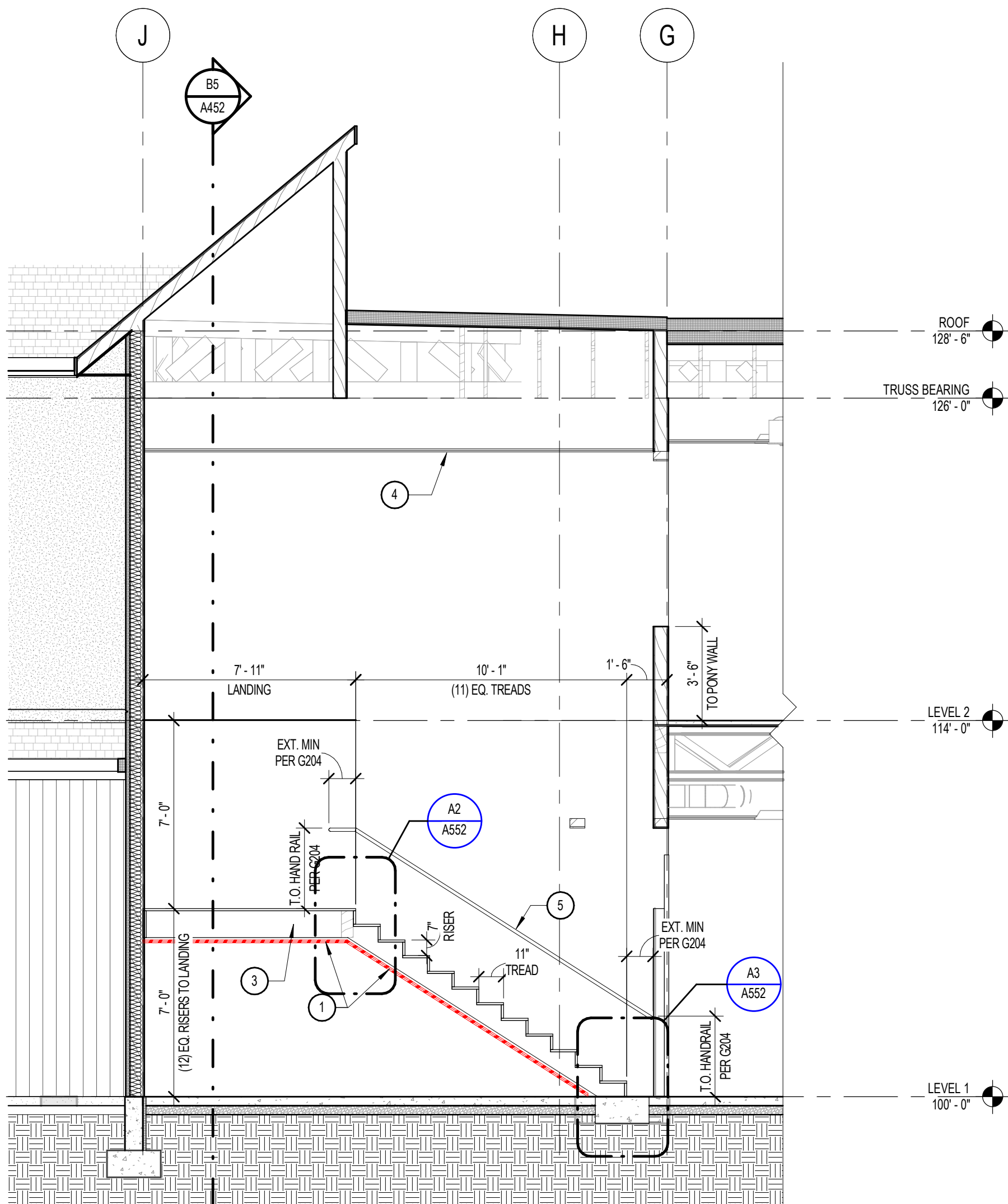
- VERTICAL CIRCULATION GENERAL NOTES**
- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
 - DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
 - ALL DIMENSIONS ARE TO COLUMN CENTERLINES, TO GRIDLINES OR TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
 - UNLESS NOTED OTHERWISE CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
 - CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN THE DOCUMENTS, AND OF ANY FIELD CONDITIONS THAT DEVIATE FROM THE DOCUMENTS.
 - THE ARCHITECT'S APPROVAL MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CHANGES IN DIMENSIONS, DESIGN, MATERIALS, PRODUCTS, AND FINISHES. IN NO CASE MAY THE CONTRACTOR MAKE THESE CHANGES WITHOUT THE APPROVAL OF THE ARCHITECT.
 - SHOP DRAWINGS AND OTHER SUBMITTALS ARE TO BE PRESENTED TO THE ARCHITECT FOR REVIEW PRIOR TO EXECUTION OF WORK. ALLOW APPROPRIATE TIME FOR REVIEW.
 - SEE DOOR AND WINDOW SCHEDULES FOR SIZES, TYPES, AND FINISHES. HARDWARE, ETC.
 - FOR BUILDING CODE REQUIREMENTS OR FIRE/SMOKE REQUIREMENTS, SEE 'G' SHEETS.
 - ALL FIRE RATED WALLS TO BE LABELED AS FIRE RATED. LABEL TO BE PLACED ABOVE CEILING LINE.
 - SEE WALL TYPE CONSTRUCTION DETAILS ON SHEET A611 AND ADDITIONAL DETAILS ON SHEETS A612 AND A613 FOR WALL TERMINATIONS, ETC.
 - HINGE SIDE OF DOORS ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
 - ANY COLUMN FURRING TO BE TIGHT TO COLUMN UNO.
 - ALL CONSTRUCTION SHALL CONFORM TO AND STRICTLY COMPLY WITH ALL APPLICABLE CODES, COVENANTS, RESTRICTIONS, AND OTHER REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
 - IN NO EVENT SHALL THE CONTRACTOR SUBMIT A STANDARD CONSTRUCTION DETAIL FOR A DETAIL SPECIFIED IN THESE DOCUMENTS WITHOUT THE APPROVAL IN WRITING FROM THE ARCHITECT. THE CONTRACTOR SHALL BRING ALL WORK INTO CONFORMITY WITH THE CONSTRUCTION DOCUMENTS, AS THE ARCHITECT ORDERS, BEFORE APPROVAL OF THAT PORTION OF THE PROJECT WILL BE GRANTED.
 - BRACE ALL CEILINGS AND NON-LOAD BEARING WALLS AS REQUIRED.
 - CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. ALL PENETRATIONS ARE TO BE 2-HOUR FIRE STOPPED.
 - COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA, AND OTHER SYSTEM LOCATIONS AND REQUIREMENTS.
 - THE FURNITURE AND OTHER F.F.E. SHOWN ON DRAWINGS IS SCHEMATIC AND IS ONLY TO BE USED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ELECTRICAL OUTLETS AND OTHER NEEDS WITH THE OWNER AND ARCHITECT, PRIOR TO INSTALLATION.
 - THE ELEVATOR AND SHAFT SHOWN IN DOCUMENTS IS BASED ON THE THYSSENKRUPP ENDURA 2 STAGE SERIES 3500# HYDRAULIC ELEVATOR. SHAFT AND PIT DIMENSIONS SHALL BE COORDINATED WITH THE EXACT MAKE AND MODEL OF THE ELEVATOR BY THE GENERAL CONTRACTOR.

FIRE RATING LEGEND

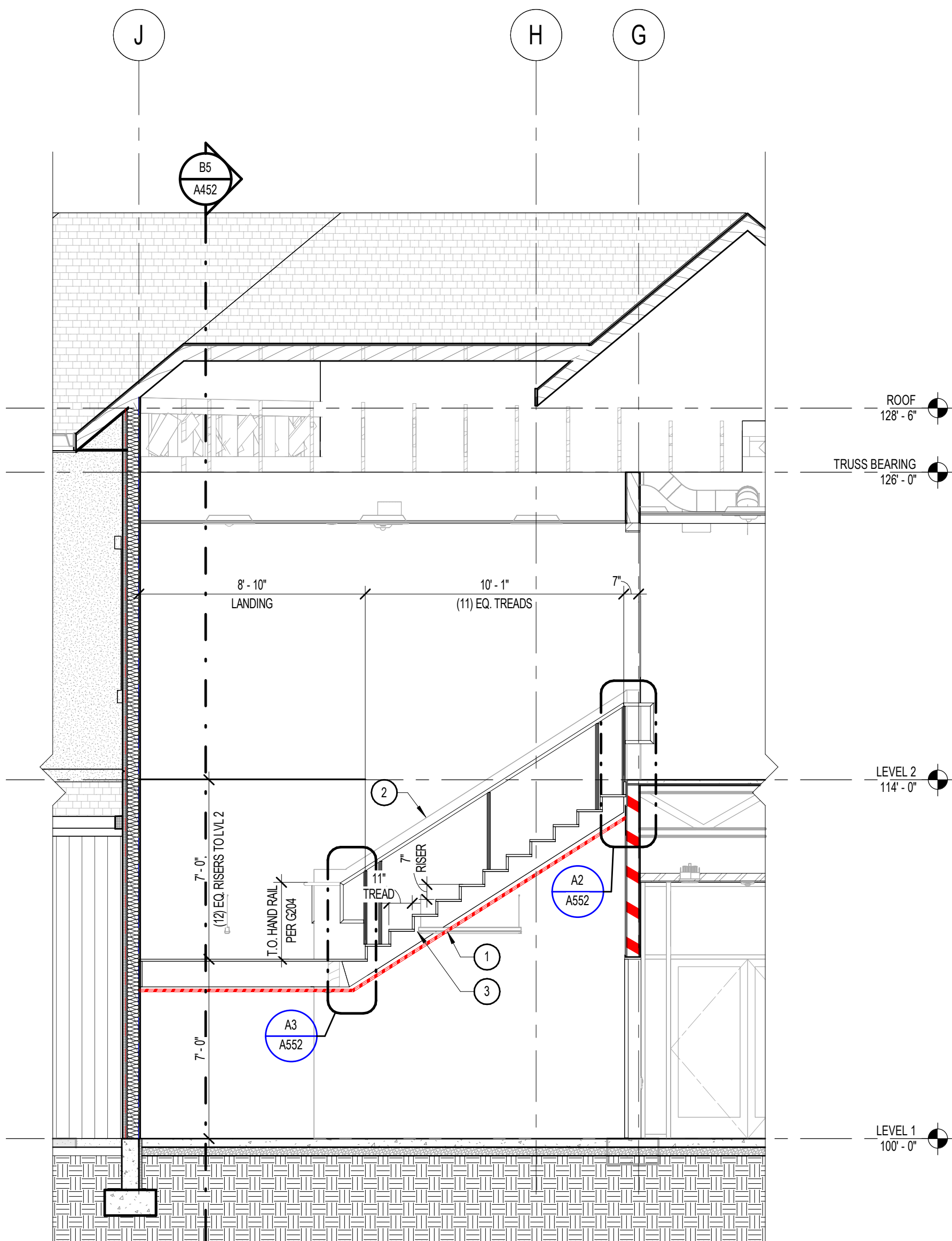
NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY PERCEIVE THE RATED WALL CONDITION.

---	EXISTING CONSTRUCTION
---	NON RATED
---	NON RATED SMOKE PARTITION (IBC 710)
---	1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

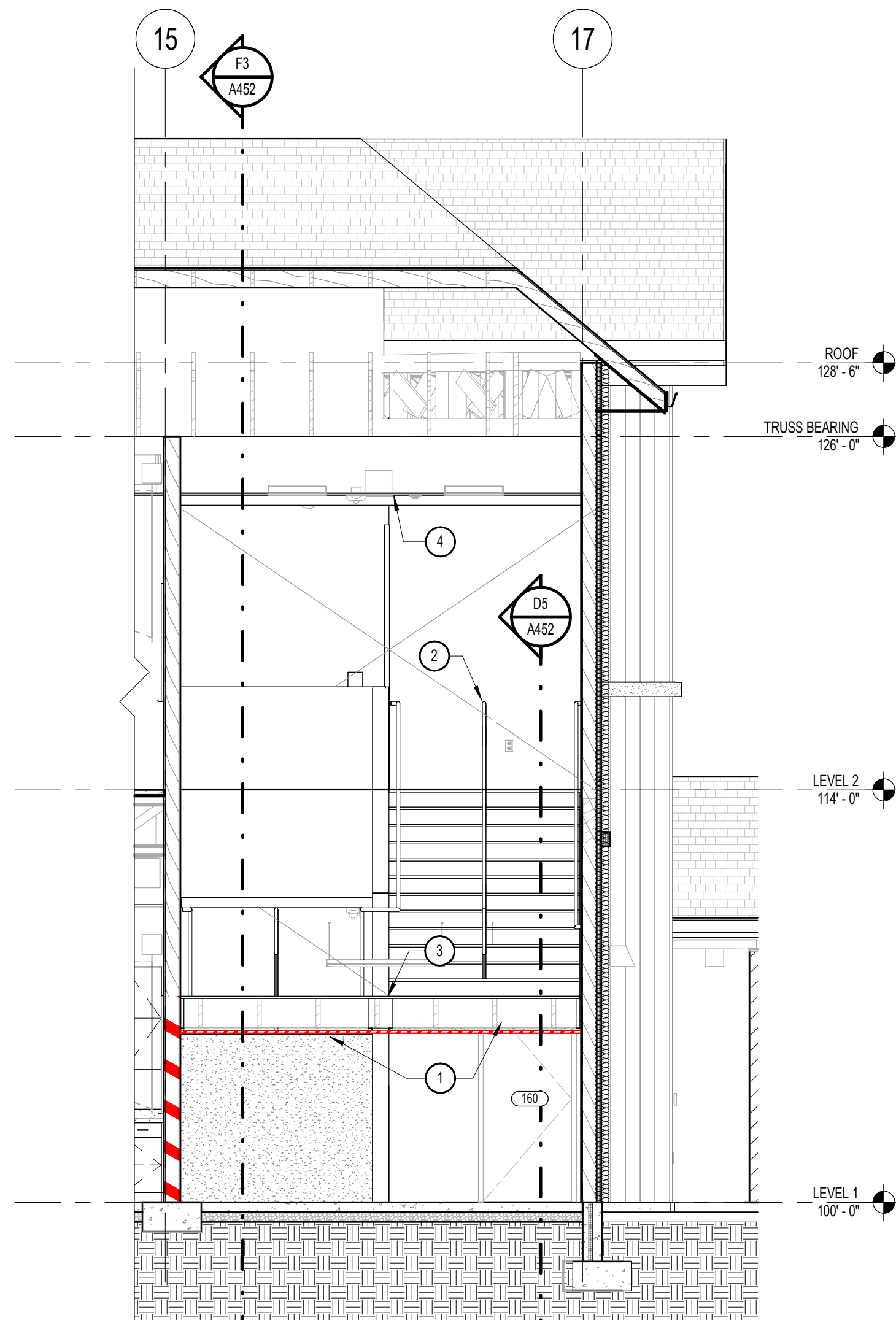
- SHEET NOTES**
- NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.
- FIRE-RATED HORIZONTAL ASSEMBLY - FIRE RATINGS TO MATCH THAT OF ADJACENT WALLS. REFER TO U.L. LISTINGS FOR ASSEMBLY DETAILS.
 - varies
 - WOOD STAIR ASSEMBLY. SEE ARCHITECTURAL AND STRUCTURAL DETAILS.
 - CEILING AS SCHEDULED
 - WALL MOUNTED HANDRAIL. SEE DETAILS.



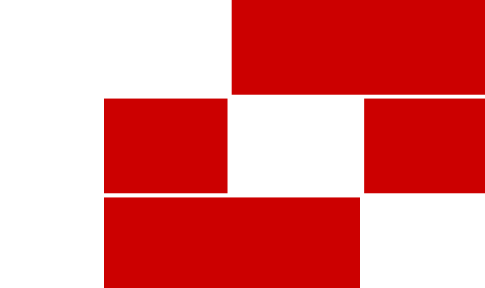
F3 | STAIR B - STAIR SECTION - LONGITUDINAL 01



D5 | STAIR B - STAIR SECTION - LONGITUDINAL 1



B5 | STAIR B - STAIR SECTION - TRANSVERSE 1



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

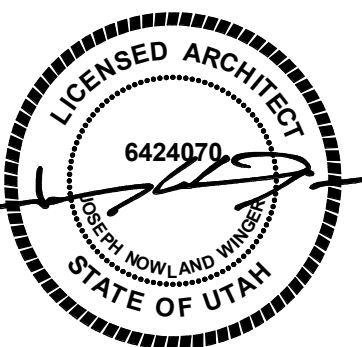
Revisions

Num.	Description	Date
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Project Number 25526
Original Issue 09.04.2026
Project Status Permit & Bid Set

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Sheet Title

ENLARGED VERTICAL
CIRCULATION PLANS,
SECTIONS, DETAILS

Sheet Number

A452



- FIRE RATING LEGEND**

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.

	EXISTING CONSTRUCTION
	NON RATED
	NON RATED SMOKE PARTITION (IBC 710)
	1-HR FIRE BARRIER/PARTITION (IBC 707, 708)

SHEET NOTES

NOTE: THESE NOTES APPLY TO THIS SHEET ONLY.

- 1 FIRE-RATED HORIZONTAL ASSEMBLY - FIRE RATING TO MATCH THAT OF ADJACENT WALLS. REFER
TO U.L. LISTINGS FOR ASSEMBLY DETAILS.
- 2
- 3 WOOD STAIR ASSEMBLY. SEE ARCHITECTURAL AND STRUCTURAL DETAILS.
- 4 CEILING AS SCHEDULED
- 5 WALL MOUNTED HANDRAIL, SEE DETAILS.



Revisions

Name	Description	Date
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Original Issue	09.04.2026
Project Status	Permit & Bid Set

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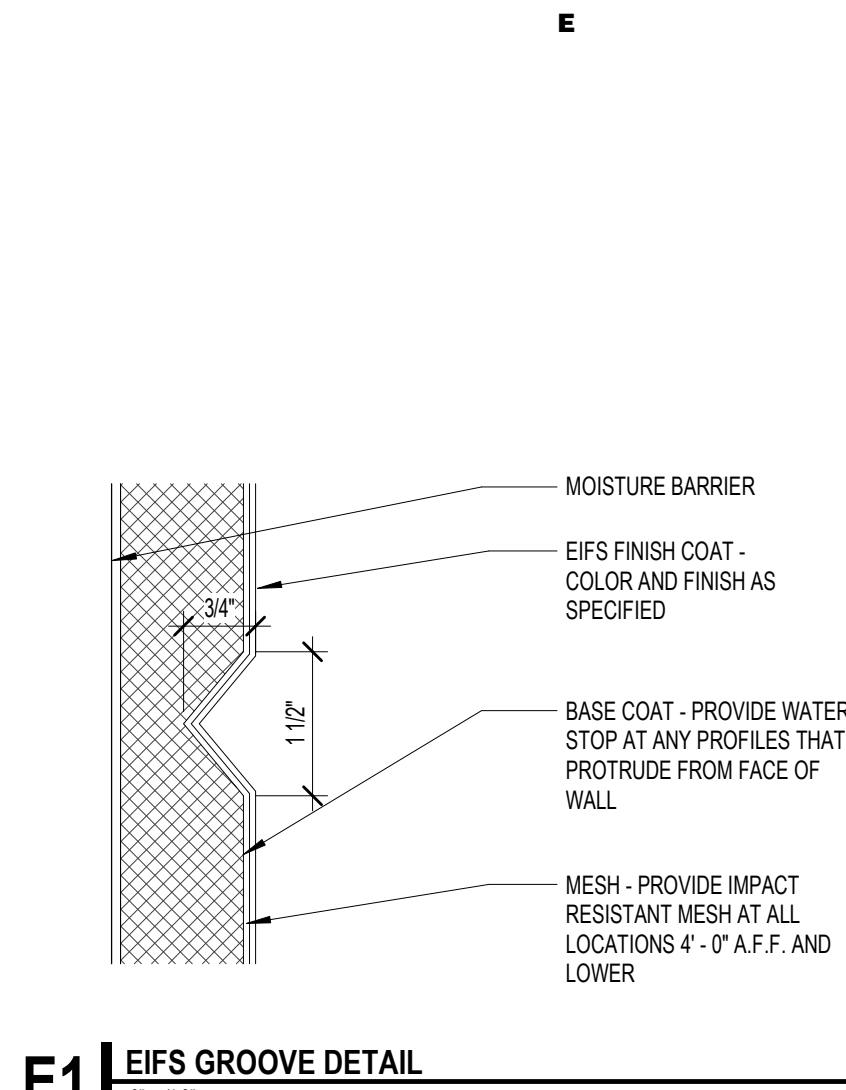
ENLARGED VERTICAL CIRCULATION PLANS, SECTIONS, DETAILS

Sheet Number

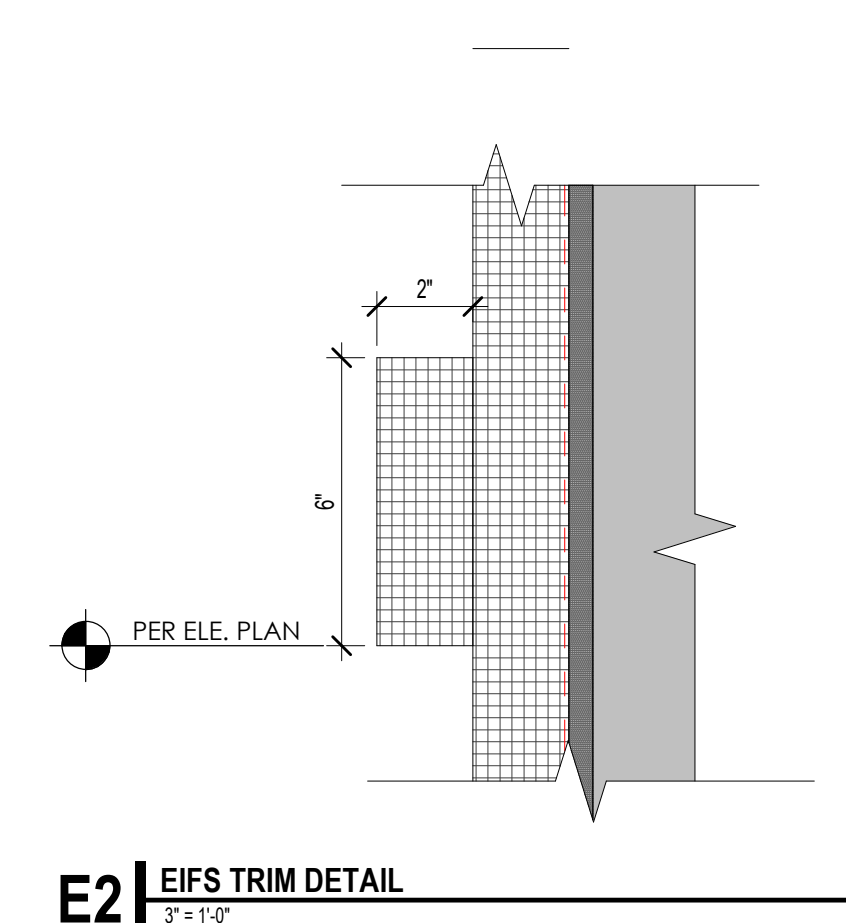
A453

1
2
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5

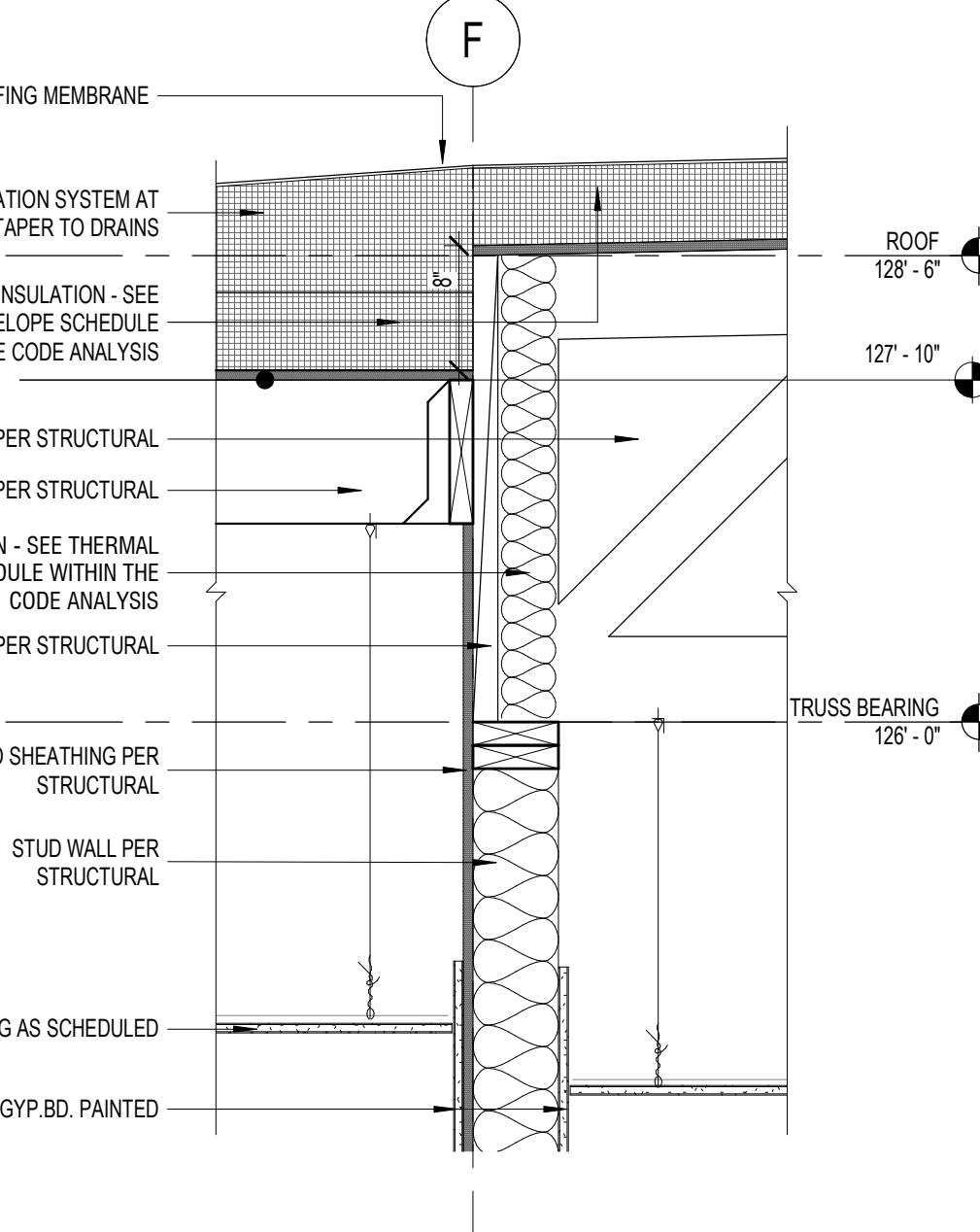
F
E
D
C
B
A



E1 | EIFS GROOVE DETAIL
8" x 1'-0"



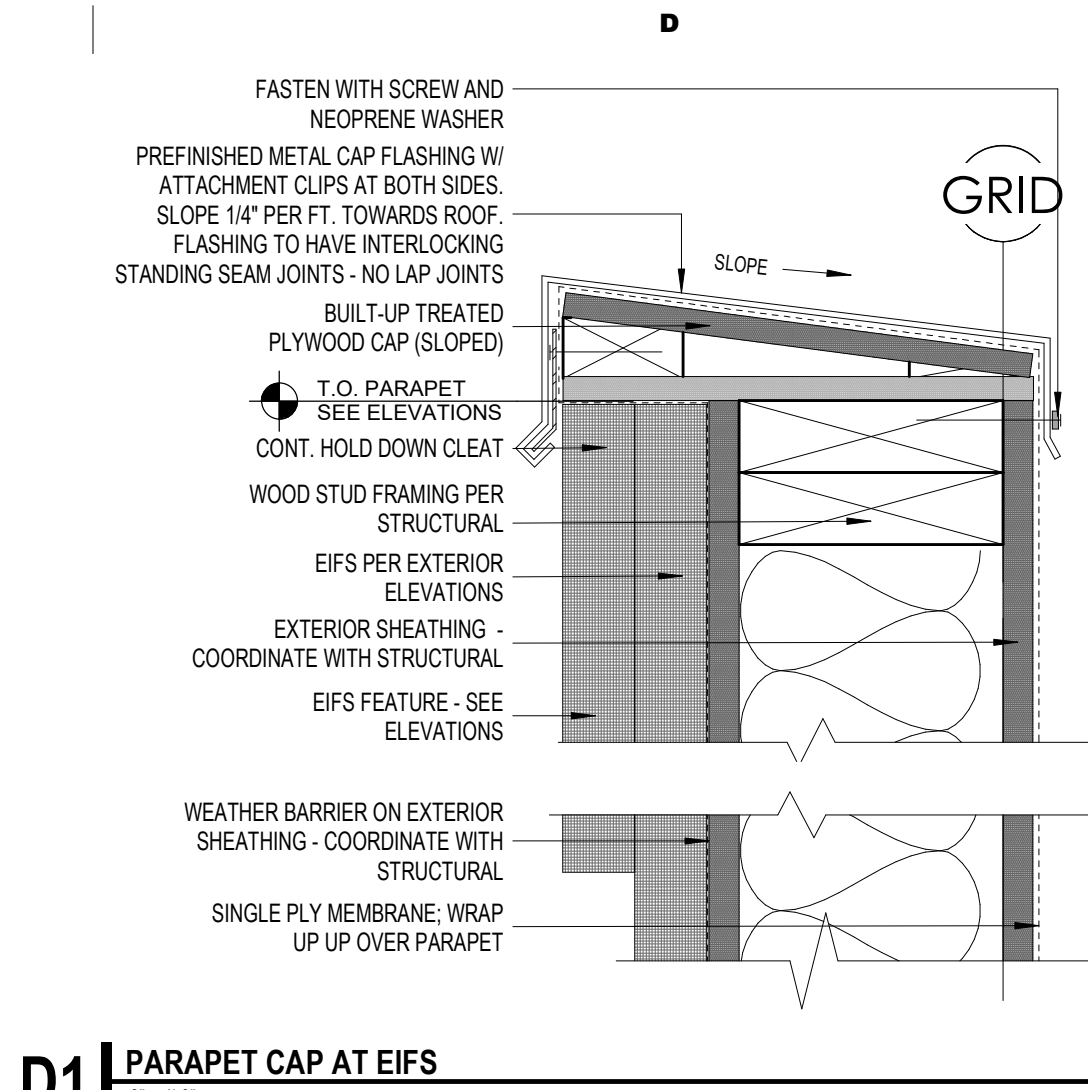
E2 | EIFS TRIM DETAIL
3" x 1'-0"



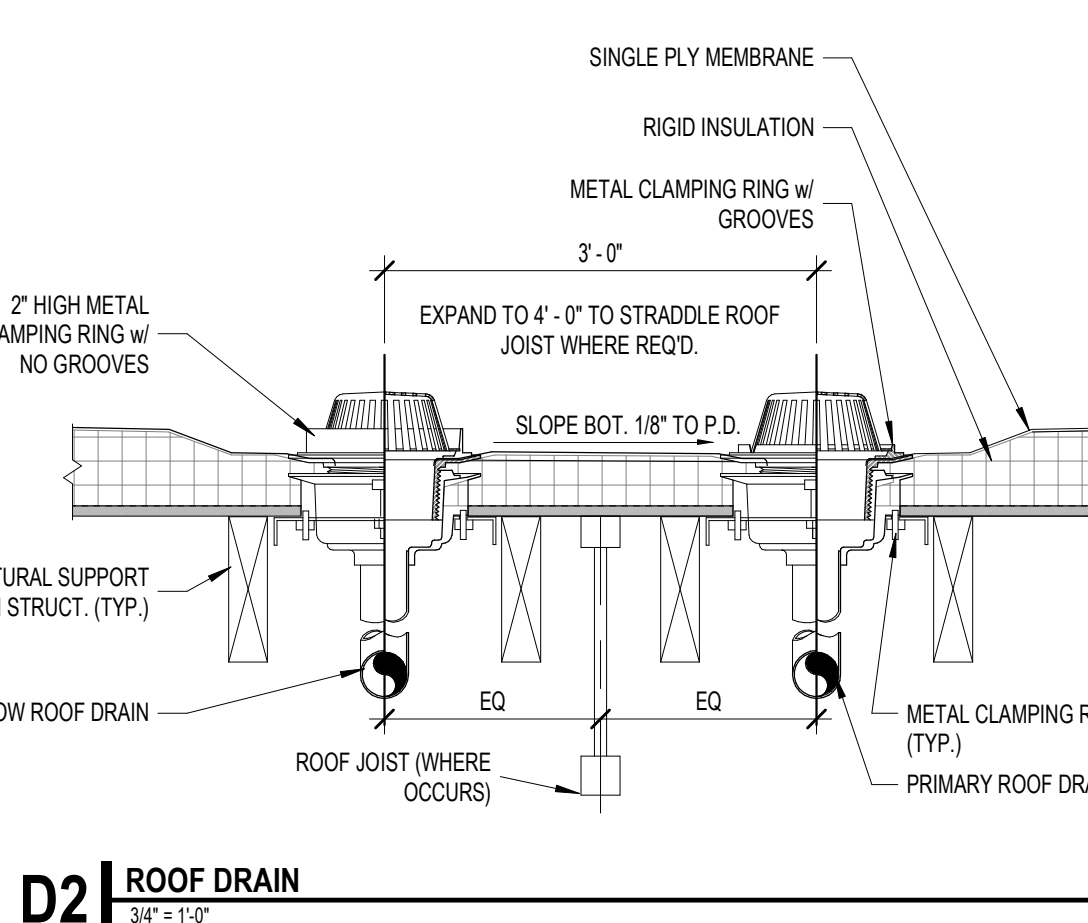
E3 | CORRIDOR ROOF DETAIL
8" x 1'-0"



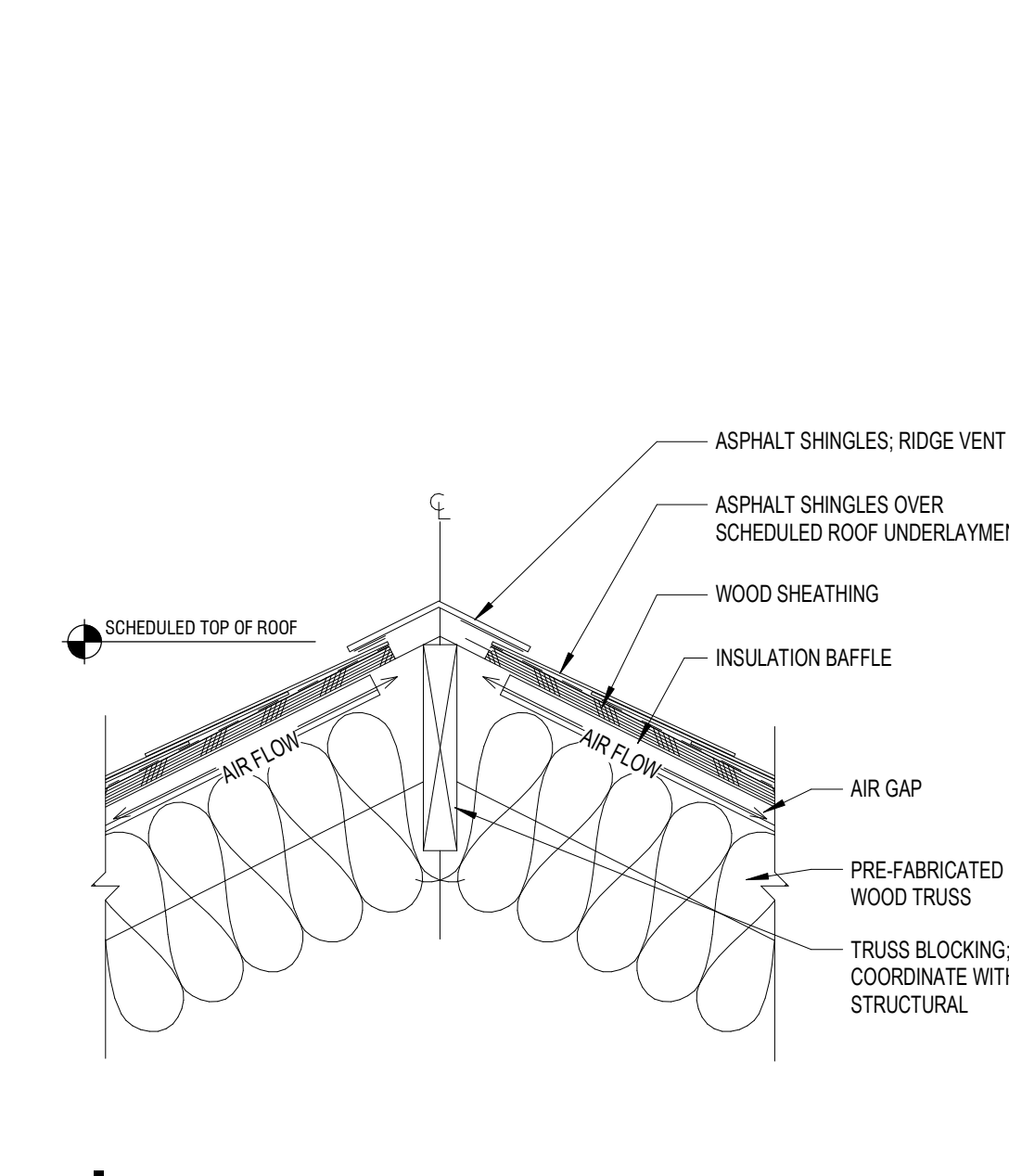
E4 | CORRIDOR ROOF DETAIL
8" x 1'-0"



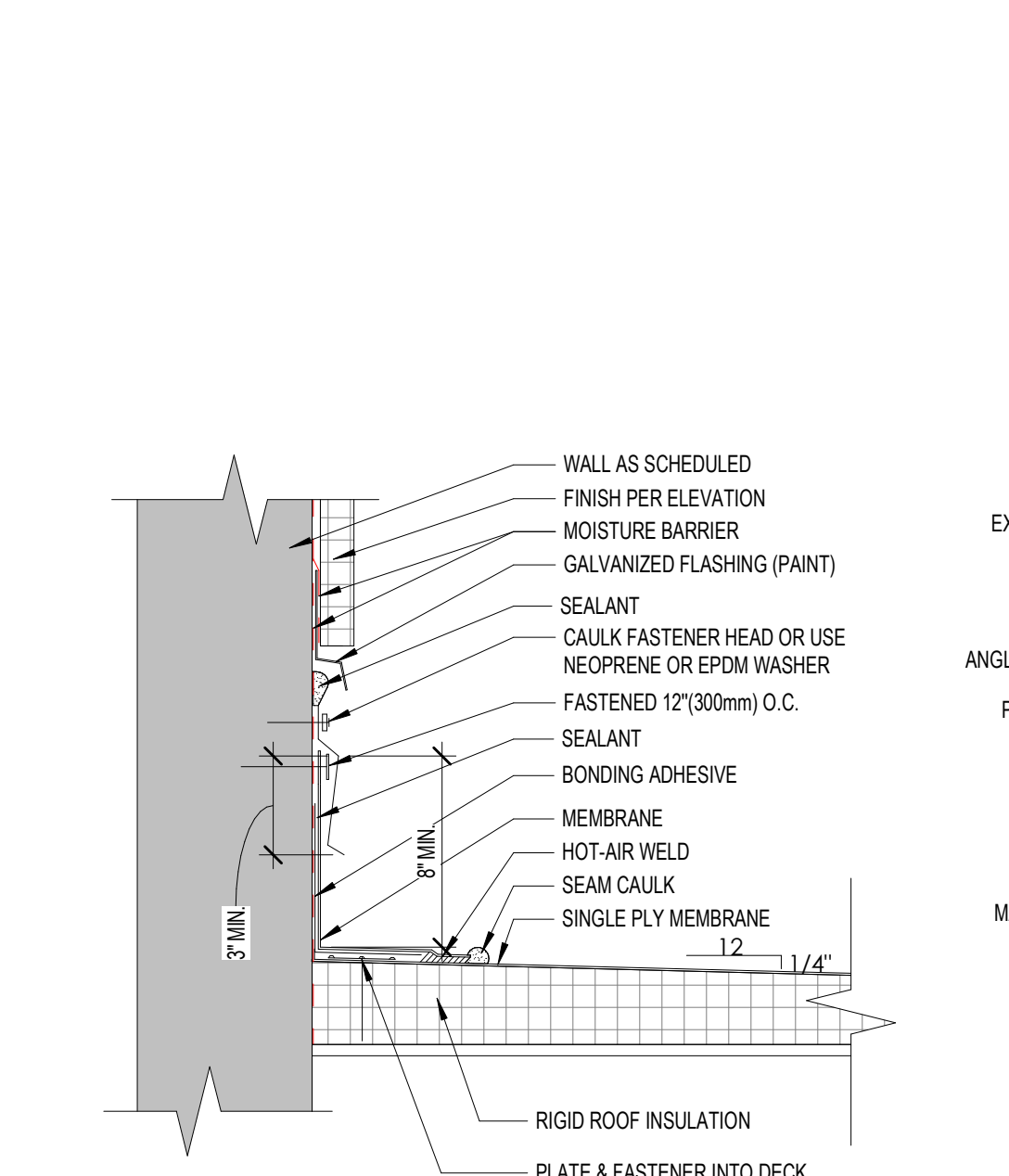
D1 | PARAPET CAP AT EIFS
3" x 1'-0"



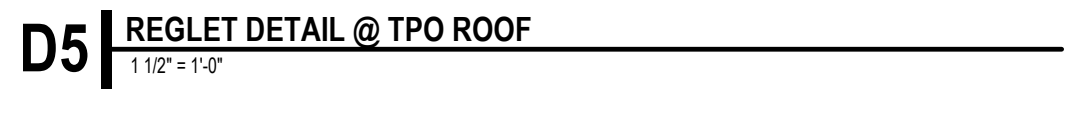
D2 | ROOF DRAIN
36" x 1'-0"



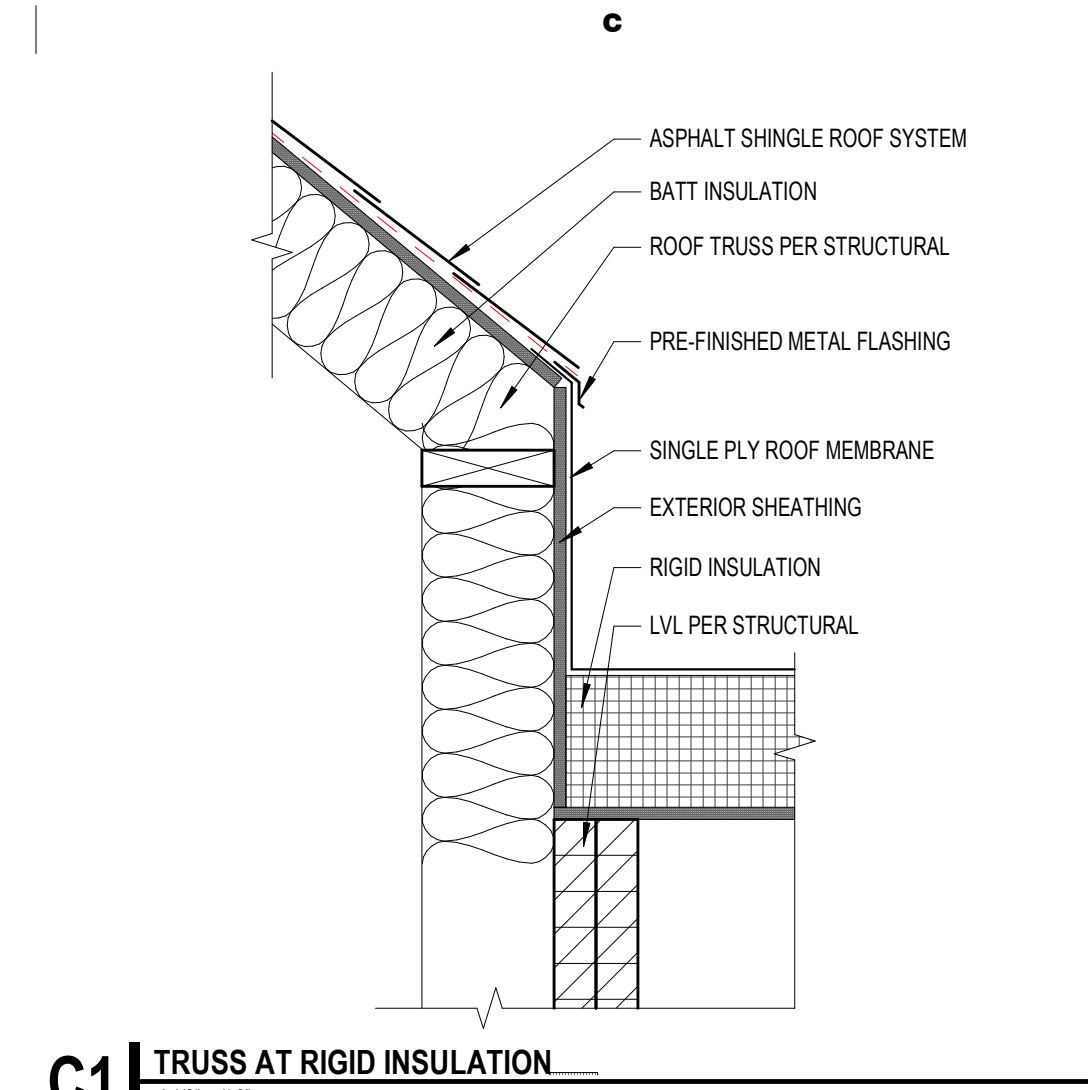
D3 | RIDGE VENT DETAIL
1'-0" x 1'-0"



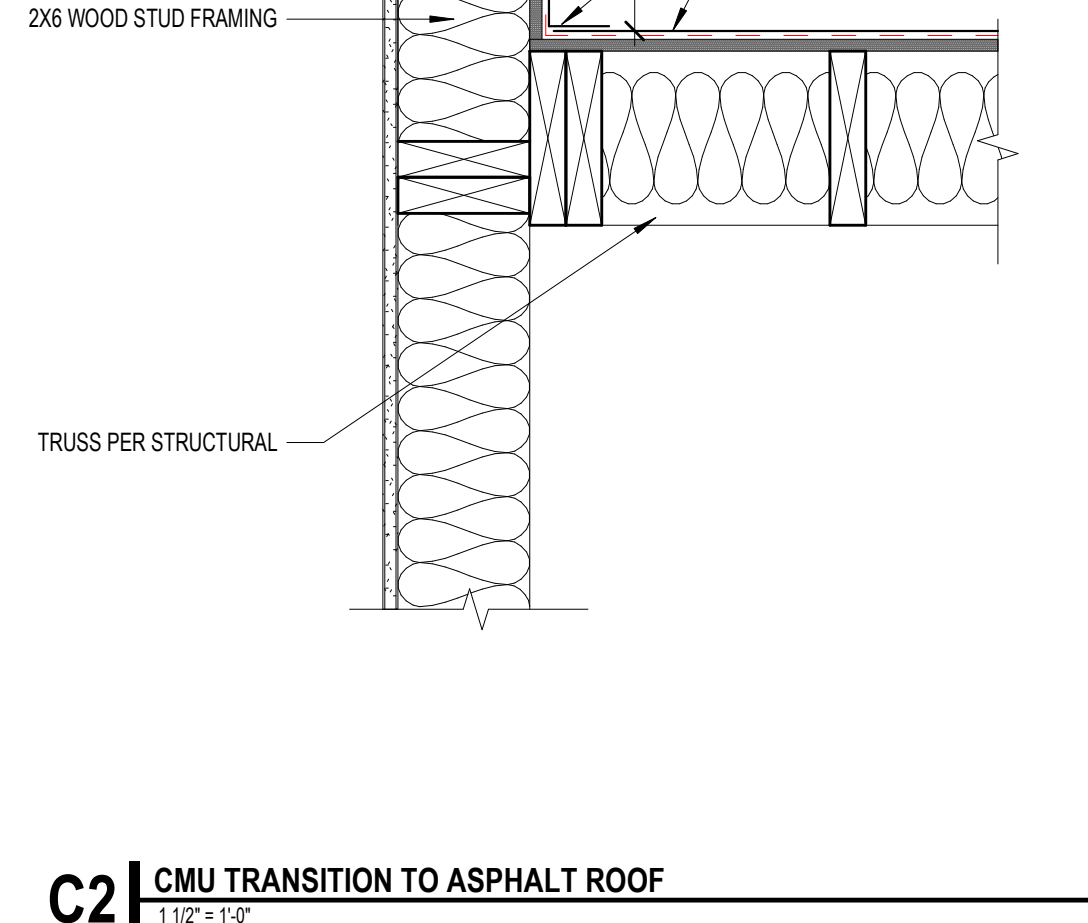
D4 | RIDGE VENT DETAIL
1'-0" x 1'-0"



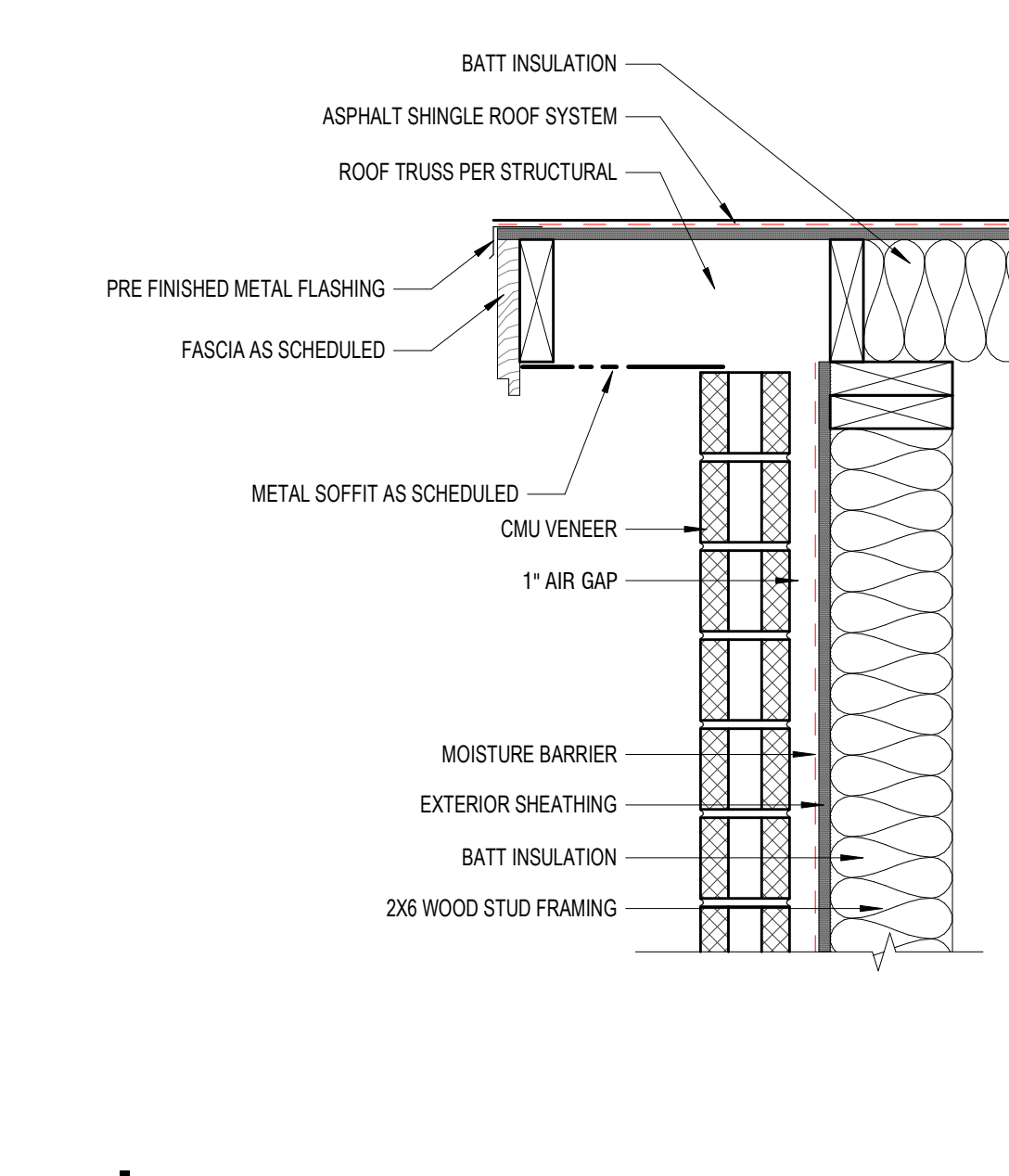
D5 | REGLET DETAIL @ TPO ROOF
1'-0" x 1'-0"



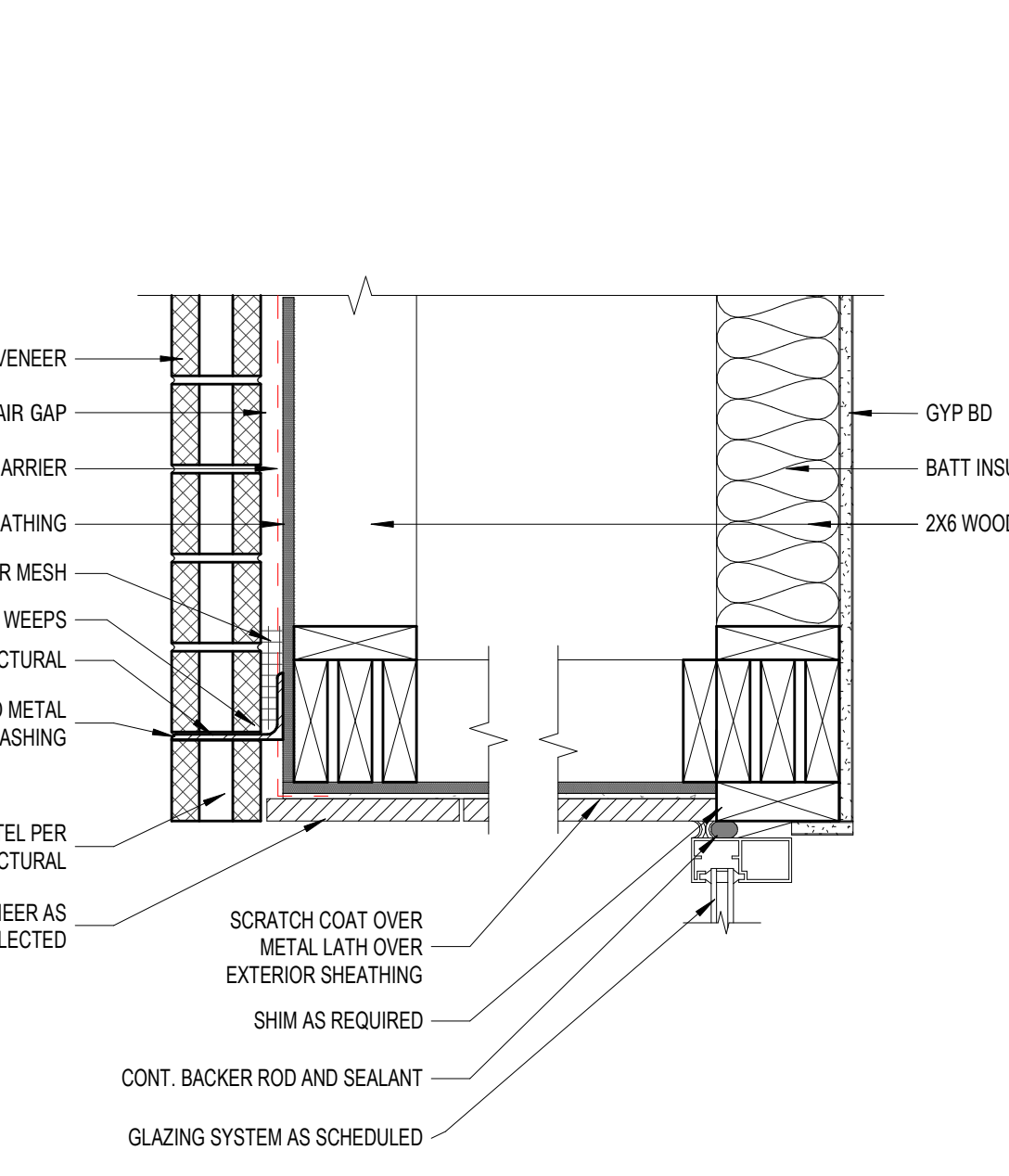
C1 | TRUSS AT RIGID INSULATION
1'-0" x 1'-0"



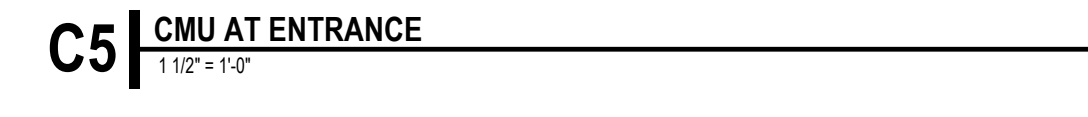
C2 | CMU TRANSITION TO ASPHALT ROOF
1'-0" x 1'-0"



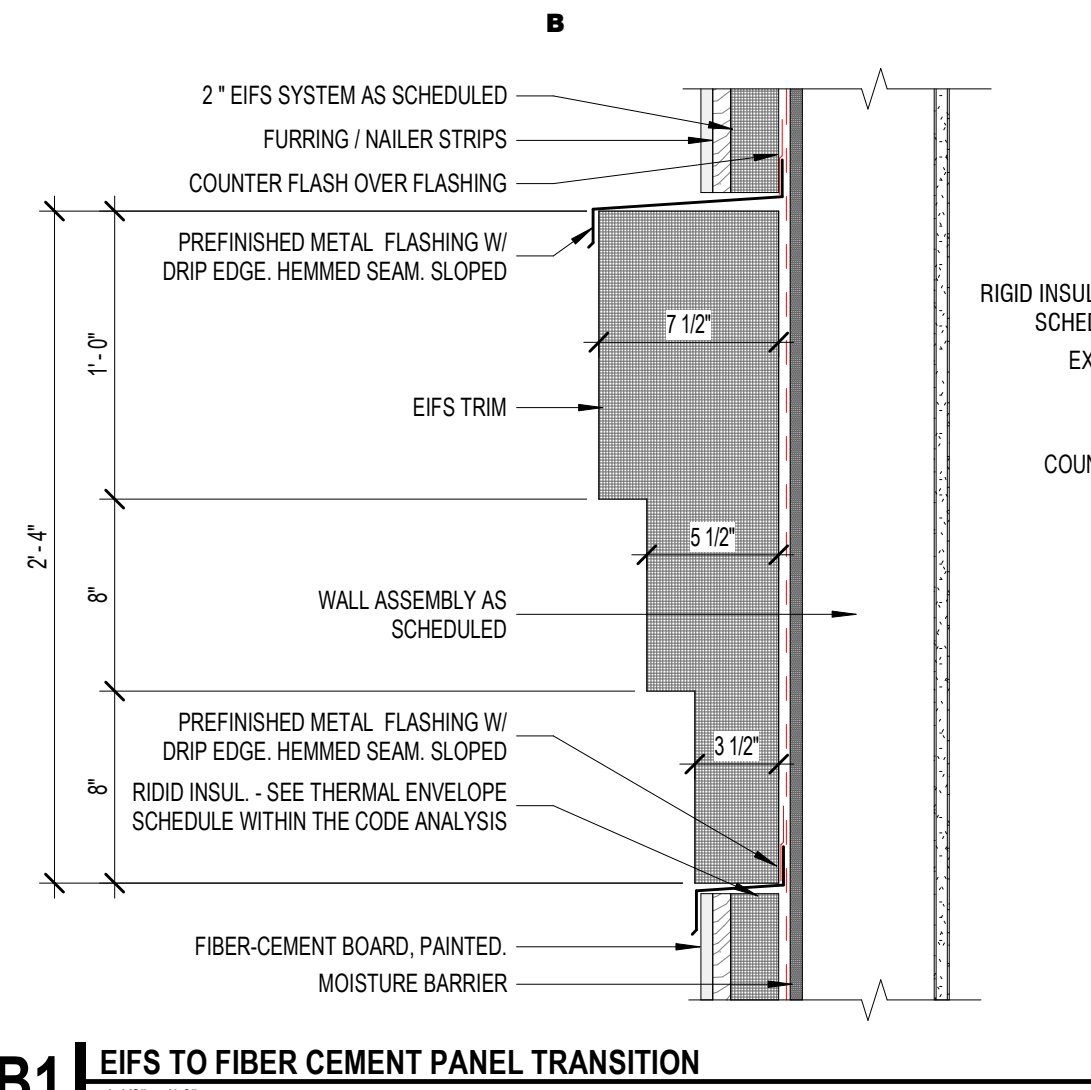
C3 | RAKE DETAIL AT CMU
1'-0" x 1'-0"



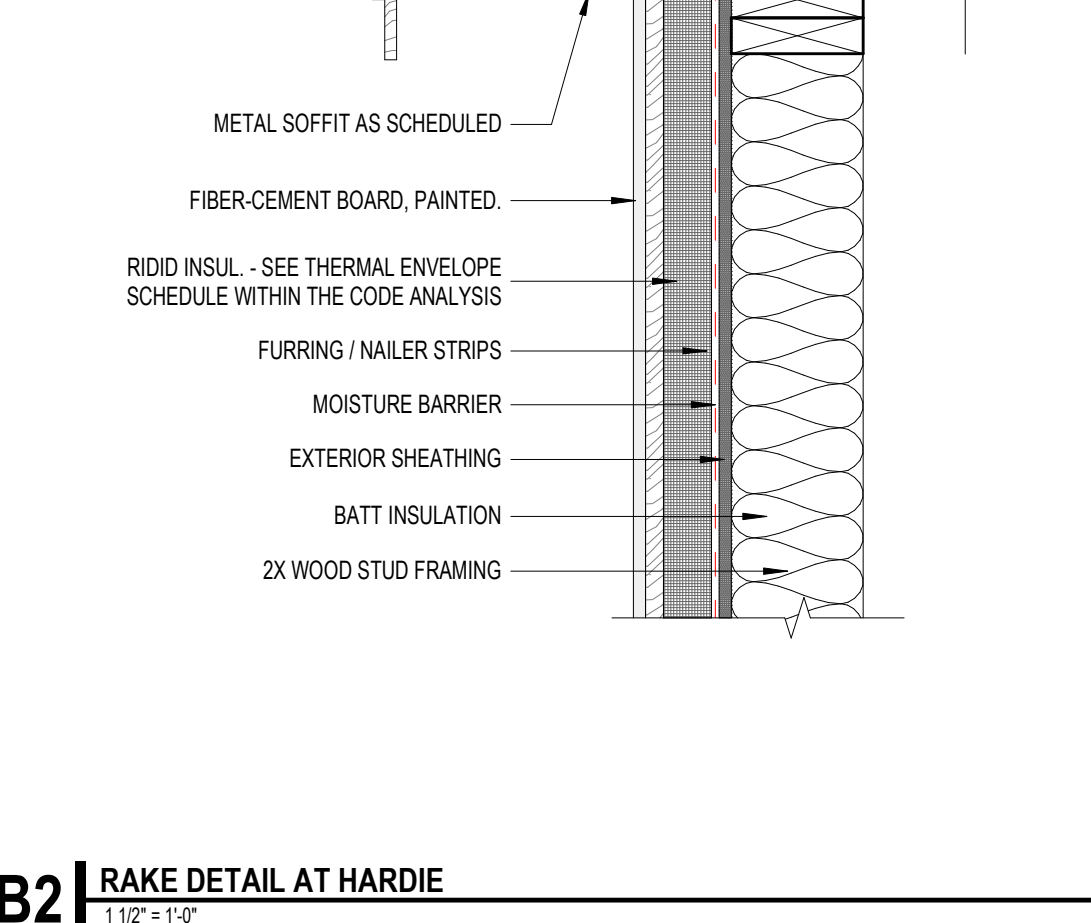
C4 | RAKE DETAIL AT CMU
1'-0" x 1'-0"



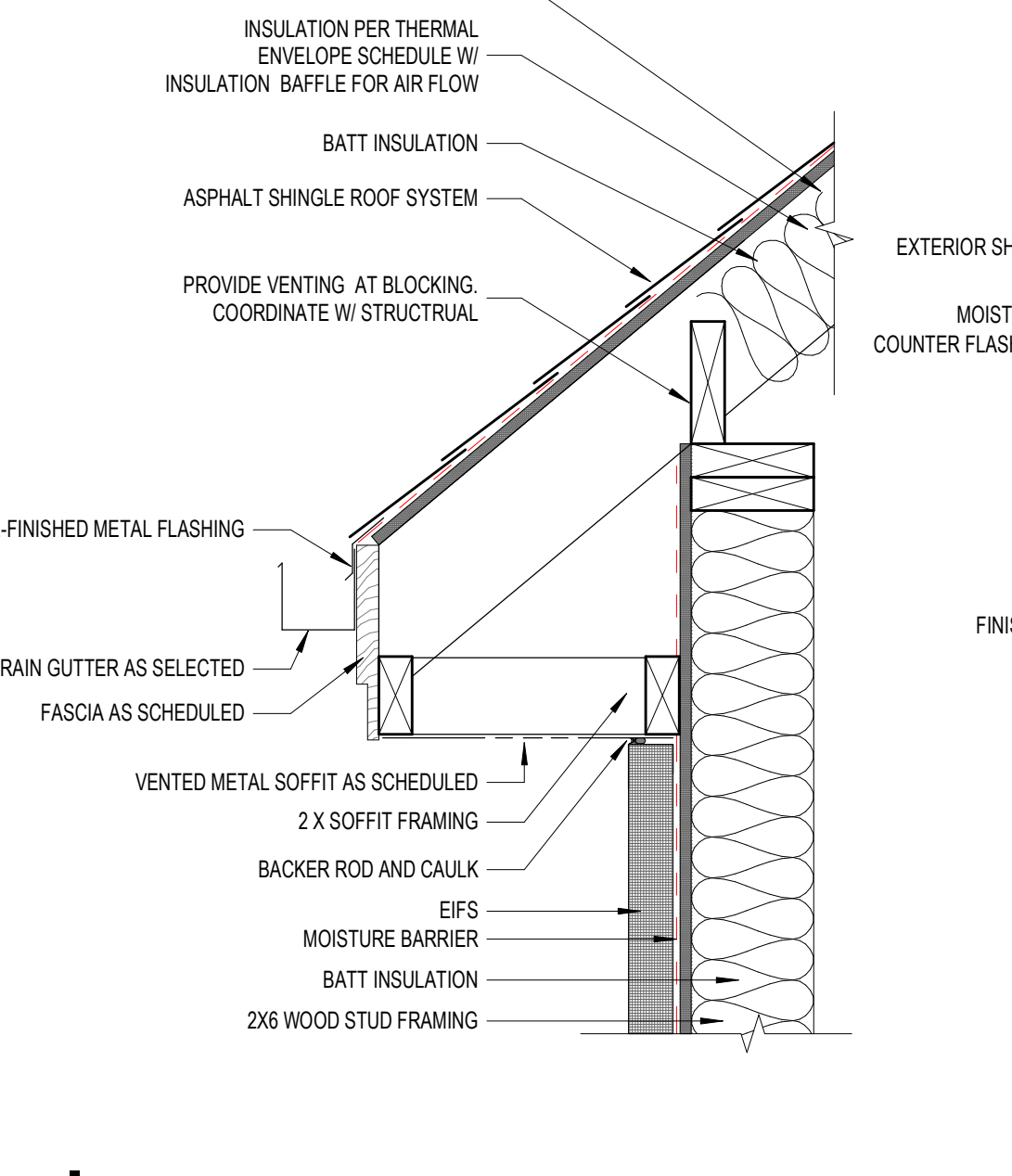
C5 | CMU AT ENTRANCE
1'-0" x 1'-0"



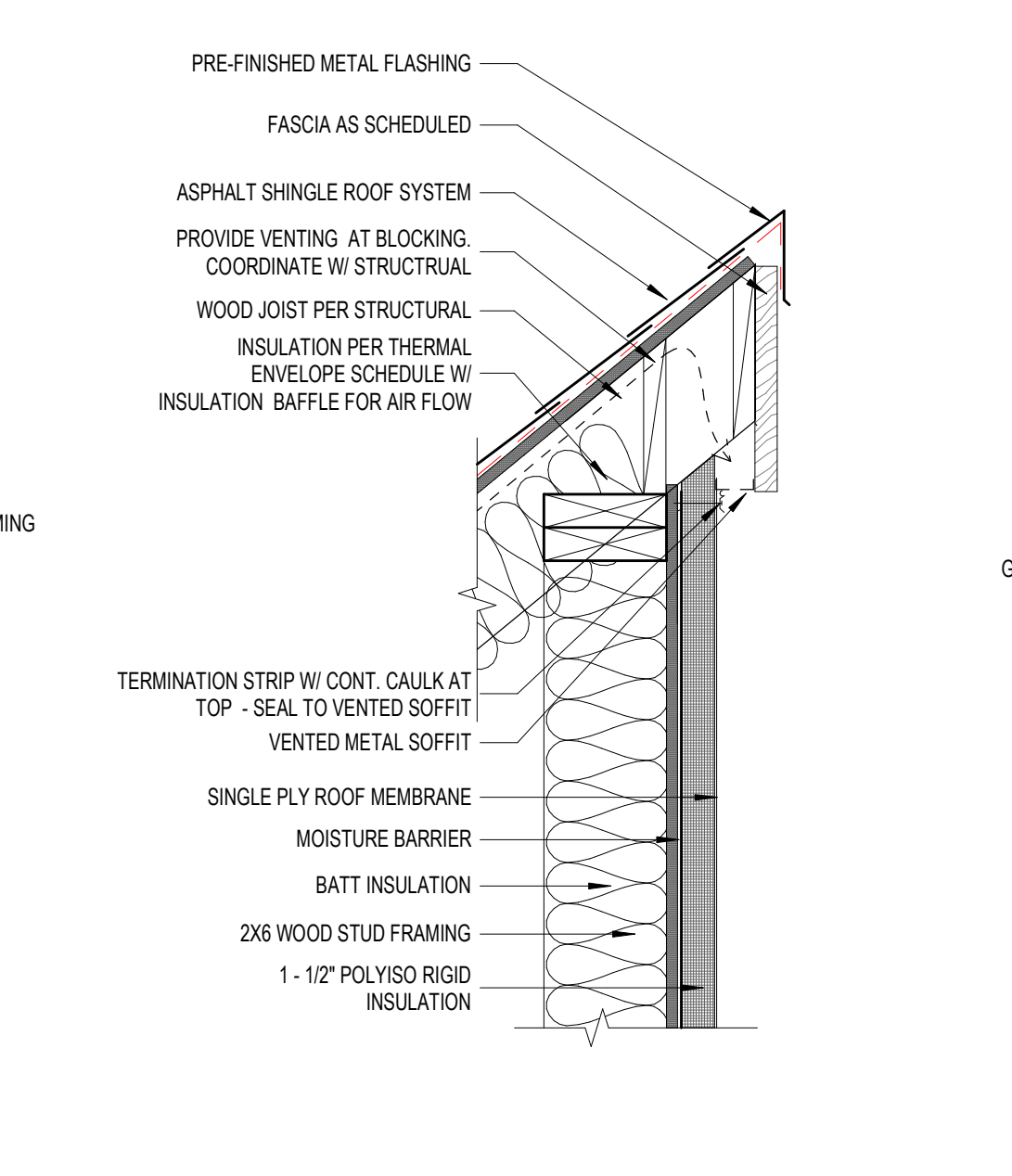
B1 | EIFS TO FIBER CEMENT PANEL TRANSITION
1'-0" x 1'-0"



B2 | RAKE DETAIL AT HARDIE
1'-0" x 1'-0"



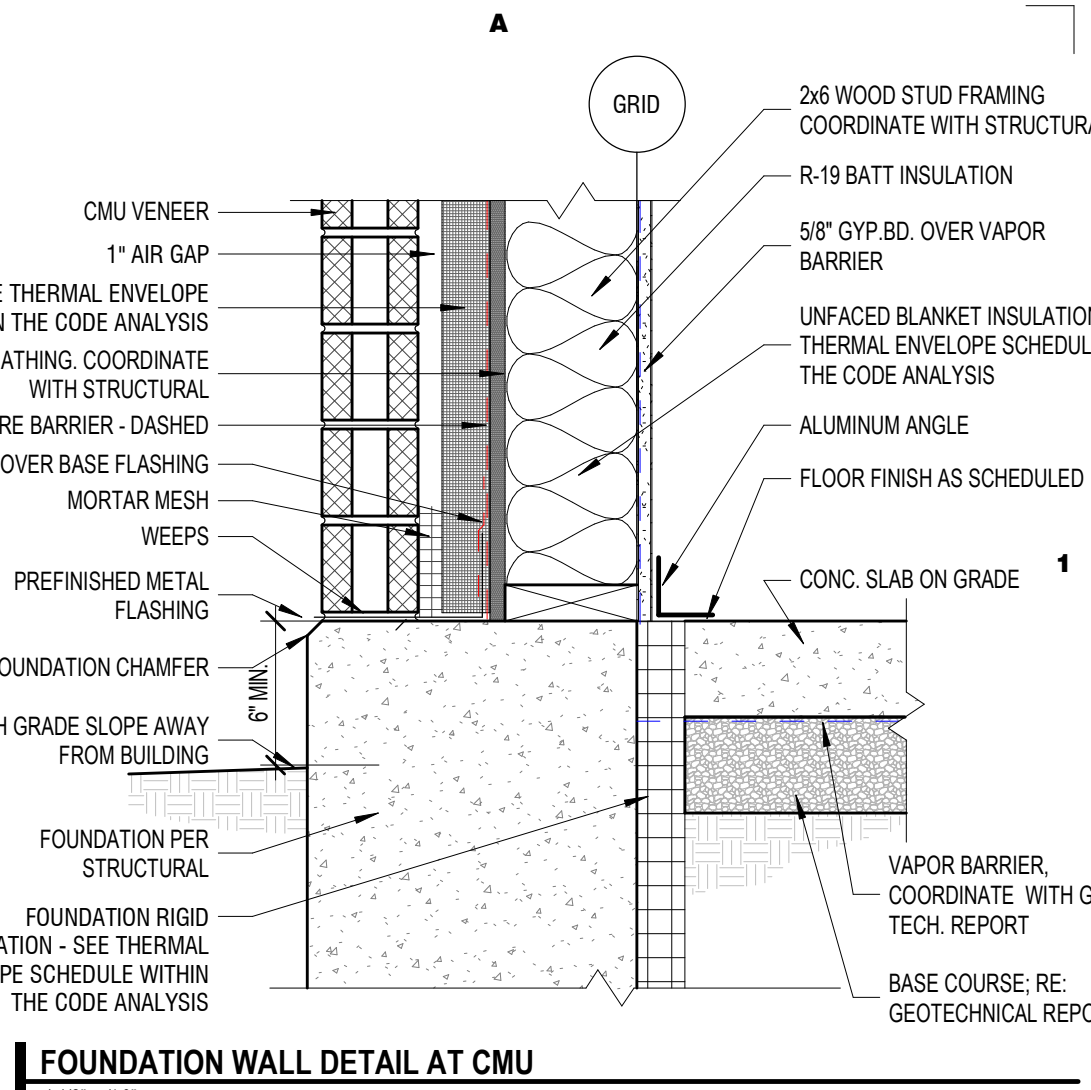
B3 | TRUSS OVERHANG DETAIL
1'-0" x 1'-0"



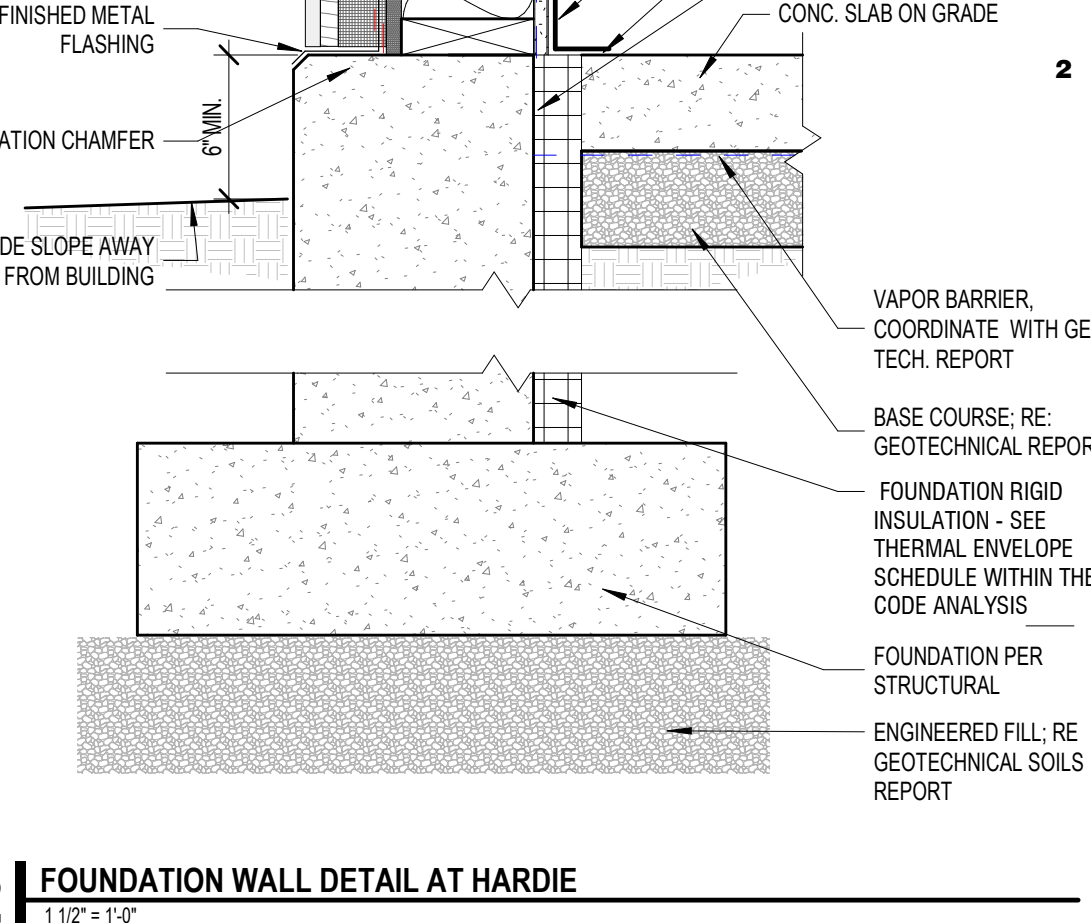
B4 | TRUSS OVERHANG DETAIL
1'-0" x 1'-0"



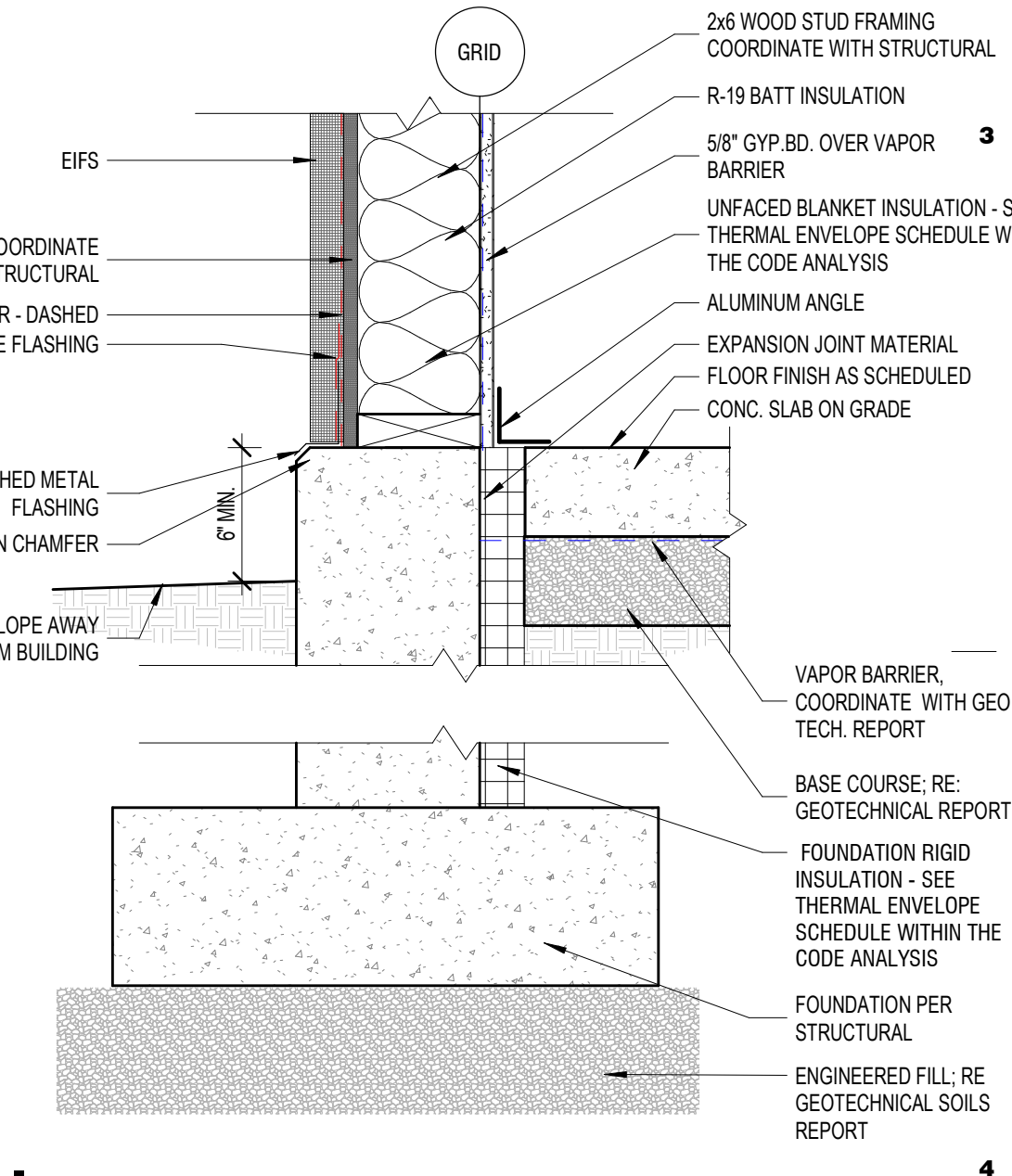
B5 | TRUSS OVERHANG BACKSIDE DETAIL
1'-0" x 1'-0"



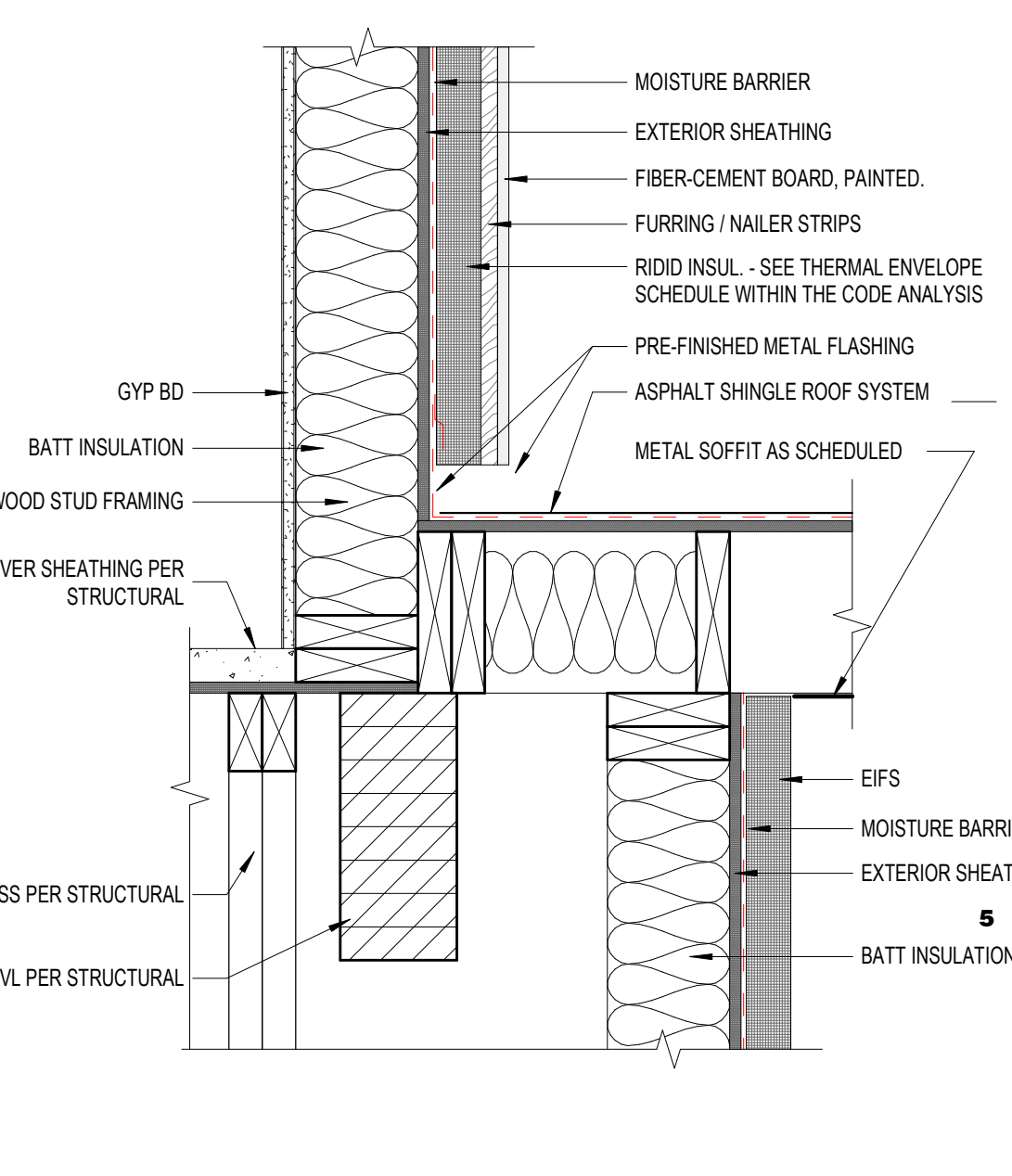
A1 | FOUNDATION WALL DETAIL AT CMU
1'-0" x 1'-0"



A2 | FOUNDATION WALL DETAIL AT HARDIE
1'-0" x 1'-0"



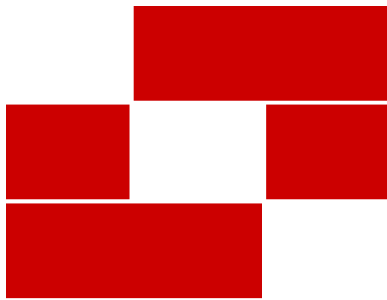
A3 | FOUNDATION WALL AT EIFS
1'-0" x 1'-0"



A4 | FOUNDATION WALL AT EIFS
1'-0" x 1'-0"



A5 | HARDIE TRANSITION TO ASPHALT ROOF
1'-0" x 1'-0"



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

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**NEW CHARTER
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1250 E 1200 N, MAPLETON, UT 84664

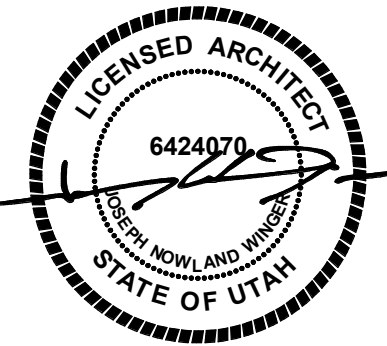
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Sheet Title

EXTERIOR DETAILS

Sheet Number

A501

F

1

E

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3

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F

E

D

D

C

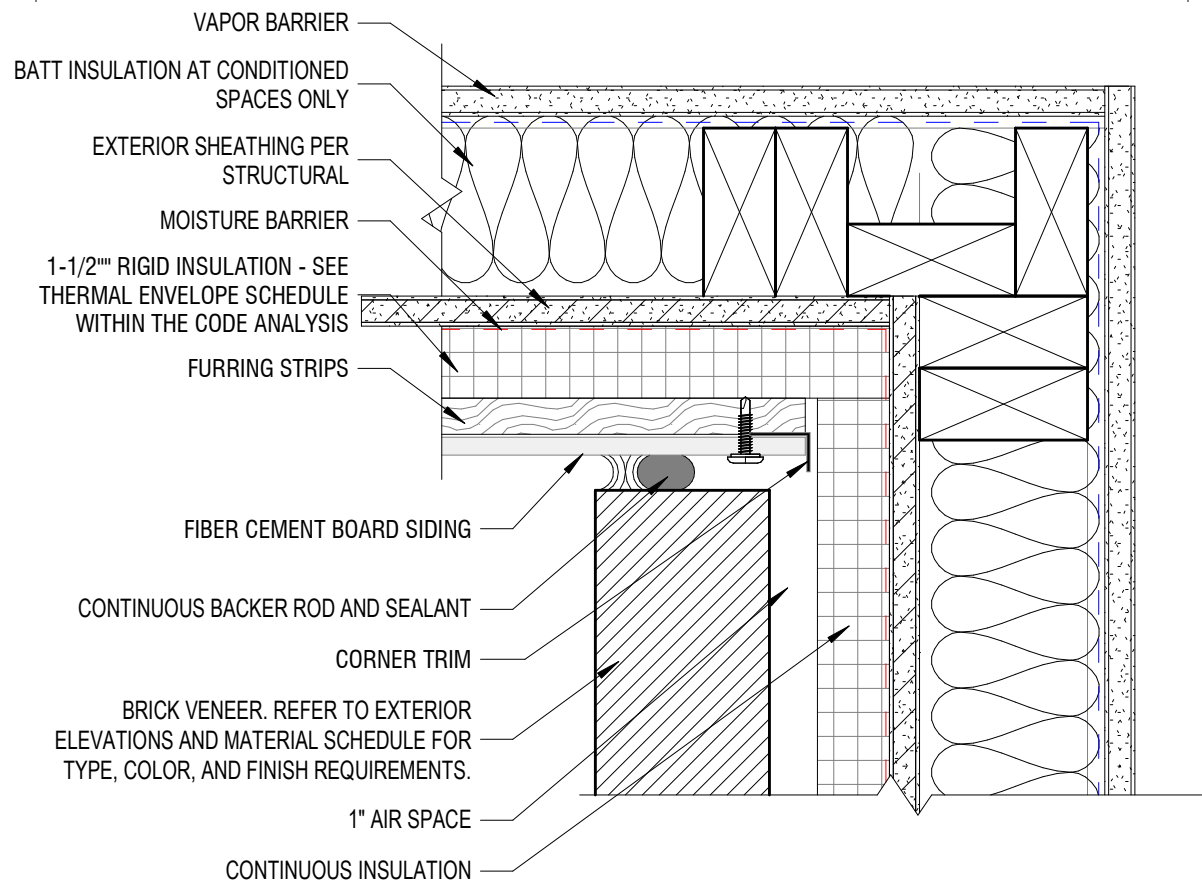
C

B

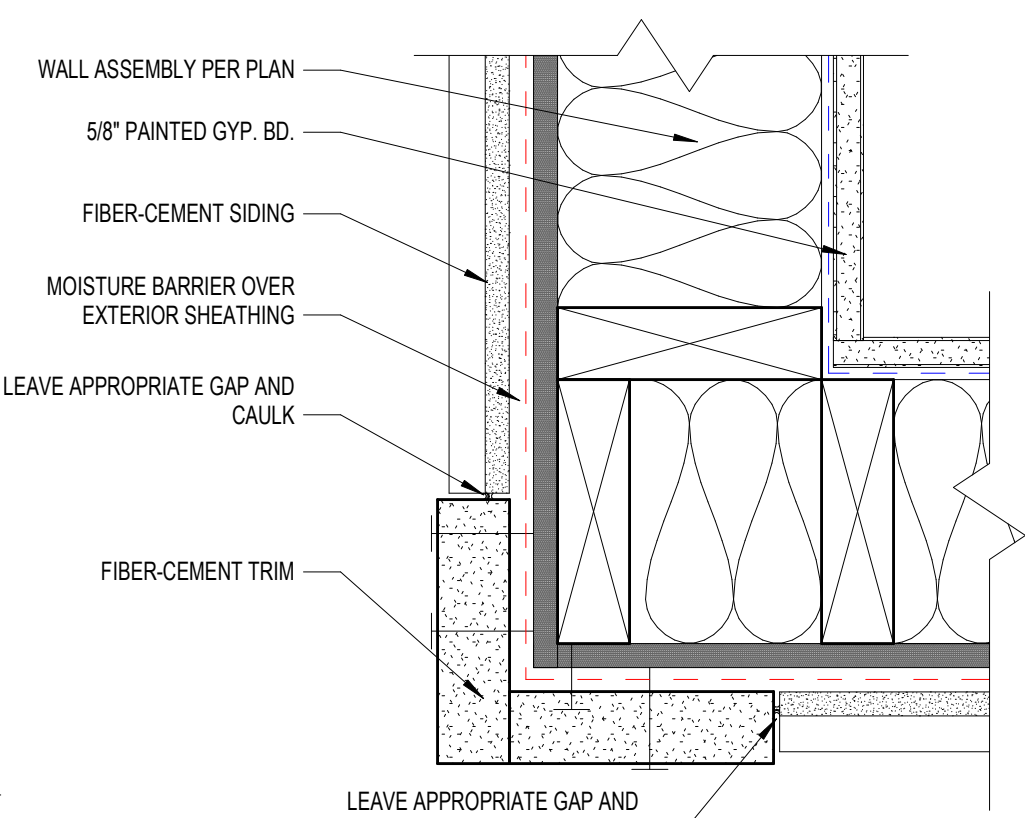
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A

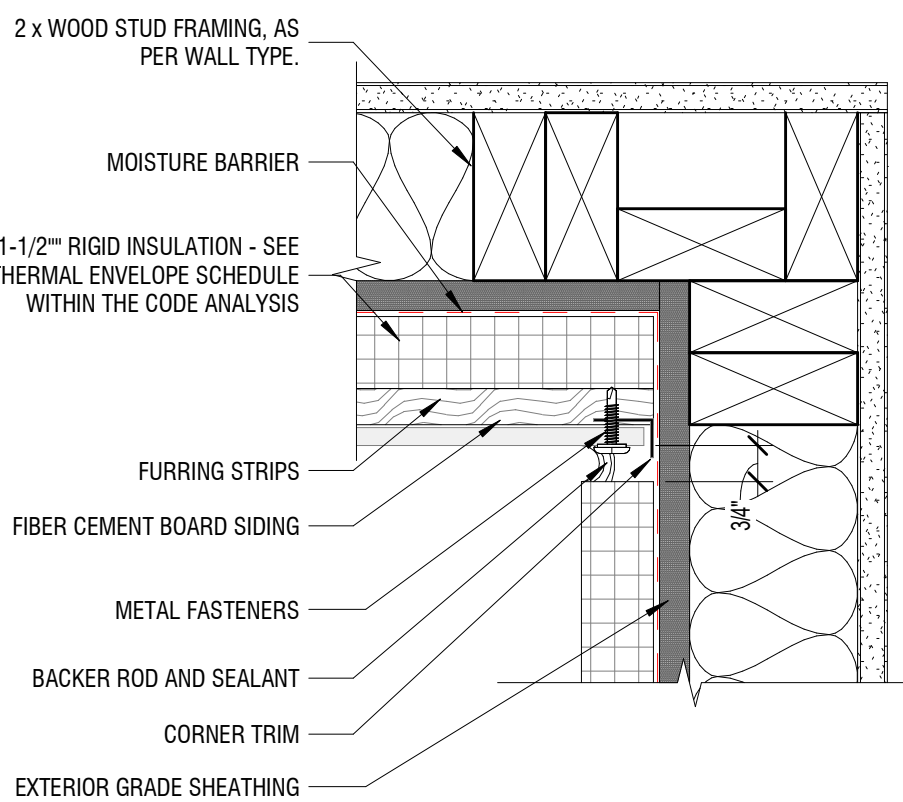
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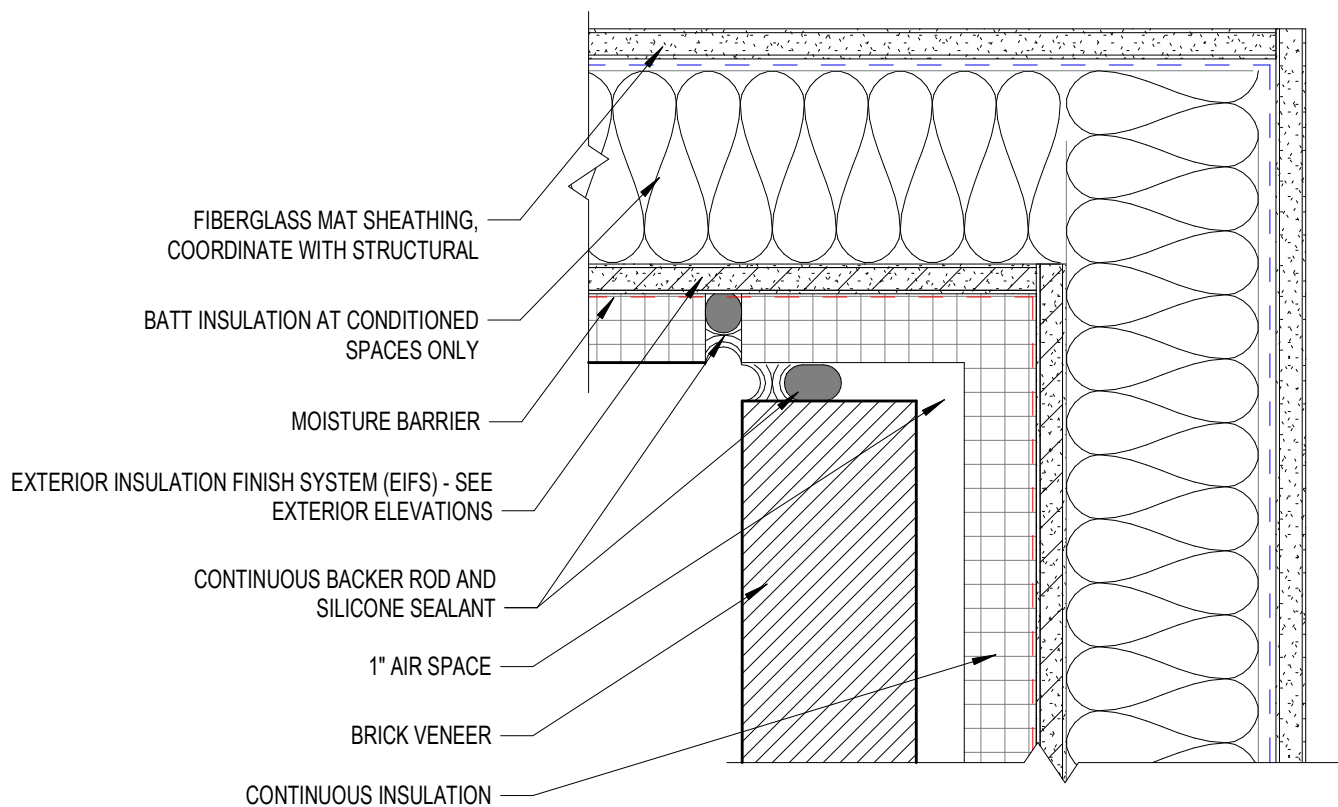
B1 | FIBER CEMENT/BRICK VENEER INSIDE CORNER TRANSITION
 3/8" x 1/4"



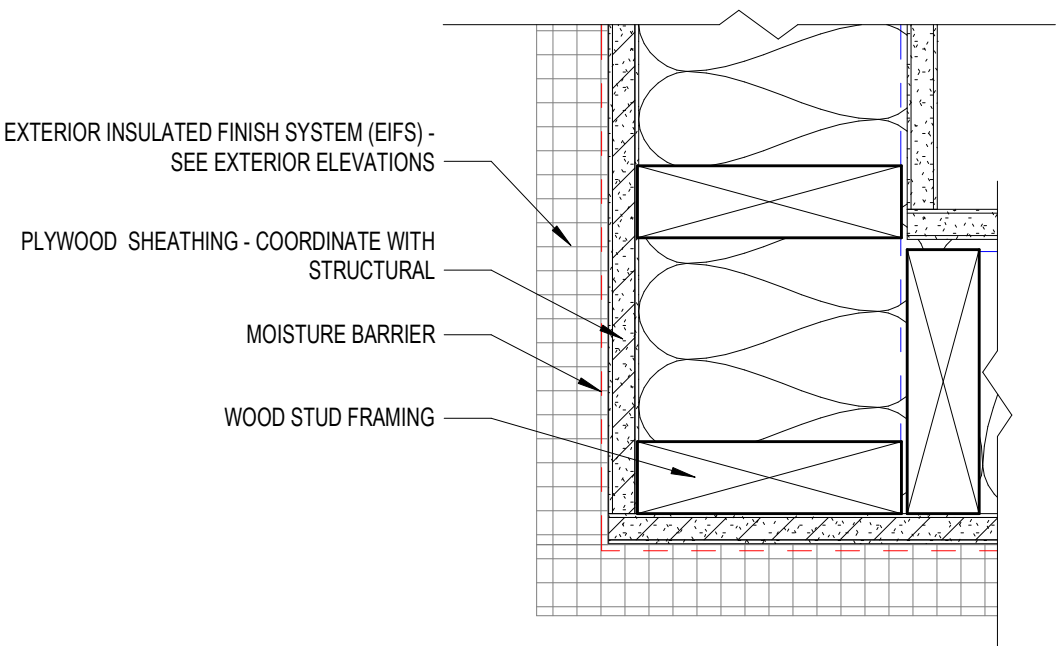
A1 | FC SIDING OUTSIDE CORNER TRANSITION W/ FC TRIM
 3/8" x 1/4"



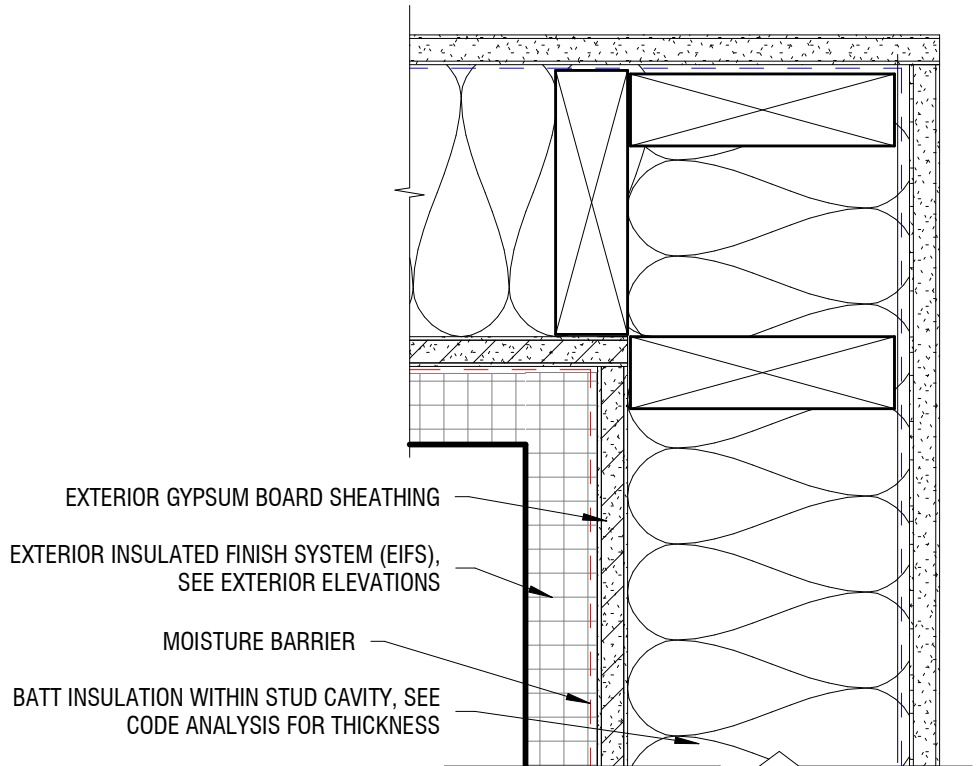
A2 | EIFS/FC SIDING INSIDE CORNER TRANSITION
 3/8" x 1/4"



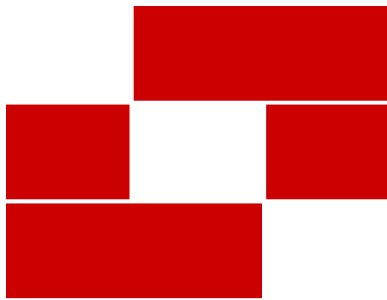
A3 | EIFS/BRICK VENEER INSIDE CORNER TRANSITION
 3/8" x 1/4"



A4 | EIFS OUTSIDE CORNER TRANSITION
 3/8" x 1/4"



A5 | EIFS INSIDE CORNER TANSITION
 3/8" x 1/4"



Babcock Design

Salt Lake City
 52 Exchange Place
 Salt Lake City, UT 84111
 801.531.1144

Boise
 800 W Main Street, Suite 940
 Boise, ID 83702
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1250 E 1200 N, MAPLETON, UT 84664

Revisions

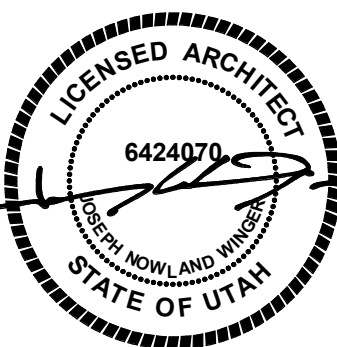
Num.	Description	Date
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Project Number	26526
Original Issue	09/04/2026
Project Status	Permit & Bid Set

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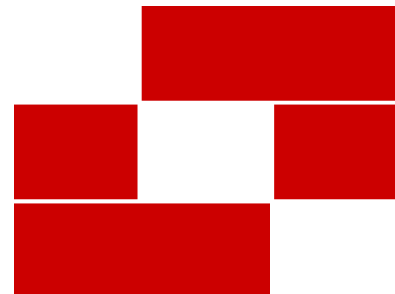
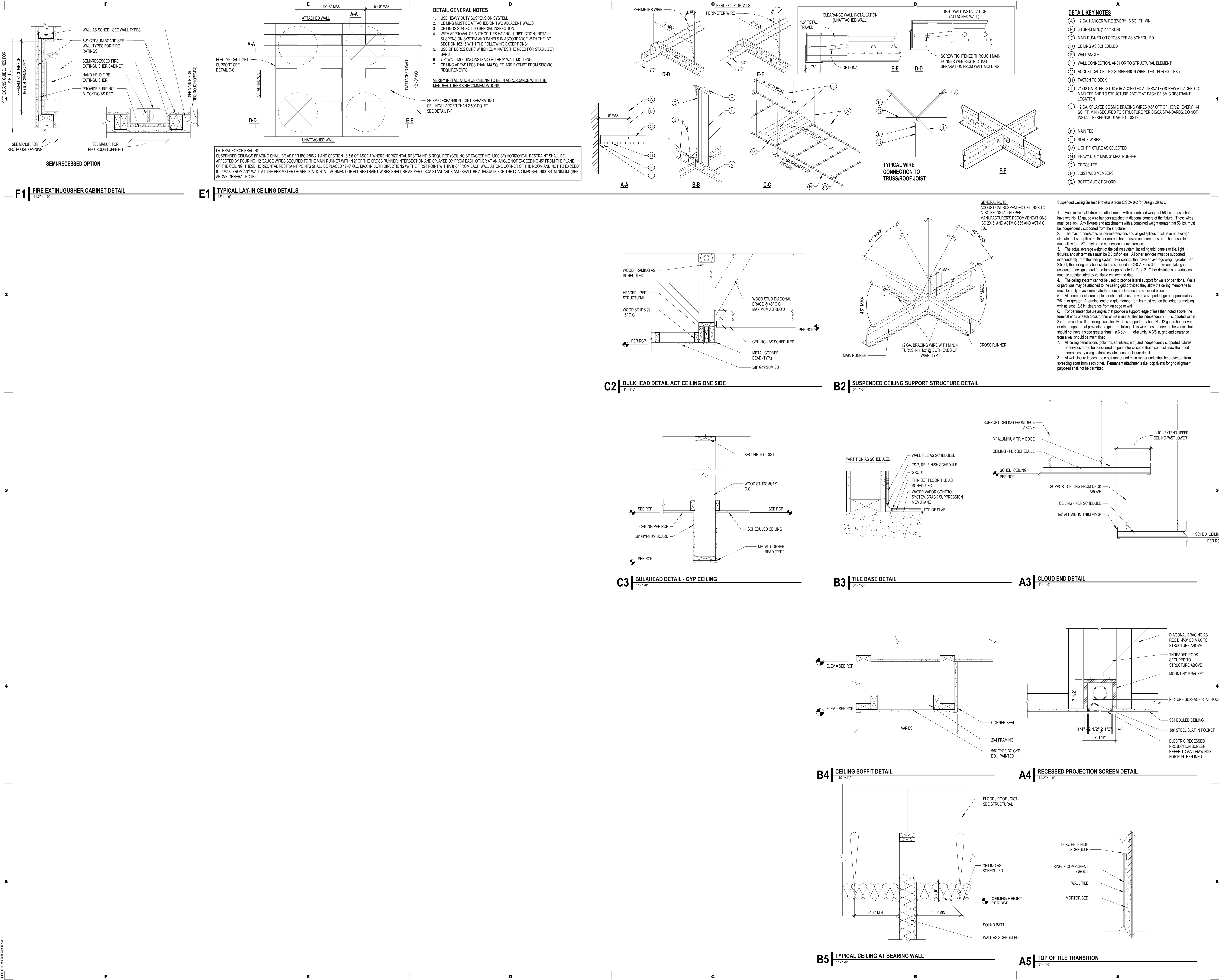


Sheet Title

EXTERIOR DETAILS

Sheet Number

A502



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

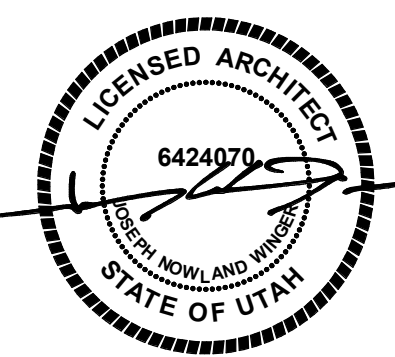
Revisions		
Num.	Description	Date

Project Number 28526
Original Issue 09.04.2026
Project Status Permit & Bid Set

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Sheet Title

INTERIOR DETAILS

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A541



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Se

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INTERIOR DETAILS

Sheet Number

A542





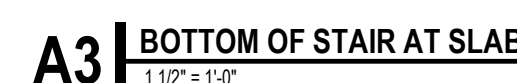
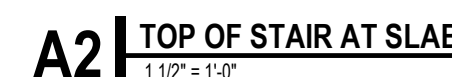
Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 8466.

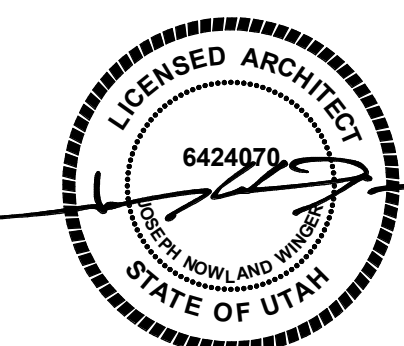


Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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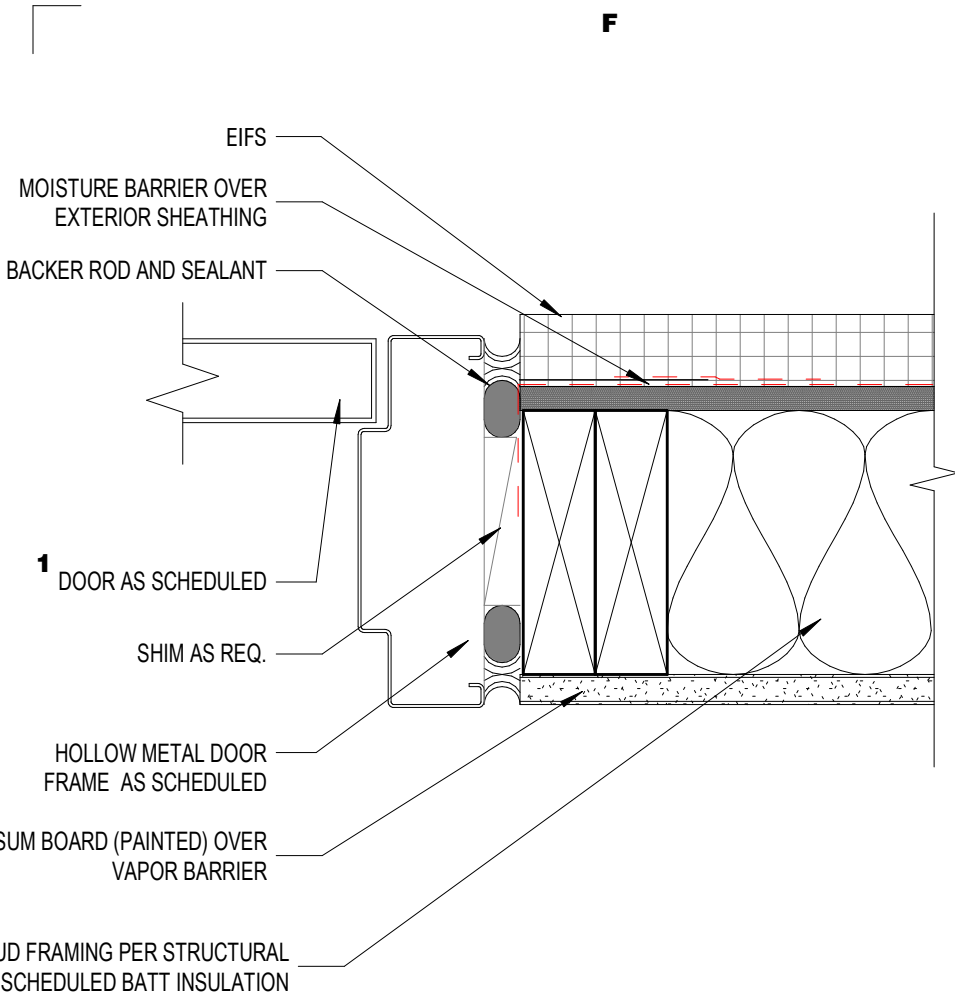


Sheet Title

VERTICAL CIRCULATION DETAILS

Sheet Number

A552



F1 | EXTR. HOLLOW METAL JAMB AT EIFS
3' x 1'-0"



E1 | EXTR. ALUM. STOREFRONT HEAD AT CMU
3' x 1'-0"



D1 | INTERIOR STOREFRONT SILL @ WALL
3' x 1'-0"

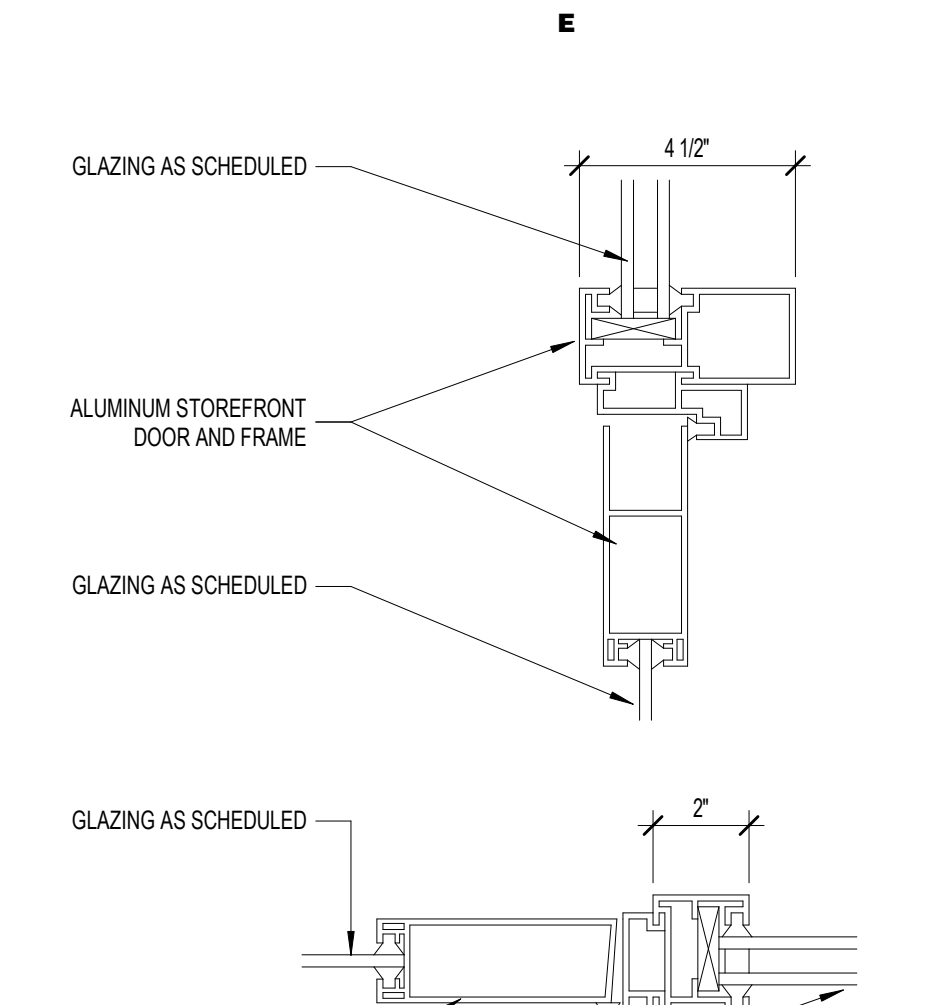


C1 | EXTR. ALUM. STOREFRONT HEAD AT CMU
3' x 1'-0"

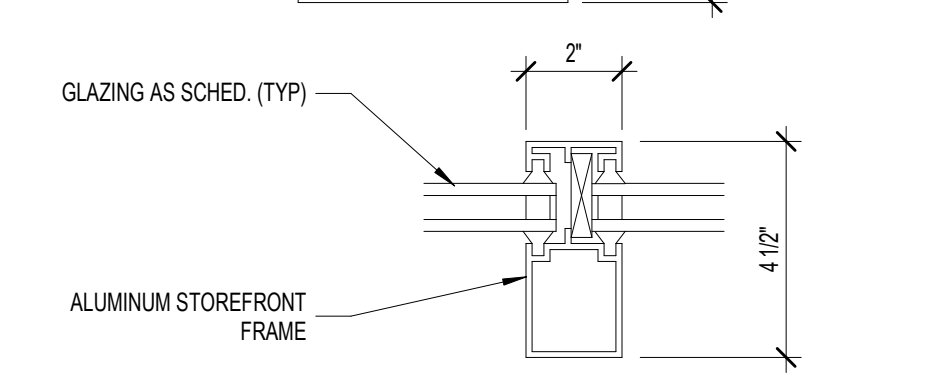


B1 | EXTR. ALUM. STOREFRONT HEAD AT EIFS
3' x 1'-0"

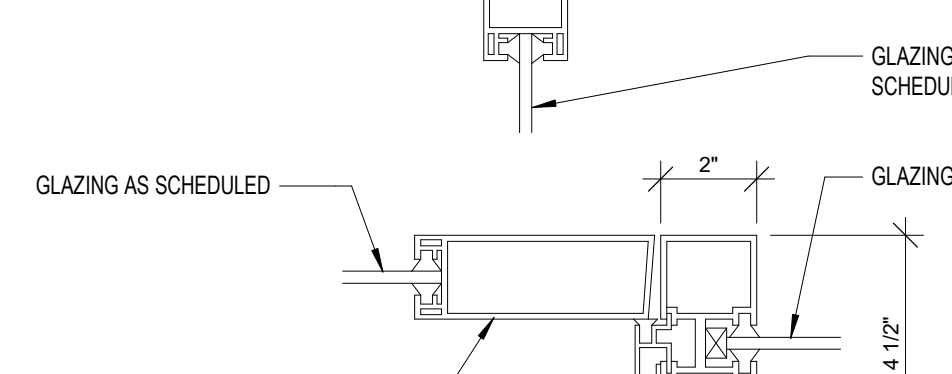
A1 | EXTR. ALUM. STOREFRONT HEAD @ FC SIDING W/ RIGID INSULATION
3' x 1'-0"



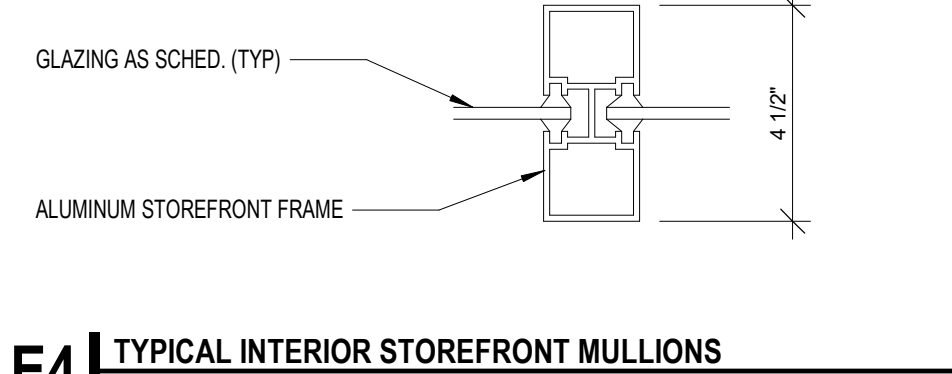
F2 | TYPICAL EXTERIOR STOREFRONT MULLIONS
3' x 1'-0"



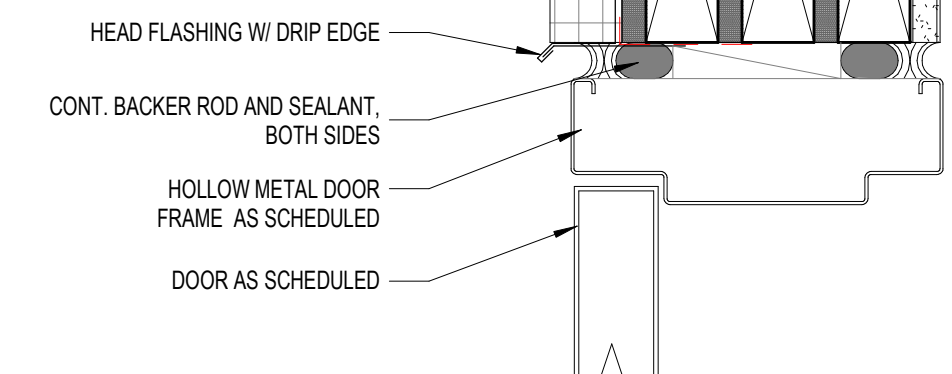
E2 | TYPICAL EXTERIOR STOREFRONT MULLIONS
3' x 1'-0"



D2 | INTERIOR STOREFRONT SILL
3' x 1'-0"

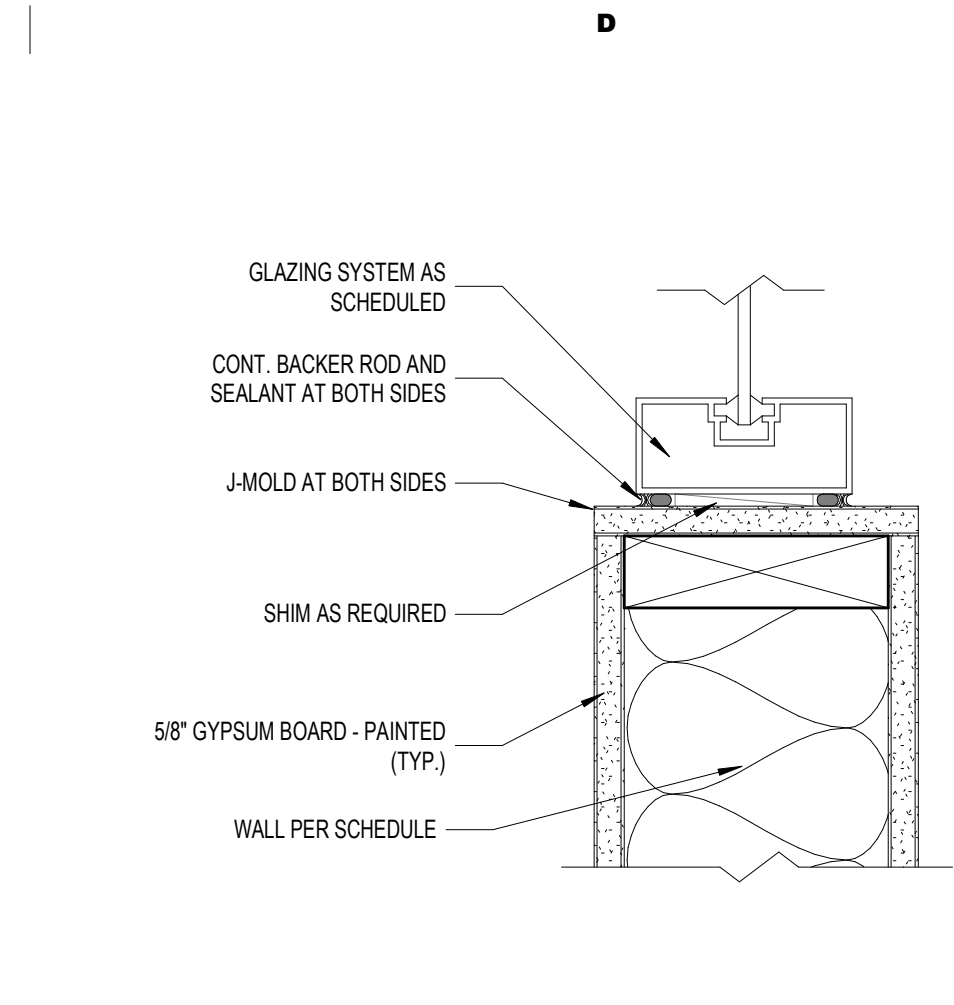


C2 | EXTR. ALUM. STOREFRONT JAMB AT CMU
3' x 1'-0"

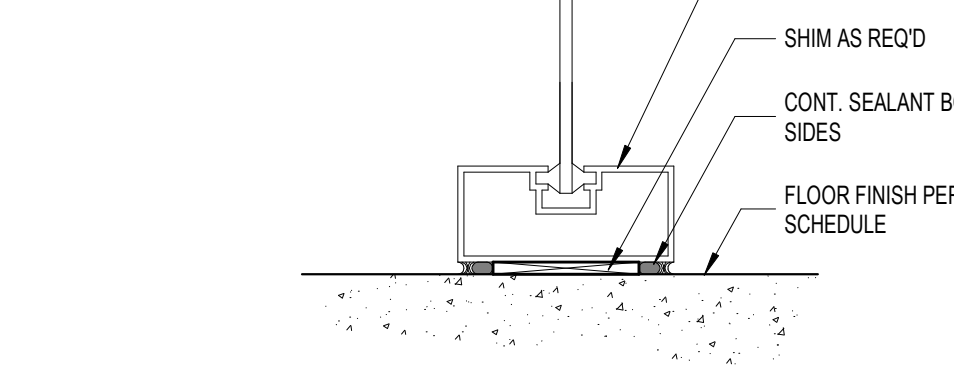


B2 | EXTR. ALUM. STOREFRONT JAMB AT EIFS
3' x 1'-0"

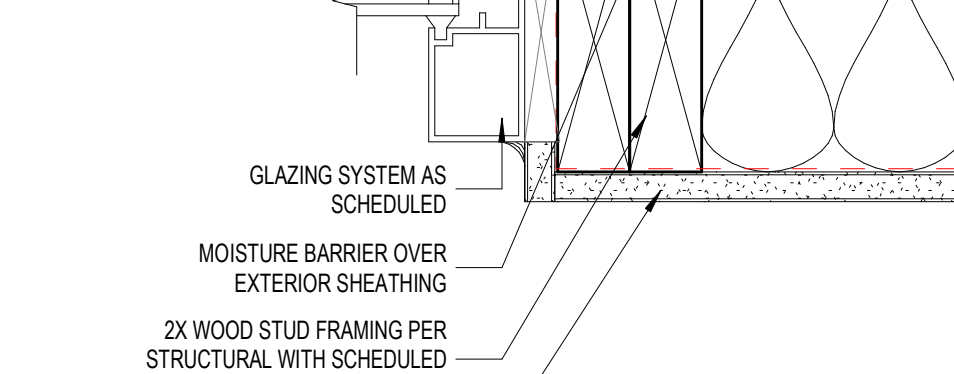
A2 | EXTR. ALUM. STOREFRONT JAMB @ FC SIDING W/ RIGID INSULATION
3' x 1'-0"



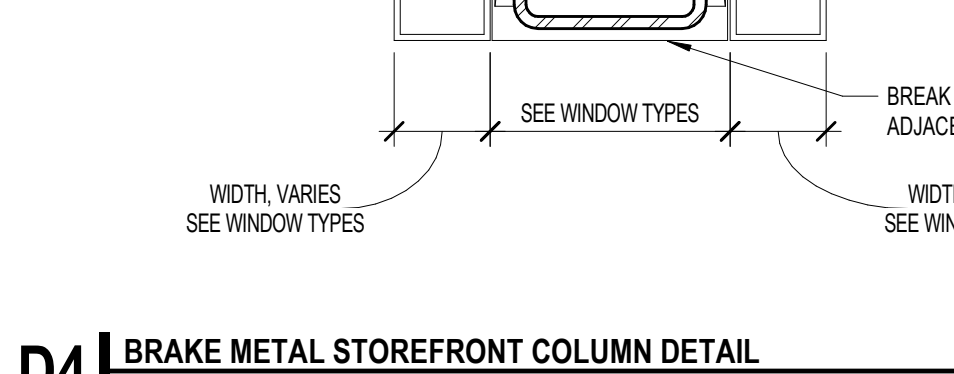
F3 | TYPICAL INTERIOR STOREFRONT MULLIONS
3' x 1'-0"



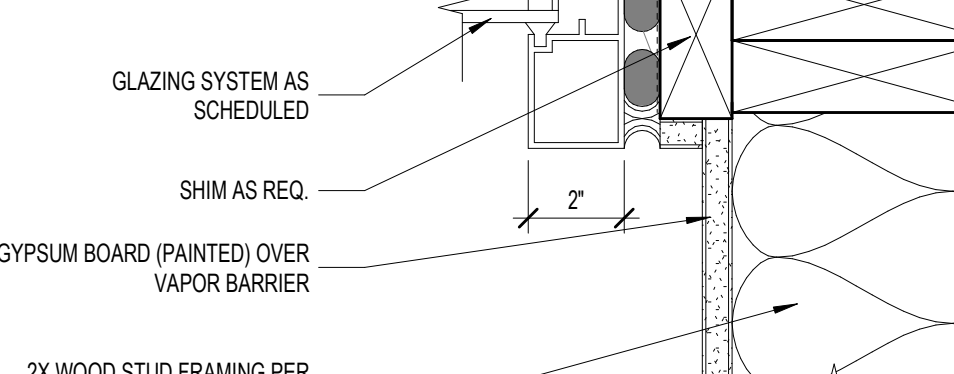
E3 | TYPICAL INTERIOR STOREFRONT MULLIONS
3' x 1'-0"



D3 | EXTR. ALUM. STOREFRONT JAMB @ MAIN ENTRY (FACE)
3' x 1'-0"

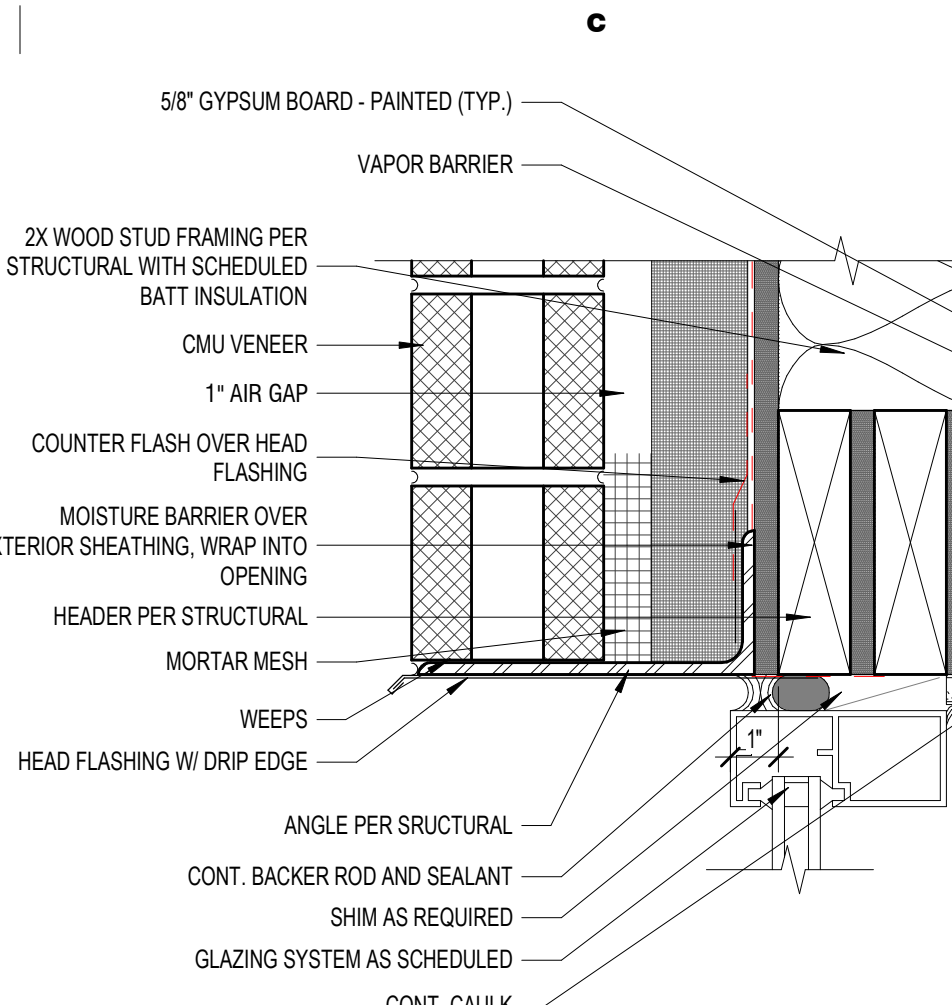


C3 | EXTR. ALUM. STOREFRONT SILL AT CMU
3' x 1'-0"

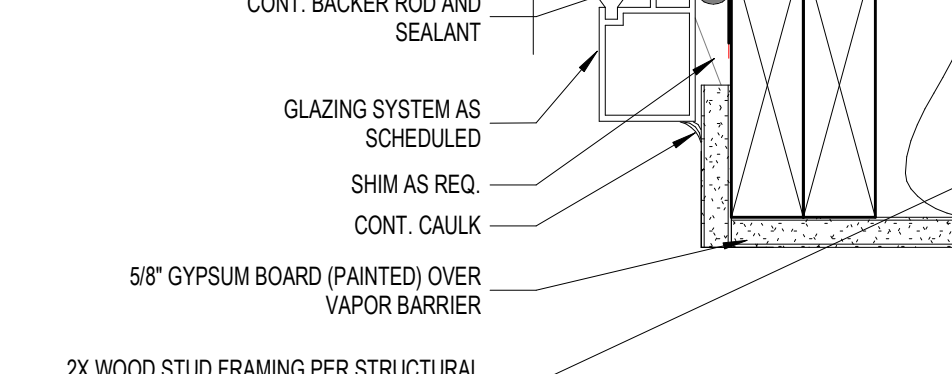


B3 | EXTR. ALUM. STOREFRONT SILL AT EIFS
3' x 1'-0"

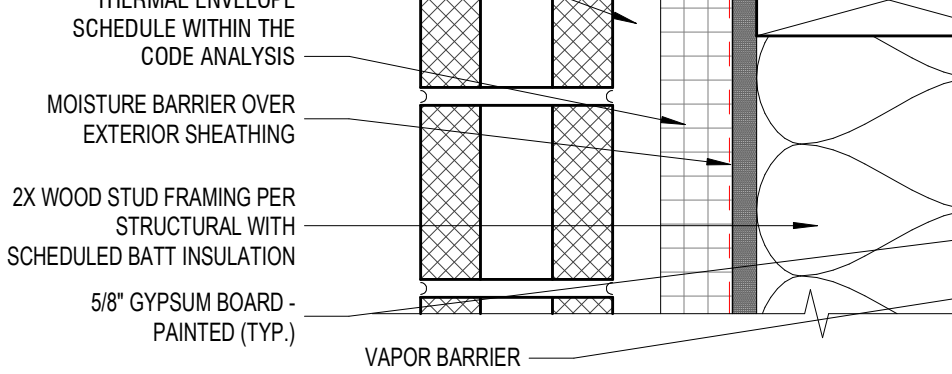
A3 | EXTR. ALUM. STOREFRONT SILL @ FC SIDING W/ RIGID INSULATION
3' x 1'-0"



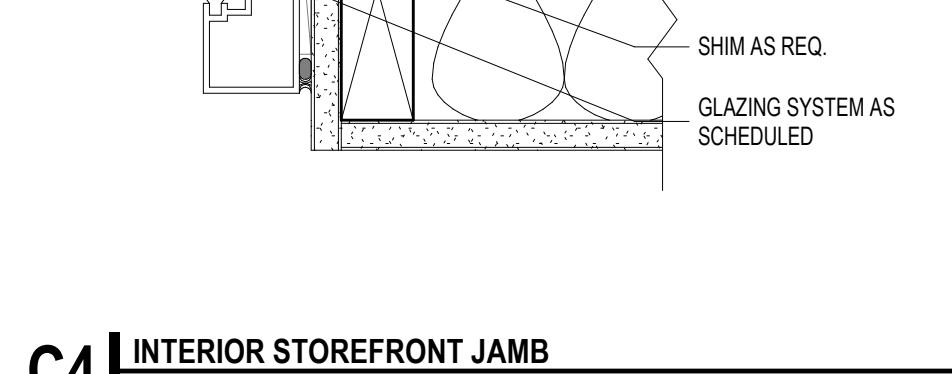
F4 | TYPICAL INTERIOR STOREFRONT MULLIONS
3' x 1'-0"



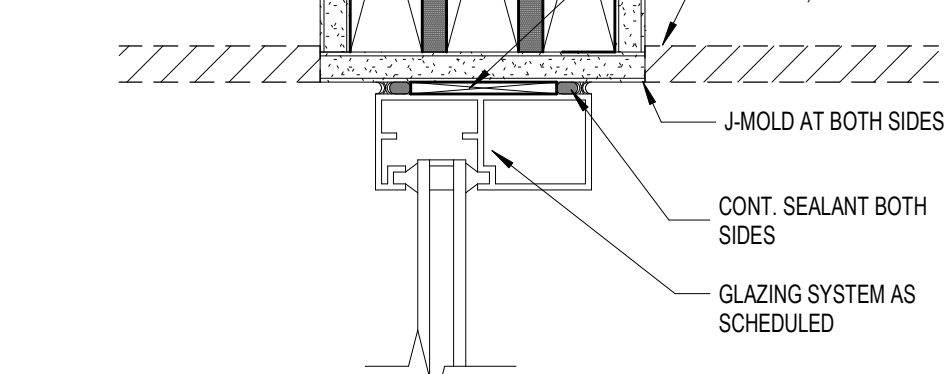
E4 | TYPICAL INTERIOR STOREFRONT MULLIONS
3' x 1'-0"



D4 | BRAKE METAL STOREFRONT COLUMN DETAIL
3' x 1'-0"

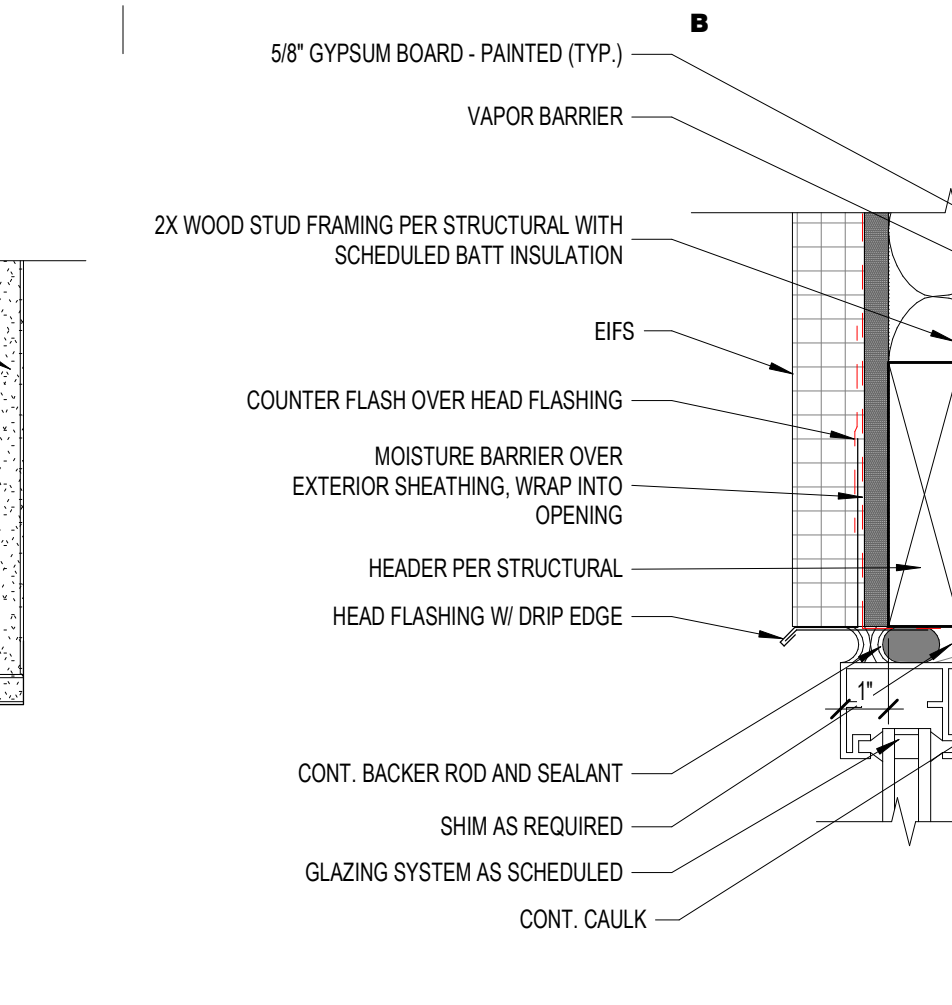


C4 | INTERIOR STOREFRONT JAMB
3' x 1'-0"

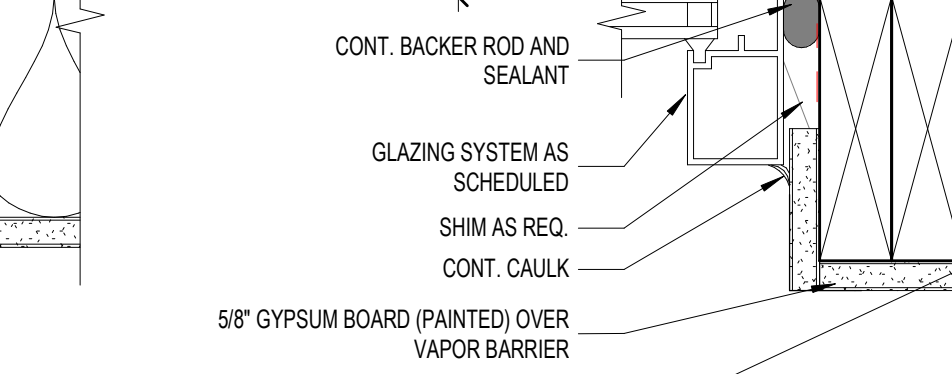


B4 | EXTR. HOLLOW METAL SILL
1'-0" x 1'-0"

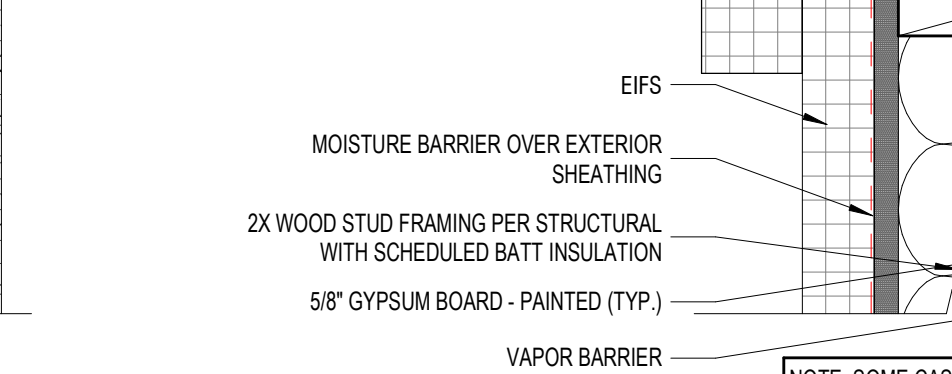
A4 | HOLLOW METAL HEAD
3' x 1'-0"



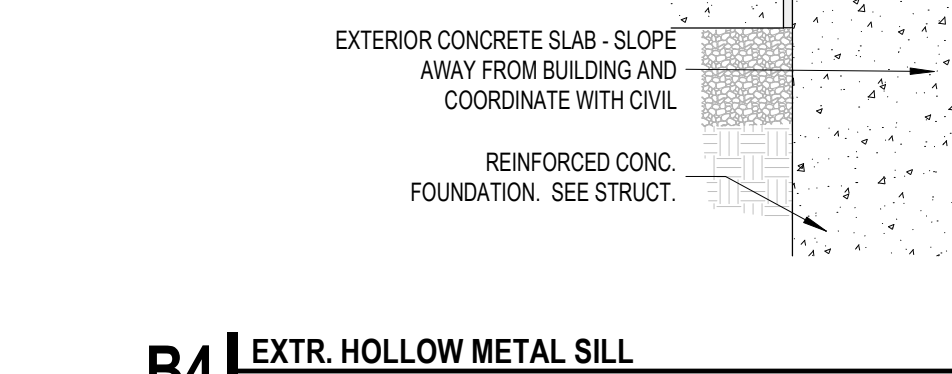
F5 | EXTR. HOLLOW METAL HEAD AT EIFS
3' x 1'-0"



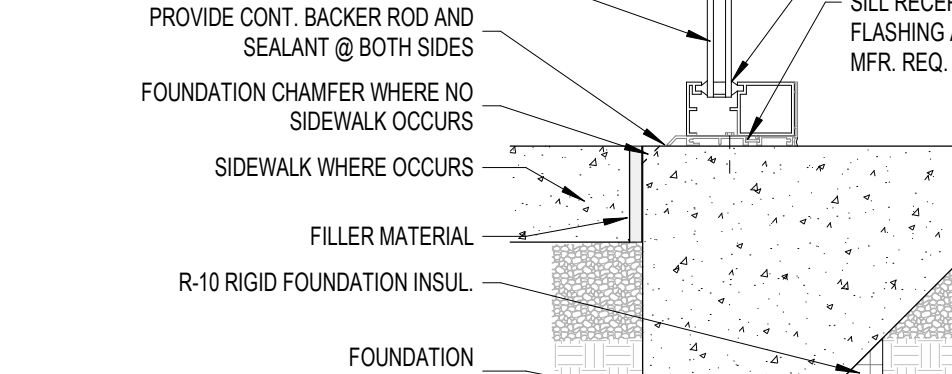
E5 | EXTR. HOLLOW METAL HEAD AT EIFS
3' x 1'-0"



D5 | EXTR. ALUM. STOREFRONT JAMB PERP TO E.I.F.S.
3' x 1'-0"

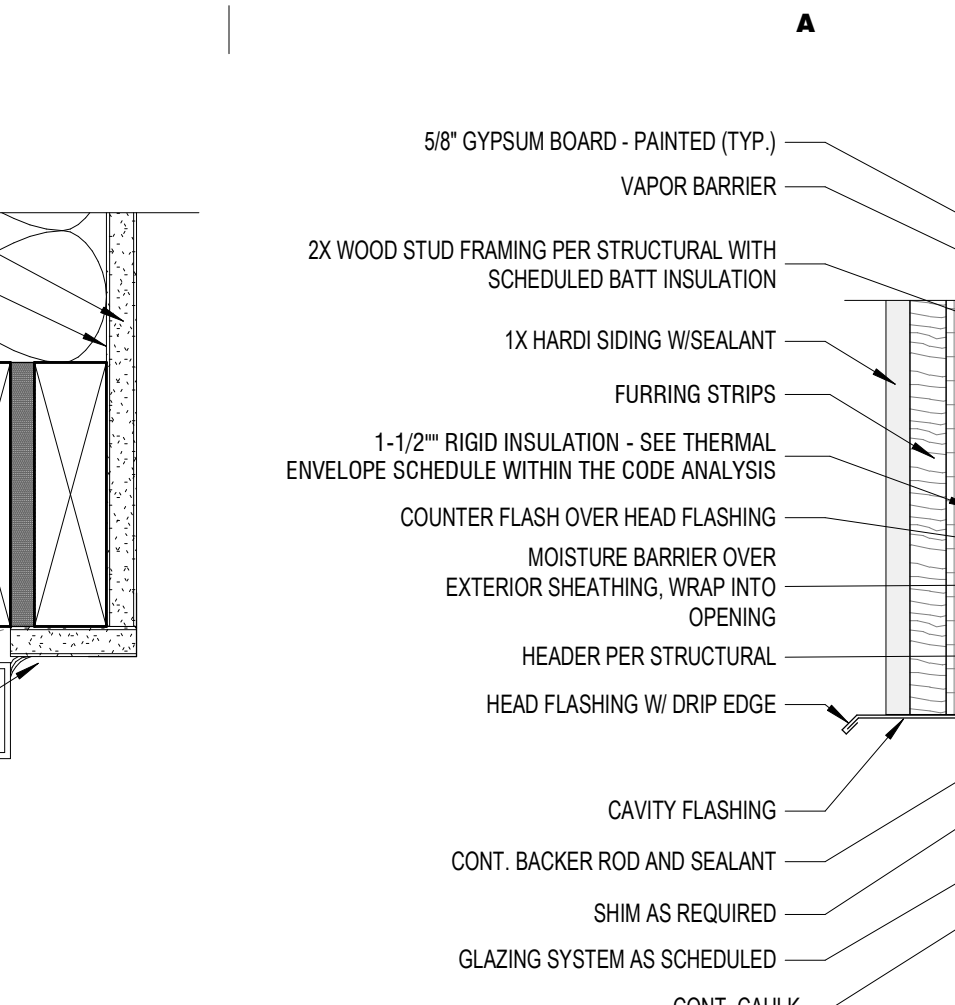


C5 | INTERIOR STOREFRONT HEAD
3' x 1'-0"

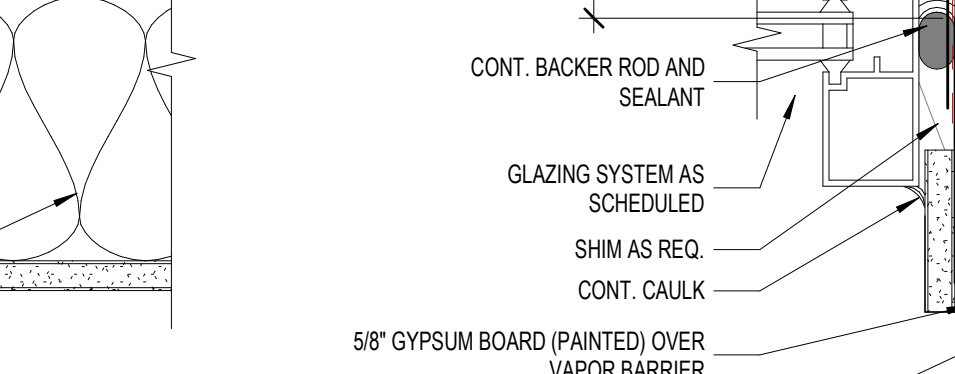


B5 | EXT. ALUM. STOREFRONT SILL & THRESHOLD
1'-0" x 1'-0"

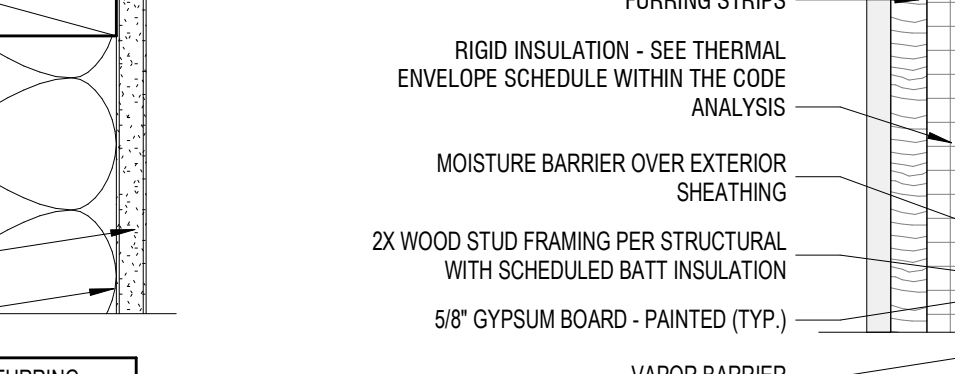
A5 | HOLLOW METAL JAMB
3' x 1'-0"



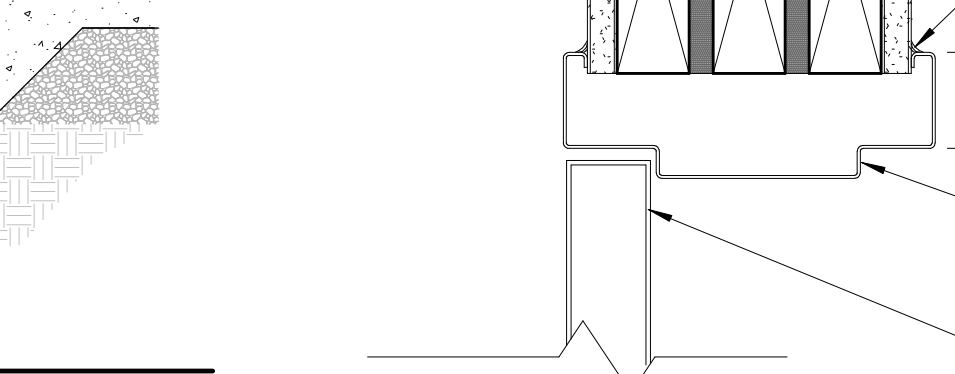
F6 | EXTR. ALUM. STOREFRONT SILL & THRESHOLD
1'-0" x 1'-0"



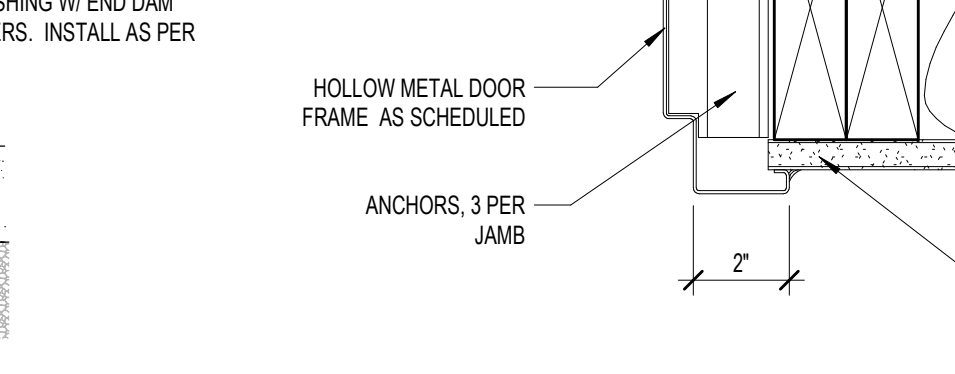
E6 | EXTR. ALUM. STOREFRONT SILL & THRESHOLD
1'-0" x 1'-0"



D6 | EXTR. ALUM. STOREFRONT SILL & THRESHOLD
1'-0" x 1'-0"



C6 | INTERIOR STOREFRONT HEAD
3' x 1'-0"



B6 | EXT. ALUM. STOREFRONT SILL & THRESHOLD
1'-0" x 1'-0"

A6 | HOLLOW METAL JAMB
3' x 1'-0"

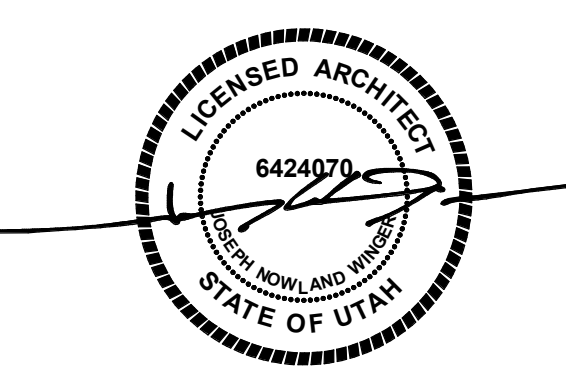
Revisions		
Num.	Description	Date

Project Number	28528
Original Issue	09.04.2028
Project Status	Permit & Bid Set

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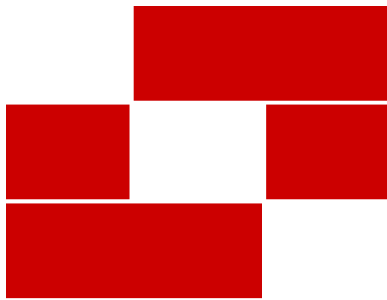
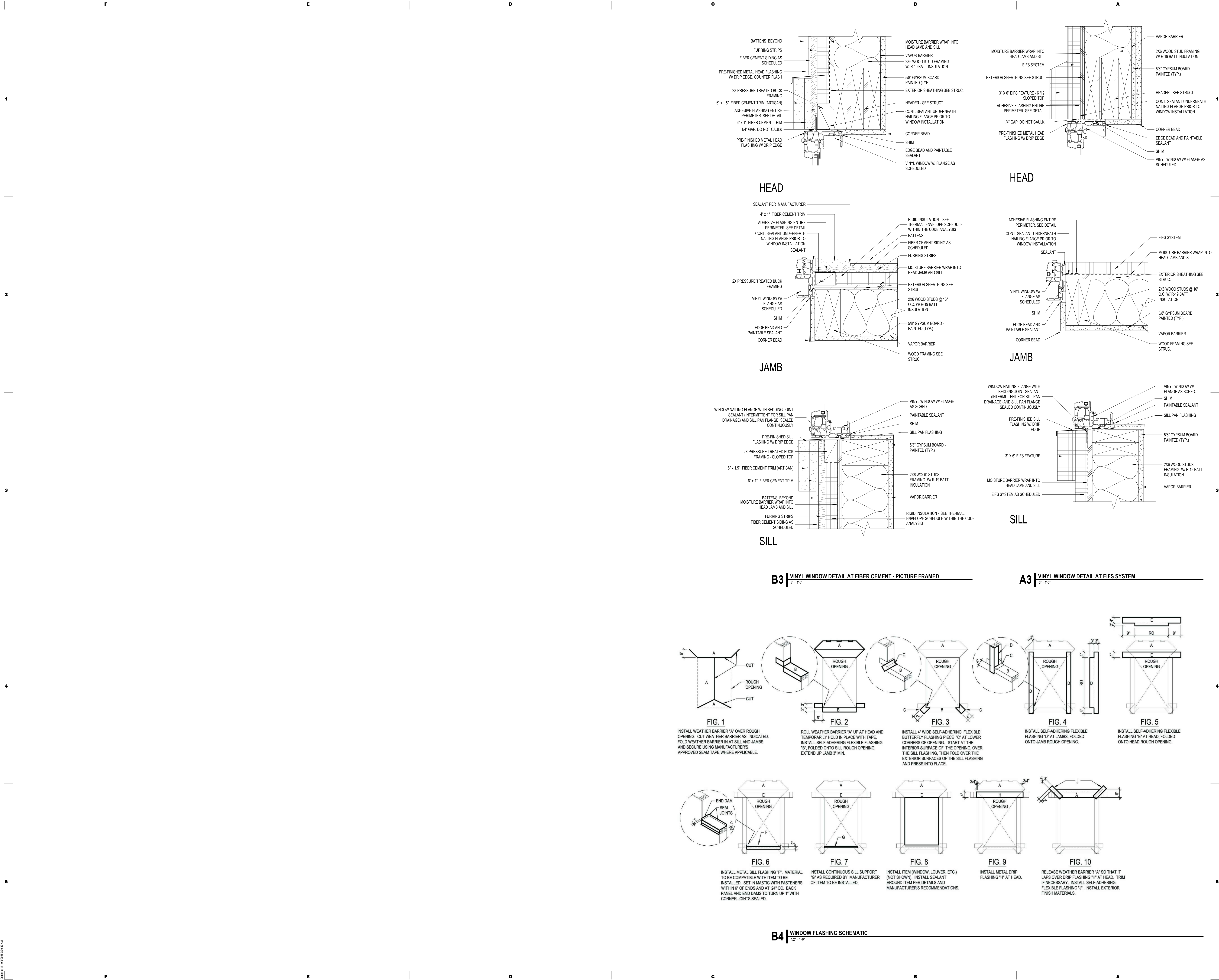


Sheet Title

OPENING DETAILS

Sheet Number

A561



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

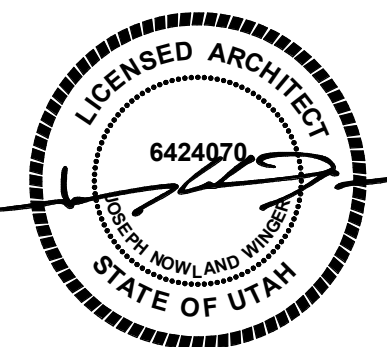
Num. Description Date

Project Number 25526
Original Issue 09.04.2026
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Sheet Title

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Sheet Number

A562

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

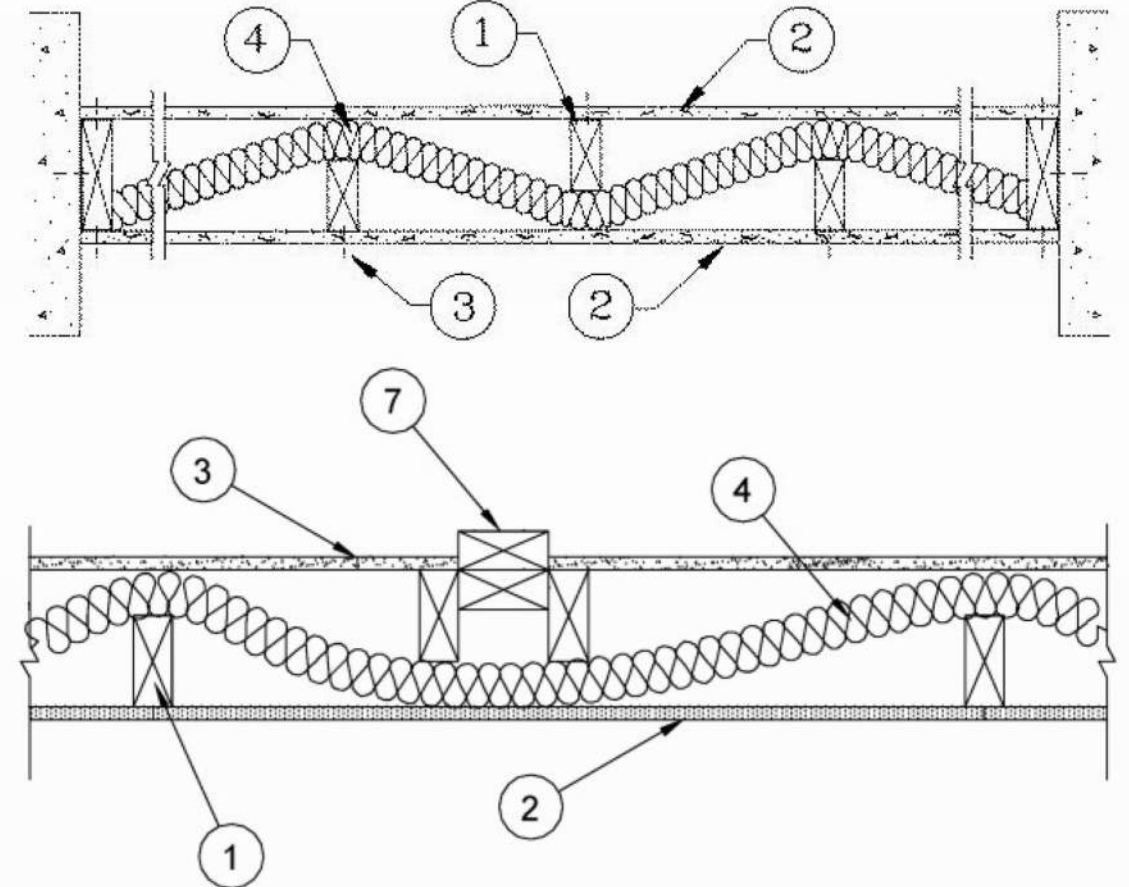
See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U340
October 29, 2015
Bearing Wall Rating — 1 Hr.
Finish Rating — See Item 2

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



HORIZONTAL SECTION

- Wood Studs** — Nom 2 by 4 in. alternating on opposite sides of nom 2 by 6 in. wood plates. Spaced 24 in. OC max on each side of wood plates, staggered 12 in. OC on opposite side.
- Gypsum Board*** — 5/8 in. thick gypsum board, paper or vinyl faced with beveled, square, tapered or rounded edges. Gypsum board nailed to each stud 7 in. OC with end cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam head. As an alternate, No. 6 bugle head drywall screws, 1-7/8 in. long, may be substituted for the 6d cement coated nails. When used in widths other than 48 in., gypsum board to be installed horizontally.

When **Steel Framing Members*** (Item 5) are used, gypsum board attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C.

CERTAINTEED GYPSUM INC — Type FRPC (Finish rating 20 min), Type C.

CGC INC — Types C, IP-X2 (Finish rating 26 min).

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A.

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type LightRoc (finish rating 22 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min).

CERTAINTEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC; Type C, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min).

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX (finish rating 21 min).

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGL (finish rating 20 min), Type GPF51 (finish rating 20 min), Type GPF52 (finish rating 20 min), Type GPF56 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min).

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min),

INTERNATIONAL CELLULOSE CORP — Celhar-RL

ROXUL INC — Type SAFEnSOUND

4D. **Batts and Blankets*** — Required for use with resilient channels, Item 6, min. 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.

Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSWB-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 or Type PG-C.

PANEL REY S A — Type GREX, PRX; Types RHX, MDX, ETX (finish rating 22 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type ULX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min).

3A. **Gypsum Board*** — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed

CGC INC (View Classification) — CKNX.R19751

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C (View Classification) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

2G. **Gypsum Board*** — (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3. **Joints and Nailheads** — Gypsum board joints covered with tape and joint compound. Nail heads covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to entire surface of Classified veneer baseboard. Joints reinforced.

4. **Batts and Blankets*** — (Optional) — 3-1/2 in. max. thickness glass or mineral fiber batt insulation stapled to studs.

See **Batts and Blankets** (BZJZ) category for list of Classified companies.

4A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product. When Item 5 is used, Fiber, Sprayed shall be INS735, INS745, INS765LD or INS770LD.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application, INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only.

4B. **Batts and Blankets*** — (Required for use with Wall and Partition Facings and Accessories, Item 2A and Gypsum Board Item 2F) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See **Batts and Blankets** Category (BKNV) for names of manufacturers.

4C. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs./ft³.

INTERNATIONAL CELLULOSE CORP — Celhar-RL

4D. **Batts and Blankets*** — Required for use with resilient channels, Item 6, min. 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.

ROXUL INC — Type SAFEnSOUND

THERMAFIBER INC — Type SAFB

4E. **Batts and Blankets*** — (As an alternate to Item 4D) - min. 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5 **Steel Framing Members (Optional, Not Shown)*** — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** — Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

5A. **Steel Framing Members*** — (Optional, Not Shown) - Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 2. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. **Steel Framing Members*** — Resilient sound isolation clip used to attach furring channels (Item 5Ba) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

PLITEQ INC — Type Genic Clip

5B. **Steel Framing Members** — (Optional, Not Shown)* — Furring channels and resilient sound isolation clip as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 2. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. **Steel Framing Members*** — Resilient sound isolation clip used to attach furring channels (Item 5Ba) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6. **Furring Channel** — Optional — Not Shown — For use on one side of the wall with Item 2D - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 4D or 4E is required.

7. **Wall and Partition Facings and Accessories*** — (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft. wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. **Non-Bearing Wall Partition Intersection** — (Optional) Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

9. **Mineral and Fiber Board*** — (Optional, Not shown) — For use with Items 9A-9D — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft. wide with long dimension parallel and centered over studs. Attached to studs and top and bottom bearing plates with minimum 1-3/8 in. long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer (Item 9D) is to be installed over the Mineral and Fiber Boards. Glass Fiber Insulation, Item 9A, or Batts and Blankets, Item 9B, and Adhesive, Item 9C, are required.

HOMASOTE CO — Homasote Type 440-32

9A. **Glass Fiber Insulation*** — (For use with Item 9) 5-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to completely fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

9B. **Batts and Blankets*** — (As an alternate to Item 9A, For use with Item 9) 5-1/2 in. thick mineral wool batts, placed to completely fill interior of wall.

THERMAFIBER INC — Type SAFB

9C. **Adhesive** — (For use with Item 9) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 9).

9D. **Gypsum Board*** — (For use with Item 9) — 3/8 in. thick, 4 ft. wide, applied vertically over Mineral and Fiber Board (Item 9) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 9). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — FRPC, Type C

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C.

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C.

PANEL REY S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR

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

Last Updated on 2015-10-29

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

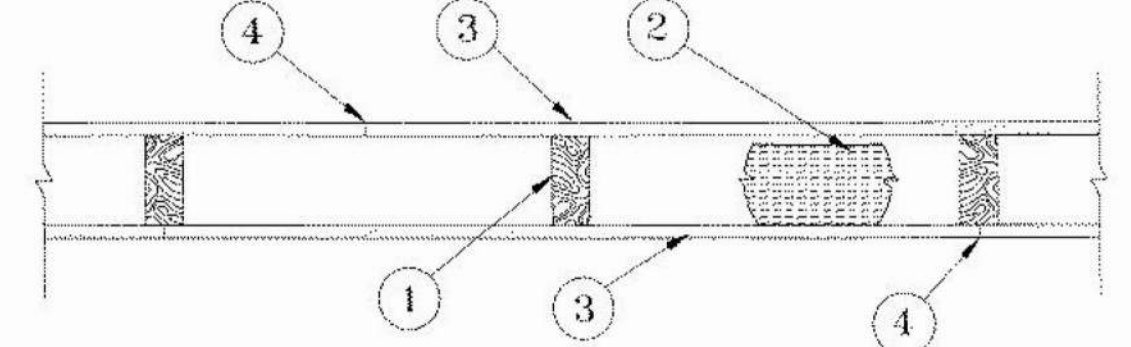
See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U359
October 26, 2015
Bearing Wall Rating — 1 Hr
Finished Rating — 29 Min

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



- Wood Studs** — Nom 2 by 4 in., spaced max 16 in. OC.
- Batts and Blankets* (Optional, Not shown)** — Placed to completely or partially fill the stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
- Gypsum Board*** — Applied either horizontally or vertically. Vertical joints centered over studs. When used in widths other than 48 in., wallboard is to be installed compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.
- Joints and Nailheads** — (Not shown) — Wallboard joints covered with paper tape and joint compound. Nailheads covered with joint compound.

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

Last Updated on 2006-02-27

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

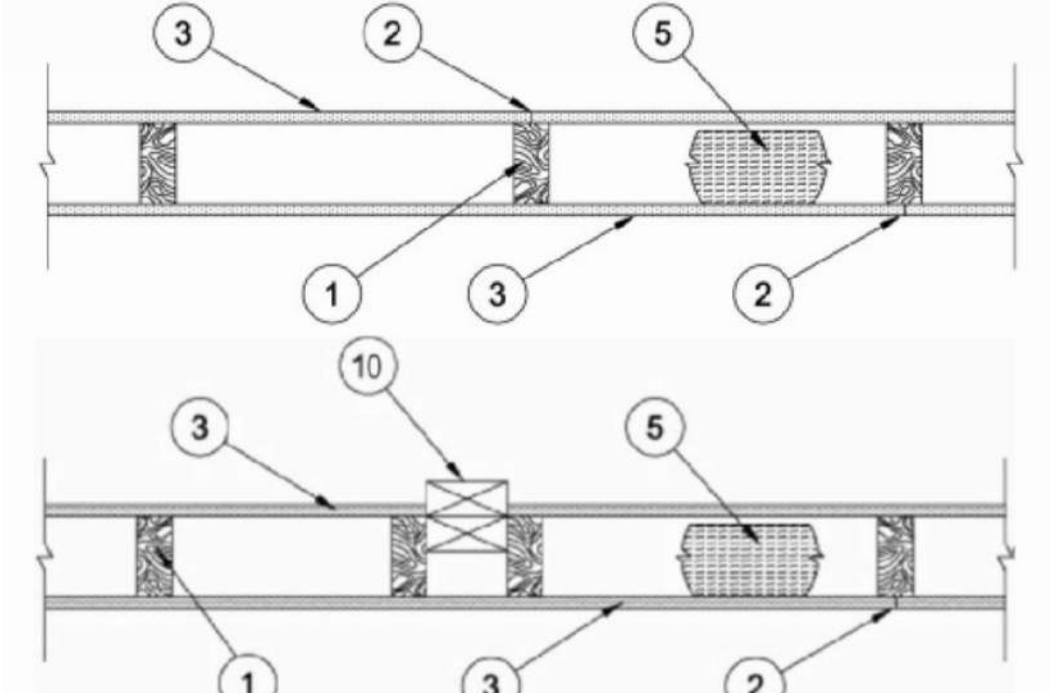
See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. V319
October 26, 2015
Bearing Wall Rating — 1 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



- Wood Studs** — Nom 2 by 6 in. spaced 16 in. OC max, effectively firestopped.
- Joints and Nail-Heads** — Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.
- Gypsum Board*** — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom. 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft. wide gypsum panels applied vertically. Screw attached to furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.

ACADIA DRYWALL SUPPLIES LTD (View Classification) — CKNX.R25370

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C (View Classification) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R6937
LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

4. **Steel Corner Fasteners** — (Optional, Not Shown) — For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into a 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. **Fiber, Sprayed*** — Spray applied granulated mineral fiber material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCA2).

TEXAS AMERROCK PARTNERS L P, DBA AMERROCK PRODUCTS — Rockwool

7. **Furring Channels** — (Optional, Not Shown) — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped joint, double lead Phillips head steel screws.

8. **Caulking and Sealants** — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

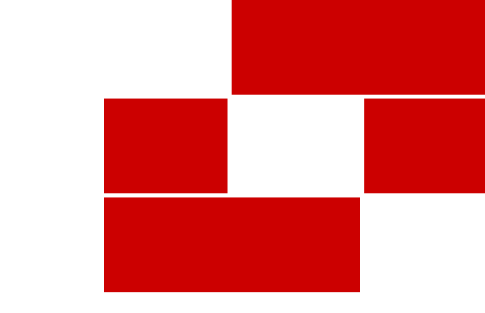
9. **Cementitious Backer Units*** — (Optional, Not Shown) — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide - Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

10. **Non-Bearing Wall Partition Intersection** — (Optional) — Two nominal 2 by 4 in. studs or nominal 2 by 6 in. studs nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 6 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 6 in. studs. The wall partition wood studs are to be framed by with a second 2 by 6 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

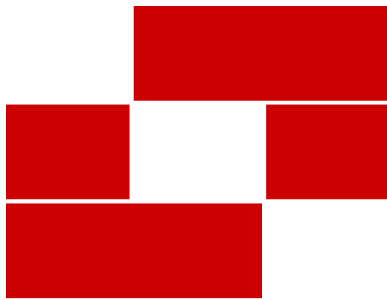
* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

Last Updated on 2015-10-26



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

Revisions

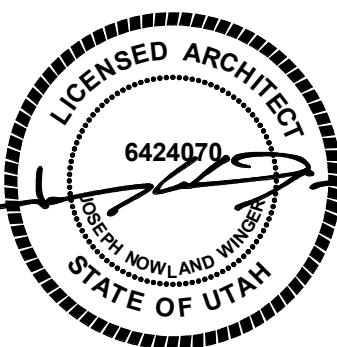
Num. Description Date

Project Number 28526
Original Issue 09.04.2026
Project Status Permit & Bid Set

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Sheet Title

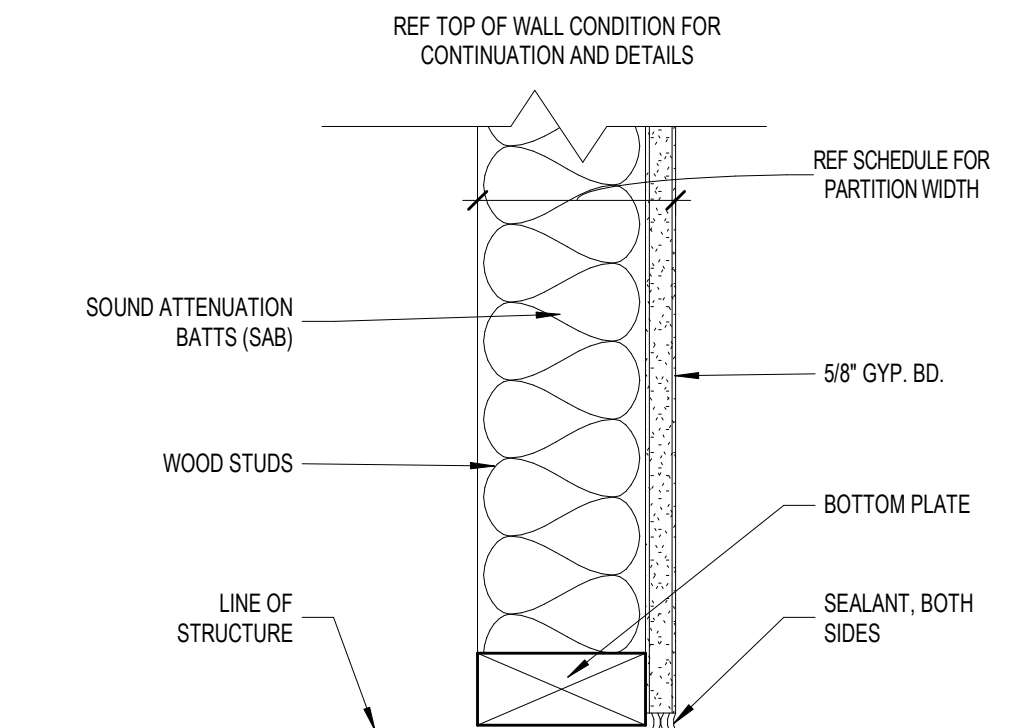
STANDARD PARTITION
TYPES

Sheet Number

A611

PARTITION GENERAL NOTES

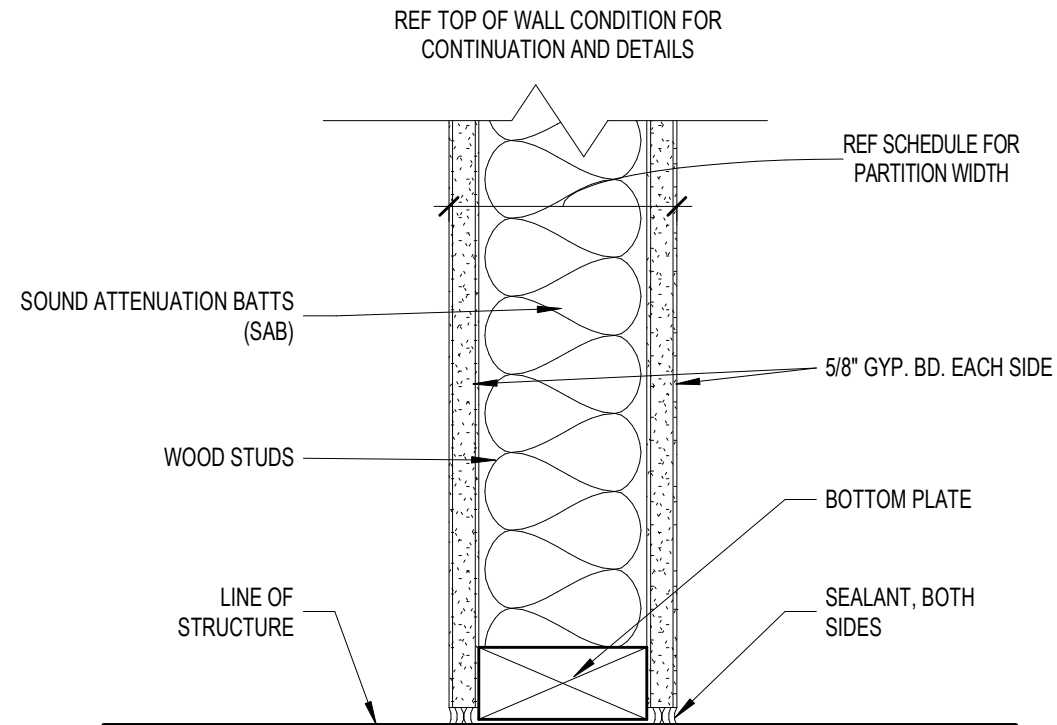
- PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL DESIGNATION. GRAPHIC DESIGNATION OR A COMBINATION OF BOTH DESIGNATIONS. SOME PARTITION TYPES SHOWN ON THIS SHEET MAY NOT BE USED ON THIS PROJECT.
- ALL WALLS NOT DESIGNATED WITH A GRAPHIC OR TAG TO BE TYPE 'A'. IF UNCLEAR CONTACT ARCHITECT.
- SOUND TRANSMISSION CLASS (STC) IS A RATING SYSTEM THAT DESCRIBES THE ABILITY OF AN ASSEMBLY TO REDUCE THE TRANSMISSION OF SOUND. STC RATINGS LISTED ARE BASED ON LABORATORY TESTING AND ARE NOT INDICATIVE OF RESULTS IN FIELD.
- SEE SPECIFICATIONS FOR SOUND ATTENUATION BATTS (SAB) REQUIREMENTS. WHERE SAB ARE INDICATED, THEY SHALL EXTEND CONTINUOUSLY FROM FLOOR TO STRUCTURE ABOVE.
- PARTITIONS ARE INDICATED WITH CONVENTIONAL GYPSUM WALLBOARD U.N.O.; UPGRADE TO PREMIUM TYPES OF WALLBOARD (I.E. MOISTURE-RESISTANT, TILE-BACKER BOARD, ACOUSTICALLY ENHANCED, ETC.) BASED ON THEIR LOCATION AND ACCORDING TO REQUIREMENTS LISTED IN THE SPECIFICATIONS.
- SEALANTS INDICATED MAY BE FOR FIRE RATING, SMOKE RATING, AIR PRESSURE CONTAINMENT, ACOUSTIC RATING, VERMIN CONTROL, MOVEMENT (CRACK) CONTROL AND/OR BIOLOGICAL CONTAINMENT. SEALANT JOINTS ARE TO BE SIZED FOR EXPECTED MOVEMENT OF JOINT WITH EXPANSION/CONTRACTION CAPACITY OF SEALANT MATERIAL TO MAINTAIN THE INTEGRITY OF THE SEAL FOR THESE APPLICABLE PARAMETERS - SEE SPECIFICATIONS.
- "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR TO FACE OF FRAMING, U.N.O. CLEAR DIMENSIONS INDICATE DIMENSION BETWEEN FINISHES.
- FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO CONTINUE THROUGH ALL OPENINGS IN RATED PARTITIONS.
- SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
- REFER TO THE TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.
- REFER TO SHEET A612 FOR ADDITIONAL PARTITION DETAILS AND FRAMING INFORMATION.
- PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS.
- THE TYPICAL PARTITION TAG SYMBOL DESIGNATION HAS THREE CHARACTERS. THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE, THE SECOND CHARACTER IS A NUMERIC INDICATION OF THE STUD WIDTH. IN SOME INSTANCES, ADDITIONAL CHARACTERS OR "MODIFIER" MAY BE ADDED TO THE END TO INDICATE ADDITIONAL CHARACTERISTICS WITHIN THE WALL. REFER TO CHART BELOW FOR MODIFIER DEFINITIONS. IF NO PARTITION TAG OR NUMERIC SECOND CHARACTER EXISTS, THE STUD SIZE WILL BE 3.58" FOR METAL STUD CONSTRUCTION AND 2x4 FOR WOOD CONSTRUCTION TYPICAL, U.N.O.
- ALL PARTITIONS EXTEND TO DECK UNLESS NOTED OTHERWISE.



PARTITION TYPE	CORE WIDTH	PARTITION WIDTH
M	0' - 3 1/2"	0' - 4 1/8"
M6	0' - 5 1/2"	0' - 6 1/8"

M WOOD STUD WITH 1 LAYER 5/8" GYP. BD. ON ONE SIDE

NOT TO SCALE



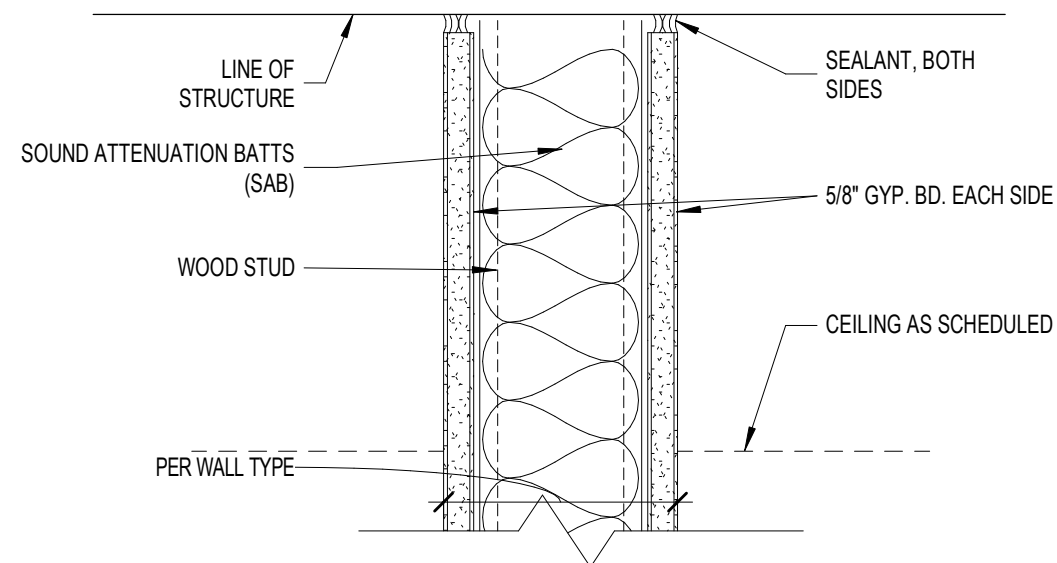
RATED ASSEMBLY PER
UL DESIGN NO. V319 OR UL DESIGN NO. U359

PARTITION TYPE	CORE WIDTH	PARTITION WIDTH
K	0' - 3 1/2"	0' - 4 1/8"
K6	0' - 5 1/2"	0' - 6 3/4"
K8	0' - 5 1/2"	0' - 6 1/2"

SHEATHING NOT INCLUDED IN WALL TYPE. COORDINATE WITH STRUCTURE AND ACCOUNT THICKNESS FOR DOOR JAMB REQUIREMENTS.

K WOOD STUD WITH 1 LAYER 5/8" GYP. BD. ON EACH SIDE

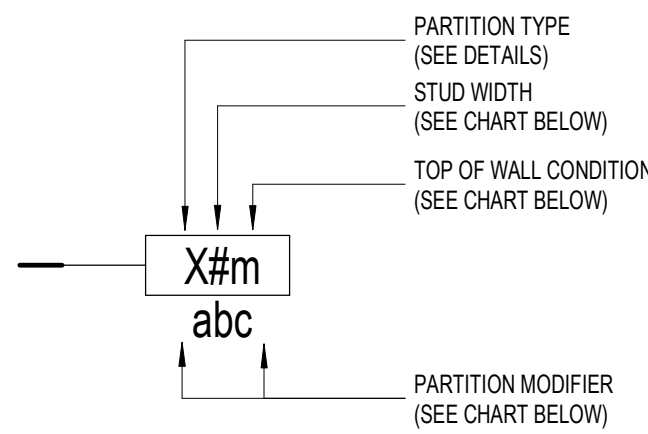
NOT TO SCALE



4 TOP OF WALL CONDITION

2' ± 1/4"

WALL TAG LEGEND



STUD WIDTH

#	METAL STUD WIDTH	WOOD STUD WIDTH
1	1 5/8"	
2	2 1/2"	
	3 5/8"	3 1/2"
6	6"	5 1/2"
8	8"	7 1/4"
10	10"	
12	12"	

TOP OF WALL CONDITION

ALL WALL ASSEMBLIES EXTEND TO DECK UNLESS NOTED OTHERWISE SEE 4/A611

- B** PARTITION EXTENDS TO BOTTOM OF CEILING
- C** PARTITION EXTENDS TO A MINIMUM OF 6" ABOVE CEILING
- P** PARTIAL HEIGHT WALL
- M** MULTI-CONDITION TERMINATION, SEE DETAILS

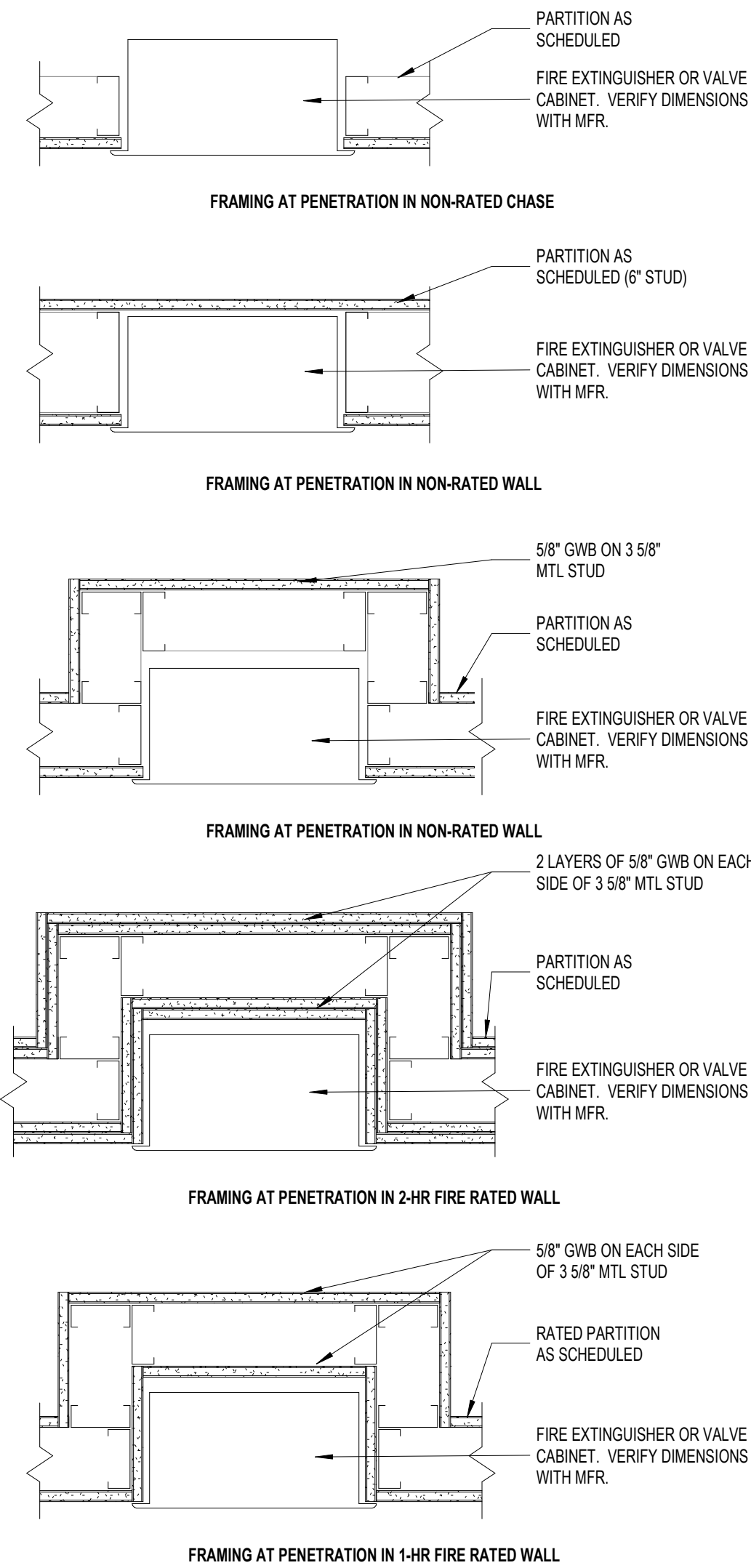
PARTITION MODIFIER

- f** PROVIDE FIRE BLOCKING AT A MAXIMUM OF 8'-0" ON BOTH DIRECTIONS
- g** PROVIDE STAGGERED STUDS WITHIN A SINGLE TRACK OR TOP/BOTTOM PLATES, SNAKE SOUND ATTENUATION BATTS AROUND STAGGERED STUDS
- h** PROVIDE ONE LAYER IMPACT-RESISTANT GYP. BD. TO EXCEED HARD BODY IMPACT CLASSIFICATION LEVEL 3 PER ASTM C 1629/C 1629M
- s** PROVIDE SECURITY MESH AT GYP. BD.
- v** PROVIDE VAPOR BARRIER ON INTERIOR FACE OF FRAMING

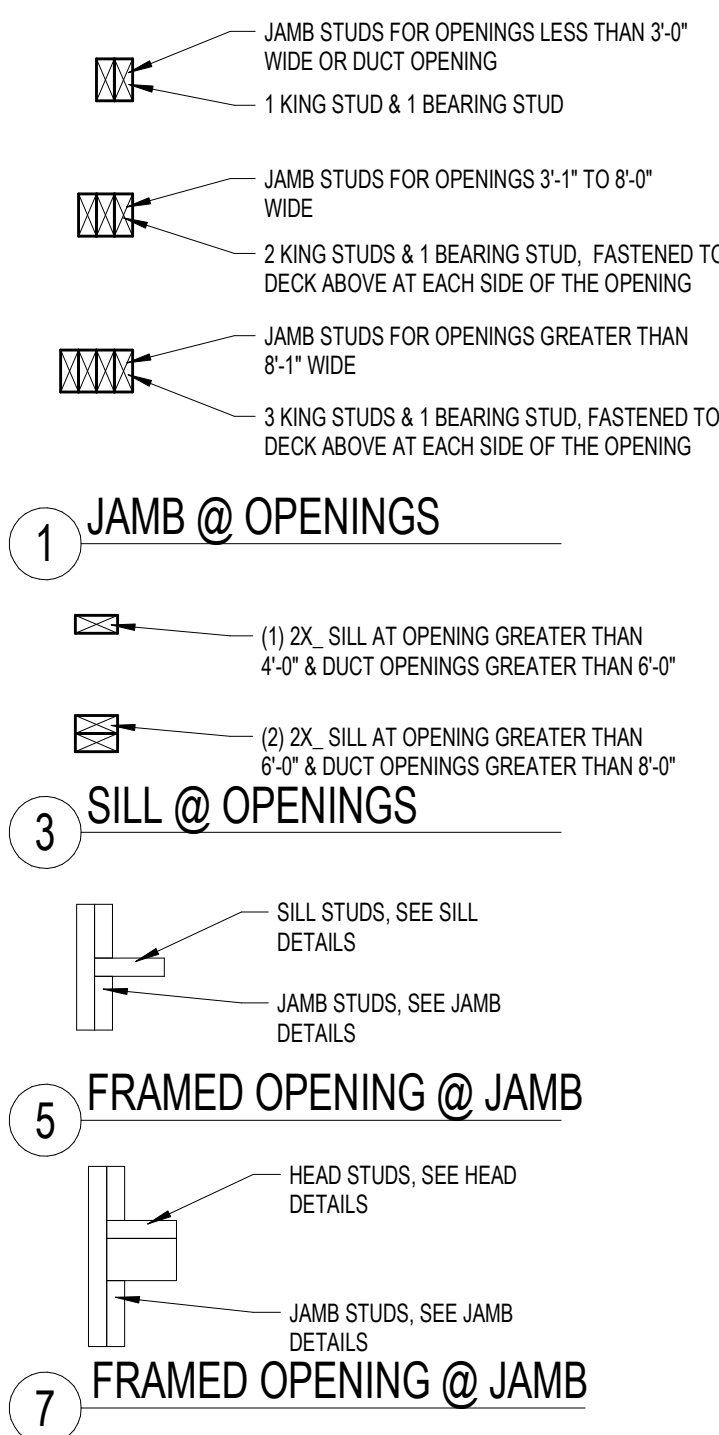
FIRE RATING LEGEND

NOT ALL FIRE RATINGS MAY BE USED ON THIS PROJECT. DRAWINGS SHOULD BE VIEWED/PRINTED IN COLOR TO ACCURATELY DEPICT THE RATED WALL CONDITION.





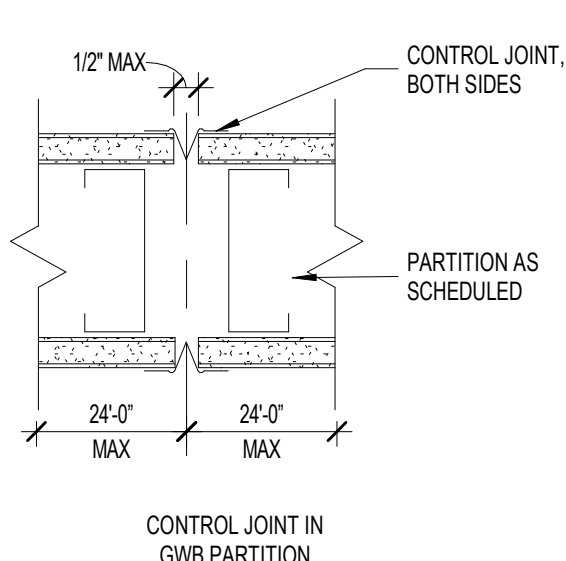
D2 | NON-RATED PENETRATION AND CABINET DETAILS
1 1/2" x 1 1/2"



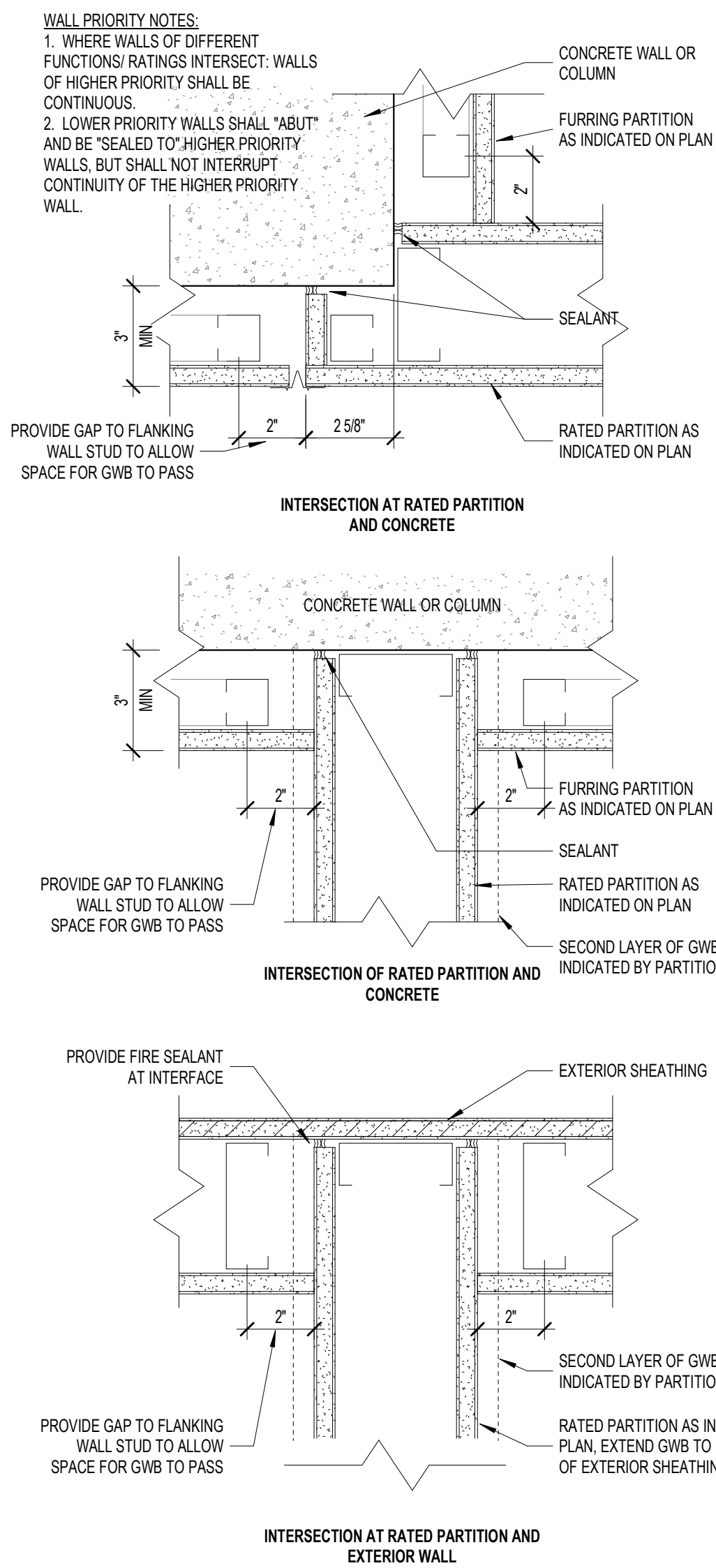
D4 | TYPICAL INTERIOR PARTITION FRAMING
3/4" x 1 1/2"

ADDITIONAL NOTES:

1. BUILDING CODE REQUIRES THAT "SMOKE PARTITIONS" BE SEALED TO STRUCTURE AS INDICATED TO SUCCESSFULLY LIMIT THE PASSAGE OF SMOKE.
2. CONDITIONS INDICATED TO SHOW DESIGN INTENT, AND NOT INTENDED TO BE PROPRIETARY. CONTRACTOR MAY EMPLOY SIMILAR UL-APPROVED CONTROL JOINTS DESIGNS THAT ARE APPROPRIATE FOR THE SPECIFIC CONDITION. JOINTS TO BE SIZED TO ACCOMMODATE MOVEMENT CAPABILITIES OF FIRESTOP ASSEMBLY.

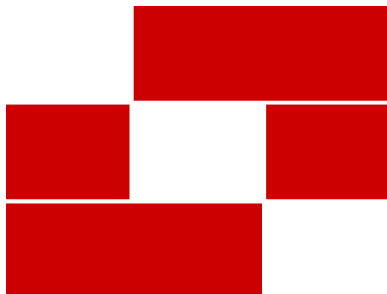
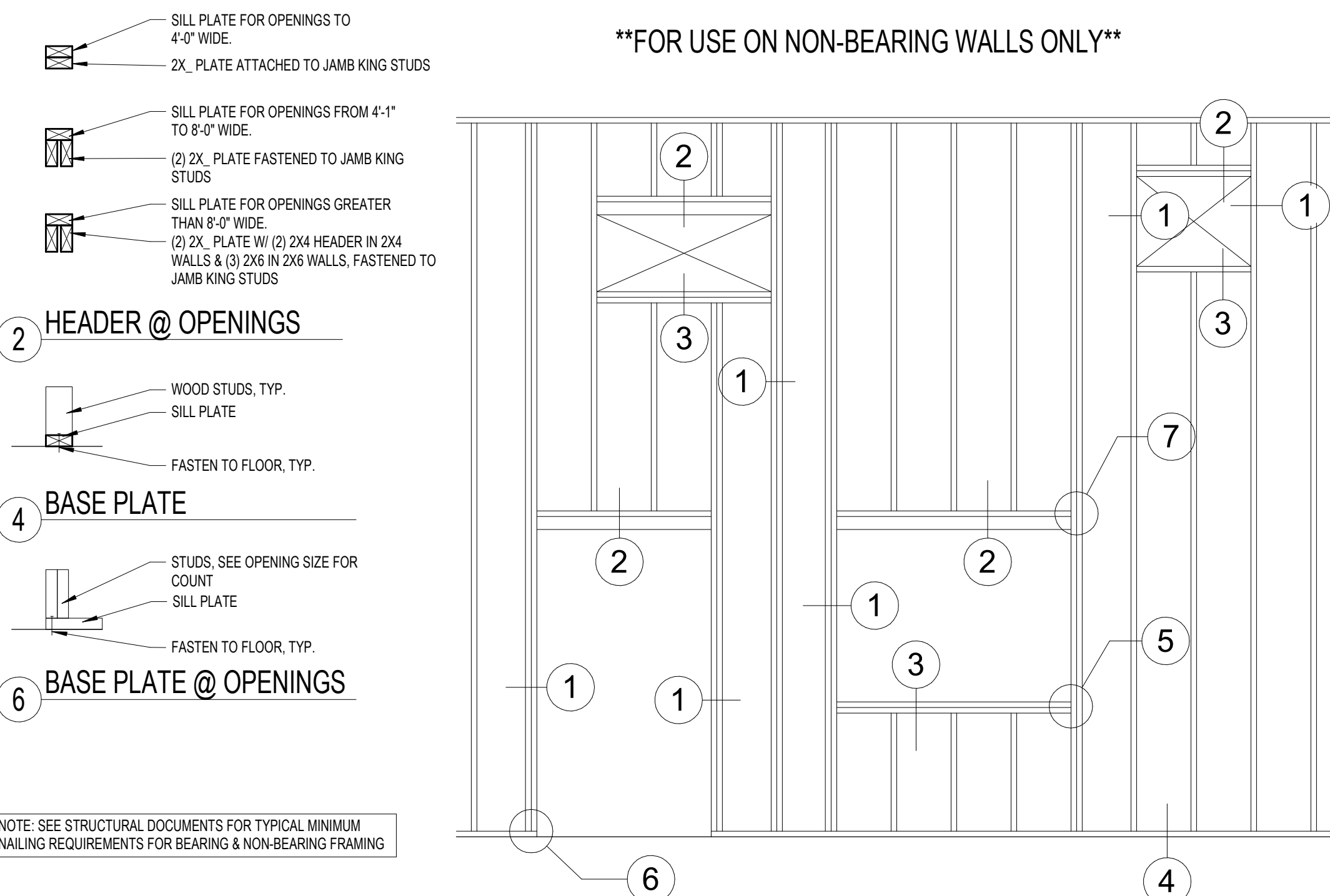


E5 | GWB DETAIL - TYPICAL GYPSUM WALLBOARD CONTROL JOINT DETAILS
1 1/2" x 1 1/2"



B2 | GWB DETAIL - TYPICAL GYPSUM WALLBOARD PRIORITY DETAILS
3" x 1 1/2"

FOR USE ON NON-BEARING WALLS ONLY



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

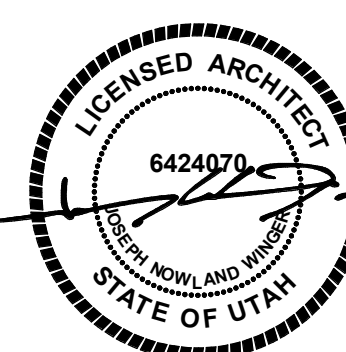
Revisions

Num.	Description	Date
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Project Number 25526
Original Issue 09/04/2026
Project Status Permit & Bid Set

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Sheet Title

STANDARD PARTITION
AND FRAMING
DETAILS

Sheet Number

A612

WINDOW & FRAME TYPE - GRAPHICAL SCHEDULE

NOTE: SEE DOOR SCHEDULE AND DOOR TAGS TO MATCH APPROPRIATE FRAME TYPE WITH DOOR TYPES.

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

GLAZING GENERAL NOTES

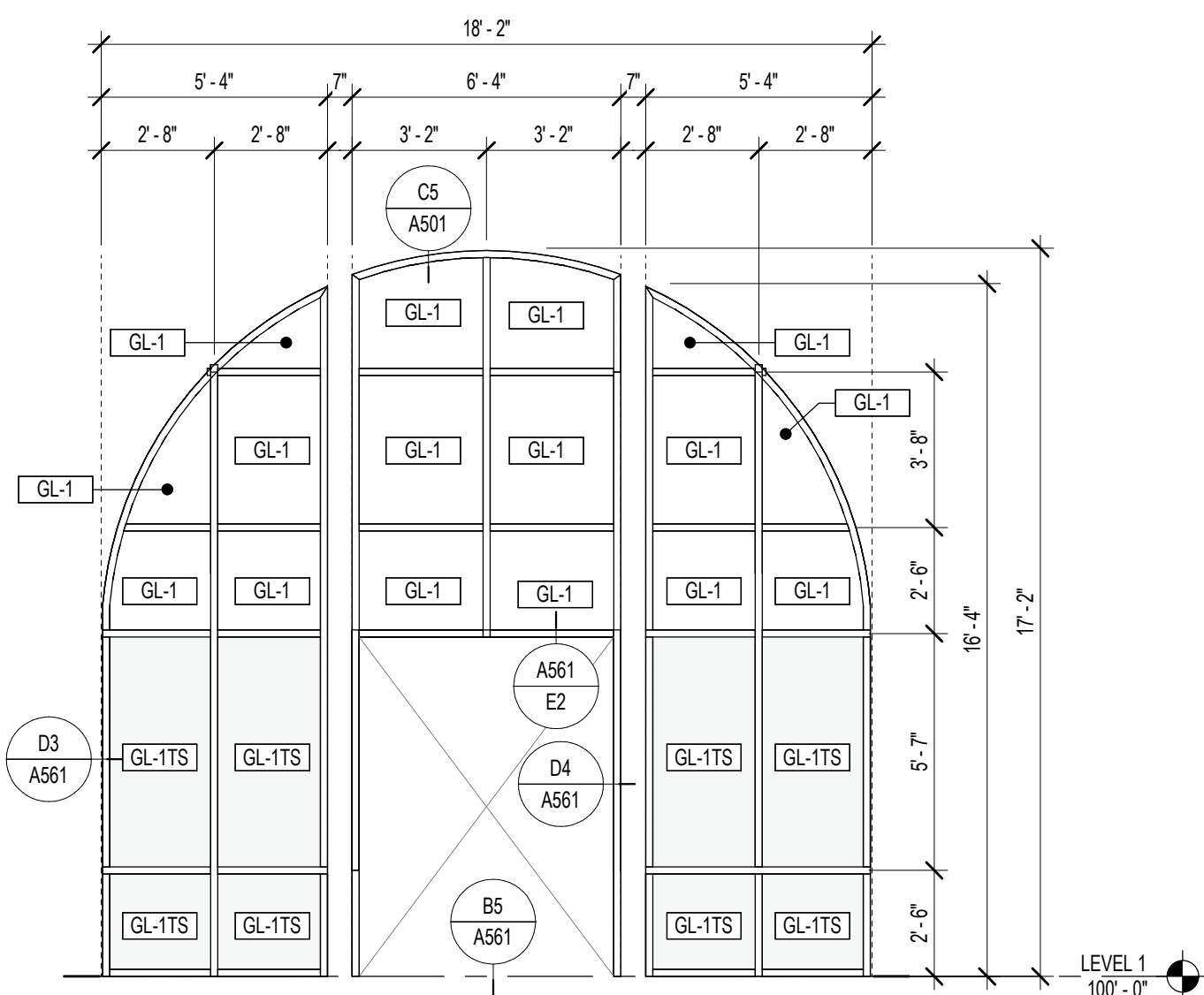
1. PROVIDE SOLID BACK FRAMES FOR ALL STOREFRONT SYSTEMS.
2. PROVIDE END DAMS AT BOTTOM OUTSIDE CORNERS OF ALUMINUM STOREFRONT SYSTEMS. INSTALL PER MANUFACTURERS STANDARDS AND REQUIREMENTS.
3. FRAME DIMENSIONS SHOWN ARE NOMINAL. ACTUAL DIMENSIONS MAY VARY DEPENDING ON WINDOW MANUFACTURER AND SYSTEM.
4. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE.

DOOR AND WINDOW FINISH LEGEND

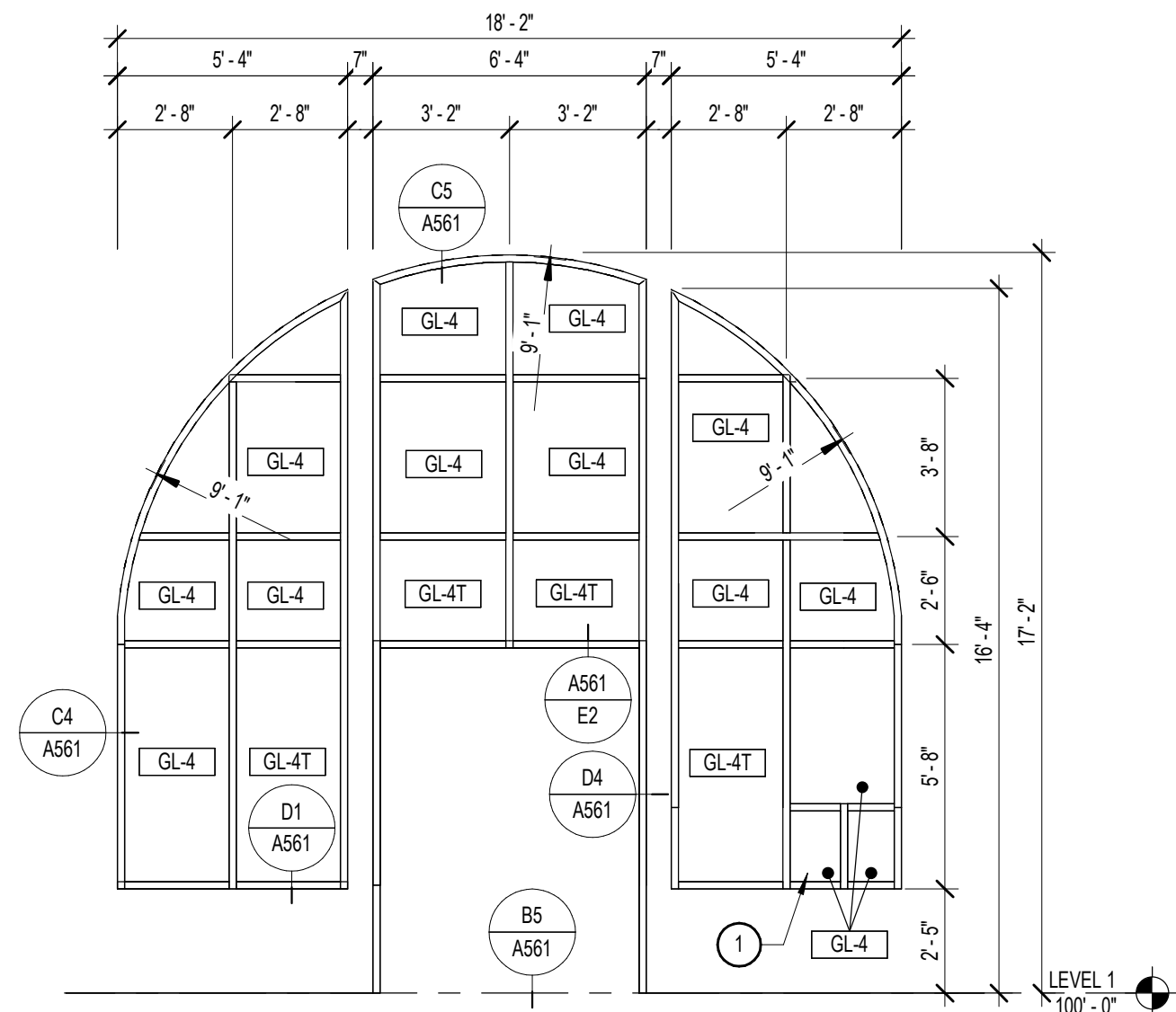
DB DARK BRONZE ANODIZED ALUMINUM
PT PER TENANT SPECIFICATIONS

PROVIDE SECURITY FILM FOR ALL GLAZING IN WINDOWS AND DOORS, MEETING THE MINIMUM STANDARD ESTABLISHED BY ASTM F3561 LEVEL 3 AND ANSI Z97.1-15(20).

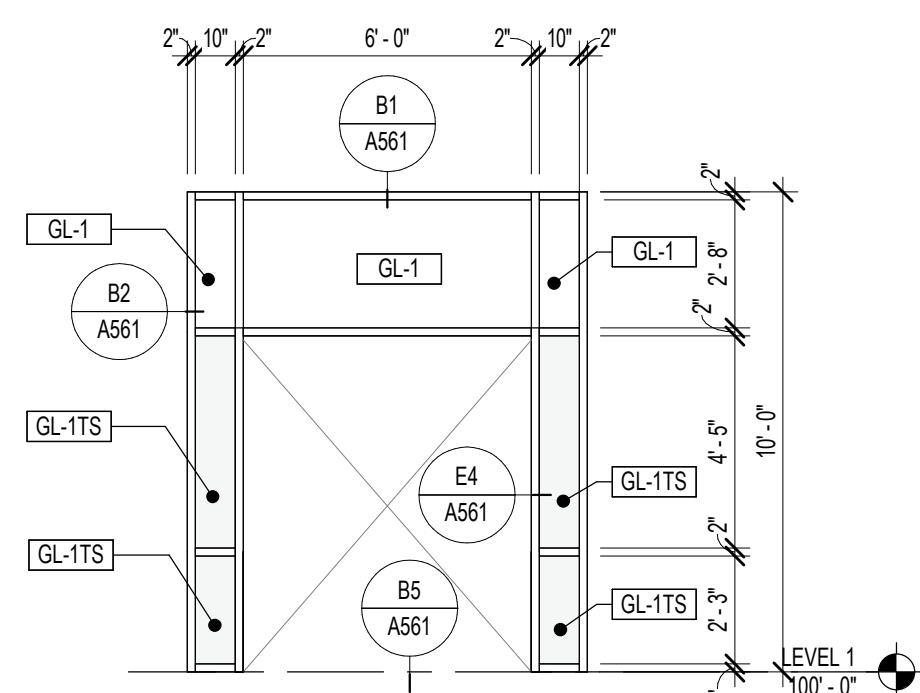
AREA OF SECURITY FILM INDICATED WITH SHADED REGION (S).



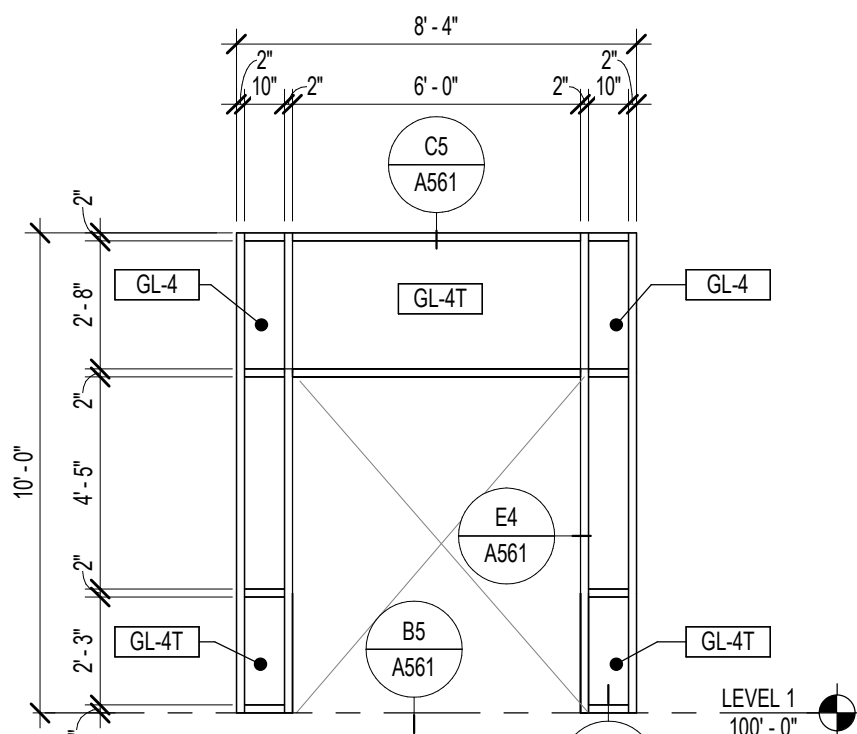
W1.a CURTAIN WALL
DARK BRONZE ALUMINUM



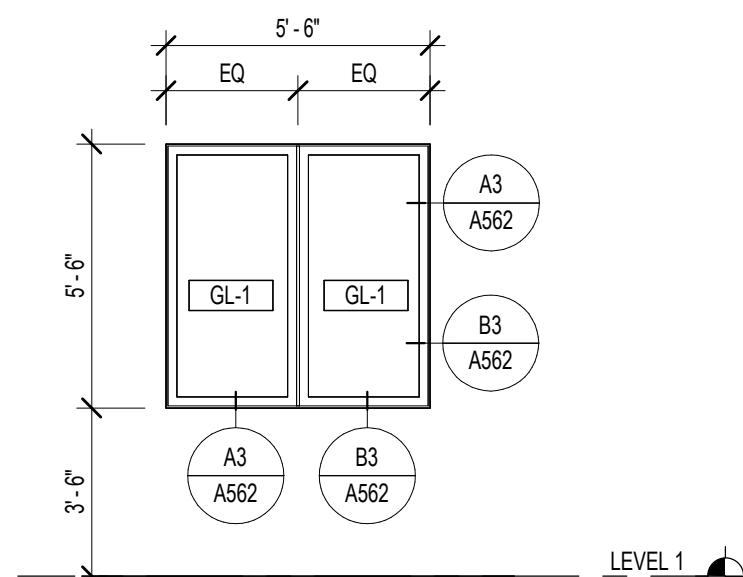
W1.b CURTAIN WALL
DARK BRONZE ALUMINUM



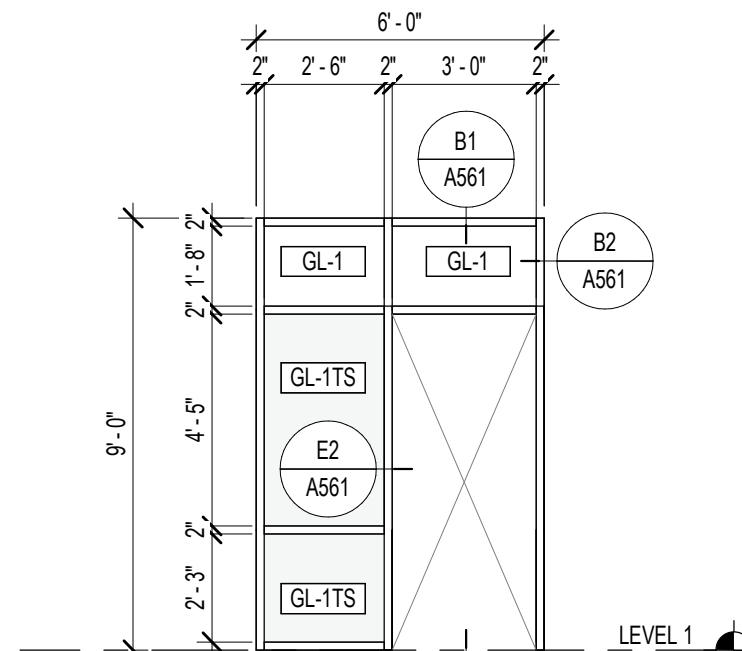
W2.a STORE FRONT
DARK BRONZE ALUMINUM



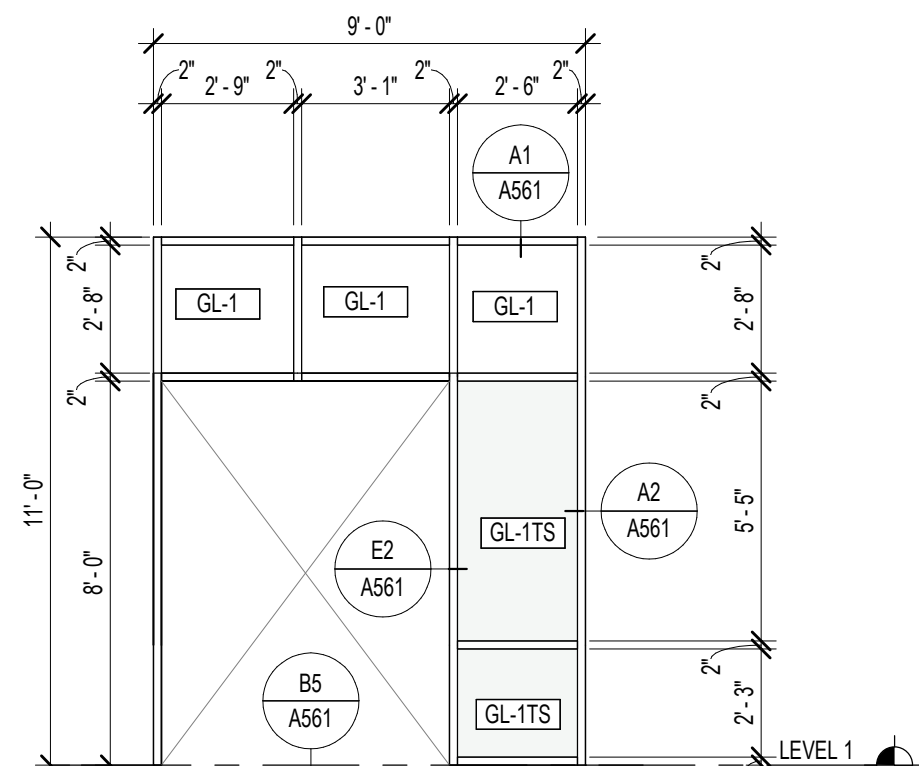
W2.b INTERIOR STOREFRONT



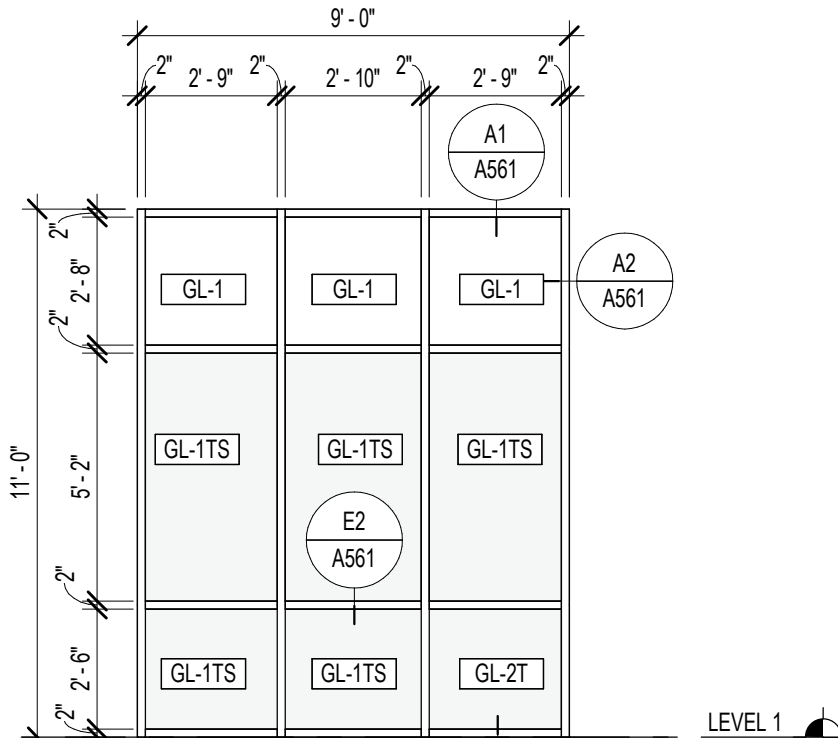
W8 VINYL WINDOW - CLASS RM.
WHITE



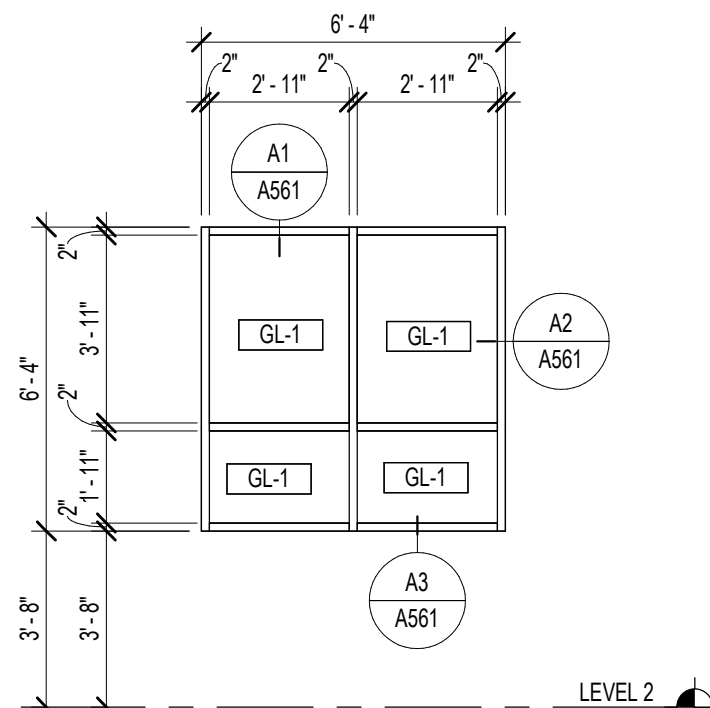
W4 STOREFRONT
DARK BRONZE ALUMINUM



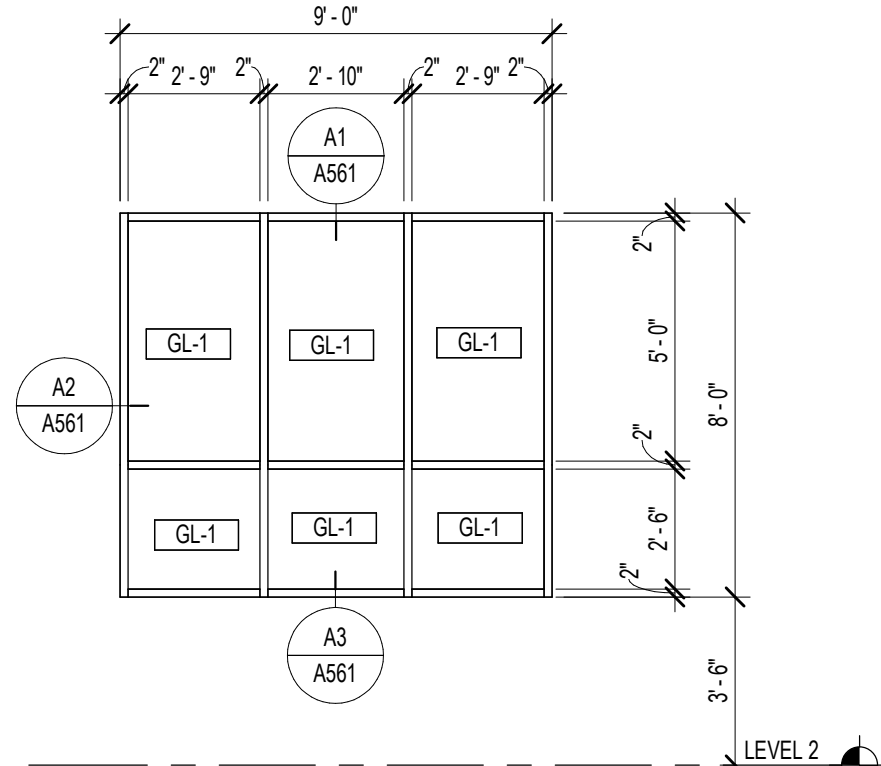
W6 STOREFRONT
DARK BRONZE ALUMINUM



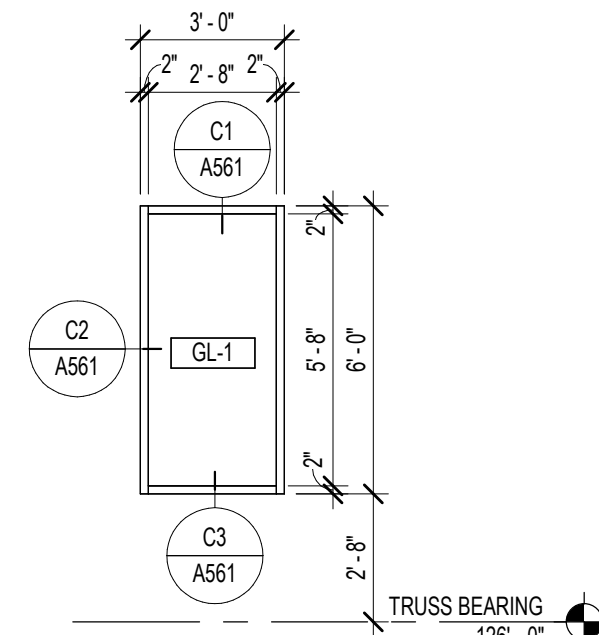
W7 STORE FRONT
DARK BRONZE ALUMINUM



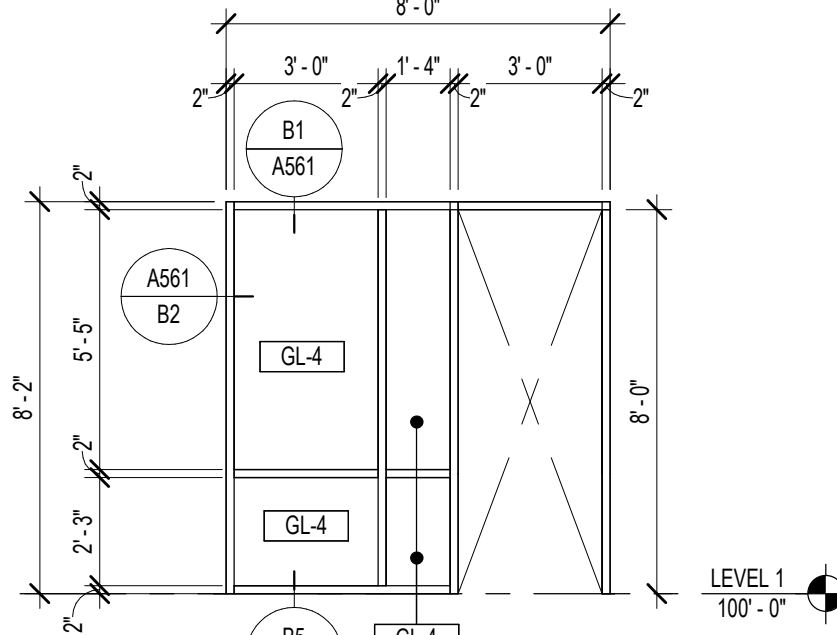
W8 STORE FRONT
DARK BRONZE ALUMINUM



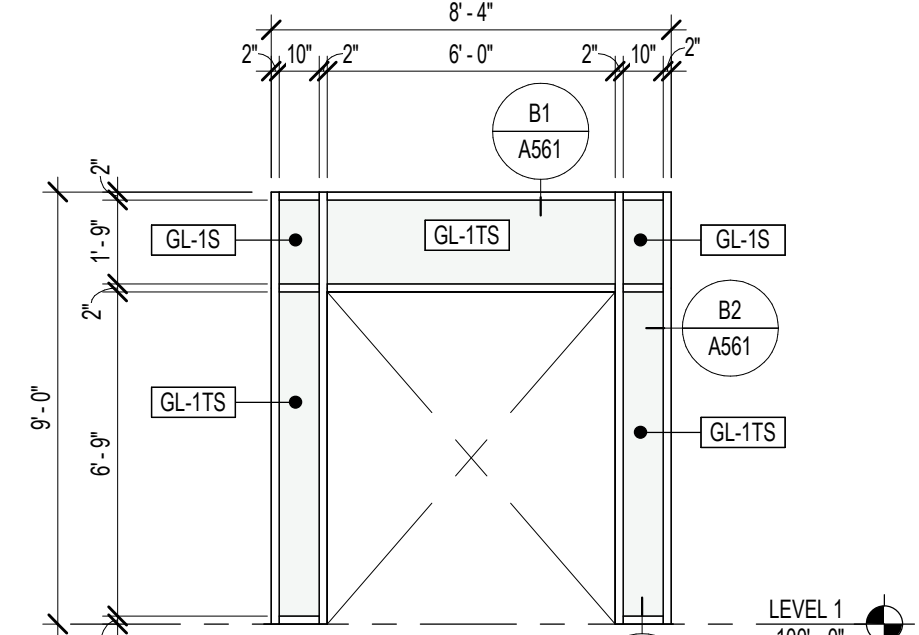
W9 STORE FRONT
DARK BRONZE ALUMINUM



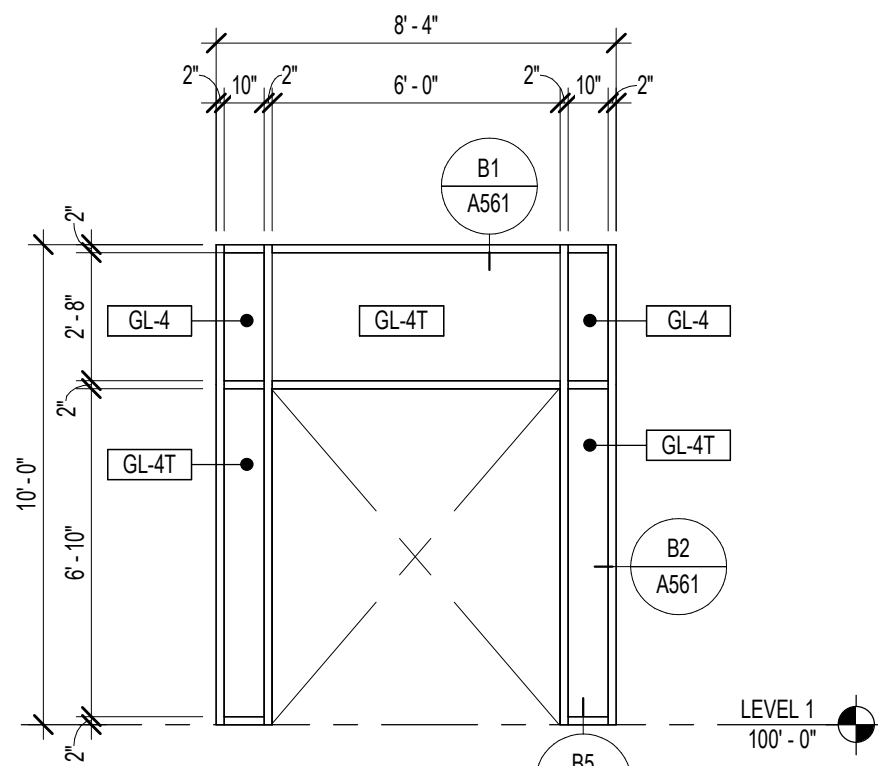
W10 STORE FRONT
DARK BRONZE ALUMINUM



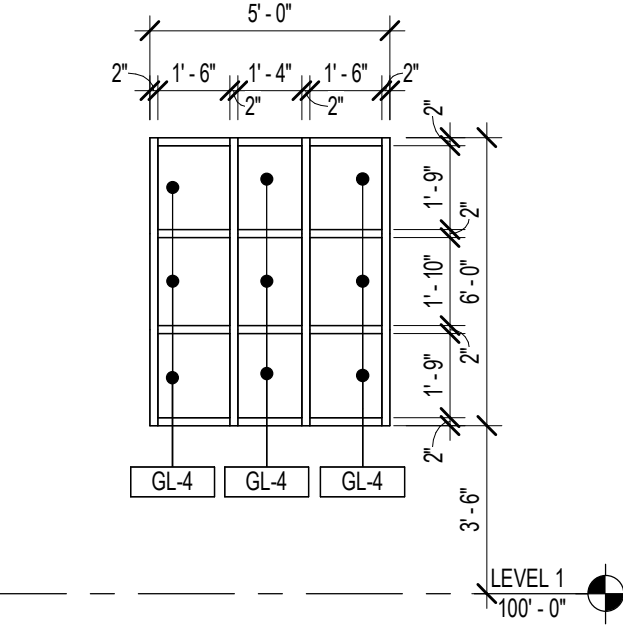
W11 STOREFRONT
DARK BRONZE ALUMINUM



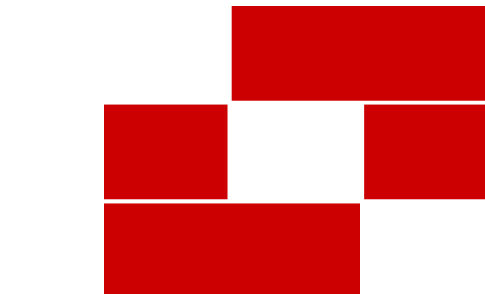
W12 STOREFRONT
DARK BRONZE ALUMINUM



W13 STOREFRONT
DARK BRONZE ALUMINUM



W14 VINYL WINDOW - POLE BARN
WHITE



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

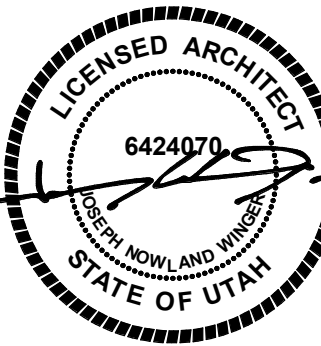
Revisions

Num.	Description	Date

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Project Status Permit & Bid Set

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Sheet Title

WINDOW SCHEDULE

Sheet Number

A621

Diagram illustrating the dimensions of a typical frame. The vertical dimension is labeled "HEIGHT" and the horizontal dimension is labeled "WIDTH". The frame is shown with a central opening and two circular components (likely wheels or rollers) on either side. The diagram is labeled "1" in a diamond shape.

NOTES

1. SEE DOOR SCHEDULE FOR DOOR WIDTH AND HEIGHT
2. INSET FRAME DEPTH/THROAT IS 6" UNLESS OTHERWISE NOTED
3. INSET FRAMES HEAD WIDTH IS 2" UNLESS DENOTED AS MASONRY HEAD
4. WRAPPED FRAME'S HEAD WIDTH IS 2"



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Sheet Number

A631



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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NEW CHARTER SCHOOL CAMPUS

1250 E 1200 N, MAPLETON, UT 84664

BUILDING SIGNAGE SCHEDULE			
Designation	Description	Sign Mounting	Comments
ST02m	MEN ADA RESTROOMS	Wall - Flat	
ST02w	WOMEN ADA RESTROOMS	Wall - Flat	
ST03	SINGLE OCCUPANT RESTROOM	Wall - Flat	
ST06	EXIT	Wall - Flat	
ST10	FIRE RISER ROOM SIGN	Wall - Flat	
ST09	EXIT STAIR EXIT THIS LEVEL	Wall - Flat	
ST17	EXIT STAIR EXIT LEVEL 1	Wall - Flat	
ST11	IN CASE OF FIRE USE STAIRS	Wall - Flat	
ST12	ELEVATOR	Wall - Flat	



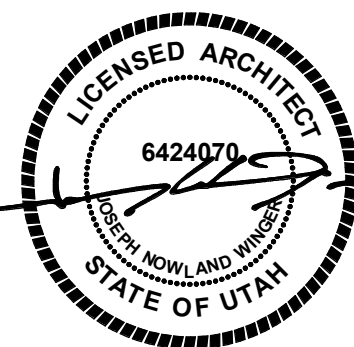
Revisions		
Num.	Description	Date

Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Se

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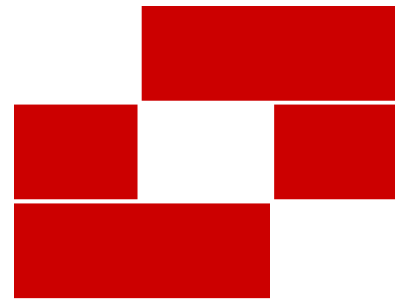


Sheet Title

INTERIOR SIGNAGE PLAN SCHEDULES

Sheet Number

A661



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

Revisions

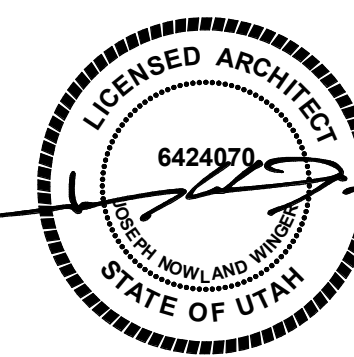
Num.	Description	Date
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Project Number	28526
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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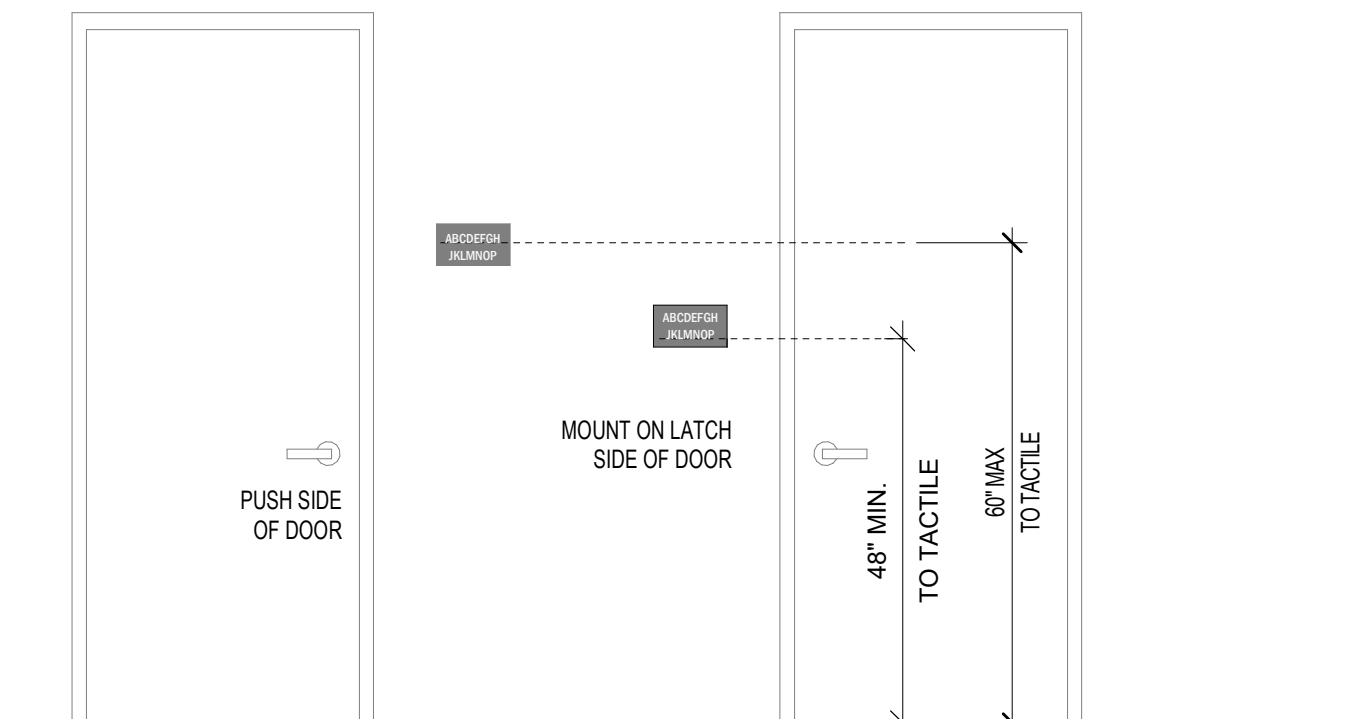


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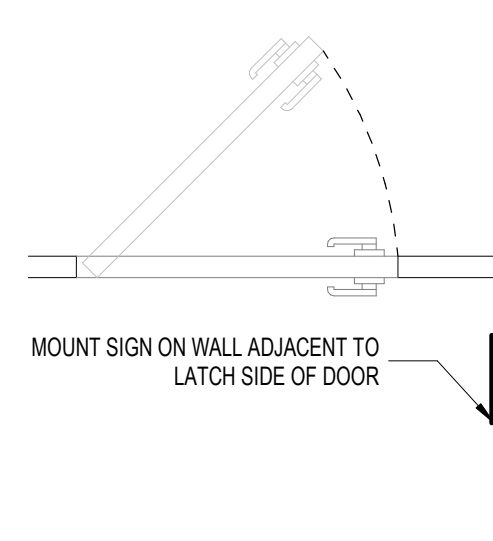
**INTERIOR SIGNAGE
PLAN SCHEDULES**

Sheet Number

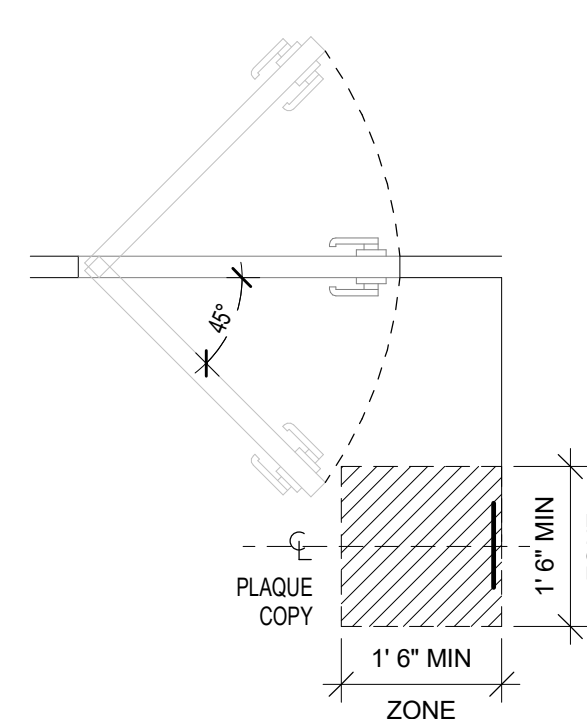
A662



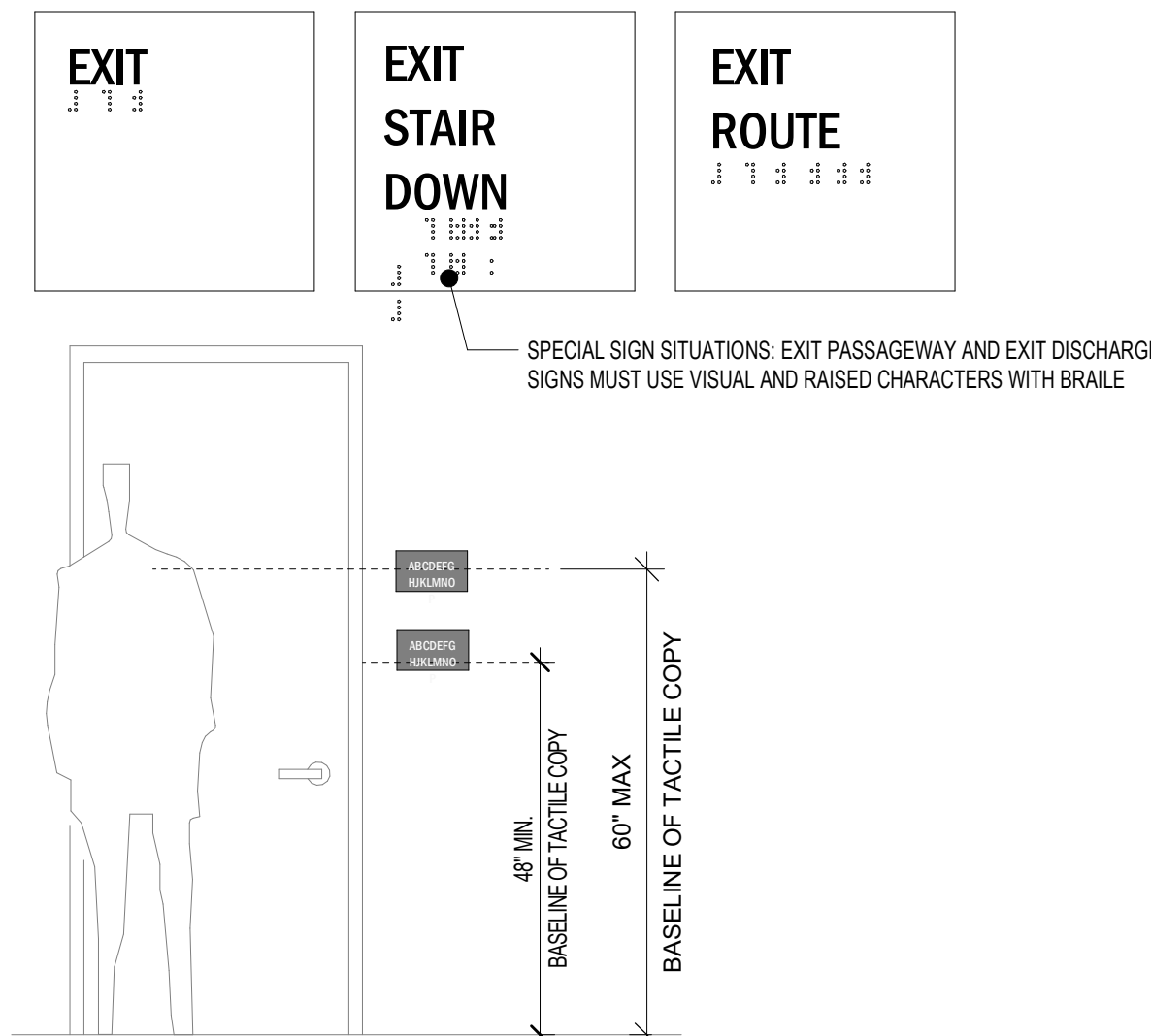
STANDARD SIGN LOCATION FOR PERMANENT ROOMS OR SPACES



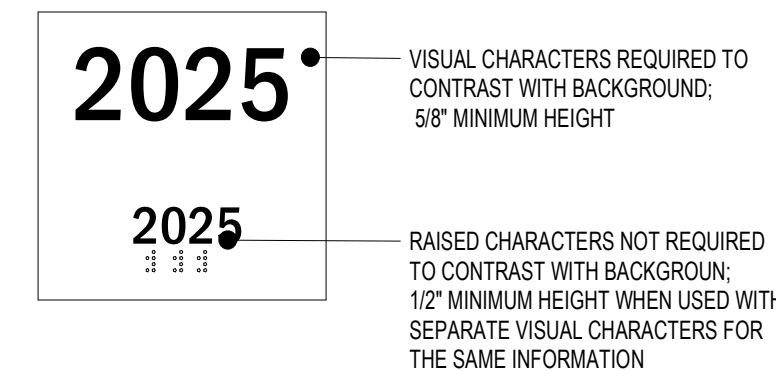
WHEN MOUNTING SPACE
IS NOT AVAILABLE



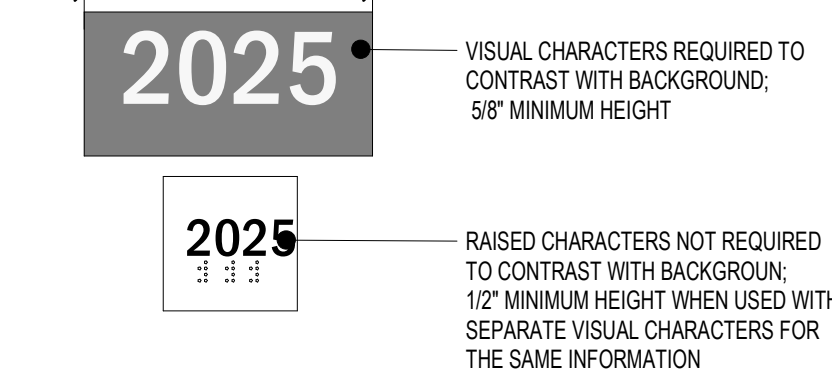
AT DOORS OPENING
OUTWARD INTO PATH OF
TRAVEL



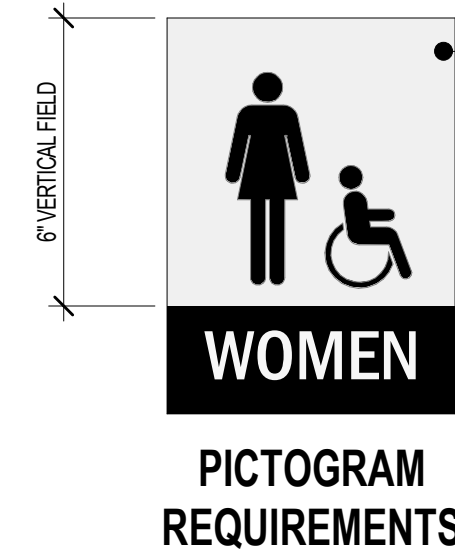
SPECIAL SIGN SITUATIONS



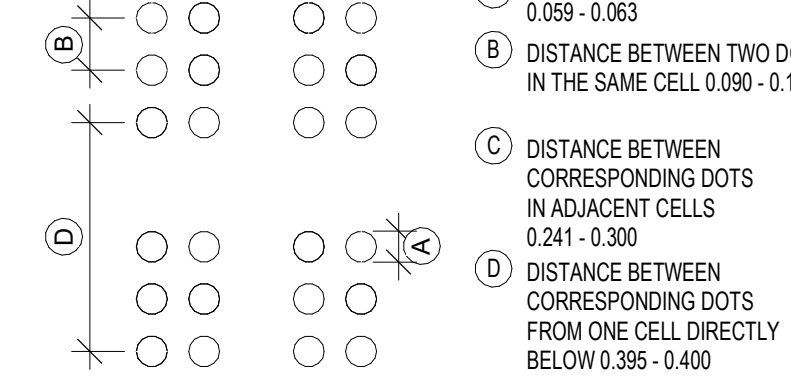
SEPARATE VISUAL CHARACTERS AND
RAISED CHARACTERS ON SINGLE SIGN



SEPARATE VISUAL CHARACTERS AND
RAISED CHARACTERS ON SINGLE SIGN

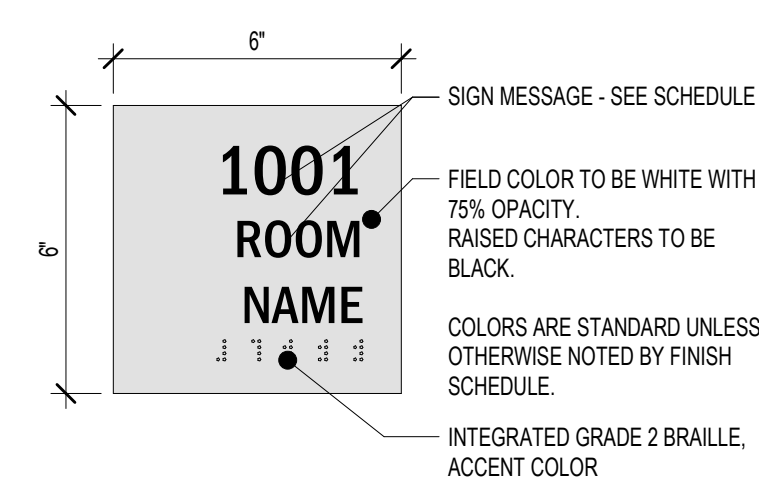


PICTOGRAM
REQUIREMENTS

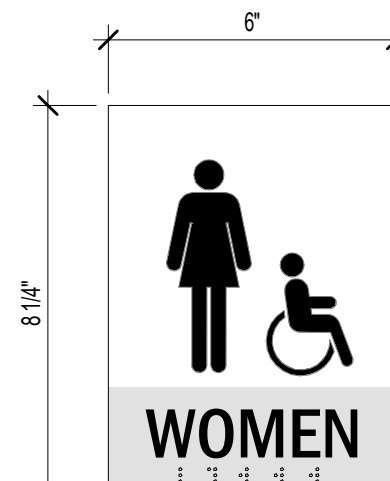


BRAILLE GRADE 2 MEASUREMENTS

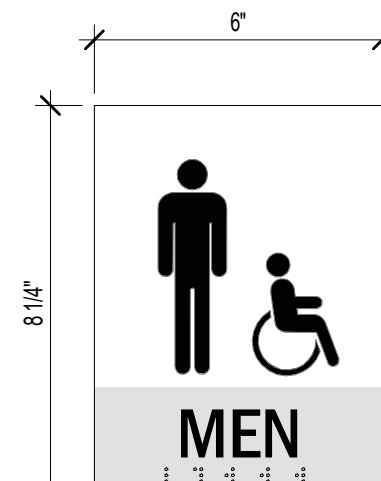
C2 | TYPICAL SIGNAGE DETAILS



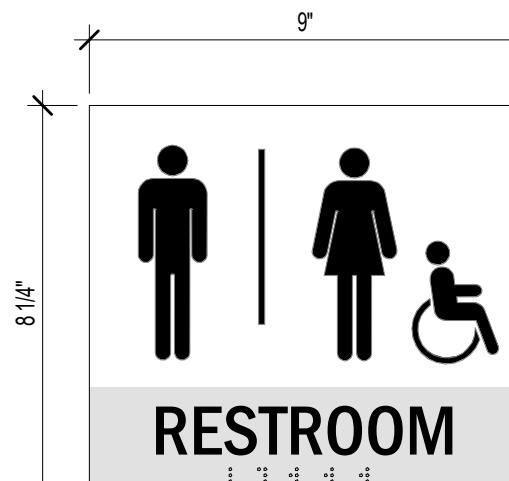
TYPE 1 -
ROOM IDENTIFICATION
PROVIDE WHERE INDICATED



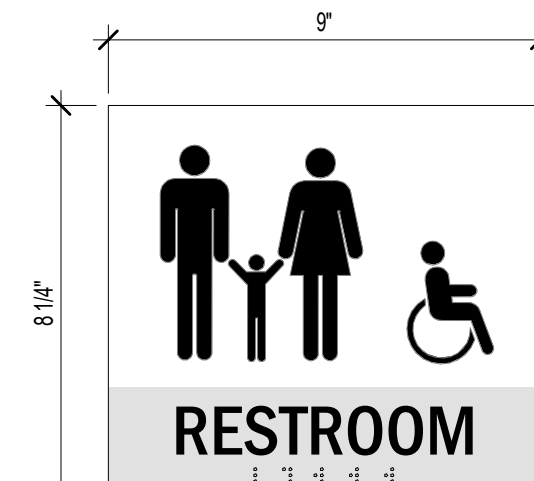
TYPE 2w - WOMEN
ADA RESTROOM
PROVIDE WHERE INDICATED



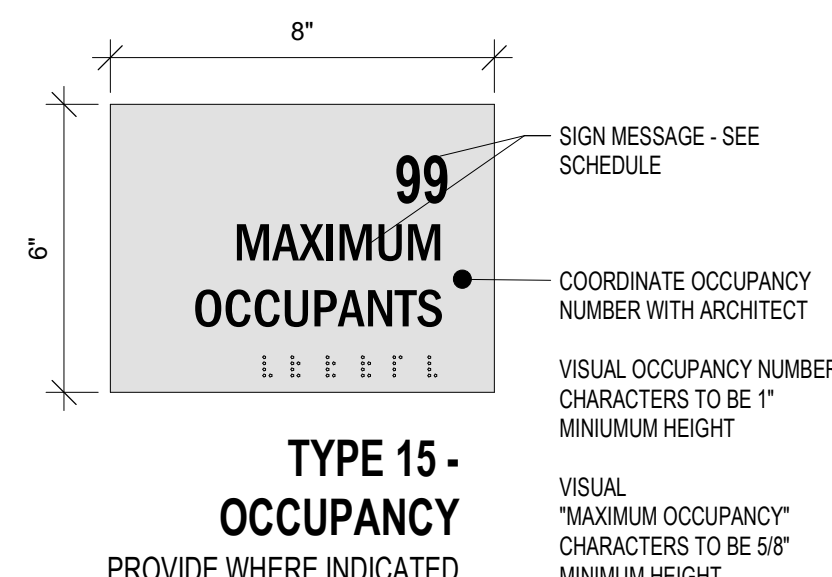
TYPE 2m - MEN
ADA RESTROOM
PROVIDE WHERE INDICATED



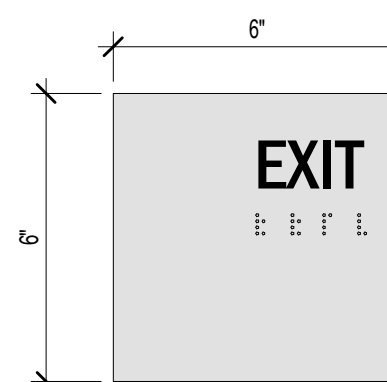
TYPE 3 - SINGLE OCC.
RESTROOM
PROVIDE WHERE INDICATED



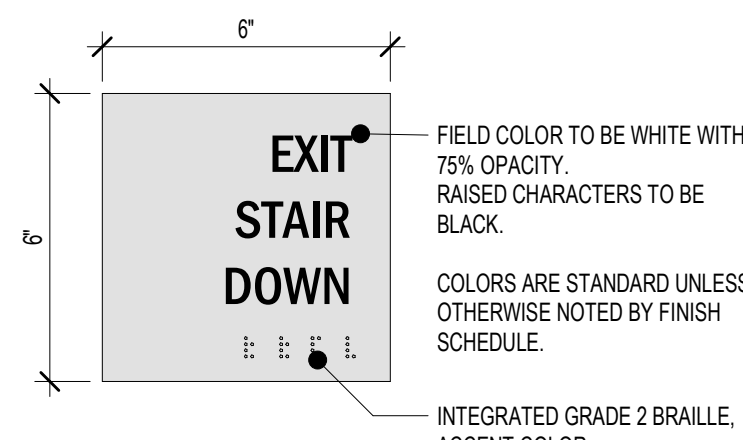
TYPE 4 - FAMILY/ASSISTED
RESTROOM
PROVIDE WHERE INDICATED



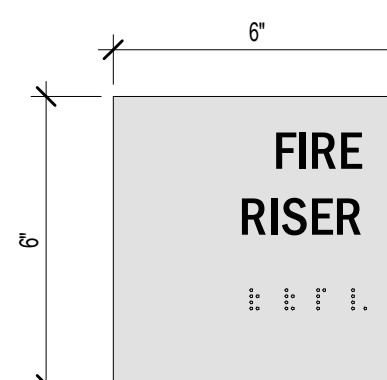
TYPE 15 -
OCCUPANCY
PROVIDE WHERE INDICATED



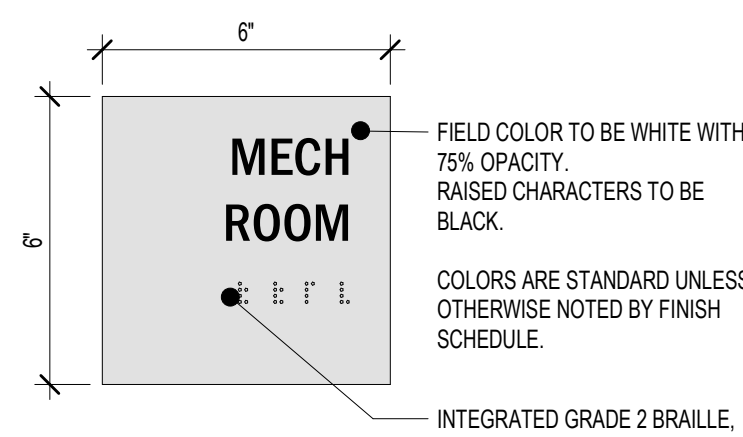
TYPE 5 - EXIT
PROVIDE WHERE INDICATED



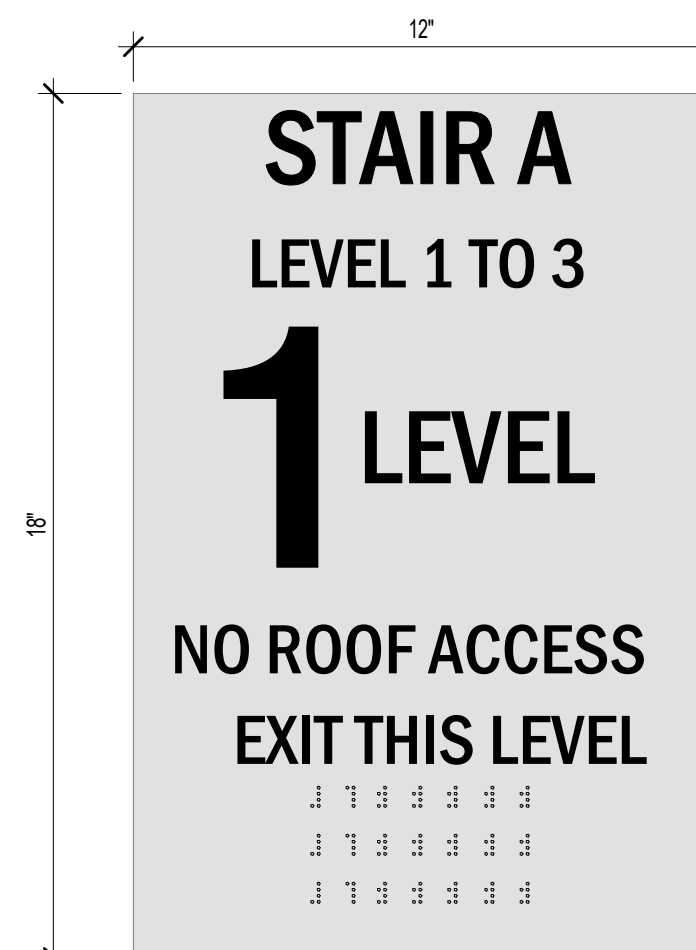
TYPE 6 - EXIT
STAIR DOWN
PROVIDE WHERE INDICATED



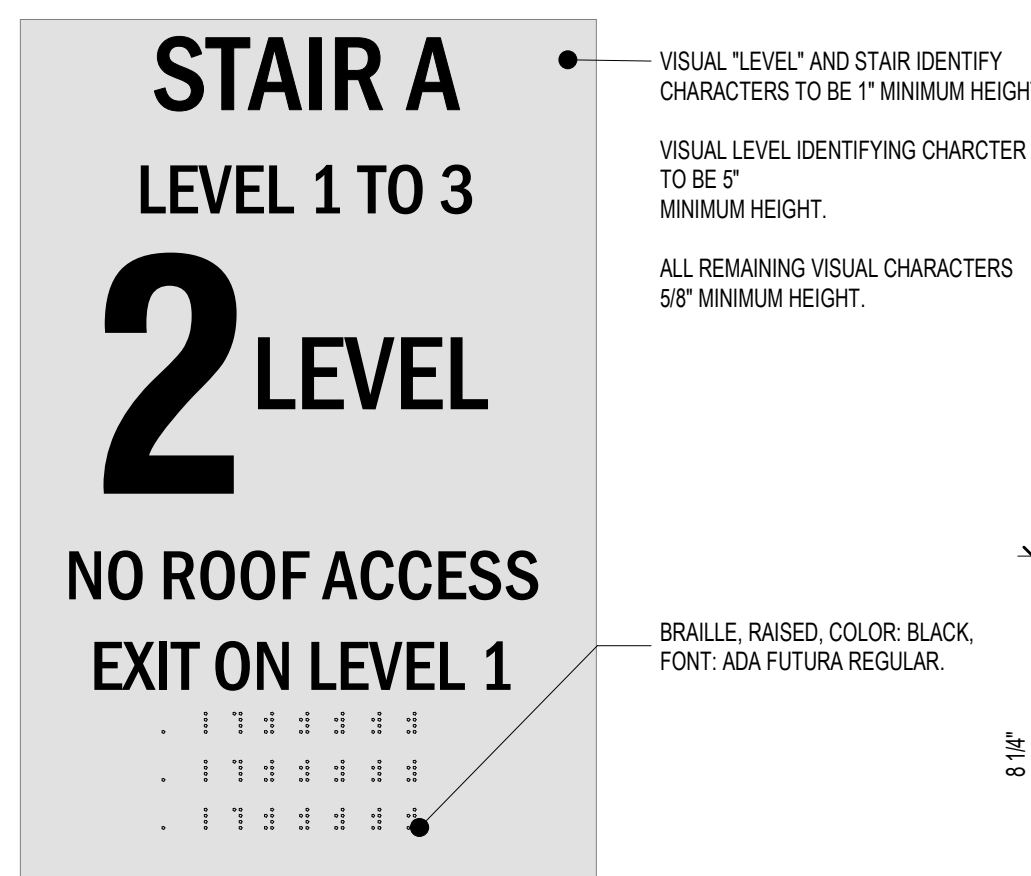
TYPE 7 - FIRE RISER
PROVIDE WHERE INDICATED



TYPE 8 -
MECHANICAL ROOM
PROVIDE WHERE INDICATED



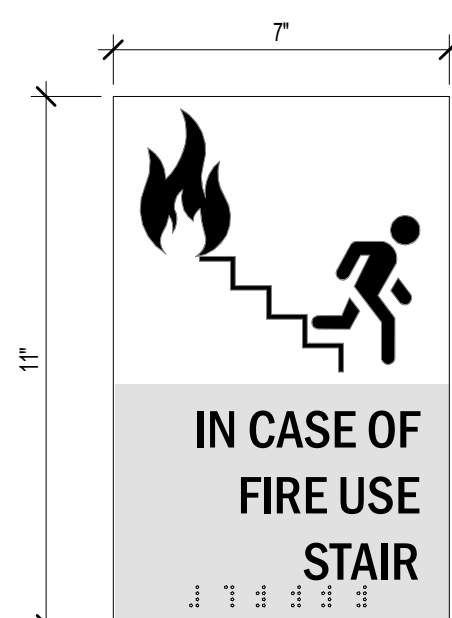
TYPE 9 - EXIT STAIR EXIT THIS
LEVEL
PROVIDE AT INTERIOR OF STAIRWELL
AT EACH STAIR ON LEVEL 1



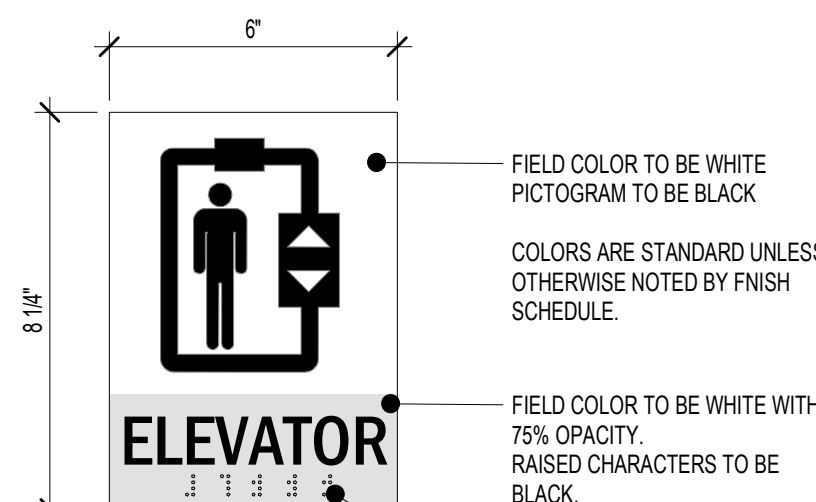
TYPE 10 - EXIT STAIR
EXIT LEVEL 1
PROVIDE AT INTERIOR OF STAIRWELL
AT EACH STAIR ON EACH LEVEL
EXCEPT LEVEL 1



TYPE 16 - PICTOGRAM OPTION
FOR PERMANENT ROOMS & SPACES
PROVIDE WHERE INDICATED



TYPE 11 - IN CASE OF
FIRE USE STAIRS
PROVIDE ONE SIGN PER LEVEL
ADJACENT TO ELEVATOR BANK
EXCEPT LEVEL 1



TYPE 12 -
ELEVATOR
PROVIDE WHERE INDICATED



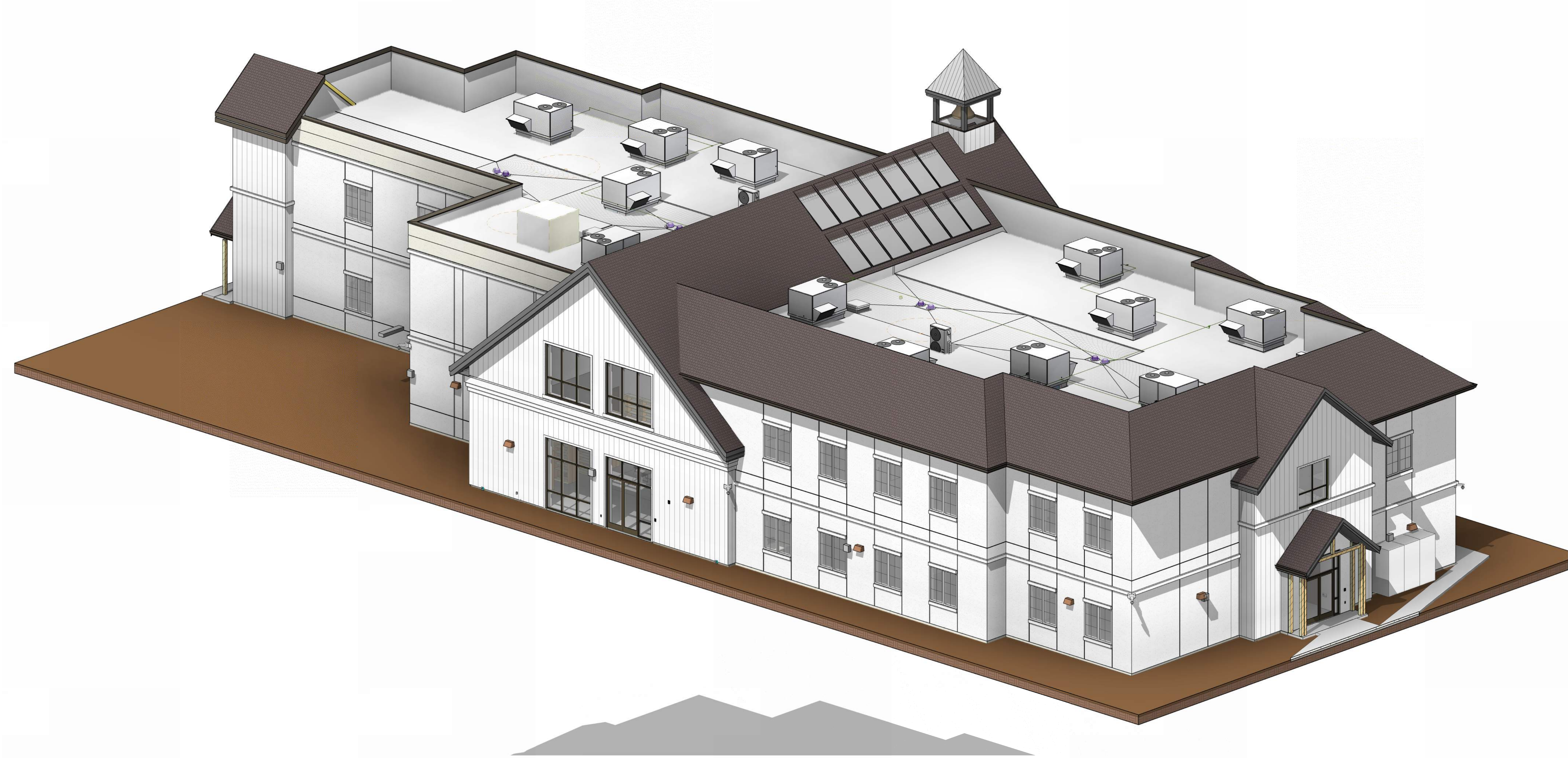
TYPE 13 -
PERMANENT ROOMS & SPACES
PROVIDE WHERE INDICATED



TYPE 14 -
VINYL SIGN TYPE
PROVIDE WHERE INDICATED

D5 | TYPICAL SIGNAGE TYPES

3" x 1'-0"



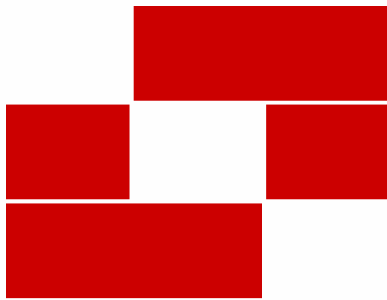
3 | EXTERIOR REAR ISO



1 | ISO - front entrance



2 | FOYER



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

1250 E 1200 N, MAPLETON, UT 84664

Revisions

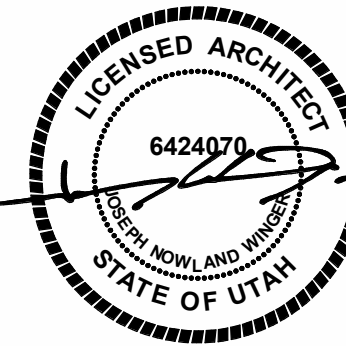
Num.	Description	Date
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Project Number 20526
Original Issue 09-04-2026
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Sheet Title

3D VIEWS AND
RENDERINGS

Sheet Number

A901

GENERAL STRUCTURAL NOTES

GENERAL

- The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
- Typical details and sections shall apply where specific details are not shown.
- The structural drawings are not all-inclusive and do not contain all dimensions, elevations, openings, mechanical shafts, and penetrations needed to build the structure. The contractor shall coordinate these items with the Architectural, Mechanical and Electrical drawings.
- The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
- Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
- The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
- The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
- The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
- The contractor shall not cut or core any holes in concrete walls without prior review by the architect/engineer.
- Site observations by BHB Consulting Engineers' field representative shall not be construed as approval of construction procedures nor special inspection.
- Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultant's drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical, and electrical drawings.
- Contractor shall review shop drawings for compliance with contract documents, and stamp shop drawings with review stamp prior to submission to architect for review. Review of shop drawings by BHB Consulting Engineers is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents. Fabrication shall not begin until shop drawings review process is complete. Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
- Only an authorized representative of BHB Consulting Engineers may make changes to these contract drawings. BHB Consulting Engineers shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers.
- Bidding, pricing or construction done prior to receiving final building permits from the authorities having jurisdiction is at the contractor's own risk. Changes to the drawings may be required as part of the plan check process. BHB Consulting Engineers will not be held liable for, nor compensate for, changes to these drawings before final jurisdiction approval is obtained.

BASIS OF DESIGN

- Governing Code: International Building Code 2024
a. Risk Category: III
- Dead Loads:
 - a. Roof: 25 psf
 - b. Floor: 35 psf
- Other Dead Loads (already included in loads above):
 - i. Cypripate Topping Load: 9.5 psf (1 inch thickness; 115 pcf dry density)
 - ii. 5 psf PV load at all roofs except overbuild
 - iii. 5 psf roof overbuild
- Snow Loads (Strength Level):
 - a. Ground Snow Load: $P_g = 72$ psf
 - b. Snow Exposure Coefficient: $C_e = 1.0$
 - c. Thermal Exposure Coefficient: $C_t = 1.15$
 - d. Roof Snow Load: $P_f = 0.7 * C_e * C_t * I_s * P_g = 63$ psf plus Snow Drift
- Rain Loads:
 - a. Rain Intensity: $i = 1.5$ in/hr
- Roof Live Load: 20 psf
- Floor Live Loads:
 - a. Classrooms: 40 psf
 - b. Corridors Above the First Floor: 80 psf
 - c. Light Storage: 125 psf
 - d. Stairs and Exit Ways: 100 psf
- Seismic Loads:
 - a. Seismic Importance Factor, I_s : 1.25
 - b. Seismic Design Category: D
 - c. Site Specific Ground Motion Analysis:
 - Mapped Spectral Acceleration:
 - $S_{DS} = 2/3 * S_{MS} = 0.98g$
 - $S_{D1} = 2/3 * S_{M1} = 0.62g$
 - $S_{M2} = 1.47g$
 - $S_{M1} = 0.93g$
 - d. Soil Site Class: CD
 - e. 5% Damped Spectral Response Accelerations at:
 - $S_{DS} = 2/3 * S_{MS} = 0.98g$
 - $S_{D1} = 2/3 * S_{M1} = 0.62g$
 - $T_a = 0.256$ seconds
- Fundamental Building Period: $T_a = 1.64g$
- Design Spectral Response Acceleration: Light Framed Wood Sheathed Shear Walls
- Response Modification Coefficient: $R = 6.5$
- System Over-strength Factor: $Q_s = 3.0$
- Deflection Amplification Factor: $C_d = 4.0$
- Redundancy Factors: $\rho_s = 1.0$; $\rho_y = 1.0$
- Seismic Response Coefficient: $C_s = S_{DS} * I_s / R$
- Effective Seismic Weight: W
- Dead Loads of Structure:
 - i. Total operating weight of equipment
 - ii. 15% of Snow Load
- Base Shear: $V_x = C_s * W = 0.214 * W$
 $V_y = C_s * W = 0.214 * W$
Equivalent Lateral Force (Static)
- Analysis Procedure
- Wind Loads:
 - a. Basic Wind Velocity (3 Second Gust): 109 mph
 - b. Exposure Type: C
 - c. Internal Pressure Coefficient, GCP_i : +/-0.18
 - d. Topographic Factor, K_{zt} : 1.0
 - e. Ground Elevation Factor, K_e : 0.84
 - f. Components and Cladding Wind Force Table (psf, Strength Level Design Forces)

	Location	Tributary Area (square feet)				
		10	20	50	100	500
Walls	Zone 5: Within 11.725 feet of building corners	33.9	31.6	28.6	26.3	21.0
	Zone 4: All other areas	27.5	26.3	24.8	23.7	21.0
	Zone 3: Within 11.725 feet of building corners	57.5	50.0	40.2	32.8	25.3
Roof	Zone 2: Within 11.725 feet of building edges	46.8	41.8	35.2	30.3	25.3
	Zone 1: All other areas	42.5	36.0	27.5	21.0	21.0

- Serviceability Criteria:
 - a. Beam Non-Composite Superimposed Load Deflection:
 - i. Interior: L/360
 - ii. Perimeter: L/360 (0.625" Max)
 - b. Interstory Seismic/Wind Drift:
 - i. All: $\Delta_{sw} < 0.02h$ (Where h is the story height)
 - c. Elevator Machine Room Support Beams: L/1666
 - d. Elevator Rail Bracket Location Criteria: Car and counterweight rail brackets must occur 3'-6" maximum distance above and/or below divider beams/floor slabs to satisfy deflection requirements.

FOUNDATION

- Soils Report:
 - a. Author: AGEC Applied GeoTech
 - b. Dated: July 14, 2025
 - c. Project No: NO. 1260315
- Soil Bearing Pressure: 3,500 psf. see Earthwork Section.
- Frost Protection: 30" minimum to bottom of footing. Contractor shall field verify that the footing elevations and final grades indicated on the plans will provide the minimum frost protection. The contractor shall notify the architect/engineer if there are any locations where the minimum frost protection might not be achieved prior to placing concrete.
- Lateral Soil Pressure Fluid Equivalent Density:
 - a. Active: 50 pcf (retaining walls)
 - b. At Rest: 65 pcf (rigid foundation walls)
 - c. Passive: 250 pcf
- Coefficient of Friction: 0.45

EARTHWORK

- All footings shall bear on native material or compacted structural fill extending down to suitable natural material.
- Consult the project specifications and soils report for further earthwork requirements.

CONCRETE

- Materials, unless noted otherwise:
 - a. Normal weight aggregates: ASTM C 33
 - i. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1.1/2") or 8% - 22% for smaller top size aggregates (1" or 3/4") retained on each sieve below the top size and above the No. 100. The range for the No. 30 and No.50 sieves shall be 8% - 15% retained in each. To avoid gap gradation the following shall occur:
 - The percent retained on two adjacent sieves shall not fall below 5%.
 - The percent retained on three adjacent sieves shall not fall below 8%.
 - When the percent retained on two adjacent sieves is less than 8%, the total retained on either of these sieves and the adjacent outside sieve shall be at least 13%. See ACI 302 Section 5.4.3.3 for more information.
 - ii. A gradation chart or table shall be submitted with mix designs for slabs on grade.
 - iii. Maximum Aggregate Size shall not be larger than:
 - 3.1/2" or 1/5 the narrowest dimension of the forms
 - 1/3 the depth of the slab
 - 3/4 the minimum clear spacing between bars
 - b. Reinforcing Steel: ASTM 615 Grade 60 ($F_y = 60$ ksi)
Use Grade 40 ($F_y = 40$ ksi) for field bent dowels with spacings indicated reduced by 1/3.
ASTM A970
 - c. Headed Reinforcing Bars: ASTM A496
 - d. Deformed Bar Anchors (DBA): ASTM A108
 - e. Headed Stud Anchors (HSA): See Structural Steel section
 - f. Anchor Rods: See Structural Steel section
 - g. Admixtures:
 - i. Air-entraining admixtures shall comply with ASTM C 260 (when used).
 - ii. Calcium chloride shall not be added to the concrete mix.
 - iii. Water-reducing admixture shall comply with ASTM C 494/C 494M, Type A (when used)
 - iv. Retarding admixture shall comply with ASTM C 494/C 494M, Type B (when used).
 - v. Water-reducing and retarding admixture shall comply with ASTM C 494/C 494M, Type D (when used).
 - vi. High-range, water-reducing admixture shall comply with ASTM C 494/C 494M, Type F (when used).
 - vii. High-range, water-reducing and retarding admixture shall comply with ASTM C 494/C 494M Type G (when used).
 - viii. Admixture manufacturer shall have ISO 9001 Quality Certification. To ensure compatibility all admixtures shall be from the same manufacturer.
 - ix. Silica Fume - ASTM C1240
 - x. Type II, cement with a GU designation complying with ASTM C595 shall be used for all concrete. Alternatively, Type VII cement complying with ASTM C150, or performance based hydraulic cement manufactured to meet the requirements of ASTM C1157 can be used with GU designation. Cement source shall remain the same for the entire job.
 - i. The water/cementitious materials ratios shall meet the requirements of Table 19.3.2.1 of ACI 318-19.
 - ii. Cementitious Materials - Limit percentage, by weight, of cementitious materials other than portland cement as follows:
 - Fly Ash - ASTM C618, Class C or F - 35% maximum cementitious content.
 - Slag Cement - ASTM C989, Grade 100 or 120 - 50% maximum cementitious content.
 - k. Provide air entraining as recommended by Table 19.3.3.1 of ACI 318-19. Concrete that extends above grade and is exposed to freezing and thawing while moist shall be air-entrained. Concrete in unconditioned spaces shall be considered site concrete.
 - l. Concrete shall have, at the point of delivery, a slump of 4". Determine the slump by ASTM C143. Slump tolerance shall meet the requirements of ACI 117. When using high-range, water-reducing admixture or plasticizing admixture conforming to ASTM C494, it is permitted to increase the slump of concrete 8" maximum with a verified slump of 2" to 4", before the admixture is added.
 - m. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
- Compressive strengths of concrete at 28 days shall meet the follow performance requirements (see ACI-318-19, Chapter 19):
 - Footings & Interior Foundation Walls:
 - Strength: 3,000 psi
 - Classification: F0, S0, W0, C0
 - Exterior Foundation Walls:
 - Strength: 3,500 psi
 - Classification: F1, S0, W0, C0
 - Interior Slabs on Grade:
 - Strength: 3,000 psi
 - Classification: F0, S0, W0, C0
 - All Site Concrete:
 - Strength: 5,000 psi
 - Classification: F3, S0, W1, C2
- Reinforcement for concrete slabs on grade:
 - 4" thick concrete slab on grade. Reinforce slab with #3 bars at 24" o.c. each way with 1.1/2" max cover below the top surface of the concrete.
 - At contractor's option, macro-synthetic fiber or welded wire fabric may be used in lieu of reinforcing bars with the following requirements:
 - 3 lbs minimum per cubic yard of macro-synthetic fiber reinforcing (ASTM C 1116 Type 3) with the following requirements:
 - Length 1.1/2" - 2"
 - Equivalent diameter of 0.016" to 0.05"
 - Minimum aspect ratio (length to equivalent diameter) of 50 to 90.
 - Provide a fiber dosage to achieve a minimum post-crack residual strength (f_{ar}) of 200 psi when tested according to ASTM C1609.
 - Maximum concrete shrinkage shall be 0.04% when tested according to ASTM C157 or C157 modified.
 - Fiber manufacturer shall provide the following:
 - Fiber dosage
 - Mix design
 - Finishing practices
 - 6" x 6" - W2.5/W2.5 welded wire fabric (ASTM A185 and A497) minimum, unless noted otherwise. Welded Wire Fabric with 1.1/2" of cover below the top surface of the concrete.
- Only one grade or type of concrete shall be poured on the site at any given time.

- The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
- Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected. In no case, however, shall forms and shoring be removed in less than 24 hours after concrete placement.

- Reinforcement shall have the following concrete cover:

a. Cast-in-place Concrete	Clear Cover
i. Cast against and permanently exposed to earth	3"
ii. Formed concrete exposed to earth or weather: #6 thru #18 bars #5 and smaller bars	2"
iii. Concrete not exposed to weather or in contact with ground: Slabs, Walls and their piers, Joists, #11 bars and smaller Beams, Columns, Primary Reinf., Ties, Stirrups, Spirals	1.1/2"

- Detailing:
 - a. Lap splice lengths shall be detailed to comply with the "Concrete Reinforcing Bar Lap Splice Schedule" in drawings. Splices may be made with mechanical splices capable of 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler and shall meet all International Building Code requirements and shall have a current ICC-ES report or IAPMO Certification. Use "Lenton" Standard Couplers (ICC-ER-3967), "Bar-Lock" (ICC-ESR-2495) or equal with internal protector. If mechanical splices are used, splices or couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
 - b. At joints, provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
 - c. At all discontinuous control slab on grade joints, provide 2" x 4" x 48"
 - d. Corner Bars: Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Corner bars shall lap the horizontal reinforcing with the required lap splice length. See "Typical Corner Wall Reinforcing at Concrete Walls" detail in drawings.
 - e. All vertical reinforcing shall be dowelled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above. Dowels extending into footings shall terminate with a 90-degree standard hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#6 bars and smaller) with hooks need not extend more than 20" into footings.
 - f. Horizontal wall reinforcing shall terminate at ends of walls and openings into the far end of the jamb column with a 90-degree standard hook. Horizontal wall reinforcing shall be continuous through construction and control joints.
 - g. See "Typical Reinforcing for Miscellaneous Openings Less than 3'-0" in Concrete Walls" detail in drawings for reinforcing around miscellaneous openings (8" to 36" wide). For openings wider than 36", contact the engineer. All recesses that interrupt reinforcing shall be reinforced the same as an opening.

- Construction Joints, Control (Contraction) Joints:
 - a. Construction joints in all horizontal and vertical construction joints including between top of footing and foundation walls shall be intentionally roughened to a full amplitude of approximately 1/4". The latching on the concrete (thin, flaky layer of hardened, weakened hydrated cement) shall be mechanically removed from the surface after the concrete has achieved final set. Construction joints in slabs on grade shall not exceed a distance of 125'-0" o.c. in any direction.
 - b. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed as soon as final set is achieved and it is okay to operate the cutter on the slab. Final set is typically achieved within the first 4 to 12 hours after the slab has been finished in an area (depending on weather conditions and concrete hydration rate, 4 hours in hot weather to 12 hours in cold weather). For early entry saw cutting, joints should be cut within the first 1 to 4 hours (depending on weather conditions and concrete hydration rate, 1 hour for hot weather and 4 hours for cold weather). Where saw cut joints cannot be cut along the entire projected length of the joint, a 90-degree hand grinder or other tool shall be used to complete the joint. Control joints may be installed by:
 - Saw cut a depth of 1/4 the thickness of the slab (1.1/4" ± for early entry saws) minimum.
 - Tooled joints a depth of 1/4 the thickness of the slab
 - c. For interior concrete slabs-on-grade, install construction or control joints in slabs on grade at a spacing not to exceed 24 times the slab thickness in any direction, unless noted otherwise. For interior concrete slabs-on-grade that are to receive floor coverings that are not sensitive to minor floor movement or surface imperfections (i.e. carpet, hardwood) the contractor has the option to increase the control joint spacing to 36 times the slab thickness in any direction.
 - d. For architectural exposed concrete walls, including retaining walls, provide contraction joints at a uniform spacing of not more than 20 ft oc by placing deep (1.5 times the maximum aggregate size), narrow rustication strips on both wall faces to induce cracking. Place contraction joints at any locations in which the wall changes thickness. At all contraction joints, reduce horizontal reinforcing crossing the joint by 1/2 of the horizontal reinforcement elsewhere in the wall. Coordinate location with the architectural drawings.

- Construction:
 - a. Use chains or other support devices recommended by the CRSI to support and tie reinforcement bars prior to placing concrete. Reinforcing steel for slabs on grade shall be adequately supported. Support reinforcing steel of slabs on grade with precast concrete units. Lifting the reinforcing off the grade during placement of concrete is not permitted.
 - b. Concrete to be mechanically consolidated during placement per ACI standards.
 - c. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
 - d. All embeds, anchors and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
 - e. No pipes, ducts, sleeves, etc shall be placed in structural concrete unless specifically detailed or approved by the structural engineer. Penetrations through walls when approved shall be built into the wall prior to concrete placement. Penetrations will not be allowed in footings or grade beams unless detailed. Piping shall be routed around footings and grade beams and unless detailed. Footings shall be stepped to avoid piping.
 - f. Reinforcing Bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.

POST-INSTALLED ANCHORS

- General Post-Installed Anchor Notes:
 - a. Do not install adhesive anchors in concrete if less than 21 days old; do not install mechanical anchors, screw anchor or powder actuated anchors in concrete less than 7 days old. Contractor must obtain written approval from the engineer to install prior to these time periods. Do not apply full load to anchors until concrete has reached 28-day compression strength.
 - b. Anchors or adhesives specified in details shall be provided; alternative anchors or adhesives may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product. These calculations, along with an ICC-ES ESR or IAPMO-UES ESR approval for use in cracked concrete and compliant with the specified codes herein, must be submitted to the structural engineer prior to use.
 - c. Follow all the manufacturer's recommendations and certification testing reports for anchor installation. See specific anchors below for more information.
 - d. No anchor shall be installed within 1.5 anchor rod diameters of an abandoned hole that has been filled with non-shrink grout; increase distance to 3 anchor rod diameters when the abandoned hole has not been filled.
- Adhesive Anchors:
 - a. For anchors in concrete, the adhesives shall be divided into two groups: Standard Adhesives and High Strength Adhesives. Standard adhesives can be used in general applications when details reference the "Standard Adhesive Embedment Schedule" in drawings. High Strength adhesive groups will be specified for the particular application in the drawings and details. When a High Strength Adhesive is specified, the contractor has the option to use any of the adhesives in the High Strength group. When a Standard Adhesive is specified, the contractor has the option to use any of the adhesives in either group. See below for the acceptable adhesives in each group.
 - Standard Adhesive Group for anchors in concrete includes the following adhesives:
 - SET-XP (ICC-ES ESR-2508) by Simpson Strong-Tie
 - Pure 50+ (ICC-ES ESR-3576) by Dewart
 - AC100+ Gold (ICC-ES ESR-2582) by Dewart
 - HIT-RE 100 (ICC-ES ESR-3829) by Hilti, Inc.
 - High Strength Adhesive Group for anchors in concrete includes the following adhesives:
 - SET-3G (ICC-ES ESR-4057) by Simpson Strong-Tie
 - Pure 110+ (ICC-ES ESR-3298) by Dewart
 - AC200+ (ICC-ES ESR-4027) by Dewart
 - HIT-RE 500-V3 (ICC-ES ESR-3814) by Hilti Inc.
 - HIT-HY 200 (ICC-ES ESR-3187) by Hilti Inc.
 - b. Adhesive shall be within the manufacturer's recommended life time and prior to expiration date. Do not use adhesive that has not been stored per manufacturer's recommendations or may have experienced freeze thaw cycles or extreme heat.
 - c. Do not install adhesive anchor in wet or damp hole unless product is approved for such conditions without strength reduction. Do not install adhesive anchors if concrete temperature is below 50-degree F unless adhesive is approved for lower temperature without strength reduction. Refer to manufacturer's published installation instructions.
 - d. Follow all the manufacturer's recommendations and certification testing reports regarding hole cleaning prior to adhesive installation. All holes shall be drilled with ANSI standard bits designed for concrete. Diamond core drilled holes are not allowed unless indicated in specific details or approved by the structural engineer prior to use.
- Mechanical Anchors:
 - a. For concrete, the mechanical anchor shall be Kwik Bolt T22 (ICC-ES ESR-4266) by Hilti Inc., Strong-Bolt 2 (ICC-ES ESR-3037) by Simpson Strong-Tie Inc. or Power-Stud+ SD2 (ICC-ES ESR-2502) by Dewart.

- Screw Anchors:
 - a. For concrete, the screw anchors shall be Titen HD (ICC-ES ESR-2713 for concrete only) by Simpson Strong-Tie, or Screw-Bolt + (ICC-ER ESR-3889 for concrete only) by DeWalt or Kwik HUS-EZ (ICC-ES ESR-3027 for concrete only) by Hilti Inc.
- Powder Actuated Fasteners:
 - a. For fasteners driven into steel (except at metal decks), concrete, or concrete over metal deck, the fastener shall be X-U PB TH Universal Knurled Shank Fastener (ICC-ES ESR-2269) by Hilti, Inc. PDPA (ICC-ES ESR-2138) by Simpson Strong-Tie Inc. or 8mm Head Spiral CSI Drive Pin (ICC-ES ESR-2024) by Dewart.

MASONRY VENEER

- Masonry veneer shall be attached to wood stud and concrete walls with an approved veneer anchor system spaced at 16" o.c vertically and horizontally. See below for acceptable veneer anchors.
 - Hohmann & Barnard HB-2135 veneer anchoring system
 - Hohmann & Barnard DW10HS veneer anchoring system
 - Hohmann & Barnard X-SEAL veneer anchoring system
 - Wire Bond Sure Tie veneer anchoring system
 - Wire Bond 2407 Adjustable veneer anchoring system
 - Heckmann Original Pos-Tie Brick veneer anchoring system
- Other methods of attachment may be used after written acceptance by the architect and structural engineer.
- Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. See Structural Steel section for requirements.

STRUCTURAL STEEL

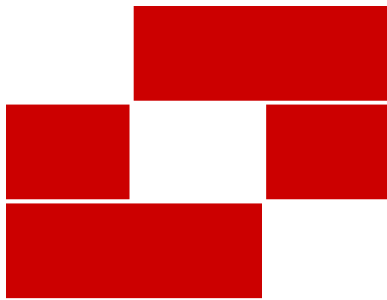
- Material:

a. Wide Flange Sections	ASTM A992 (50 ksi)
b. All Thread Rods, Other Shapes & Plates	ASTM A36 (36 ksi)
c. Square or Rectangular HSS	ASTM A500 (50 ksi) Grade C or ASTM A1085 (50ksi)
d. Deformed Bar Anchors (DBA)	ASTM A1064
e. Headed Stud Anchors (HSA)	ASTM A108
f. Non-Metallic Shrinkage Resistant Grout	ASTM C 1107
g. Anchor Rods	ASTM F1554, Grade 36, with ASTM A563 heavy hex nuts and ASTM F436 hardened washers Grade A
h. Bolted Connections:	ASTM F3125 Grade A325 with ASTM A563 nuts and ASTM F436 hardened washers.
- Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
 - American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary"
 - AISC "Code of Standard Practice" excluding the following: Section 3.2, Section 4.4, Section 4.4.1, c. AISC "Specification for Structural Joints Using High-Strength Bolts"
 - American Welding Society (AWS), Structural Welding Code (specific items do not apply when they conflict with the AISC requirements).
 - AISC "Seismic Provision for Structural Steel Buildings"- ANSI/AISC 341
- Welding:
 - Field weld flags that have been put in these documents are for suggestion only. The contractor has the option to substitute shop welding for field welding or vice versa. The steel fabrication and steel erection drawings must clearly distinguish between shop welds and field welds prior to any work being performed.
 - Steel fabricators shall indicate the shop welds that are excluded from their bids. Steel erectors shall indicate the field welds that are excluded from their bids. It is the responsibility of the contractor to coordinate shop welding and field welding with the appropriate subcontractors.
 - All welding and cutting shall be performed by AWS certified welders.
 - Use E70 XX (58 ksi yield, 70 ksi tensile) unless noted otherwise. E60 XX may be used for welding steel decks.
 - All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown they shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected part.
 - Reinforcing Bars: Do not weld rebar. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
 - Do not weld anchor bolts, including "tack" welds.
- Bolted Connections:
 - Use bolts for steel to steel connections, as noted herein or as noted on the drawings. Bolts shall be used in connections for simple span framing and bases (or girders) to bearing plate connections. Tighten bolts to a snug tight condition. See bolted connections schedule. See scheduled drawings for details.
 - Use hardened washers beneath the turned element of all bolts or nuts. Use hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. At oversized holes hardened washers or plates shall conform with ASTM F-436 and shall completely cover the slot after installation.
 - Where a steel to steel beam connection is not shown, provide a standard AISC framed connection for one half the total uniform load capacity of the beam for the span and steel specified.
 - Bolts, nuts and washers shall not be reused.
- Steel Lintels: Provide steel angle lintels at all openings through masonry veneer. Provide 1" of bearing for each foot of width of opening with a minimum bearing of 6". See the "Veneer Lintel Schedule" in drawings for size. Steel lintel angles shall be galvanized at all exterior conditions where exposed to weather.
- Provide baseplate anchor rod connections to concrete elements that correlate with ACI 117. Circular or square washers are acceptable:

ANCHOR ROD DIAMETER	HOLE DIAMETER	WASHER SIZE	WASHER THICKNESS (MIN)
3/4"	1.5/16"	2"	1/16"
7/8"	1.9/16"	2.1/2"	5/16"
1"	1.7/8"	3"	3/8"
1.1/4"	2.1/8"	3.1/2"	1/2"
1.1/2"	2.3/8"	4"	1/2"
1.3/4"	2.7/8"	4.1/2"	5/8"
2"	3.1/4"	5"	3/4"
2.1/2"	3.3/4"	5.1/2"	7/8"
- Provide full-depth web-stiffener plates where indicated in the details including at each side of all beams at all bearing points. Stiffener plate thickness shall be the greater of the following:
 - 1/4"
 - 1/2 the thickness of the beam flange
 - 1/16 the width of the stiffener (half the beam flange width).
 - 1/32 the depth of the beamStiffener plates shall be welded on one side with fillet welds all around. The size of the fillet weld shall be 1/2 the stiffener plate thickness or 3/16" min.
- All steel columns adjacent to or embedded in wood walls shall connect to the wood framing with 5/8" diameter x 2.5" long threaded studs that are shop welded to the column at a maximum spacing of 24" o.c.

WOOD

- Materials:
 - Dimensional Lumber
 - i. All dimensional lumber shall be #2 Douglas Fir-Larch or better unless noted otherwise.
 - Engineered Lumber
 - i. Engineered lumber shall be provided by manufacturer of the products specified on these structural drawings. If an alternative manufacturer is proposed, the contractor shall submit a revised engineered lumber list, prior to construction, that includes the following information:
 - Specified lumber product as indicated on these structural drawings
 - Proposed substitution lumber product
 - Documentation that includes a comparison of the section properties and material strengths of the proposed substitution lumber product compared to that of the specified lumber product.
 - Wood J-Joists shall be TJI as manufactured by Trus-Joist Corporation, BCI as manufactured by Boise Cascade Corporation, Red-I as manufactured by RedBuilt, SolidStart LVL Joists by LP Corporation, RFPI by Roseburg or an approved equal.
 - Laminated Veneer Lumber (LVL) shall be Micro-Lam 1.9E by Trus-Joist Corporation, Versa-Lam 2.0E Boise Cascade Corporation, RedLam 2.0E by RedBuilt, SolidStart LVL 2.0E by LP Corporation or RigidLam 2.0E by Roseburg or an approved equal.
 - Rimboard shall be TimberStrand LSL Rim Board by Trus-Joist Corporation, Versa-Rim by Boise Cascade Corporation, SolidStart LSL by LP Corporation, LSL or LVL Rim Board by RedBuilt or OSB RigidRim RimBoard by Roseburg (Rimboard shall be 1.1/8" thick, minimum), Rimboard LSL by RedBuilt or an approved equal.
 - Open Web Wood Trusses shall be as manufactured by RedBuilt.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

MAPLETON, UT

Revisions

Num.	Description	Date
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Project Number	220430
Original Issue	09.04.2026
Project Status	Permit & Bid Set

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Sheet Title

**GENERAL
STRUCTURAL NOTES**

Sheet Number

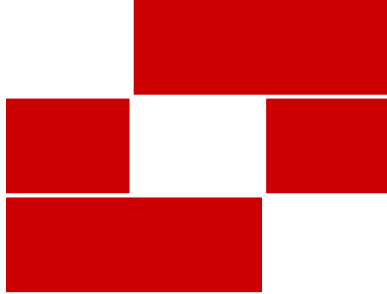
S001

GENERAL STRUCTURAL NOTES

- vi. All required blocking, bridging, and bracing shall be provided by joist manufacturer and installed by contractor. All penetrations through the joists shall be done per manufacturers' recommendations and requirements.
- c. Glu-lam Lumber
 - i. Glu-lam beams shall be Douglas-fir combination number 24F-V4 except cantilevered and continuous beams shall be combination number 24F-V6.
 - ii. Glu-lam columns shall be DF L2D (combination symbol #3) for columns.
 - iii. The contractor shall not cut, drill, core, or notch glu-lam beams in the field without prior review by the architect/engineer.
- d. Sheathing
 - i. Wood sheathing shall meet the minimum performance criteria given in APA PRP-108, Performance Standards and Policies for Structural-Use Panels, Form E445, Voluntary Product Standard PS 1 & PS 2 and Performance Standard for Wood-Based Structural-Use Panels, Form S350, and Structural Plywood, Form H860. Panels shall be unsanded plywood or oriented strand board (OSB) and shall be interior grade with exterior glue and have the minimum following thickness and span rating indicated in the "Sheathing Schedule at Roof and Floor" in drawings.
 - ii. Do not overdrive fasteners into wood sheathing.
 - 1. A fastener shall be deemed overdriven where the flat outer surface of the head is driven below the surface of the panel beyond 1/16in.
 - iii. Overdriven fasteners are permitted to be remediated by installing a correctly driven fastener next to the one overdriven.
- e. Fasteners
 - i. General framing and carpentry shall be connected as per "Minimum Nailing Schedule" in drawings unless noted otherwise.
 - ii. All fasteners, including nails, for preservative-treated and fire retardant-treated wood shall be hot-dipped zinc-coated galvanized steel or stainless steel.
 - iii. Bolts for general wood to wood connections shall be ASTM A307A or A36 with ASTM A563A hex nuts and ATSM F844 washers, Grade A, unless noted otherwise.
- f. Framing connectors:
 - i. All framing anchors, connectors, post caps, hold downs, column bases, joist hangers, etc. shall be provided by Simpson Strong-Tie as indicated on these plans. If the contractor elects to substitute for another manufacturer, the contractor shall submit a revised connector list, prior to construction, that includes the following information:
 - 1. Specified connector indicated on these plans
 - 2. Requested substitution connector
 - 3. Allowable capacity of the requested substitution connector
- 2. All wood (with the exception of engineered lumber) in contact with concrete, masonry or soil shall be pressure treated.
- 3. At floor framing, provide approved bridging at 8'-0" o.c. maximum between joist end supports for dimensional lumber members with a nominal depth-to-thickness ratio exceeding 6 to 1. Bridging shall consist of not less than full-depth solid blocking, 1" x 3" diagonal lumber with double nailing at each end, equivalent metal bracing or equal rigidity, or other approved bridging.
- 4. Built-up beams and columns shall be constructed as per "Typical Built-up Wood Member Detail" in drawings unless noted otherwise.
- 5. All walls shall have a minimum of two top plates. Splices in top plates shall be staggered a minimum of 4 ft from the nearest splice in adjoining top plate.

PREFABRICATED METAL PLATE WOOD TRUSSES

- 1. The Prefabricated metal plate wood trusses shall be designed, signed, and sealed by a Professional Engineer registered in the same state as the project location. They shall be designed to support the concentrated and other distributed loads as shown on the framing plans in addition to the following uniform loads:
 - a. Dead Load (Top Chord) = 10 psf
 - b. Dead Load (Bottom Chord) = 10 psf
 - c. Snow Load (Top Chord) = See Basis of Design SectionThe wood truss designer shall consider unbalanced snow loading for all sloped roofs exceeding 2.38 degrees (1/2 on 12) or less than 30.2 degrees. Coordinate the design with all mechanical equipment, fire sprinkling systems and hanging walls supported by the trusses. Provide extra trusses where required.
- 2. Design all wood trusses and bearing attachments for wind uplift. Assume a dead load of 8 psf to resist uplift.
- 3. Where the parapet is required to be built into the truss profile, design the parapet for an ultimate wind load of 64 psf in either direction.
- 4. Refer to architectural drawings for truss profile. Detailing and shop drawing production for prefab metal plate wood trusses will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Some dimensions and elements such as elevation and slopes are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural drawings. Coordinate roof slope with architectural roof plan, sections, and elevations.
- 5. Wood trusses occurring at roof shall be limited to L/180 for ASD total loads and L/240 for roof live loads (or ASD snow loads), unless noted otherwise on plans. Wood trusses occurring at floor shall be limited to L/360 for total loads and L/480 for live loads, unless noted otherwise on plans.
- 6. All truss-to-truss connections shall be designed and provided by the truss manufacturer.
- 7. Design, handling, erection, and permanent bracing of metal plate connected wood trusses shall be in accordance with ANSI/TPI-1, National Design Standard for Metal Plated Connected Wood Truss Construction.
- 8. Steel Connector Plates: All steel gusset plates shall be galvanized and shall be approved by the "Research Committee for the International Code Council". Submit a copy of the ICC Report for the connector plate used. Values established by this committee must be indicated on the shop drawings.
 - a. Stress increases for steel connector plate values for duration of load are not allowed.
 - b. The minimum size for any connector shall be 8 square inches (not required at truss blocking).
 - c. All steel gusset plates shall be located on the joint as the stresses require and shall provide a minimum bite of 2 1/2" length on all tension members (not required at truss blocking).
 - d. All steel plate dimensions shall be increased by 10% above that required by analysis.
 - e. Plates shall be pressed or rolled into member to obtain full penetration without crushing the outer surfaces of wood.
- 9. No wane, knots, skips, or other defects shall occur in the plated contact area or scarfed area of web members. Plates shall be centered with one required each side of wood truss
- 10. The trusses shall be handled and stored in a manner to prevent moisture from being absorbed by the wood.
- 11. Requirements for truss stability and erection shall comply with the Truss Plate Institute publications entitled "Commentary and Recommendations for Bracing Wood Trusses" and "Commentary and Recommendations for Handling and Erecting Wood Trusses." The contractor shall have copies of these publications on site and shall be familiar with their contents.
- 12. Shop Drawings: Complete calculations and shop drawings indicating all member forces, stresses, duration factors, lumber grades, dimensions, truss to truss connections, steel truss plate sizes and locations shall be submitted and reviewed by the engineer before fabrication. Each connector shall be dimensioned on the shop drawings as to its exact location at the joint.



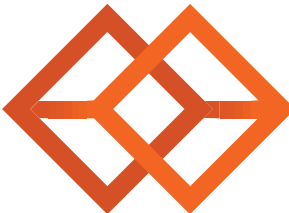
BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbenigneers.com

LOUISA MAY ALCOTT
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Revisions

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Sheet Title

GENERAL
STRUCTURAL NOTES

Sheet Number

S002

STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE

Special inspection and quality assurance (including structural testing), as required by section 1704 and 1705 of the 2024 IBC, shall be provided by an independent agency employed by the owner for the items in this section and other areas of the approved construction documents, unless waived by the building official.

The names and credentials of the Special Inspectors to be used shall be submitted to the Building Official for approval.

Responsibilities of the Special Inspector

	Special Inspector shall review all work listed in the special inspection schedules herein for conformance with the approved construction plans, specifications and 2024 IBC. Testing and inspection reports shall be sent on a weekly basis to the architect, engineer, building official and contractor for review. All items not in compliance shall be brought to the immediate attention of the contractor for correction, and if uncorrected, to the architect, engineer and building official. Once corrections have been made by the contractor, the special inspector shall submit a final signed report to the building official stating that the work requiring special inspection was, to the best of the special inspector's knowledge, in conformance with the approved construction plans, specifications and 2024 IBC.
--	---

Responsibilities of the Contractor

	The contractor shall submit a written statement of responsibility to the owner and the building official prior to the commencement of work in accordance with 2024 IBC section 1704.4. This statement shall indicate that the contractor will coordinate and cooperate with the required inspections contained herein. The contractor shall notify the designated special inspector that work is ready for inspection at least 24 hours before said inspection is required. All work requiring special inspection shall remain open and accessible until it has been observed by the special inspector and deemed acceptable through inspection report. Special inspection during fabrication is not required if the fabricator is registered and approved by the authority having jurisdiction to perform such work without special inspection. Upon completion of fabrication, the approved fabricator shall submit a certificate of compliance for submittal to the building official. The contractor shall be responsible for their own quality control including materials, fabrication, erection, etc.
--	--

SOILS CONSTRUCTION INSPECTIONS

Soils (2024 IBC Section 1705.6, and Table 1705.6)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Site Preparation	-	X	Verify excavations are extended to proper depth and have reached proper materials. Verify that the site has been prepared in accordance with the soils report prior to placement of prepared fill.
Fill Material	X	-	Verify, during fill placement, that the material being used and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of the fill.
Continuous Footing Backfill: at least one test for each 40 linear feet or less of wall length, but no fewer than 2 tests.	-	X	At each compacted backfill layer.
Spot Footing Backfill: Minimum of one compaction test for each lift for each spot footing.	-	X	At each compacted backfill layer.
See specifications for further requirements.	-	-	

CONCRETE CONSTRUCTION INSPECTIONS

Concrete (2024 IBC Section 1705.3, Table 1705.3, and Section 1904) The following concrete elements require special inspection:

All concrete footings, All concrete walls, including foundation walls, Interior concrete slab-on-grade, Concrete columns/piers, ICF Walls.

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Protection of concrete during cold and hot weather	-	X	Verify maintenance of specified curing temperature and techniques
Verify materials used including use of the required mix design	-	X	Verify Use of required design mix. Verify mix design meets strength and exposure requirements listed on General Structural Notes
Formwork	-	X	Verify shape, location and member dimensions
Testing of concrete prior to concrete placement	-	X	Fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.
Bolts installed in concrete	X	-	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used. Prior to and during concrete placement.
Embeds and Inserts installed in concrete	X	-	Prior to and during concrete placement.
Concrete reinforcing steel placement	-	X	Verify that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report. Certified mill test reports shall be provided for each shipment of ASTM A 615 prior to concrete placement.
Concrete placement and samples	X	-	Cylinders, slump, temperature and air-entrainment shall be done for every 150 cubic yards or each day's production if the day's production is less than 150 cubic yards nor less than once for each 5000 sq. ft of surface area for slabs and walls.
Concrete reinforcing steel mechanical splice couplers	-	X	Verify that the splice couplers have been installed in accordance with manufacturer's instructions.
Welding of reinforcing steel	-	X	Visually inspect all welds and verify weldability of reinforcing steel based upon carbon equivalent and in accordance with AWS D1.4.
See specifications for further concrete testing requirements.	-	-	

STEEL BOLTED CONSTRUCTION INSPECTIONS

Where special inspections are listed under "Random Basis", special inspection of elements and items shall be performed on a random basis. Operations need not be delayed pending these inspections. Where special inspection items are listed under "Every Element", special inspection shall be performed for each element, joint, or member, as applicable based on the task listed below.

High Strength bolted connections (2024 IBC section 1705.2.1, section 1705.13.1 and section 1705.14.1 and AISC 360-22 Chapter N and AISC 341-22 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION PLAN		COMMENTS
	Every Element	Random Basis	
Inspection Tasks Prior to Bolting			
Manufacturer's certifications available for fastener materials	X	-	
Fasteners	-	X	Marked in accordance with ASTM requirements
Proper fasteners selected for the joint detail	-	X	Including grade, type, bolt length if threads are to be excluded from shear plane.
Proper bolting procedure selected for joint detail	-	X	
Connecting elements	-	X	Including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	-	X	Not required if only snug-tight joints are specified per [Section N5.6(1) of AISC 360-22]
Proper storage	-	X	Storage provided for bolts, nuts, washers and other fastener components
Inspection Tasks During Bolting			
Fastener assemblies, of suitable condition	-	X	Verify that fasteners placed in all holes and washers (if required) are positioned as required.
Joint	-	X	Verify that joint brought to the snug-tight condition (min) unless noted otherwise.
Fastener component	-	X	Verify that fastener component not turned by the wrench prevented from rotating
Pretensioned Fasteners	-	X	Verify that pretensioned fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges (Not required if only snug-tight joints are specified per [Section N5.6(1) of AISC 360-22]; Not required for pretensioned joints using turn-of-the-nut method with match-marking, direct-tension-indicators or twist-off type tension control bolt methods)
Inspection Tasks After Bolting			
Document acceptance or rejection of each bolted connection	X	-	

STEEL WELDED CONSTRUCTION INSPECTIONS

Definition of Terms

Where special inspections are listed under "Random Basis", special inspection of elements and items shall be performed on a random basis. Operations need not be delayed pending these inspections. Where special inspection items are listed under "Every Element", special inspection shall be performed for each element, joint, or member, as applicable based on the task listed below.

Structural Welding (2024 IBC section 1705.2.1 and section 1705.13.1 and section 1705.14.1 and AISC 360-22 Chapter N and AISC 341-22 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION PLAN		COMMENTS
	Every Element	Random Basis	
Inspection Tasks Prior to Welding			
Welding procedures specifications and manufacturer certifications for welding consumables shall be available	X	-	Welding procedures shall be submitted to the Engineer of Record for review.
Material identification (type/grade)	-	X	
Welder identification system	-	X	Verify there is a system in place to identify the welder who has welded a joint or member.
Fit-up of groove welds	-	X	Including joint geometry, joint preparation, dimensions, cleanliness, tacking and backing type and fit.
Configuration and finish of access holes	-	X	
Fit-up of fillet welds	-	X	Including alignment, gaps at root, dimensions, cleanliness and tacking.
Check welding equipment	-	X	
Inspection Tasks During Welding			
Use of qualified welders	-	X	
Control and handling of welding consumables	-	X	Including packaging and exposure control
Cracked tack welds	-	X	Verify no welding over cracked tack welds.
Environmental conditions	-	X	Including wind speed within limits and precipitation and temperature
WPS followed	-	X	Including settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature (min./max.) maintained, proper position (F, V, H, OH)
Welding techniques	-	X	Including interpass and final cleaning, each pass within profile limitations, each pass meets quality requirements
Inspection Tasks After Welding			
Welds cleaned	-	X	
Size, length and location of welds	X	-	
Welds meet visual acceptance criteria	X	-	Including crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut and porosity.
Arc strikes, k-area, weld access holes for flanges greater than 2", backing removed and weld tabs removed (if required), repair activities	X	-	When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3" of the weld.
Ultrasonic testing (UT) for complete-joint-penetration (CJP) groove welds, partial penetration groove welds when used in column splices, and welds subject to fatigue	-	X	Perform UT on 10% of welds subject to transversely applied tension loading in butt, T- and corner joints, in material 5/16" thick or greater. For materials less than 5/16" thick, ultrasonic testing is not required. The UT rate must be increased to 100% if the rejection rate exceeds 5% of the welds tested. See Sections N5.5d and N5.5f for more information.
Document acceptance or rejection of each welded joint or member	X	-	

WOOD CONSTRUCTION INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Prefabricated metal plate wood trusses (2024 IBC Sections 1704.2.5, 1705.5.2, 1705.12.1, and 1705.13.2)			
Shop fabrication of trusses	-	X	Verify that detailed fabrication and quality control procedures exist that provide a basis of inspection control of the workmanship and the fabricator's ability to conform to approved construction documents and referenced standards.
Wood trusses with overall heights or 60 inches or greater and/or wood trusses clear spanning 60 feet or greater	-	X	Verify temporary (during construction) and permanent restraint/bracing of truss members is in accordance with the approved truss submittal package.
Wood diaphragms and shear walls (2024 IBC Sections 1705.5, 1705.12.1 and 1705.13.2)			
All wood diaphragms and shear walls with sheathing fastener spacing at panel edges is equal to or less than 4" o.c.	-	X	Verify wood panel sheathing, grade, thickness and nominal size of framing members, adjoining panel edges, nailing, bolting, anchoring (including hold downs) and other fastening of components within the lateral force resisting system.

POST-INSTALLED ANCHOR INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Post-Installed Anchors and Reinforcing Bars (2024 IBC Section 1705.1.1)			
Adhesive Anchors and Reinforcing Bars	X	-	Special inspection shall be performed per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of adhesive and anchor rod. If the anchor is not installed in a horizontal, upwardly inclined or overhead orientation meant to resist sustained tension loads, special inspection may be reduced to a periodic frequency.
Mechanical Anchors and Screw Anchors	-	X	Special inspection shall be provided per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of mechanical or screw anchor.

NON-STRUCTURAL COMPONENT CONSTRUCTION INSPECTIONS

Architectural Components located in Seismic Design Categories C, D, E and F (2024 IBC Sections 1705.13.5 and 1705.13.7)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Exterior cladding, and exterior veneer	-	X	Verify attachments of exterior metal clad fastening systems, drift clips, veneer support angles and attachments, and all masonry, stone or rain screen seismic attachments.
Erection and fastening of interior and exterior nonbearing walls	-	X	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. (Not required if <30 feet or for interior walls < 15 psf.)

STRUCTURAL OBSERVATION PROGRAM

If structural observations are required, they shall be done by the Engineer of Record or an approved subordinate at the stages of construction listed in the Construction Notification Phases section of these notes. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance with the approved construction documents. Structural observation does not include or waive the responsibility for the special inspections indicated in these structural drawings. At the conclusion of the project, the designated structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that to the best of the structural observer's knowledge have not been resolved (See IBC 2024 1704.6).

STRUCTURAL OBSERVATION PROGRAM REQUIRED BY CODE:	YES	NO
	X	

CONSTRUCTION MILESTONE SCHEDULE

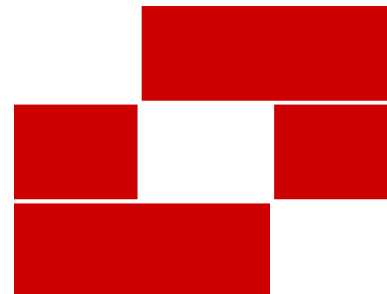
CONTRACTOR TO NOTIFY ENGINEER AT THE FOLLOWING CONSTRUCTION PHASES:	
CONCRETE	
Footings, stem walls and piers	Prior to pouring concrete
WOOD	
Wall framing	After substantial portion of framing is completed
Floor framing	After substantial portion of framing is completed
Roof framing	After substantial portion of framing is completed
Wood shear walls	After substantial portion of framing is completed and prior to covering either side of shear walls
Wood roof sheathing	After substantial portion of framing is completed and prior to roofing

DEFERRED SUBMITTALS

For the purposes of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC 2024. Submittal documents for deferred submittal items shall be submitted to the engineer, architect and building official for their review for general conformance with the design of the building.

DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE

Prefabricated metal plate wood trusses
None



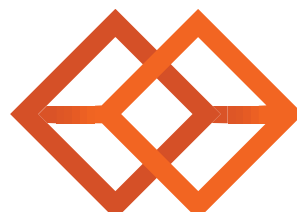
BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2760 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

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Project Number 280430
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9/04/2026

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SPECIAL INSPECTION
NOTES

Sheet Number

S003

SEE S010 FOR LEGENDS AND SYMBOLS

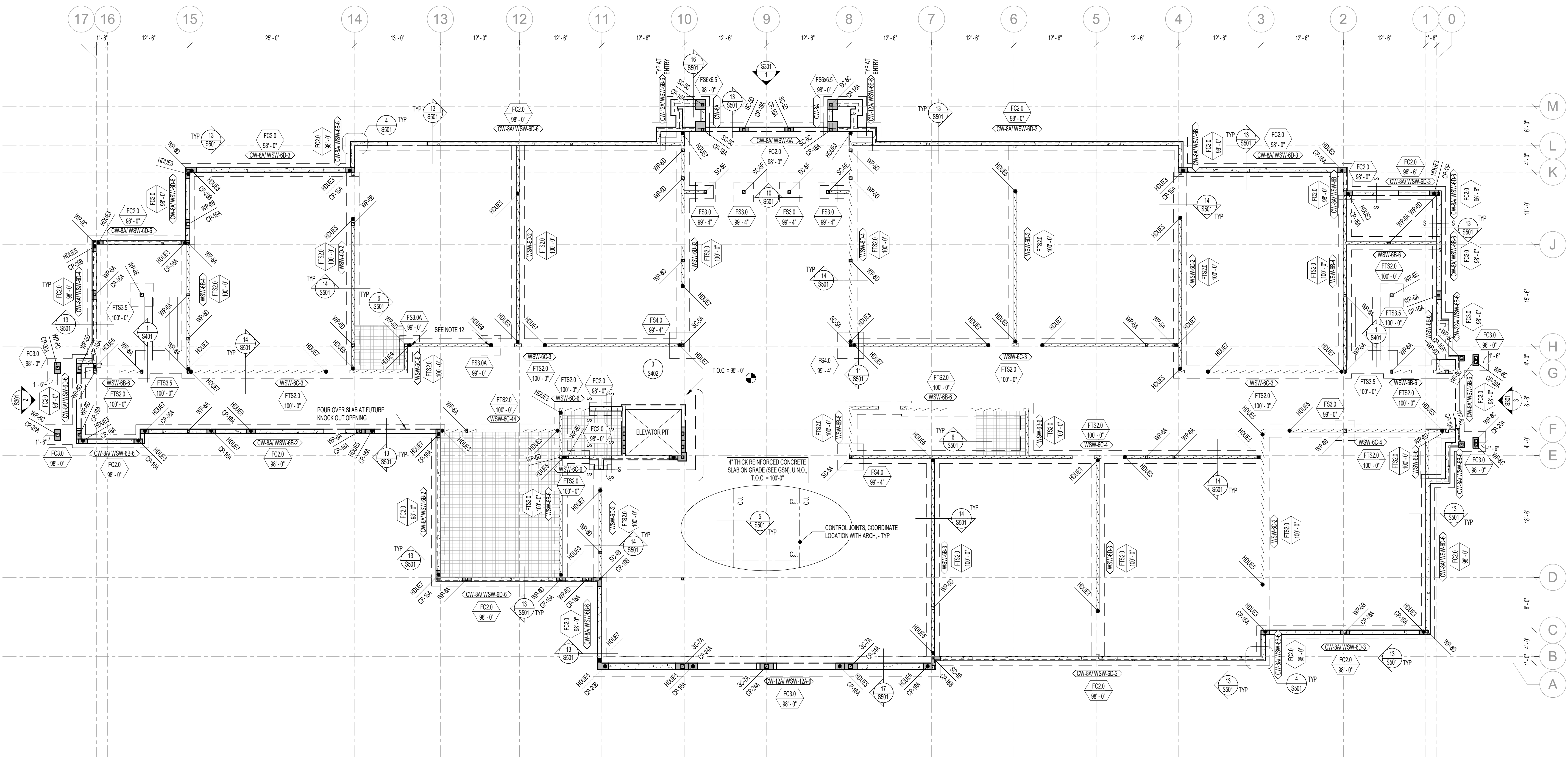
FOOTING AND FOUNDATION PLAN NOTES

- COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
- SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
- SEE "EARTHWORK" NOTES ON SHEET S001 AND DETAIL 15S01 FOR MINIMUM FILL REQUIRED BENEATH FOOTINGS.
- ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
- SEE DETAILS 15S01 AND 21S01 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
- SEE DETAIL 15S01 FOR TYPICAL CONTROL/CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
- SEE DETAIL 15S01 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
- SEE DETAIL 15S01 FOR TYPICAL SILL PLATE ISOLATING DETAIL.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
- WHERE NOTED HOLD DOWNS ARE TO EXTEND INTO FOOTING BELOW.
- SEE DETAIL 15S01 FOR JOINT DETAILS AT SLAB DEPRESSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
- WHERE NOTED HOLD DOWNS ARE TO EXTEND INTO FOOTING BELOW.
- SEE DETAIL 15S01 FOR JOINT DETAILS AT SLAB DEPRESSIONS.
- SEE 15S03 FOR CANTILEVERED MASONRY WALL AND FOOTING DESIGNS AT SITE ENCLOSURES. PROVIDE LAYOUTS AND WALL HEIGHTS PER ARCHITECTURAL DRAWINGS.

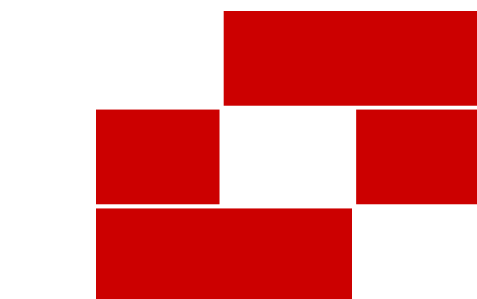
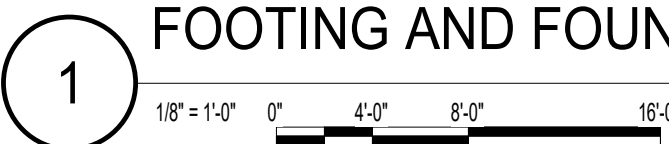
WOOD POST SCHEDULE (WP-X)

H	DESIGNATION	CONNECTION
WP-6A	(2) 2x6 DFL No. 2	
WP-6B	(4) 2x6 DFL No. 2	
WP-6C	6x6 DFL No. 2	DETAILS 14/S301 AND 15/S301
WP-6D	(3) 2x6 DFL No. 2	
WP-6E	6x6 DFL No. 2	SIMPSON BCF

NOTES:
1. WOOD BEAMS SHALL BEAR ON ALL MEMBERS OF A BUILT-UP POST.



FOOTING AND FOUNDATION PLAN



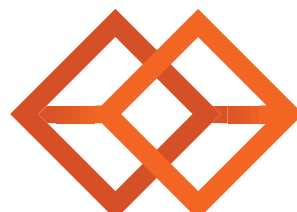
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801.531.1144

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Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

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COMMUNITY SCHOOL

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Revisions

Num.	Description	Date
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Project Number 220430
Original Issue 09.04.2026
Project Status Permit & Bid Set

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Sheet Title

FOOTING AND
FOUNDATION PLAN

Sheet Number

S101

SEE S010 FOR LEGENDS AND SYMBOLS

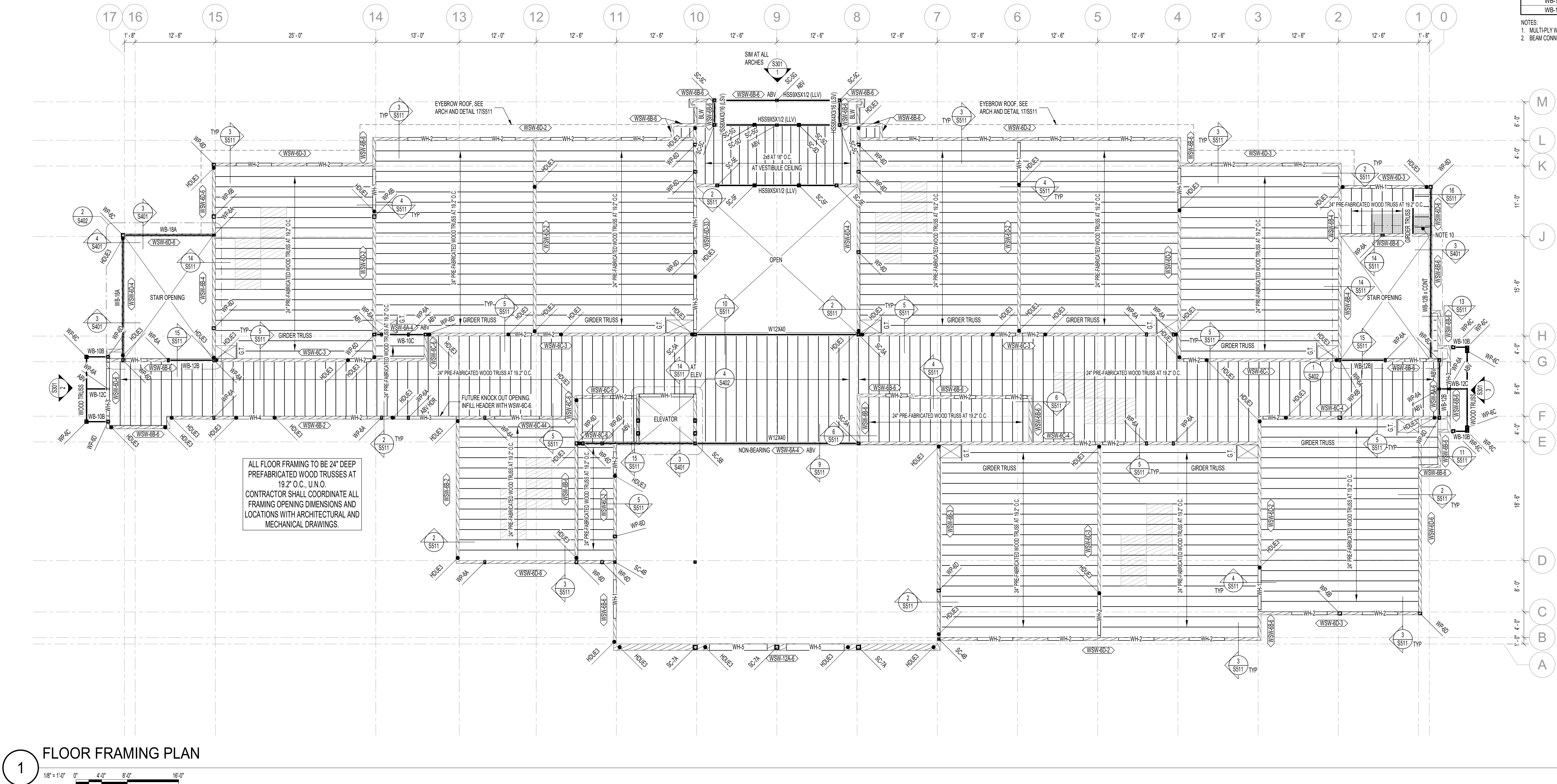
- FLOOR FRAMING PLAN NOTES
1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 2. SEE DETAIL 1/SS21 FOR FRAMING AROUND ALL OPENINGS.
 3. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
 4. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 5. SEE DETAIL 4/SS21 FOR TYPICAL BUILT-UP MEMBER DETAIL.
 6. SEE DETAIL 2/SS21 FOR TYPICAL TOP PLATE SPLICE DETAIL.
 7. SEE DETAIL 3/SS21 FOR TYPICAL TOP PLATE SPLICE SCHEDULE AT PIPE.
 8. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE POINT, LINE, MECHANICAL, AND LATERAL LOADS SHOWN ON THE FLOOR FRAMING PLANS IN ADDITION TO THE UNIFORM LOADS SHOWN IN THE GSI.
 9. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.
 10. HATCHED AREA INDICATES HOUSEKEEPING PAD OF 2" ADDITIONAL CONCRETE THICKNESS. SEE ARCHITECTURAL DRAWINGS. TRUSS DESIGNER SHALL DESIGN TRUSSES FOR AN ADDITIONAL EQUIPMENT DEAD LOAD OF 275 PSF IN THIS AREA. PROVIDE FULL HEIGHT TRUSS BLOCKING AT PAD EDGES.

WOOD POST SCHEDULE (WP-X)		
H	DESIGNATION	CONNECTION
WP-6A	(2) 2x6 DFL No. 2	
WP-6B	(4) 2x6 DFL No. 2	
WP-6C	6x6 DFL No. 2	DETAILS 14/S301 AND 15/S301
WP-6D	(3) 2x6 DFL No. 2	
WP-6E	6x6 DFL No. 2	SIMPSON BCF

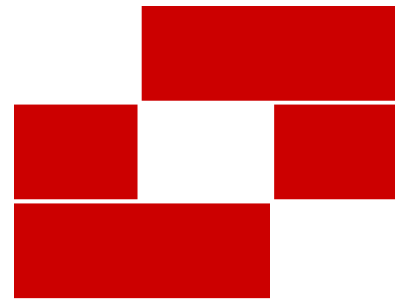
NOTES:
1. MULTIPLY WOOD BEAMS SHALL BEAR ON ALL MEMBERS OF A BUILT-UP POST.

WOOD BEAM SCHEDULE (WB-X)		
MARK	DESIGNATION	CONNECTION
WB-10B	8x10 DFL No. 2	SIMPSON XCHZ U.N.O.
WB-10C	(3) 1.34"x8 1/4" LVL (Fb = 2600psi MIN)	SIMPSON XCHZ U.N.O.
WB-12B	(3) 1.34"x11 1/8" LVL (Fb = 2600psi MIN)	SIMPSON XCHZ U.N.O.
WB-12C	4x12 DFL No. 2	DETAILS 12/S301 AND 13/S301
WB-18A	(3) 1.34"x18" LVL (Fb = 2600psi MIN)	SIMPSON XCHZ U.N.O.

NOTES:
1. MULTIPLY WOOD BEAMS SHALL BE NAILED OR BOLTED TOGETHER PER DETAIL 4/SS21.
2. BEAM CONNECTIONS NOTED IN TABLE ARE FOR WOOD TO WOOD CONNECTIONS ONLY.



1 FLOOR FRAMING PLAN



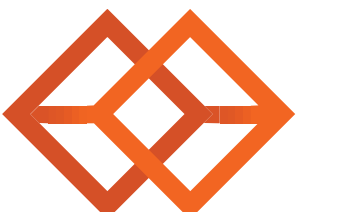
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
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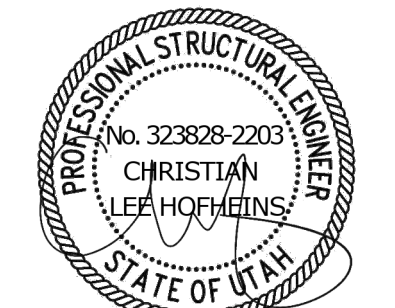
Revisions

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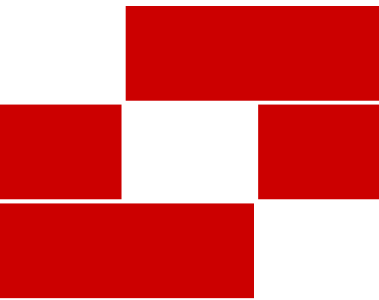


Sheet Title

FLOOR FRAMING PLAN

Sheet Number

S111



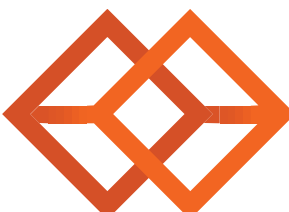
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52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

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Boise, ID 83702
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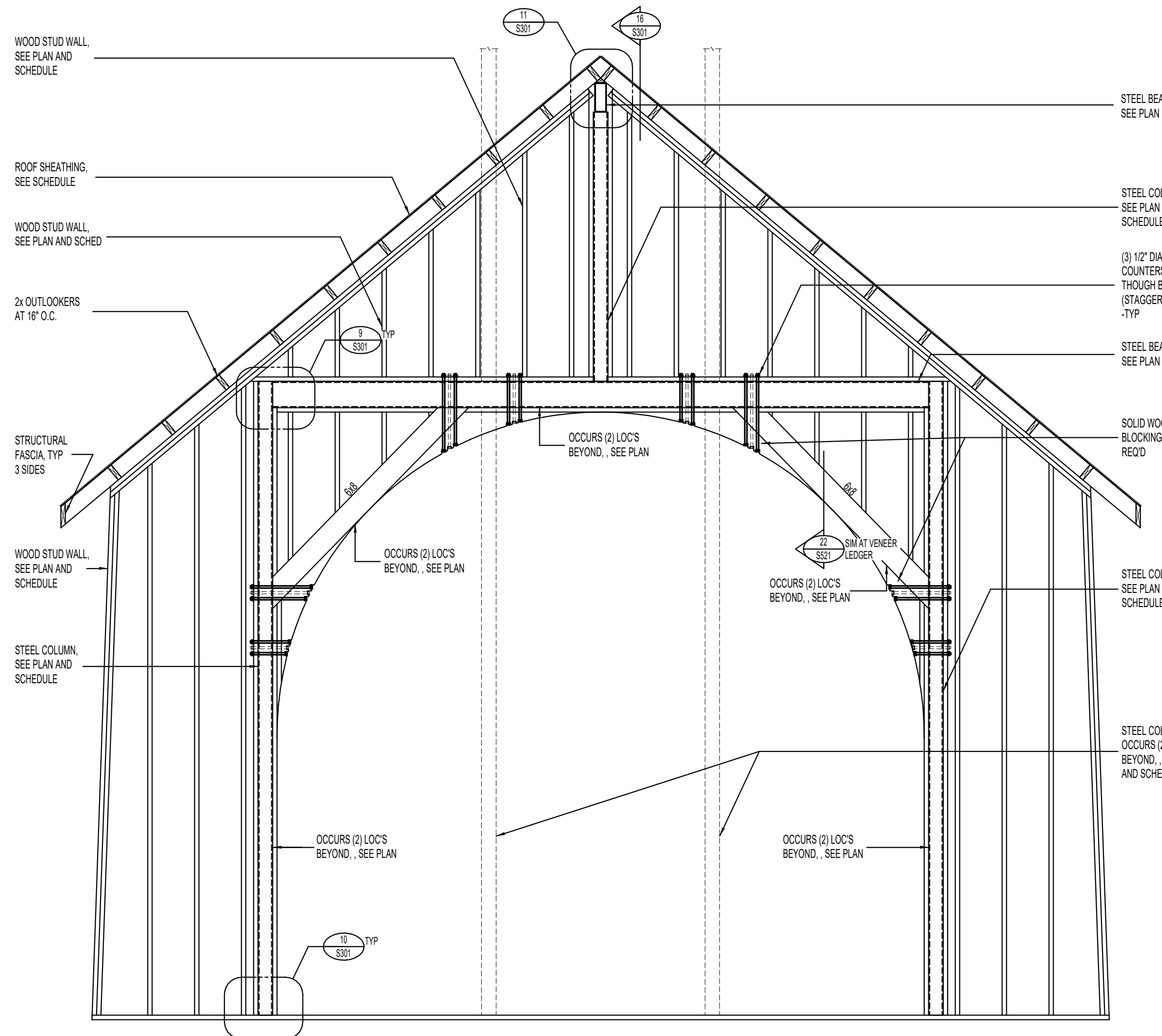


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Salt Lake City, Utah 84115
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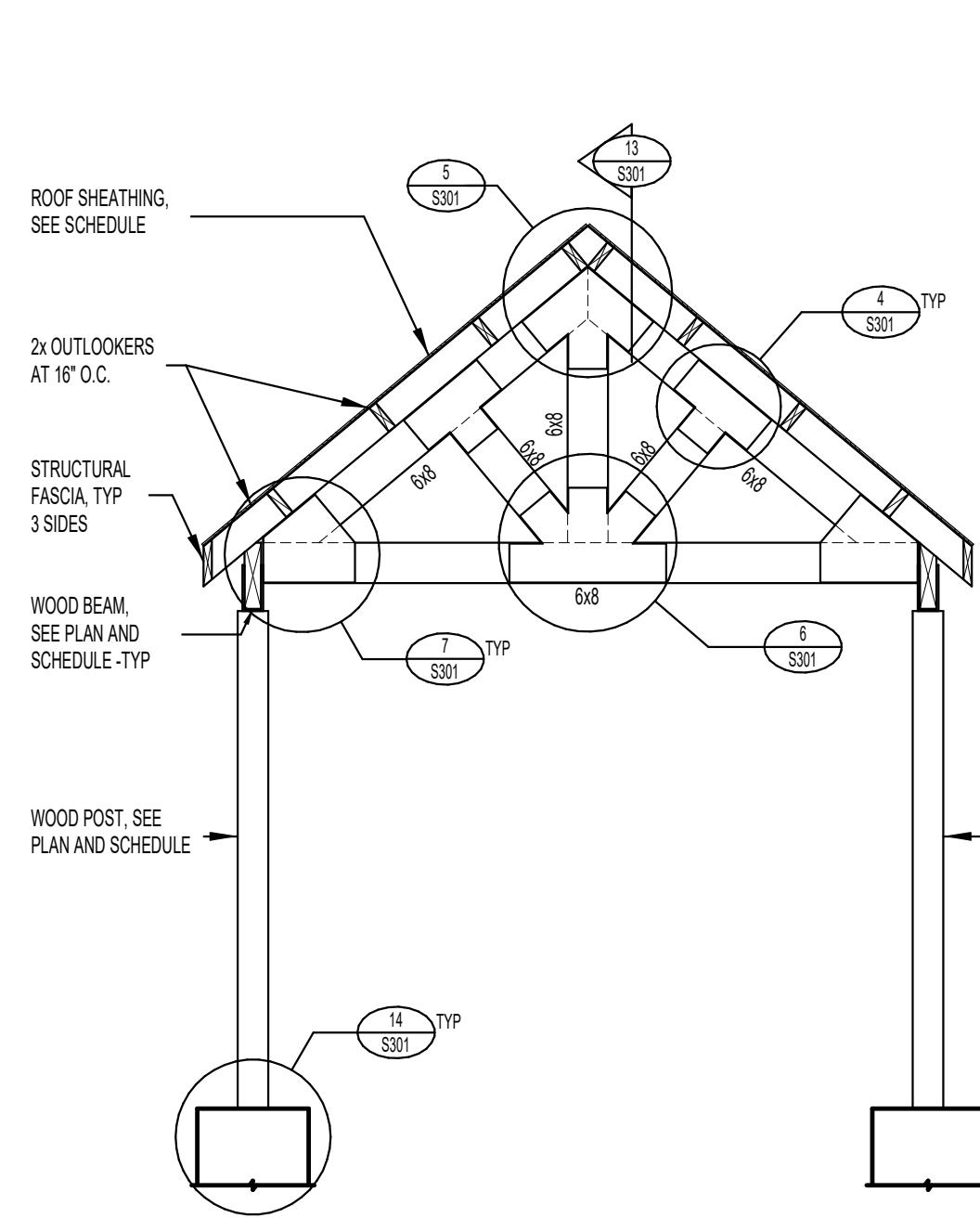
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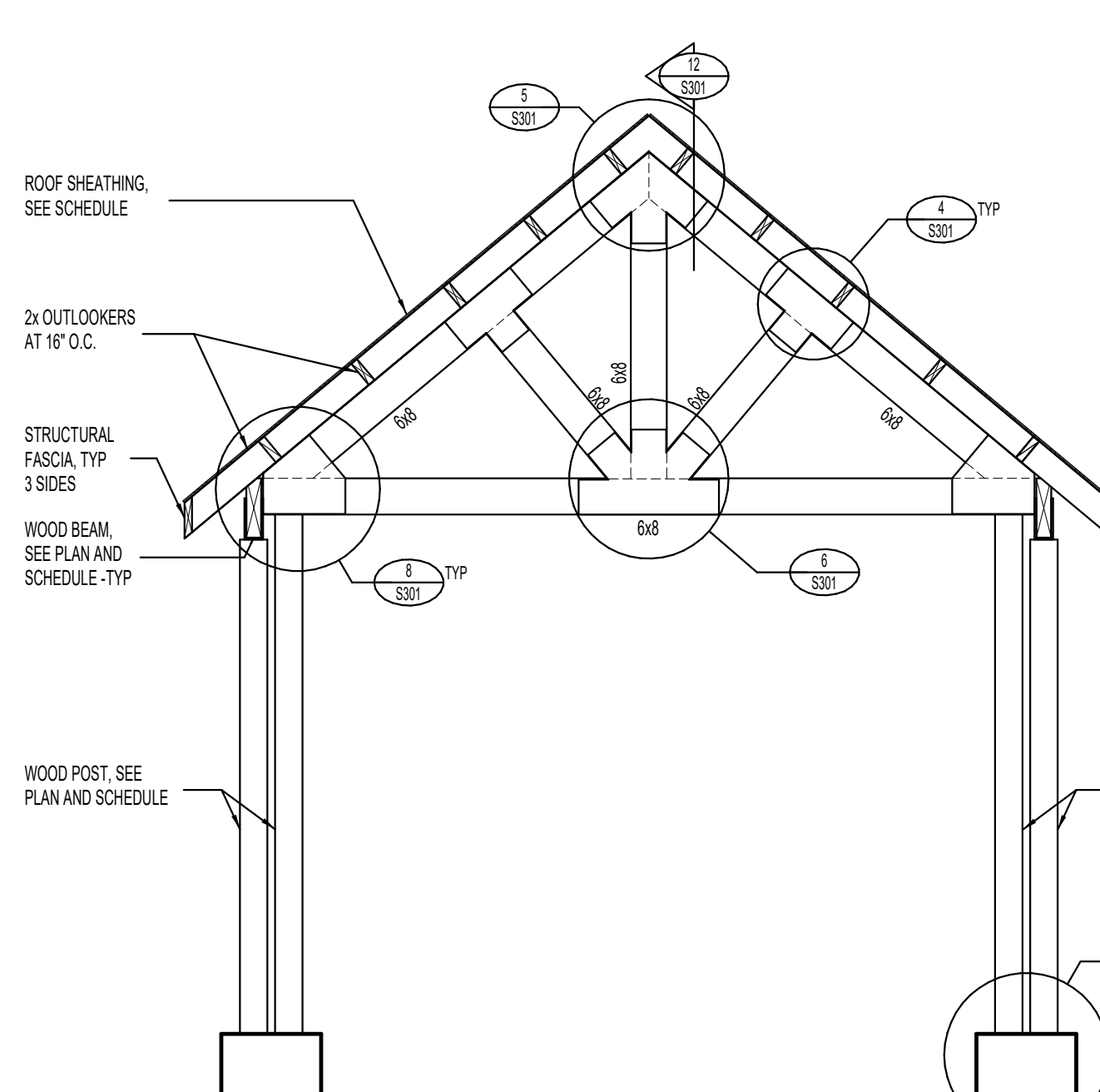
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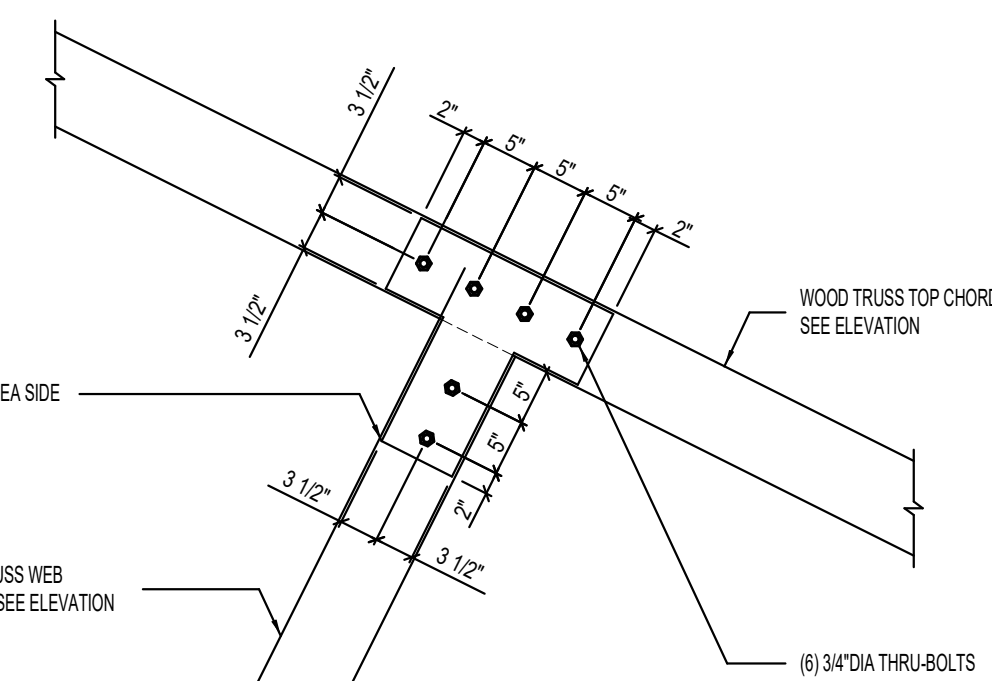
1 WOOD ARCH FRAMING AT ENTRY



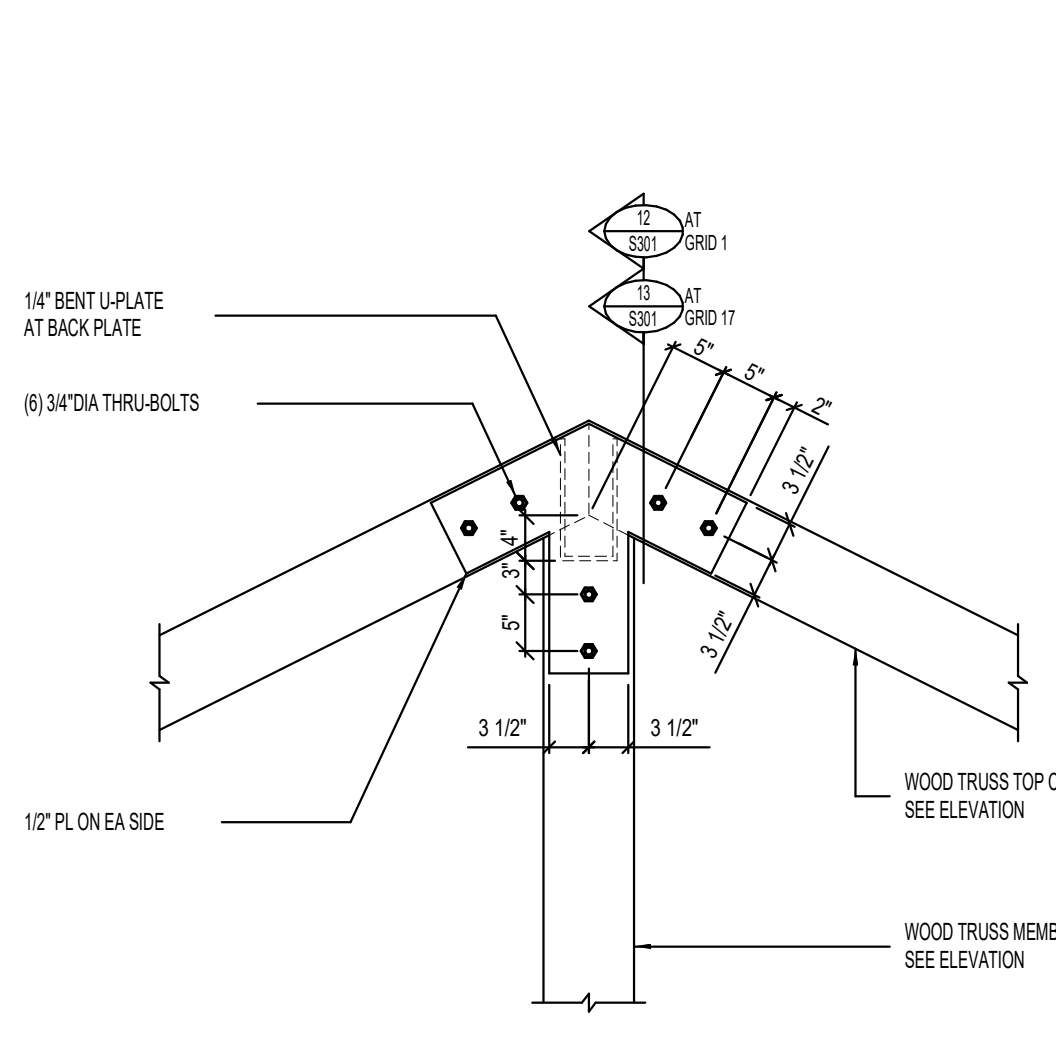
2 WOOD TRUSS FRAMING AT ENTRY



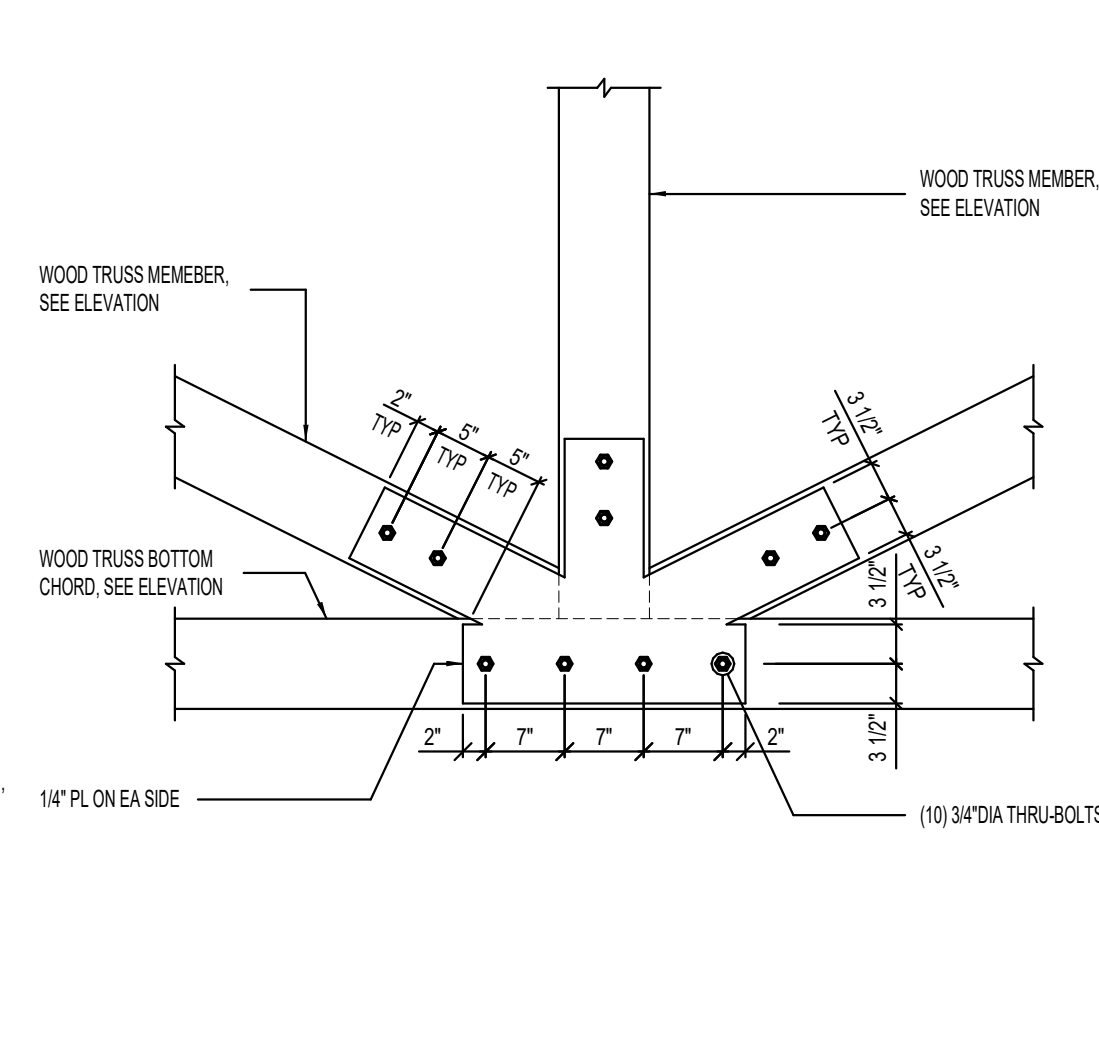
3 WOOD TRUSS FRAMING AT ENTRY



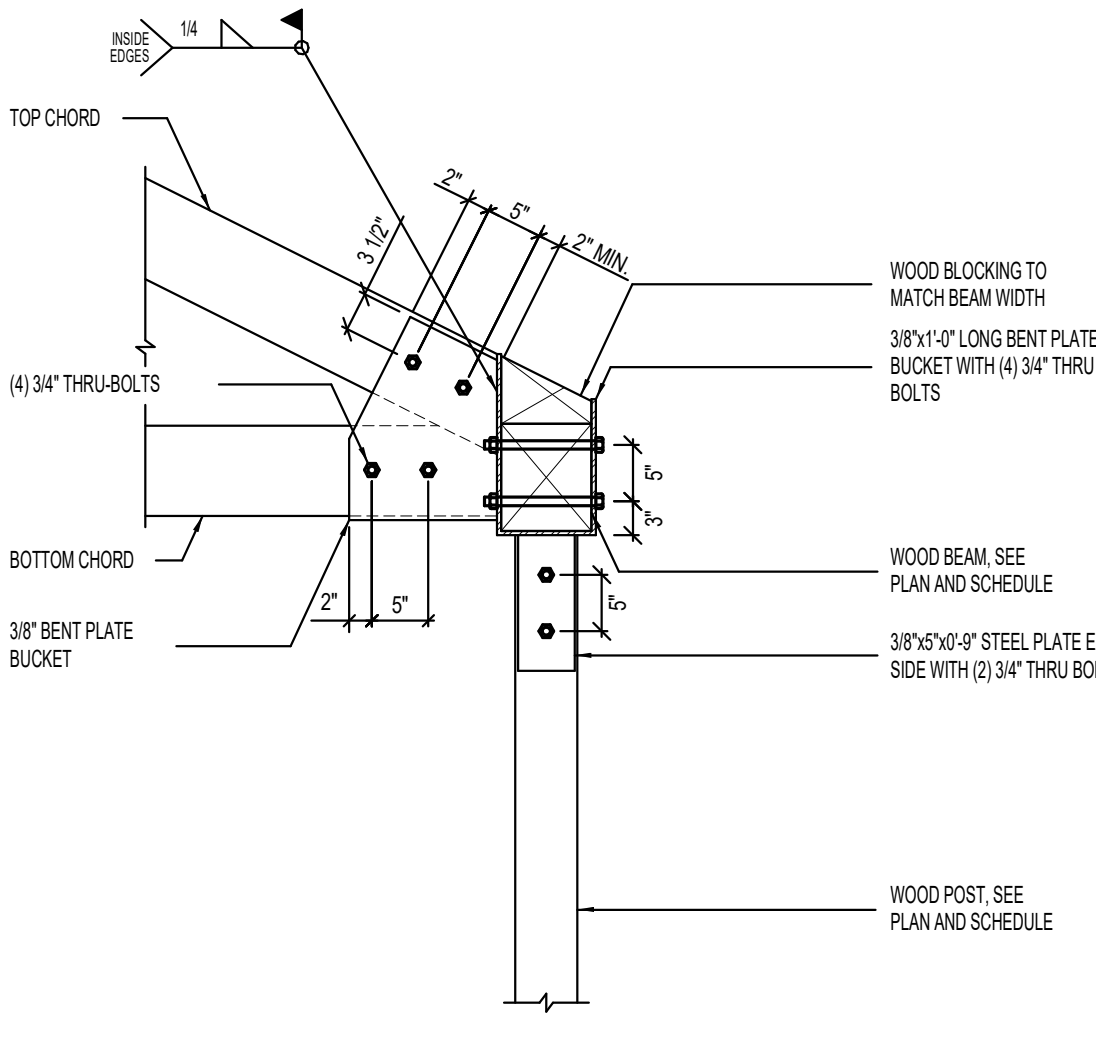
4 WOOD TRUSS CONNECTION DETAIL



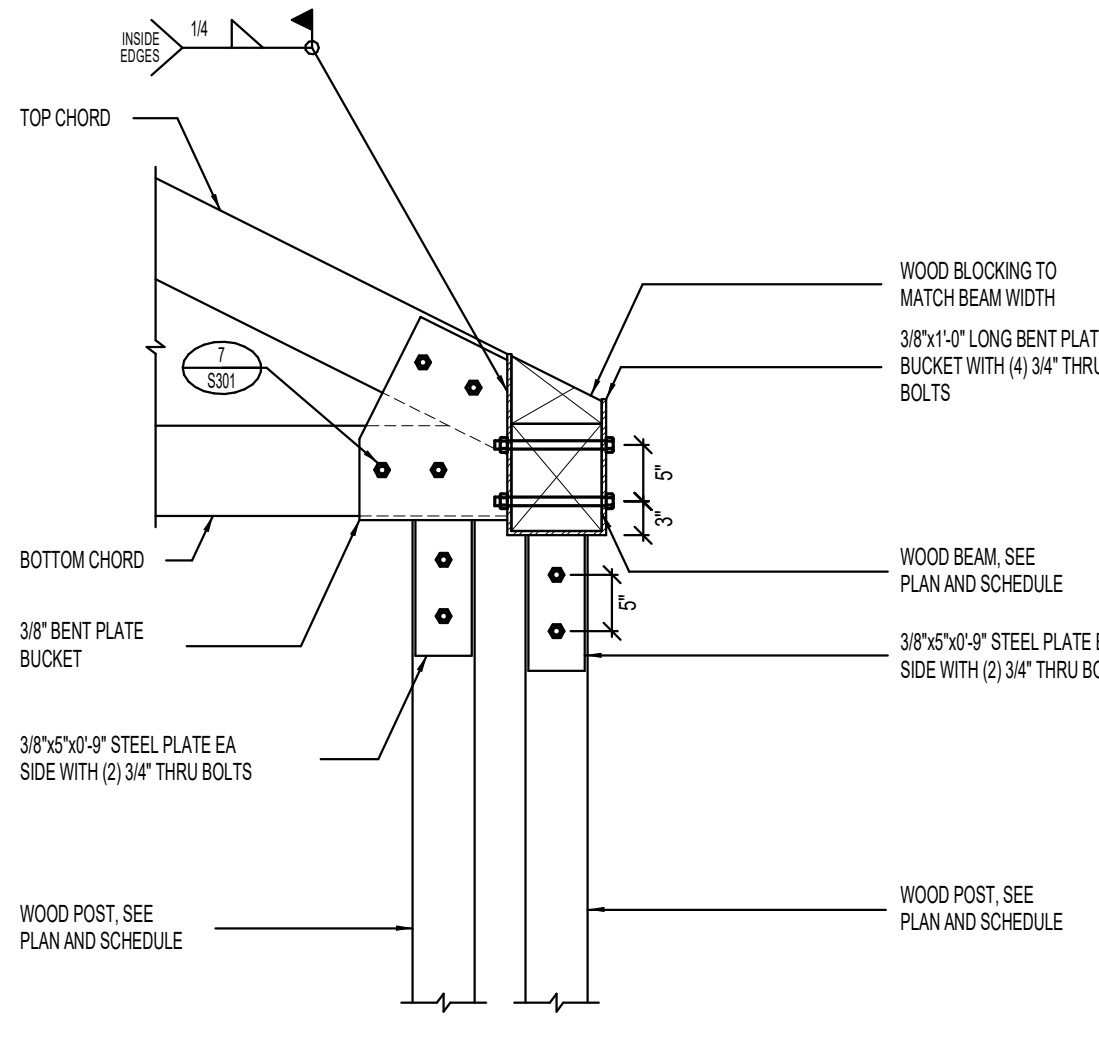
5 WOOD TRUSS CONNECTION DETAIL



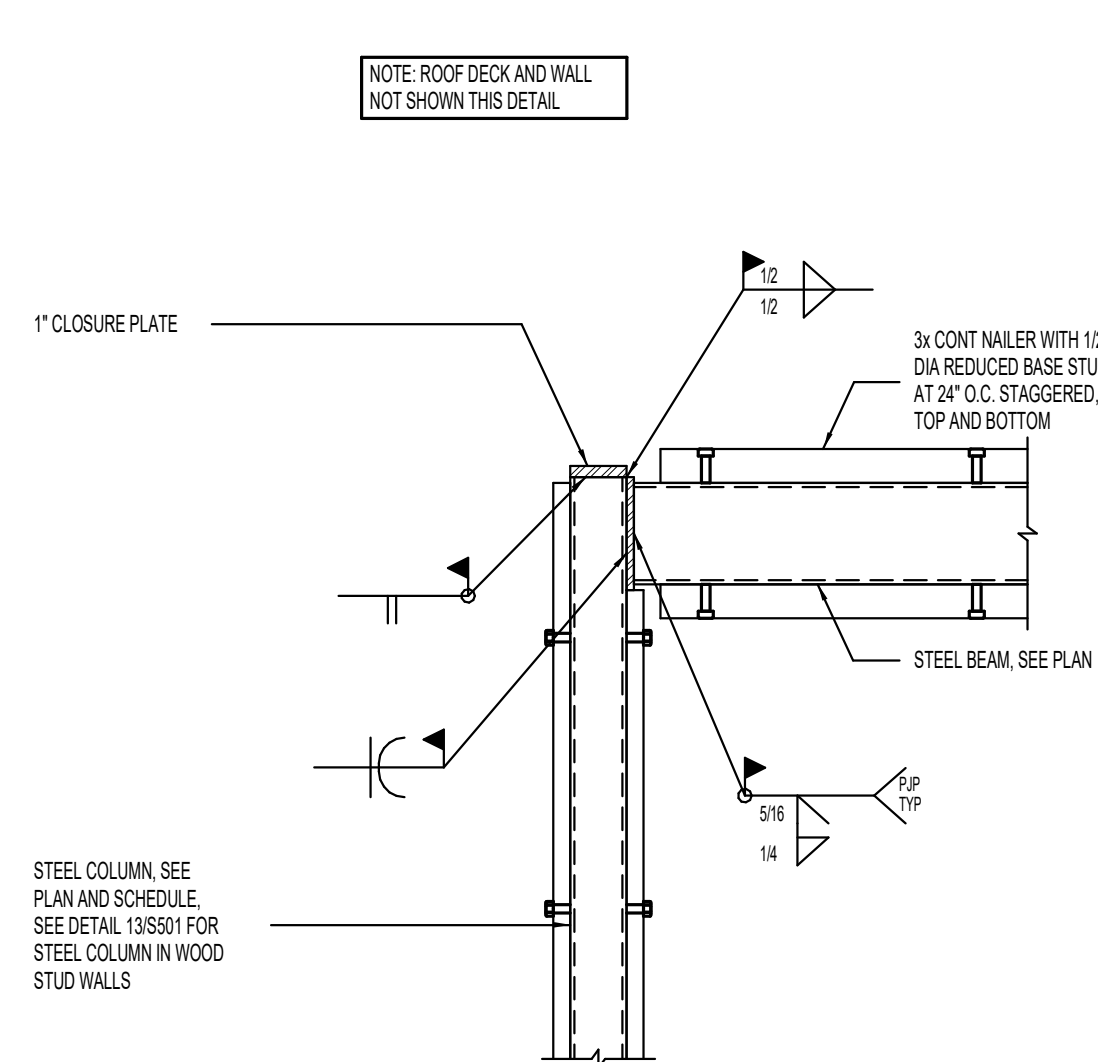
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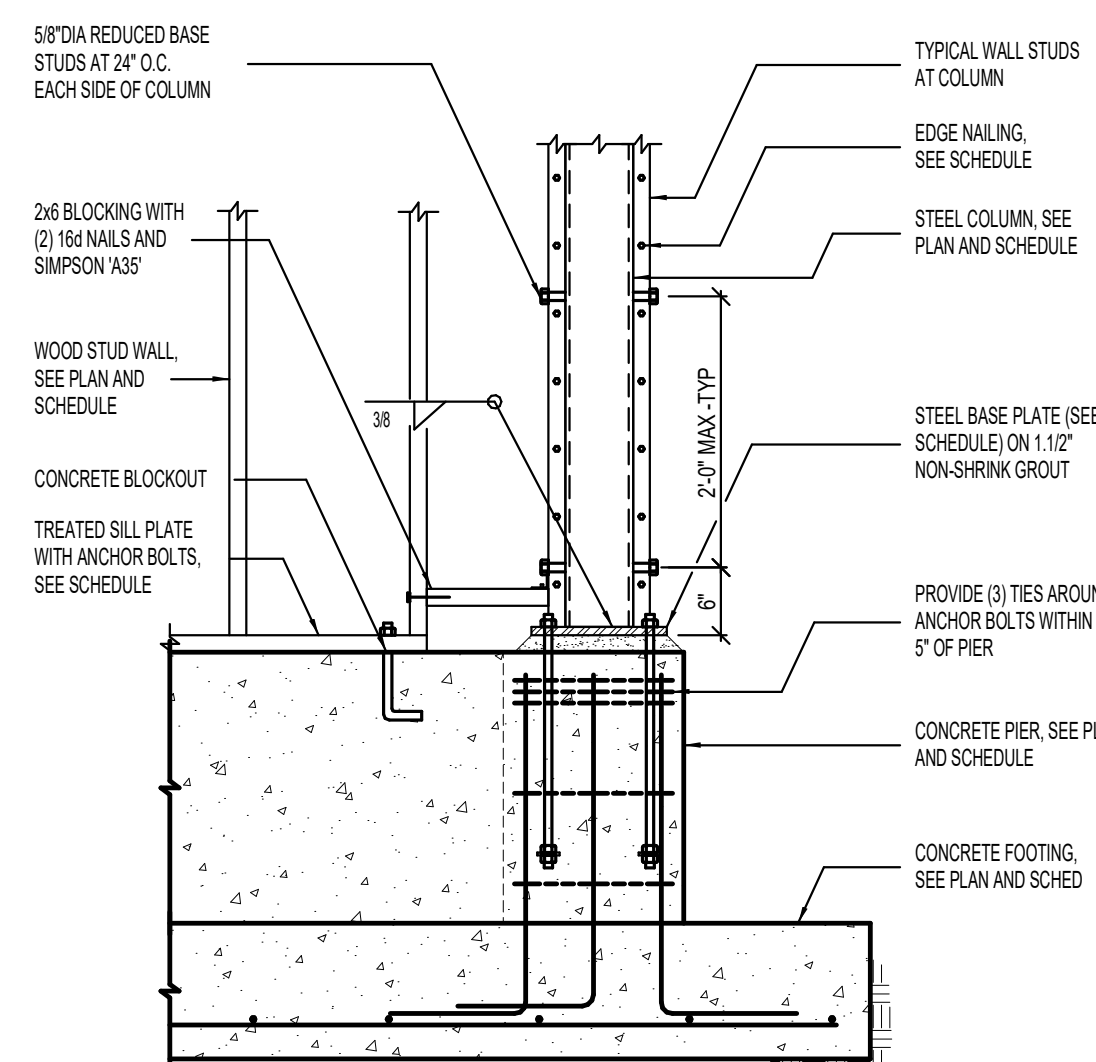
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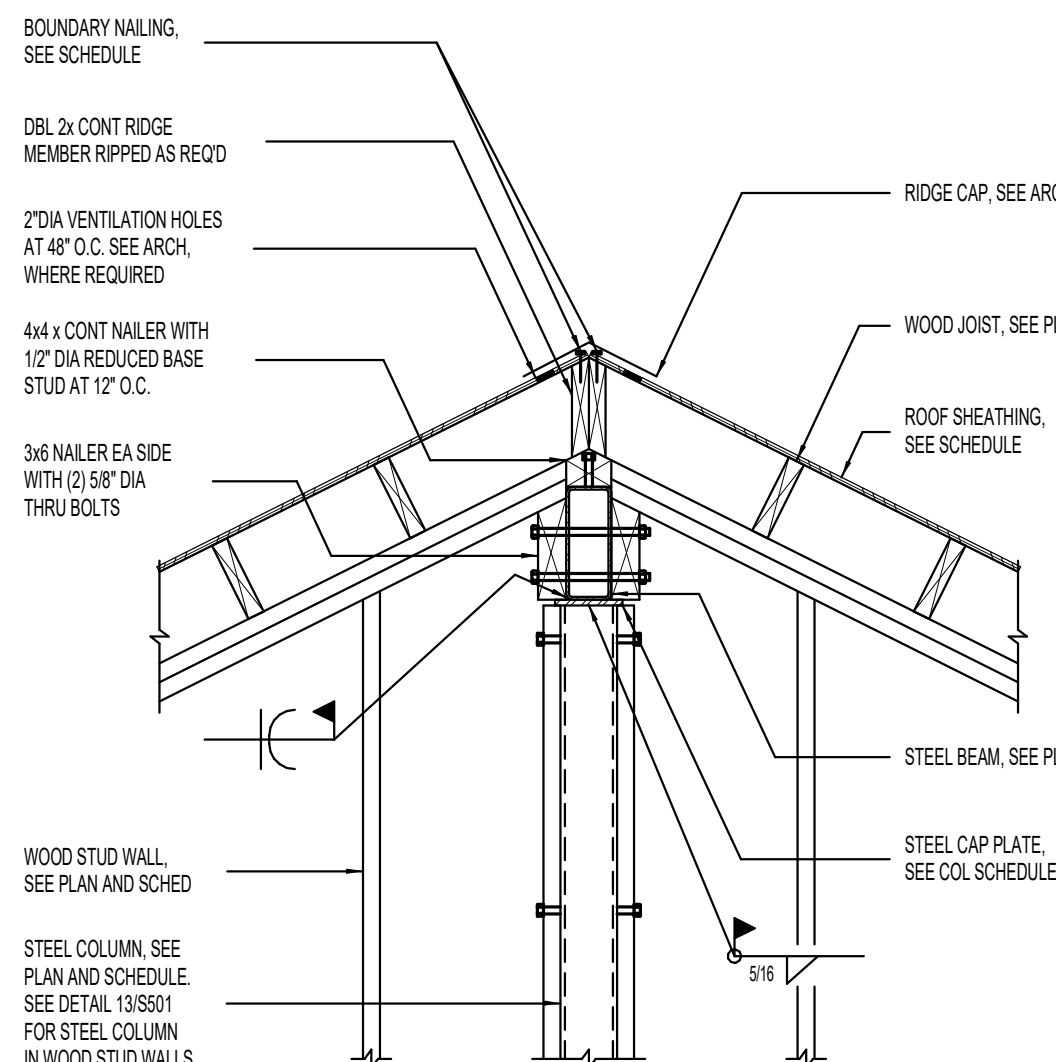
8 WOOD TRUSS CONNECTION DETAIL



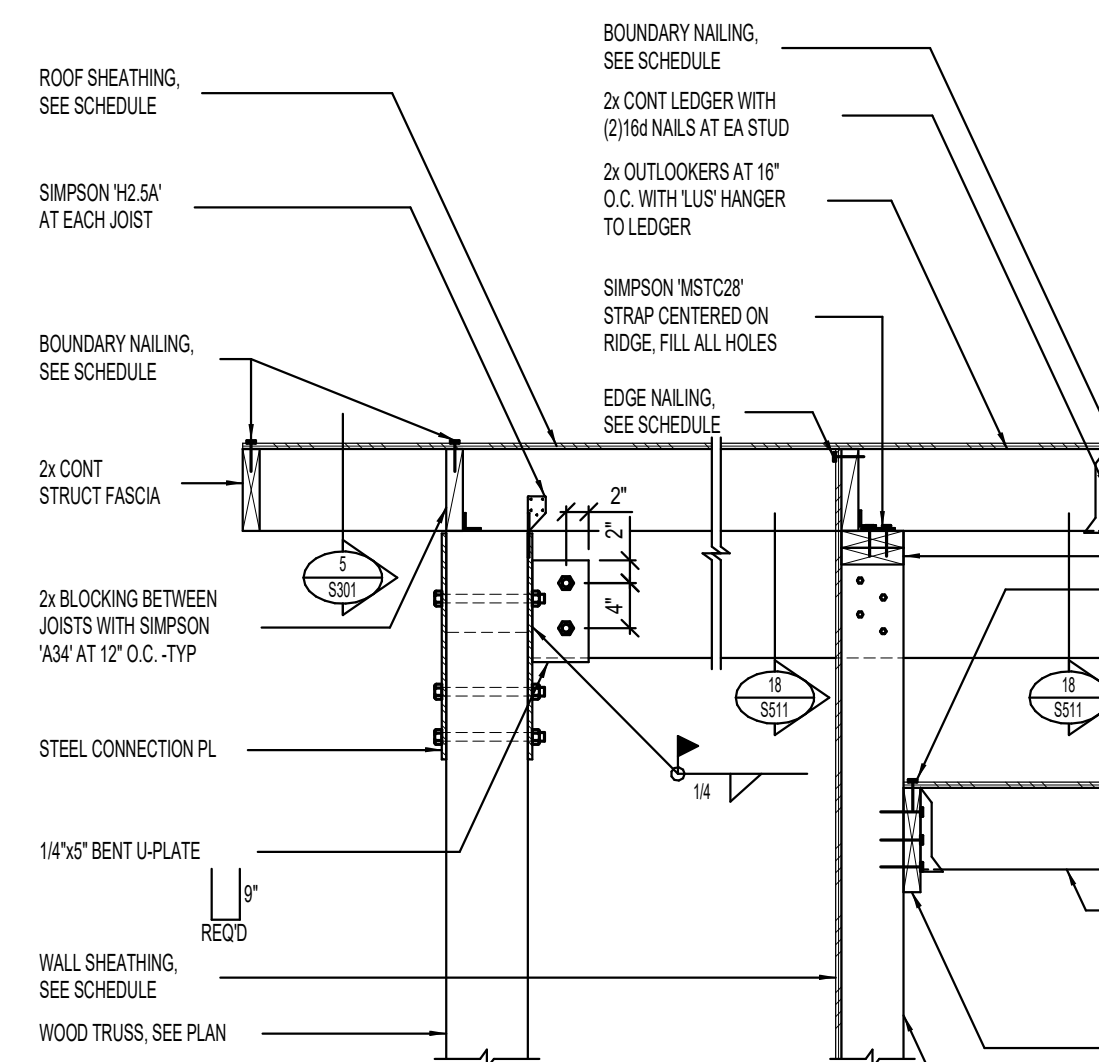
9 STEEL CONNECTION DETAIL



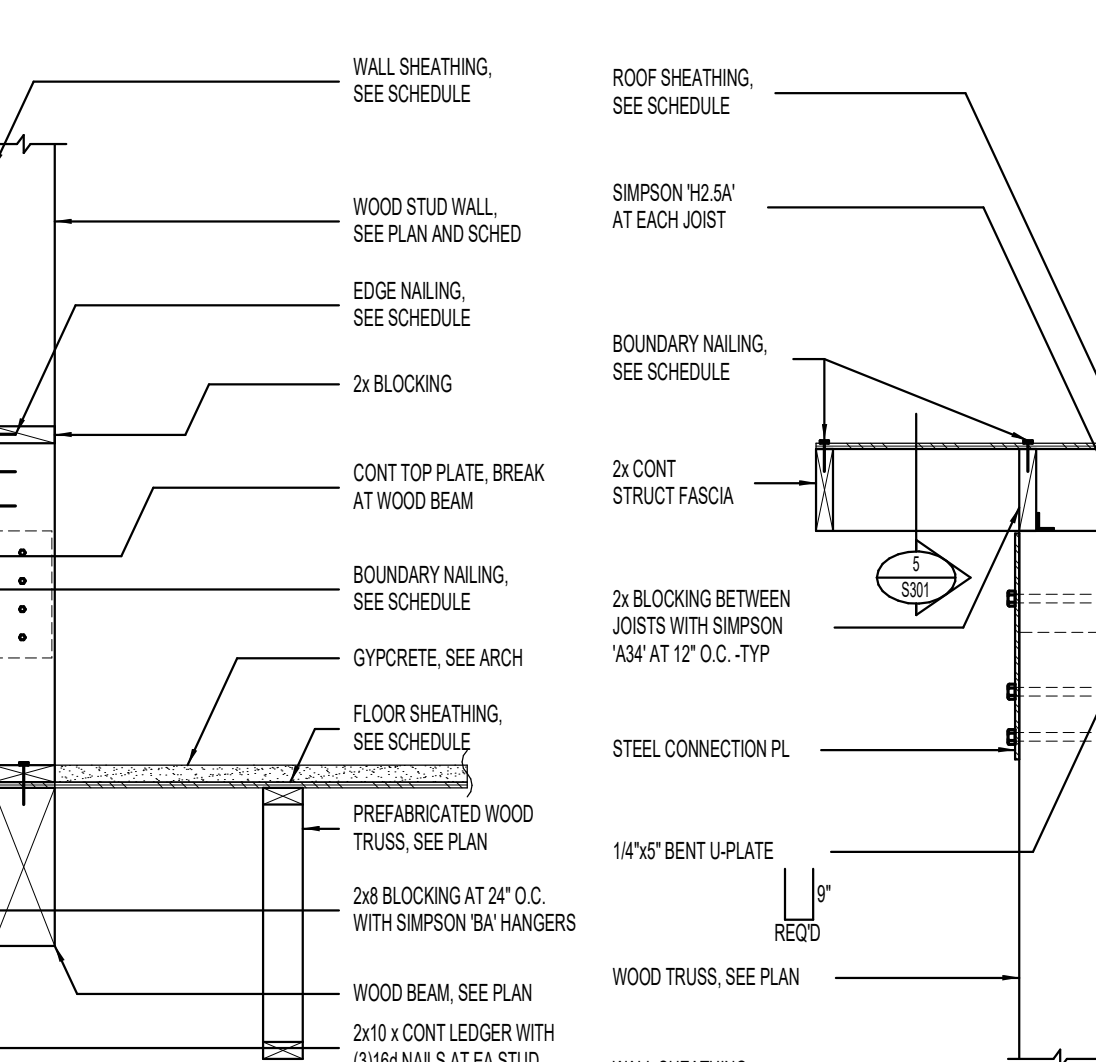
10 STEEL COLUMN BEARING ON CONCRETE FOUNDATION WALL



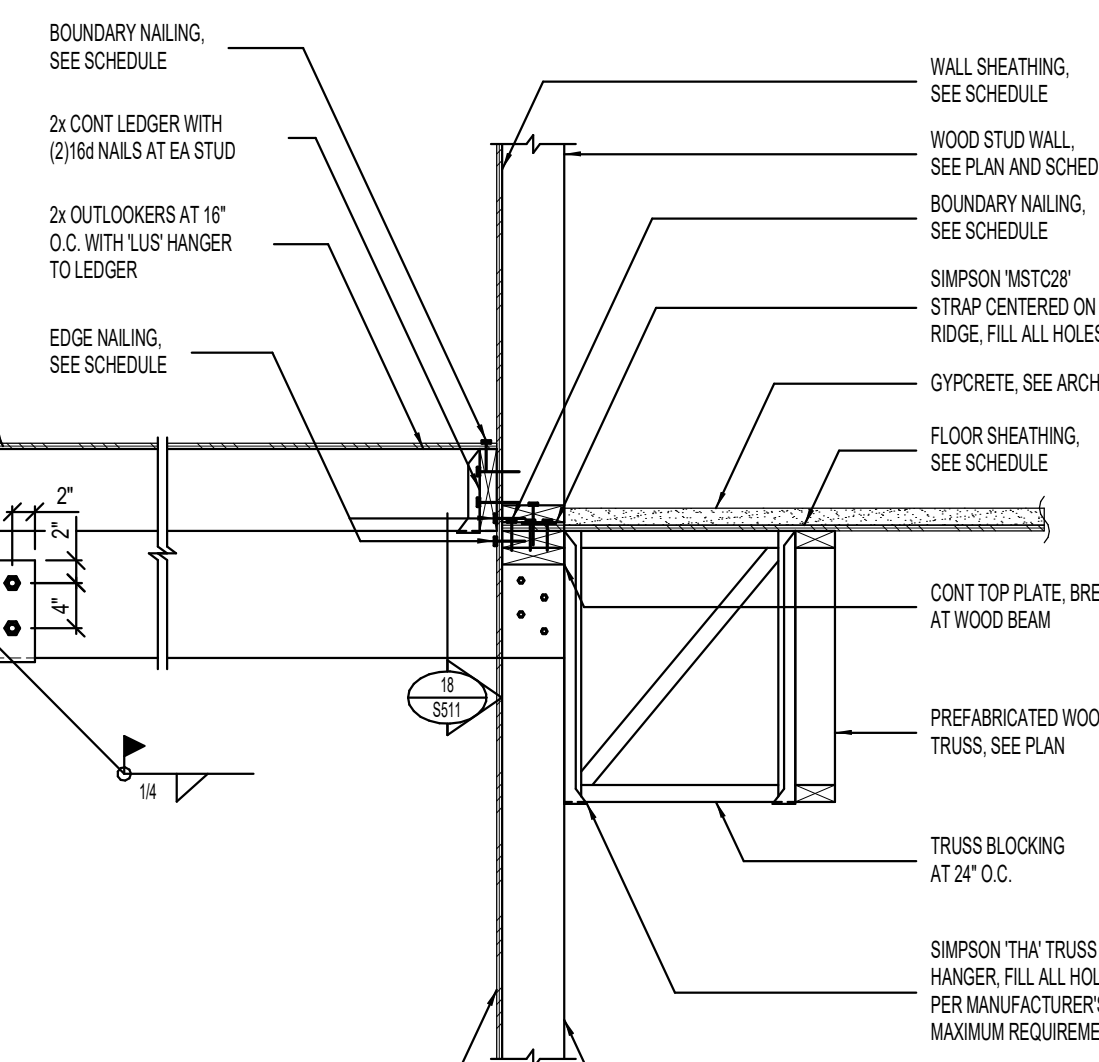
11 STEEL BEAM TO STEEL COLUMN DETAIL



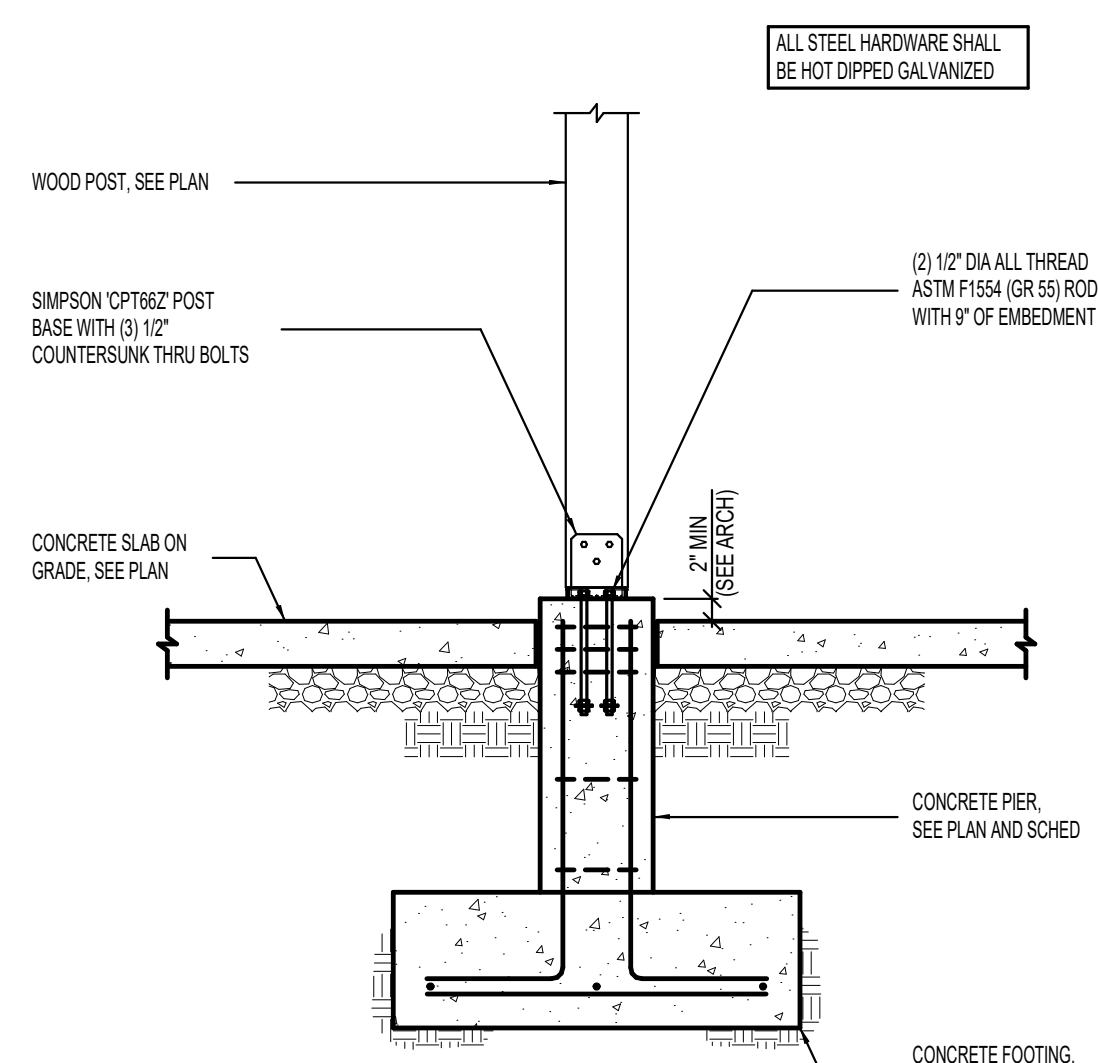
12 WOOD BEAM TO WOOD TRUSS DETAIL



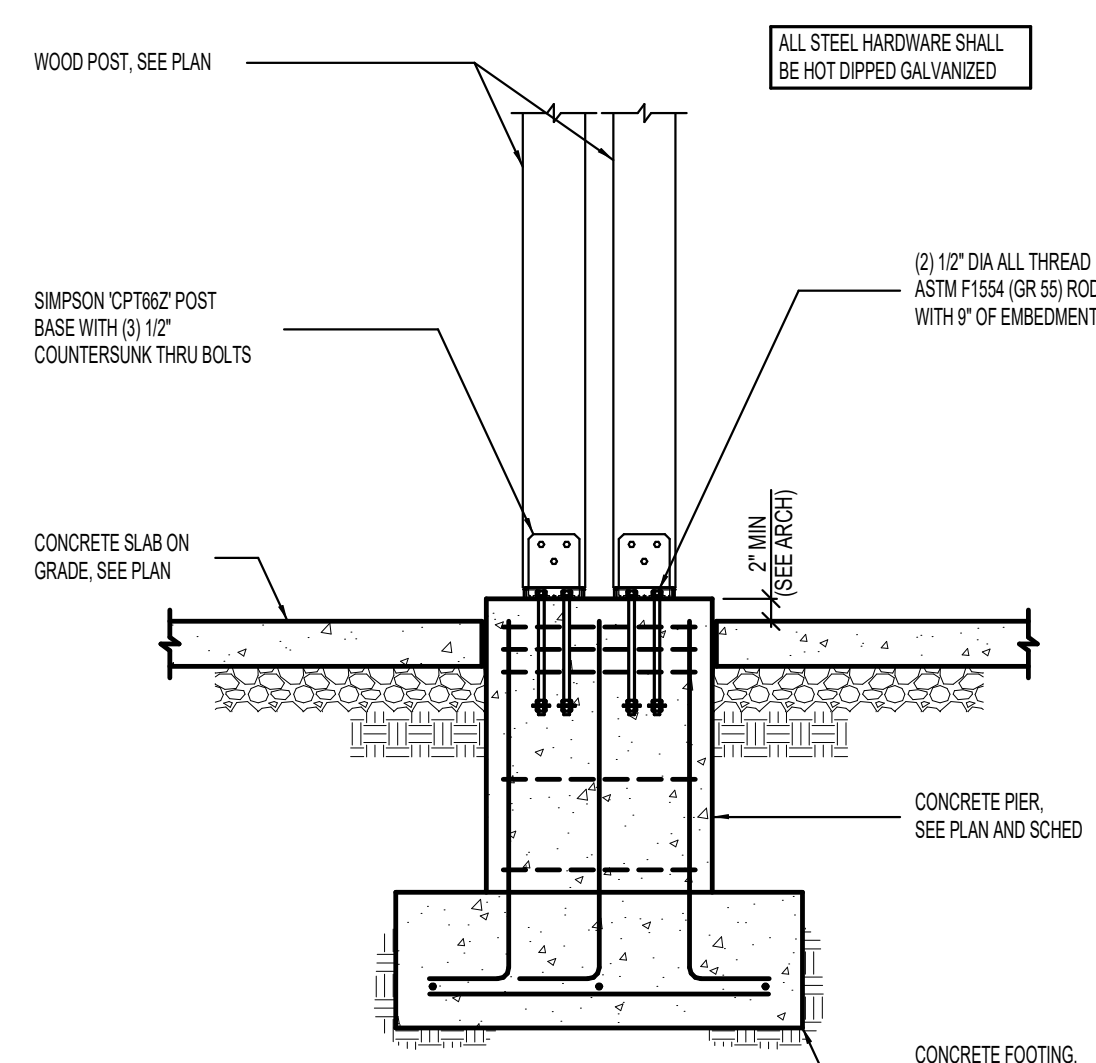
13 WOOD BEAM TO WOOD TRUSS DETAIL



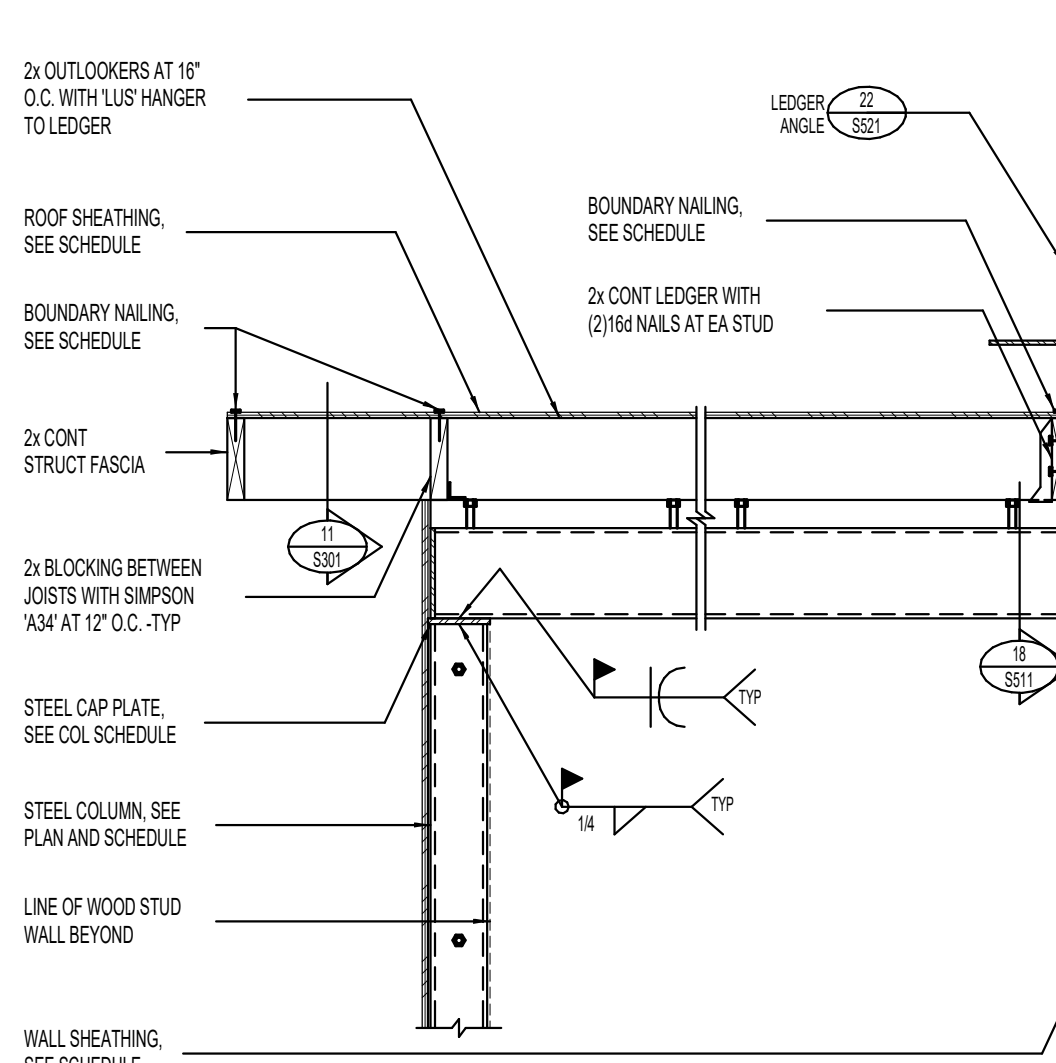
13 WOOD BEAM TO WOOD TRUSS DETAIL



14 WOOD POST BASE DETAIL



15 WOOD POST BASE DETAIL



16 STEEL BEAM TO STEEL COLUMN DETAIL

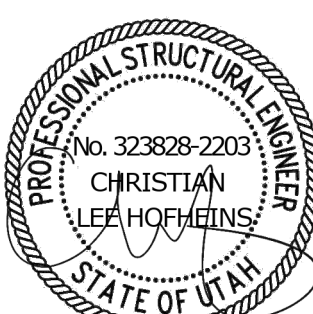
Revisions

Num. Description Date

Project Number 280430
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Sheet Title

ENTRY FRAME
ELEVATIONS AND
DETAILS

Sheet Number

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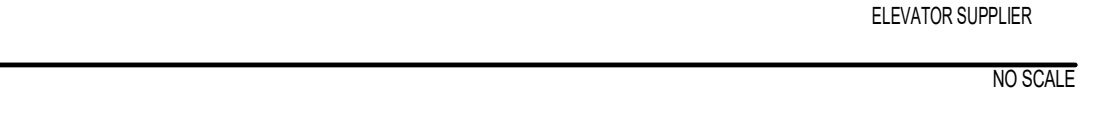
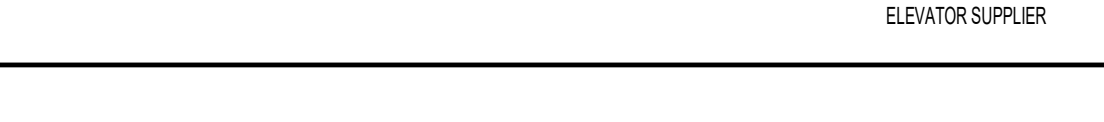
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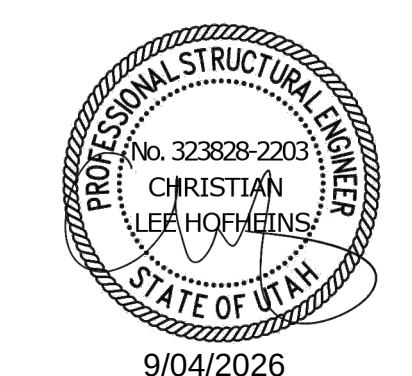
Revisions		
Num.	Description	Date

Project Number	260430
Original Issue	09.04.2026
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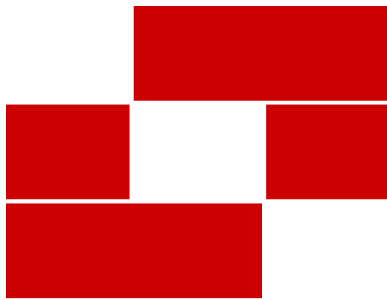


Sheet Title

STAIR DETAILS

Sheet Number

S401



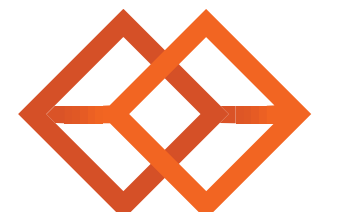
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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
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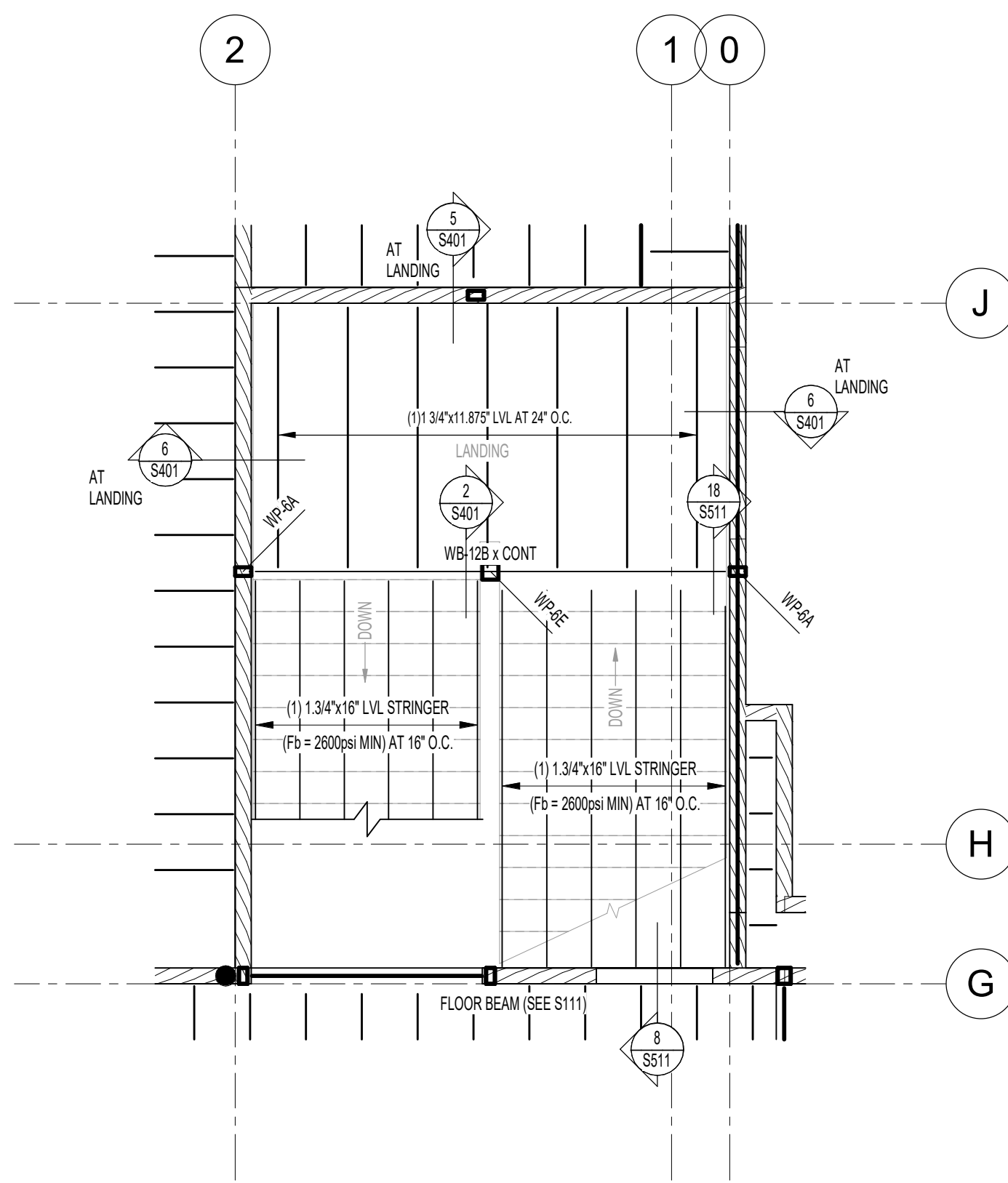


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2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
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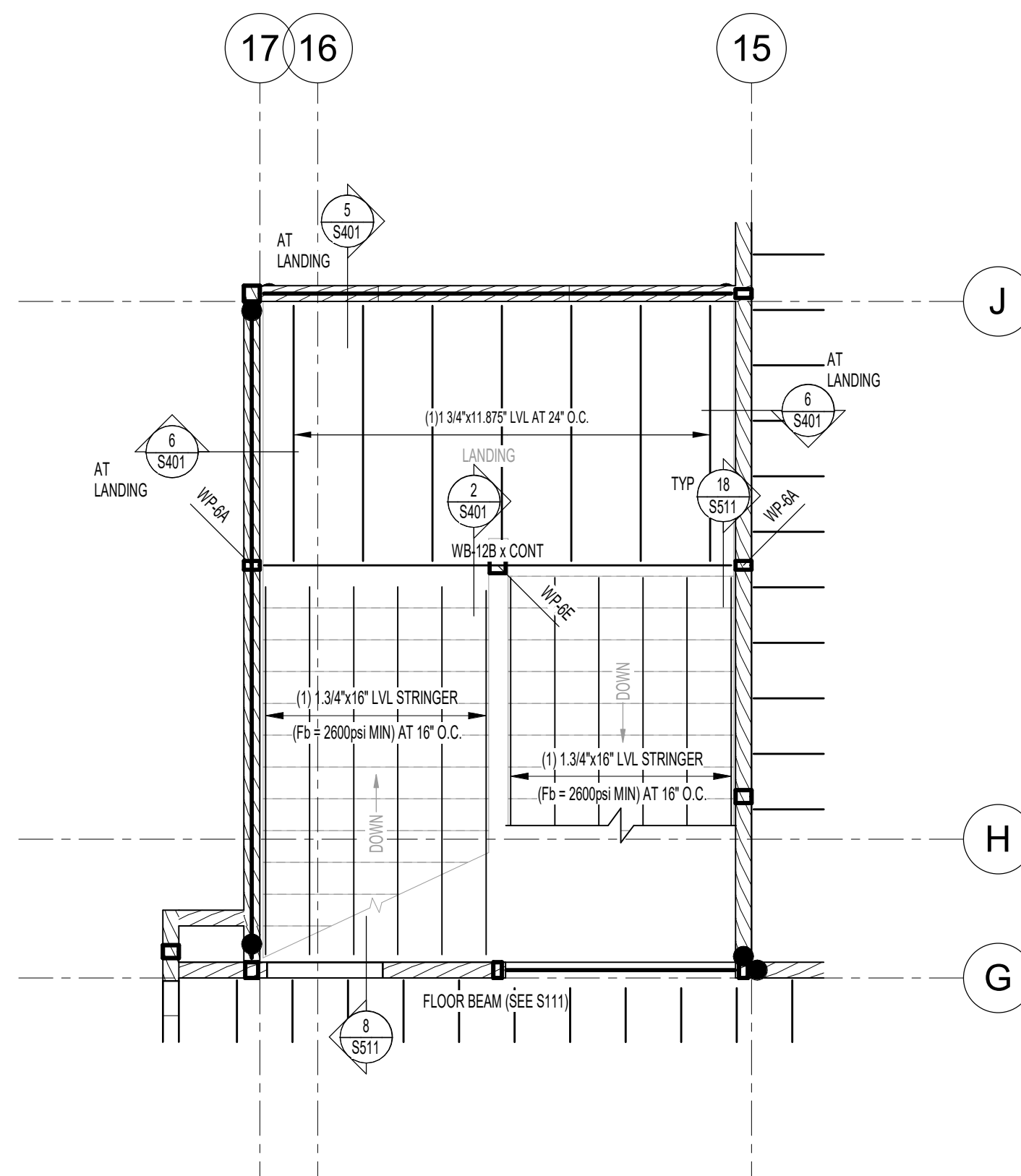
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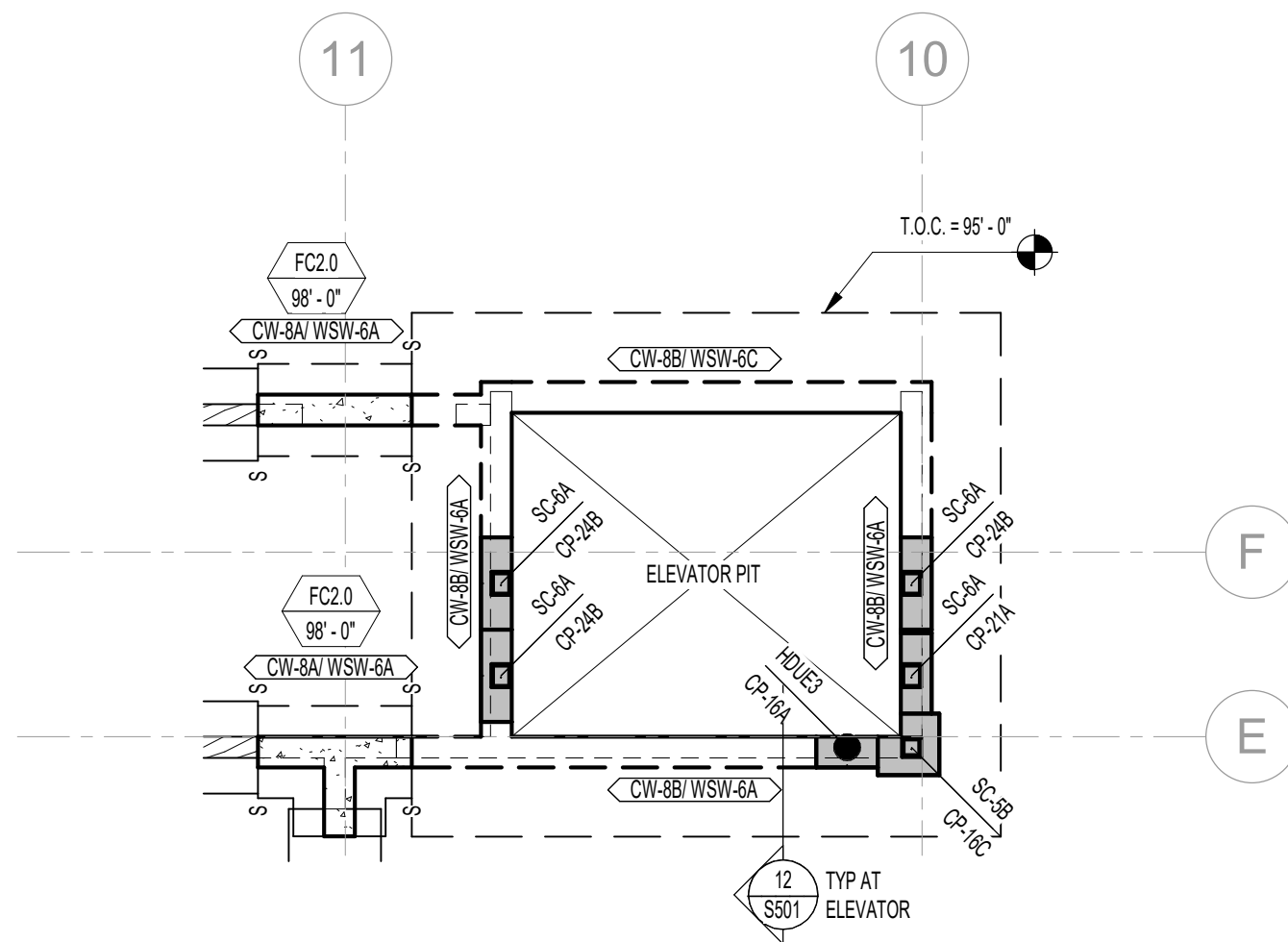
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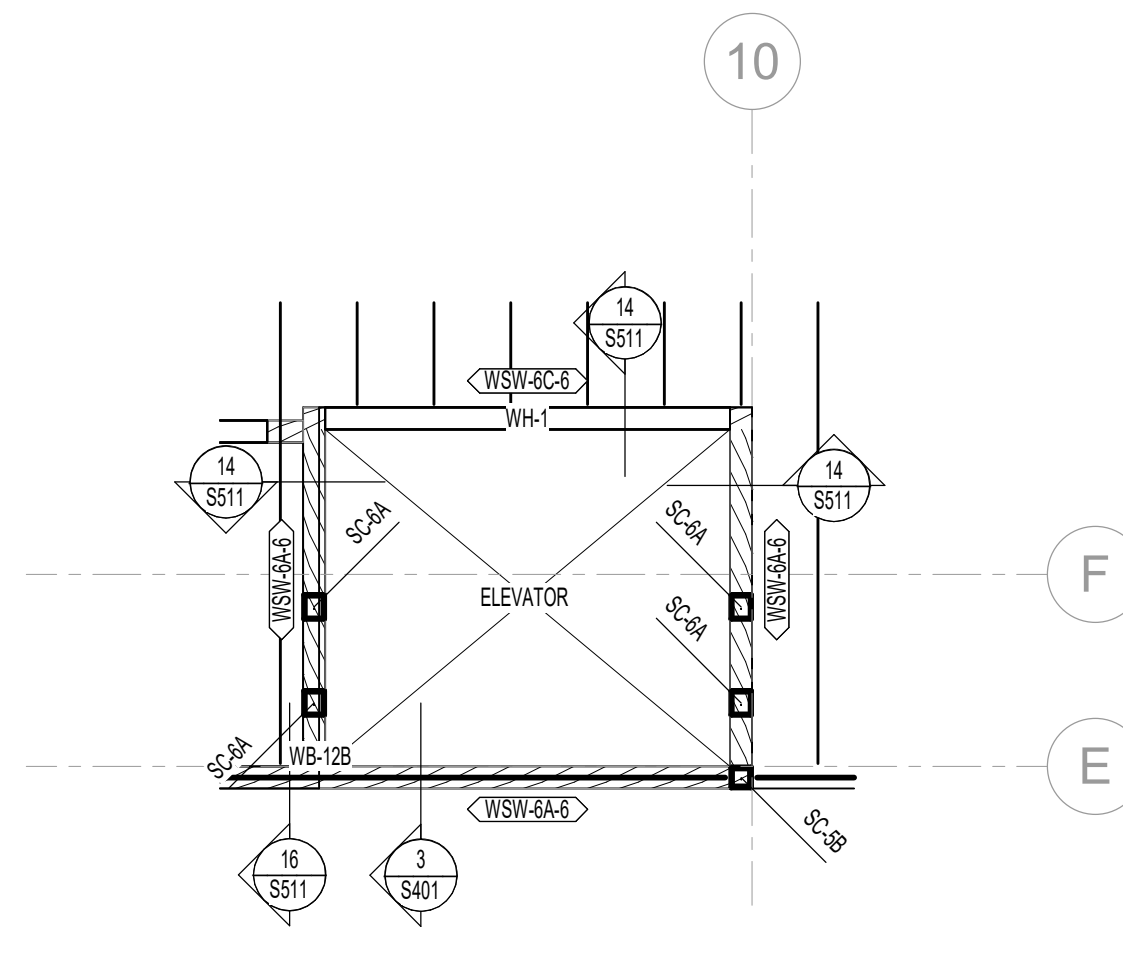
1 STAIR A FRAMING PLAN
1/4" = 1'-0"
0' 2'-0" 4'-0" 8'-0"
[1/511]



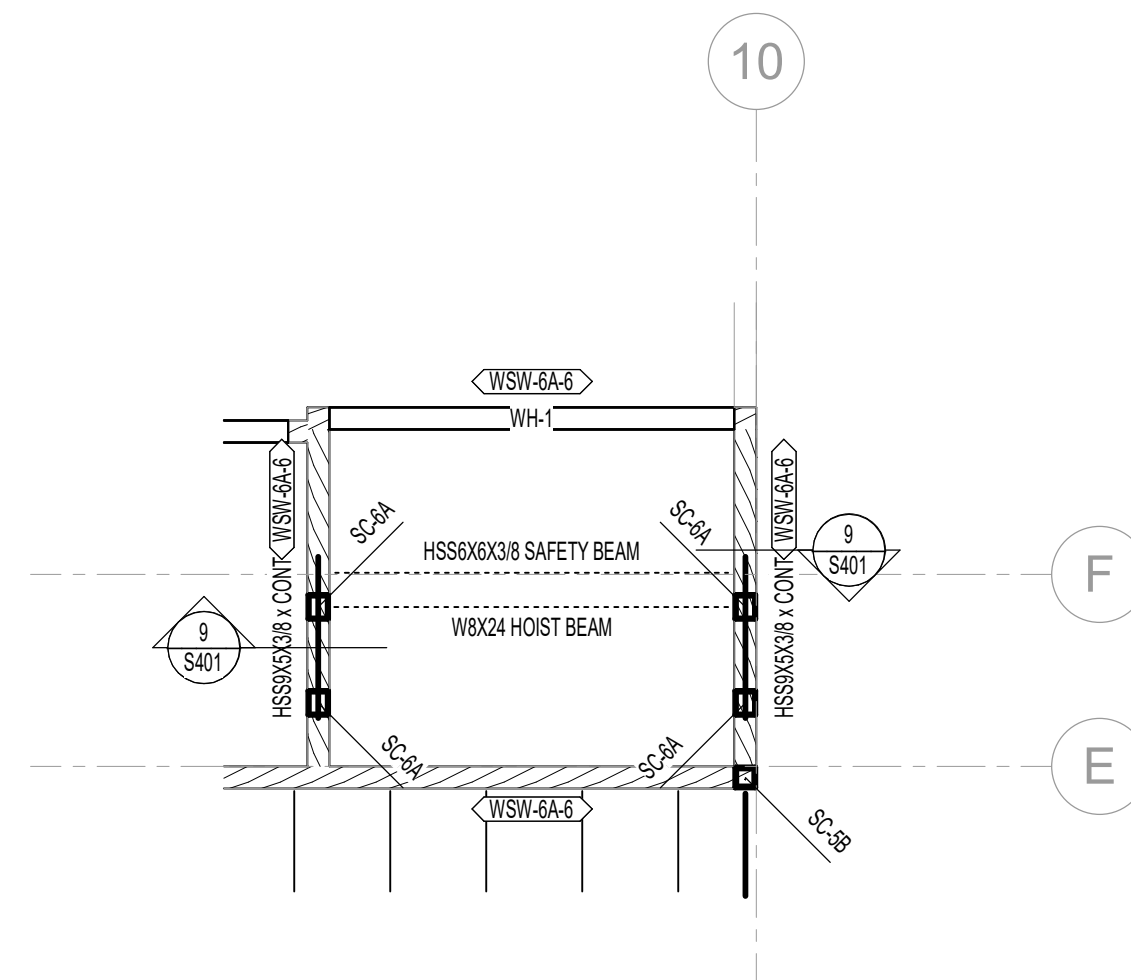
2 STAIR B FRAMING PLAN
1/4" = 1'-0"
0' 2'-0" 4'-0" 8'-0"
[1/511]



3 ENLARGED FOOTING ELEVATOR PLAN
1/4" = 1'-0"
0' 2'-0" 4'-0" 8'-0"
[1/510]



4 ENLARGED LEVEL 2 ELEVATOR PLAN
1/4" = 1'-0"
0' 2'-0" 4'-0" 8'-0"
[1/511]



5 ENLARGED ROOF ELEVATOR PLAN
1/4" = 1'-0"
0' 2'-0" 4'-0" 8'-0"
[1/512]

Revisions

Num.	Description	Date
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Project Number	280430
Original Issue	09-04-2026
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Sheet Title

ENLARGED FRAMING
PLANS

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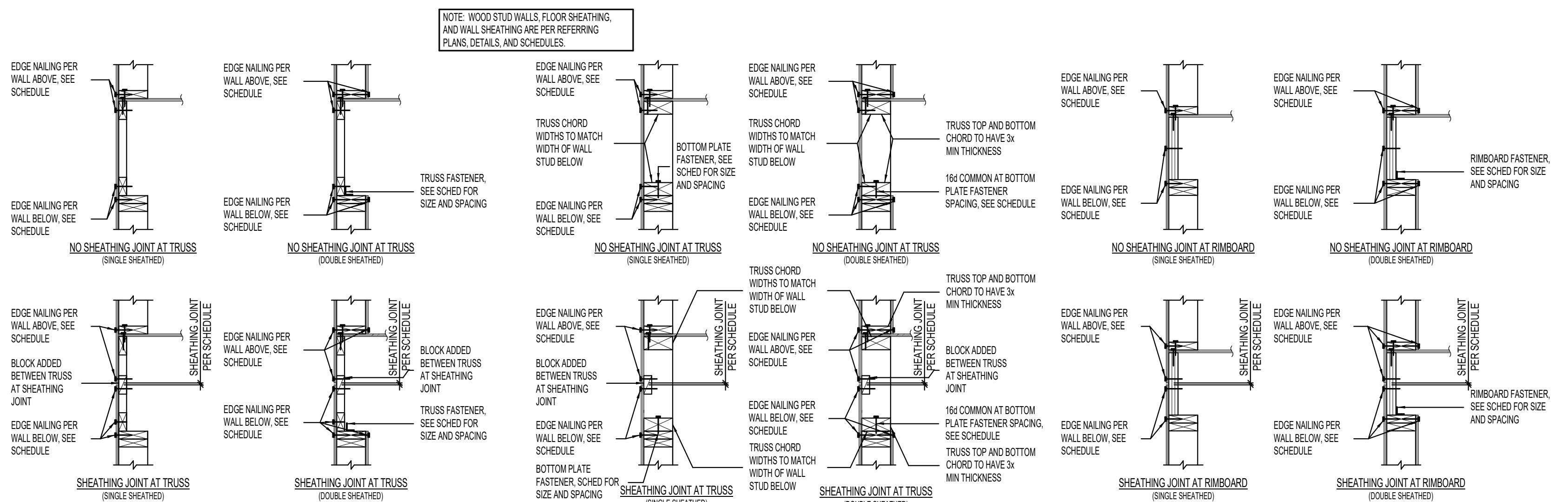
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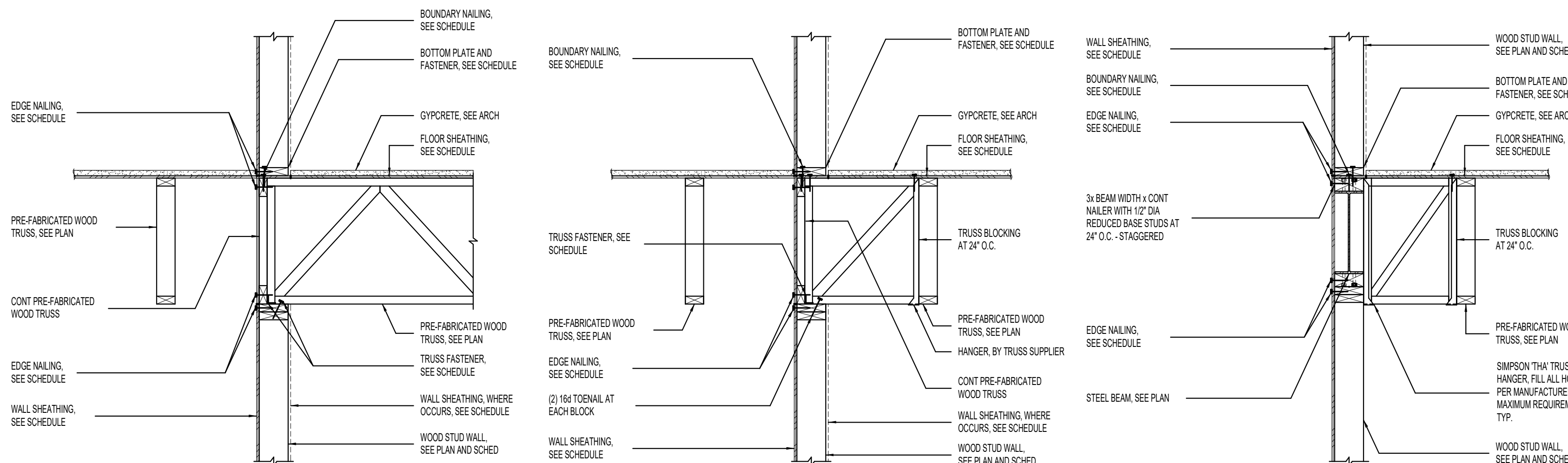
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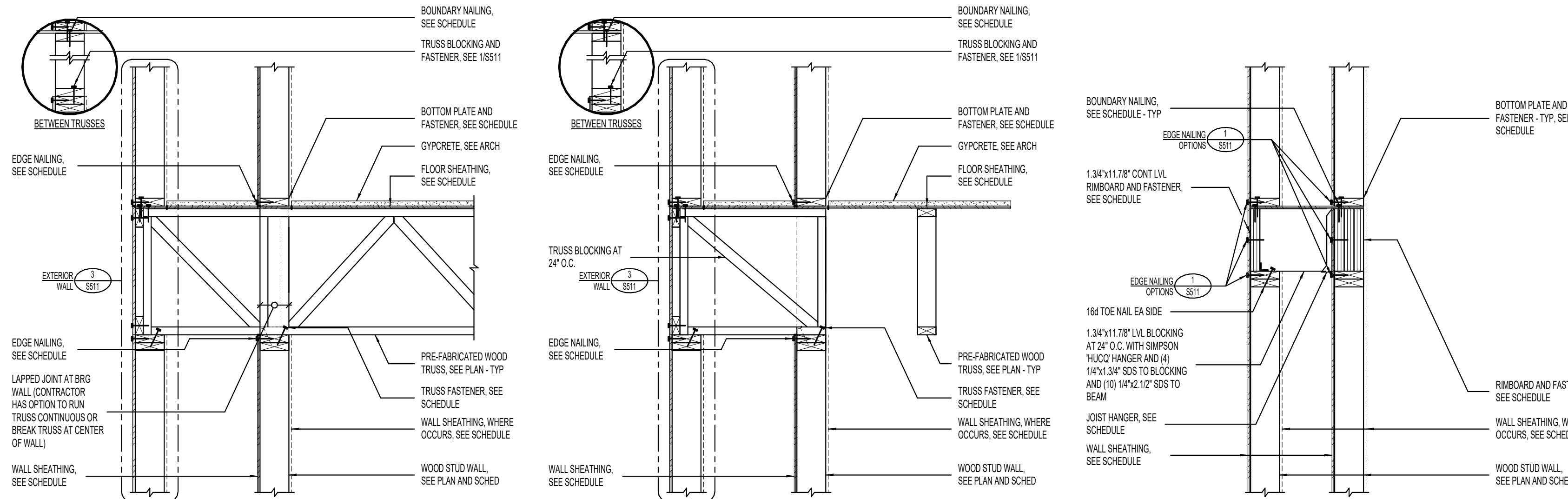
MAPLETON, UT



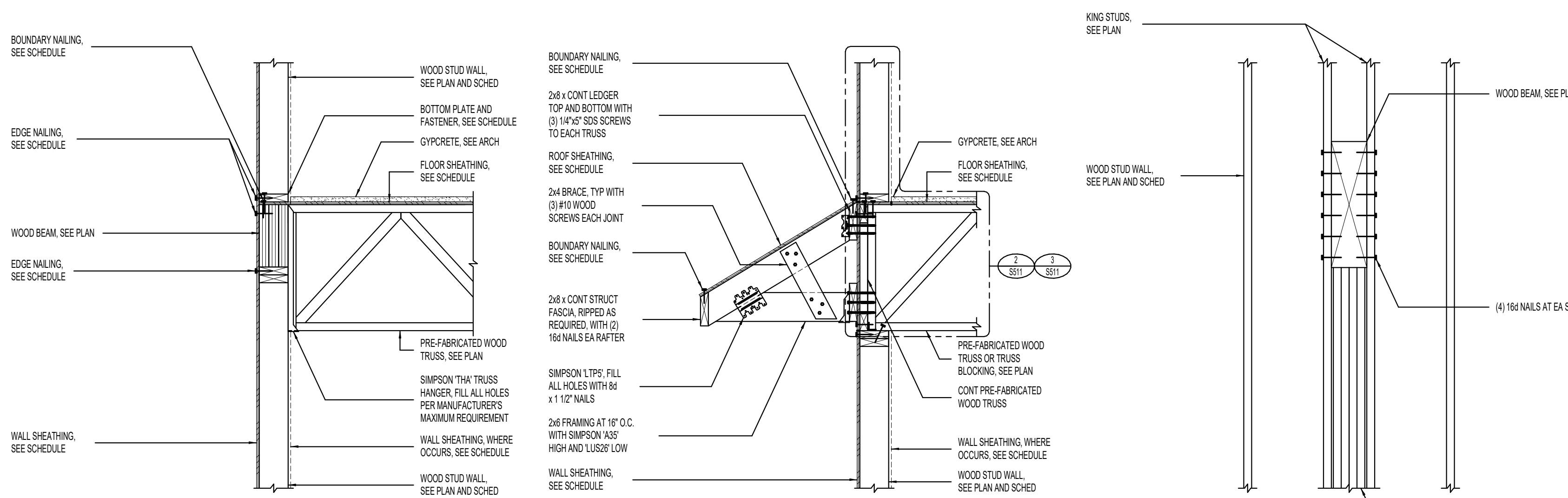
1 TYPICAL EDGE NAILING OPTIONS
CONTRACTOR MAY CHOOSE EDGE NAILING CONDITION



5 WOOD TRUSS/DECK BEARING ON INTERIOR WOOD STUD WALL



11 WOOD TRUSSES BEARING ON DOUBLE EXTERIOR WOOD STUD WALL

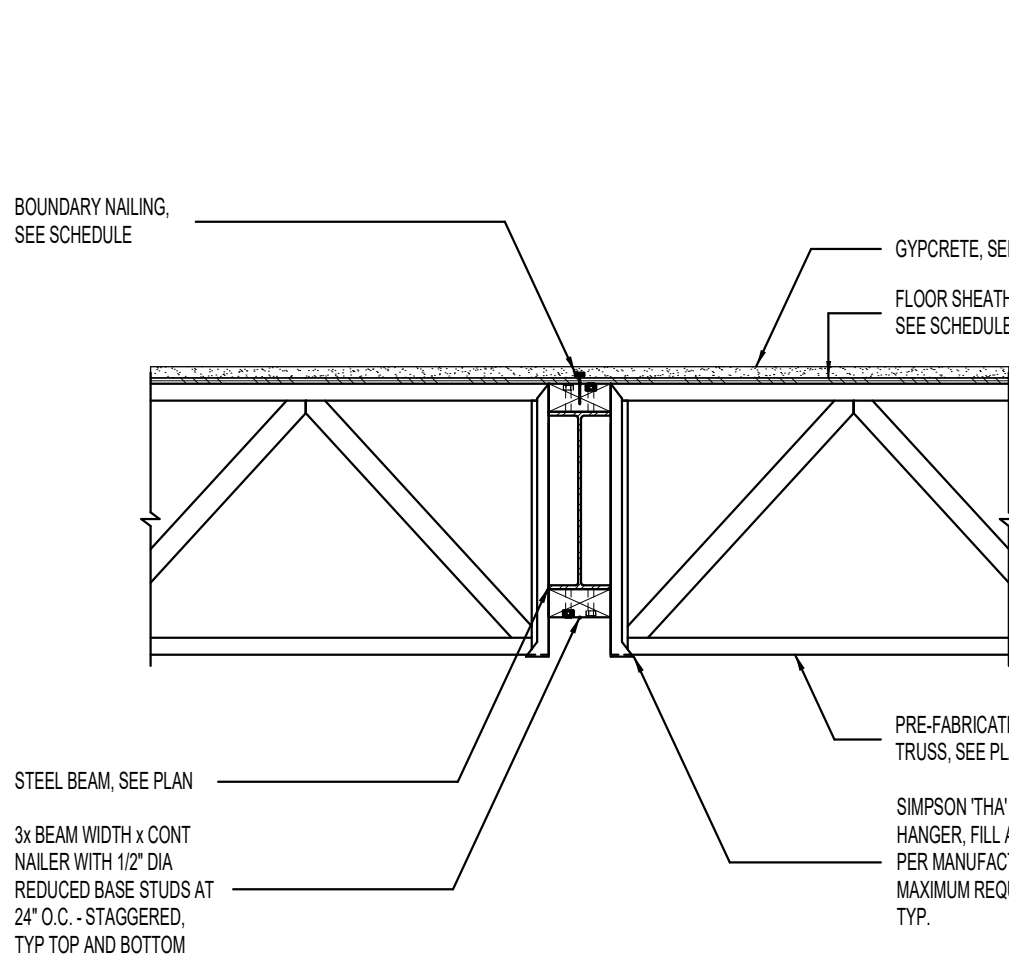


16 TRUSS BEARING AT EXTERIOR WOOD WALL - WITH WOOD GIRT

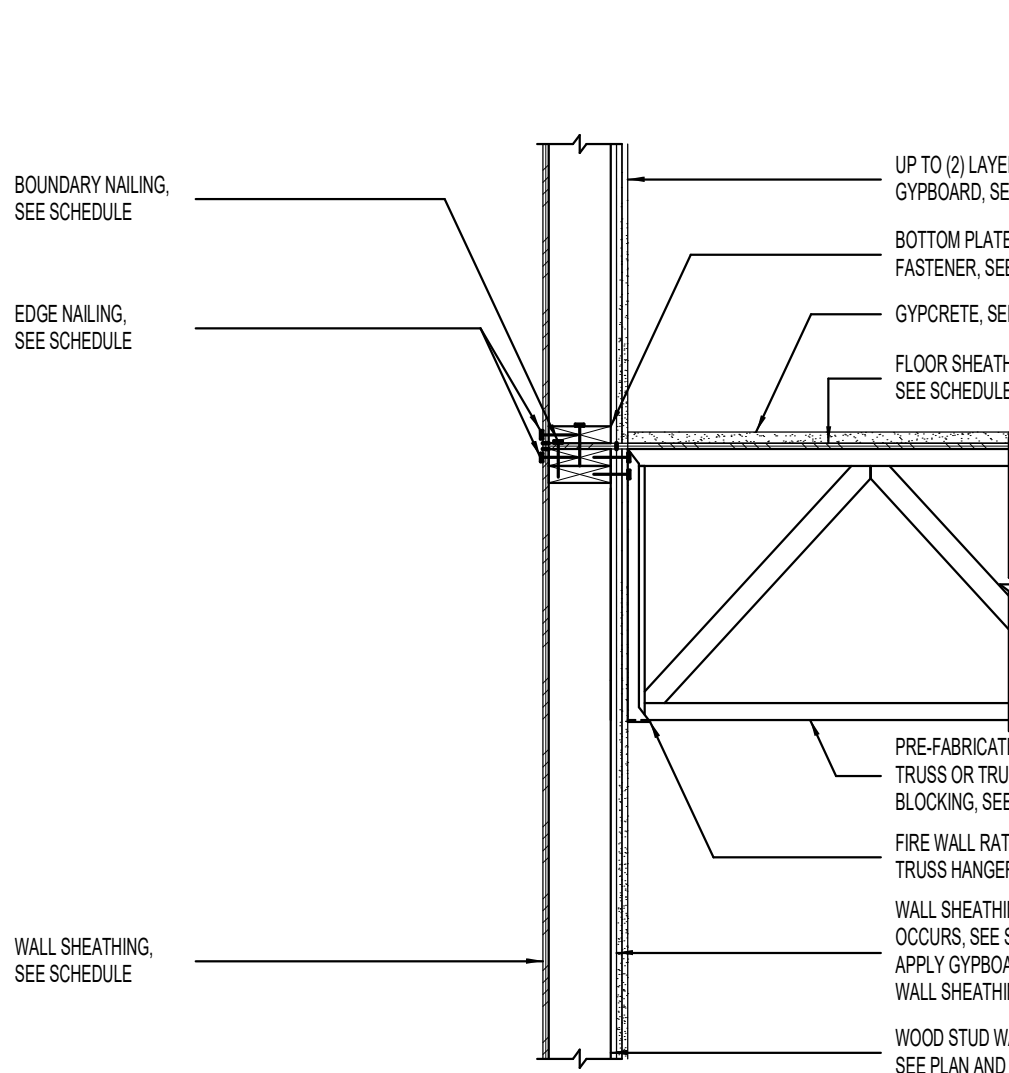
17 EYEBROW ROOF FRAMING AT EXTERIOR WOOD STUD WALL

18 BEAM TO WALL CONNECTION

2 WOOD TRUSS BEARING ON EXTERIOR WOOD STUD WALL



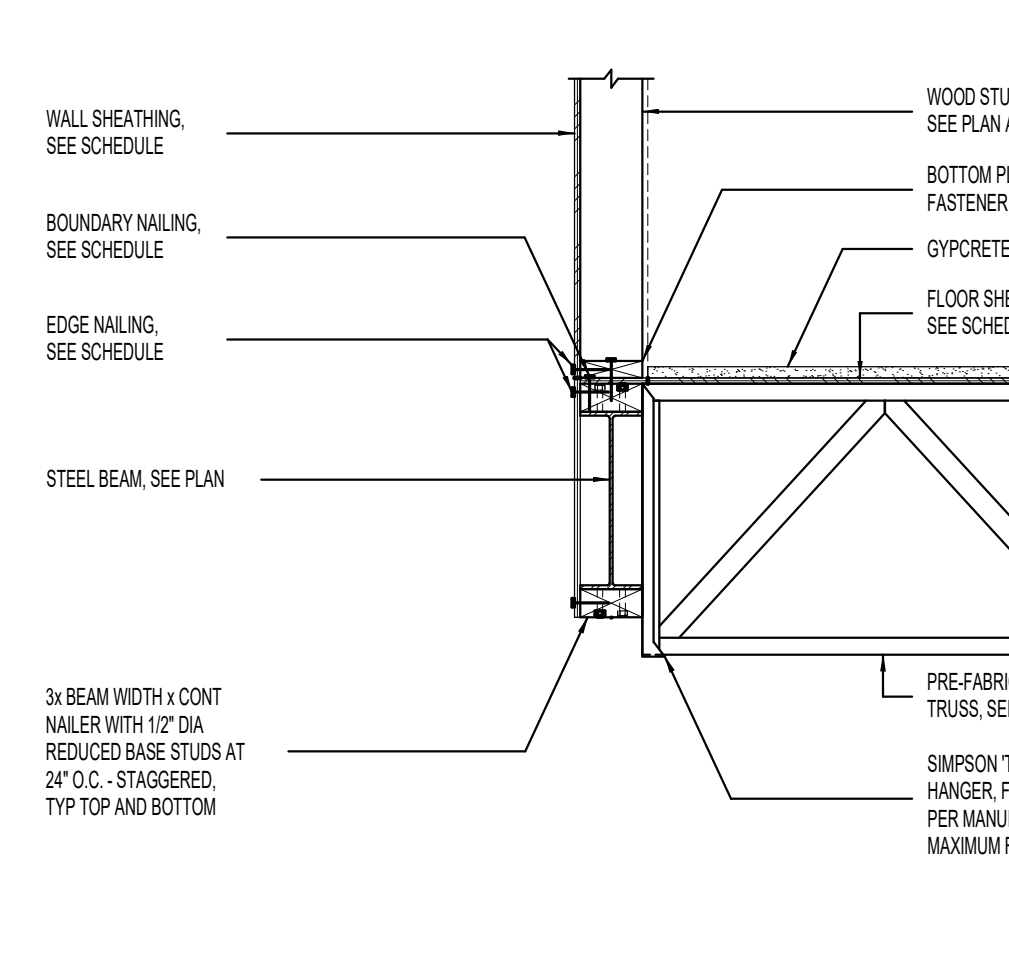
8 WOOD TRUSSES BEARING AT INTERIOR STEEL BEAM



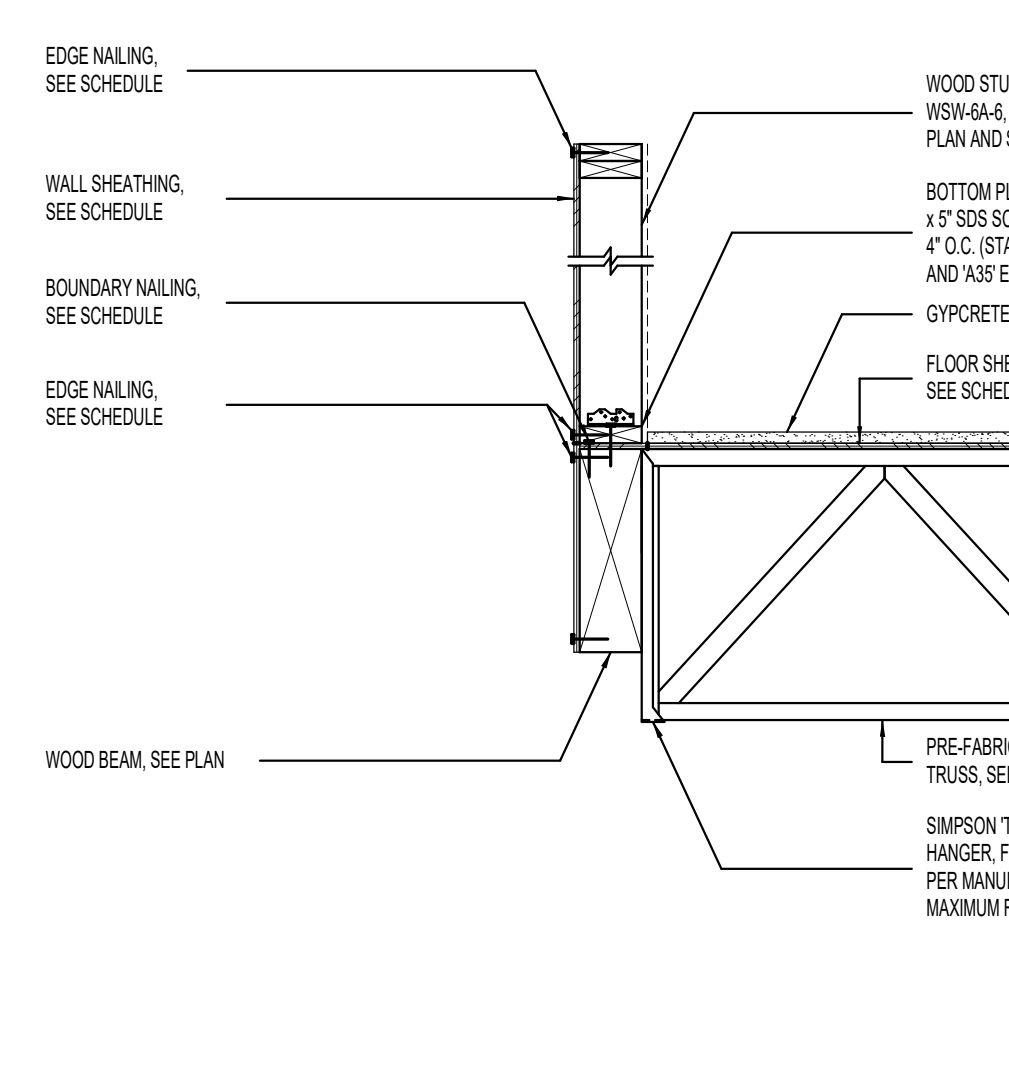
14 WOOD TRUSS BEARING AT FIRE RATED WOOD STUD WALL



3 DECK BEARING AT EXTERIOR WOOD STUD WALL



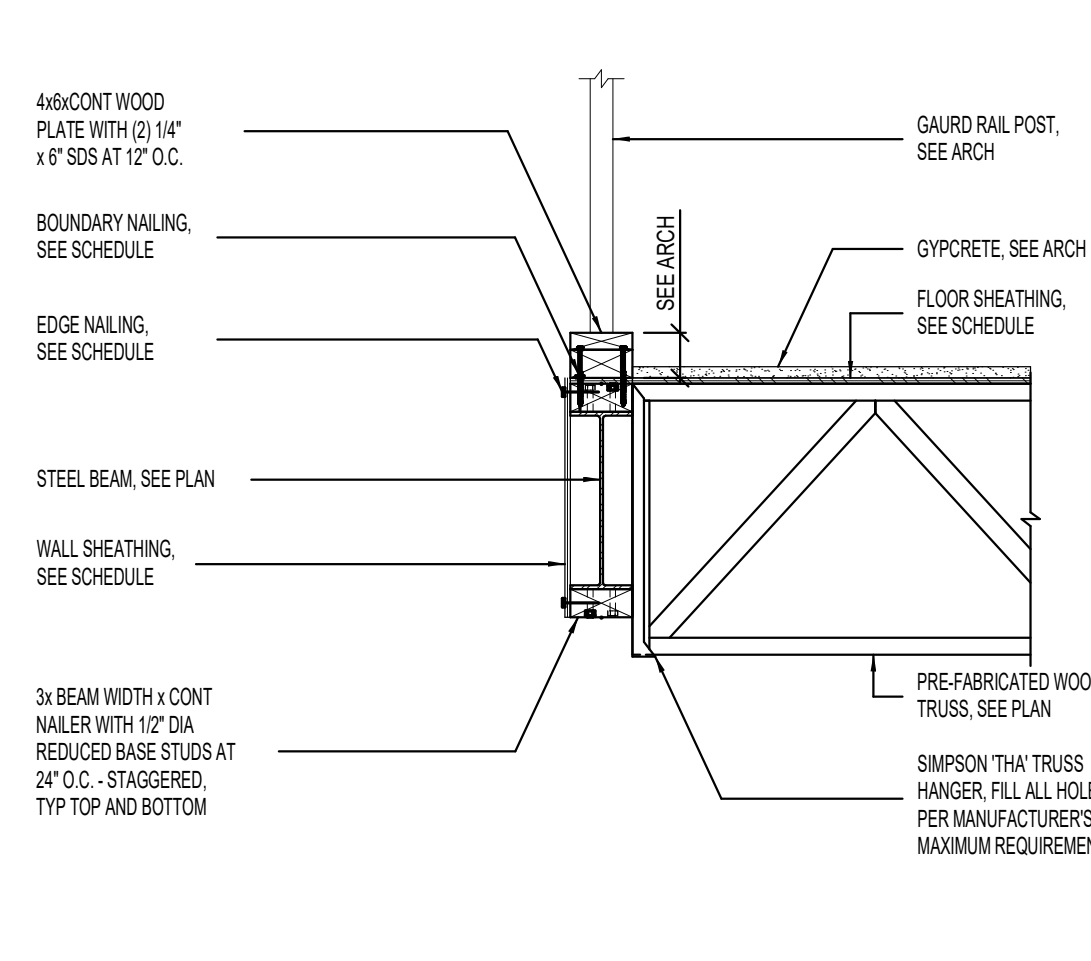
9 WOOD TRUSS BEARING AT EXTERIOR STEEL BEAM



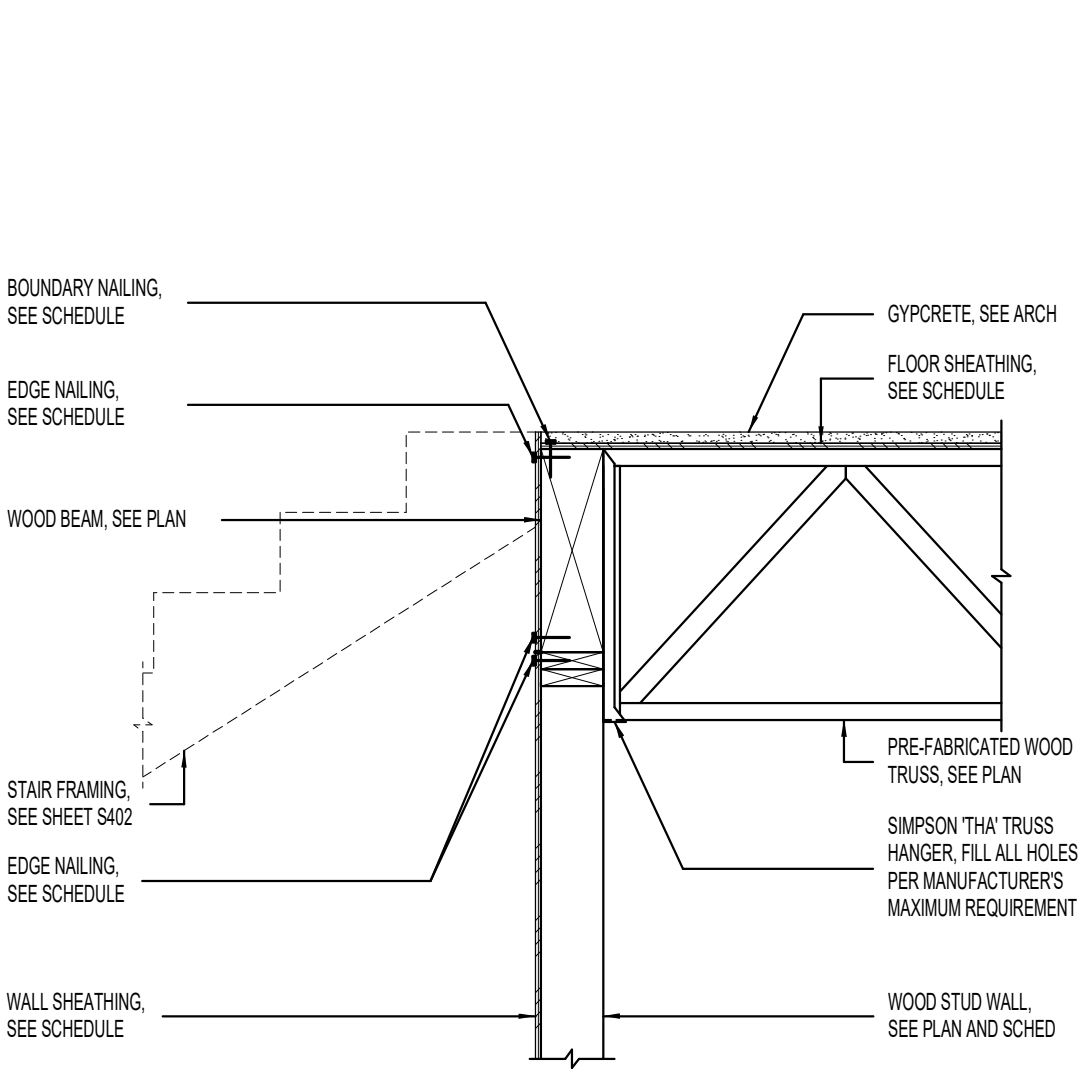
15 WOOD TRUSS BEARING AT INTERIOR WOOD BEAM



4 WOOD TRUSSES BEARING ON INTERIOR WOOD STUD WALL



10 WOOD TRUSS BEARING AT INTERIOR STEEL BEAM

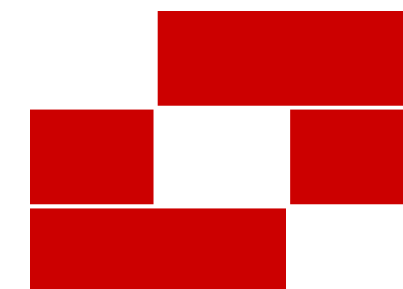


13 WOOD JOIST BEARING ON EXTERIOR WOOD STUD WALL - WITH WOOD GIRT



17 EYEBROW ROOF FRAMING AT EXTERIOR WOOD STUD WALL

18 BEAM TO WALL CONNECTION



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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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Consultant



BHB STRUCTURAL
2760 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

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COMMUNITY SCHOOL

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SCHOOL CAMPUS

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Revisions

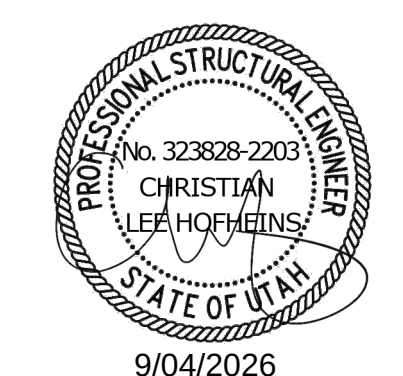
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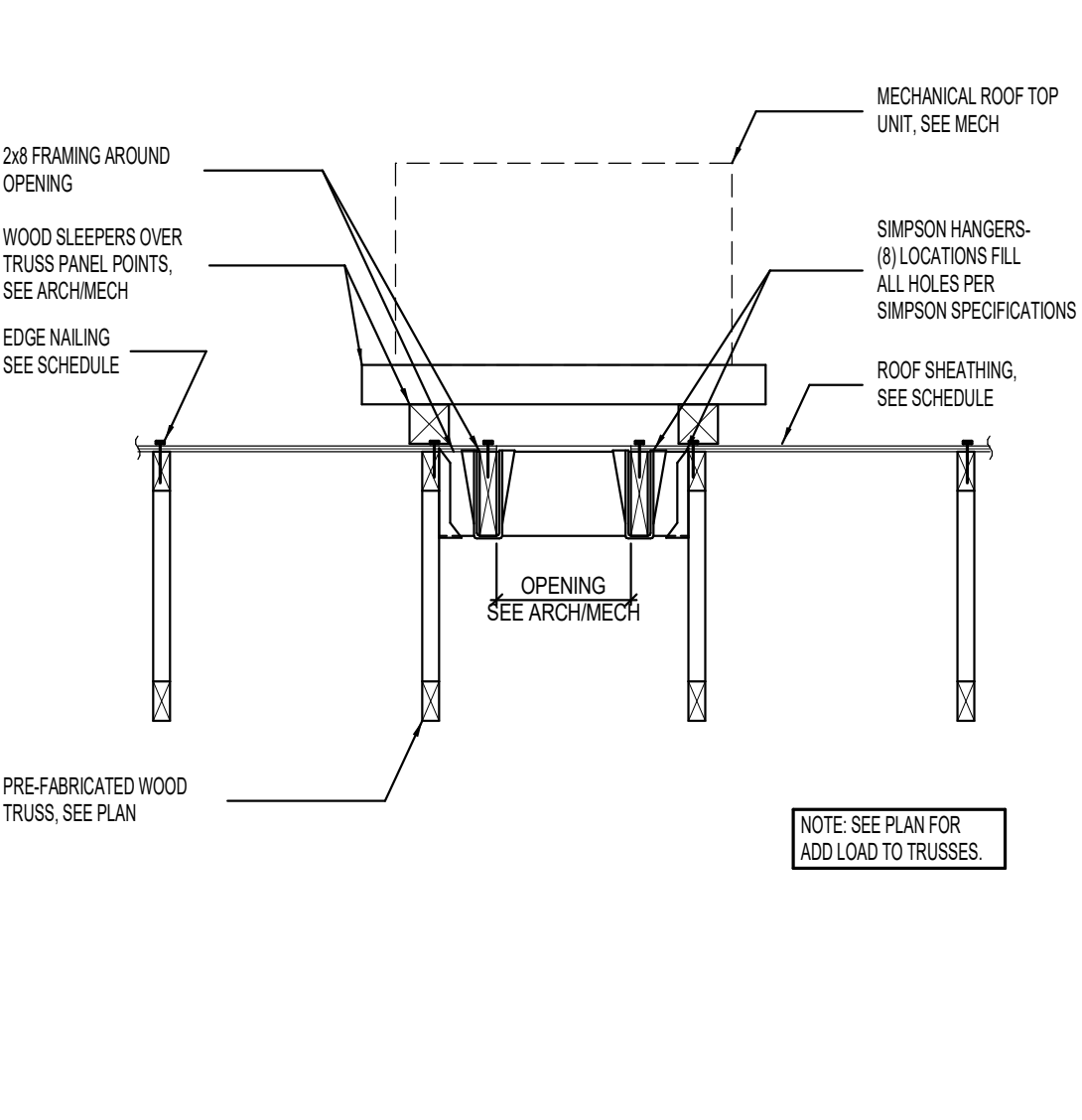
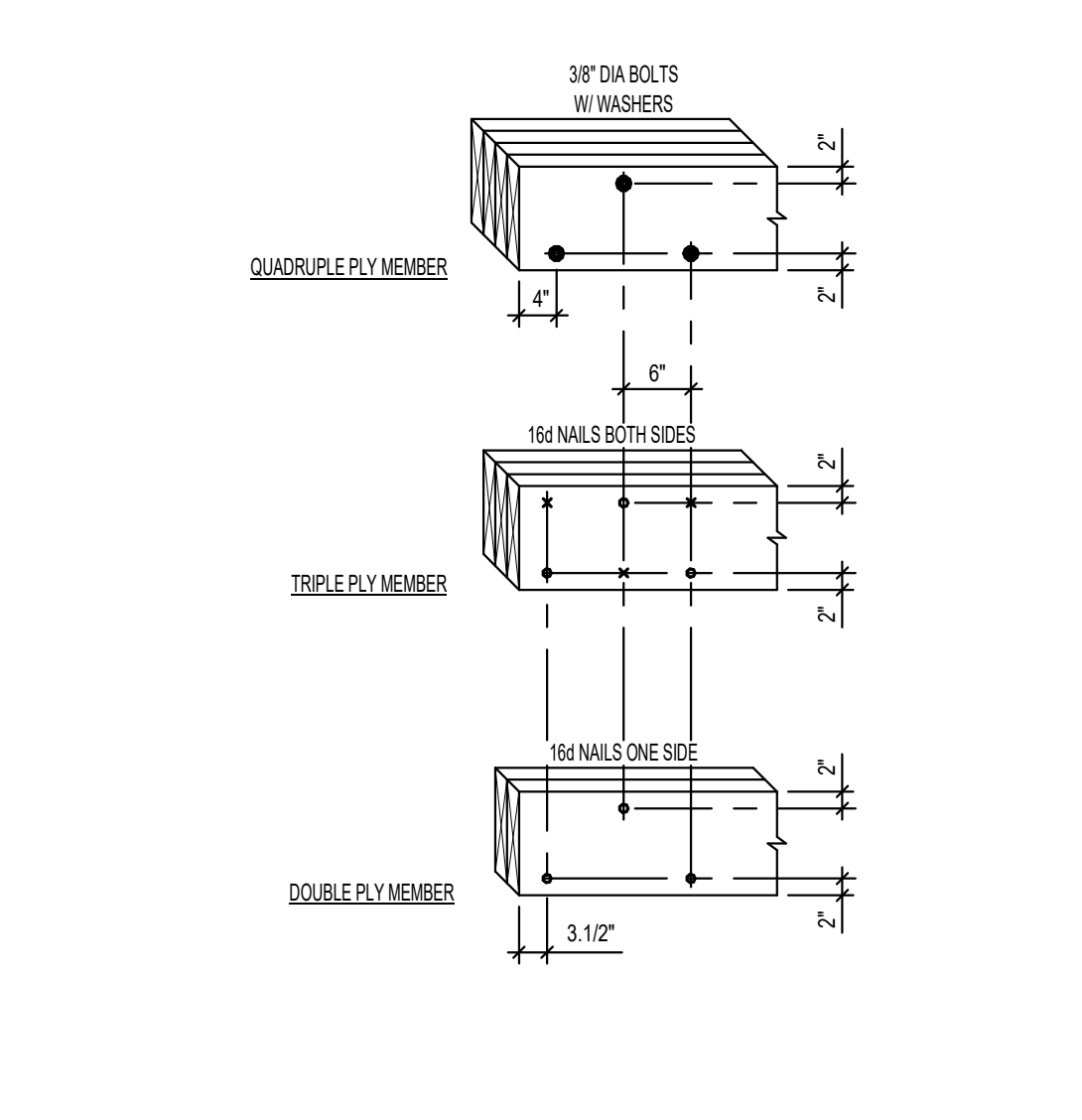
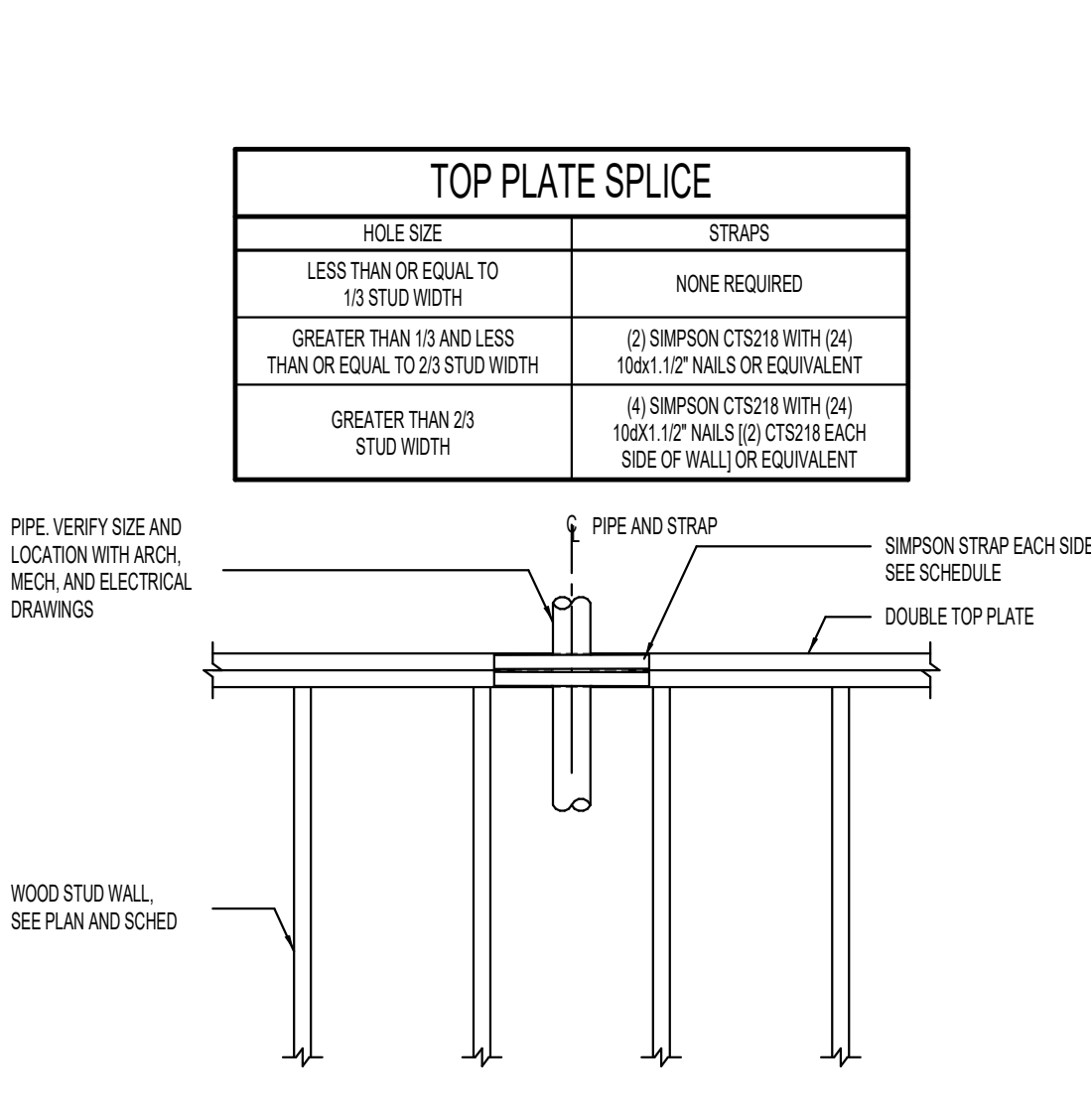
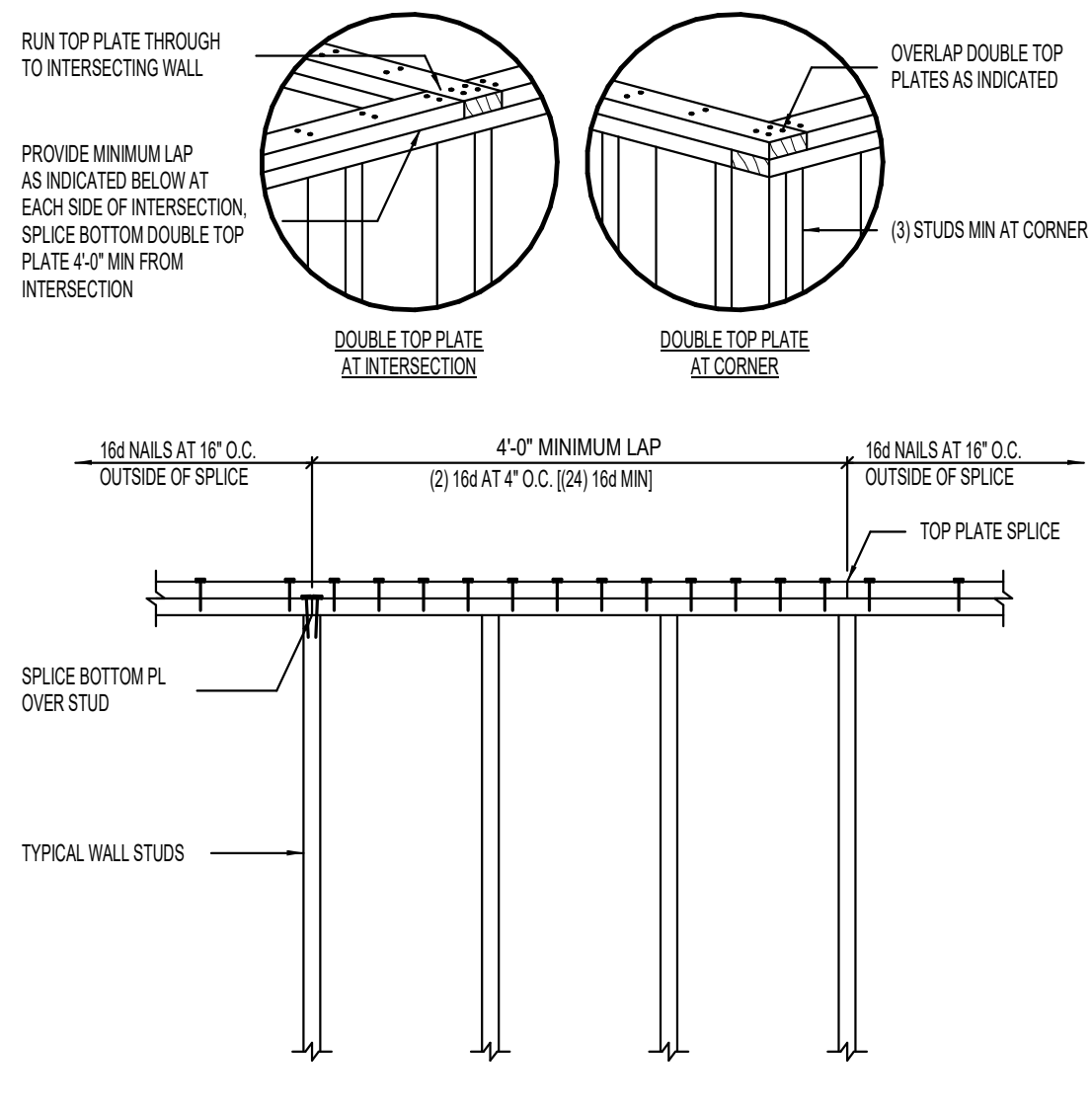
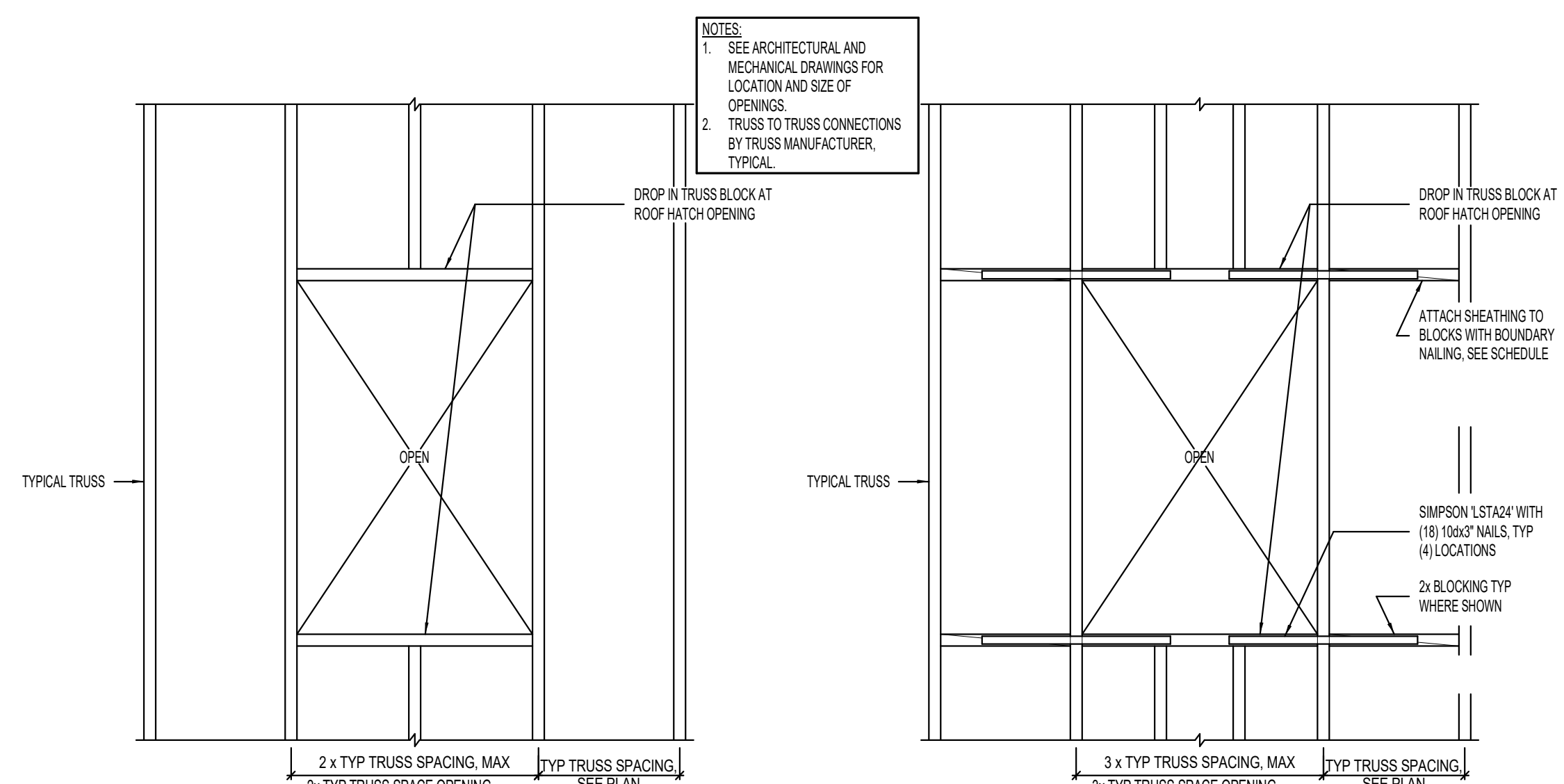


Sheet Title

DETAILS

Sheet Number

S511



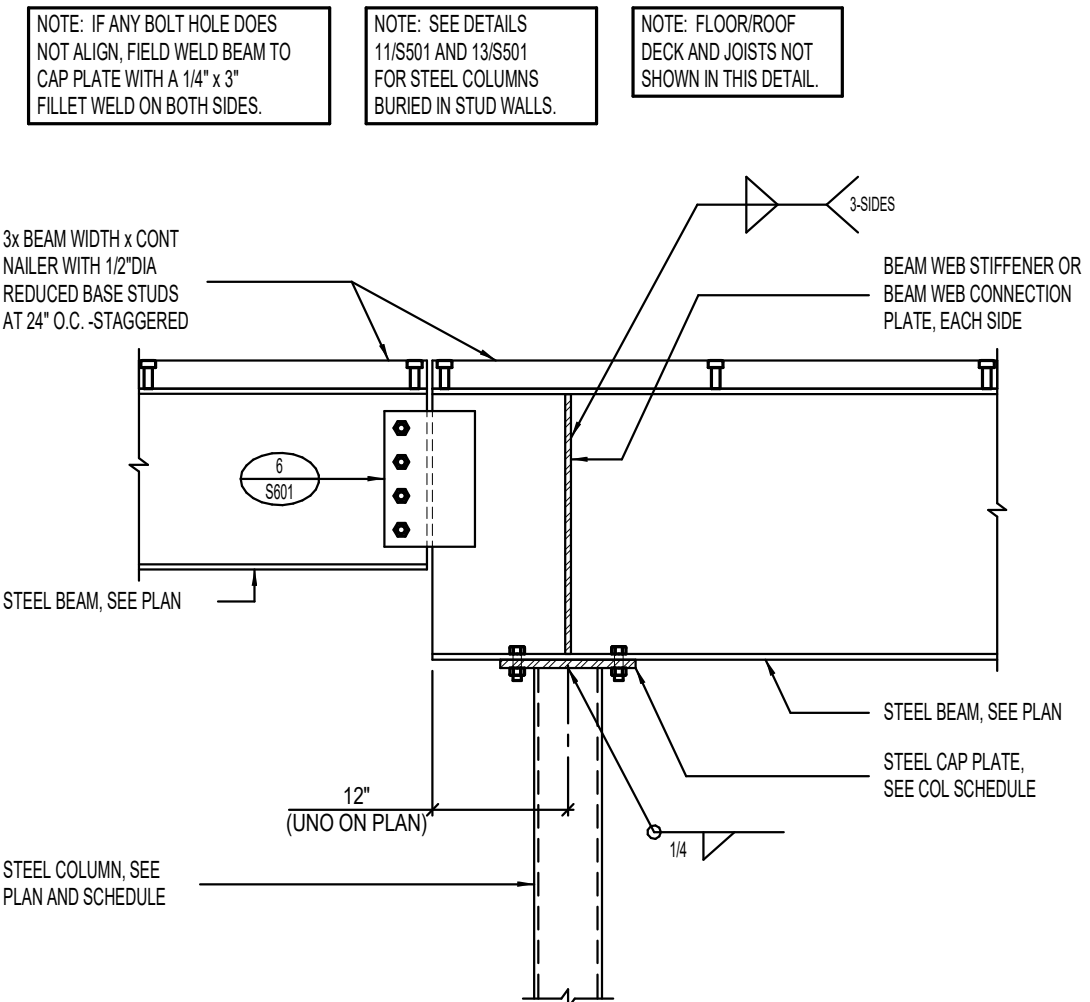
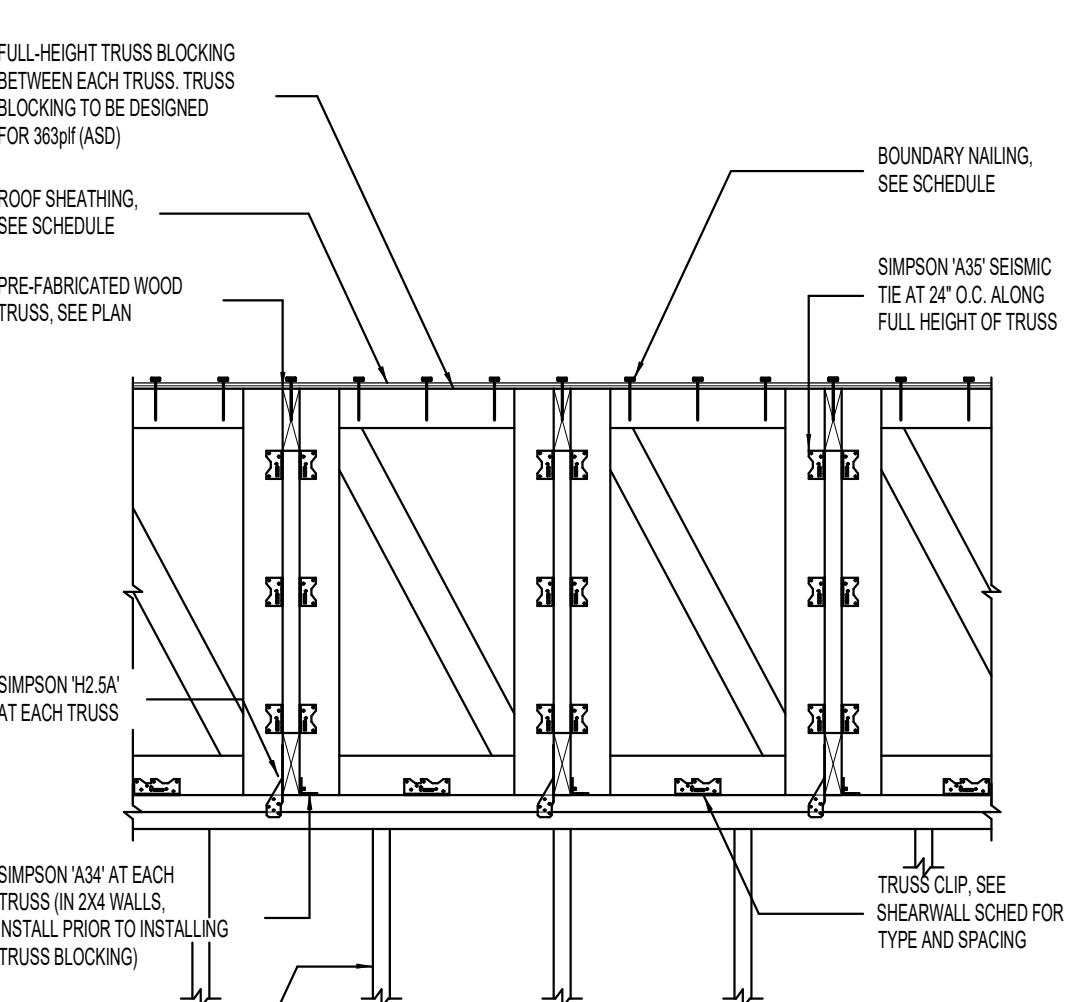
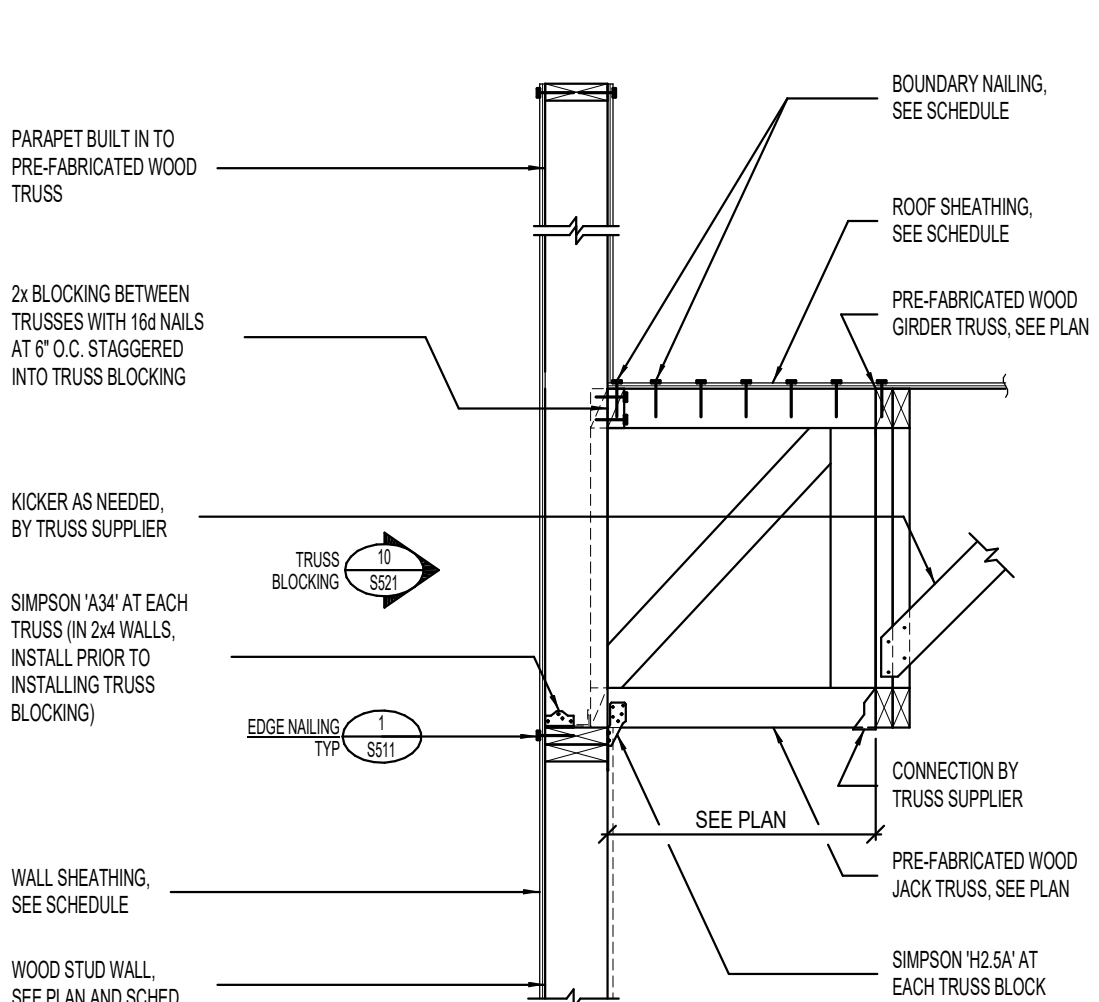
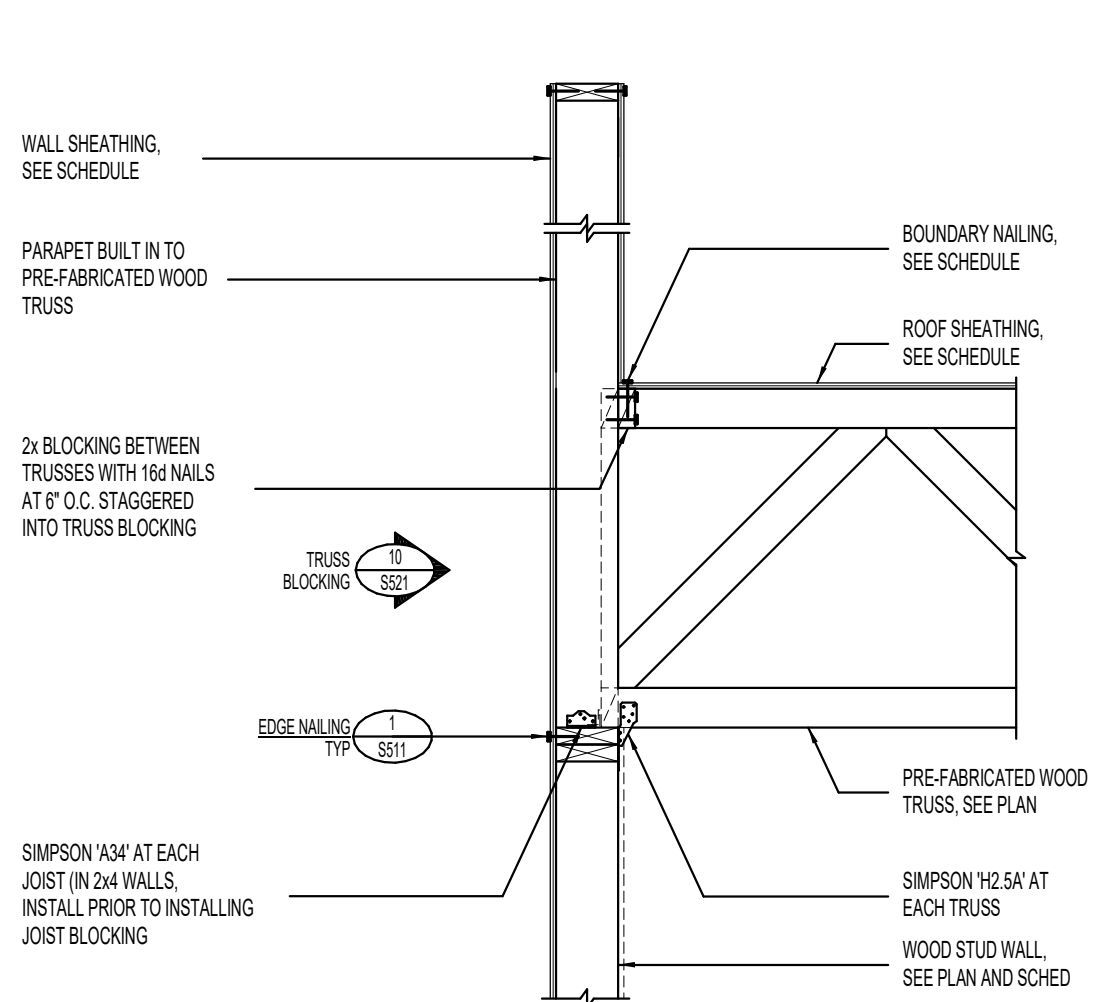
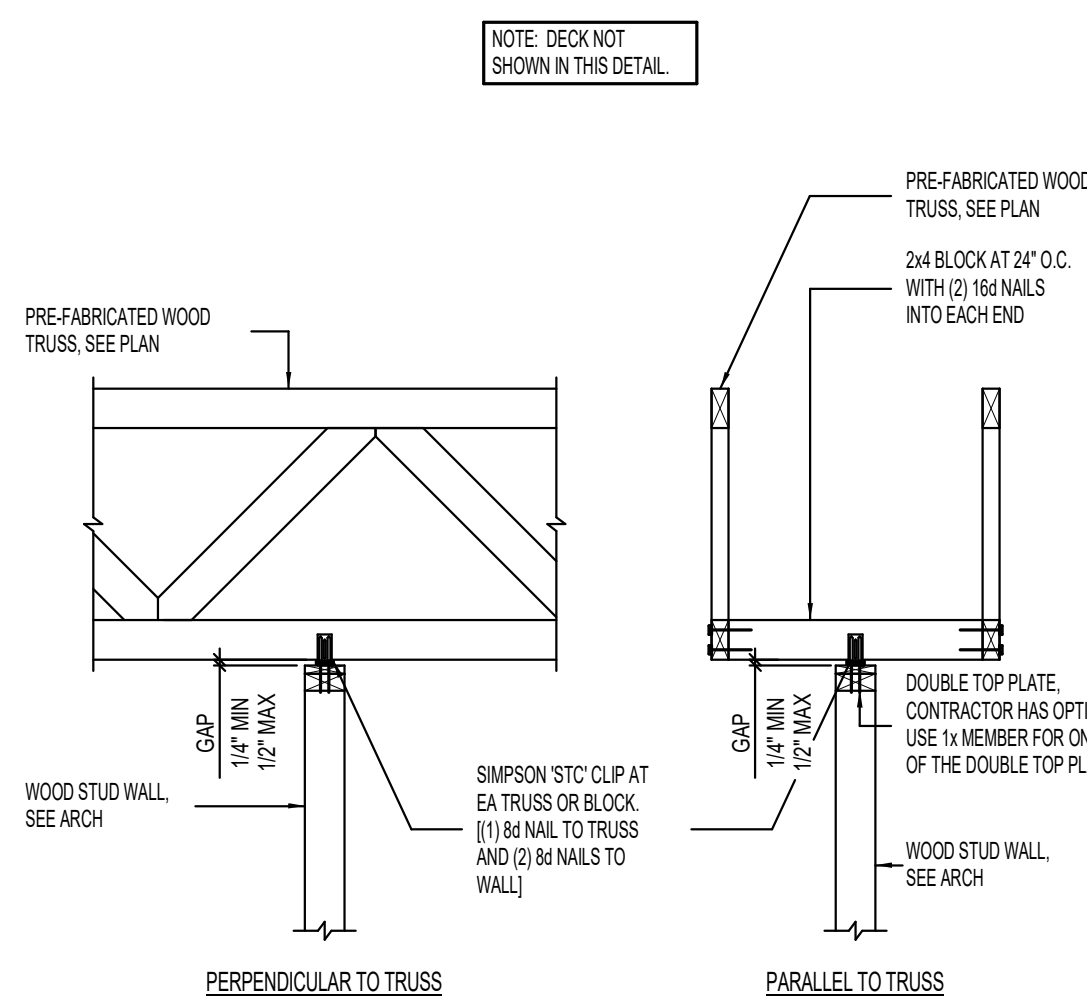
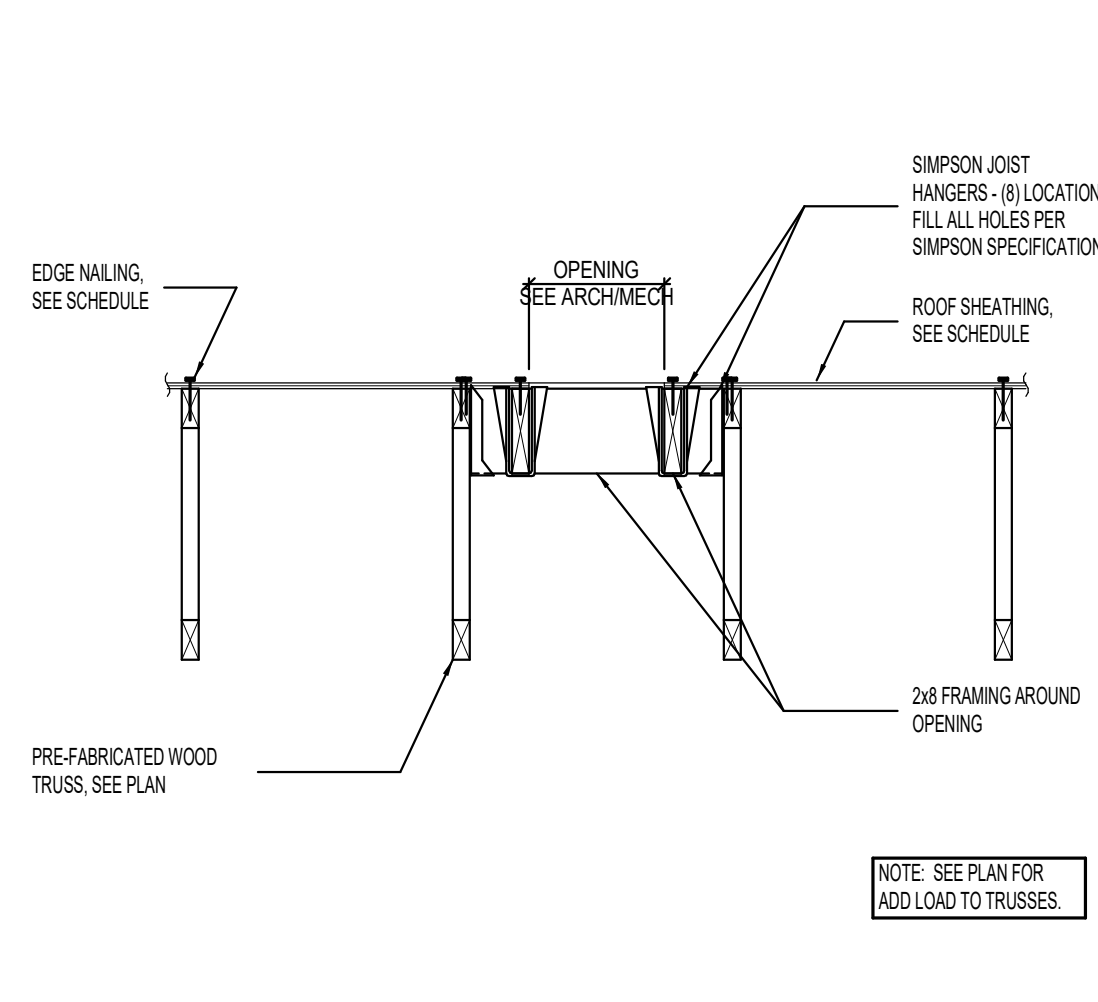
1 TRUSS FRAMING AT FLOOR AND ROOF OPENINGS [PLAN VIEW] NO SCALE

2 TYPICAL TOP PLATE SPLICE DETAIL NO SCALE

3 TOP PLATE SPLICE SCHEDULE AT PIPE NO SCALE

4 TYPICAL BUILT-UP WOOD MEMBER DETAIL NO SCALE

5 TYPICAL MECHANICAL UNIT SUPPORT DETAIL NO SCALE



6 TYPICAL ROOF OPENING DETAIL NO SCALE

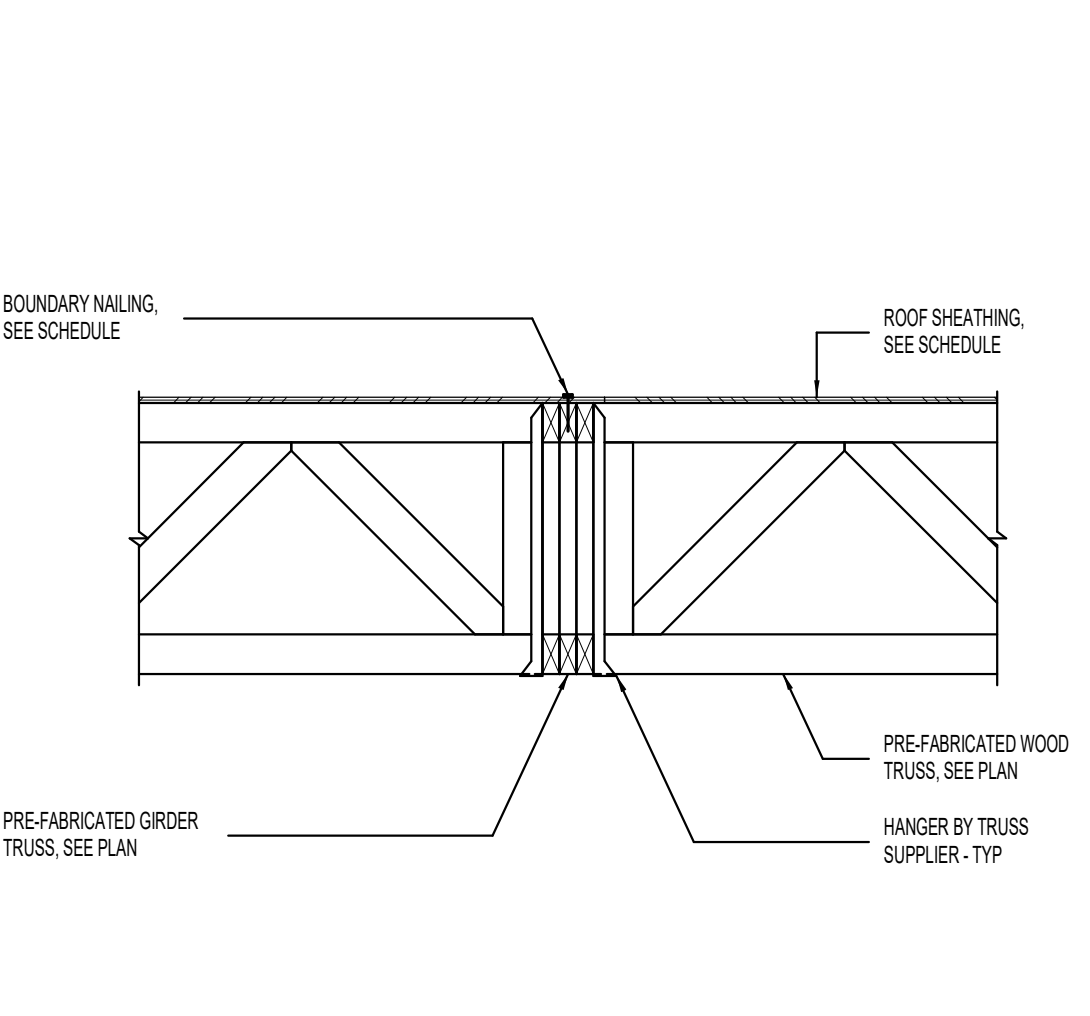
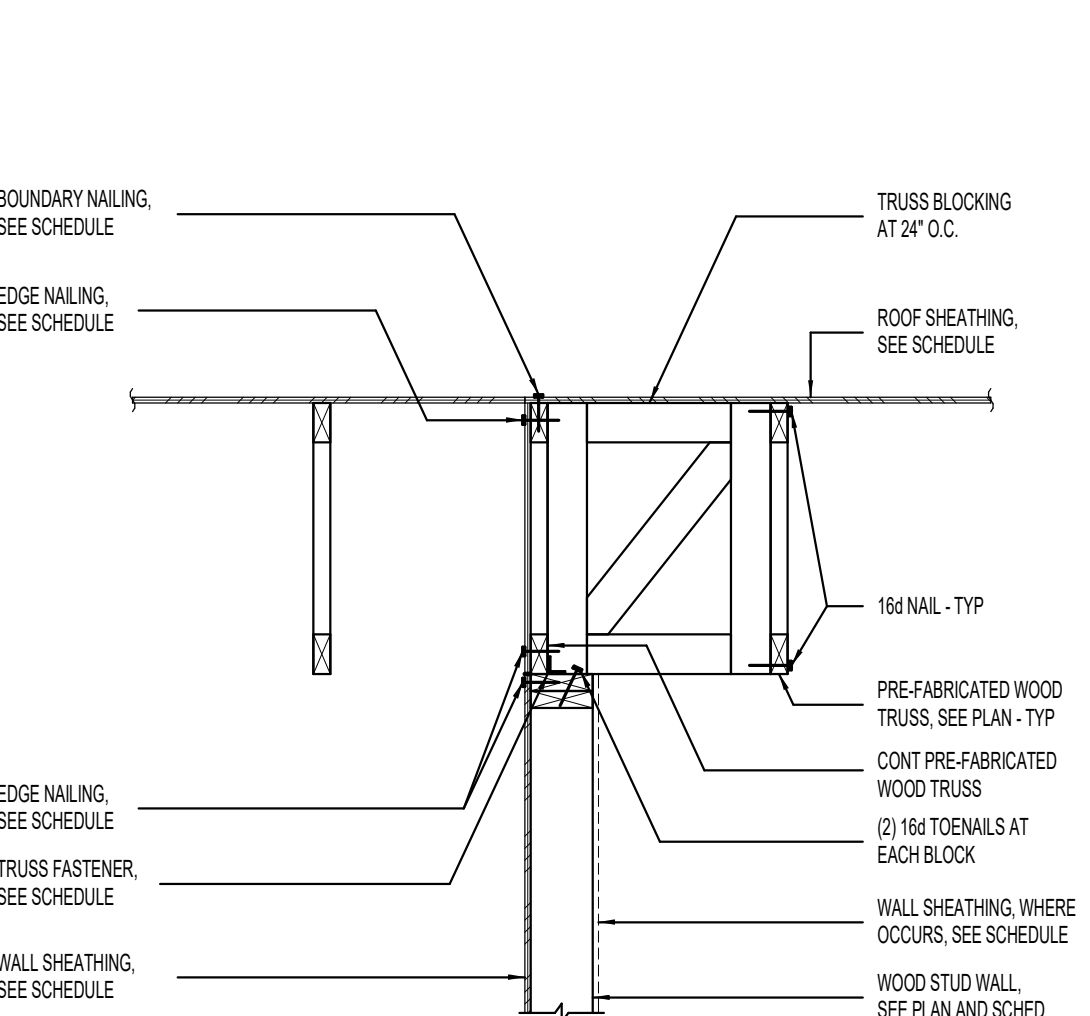
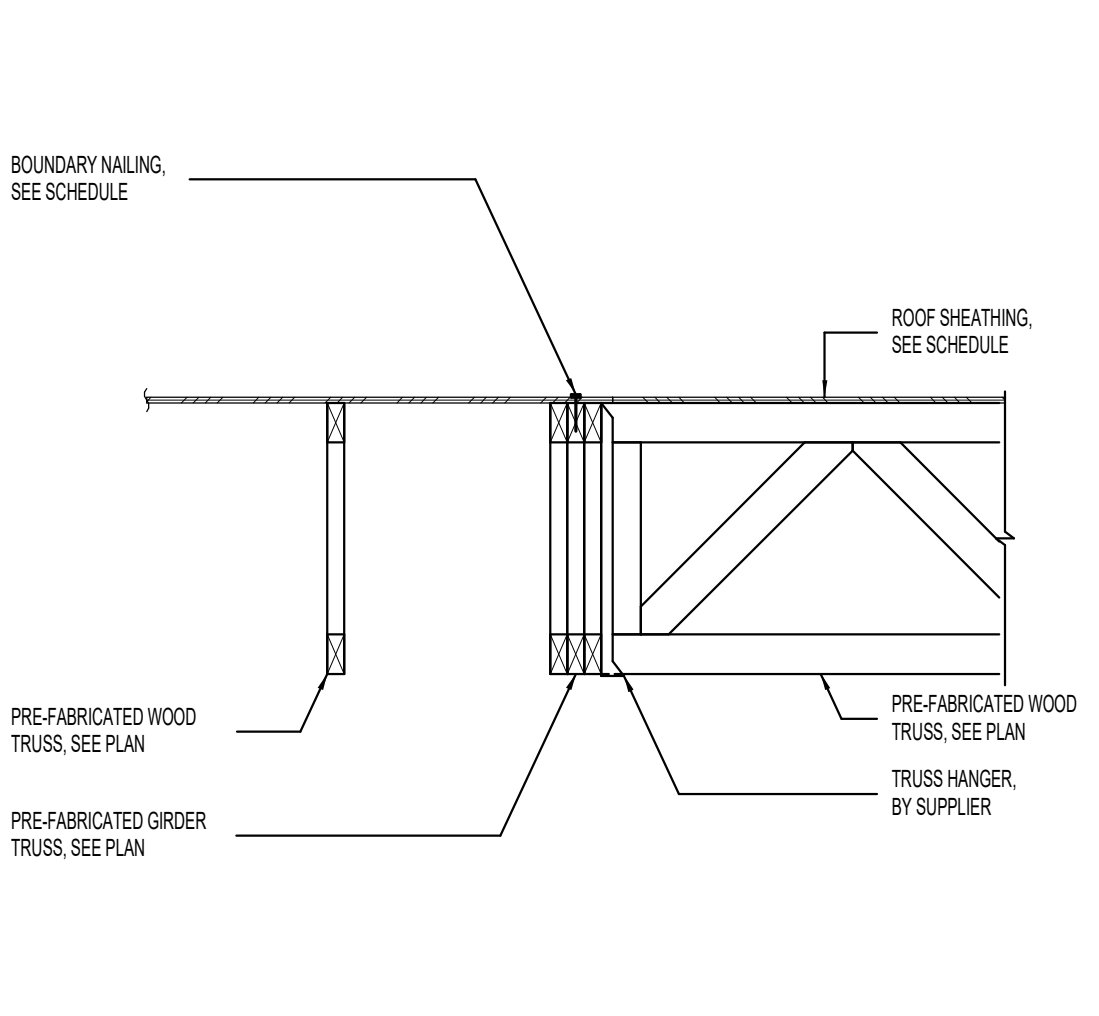
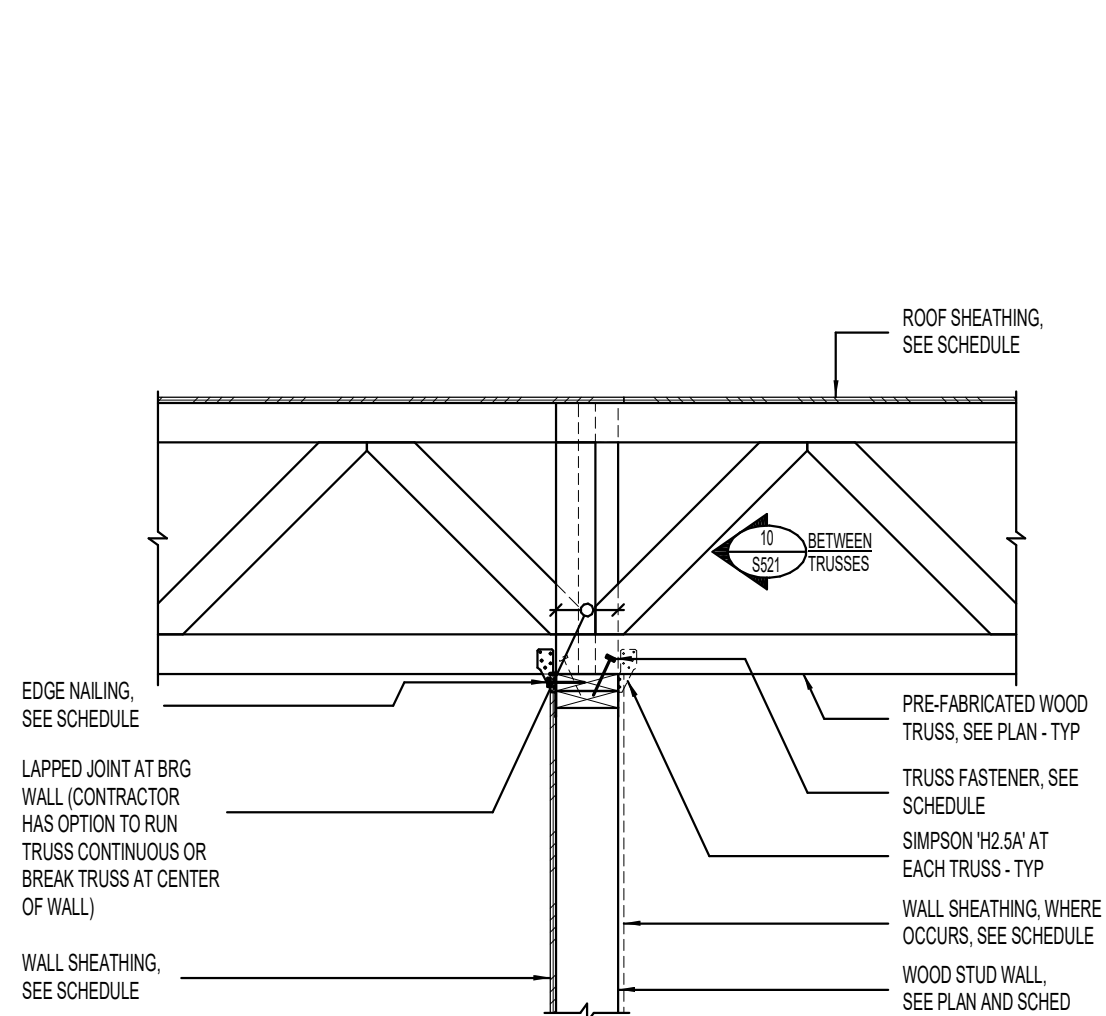
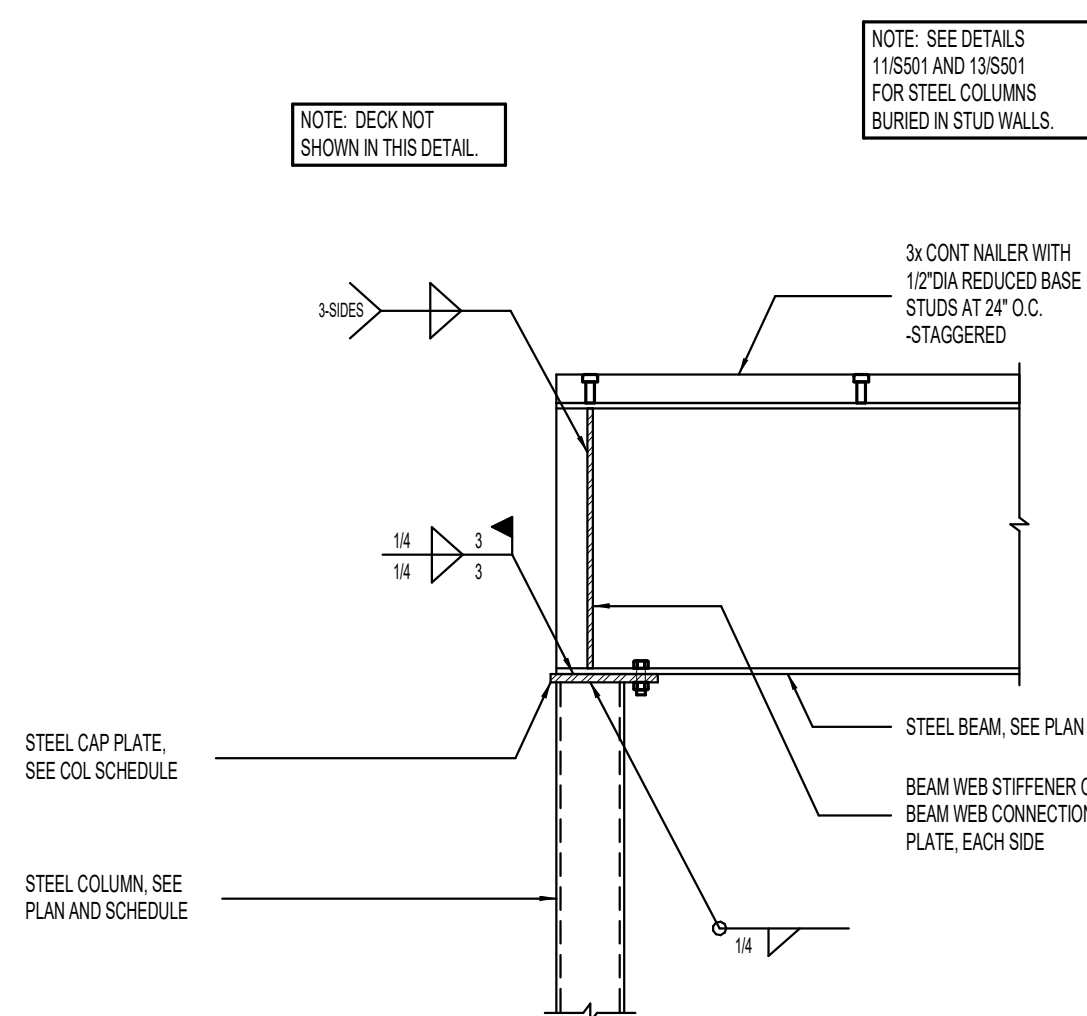
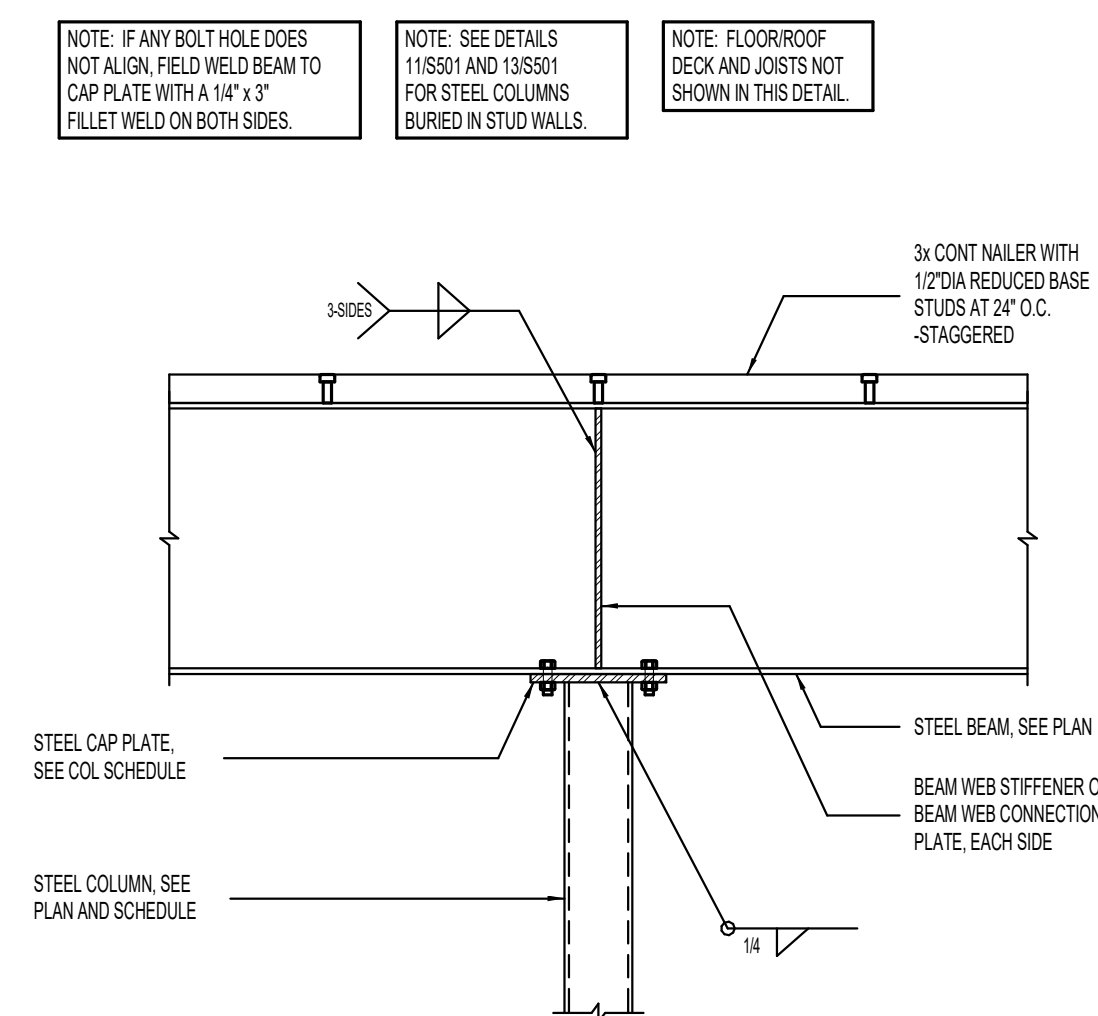
7 TYPICAL INTERIOR NON-BEARING WALL BRACING NO SCALE

8 TYPICAL TRUSS BEARING ON WOOD STUD WALL [TRUSS PERPENDICULAR TO WALL] NO SCALE

9 TYPICAL TRUSS BLOCKING BEARING ON WOOD STUD WALL [TRUSS PARALLEL TO WALL] NO SCALE

10 TYPICAL TRUSS BLOCKING ELEVATION NO SCALE

11 TYPICAL DROP-IN STEEL BEAM CONNECTION AT STEEL COLUMN NO SCALE



12 TYPICAL CONTINUOUS STEEL BEAM BEARING AT STEEL COLUMN NO SCALE

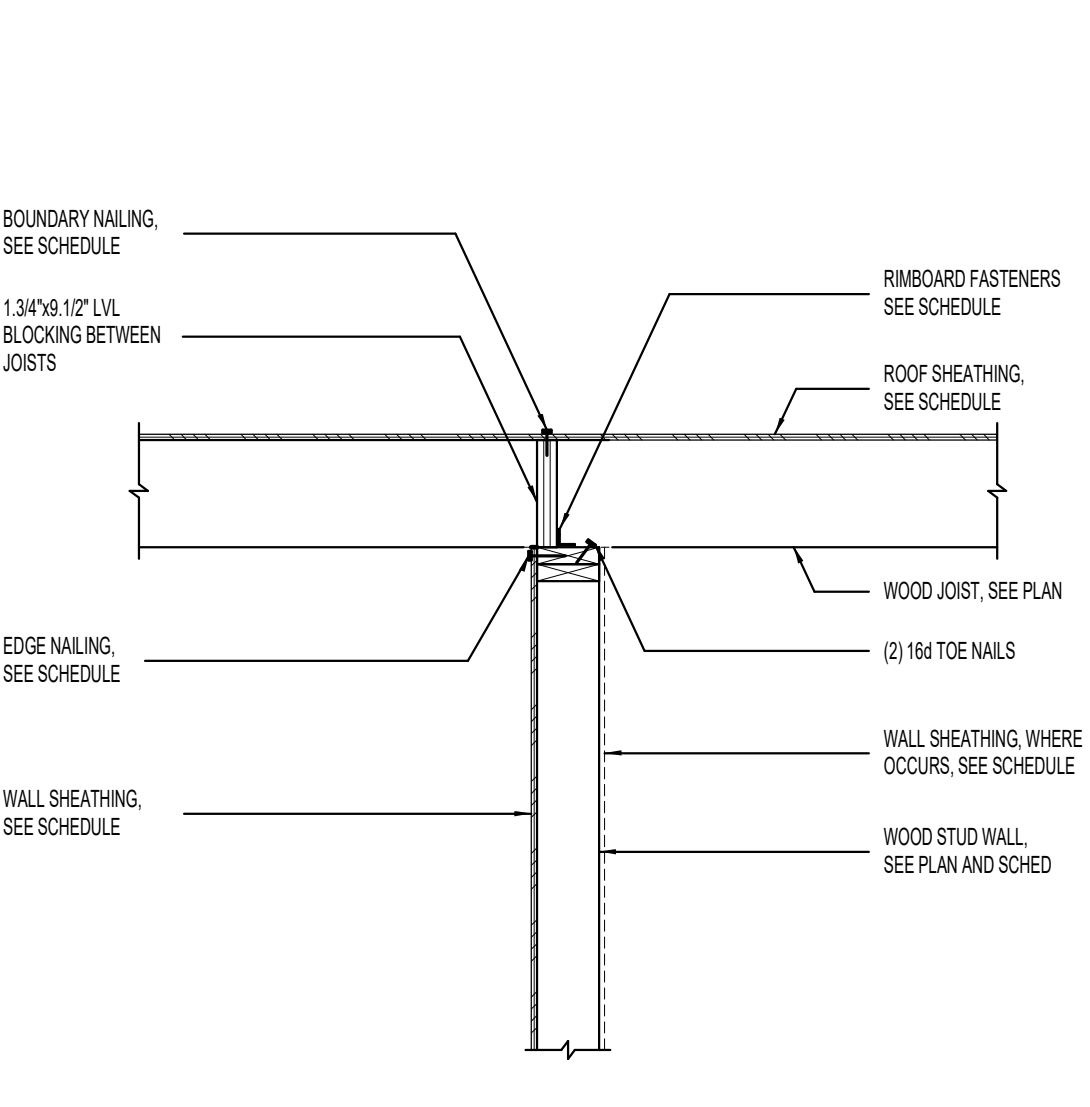
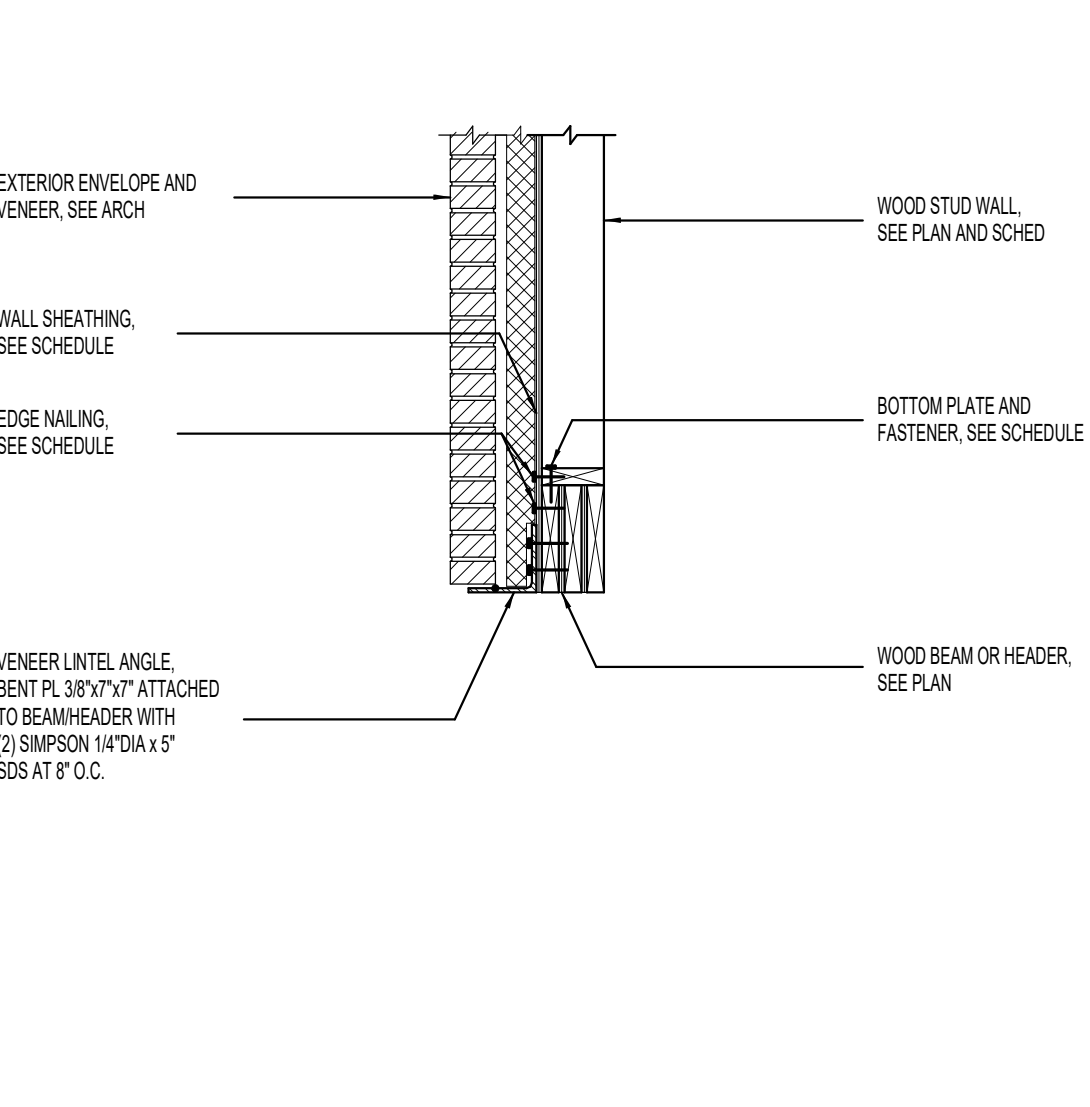
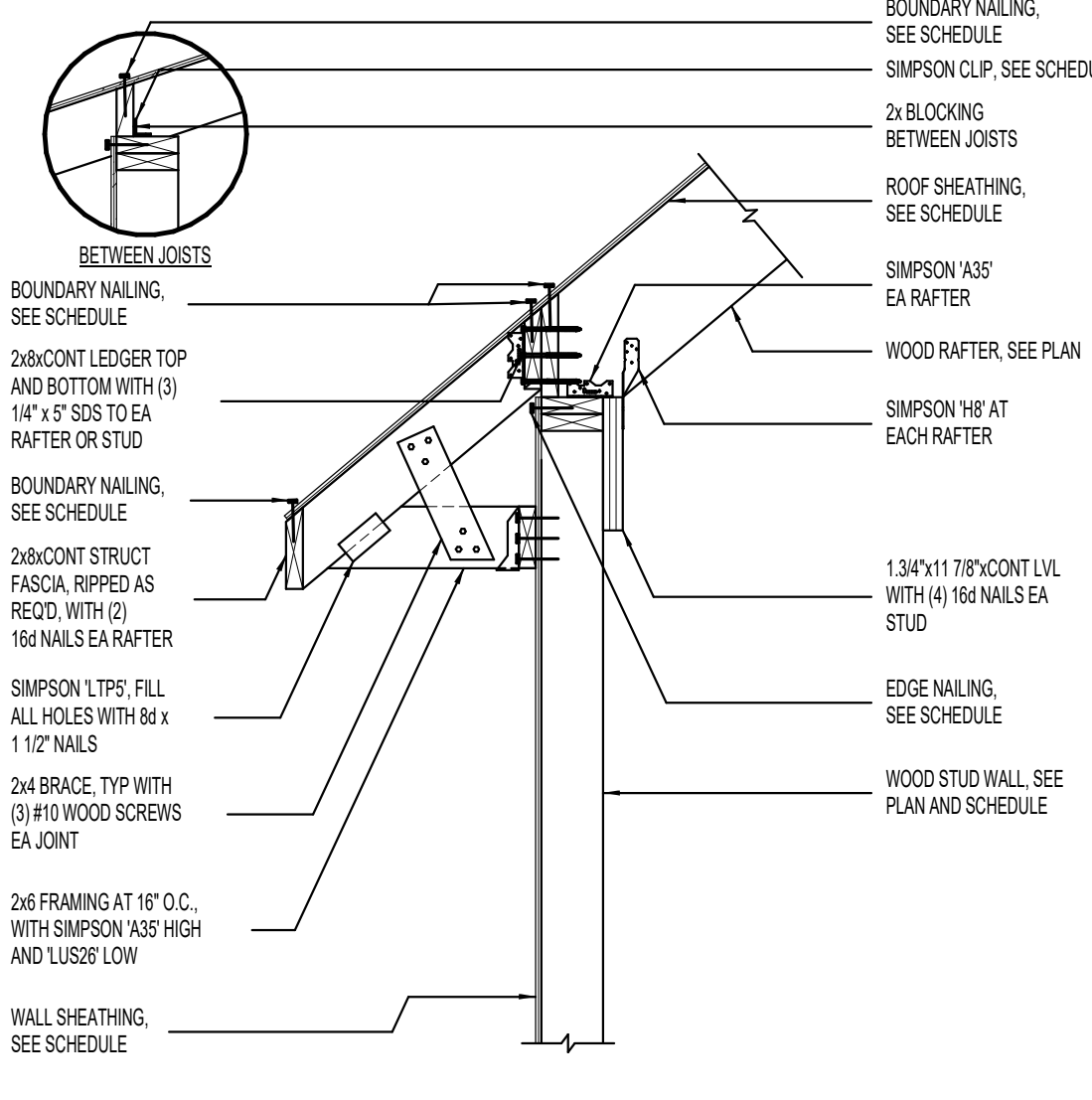
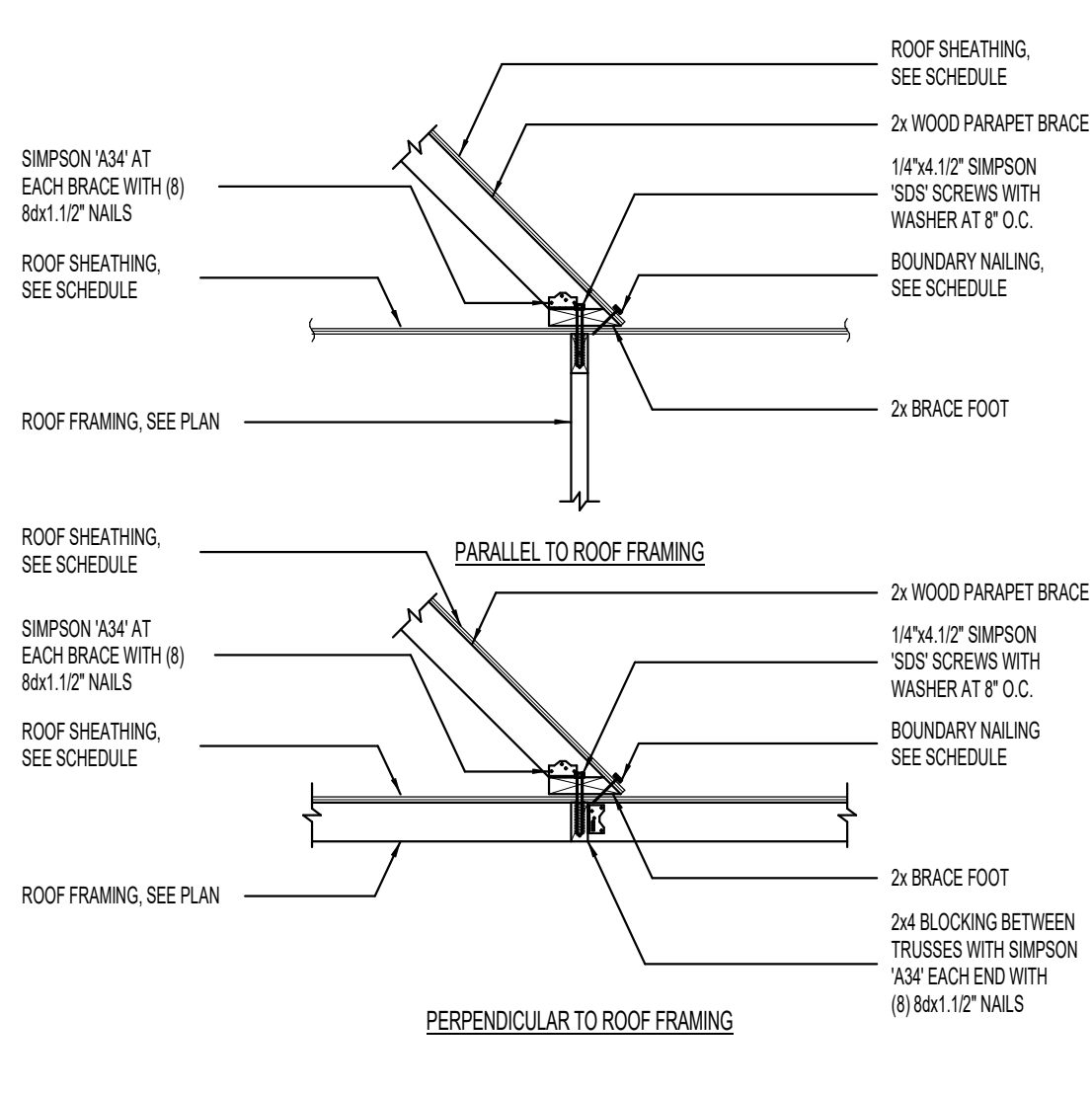
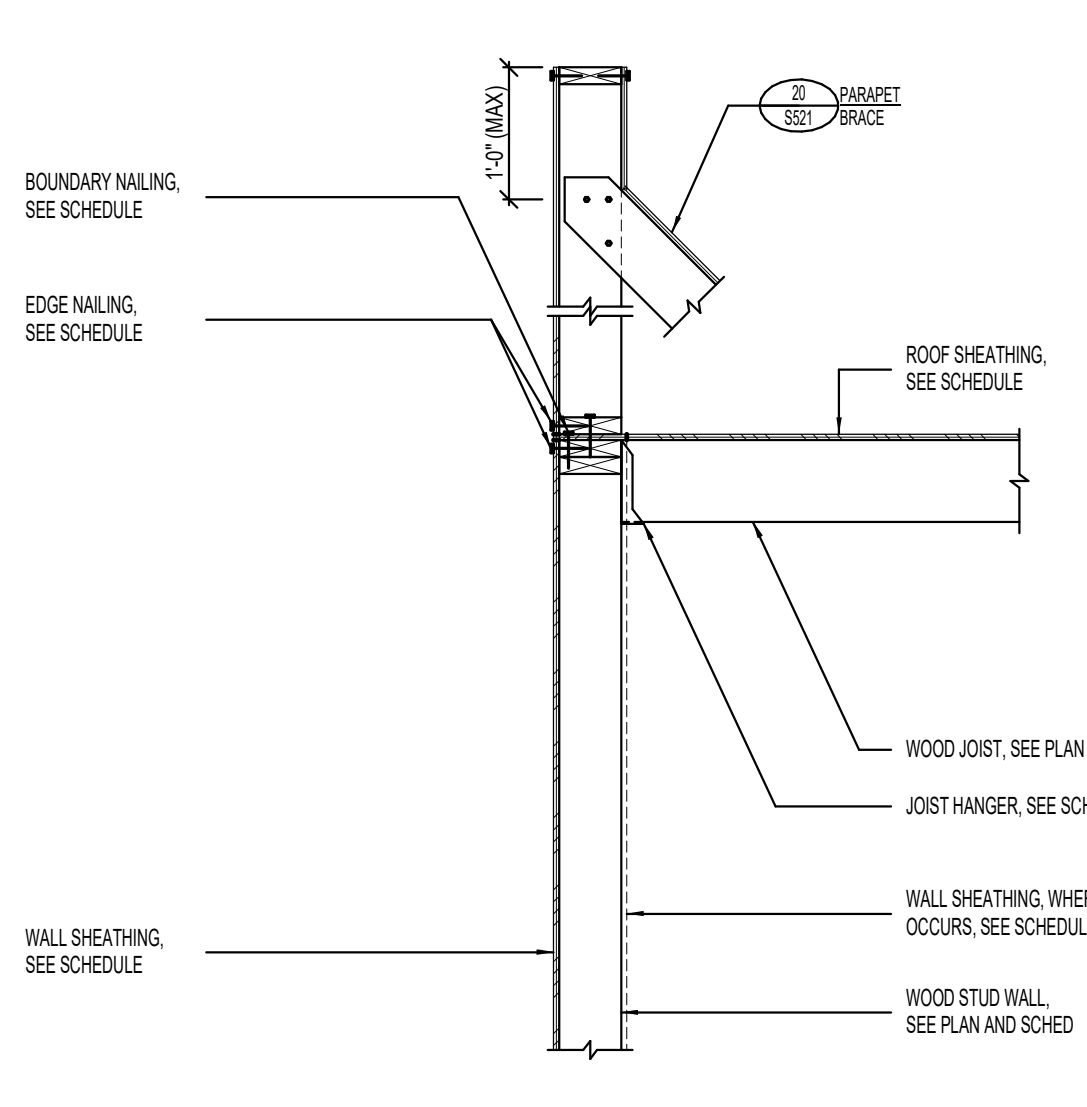
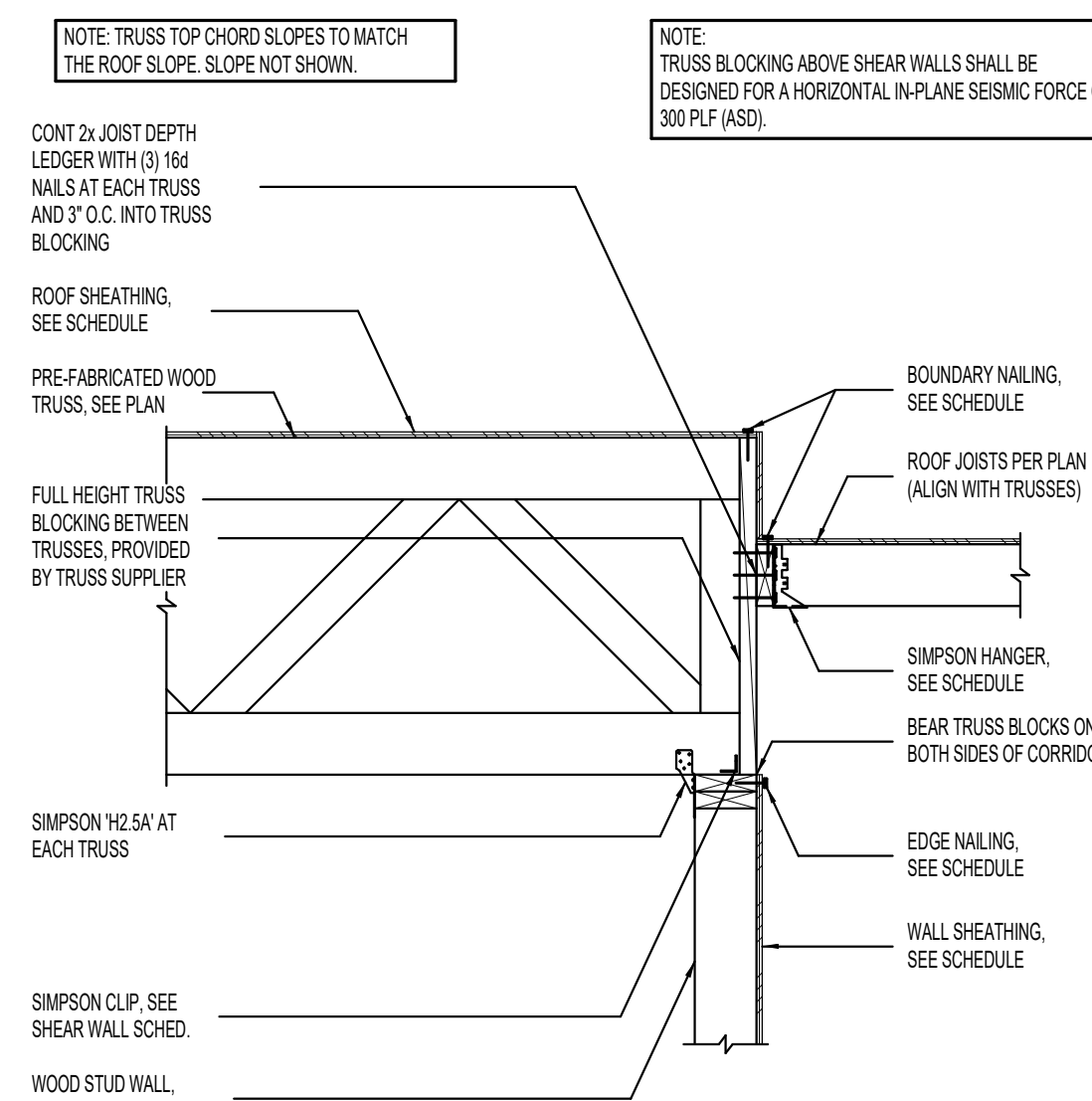
13 TYPICAL STEEL BEAM BEARING AT STEEL COLUMN NO SCALE

14 WOOD TRUSSES BEARING ON INTERIOR WOOD STUD WALL NO SCALE

15 GIRDER TRUSS/ROOF DECK BEARING AT INTERIOR GIRDER TRUSS NO SCALE

16 ROOF DECK BEARING AT INTERIOR WOOD STUD WALL NO SCALE

17 WOOD TRUSSES BEARING AT GIRDER TRUSS NO SCALE



18 TYPICAL CORRIDOR DETAIL NO SCALE

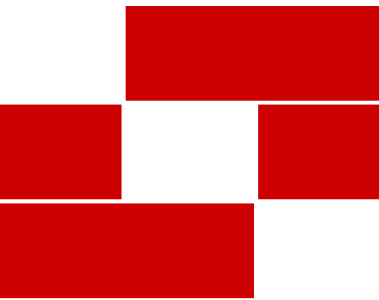
19 WOOD JOIST BEARING AT EXTERIOR WOOD STUD WALL WITH PARAPET NO SCALE

20 PARAPET BRACE CONNECTIONS TO ROOF NO SCALE

21 TYPICAL WOOD STUD WALL SECTION AT ROOF EAVE NO SCALE

22 VENEER LEDGER ANGLE AT WOOD BEAM NO SCALE

23 JOIST BEARING AT WOOD STUD WALL NO SCALE



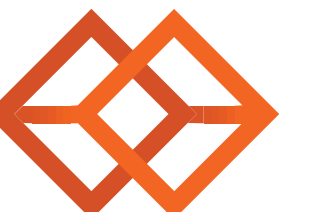
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2760 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

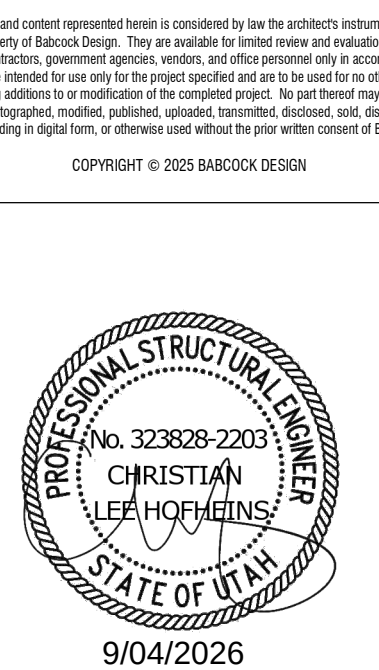
NEW CHARTER
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MAPLETON, UT

Revisions

Num. Description Date

Project Number 220430
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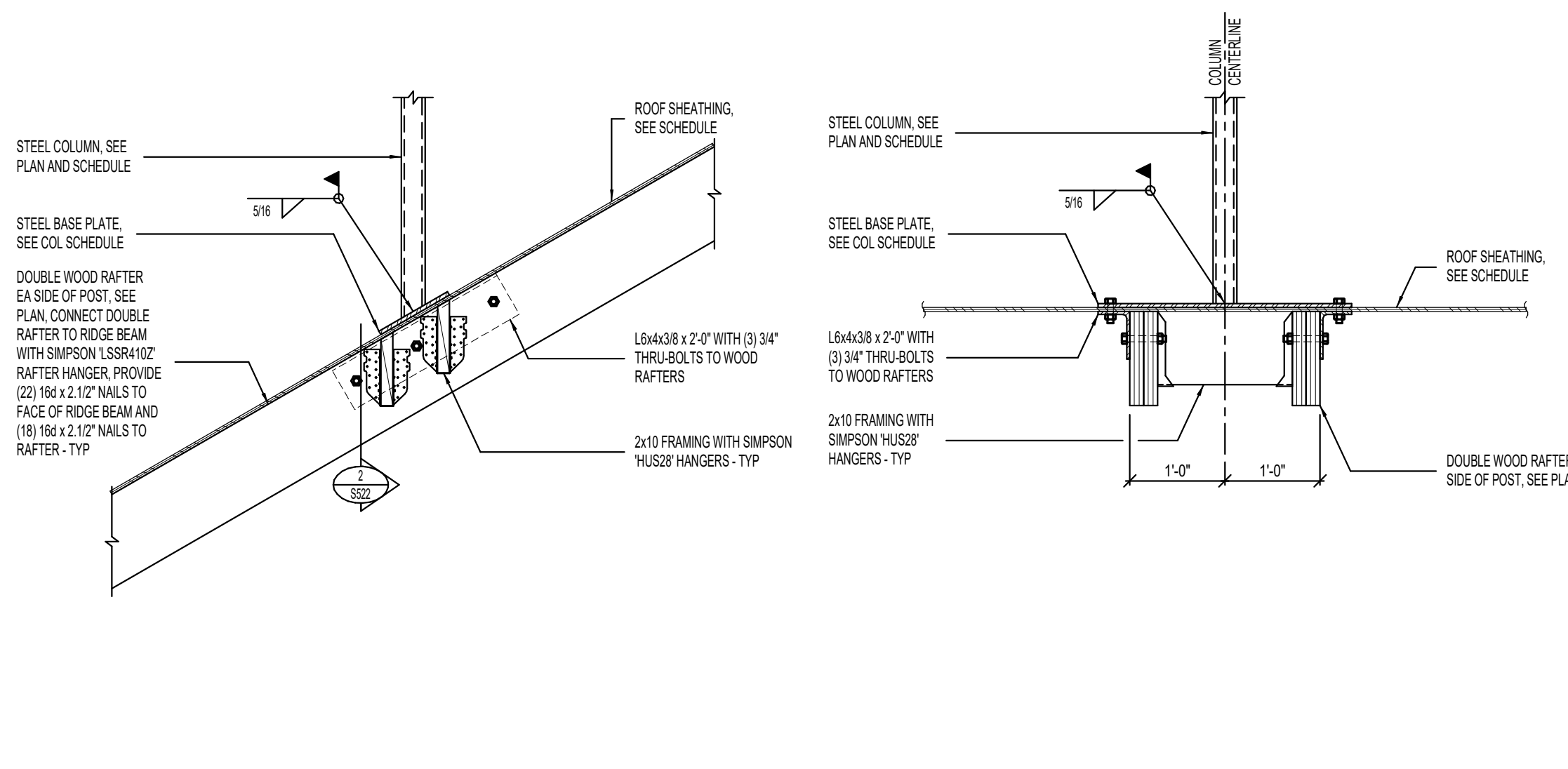


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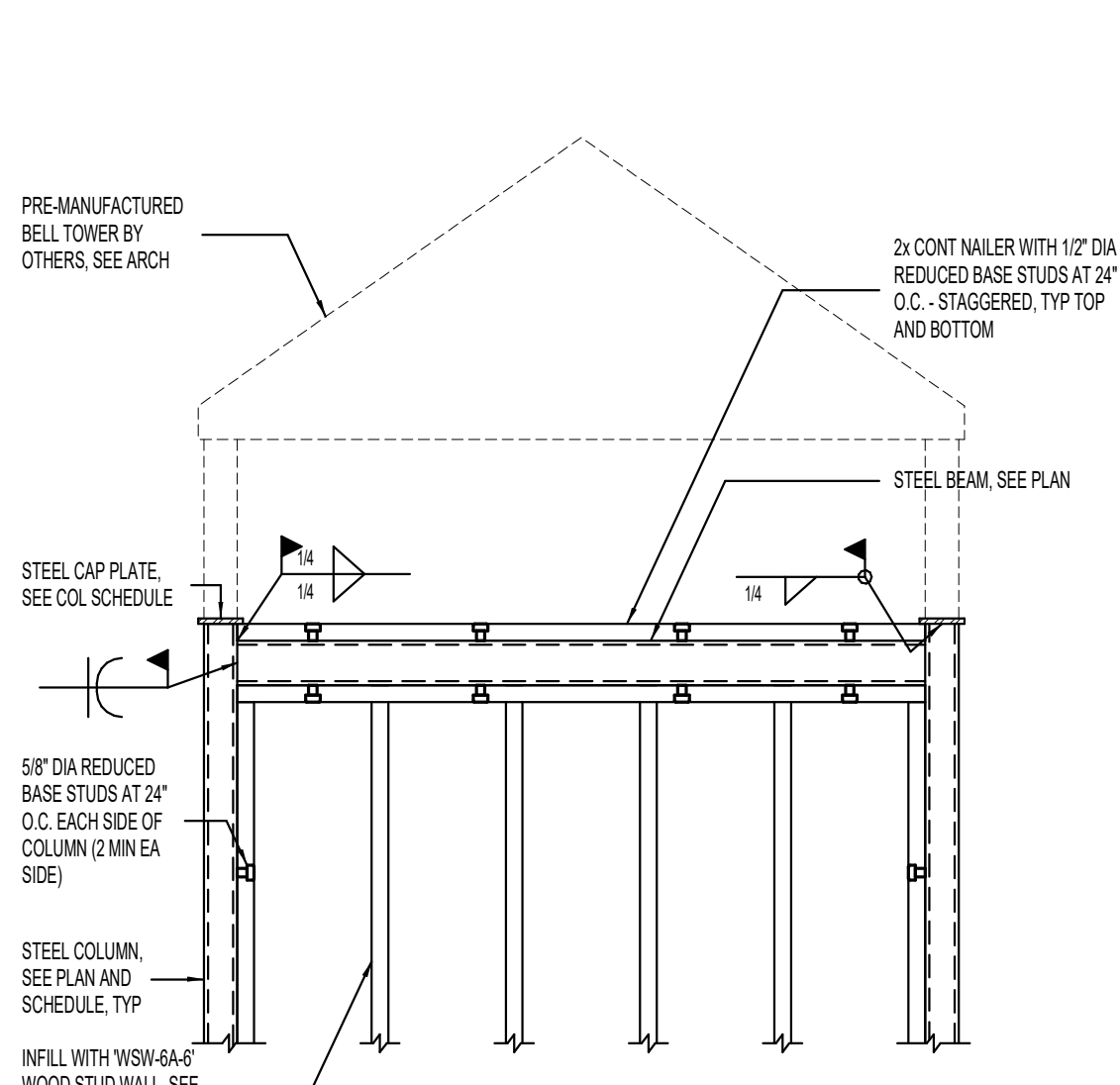
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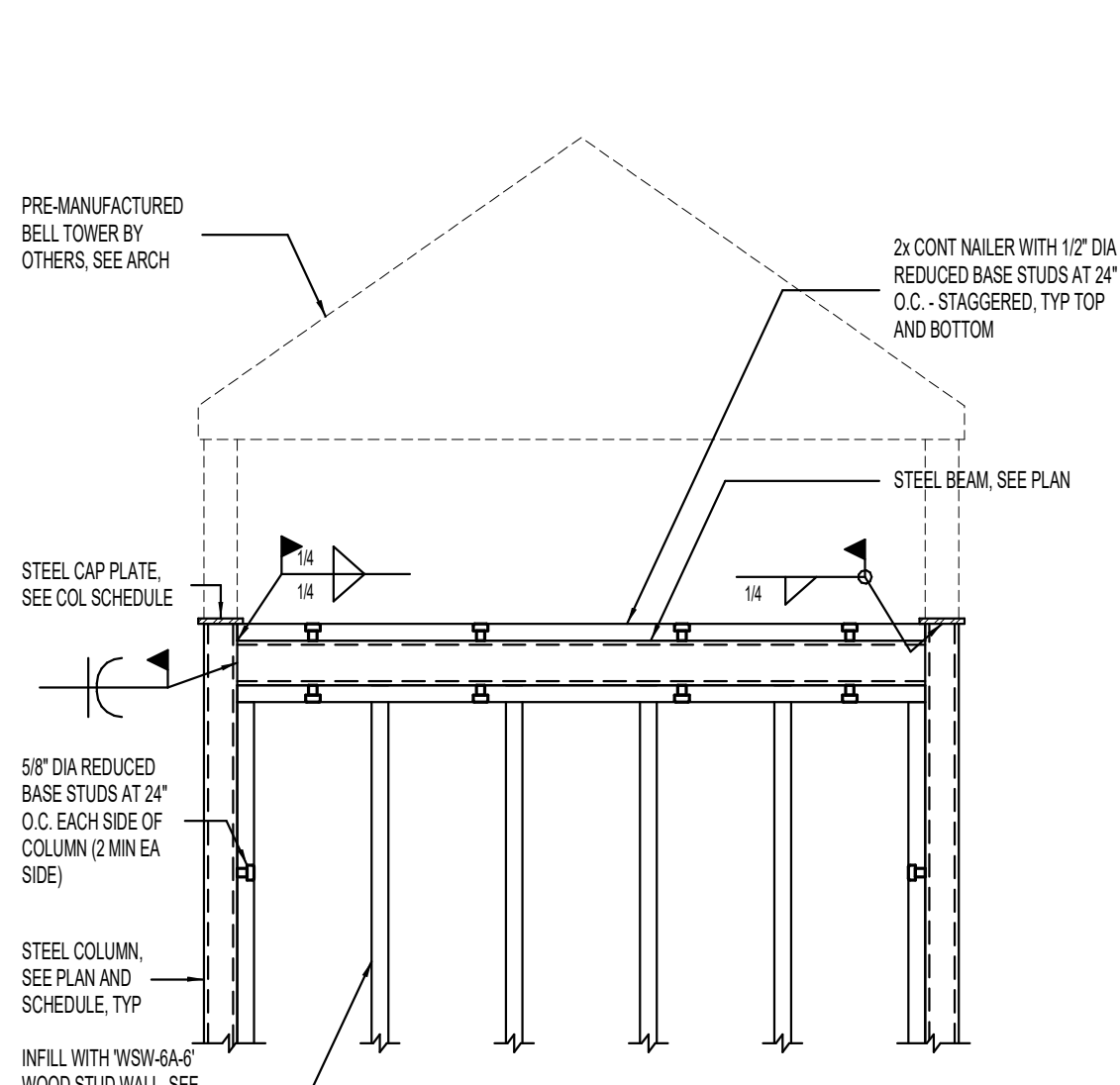
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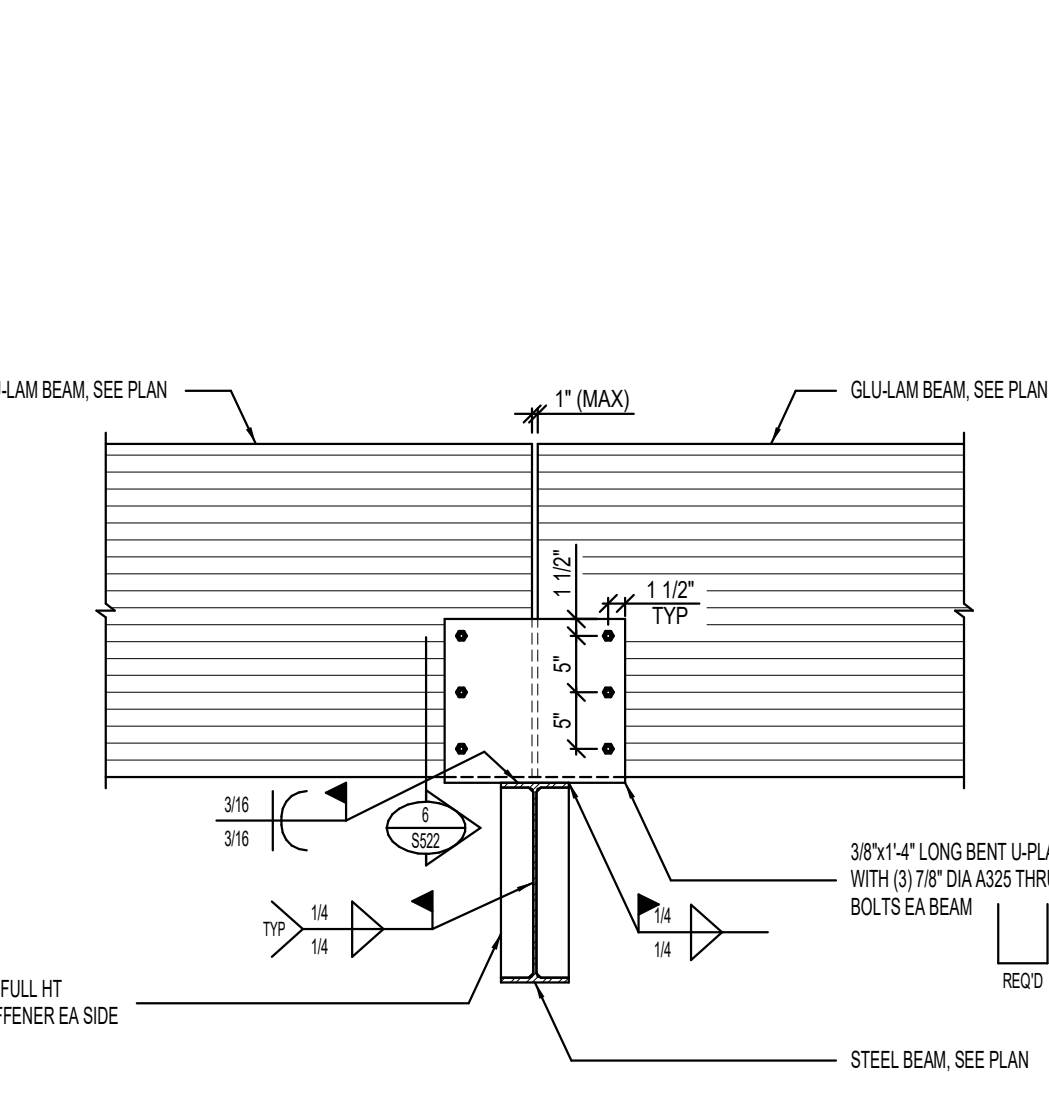
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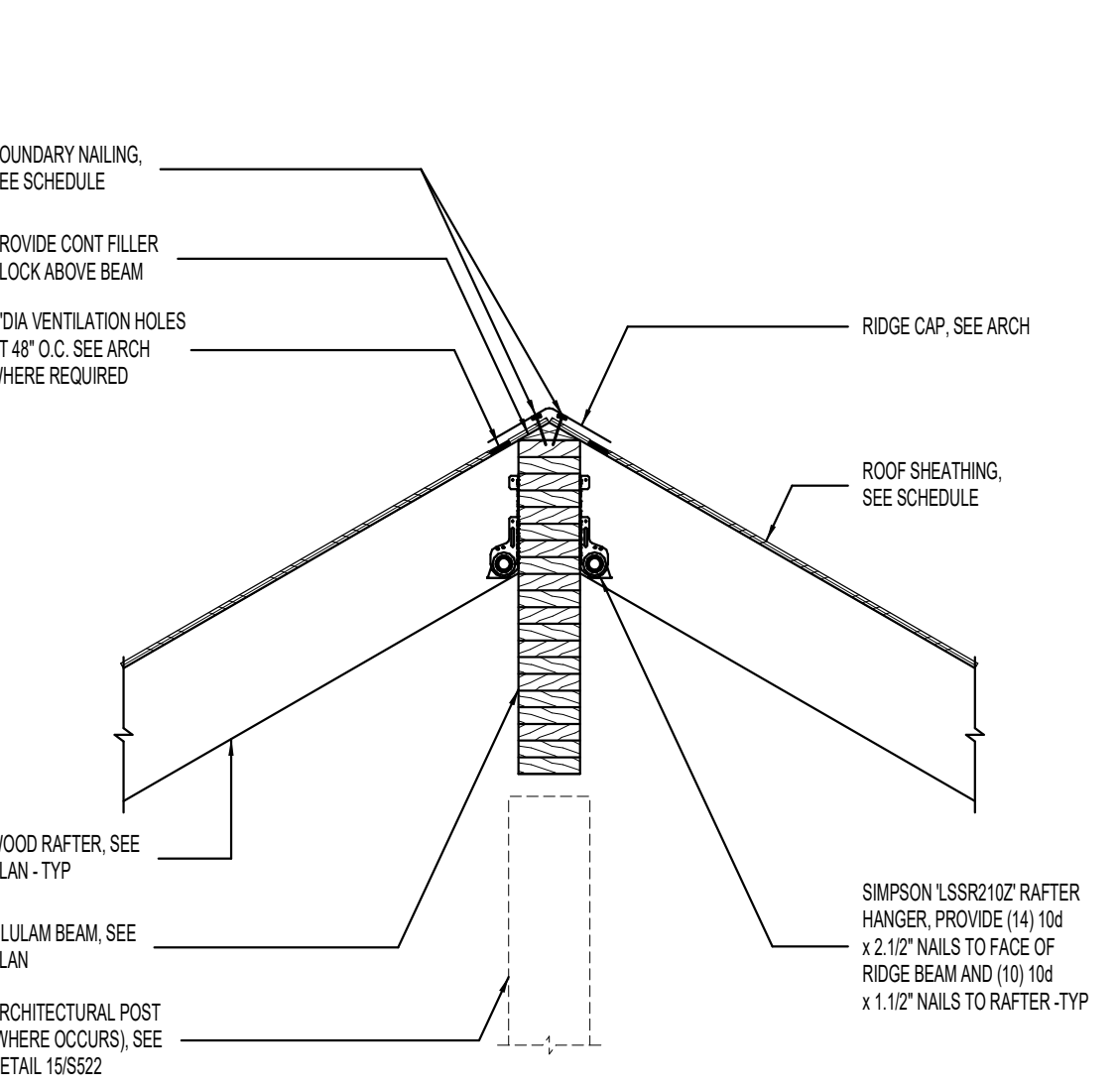
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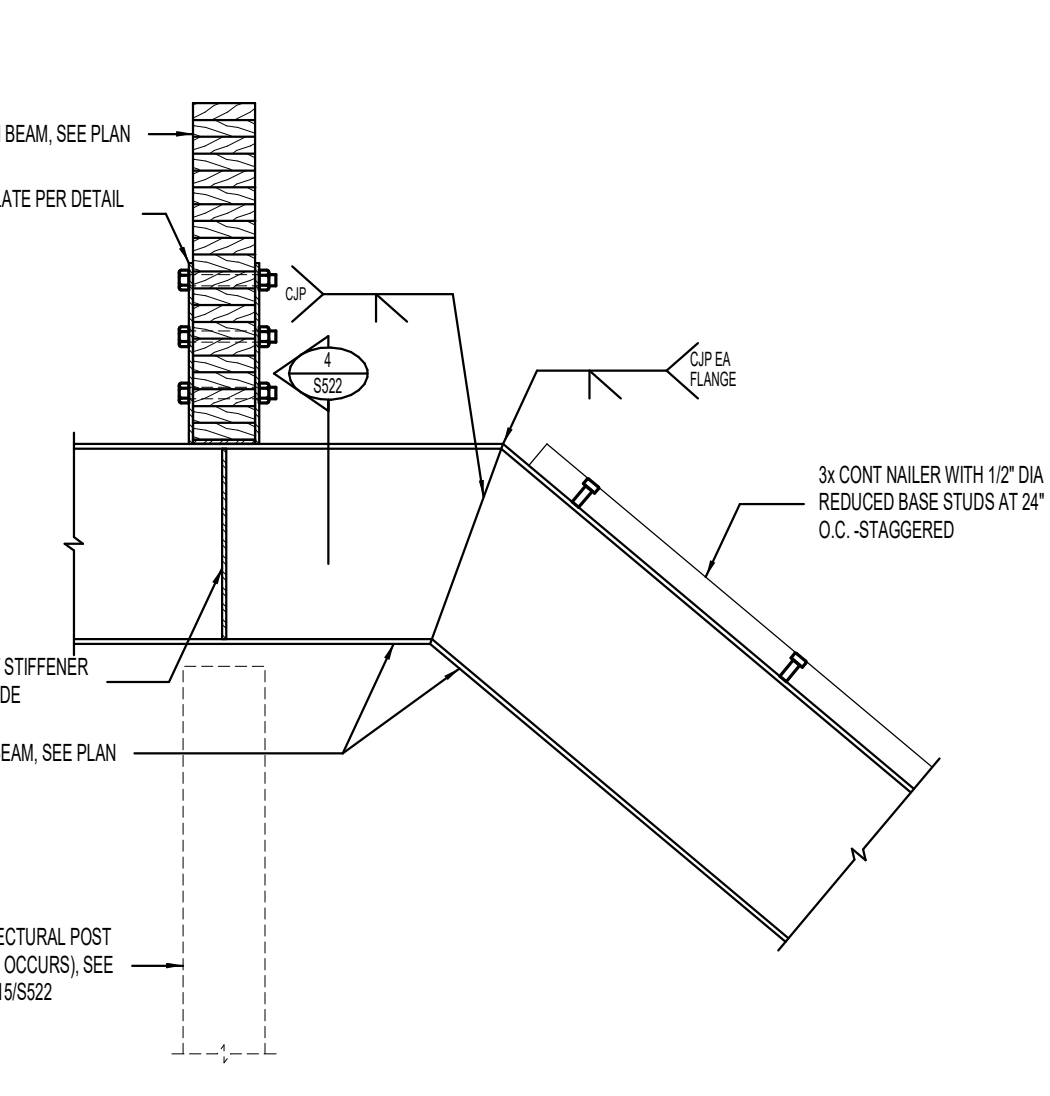
3 BELL TOWER STEEL FRAME NO SCALE



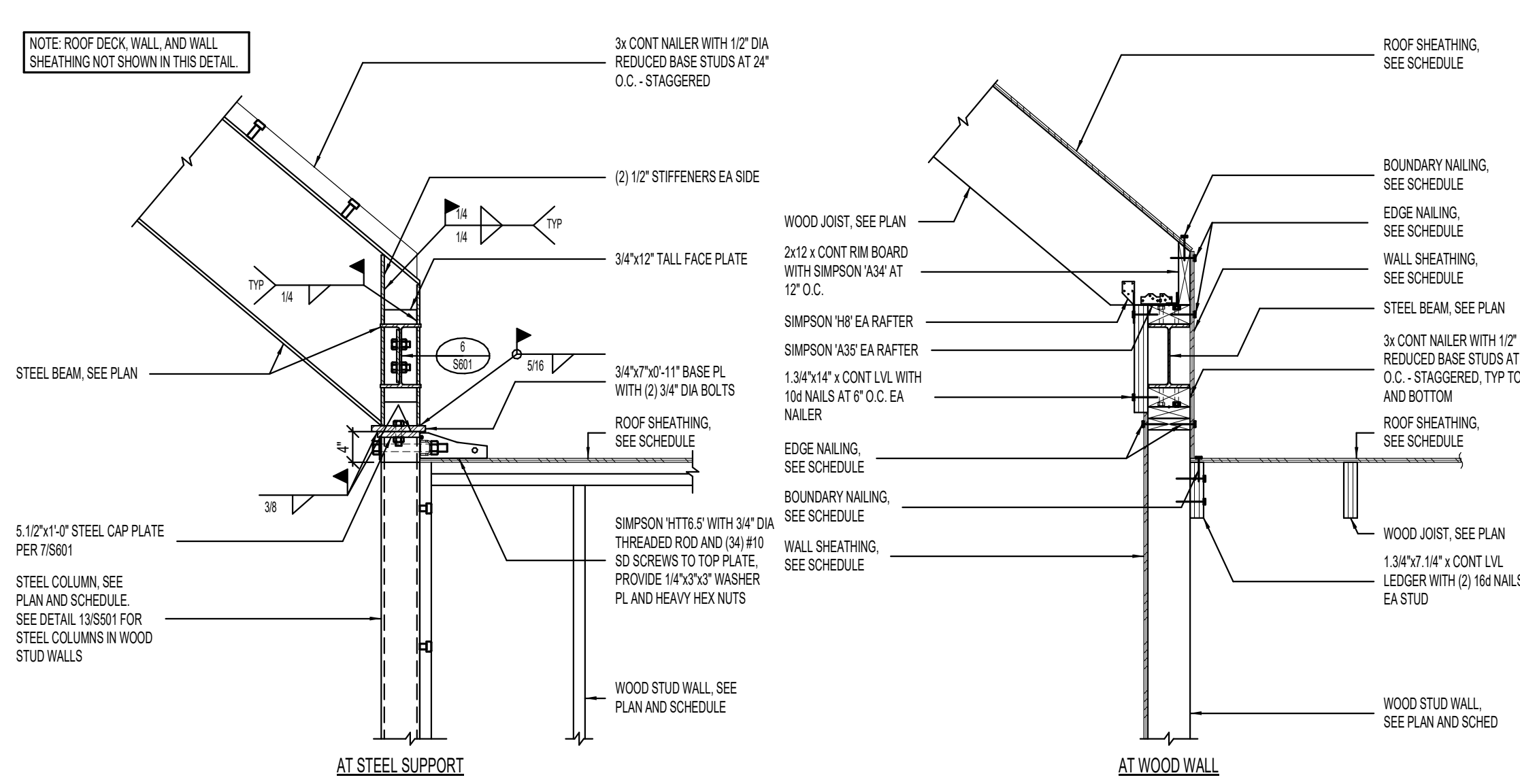
4 TYPICAL WOOD RIDGE BEAM BEARING AT BROKEN BACK STEEL SUPPORT BEAM DETAIL NO SCALE



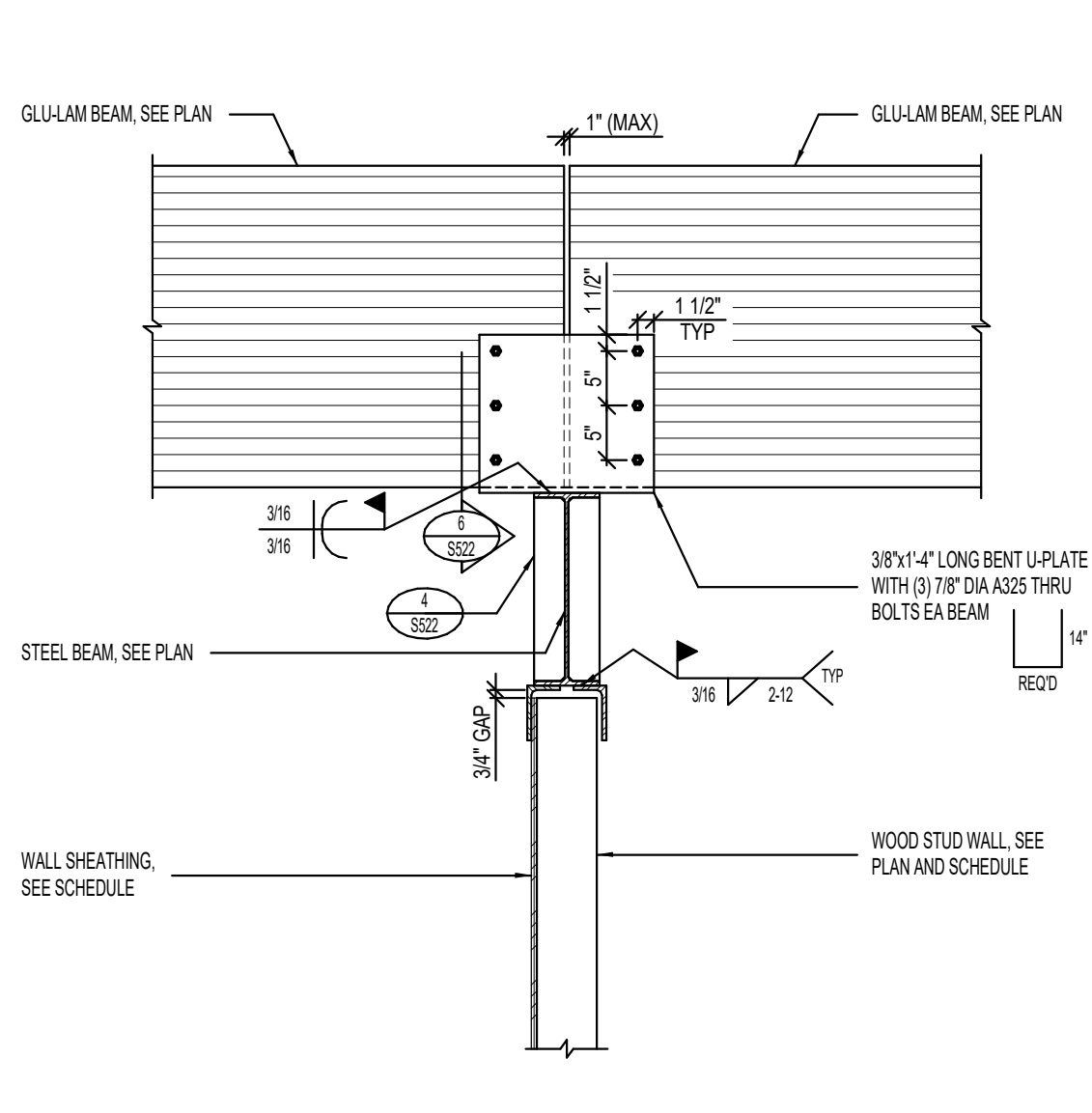
5 GLULAM RIDGE BEAM DETAIL NO SCALE



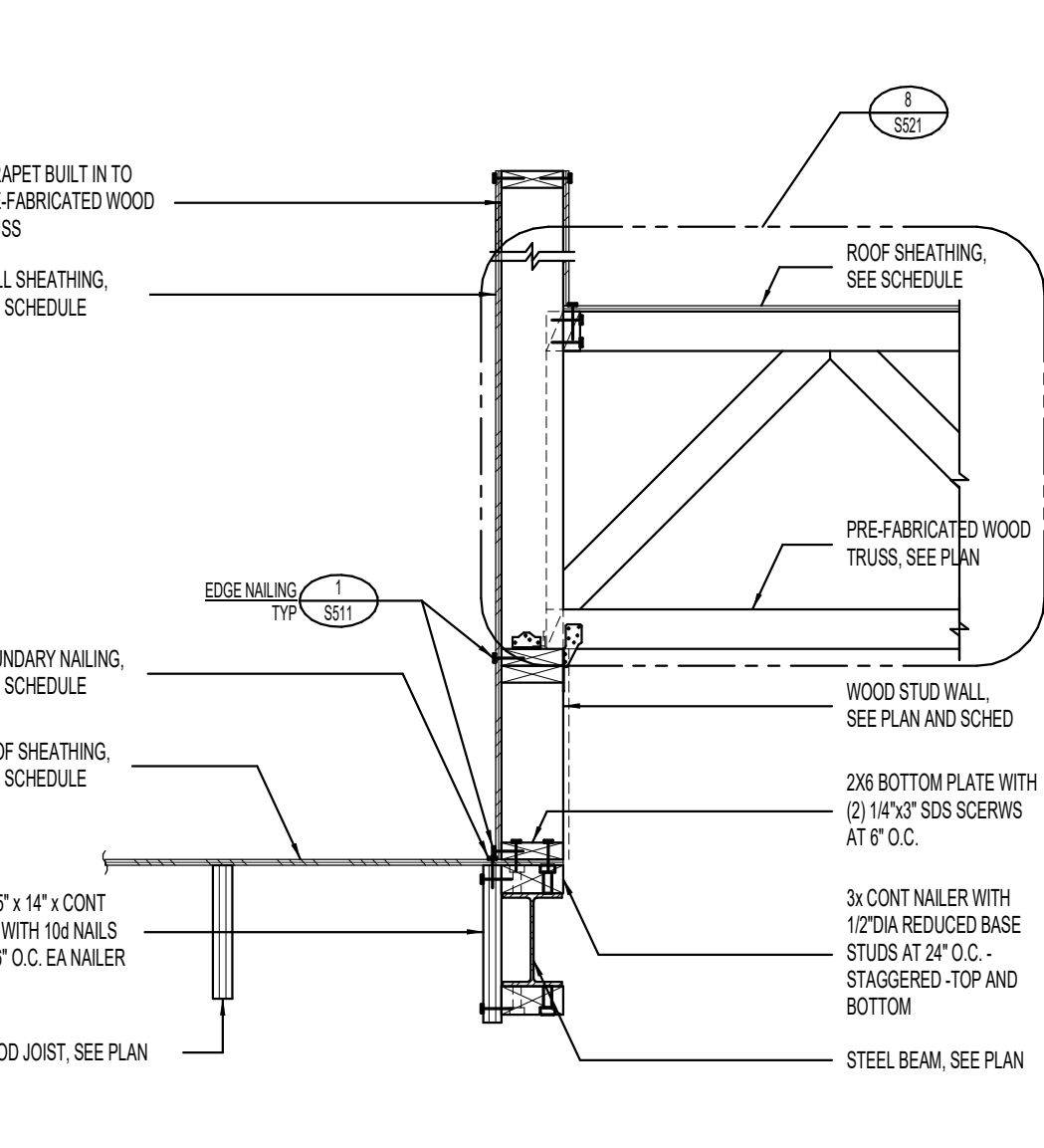
6 TYPICAL WOOD RIDGE BEAM BEARING AT BROKEN BACK STEEL SUPPORT BEAM DETAIL NO SCALE



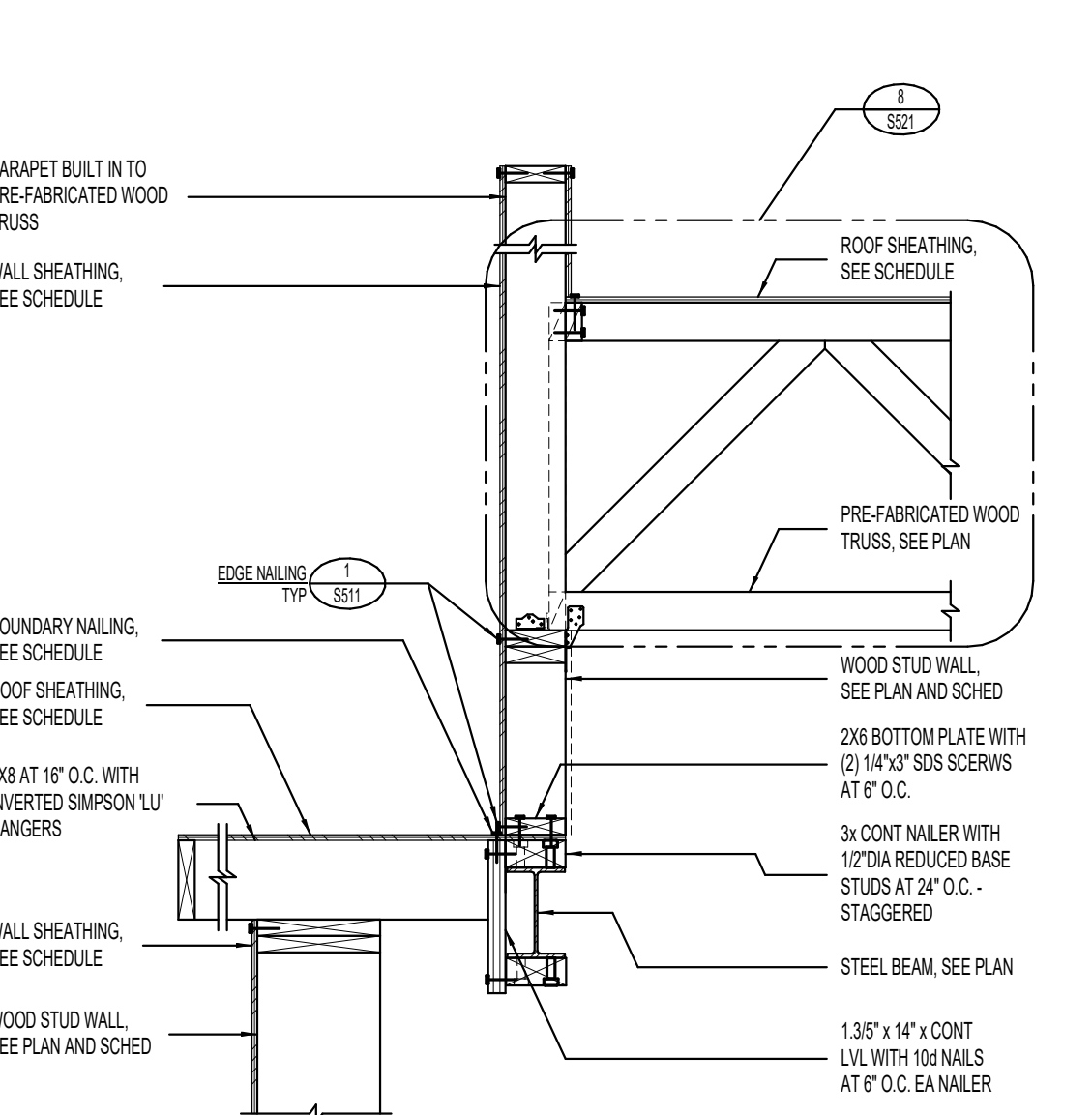
7 TYPICAL BROKEN BACK STEEL SUPPORT BEAM TO STEEL COLUMN DETAIL NO SCALE



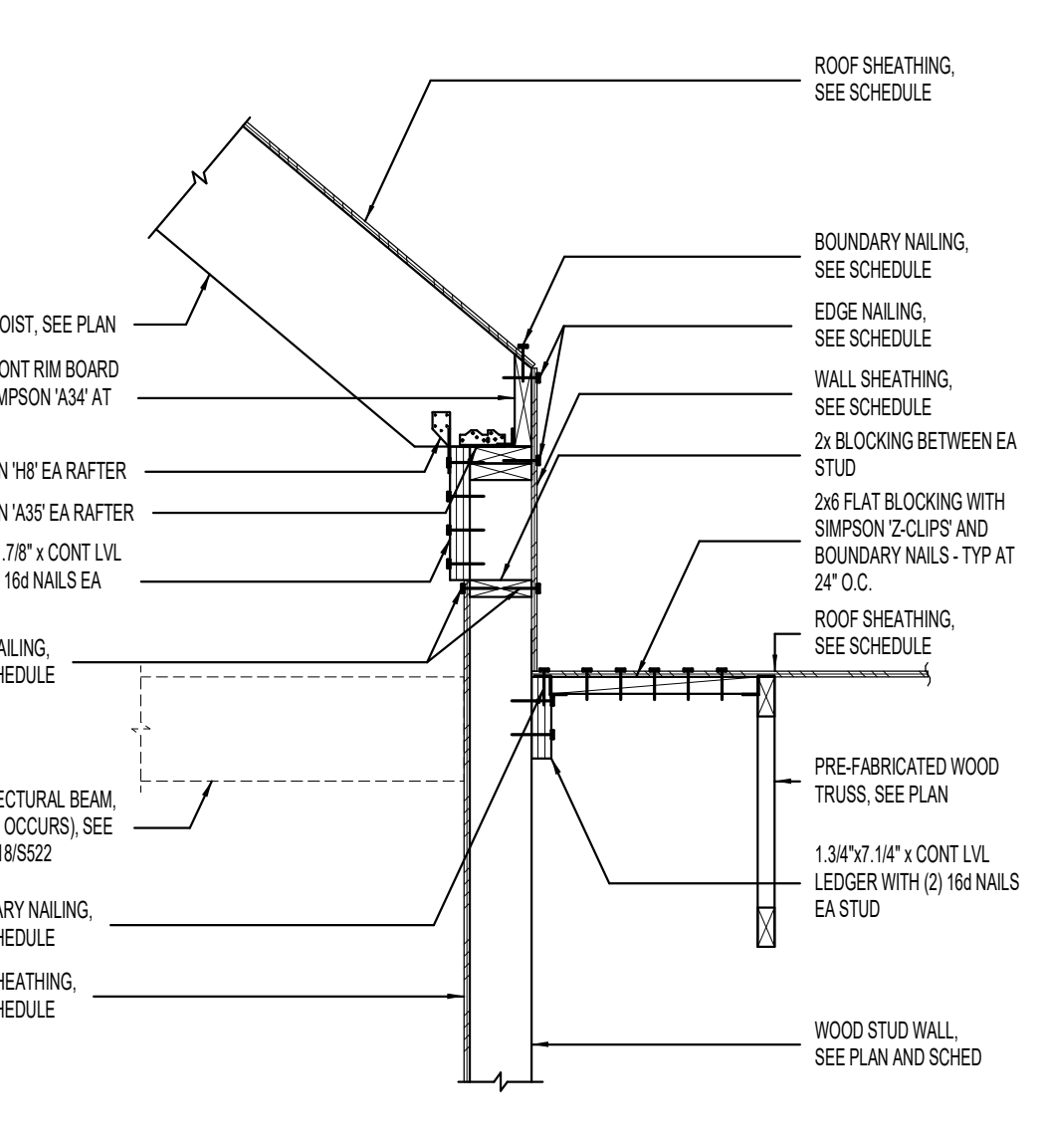
8 RIDGE BEAM BEARING AT BROKEN BACK STEEL SUPPORT BEAM DETAIL WITH WOOD WALL INFILL NO SCALE



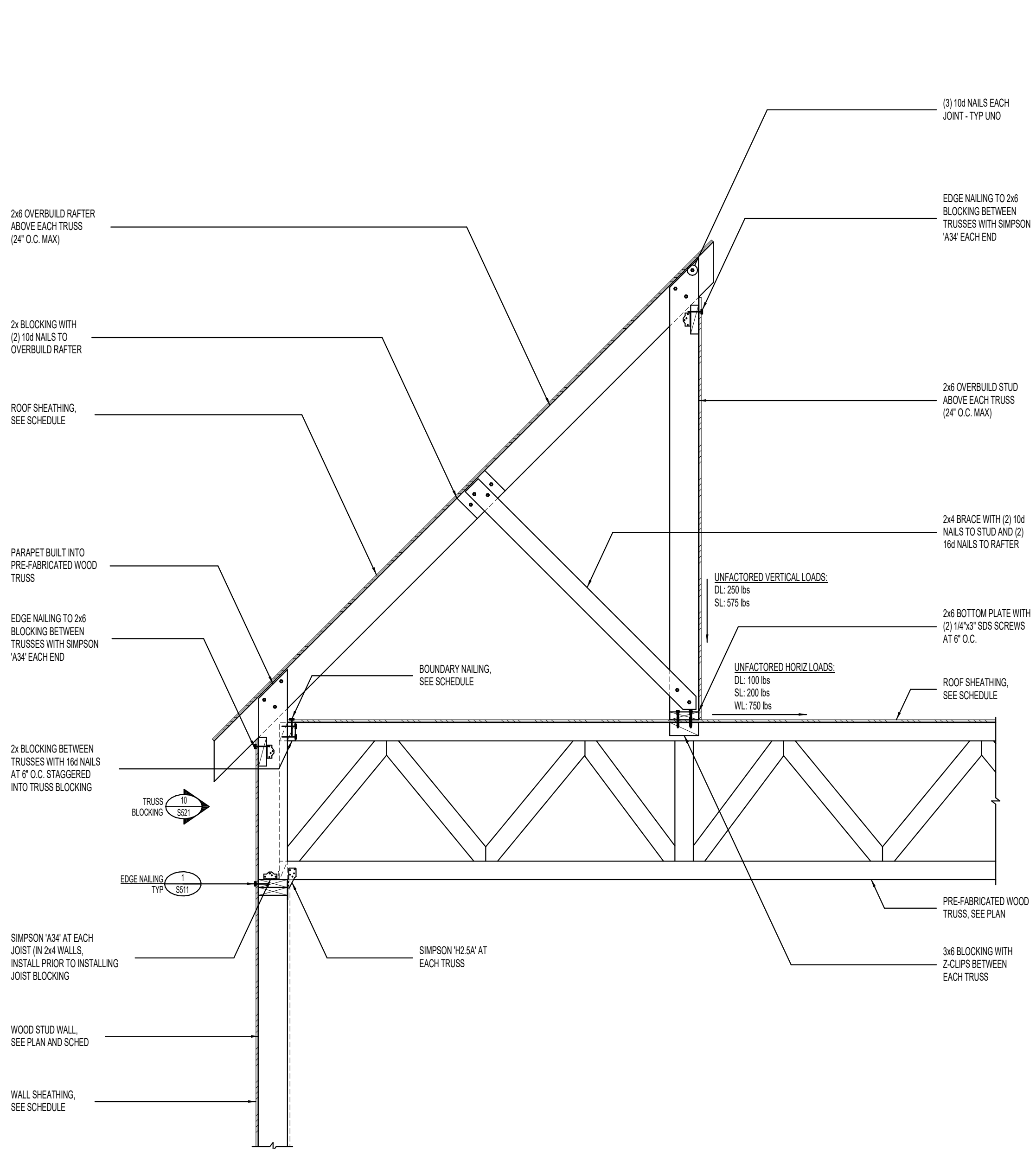
9 TRUSS BEARING ON WOOD STUD WALL AT ROOF OFFSET NO SCALE



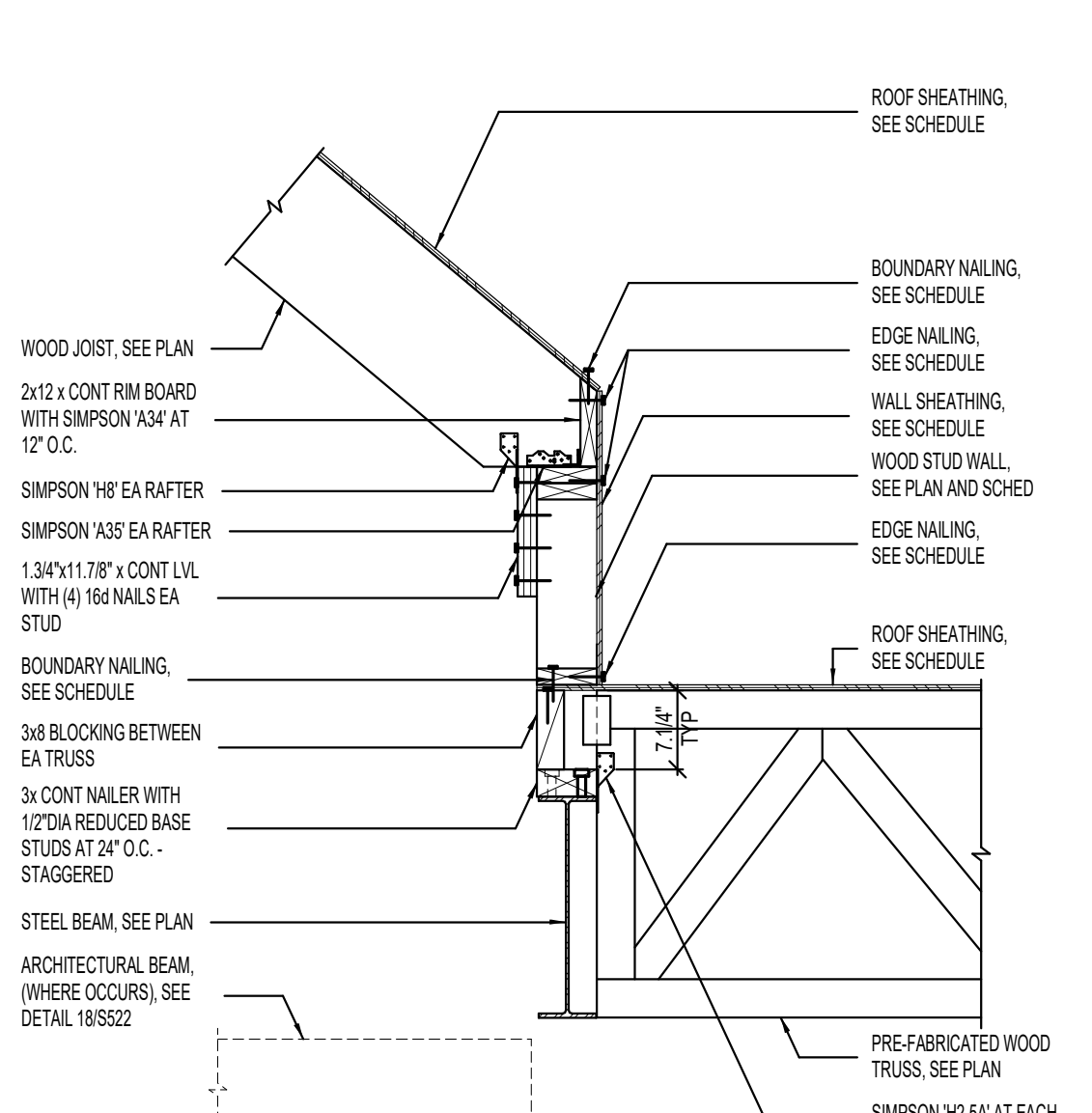
10 TRUSS BEARING ON WOOD STUD WALL AT ROOF OFFSET NO SCALE



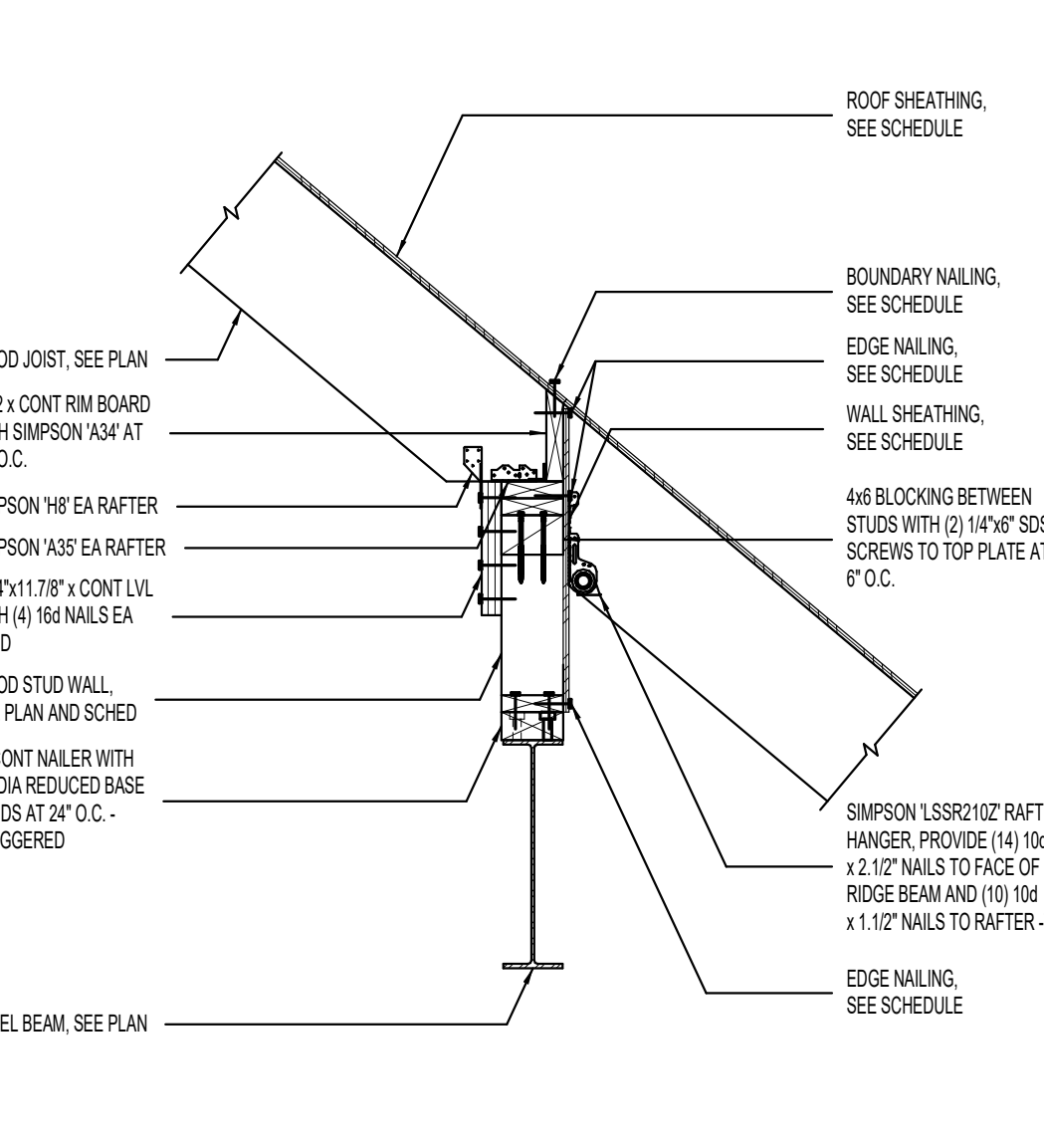
11 TYPICAL RAFTER BEARING ON WOOD WALL NO SCALE



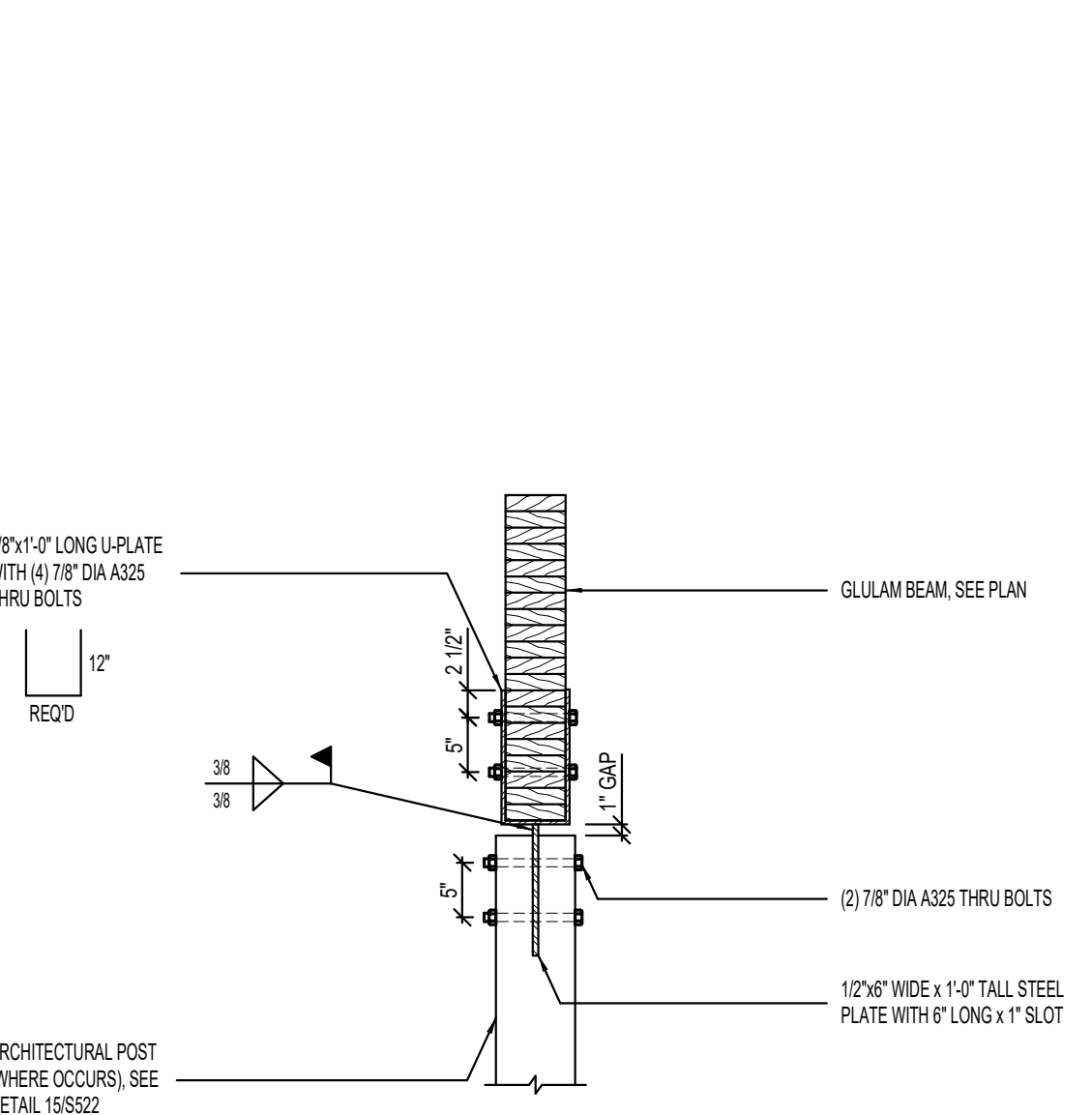
12 TYPICAL TRUSS BEARING ON WOOD STUD WALL WITH WOOD FRAMED OVERBUILD PARAPET NO SCALE



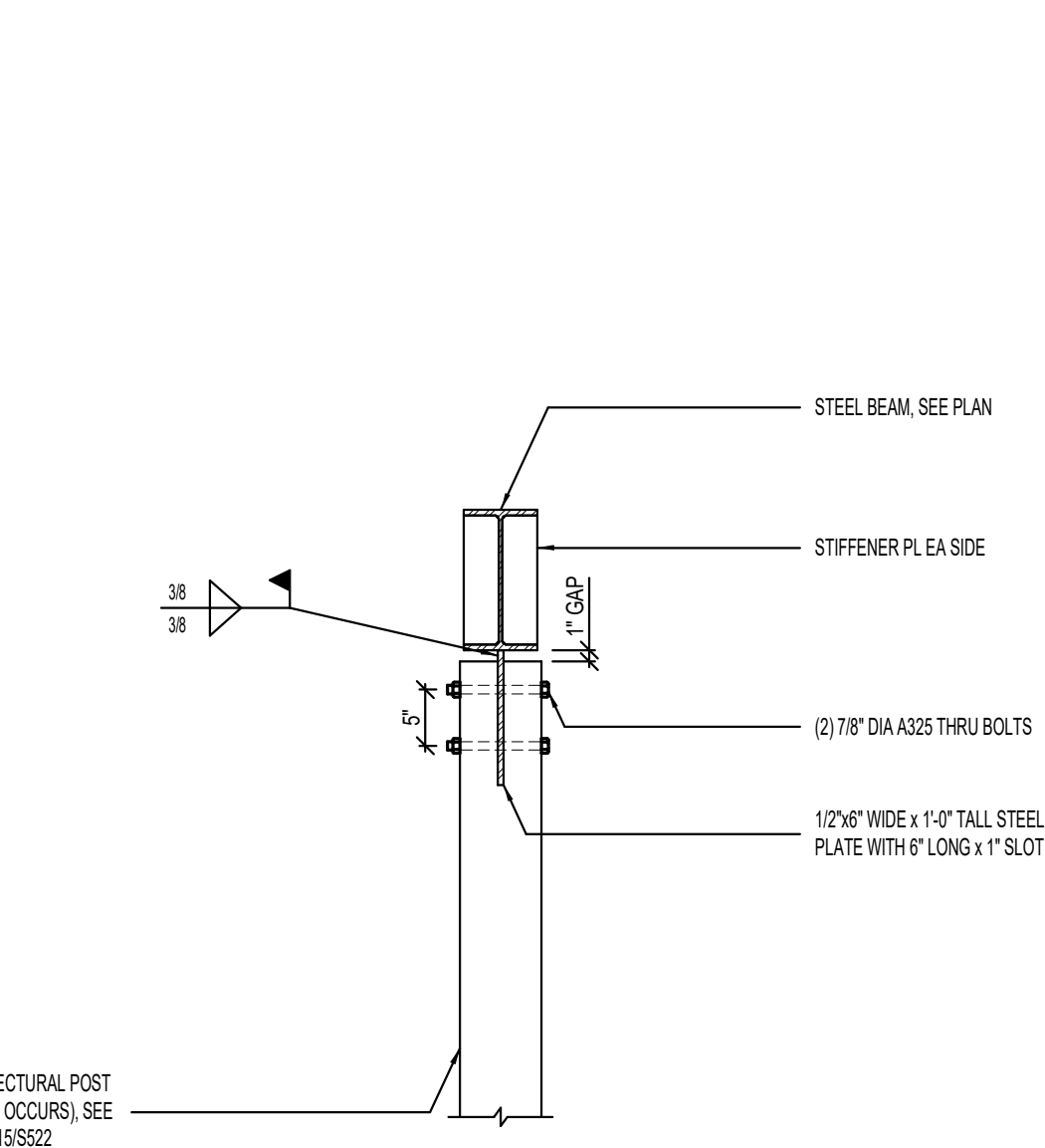
13 TYPICAL RAFTER BEARING ON WOOD WALL ABOVE WOOD TRUSS BEARING ON STEEL BEAM NO SCALE



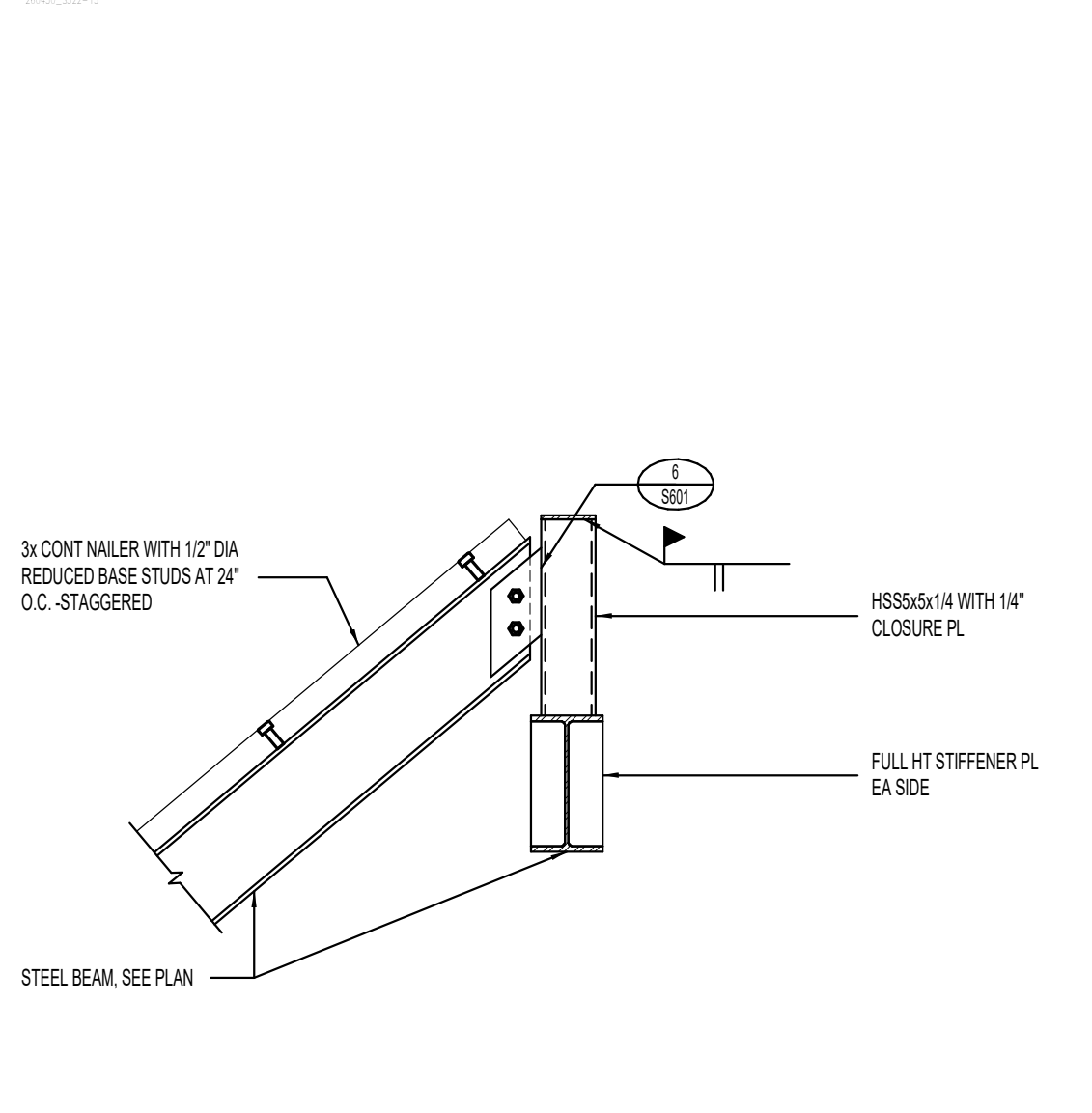
14 TYPICAL RAFTER BEARING ON WOOD WALL ABOVE STEEL BEAM NO SCALE



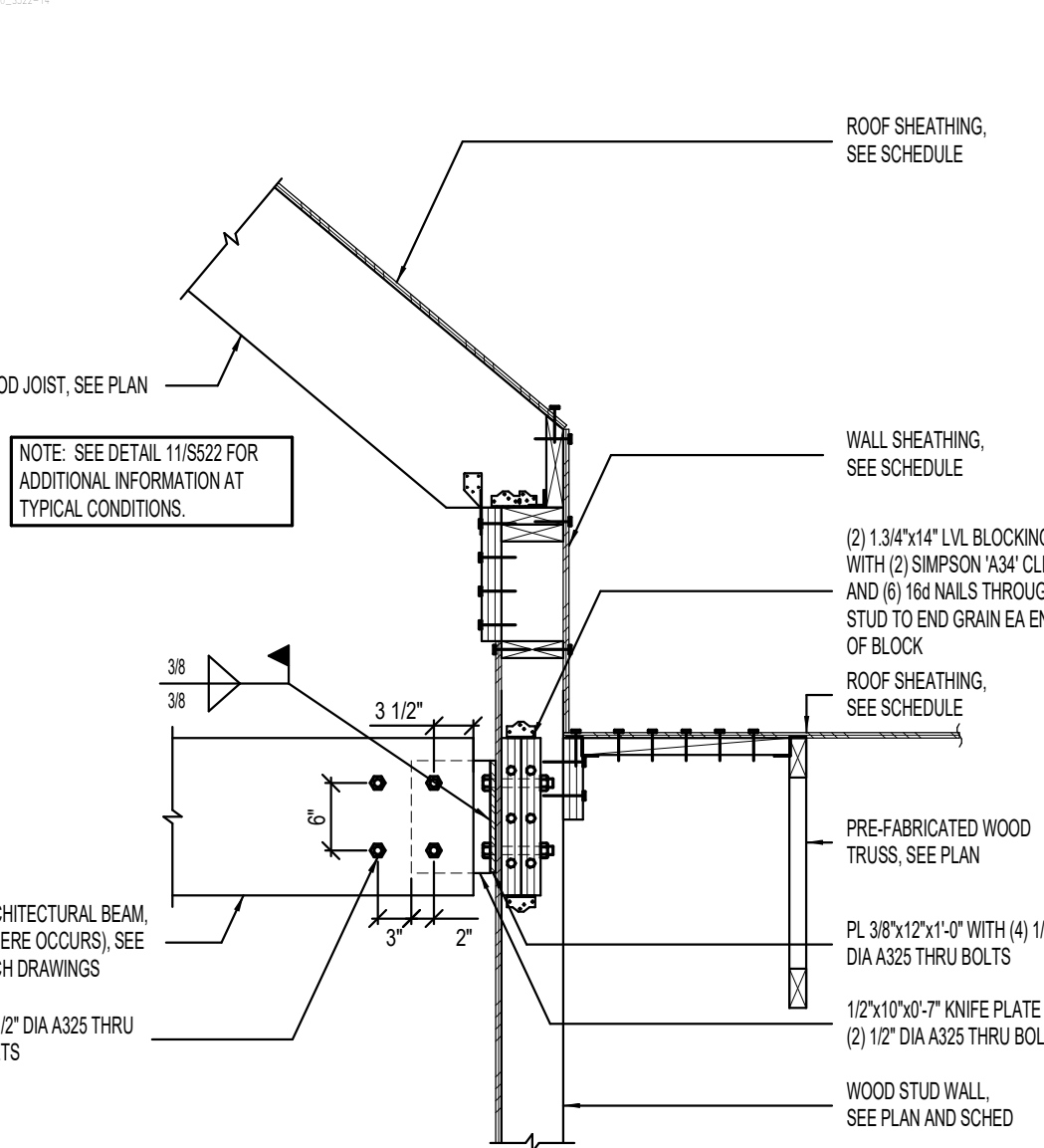
15 TYPICAL ARCHITECTURAL POST TO RIDGE BEAM CONNECTION DETAIL NO SCALE



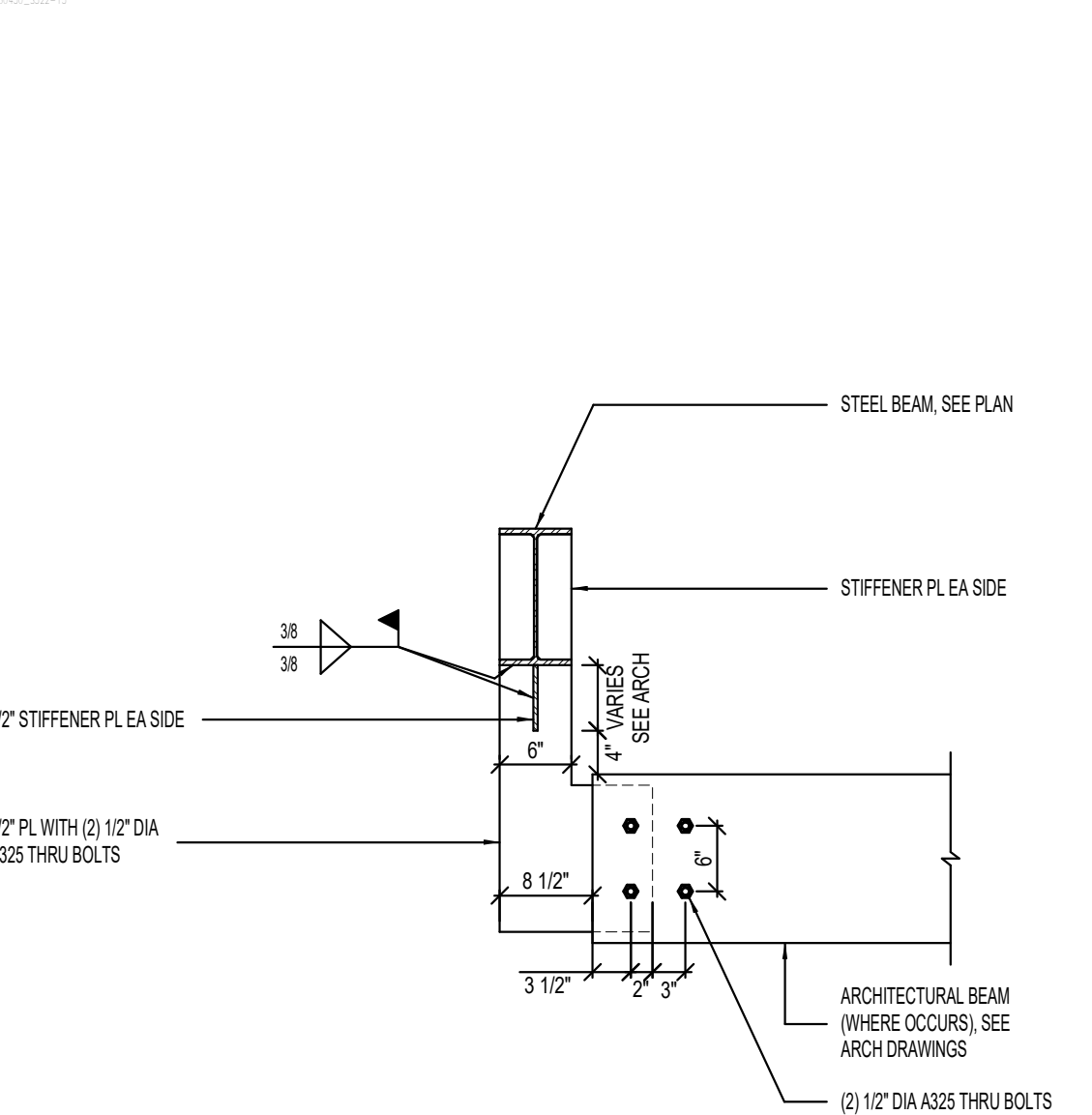
16 TYPICAL ARCHITECTURAL POST TO RIDGE BEAM SUPPORT STEEL CONNECTION DETAIL NO SCALE



17 STEEL BEAM TO STEEL BEAM CONNECTION DETAIL NO SCALE



18 TYPICAL ARCHITECTURAL BEAM TO WOOD WALL CONNECTION DETAIL NO SCALE



19 TYPICAL ARCHITECTURAL BEAM TO STEEL BEAM CONNECTION DETAIL NO SCALE

Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

BHB STRUCTURAL
2760 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbingineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

MAPLETON, UT

Revisions		
Num.	Description	Date

Project Number	220430
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DETAILS

Sheet Number

S522

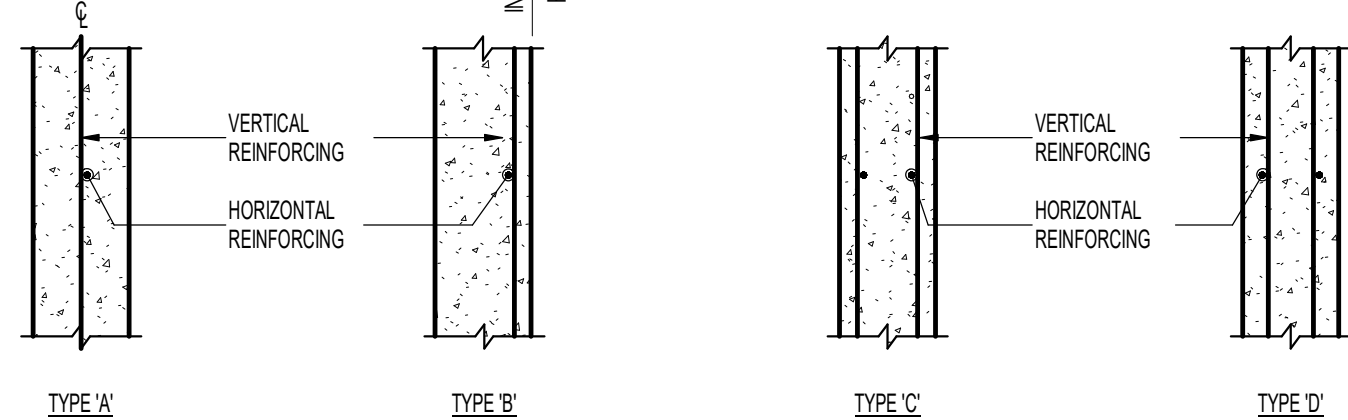
CONCRETE THICKENED SLAB FOOTING SCHEDULE (FTS)												
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING	
FTS2.0	2'-0"	CONT	12"	-	#4	1'-6"	48"	3	#4	CONT	EQ	
FTS3.5	3'-6"	CONT	12"	-	#4	1'-6"	48"	3	#4	CONT	EQ	

1. PLACE ALL FOOTING REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNO).
2. TOP REINFORCING, WHERE OCCURS, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH-FORMED, FOOTINGS SHALL BE 6" LONGER AND WIDER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. SOME SCHEDULED FOOTINGS MAY NOT BE USED. SEE FOOTING AND FOUNDATION PLAN FOR FOOTING MARKS.

NOT TO SCALE

CONCRETE FOUNDATION WALL NOTES:
1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS

ABBREVIATIONS:
EACH FACE E.F.
INSIDE FACE I.F.
OUTSIDE FACE O.F.

WALL REINFORCING PLACEMENT TYPES

NOT TO SCALE

1. SPECIFIC EMBEDMENTS, NOTES AND DETAILS IN DRAWINGS SHALL GOVERN OVER THIS SCHEDULE.
2. HOLE DIAMETER SHALL BE DOWEL ROD DIAMETER PLUS 1/8". FOLLOW MANUFACTURER'S INSTRUCTIONS FOR HOLE PREPARATION.
3. PROVIDE A 3" MINIMUM EDGE DISTANCE TO CENTER OF HOLE.
4. CONTACT STRUCTURAL ENGINEER IF MINIMUM EMBEDMENTS INDICATED ABOVE ARE NOT ACHIEVABLE.
5. SEE "POST INSTALLED ANCHORS" SECTION OF GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

NOT TO SCALE

TABULATED VALUES ARE FOR CASE 1 REINFORCEMENT, WHERE THE REQUIREMENTS OF TABLE BELOW ARE MET. WHERE THESE CONDITIONS ARE NOT MET, MULTIPLY THE LAP LENGTHS (l_{d1}) BY 1.5

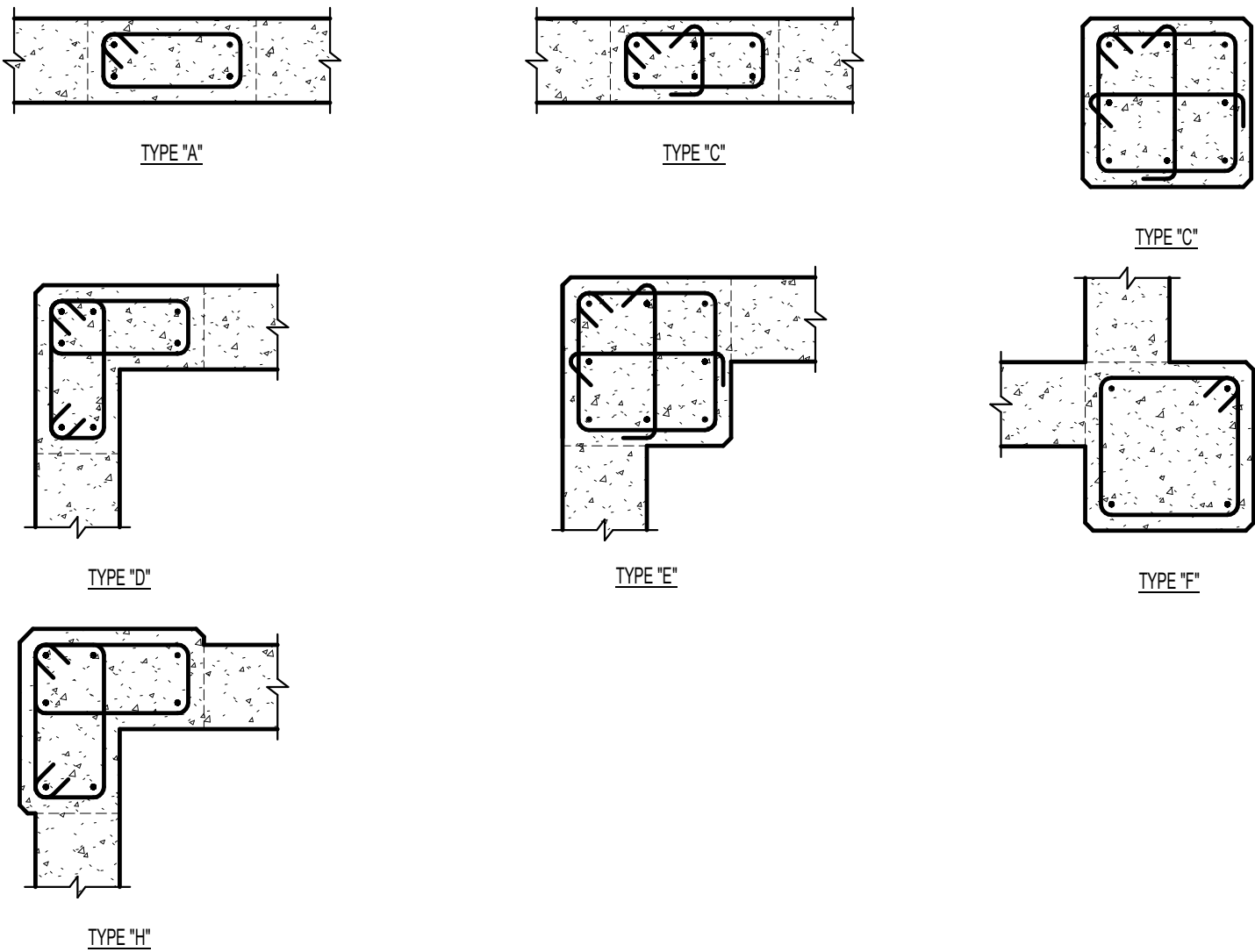
CONCRETE REINFORCING BAR LAP SPLICE NOTES

1. THIS SCHEDULE SHALL BE USED FOR ALL BAR SPICES IN CONCRETE, UNLESS NOTED OTHERWISE.
2. THE SCHEDULE SHALL BE USED FOR ALL BAR SPICES UNLESS APPROVED OTHERWISE BY THE ENGINEER FOR CASES WHERE 50% OR LESS OF THE BARS ARE SPICED WITHIN THE LAP SPACE LENGTH.
3. CLASS B SPICES SHALL BE USED FOR ALL BAR SPICES UNLESS NOTED OTHERWISE.
4. TIES AND STRUPLS SHALL NOT BE SPICED.
5. DO NOT SPICE VERTICAL BARS INTERMEDIATE WALLS UNLESS SPECIFICALLY SHOWN.
6. THE VALUES TABULATED IN THIS SCHEDULE ARE FOR GRADE A REINFORCING BARS. FOR GRADE B, MULTIPLY LAP LENGTHS BY 1.53.
7. THE VALUES TABULATED IN THIS SCHEDULE ARE THE MINIMUM REQUIREMENTS. LONGER LENGTHS MAY BE USED FOR CONSTRUCTIONAL REASONS.
8. LAP SPICES ARE NOT ALLOWED FOR GRADE BARS GREATER THAN #11 BAR. THE LENGTHS GIVEN ARE FOR TENSION DEVELOPMENT LENGTH.
9. FOR ALL OTHER GRADES OF BARS, THE LENGTHS GIVEN ARE FOR TENSION DEVELOPMENT LENGTHS.
10. FOR EPOXY-COATED OR ZINC AND EPOXY DUAL COATED BARS WITH CLEAR SPACING $\geq 3d$, OR CLEAR SPACING $\geq 4d$, MULTIPLY LAP LENGTHS BY 1.15. FOR ALL OTHER CIRCUMSTANCES, MULTIPLY LAP LENGTHS BY 1.2.
11. FOR LIGHT WEIGHT CONCRETE, MULTIPLY LAP LENGTHS BY 1.33.
12. SPICES FOR BUNDLED BARS:
 - A. FOR BUNDLED BARS OF THREE OR LESS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.2.
 - B. FOR BUNDLED BARS OF FOUR OR MORE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.33.
 - C. INDIVIDUAL BAR SPICES WITHIN A BUNDLE SHALL NOT OVERLAP.
 - D. TIE BUNDLES SHALL NOT BE LAP SPICED.
13. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

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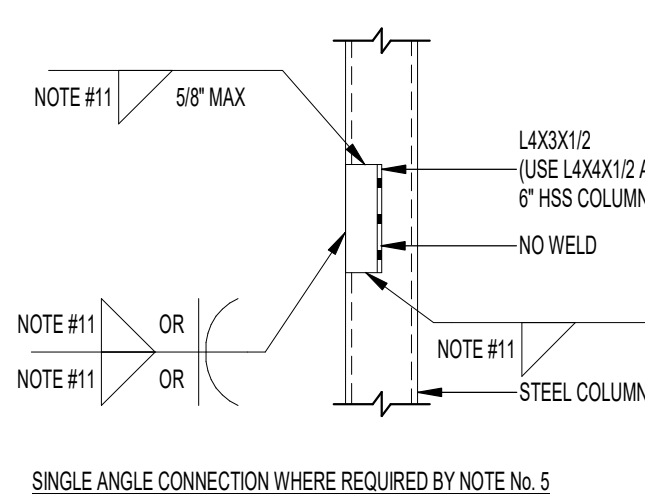
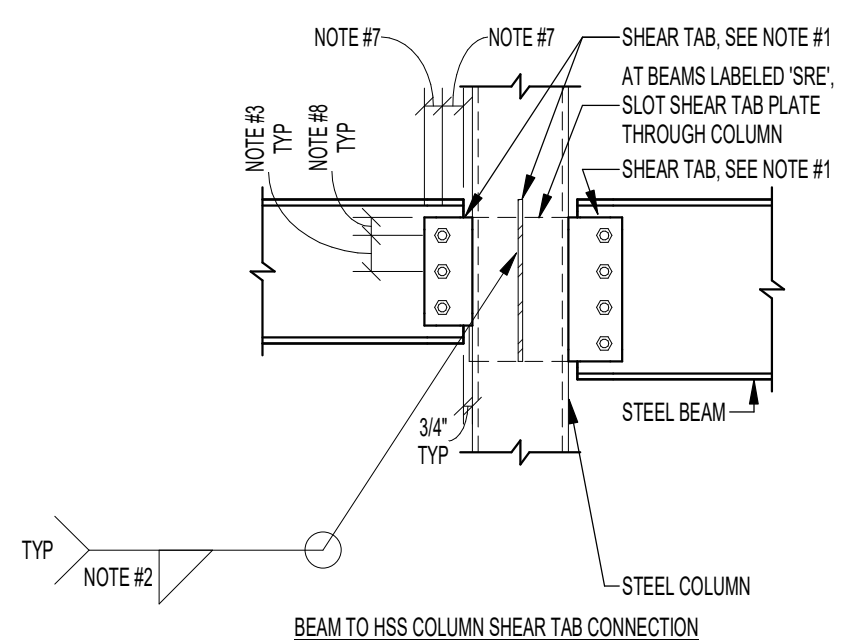
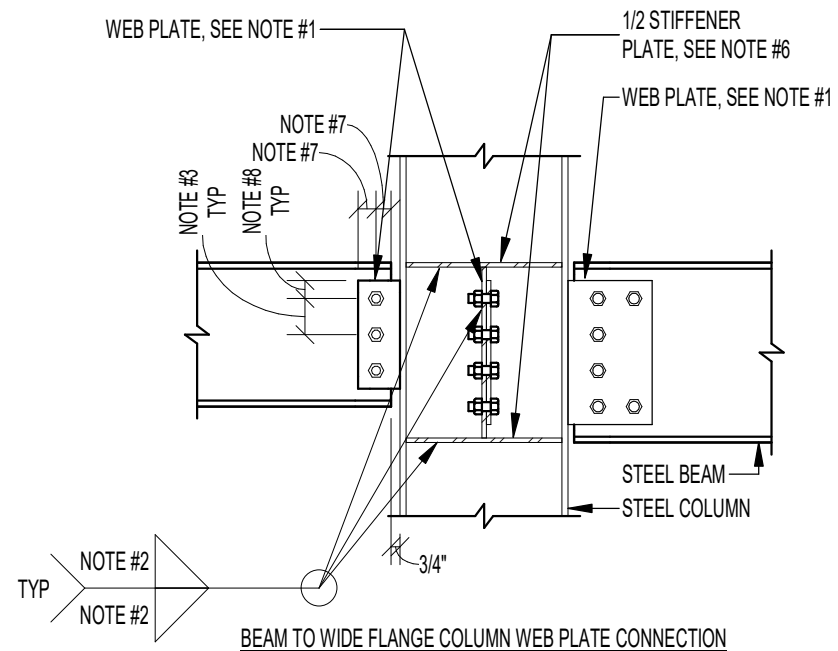
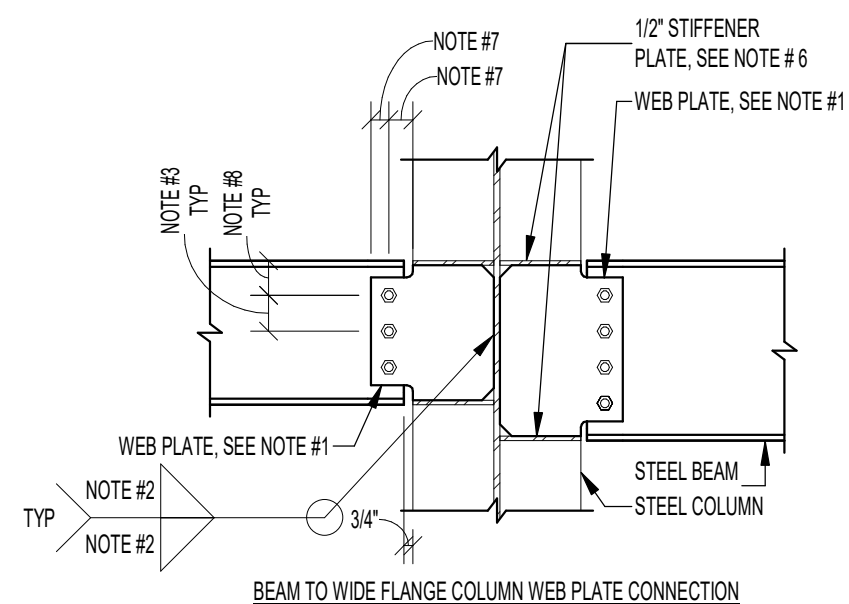
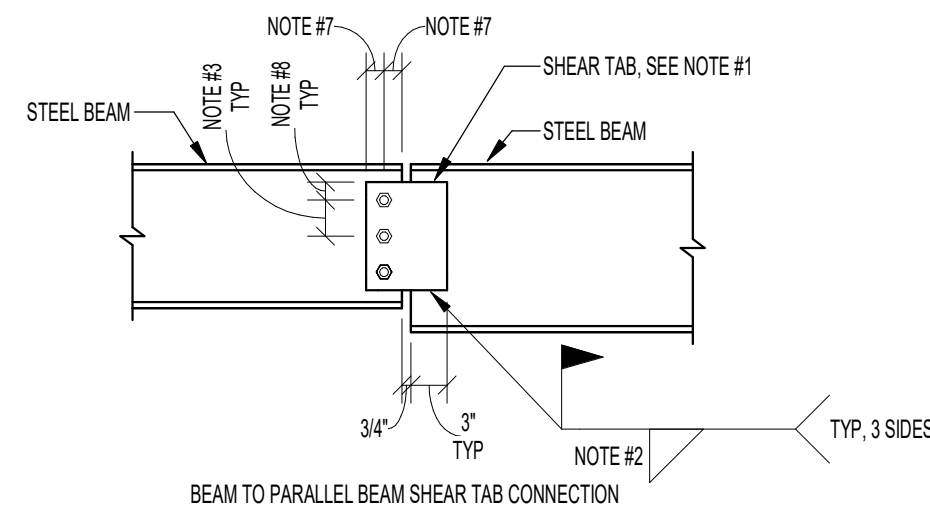
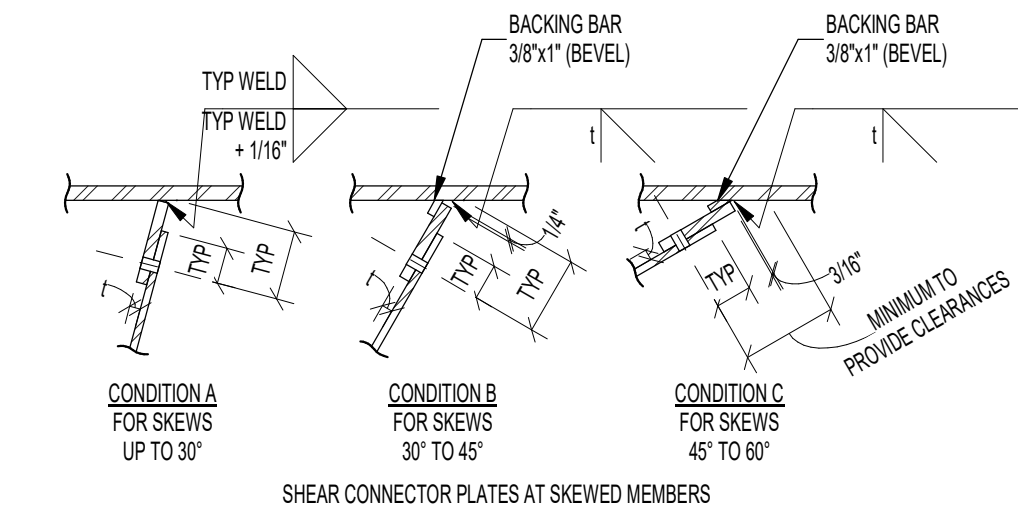
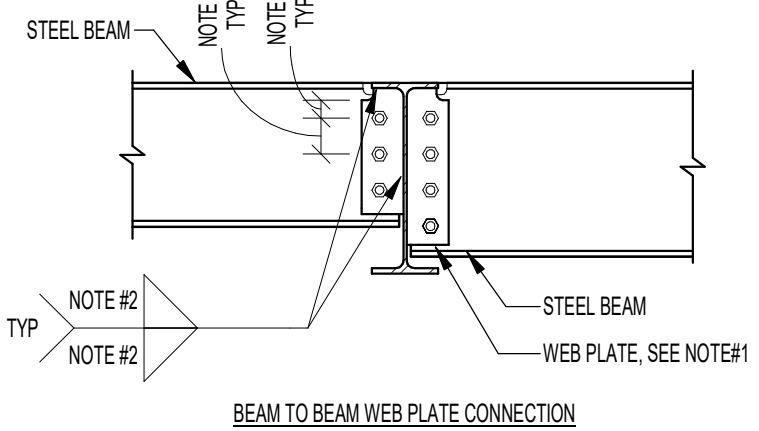
CONCRETE PIER NOTES

1. INSTALL (3) SETS OF TIES WITHIN TOP 5' OF ALL PIERS (JUNO).
2. RUN HORIZONTAL CONCRETE WALL REINFORCING CONTINUOUS THROUGH PIER WHEN PIER IS POURED MONOLITHICALLY WITH CONCRETE WALL.
3. ALTERNATE THE POSITION OF 135 DEGREE HOOK IN EACH LAYER OF TIES.
4. AT ALL PIERS LOCATED IN CONCRETE SHEAR WALLS, CONTINUE TIES 12" MINIMUM INTO FOOTING.
5. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



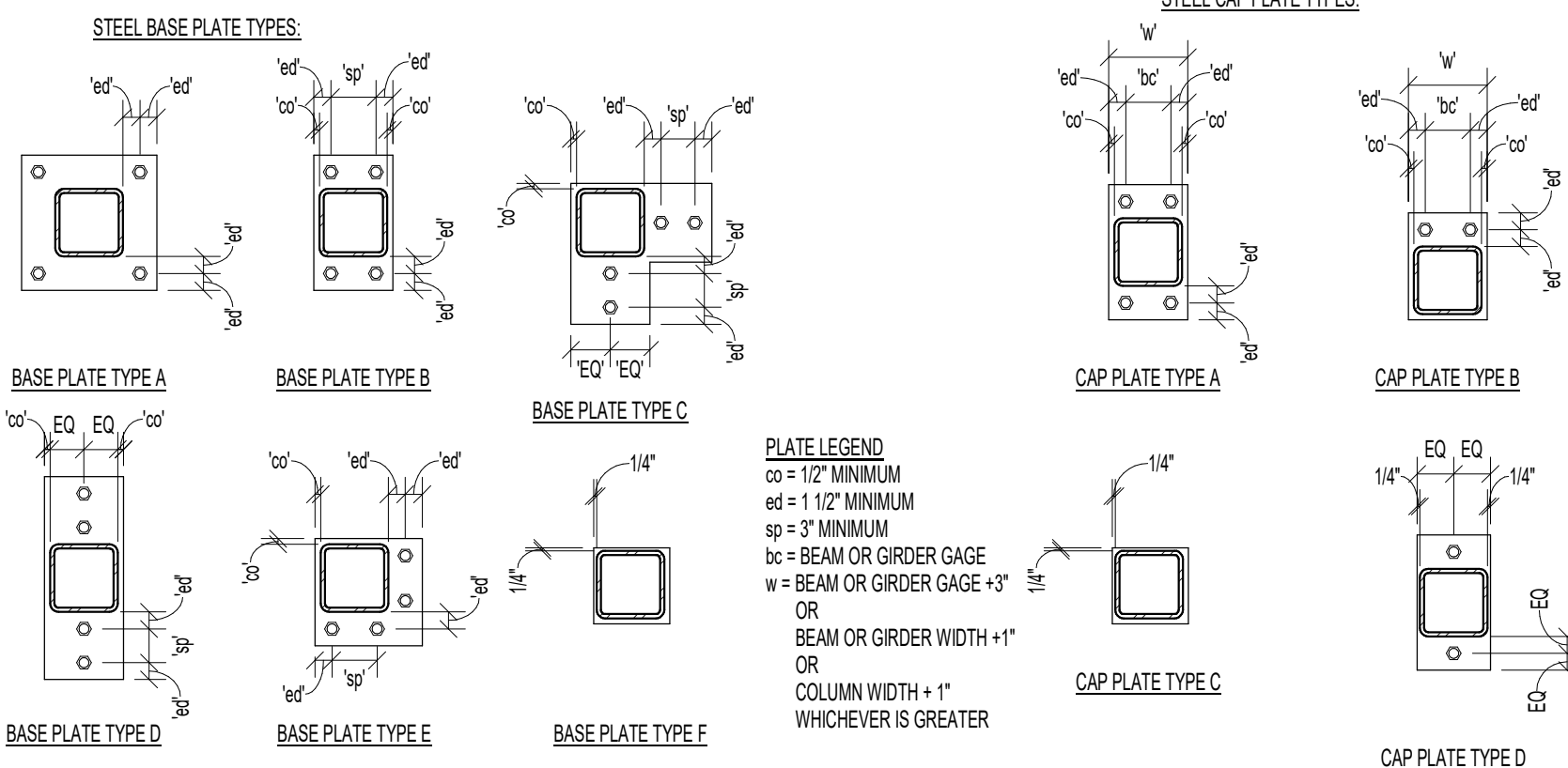
NOT TO SCALE

BEAM TO BEAM SHEAR TAB CONNECTION



STEEL COLUMN NOTES:

1. UNLESS NOTED OTHERWISE, ALL COLLUMS SHALL BE INSTALLED WITH (4) 3/4" ANCHOR RODS WITH 3" MINIMUM HOOKS. PROJECT ANCHOR RODS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM. ALL RODS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLE LARGER THAN THE ROD DIAMETER PLUS 1/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ALL CAP PLATE BOLTS SHALL BE 3/4" DIA A325 BOLTS, TYPICAL. UNLESS NOTED OTHERWISE.
3. ANCHOR RODS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



NOT TO SCALE

NOTE:
JINTELS CARRY VENEER ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING AT EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE. STEEL ANGLES SHALL BE GALVANIZED AT EXTERIOR CONDITIONS.

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Revisions		
Num.	Description	Date

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Original Issue	09.04.2026
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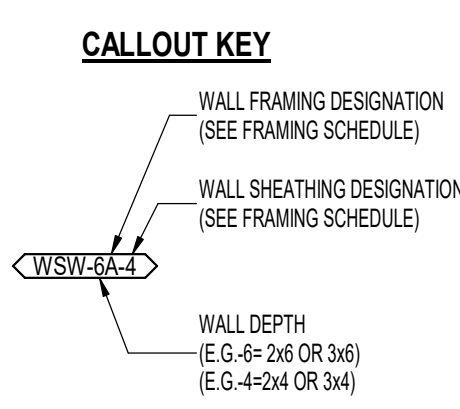
SCHEDULES

Sheet Number

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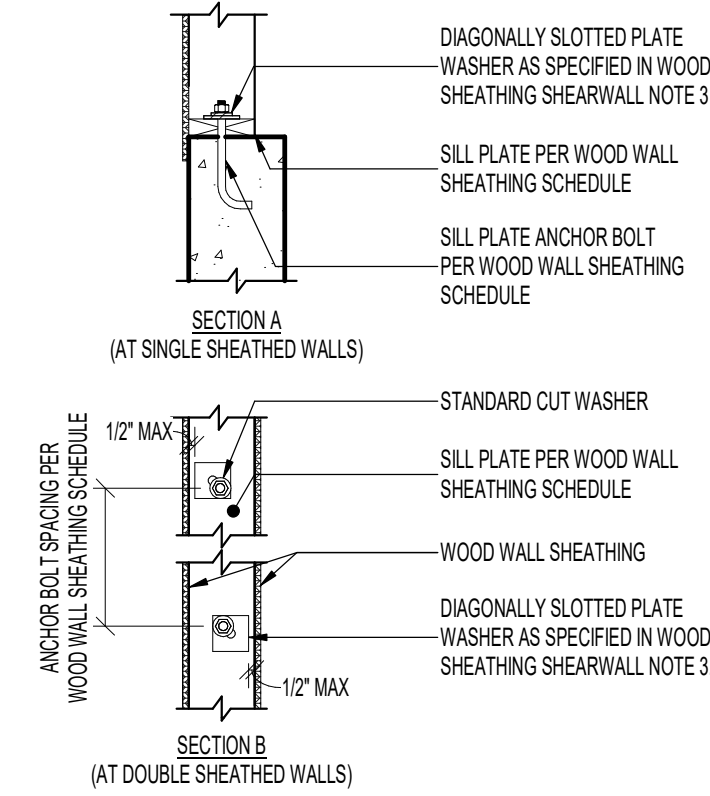
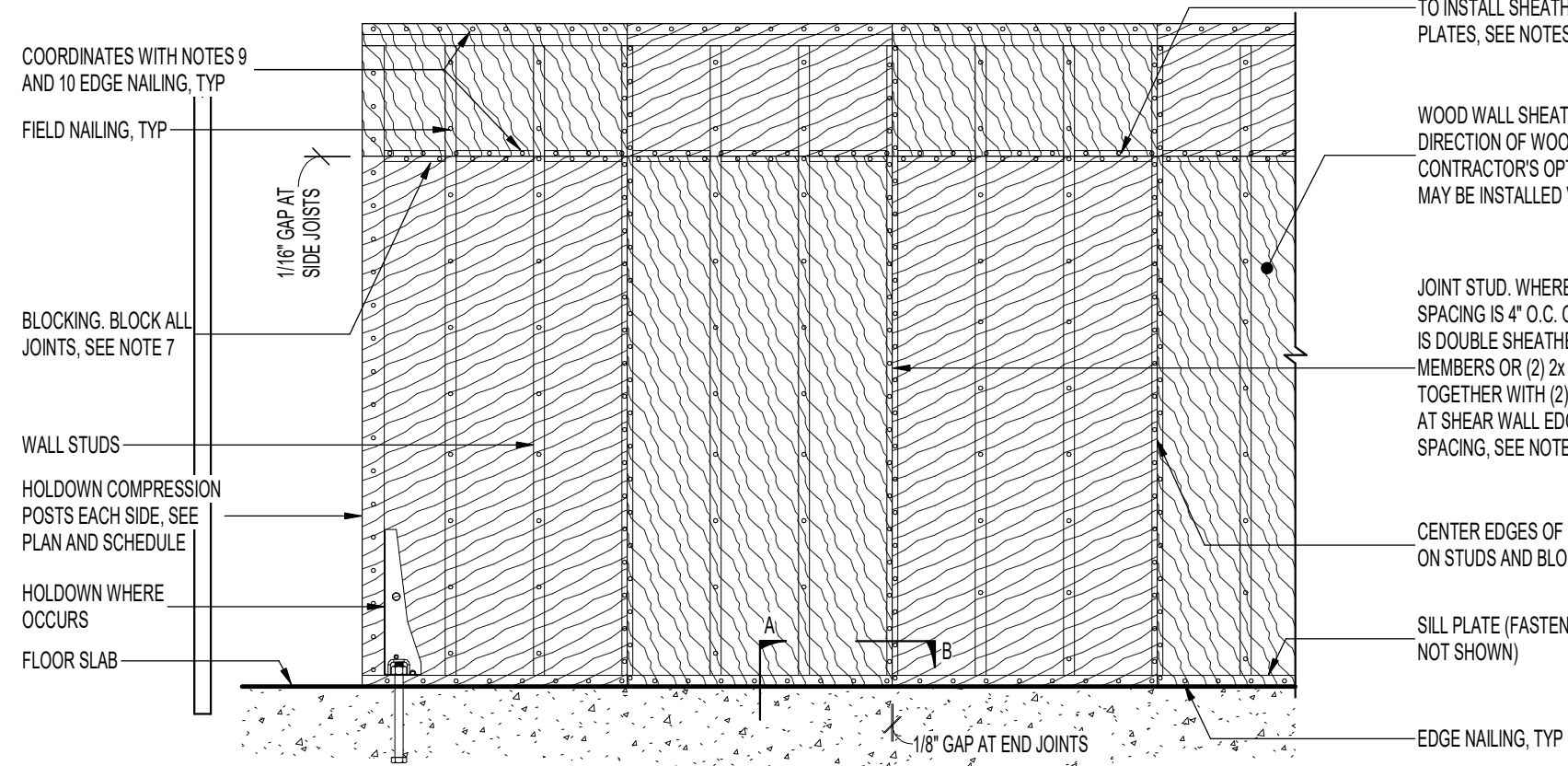
S601

WOOD STUD WALL SCHEDULE (WSW-x)										
MARK	STUDS	TOP PLATE	BOTTOM PLATE	BOTTOM PLATE FASTENERS	STUD & BLOCK AT JOINTS	THICKNESS	NAIL SIZE	EDGE NAIL	FIELD NAIL	COMMENTS
WSW-6A	2x6 AT 16" O.C.	(2) 2x6	2x6	(2) 16d AT 16" O.C.	2x	7/16	8d (NOTE 2)	6" O.C.	12" O.C.	
WSW-6B	2x6 AT 16" O.C.	(2) 2x6	2x6	5/8" DIA A.B. AT 48" O.C.	2x	7/16	8d (NOTE 2)	6" O.C.	12" O.C.	
WSW-6C	(2) 2x6 AT 16" O.C.	(2) 2x6	2x6	5/8" DIA A.B. AT 48" O.C.	2x	7/16	8d (NOTE 2)	6" O.C.	12" O.C.	
WSW-6D	2x6 AT 12" O.C.	(2) 2x6	2x6	5/8" DIA A.B. AT 48" O.C.	2x	7/16	8d (NOTE 2)	6" O.C.	12" O.C.	
WSW-12A	1.34"x11.875" LVL AT 16" O.C. (F _b = 2800psi MIN)	(2) 1.34"x11.875" LVL	1.34"x11.875" LVL	(2) 5/8" DIA A.B. AT 48" O.C. STAGGERED	1.34"x11.875" LVL	7/16	8d (NOTE 2)	6" O.C.	12" O.C.	



15/32" WOOD WALL SHEATHING SCHEDULE (WSW-x)										
MARK	STUD & BLOCKING AT JOINTS (NOTE 8)	THICKNESS	NAIL SIZE	EDGE NAIL	FIELD NAIL	SILL OR BOTTOM PLATE	BOTTOM PLATE FASTENERS	SILL PLATE ANCHOR BOLTS (NOTE 1-6)	RIM BOARD FASTENERS (NOTE 9 & 10)	CAPACITIES 'EQ' 'WL'
N	2x	SEE ARCH	-	-	-	2x	16d NAILS AT 6" O.C.	5/8" DIA AT 32" O.C.	16d TOENAIL AT 6" O.C.	60pf 60pf
6							16d NAILS AT 6" O.C.	5/8" DIA AT 32" O.C.	'A34' AT 16" O.C.	310pf 348pf
3		15/32" OSB NOTE 14	10d	4" O.C.	12" O.C.		16d NAILS AT 4" O.C.	5/8" DIA AT 32" O.C.	'A34' AT 12" O.C. OR 'A35' AT 16" O.C.	460pf 515pf
4							14"x6" SDS WOOD SCREWS AT 6" O.C.	5/8" DIA AT 32" O.C.	'A34' AT 8" O.C.	600pf 708pf
44		15/32" OSB EACH SIDE OF WALL NOTE 14		4" O.C.			14"x6" SDS WOOD SCREWS AT 6" O.C.	5/8" DIA AT 16" O.C.	'A34' AT 8" O.C.	770pf 772pf
33				3" O.C.			14"x6" SDS WOOD SCREWS AT 4" O.C.	5/8" DIA AT 16" O.C.	'G42' AT 6" O.C.	920pf 1,290pf
22				2" O.C.			14"x6" SDS WOOD SCREWS AT 4" O.C.	5/8" DIA AT 8" O.C.	'G42' AT 4" O.C.	1,540pf 1,832pf

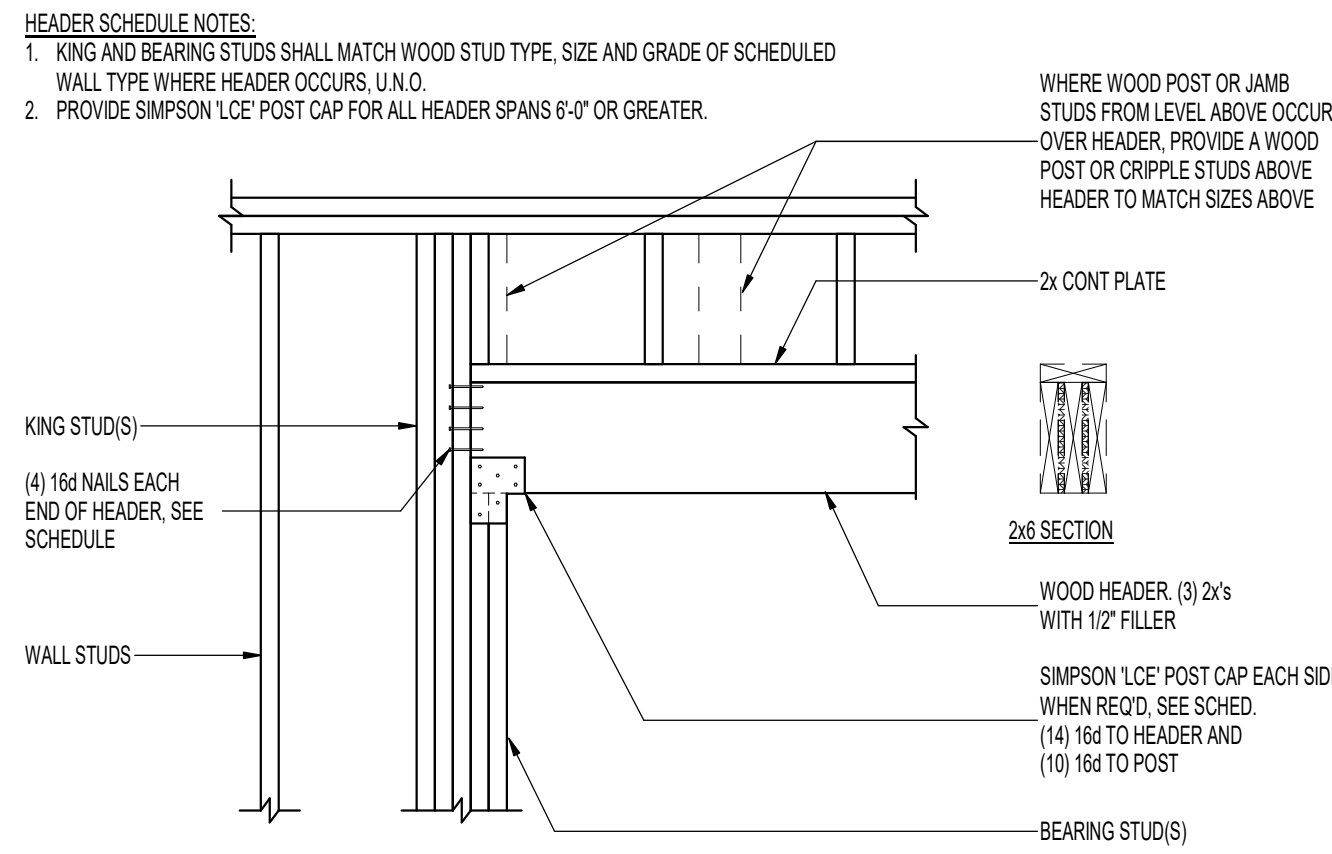
- WOOD SHEATHING SHEARWALL NOTES**
- WHERE 8d NAIL SIZE IS NOTED IN SCHEDULE, PERMITTED NAIL SIZES INCLUDE 2 1/2 x 0.113 (COMMON) OR 2 1/2 x 0.113 (GALVANIZED BOX). WHERE 10d NAIL SIZE IS NOTED IN SCHEDULE, PERMITTED NAIL SIZES INCLUDE 3 x 0.148 (COMMON) OR 3 x 0.128 (GALVANIZED BOX). AT SILL PLATE USE HOT-DIPPED OR TUMBLED GALVANIZED NAILS IN ACCORDANCE WITH BC 2304.10.
 - MINIMUM NAIL PENETRATION INTO FRAMING: 8d - 1 1/2"; 16d - 1 3/4".
 - ALL SILL PLATES TO BE PRESSURE TREATED LUMBER.
 - PROVIDE 1/4"x2 1/4" x 12" (1/4" x 3" x 3" FOR 2x4 WALLS) WASHER PLATES AT SILL PLATE ANCHOR BOLTS WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH OF UP TO 1 3/4". PROVIDE A STANDARD CUT WASHER BETWEEN THE PLATE WASHER AND THE NUT. EDGE OF PLATE WASHER TO BE WITHIN 1/2" OF SHEATHED EDGE OF SILL PLATE. (REFERENCE SECTION 4-A BELOW). FOR DOUBLE SHEATHED WALLS STAGGER PLATE WASHERS TO BE WITHIN 1/2" OF EACH SHEATHING EDGE OF SILL PLATE. (REFERENCE SECTION 8-B BELOW).
 - ANCHOR BOLTS SHALL HAVE A 7" MINIMUM EMBEDMENT INTO CONCRETE AND TERMINATE WITH A STANDARD 90° HOOK OF 3-TIMES THE ANCHOR BOLT DIAMETER AND BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL IN ACCORDANCE WITH BC 2304.10.5.
 - ANCHOR BOLTS MAY BE REPLACED WITH POST-INSTALLED ADHESIVE ANCHORS, POST-INSTALLED DRILL-IN MECHANICAL ANCHORS (EXPANSION BOLTS), OR POST-INSTALLED SCREW ANCHORS. REFER TO GENERAL STRUCTURAL NOTES FOR ACCEPTABLE PRODUCTS. POST-INSTALLED ANCHORS SHALL BE INSTALLED TO SAME DIAMETER AND DEPTH REQUIREMENT AS CAST-IN-PLACE BOLTS.
 - WHERE STUDS ARE CUT FOR PLACEMENT OF ANCHOR BOLTS OR OTHER ELEMENTS, AN ADJACENT STUD SHALL BE ADDED.
 - CONTRACTOR HAS OPTION TO ORIENT BLOCKING WITH WIDE FACE VERTICAL IN WHICH CASE 2x4 BLOCKING IS SUFFICIENT FOR ALL WALLS. PROVIDE BLOCK ON BOTH SIDES OF WALL IN CASES WHERE WALL IS SHEATHED BOTH SIDES.
 - WHERE WOOD SHEATHING IS APPLIED TO BOTH SIDES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR FRAMING MEMBER SHALL BE 2" OR THICKER AND NAILS ON EITHER SIDE SHALL BE STAGGERED.
 - SEE DETAIL 15S11 FOR TYPICAL SHEAR TRANSFER OPTIONS AT FLOORS.
 - CONTRACTOR HAS OPTION TO ELIMINATE RIM BOARD FASTENERS FOR SINGLE SHEATHED SHEARWALLS PROVIDED SHEATHING EDGE FROM SHEARWALL ABOVE AND BELOW OCCURS AT MIDLEVEL OF RIM BOARD AND NAILED WITH REQUIRED EDGE NAIL SPACING AS SCHEDULED. OR SHEATHING IS CONTINUOUS ACROSS RIMBOARD AREA 12" ABOVE AND 12" BELOW WITH NO SPICE. PROVIDE EDGE NAILING BOTH IN THE SILL PLATE ABOVE AS WELL AS DOUBLE TOP PLATE BELOW. REFER TO DETAIL 15S11.
 - AT PARTY WALLS, PROVIDE DOUBLE SHEATHING ON ONE WALL ONLY AND NOT (1) SHEATHING ON BOTH WALLS. HOLDOWN MUST BE LOCATED ON SHEATHED WALL.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
 - AT EXTERIOR RATED WALLS, USE FIRE RETARDANT TREATED STUDS, TOP AND BOTTOM PLATES, BLOCKING, RIMBOARD. USE FIRE RETARDANT TREATED SHEATHING TO MATCH THICKNESS OF SCHEDULED SHEAR WALLS. RIMBOARD SHALL EITHER BE FIRE RETARDANT TREATED 1 1/2" JOIST DEPTH, OR THE WIDER RIMBOARD AND /OR MULTIPLE PILES AS INDICATED IN SCHEDULE. WHICHEVER IS MORE STRINGENT. RIMBOARD SHALL BE RIPPED TO CORRECT DEPTH PRIOR TO FIRE RETARDANT TREATMENT.
 - AT WALLS THAT DO NOT RECEIVE STRUCTURAL SHEATHING, PROVIDE HORIZONTAL BLOCKING CONTINUOUSLY BETWEEN EACH STUD SPACED VERTICALLY AT 4'-0" MAX.



1 WOOD SHEATHING SHEARWALL SCHEDULE [WOOD SHEATHING VERTICAL ORIENTATION]

NOT TO SCALE

WOOD HEADER BEARING SCHEDULE FOR WOOD STUD WALL					
MARK	HEADER	JAMB STUD QUANTITY			COMMENTS
		KING	BEARING		
WH-1	(3) 1.75"x9.25" LVL (F _b = 2600psi MIN)	2	2		
WH-2	(3) 2x10 DFL No. 2	2	2		
WH-3	(3) 1.75"x11.875" LVL (F _b = 2600psi MIN)	3	3		
WH-4	(3) 2x12 DFL No. 2	2	2		
WH-5	(4) 2x10 DFL No. 2	(3) 1.34"x11.875" LVL	(2) 1.34"x11.875" LVL		



2 HEADER BEARING SCHEDULE

NOT TO SCALE

WOOD FASTENER/ HANGER SCHEDULE			
STRUCTURAL ELEMENT DESIGNATION	END CONNECTION		
	WALL/BEAM BEARING	FACE MOUNT HANGER	TOP FLANGE HANGER
2x6, 2x8	SIMPSON 'H1A' OR 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'LUS26' WITH (8) 10d x 3" NAILS INTO BEAM AND (4) 10d x 1 1/2" NAILS TO JOIST	SIMPSON 'JB' WITH (4) 10d x 1 1/2" NAILS INTO JOIST
2X10, 2X12	SIMPSON 'H1A' OR 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'LUS21' WITH (8) 10d x 3" NAILS TO BEAM AND (4) 10d x 1 1/2" NAILS TO JOIST	SIMPSON 'JB' WITH (6) 10d x 1 1/2" NAILS INTO BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO JOIST
1 3/4" X 7' 1/4" LVL	SIMPSON 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'HJ17' WITH (12) 16d x 1 1/2" NAILS INTO JOIST	SIMPSON '8A1.817' 25' WITH (6) 10d x 1 1/2" NAILS INTO TOP OF BEAM, (8) 10d x 1 1/2" NAILS INTO FACE OF BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO JOIST
1 3/4" X (UP TO 16" DEEP) LVL	SIMPSON 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'JUS1.81' WITH 10d x 3" NAILS INTO BEAM (FULL ALL REQUIRED NAIL HOLES)	SIMPSON 'ITS' WITH (4) 10d x 1 1/2" NAILS INTO TOP OF BEAM, (2) 10d x 1 1/2" NAILS INTO TOP OF FACE OF BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO JOIST
WOOD JOISTS (UP TO 16" DEEP)	SIMPSON 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'JUS1' WITH 10d x 3" NAILS INTO BEAM (FULL ALL REQUIRED NAIL HOLES)	SIMPSON 'ITS' WITH (4) 10d x 1 1/2" NAILS INTO TOP OF BEAM, (2) 10d x 1 1/2" NAILS INTO TOP OF FACE OF BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO JOIST
PREFABRICATED ROOF TRUSSES (1 1/2" WIDE X 30" DEEP (MAX))	SIMPSON 'H1A' OR 'H2.5A' WITH (10) 8d x 1 1/2" NAILS	SIMPSON 'HUS26' WITH (16) 16d x 3 1/2" NAILS INTO BEAM AND (6) 16d x 3 1/2" NAILS INTO TRUSS AT BOTTOM CHORD	SIMPSON '8A1.56X' WITH (6) 10d x 1 1/2" NAILS INTO TOP OF BEAM, (8) 10d x 1 1/2" NAILS INTO FACE OF BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO TRUSS
PREFABRICATED FLOOR TRUSSES (3 1/2" WIDE X 28" DEEP (MAX))	SIMPSON 'TH44X' WITH 16d x 3 1/2" NAILS INTO BEAM (FULL ALL REQUIRED NAIL HOLES) AND (6) 16d x 3 1/2" NAILS INTO TRUSS	SIMPSON 'TH44X' WITH 16d x 3 1/2" NAILS INTO BEAM (FULL ALL REQUIRED NAIL HOLES) AND (6) 16d x 3 1/2" NAILS INTO TRUSS	SIMPSON 'BAS.56X' WITH (6) 10d x 1 1/2" NAILS INTO TOP OF BEAM, (8) 10d x 1 1/2" NAILS INTO FACE OF BEAM AND WITH (2) 10d x 1 1/2" NAILS INTO TRUSS
GLULAM BEAMS	(3) 16d x 3 1/2" TOE NAILS	SIMPSON 'LGSU' WITH (16) 14"x2 1/2" SCREWS INTO FACE OF BEAM AND (12) 14"x2 1/2" SCREWS INTO GLB	SIMPSON 'HGLTV' WITH (6) 16d x 2 1/2" NAILS INTO TOP OF BEAM, (12) 16d x 2 1/2" NAILS INTO FACE OF BEAM AND (6) 16d x 2 1/2" NAILS INTO GLB

FIRE RATED HANGERS

STRUCTURAL ELEMENT DESIGNATION	END CONNECTION	
	FACE MOUNT HANGER	TOP FLANGE HANGER
7' 1/4" TO 24" DEEP DIMENSION OR LVL JOISTS	SIMPSON 'DHU' WITH (2) 0.148 x 1.12" ON JOIST AND (8) 14" x 3.1/2" SDS ON FACE	SIMPSON 'DGT' WITH (6) 0.148 x 1/2" NAILS ON THE TOP, (4) 0.148 x 1/2" NAILS ON THE FACE AND (6) 0.148 x 1/2" ON THE JOIST.
24" DEEP TRUSSES	SIMPSON 'DHU' WITH (2) 0.148 x 1.12" ON JOIST AND (8) 14" x 3.1/2" SDS ON FACE	SIMPSON 'DGT' WITH (6) 0.148 x 1/2" NAILS ON THE TOP, (4) 0.148 x 1/2" NAILS ON THE FACE AND (6) 0.148 x 1/2" ON THE JOIST.

- NOTES:**
- SEE JOIST DETAIL CONNECTION AT JOIST END TO DETERMINE WHICH TYPE OF END CONNECTION TO USE.
 - CONNECTION HARDWARE TO BE SIMPSON STRONG TIE OR APPROVED EQUAL.
 - MINIMUM NAIL PENETRATION INTO FRAMING: 8d - 1 1/2"; 10d - 1 5/8"; 16d - 1 3/4" (U.N.O.).
 - USE COMMON NAILS (8d DIAMETER = 0.131", 10d DIAMETER = 0.148", 16d DIAMETER = 0.162").
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

3 WOOD HANGER SCHEDULE

NOT TO SCALE

CONNECTION	NAILING
SILL PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
BLOCKING TO JOIST, TOENAIL EACH END	(2) 8d
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOE NAIL	8d AT 6" O.C.
COLLAR TIE TO RAFTER, FACE NAIL	(3) 10d
JACK RAFTER TO HIP, TOE NAIL	(3) 10d
FACE NAIL	(2) 16d
ROOF RAFTER TO 2x RIDGE BEAM, TOE NAIL	(2) 16d
FACE NAIL	(2) 16d
JOIST TO BAND JOIST, FACE NAIL	(3) 16d
LEDGER STRIP, FACE NAIL	(3) 16d
TOP PLATE TO STUD, END NAIL	(2) 16d
DOUBLE STUDS, FACE NAIL	16d AT 24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d AT 16" O.C. SEE NOTE 6
TOP PLATES, LAPS & INTERSECTION, FACE NAIL	(2) 16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOENAIL	(3) 8d
CONTINUOUS HEADER TO STUD, TOENAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
RAFTER TO PLATE, TOENAIL	(3) 8d
1" BRACE TO EACH STUD & PLATE, FACE NAIL	(2) 8d
BUILT-UP CORNER STUDS	16d AT 24" O.C.
BUILT-UP GIRDER & BEAMS	20d AT 32" O.C. AT TOP, BOTTOM, AND STAGGERED ON OPPOSITE SIDES. (2) 20d AT ENDS AND AT EACH SPLICE.
STUD TO SILL PLATE, TOE NAIL	(4) 8d
END NAIL	(2) 16d
WOOD POST TO SILL PLATE, TOE NAIL	(4) 16d
END NAIL	(4) 16d
PLYWOOD & PARTICLEBOARD	SEE WOOD SCHEDULE USED IN DRAWINGS FOR NAIL SIZE AND SPACING

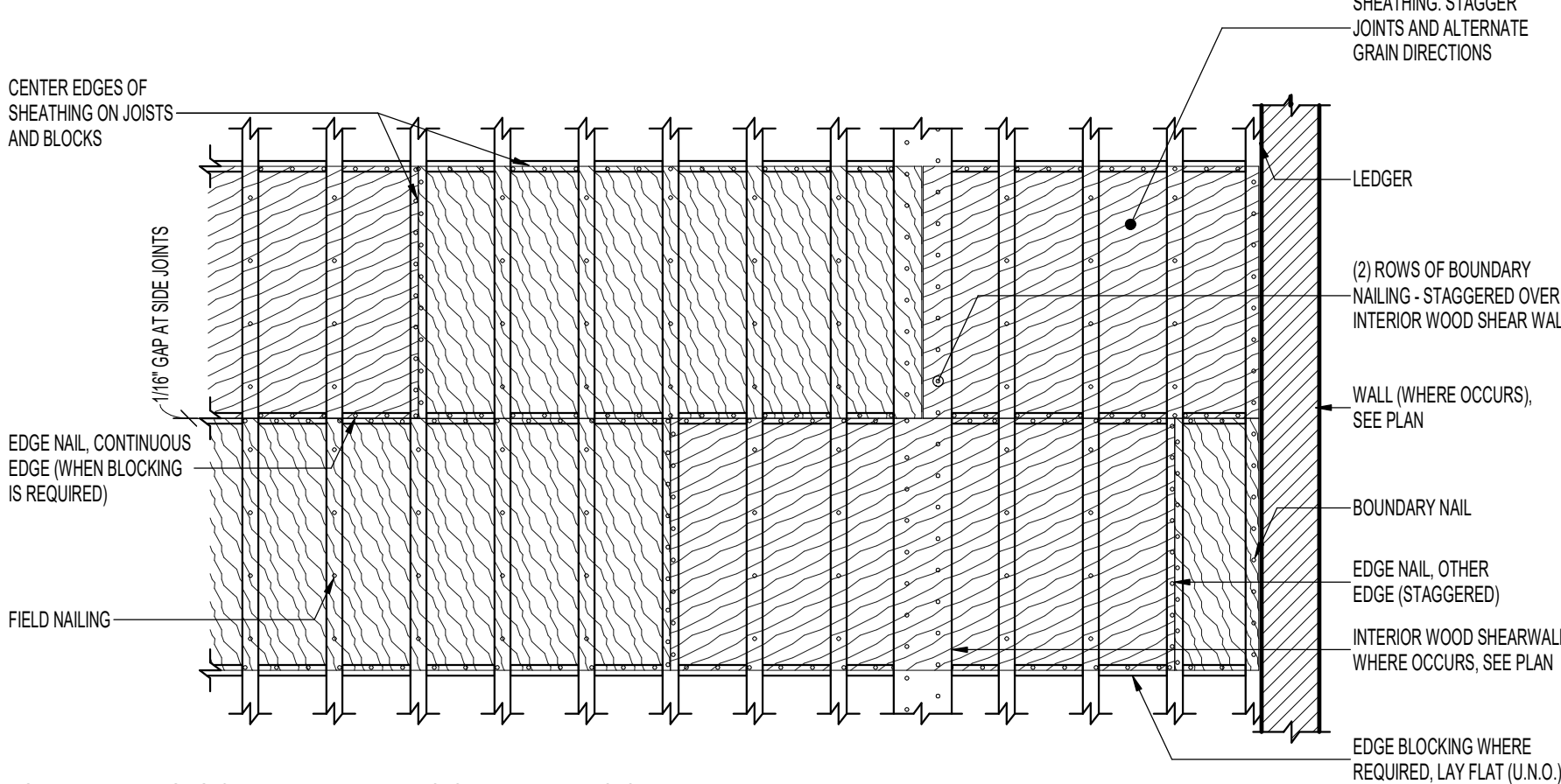
- MINIMUM NAILING NOTES:**
- NAILING SCHEDULE IS PER TABLE 2304.10.1 OF THE I.B.C. 2021.
 - NAILING REQUIREMENTS SHOWN HERE DO NOT REPLACE HARDWARE SHOWN ON THE PLANS OR DETAILS.
 - MINIMUM NAIL PENETRATION INTO FRAMING: 8d - 1 1/2"; 10d - 1 5/8"; 16d - 1 3/4" (U.N.O.).
 - USE COMMON NAILS (8d DIAMETER = 0.131", 10d DIAMETER = 0.148", 16d DIAMETER = 0.162").
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
 - WHERE WALL PANELS ARE FABRICATED WITH WALL SHEATHING NAILED TO LOWER DOUBLE TOP PLATE AND UPPER TOP PLATE IS INSTALLED IN THE FIELD, REDUCE SPACING OF TOP PLATE NAILS TO MATCH SPECIFIED SHEAR WALL EDGE NAIL SPACING. IF WALL HAS SHEATHING ON BOTH SIDES OF WALL, PROVIDE TWO ROWS OF 16d NAILS TO MATCH SPECIFIED SHEAR WALL EDGE NAIL SPACING. AT EACH END OF PLATE PROVIDE NAILS AT SPACING THAT IS LESSER OF SPECIFIED SHEAR WALL EDGE NAILING AND TYPICAL TOP PLATE SPLICE DETAIL.

4 MINIMUM NAILING SCHEDULE

NOT TO SCALE

SHEATHING SCHEDULE AT ROOF AND FLOOR								
LOCATION	WOOD SHEATHING THICKNESS	SPAN RATING	NAIL SIZE	EDGE NAIL CONT	EDGE NAIL OTHER	FIELD NAIL	BOUNDARY NAIL	EDGE BLOCK
ROOF	19/32"	40/20	10d	6"	6"	12"	6"	NO
FLOOR	23/32"	48/24	10d	6"	6"	12"	6"	NO

- SHEATHING NOTES:**
- MINIMUM NAIL PENETRATION INTO FRAMING: 8d - 1 1/2"; 10d - 1 5/8"; 16d - 1 3/4" (U.N.O.).
 - USE COMMON NAILS (8d DIAMETER = 0.131", 10d DIAMETER = 0.148", 16d DIAMETER = 0.162").
 - ALL WOOD FLOOR SHEATHING SHALL BE GLEUED AND NAILED. USE A CONSTRUCTION ADHESIVE.
 - PROVIDE (2) ROWS OF BOUNDARY NAILING STAGGERED OVER INTERIOR SHEAR WALLS AT FLOOR AND ROOF.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

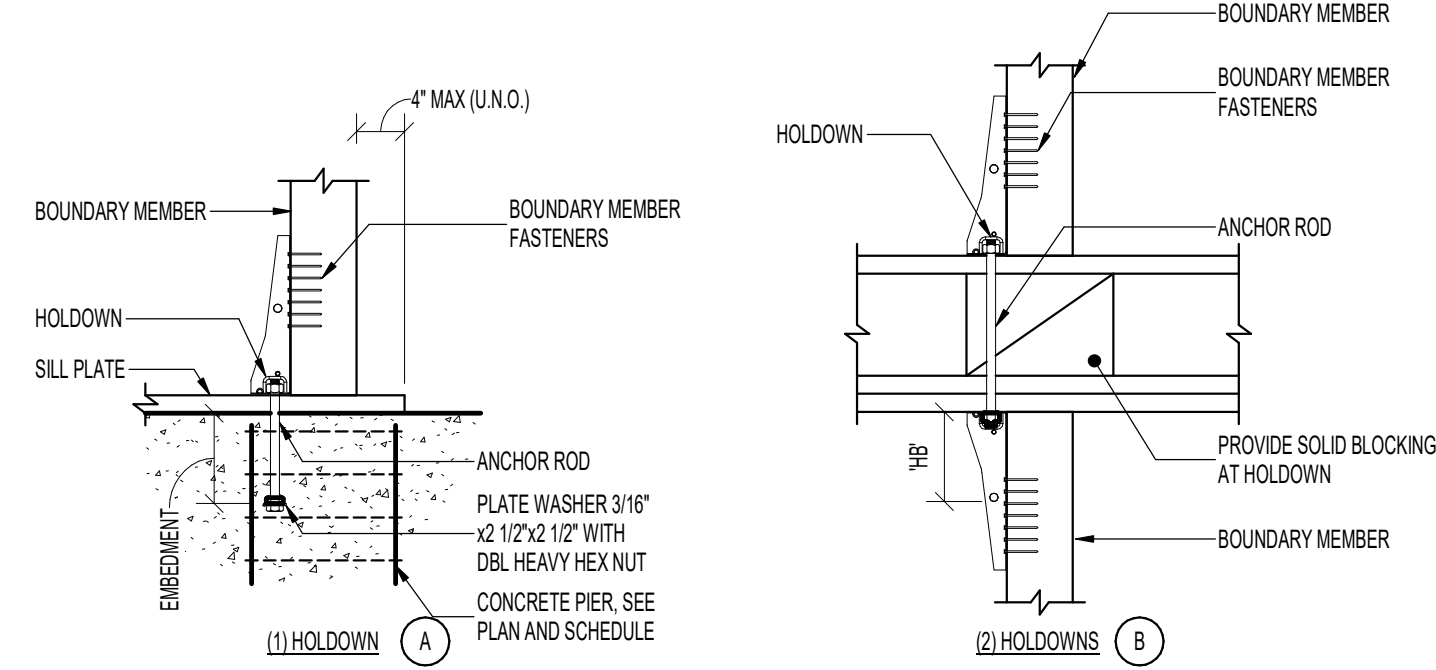


5 SHEATHING SCHEDULE AT ROOF AND FLOOR

NOT TO SCALE

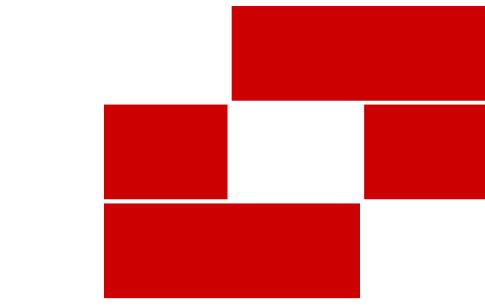
HOLDOWN SCHEDULE										
SIMPSON HOLDOWN	BOUNDARY MEMBER	BOUNDARY MEMBER FASTENERS	END LENGTH	ANCHOR ROD	EMBEDMENT				DETAIL	COMMENTS
					CAST IN PLACE	EPOXY	CAST IN PLACE	EPOXY		
HDUE3	(2) 2x6 DF NO 2 MIN	(7) 1/4" DIA x 3" SDS		5/8" DIA	9"	11"	16"	20"	A, B	NOTE 6
HDUE5	(2) 2x6 DF NO 2 MIN	(10) 1/4" DIA x 3" SDS		5/8" DIA	9"	11"	16"	21"	A, B	NOTE 6
HDUE7	(2) 2x6 DF NO 2 MIN	(13) 1/4" DIA x 3" SDS		5/8" DIA	9"	11"	16"		A, B	NOTE 6
HDUE9	(3) 2x6 DF NO 2 MIN	(16) 1/4" DIA x 3 1/2" SDS		7/8" DIA	13"		16"		A, B	NOTE 6

- HOLDOWN NOTES:**
- ALL HOLDOWNS SPECIFIED ARE "SIMPSON - STRONG TIE". SEE GENERAL STRUCTURAL NOTES FOR SUBSTITUTIONS.
 - LAG SCREWS SHALL NOT BE USED.
 - DO NOT OVER TORQUE TIE. SEE MANUFACTURER'S TORQUE REQUIREMENTS.
 - ANCHOR RODS SHALL BE ASTM A664 C-80 OR A36 TREADS ROD AND SHALL HAVE A 3/16"x2 1/2" x 1/2" PLATE WASHER WITH DOUBLE HEAVY HEX NUT AT THE EMBEDMENT END INTO THE CONCRETE, TYPICAL.
 - INCREASE FOOTING DEPTH WHERE EMBEDMENT LENGTH PLUS 3" IS GREATER THAN FOOTING DEPTH SPECIFIED.
 - WHERE CONCRETE PIER IS PROVIDED IN WALL, ANCHOR BOLT MUST FALL WITHIN THE REINFORCING TIES OF THE PIER.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



6 HOLDOWN SCHEDULE

NOT TO SCALE



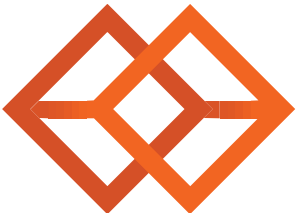
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2765 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

LOUISA MAY ALCOTT COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

MAPLETON, UT

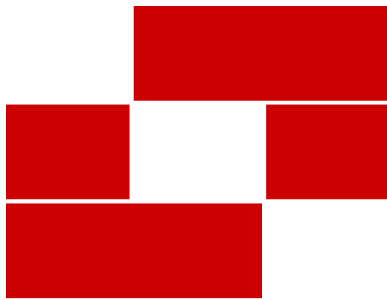
Revisions

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BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



BHB STRUCTURAL
2760 South Main Street
Salt Lake City, Utah 84115
801-355-5656
bhb@bhbengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

Revisions

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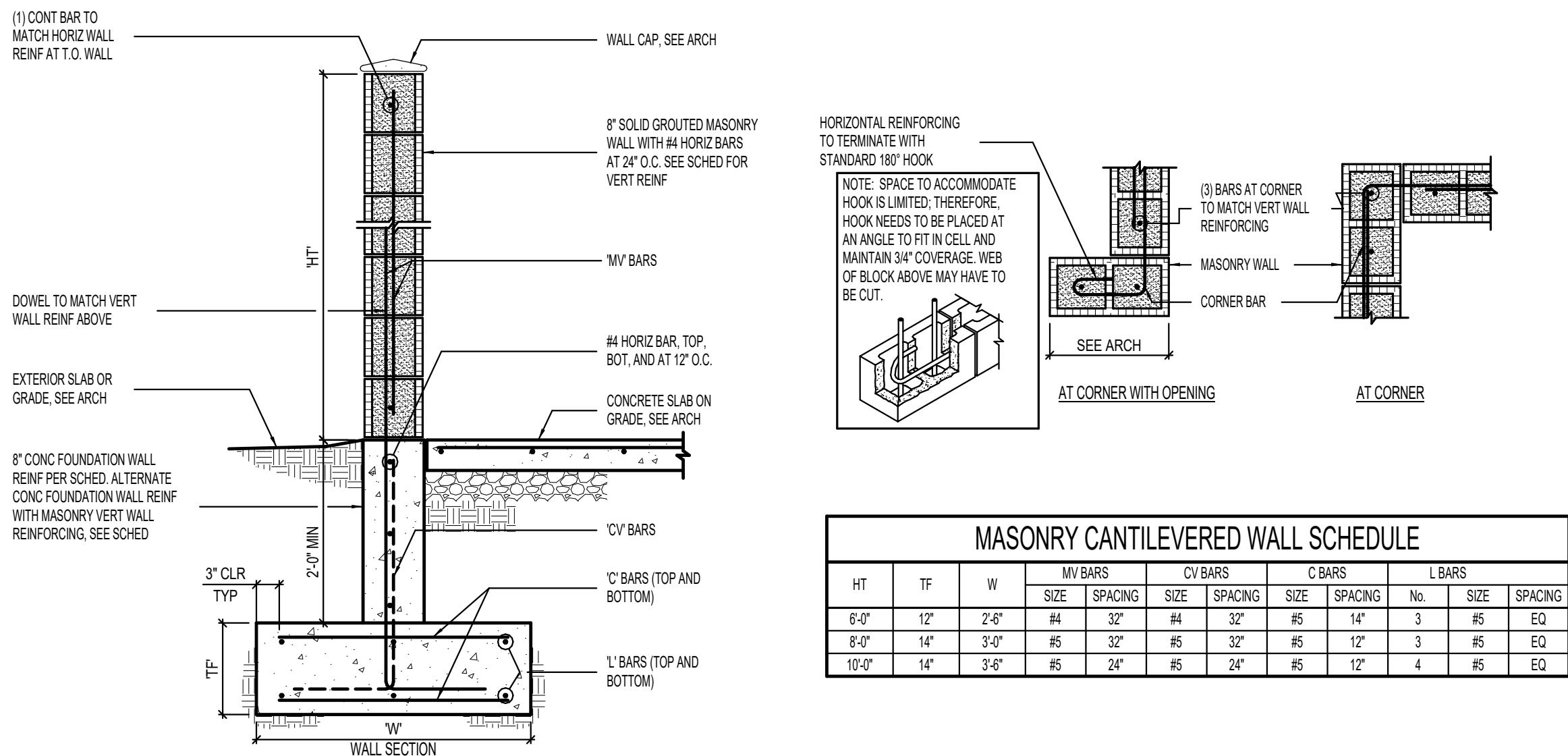
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Sheet Title

SCHEDULES

Sheet Number

S603



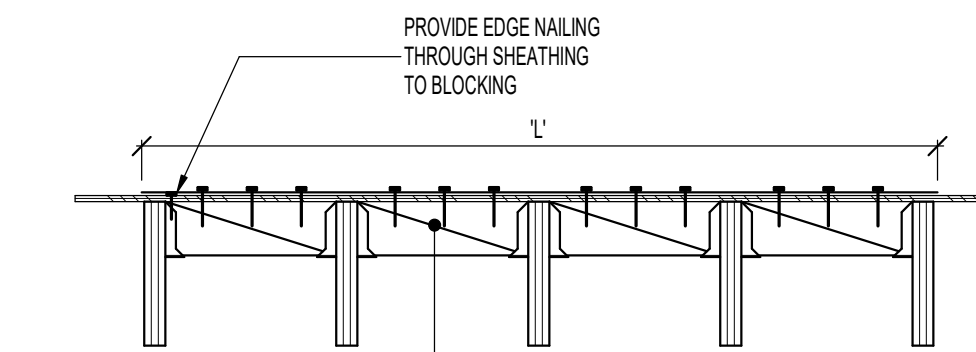
1 CANTILEVERED MASONRY WALL DETAIL

NO SCALE

FLOOR/ROOF STRAP SCHEDULE (ST-x)					
MARK	STRAP	LENGTH (L)	FASTENERS	MINIMUM BLOCKING SIZE	COMMENTS
ST-1	CMSTC16	8'-0"	(2) ROWS 104 COMMON AT 3" O.C.	N/A	
ST-2	CMSTC16	16'-0"	(2) ROWS 104 COMMON AT 3" O.C.	4x6	
ST-3	CMSTC16	20'-0"	(2) ROWS 104 COMMON AT 3" O.C.	4x6	

NOTES:

1. WHERE STRAP DOES NOT OCCUR OVER JOIST OR WALL, PROVIDE CONTINUOUS STUD BLOCKING PER SCHEDULE ABOVE.



BLOCKING AT RAFTERS



PRE-FABRICATED WOOD TRUSS OR BLOCKING. SEE PLAN AND/OR SCHED

2x6 BLOCKING WITH (2) 104 NAILS AT 4" O.C. TO TRUSS BLOCKING

WOOD POST. SEE PLAN AND SCHEDULE

TRUSS BLOCKING TO WALL

FULL HEIGHT TRUSS BLOCKING WITH (2) SIMPSON N44 AT 16" O.C. OR FASTENER INDICATED IN SHEARWALL SCHEDULE. WHICHEVER IS MORE STRINGENT. CLIPS SHALL OCCUR ALONG FULL LENGTH OF STRAP ABOVE WALL.

NOTE: SEE DETAIL 13SS22 FOR TYPICAL CONDITIONS

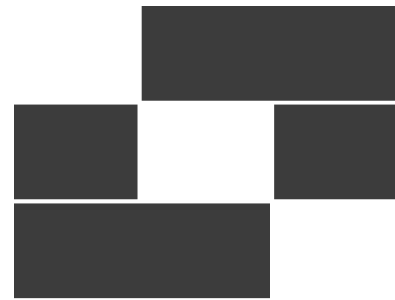
STRAP HT14 WITH 5/8" DIA THREADED ROD AND (6) #10 x 1-1/2" SD SCREENS. PROVIDE 1/4"x2"x2" WASHER PL AND HEAVY HEX NUT

STRAP BLOCKING INDICATED IN SCHEDULE. ATTACH TO FRAMING WITH SIMPSON LUS HANGERS

WOOD POST. SEE PLAN AND SCHEDULE

2 FLOOR/ROOF STRAPPING

NOT TO SCALE



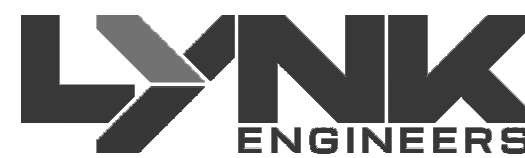
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

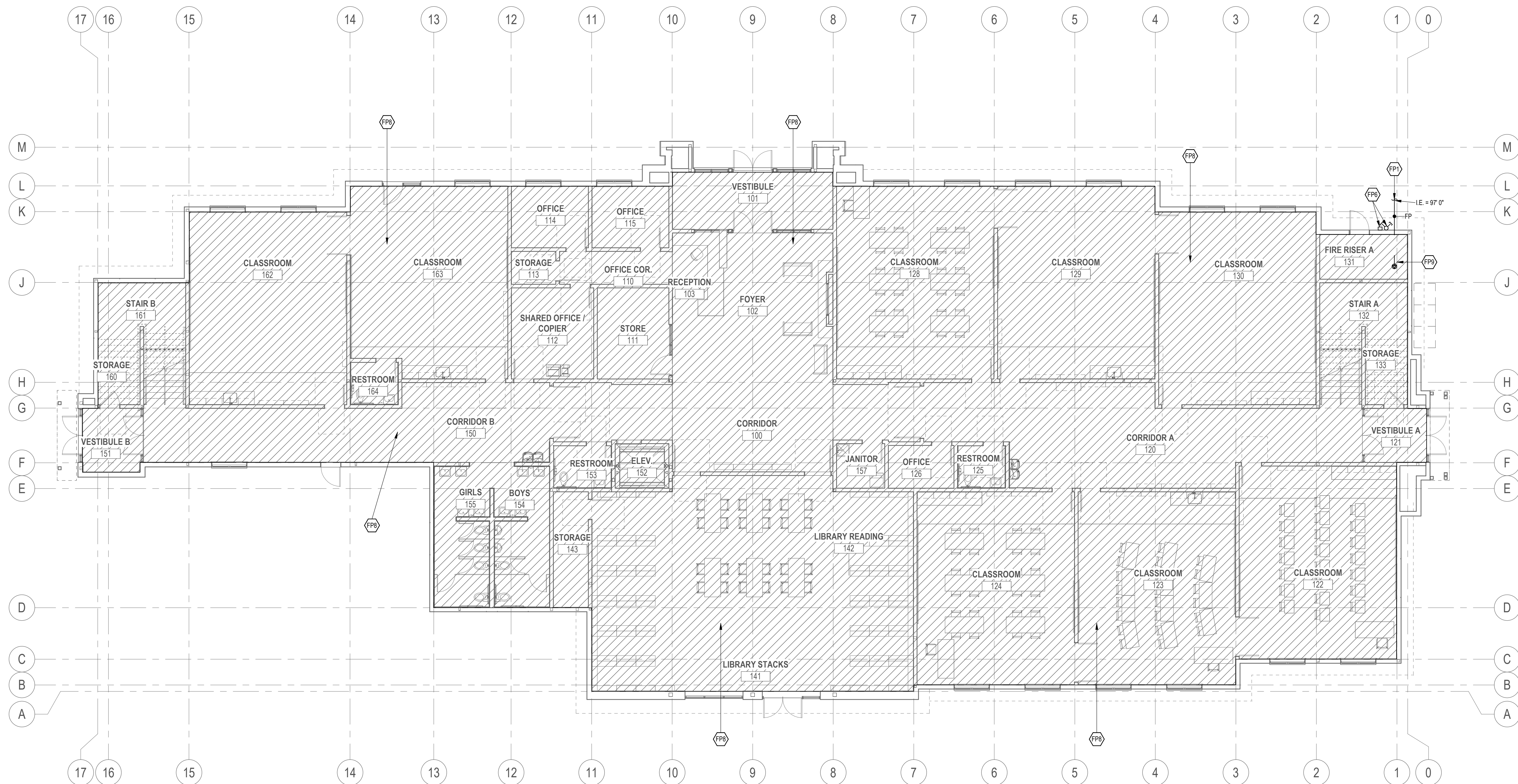
MAPLETON, UT

FIRE PROTECTION GENERAL NOTES

1. NEW SPRINKLER HEADS TO MATCH CEILING TYPE. COORDINATE ARCHITECTURAL SHEETS.
2. FURNISH AND INSTALL NEW PIPE, FITTINGS AND SPRINKLER HEADS AS REQUIRED TO COMPLETE THE WORK.
3. ALL PIPING SHALL BE DOMESTIC.
4. FITTINGS SHALL BE THREADED, WELDED AND GROOVED IN ACCORDANCE WITH LISTING AND NFPA #13 REQUIREMENTS.
5. PLAIN END OR MECHANICAL TEES SHALL NOT BE USED, UNLESS REQUIRED FOR FIELD MODIFICATION OF PIPING SYSTEM.
6. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND PROVIDE ADDITIONAL OFFSETS AS REQUIRED FOR INSTALLATION. SPRINKLER PIPING SHALL BE REROUTED AS REQUIRED WHERE CONFLICTS OCCUR. SPRINKLER CONTRACTORS PROPOSAL SHALL INCLUDE ANY PIPING OFFSETS, OR REVISED CUT LENGTHS.
7. SHOP DRAWINGS SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR USING AN REVIT COMPATIBLE FORMAT. SUBMIT TO OWNER'S INSURANCE REVIEW CONSULTANT AND ARCHITECT AND ENGINEER. AS-BUILT DRAWINGS AND ELECTRONIC DRAWING FILES SHALL BE PROVIDED AT END OF PROJECT BY CONTRACTOR.
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11. NEW FIRE PROTECTION WORK TO INCLUDE HEADS AND PIPING SYSTEM AS REQUIRED TO MEET NFPA REQUIREMENTS.
12. NEW PIPING TO BE SCHEDULE 40 STEEL PIPE LISTED FOR FIRE PROTECTION.
13. SEE ARCHITECTURAL PLANS FOR CEILING HEIGHTS.
14. SUBMIT FIRE PROTECTION DRAWINGS TO LANDLORD/S/OOWNER'S INSURANCE REVIEW CONSULTANT.
15. COORDINATE PIPE ROUTING WITH OTHER TRADES.
16. TIGHT CEILING SPACE WILL REQUIRE SOME SPRINKLER LINES TO OFFSET OVER OR UNDER DUCTWORK, PIPE, OR OTHER OBSTACLES. PROVIDE DRAINS AS REQUIRED.

○ SHEET KEYNOTES

- FP1: EXTEND FIRE PROTECTION PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
- FP6: PROVIDE REMOTE FIRE DEPARTMENT CONNECTION (FDC) TO WET FIRE RISER IN RISER ROOM. PROVIDE KNOX BOX, SIZE FDC TO PROVIDE APPROPRIATE FLOW.
- FP8: AREA(S) SHOWN TO BE PROTECTED WITH A SPRINKLER SYSTEM MEETING THE REQUIREMENTS OUTLINED IN NFPA 13.
- FP9: PROVIDE BACKFLOW PREVENTER WITH ISOLATION VALVES ON EACH END, WATER FLOW SWITCH, PRESSURE GAUGES, AND MAIN DRAIN ROUTED TO THE EXTERIOR.



1 LEVEL 1 FIRE PROTECTION PLAN

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

Original drawing is 36" x 42"

Autodesk Docs: 28531 - Louisa May Alcott Community School 05-02-19 MESL Louisa May Alcott Community School 025.rvt

Revisions

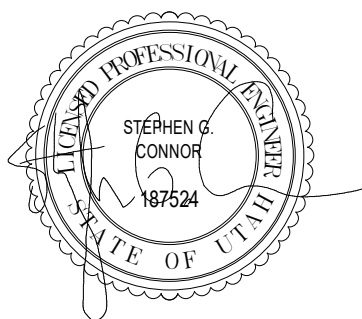
Num.	Description	Date
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Project Number: 28531
Original Issue: 09/04/2026
Project Status: PERMIT SET

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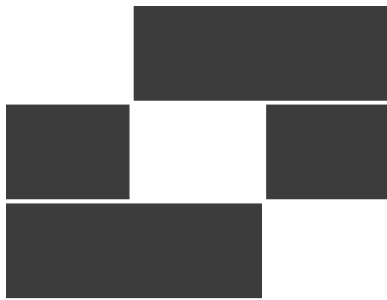


Sheet Title

**FIRE PROTECTION -
LEVEL 1**

Sheet Number

FP101



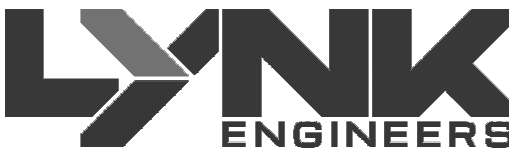
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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

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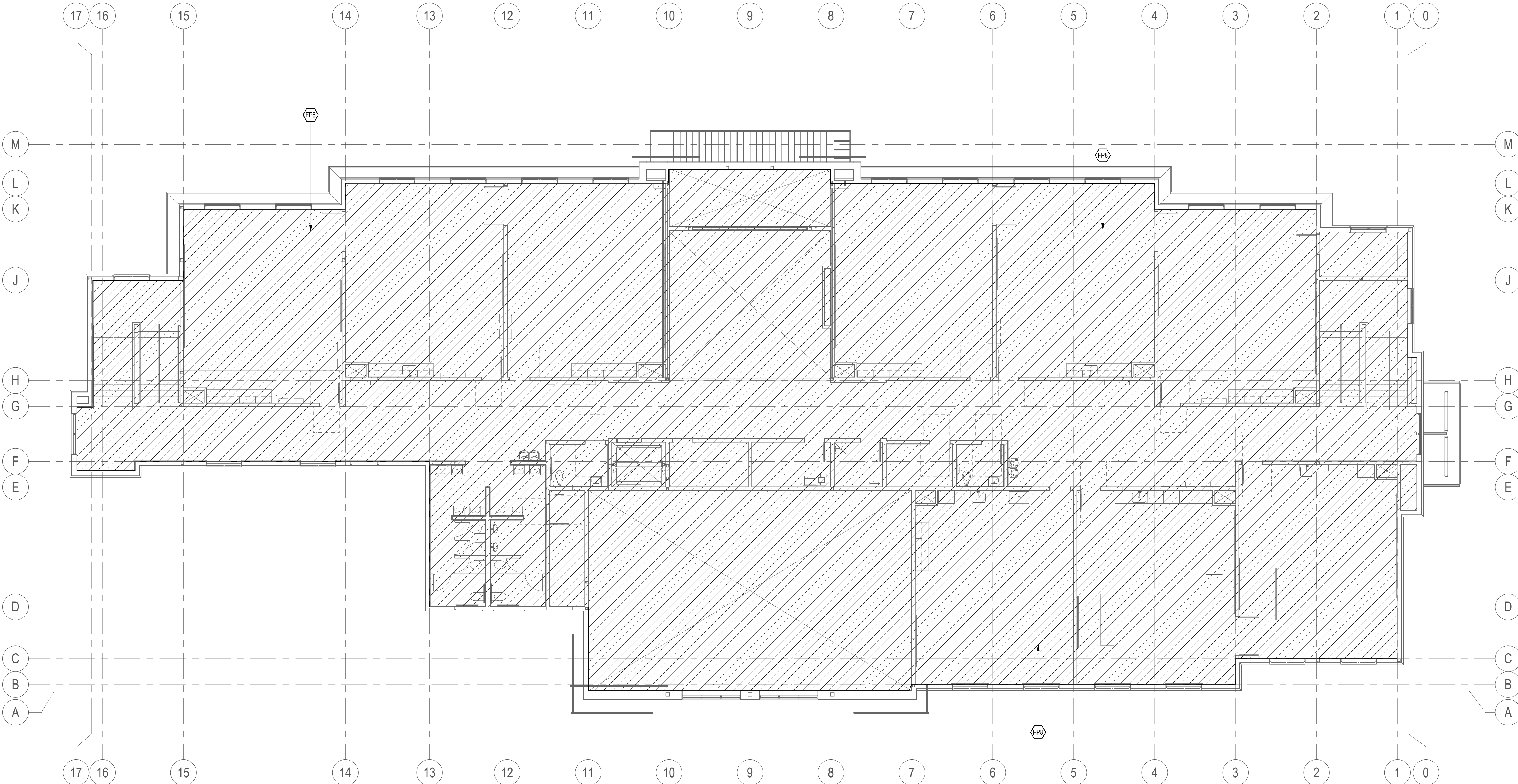
MAPLETON, UT

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SHEET KEYNOTES

FP8 AREAS(S) SHOWN TO BE PROTECTED WITH A SPRINKLER SYSTEM MEETING THE REQUIREMENTS OUTLINED IN NFPA 13.



Revisions

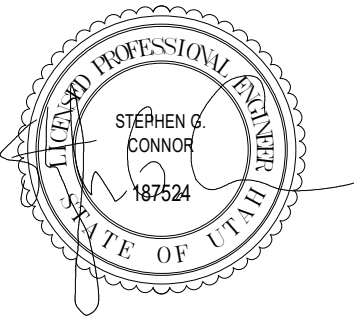
Num.	Description	Date
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Project Number	25526
Original Issue	09/04/2026
Project Status	PERMIT SET

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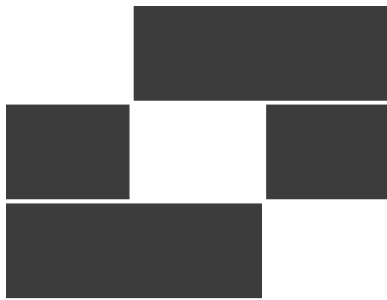
FIRE PROTECTION -
LEVEL 2

Sheet Number

FP102

1 LEVEL 2 FIRE PROTECTION PLAN

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



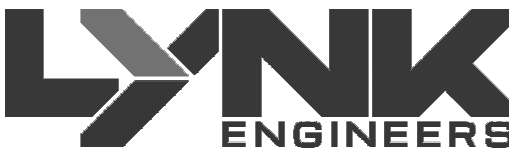
Babcock Design

Salt Lake City
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Salt Lake City, UT 84111
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324 S. State St., Suite 400
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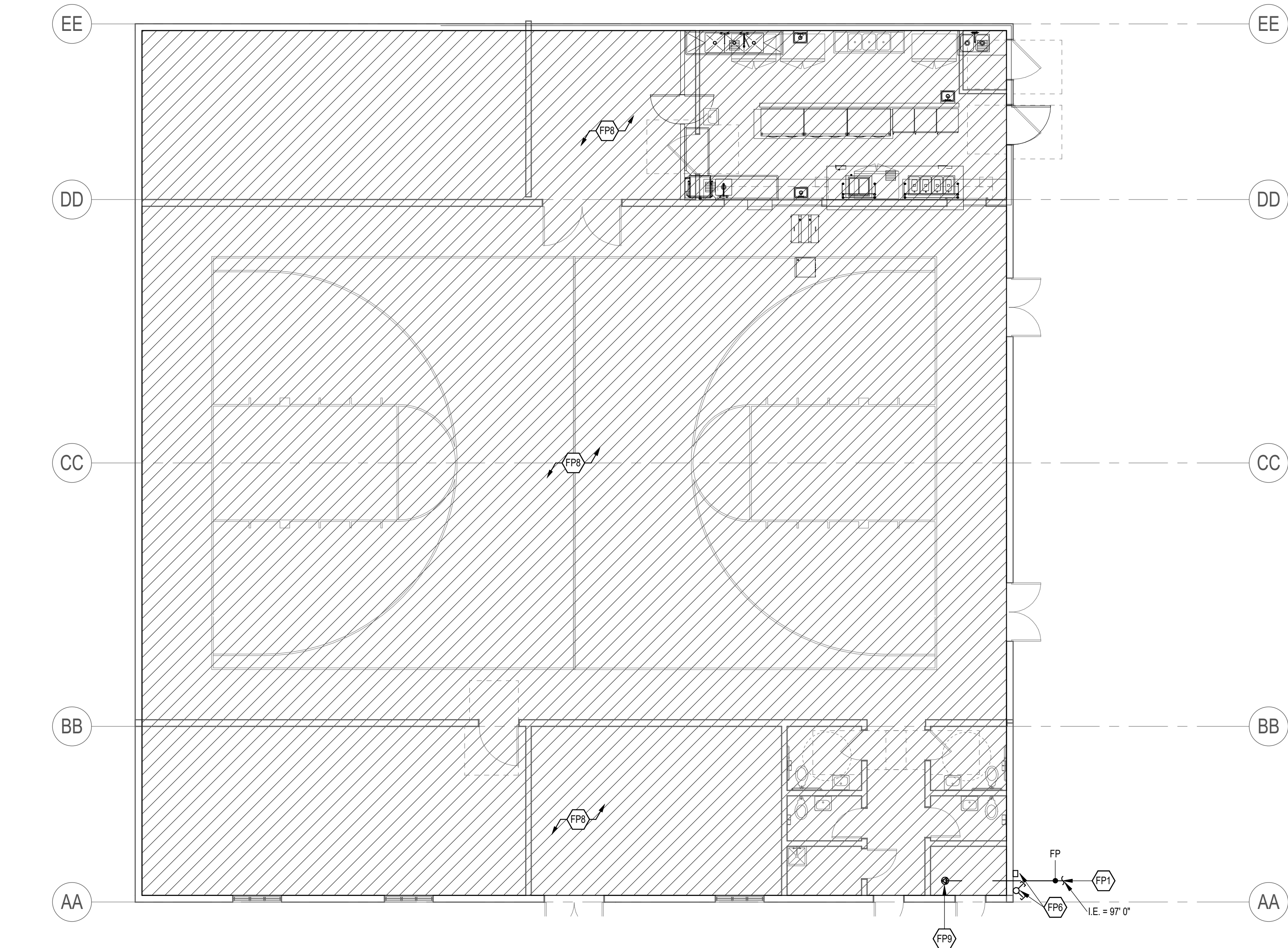
MAPLETON, UT

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1 FIRE PROTECTION PLAN - POLE BARN
SCALE: 1/8" = 1'-0"

Revisions

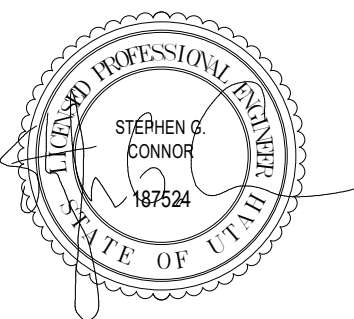
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Project Number	28526
Original Issue	09/04/2026
Project Status	PERMIT SET

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Sheet Title

FIRE PROTECTION -
POLE BARN

Sheet Number

FP151

SYMBOL LEGEND - PIPING	
NOTE: ALL SYMBOLS MAY NOT BE USED	
SYMBOL	DESCRIPTION
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTOMATIC 2-WAY VALVE
	AUTOMATIC 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI VALVE
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	PIPE REDUCER
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEGREE ELBOW UP
	90 DEGREE ELBOW DOWN
	90 DEGREE TEE UP
	90 DEGREE TEE DOWN
	PIPE UNION
	PIPE CAP
	PIPE ANCHOR
	FLOAT AND THERMOSTATIC TRAP
	GAS METER

SYMBOL LEGEND - MECH	
NOTE: ALL SYMBOLS MAY NOT BE USED	
SYMBOL	DESCRIPTION
	SQUARE OR RECTANGULAR SUPPLY DIFFUSER
	SQUARE OR RECTANGULAR RETURN DIFFUSER
	SQUARE OR RECTANGULAR EXHAUST DIFFUSER
	ROUND DIFFUSER
	LINEAR SLOT GRILLE OR DIFFUSER
	FLEXIBLE DUCT
	SIDEWALL GRILLE OR REGISTER
	DUCT HIGH EFFICIENCY TAKE OFF WITH BALANCING DAMPER
	BALANCING DAMPER
	FIRE DAMPER
	FIRE / SMOKE COMBINATION DAMPER
	THERMOSTAT - SENSOR - HUMIDISTAT

SYMBOL LEGEND - DUCTWORK	
NOTE: ALL SYMBOLS MAY NOT BE USED	
SYMBOL	DESCRIPTION
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN DUCT UP
	RECTANGULAR RETURN DUCT DOWN
	RECTANGULAR EXHAUST DUCT UP
	RECTANGULAR EXHAUST DUCT DOWN
	ROUND SUPPLY DUCT UP
	ROUND SUPPLY DUCT DOWN
	ROUND RETURN DUCT UP
	ROUND RETURN DUCT DOWN
	ROUND EXHAUST DUCT UP
	ROUND EXHAUST DUCT DOWN
	OVAL SUPPLY DUCT UP
	OVAL SUPPLY DUCT DOWN
	OVAL RETURN DUCT UP
	OVAL RETURN DUCT DOWN
	OVAL EXHAUST DUCT UP
	OVAL EXHAUST DUCT DOWN
	SPIRAL OVAL DUCT
	SPIRAL ROUND DUCT
	DUCT INSULATION
	DUCT LINING
	90° RECTANGULAR ELBOW WITH TURNING VANES
	90° ROUND RADIUS ELBOW
	GORED OVAL RADIUS ELBOW
	DUCT SIZE OR SHAPE TRANSITION
	DUCT TO BE DEMOLISHED

PIPING LEGEND	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED	
ABBREVIATION	DESCRIPTION
—CHR—	CHILLED WATER RETURN
—CHS—	CHILLED WATER SUPPLY
—CA—	COMPRESSED AIR
—CD—	CONDENSATE DRAIN
—CO2—	CARBON DIOXIDE
—CWR—	CONDENSER WATER RETURN
—CWS—	CONDENSER WATER SUPPLY
—FP—	FIRE PROTECTION
—FOR—	FUEL OIL RETURN
—FOS—	FUEL OIL SUPPLY
—FOV—	FUEL OIL VENT
—GR—	GLYCOL RETURN
—GS—	GLYCOL SUPPLY
—HPC—	HIGH PRESSURE CONDENSATE
—MPC—	MEDIUM PRESSURE CONDENSATE
—LPC—	LOW PRESSURE CONDENSATE
—HPS—	HIGH PRESSURE STEAM
—MPS—	MEDIUM PRESSURE STEAM
—LPS—	LOW PRESSURE STEAM
—HWR—	HEATING HOT WATER RETURN
—HWS—	HEATING HOT WATER SUPPLY
—LPG—	LIQUID PROPANE GAS
—NPW—	NON-POTABLE WATER
—NG—	NATURAL GAS
—NO—	NITROUS OXIDE
—O—	OXYGEN
—PC—	PUMPED CONDENSATE
—RU/RS—	REFRIGERANT PIPING
—RL—	REFRIGERANT LIQUID
—SMR—	SNOW MELT RETURN
—SMS—	SNOW MELT SUPPLY
—VAC—	VACUUM

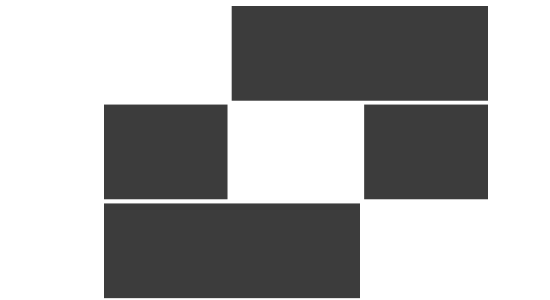
SYMBOL LEGEND - MISC	
REFERENCE LINES AND SYMBOLS	
SYMBOL	DESCRIPTION
	VIEW OR DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW OR DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR: # INDICATES VIEW NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW IS SHOWN.
	ROOM / SPACE INDICATOR
	KEYNOTE INDICATOR
	REVISION INDICATOR
	PLUMBING FIXTURE INDICATOR
	EQUIPMENT INDICATOR
	GRILLE, REGISTER, OR DIFFUSER INDICATOR
	BREAKLINE
	MATCHLINE INDICATOR
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E) EXISTING	MFR MANUFACTURER (EER, ED)
(F) FUTURE	MIN MINIMUM
AC AIR CONDITION (ING, ED)	MVD MANUAL VOLUME DAMPER
AD ACCESS DOOR	NC NORMALLY CLOSED OR
AF AIRFOIL	NCR NORMALLY CLOSED
AFI ABOVE FINISHED FLOOR	NO NOT IN CONTRACT
ALT ALTERNATE	NO NORMALLY OPEN OR NUMBER
APD AIR PRESSURE DROP	NOM NOMINAL
BD BALANCING DAMPER	NPBH NET POSITIVE SUCTION HEAD
BHP BRAKE HORSE POWER	NTS NOT TO SCALE
BI BACKWARD INCLINE	OA OUTSIDE AIR
BOD BOTTOM OF DUCT	OBO OPPOSED BLADE DAMPER
BOP BOTTOM OF PIPE	OD OUTSIDE DIAMETER OR OVERFLOW DRAIN
BTU BRITISH THERMAL UNIT	OFOI OWNER FURNISHED, CONTRACTOR INSTALLED
BTUH BRITISH THERMAL UNITS PER HOUR	OFOI OWNER FURNISHED, OWNER INSTALLED
CAP CAPACITY	OZ OUNCE
CAS CALIBRATED BALANCE VALVE	PD PRESSURE DROP OR DIFFERENCE
CBV CUBIC FEET PER HOUR	PG PROPYLENE GLYCOL
CFM CUBIC FEET PER MINUTE	PH PHASE
COF CONTRA VALVE	PPM PARTS PER MILLION
DB DRY BULB TEMPERATURE	PRV PRESSURE REDUCING VALVE
DCW DOMESTIC COLD WATER	PSF POUNDS PER SQUARE FOOT
DF DRINKING FOUNTAIN	PSI POUNDS PER SQUARE INCH
DHW DOMESTIC HOT WATER	PSIA POUNDS PER SQUARE INCH ABSOLUTE
DHWR DOMESTIC HOT WATER RECIIRC DIAMETER	PSIG POUNDS PER SQUARE INCH GAUGE
DN DOWN	RA RETURN AIR
DP DEPTH, DEEP, OR DROP IN PRESSURE	RD RADIUS
DSN DOWN SPOUT NOZZLE	RD ROOF DRAIN
EA EACH OR EXHAUST AIR	RECR RECIRCULATE (EER, ED, ING)
EAT ENTERING AIR TEMPERATURE	REFR REFRIGERATION
EER ENERGY EFFICIENCY RATIO	REQ REQUIRED
EFF EFFICIENCY	RLA RATED LOAD AMPS
ELEC ELECTRIC	RLF RELIEF AIR
ELEV ELEVATION	RSJ REDUCED PRESSURE BACKFLOW PREVENTOR
ENCL ENCLOSURE	RPM REVOLUTIONS PER MINUTE
ENT ENTERING	SA SUPPLY AIR OR SHOCK ARRESTOR
ESP EXTERNAL STATIC PRESSURE	SAMP SUPPLY AIR, MEDIUM PRESSURE
EXP EXPANSION TANK	SCFM STANDARD CUBIC FEET PER MINUTE
EVAP EVAPORATE (E, ING, ED, OR)	SCW SOFT COLD WATER
EWC ELECTRIC WATER COOLER	SEN SENSIBLE
EWT ENTERING WATER TEMPERATURE	SF SQUARE FEET
EXT EXTERNAL	SH SENSIBLE HEAT
FD FLOOR CLEAN OUT	SM SIMILAR
FLA FIRE DAMPER OR FLOOR DRAIN	SL SEA LEVEL
FO FULL LOAD AMPS	SP STATIC PRESSURE
FO FLAT OVAL	SPEC(S) SPECIFICATION (S)
FPI FINS PER INCH	SQ SQUARE
FM FEET PER MINUTE	SS SANITARY SEWER, SOIL, WASTE OR SERVICE SINK OR STAINLESS STEEL
FPS FEET PER SECOND	STD STANDARD
FS FLOOR SINK	TA TRANSFER AIR
FSD FIRE SMOKE DAMPER	TD TEMP DROP OR DIFFERENCE
FT FEET	TEMP TEMPERATURE
GA GAUGE	TOD TOP OF DUCT
GAL GALLON	TOT TOTAL
GD GARAGE DRAIN	TSP TOTAL STATIC PRESSURE
GE GREASE EXHAUST	TSTAT THERMOSTAT
GPH GALLONS PER HOUR	TYP TYPICAL
GPM GALLONS PER MINUTE	U UPRNAL
GW GREASE WASTE	V VOLT, VOLTAGE OR VENT
HD HEAD	VAC VACUUM
HG MERCURY	VAV VARIABLE AIR VOLUME
HP HORSEPOWER	VD VOLUME DAMPER
HR HOUR	VEL VELOCITY
HT HEIGHT	VENT FLUE VENT OR VENTILATION
HTG HEATING	VERT VERTICAL
HZ HERTZ (FREQUENCY)	VFD VARIABLE FREQUENCY DRIVE
IN INCH	VOL VOLUME
KW KILOWATT	VTR VENT THROUGH ROOF
L LAVATORY OR LOUVER	W WITH
LAT LEAVING AIR TEMPERATURE	WB WITHOUT
LBS POUNDS	WB WET BULB TEMPERATURE
LH LATENT HEAT	WC WATER CLOSET OR WATER COLUMN
LRA LOCKED ROTOR AMPS	WCO WALL CLEANOUT
LVG LEAVING	WG WATER GAUGE
LWT LEAVING WATER TEMPERATURE	WHA WATER HAMMER ARRESTOR
MA MAKE-UP AIR	WPD WATER PRESSURE DROP
MAX MAXIMUM	WT WEIGHT
MBH THOUSAND BRITISH THERMAL UNITS PER HOUR	WTR WATER
MCA MINIMUM CIRCUIT AMPS	Ø ROUND OR DIAMETER
MECH MECHANICAL	

MECHANICAL GENERAL NOTES	
1.	THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT, & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS, OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.
2.	MAJOR DEVIATIONS SUCH AS CHANGES IN SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
3.	THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING FURNISHED & INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH DOCUMENTS.
4.	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.
5.	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ALL CODES, RULES, REGULATIONS, & REQUIREMENTS OF THE BUILDING OWNER.
6.	ALL MECHANICAL COMPONENTS AND EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH ANY APPLICABLE LOCAL SEISMIC REQUIREMENTS.
7.	PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER, WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
8.	VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS, FOR ALL EQUIPMENT PRIOR TO ORDERING OR FABRICATING MECHANICAL EQUIPMENT AND COMPONENTS.
9.	THE SPACE ABOVE CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED &/OR INSTALLED. ANY CONFLICTS &/OR CHANGES FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10.	ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
11.	THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW & USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12.	ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS. STRUCTURAL ELEMENTS SHOWN IN DETAILS MAY OR MAY NOT PERTAIN TO ANY PORTION OF THE BUILDING. COORDINATE ALL MOUNTING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS.
13.	ALL MECHANICAL COMPONENTS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER RECOMMENDATIONS.
14.	ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER. AIR INLETS & OUTLETS OF SIMILAR TYPES SHALL BE OF THE SAME MANUFACTURER.
15.	ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS DEEMED UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT CHECK-IN, SATEKEEPING, & DAMAGE.
16.	COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.
17.	CONTRACTOR SHALL OPERATE INSTALLED &/OR MODIFIED SYSTEMS & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER &/OR OWNER TO PROVE ALL ASSOCIATED SYSTEMS ARE OPERATIONAL.
18.	DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES OR DEVIATIONS IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REDLINED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT / ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
19.	ALL DUCT ELBOWS SHALL BE LONG RADIUS, UNLESS NOTED OTHERWISE.

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED," "REQUESTED," "AUTHORIZED," "SELECTED," "APPROVED," "REQUIRED," AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER," "REQUESTED BY THE ENGINEER," AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED," WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	

MECHANICAL SHEET INDEX	
MH151	POLE BARN MECHANICAL PLAN
MH111	LEVEL 1 MECHANICAL ZONE PLAN
MH121	LEVEL 2 MECHANICAL ZONE PLAN
MH151	POLE BARN MECHANICAL ZONE PLAN
ME001	MECHANICAL COVER SHEET
ME001	MECHANICAL DETAILS
ME001	MECHANICAL SCHEDULES
MH111	LEVEL 1 MECHANICAL PLAN
MH121	LEVEL 2 MECHANICAL PLAN
MH131	ROOF MECHANICAL PLAN



Babcock Design

Salt Lake City
 52 Exchange Place
 Salt Lake City, UT 84111
 801.531.1144

Boise
 800 W Main Street, Suite 940
 Boise, ID 83702
 208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
 Salt Lake City, UT 84111
 800-678-7077
 801-328-5151
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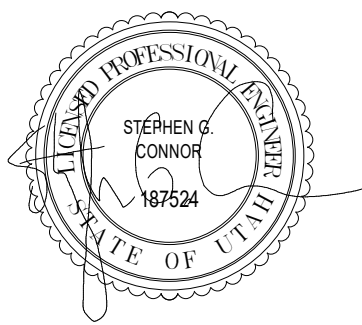
Name: Description: Date:

Project Number: 25526
 Original Issue: 09/04/2026
 Project Status: PERMIT SET

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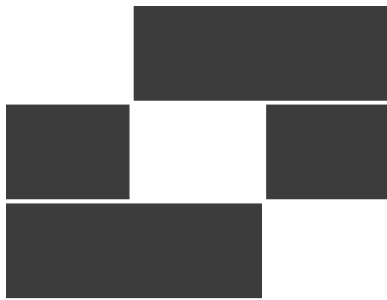


Sheet Title

MECHANICAL COVER
SHEET

Sheet Number

ME001



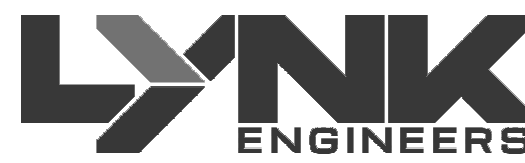
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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

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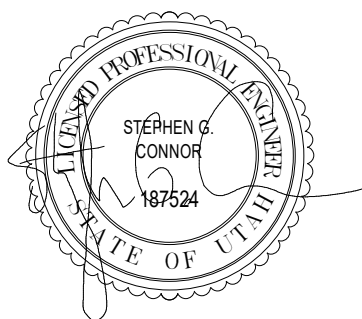
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Project Number 28526
Original Issue 09/04/2026
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Sheet Title

LEVEL 1 MECHANICAL
PLAN

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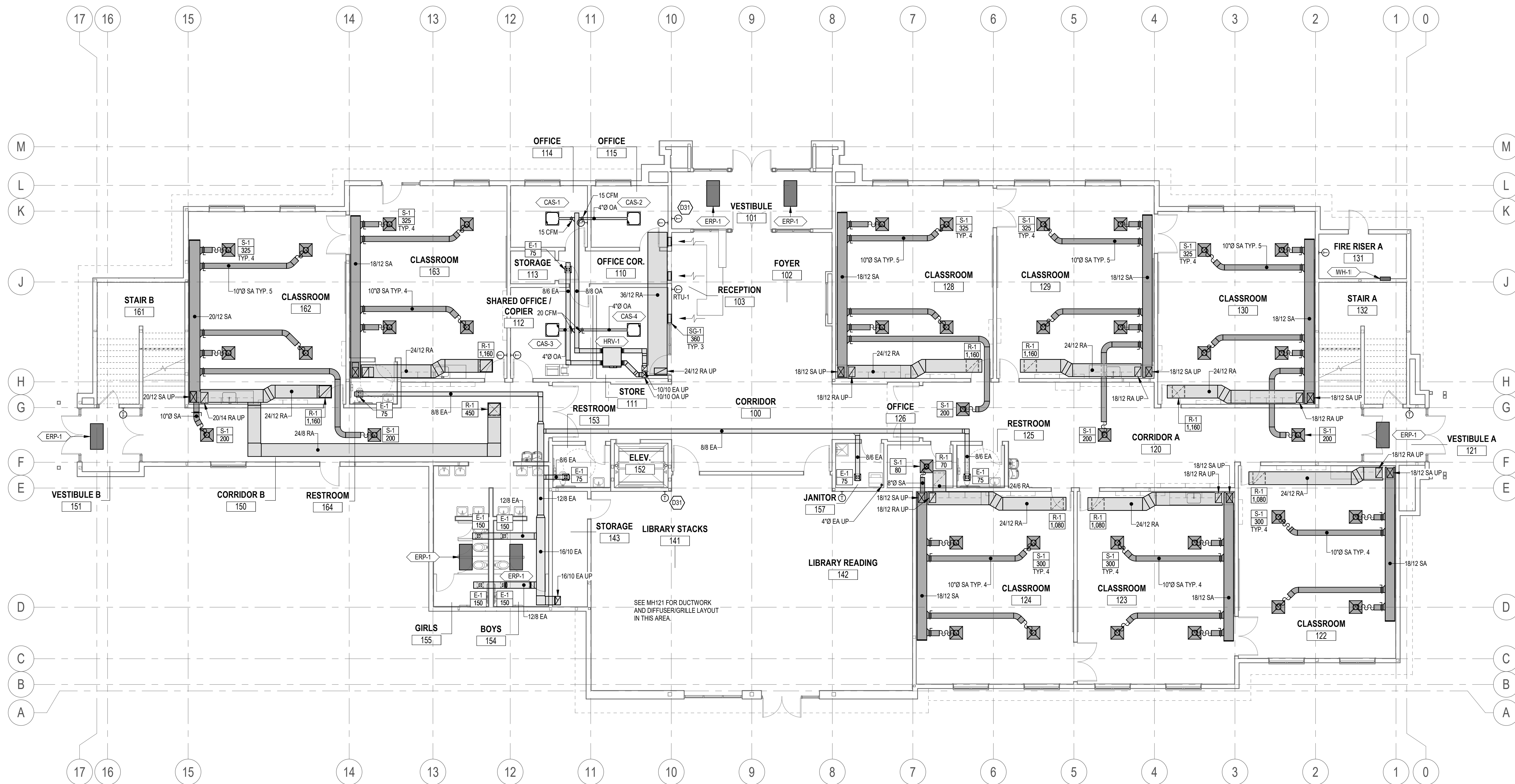
MH111

MECHANICAL GENERAL NOTES

1. OFFSET NEW DUCT AS REQUIRED TO COORDINATE WITH OTHER TRADES.
2. DUCTWORK ABOVE GYP BOARD CEILINGS SHALL BE HARD DUCTED.
3. CONTRACTOR SHALL PROVIDE ALL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEMS.
4. A YOUNG TYPE GEAR REGULATOR SHALL BE USED ON ALL DAMPERS LOCATED ABOVE GYP BOARD CEILINGS.
5. ROOMS WITH WALLS EXTENDING TO ABOVE CEILING TO BOTTOM OF DECK ARE REQUIRED TO HAVE 14/12 TRANSFER AIR (TYPICAL).
6. COORDINATE MOUNTING HEIGHT OF AIR DEVICES GRILLES WITH EXPOSED CEILINGS WITH ARCHITECT AND OWNER.
7. BRANCH SIZE TO MATCH DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
8. ALL DUCT TRANSITIONS FROM ROOF TOP UNIT DROPS TO BE PER MANUFACTURER DRAWING SIZE.
9. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
10. EXHAUST GRILLES ARE TYPICALLY BELOW EXHAUST DUCTWORK. PLEASE REFER TO TAGS AND TYP. QTY NOTES TO AFFIRM HOW MANY GRILLES ARE IN SPACE.
11. ALL ROOFTOP EQUIPMENT TO MAINTAIN A MINIMUM OF 10'-0" FROM EDGE OF ROOF.
12. DUCT DROPS FROM ROOFTOP EQUIPMENT DUCTS ARE TO MAINTAIN EQUIPMENT OPENING SIZE THROUGH PENETRATION OF BUILDING ENVELOP. TRANSITION TO SIZES SHOWN ONCE INSIDE BUILDING.
13. AIR TERMINALS AND MECHANICAL EQUIPMENT WITH "RT" TAG INDICATES EQUIPMENT TO BE SALVAGED AND REUSED FOR NEW CONSTRUCTION. SEE NEW CONSTRUCTION SHEETS FOR NEW LOCATIONS.
14. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON STRUCTURAL HEADERS REQUIRED AT DUCT DROPS FROM ROOFTOP UNITS.

SHEET KEYNOTES

- D3 BOTH PIECES OF EQUIPMENT SERVING THIS SPACE ARE TO BE CONTROLLED BY THIS THERMOSTAT.



LEVEL 1 MECHANICAL PLAN

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



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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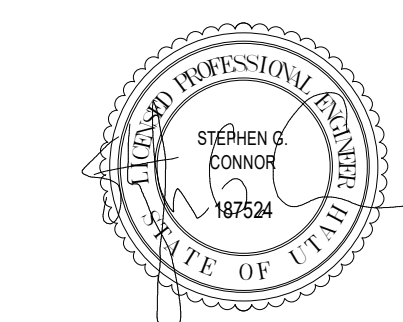
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Sheet Title

LEVEL 2 MECHANICAL
PLAN

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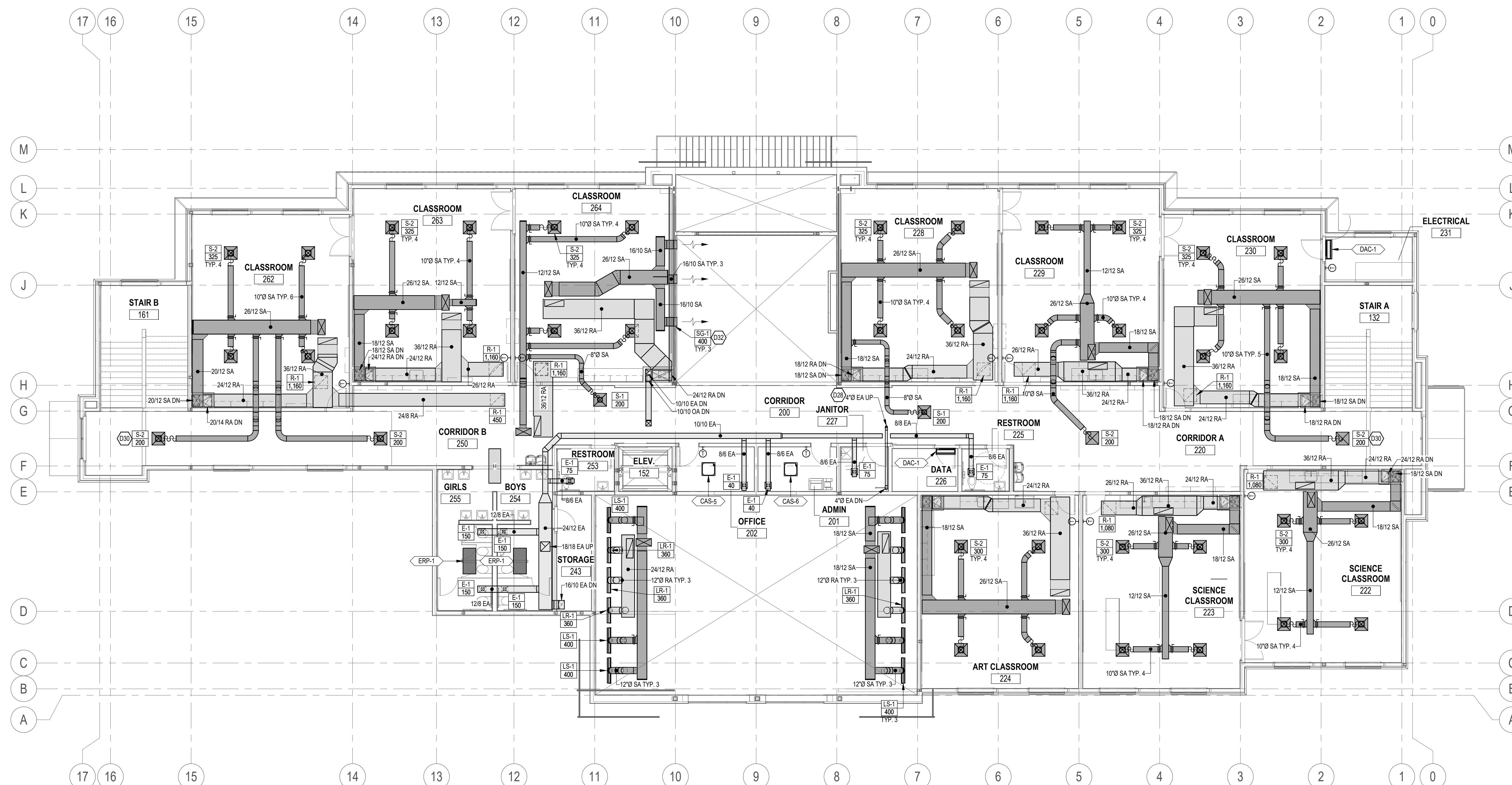
MH121

1. OFFSET NEW DUCT AS REQUIRED TO COORDINATE WITH OTHER TRADES.
2. DUCTWORK ABOVE GP ROOF CEILING SHALL BE HARD DUCT.
3. CONTRACTOR SHALL PROVIDE ALL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEM.
4. A YOUNG TYPE GEAR REGULATOR SHALL BE USED ON ALL DAMPERS LOCATED ABOVE GYP ROOF CEILING.
5. ROOMS WITH WALLS EXTENDING TO ABOVE CEILING TO BOTTOM OF DECK ARE REQUIRED TO HAVE 1412 TRANSFER AIR (TYPICAL).
6. ROOMS WITH WALLS EXTENDING TO AIR DEVICES GRILLS WITH EXPOSED CEILING TO BE ARCHITECT AND OWNER.
7. BRANCH SIZE TO MATCH DIFFUSER NEAR SIZE UNLESS NOTED OTHERWISE.
8. AIRFLOW TOLERANCES SHALL BE AS SHOWN ON THE MANUFACTURER DRAWING SIZE.
9. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
10. EXHAUST GRILLS ARE TYPICALLY BELOW EXHAUST DUCTWORK. PLEASE REFER TO TAGS AND TYP. FOR NOT TO AVOID EXHAUST GRILLING.
11. ALL ROOF TOP EQUIPMENT TO MAINTAIN A MINIMUM OF 10' FROM EDGE OF ROOF.
12. DUCT DROPS FROM ROOF TOP EQUIPMENT DUCTS ARE TO MAINTAIN EQUIPMENT OPENING SIZE THROUGH PENETRATION OF BUILDING EAVE. TAGS TO BE SHOWN ON EXISTING BUILDING.
13. AIR TERMINALS AND MECHANICAL EQUIPMENT WITH "R" TAG INDICATES EQUIPMENT TO BE SALVAGED AND REQUIRED FOR NEW CONSTRUCTION. SEE NEW CONSTRUCTION SHEETS FOR NEW LOCATIONS.
14. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON STRUCTURAL HEADERS REQUIRED AT DUCT

D28 DRYER EXHAUST DUCT TO RUN UP THROUGH ROOF. TERMINATE WITH DRYER VENT CAP WITH BIRD SCREEN.

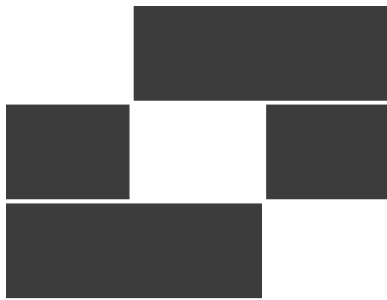
D30 COORDINATE DIFFUSER INSTALLATION WITH TRUSSES AND EXACT LOCATIONS.

D32 ANGLE BLADES DOWN AT 45°.



1 LEVEL 2 MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

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



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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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Consultant



324 S. State St., Suite 400
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800-678-7077
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www.lynkengineers.com

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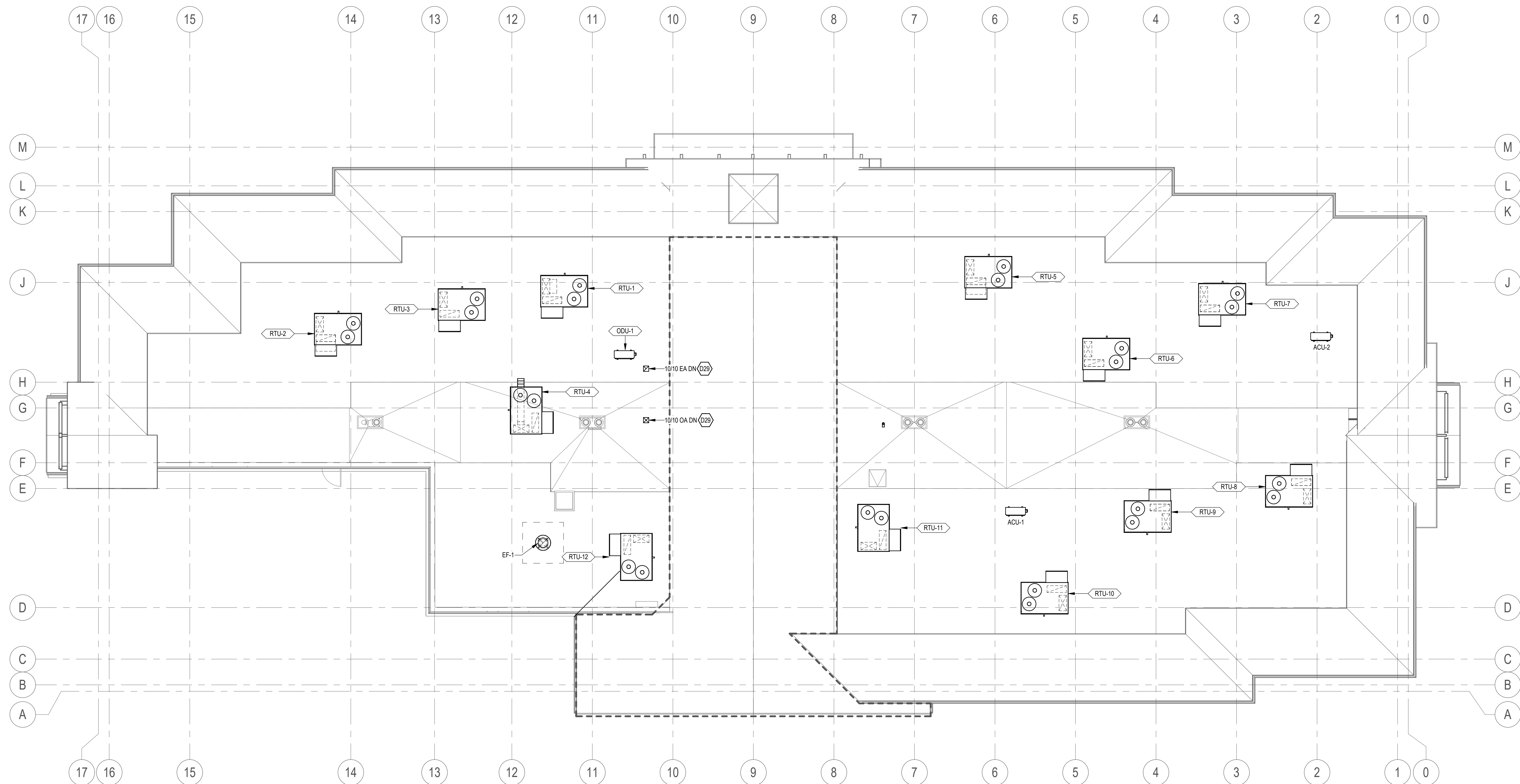
MECHANICAL GENERAL NOTES

1. OFFSET NEW DUCT AS REQUIRED TO COORDINATE WITH OTHER TRADES.
2. DUCTWORK ABOVE GYP BOARD CEILINGS SHALL BE HARD DUCTED.
3. CONTRACTOR SHALL PROVIDE ALL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEMS.
4. A YOUNG TYPE GEAR REGULATOR SHALL BE USED ON ALL DAMPERS LOCATED ABOVE GYP BOARD CEILINGS.
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7. BRANCH SIZE TO MATCH DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
8. ALL DUCT TRANSITIONS FROM ROOF TOP UNIT DROPS TO BE PER MANUFACTURER DRAWING SIZE.
9. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
10. EXHAUST GRILLES ARE TYPICALLY BELOW EXHAUST DUCTWORK. PLEASE REFER TO TAGS AND TYP. QTY NOTES TO AFFIRM HOW MANY GRILLES ARE IN SPACE.
11. ALL ROOFTOP EQUIPMENT TO MAINTAIN A MINIMUM OF 10'-0" FROM EDGE OF ROOF.
12. DUCT DROPS FROM ROOFTOP EQUIPMENT DUCTS ARE TO MAINTAIN EQUIPMENT OPENING SIZE THROUGH PENETRATION OF BUILDING ENVELOP. TRANSITION TO SIZES SHOWN ONCE INSIDE BUILDING.
13. AIR TERMINALS AND MECHANICAL EQUIPMENT WITH "R" TAG INDICATES EQUIPMENT TO BE SALVAGED AND REUSED FOR NEW CONSTRUCTION. SEE NEW CONSTRUCTION SHEETS FOR NEW LOCATIONS.
14. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON STRUCTURAL HEADERS REQUIRED AT DUCT DROPS FROM ROOFTOP UNITS.

SHEET KEYNOTES

- D2 TERMINATE EX OR OA DUCT WITH ROOF CAP WITH BIRD SCREEN.

9



1 ROOF MECHANICAL PLAN

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

Revisions

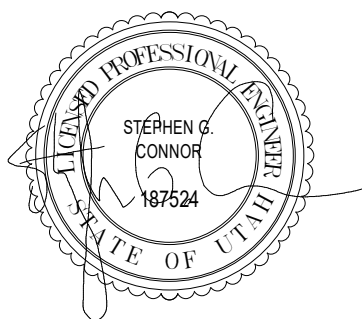
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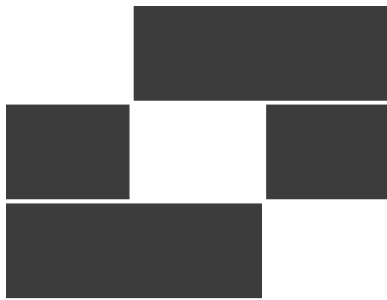


Sheet Title

ROOF MECHANICAL
PLAN

Sheet Number

MH131



BabcockDesign

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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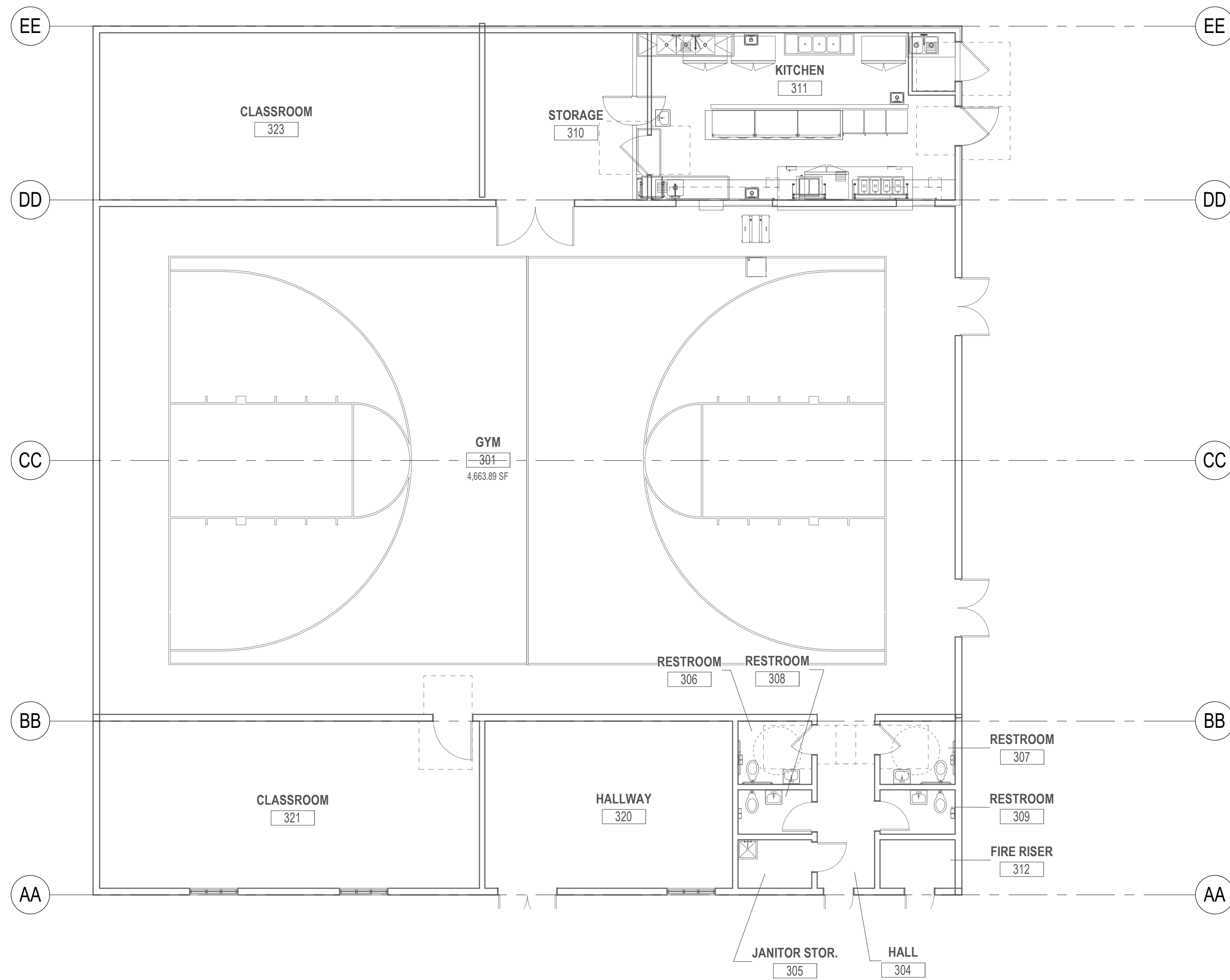
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MAPLETON, UT

MECHANICAL GENERAL NOTES

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12. DUCT DROPS FROM ROOFTOP EQUIPMENT DUCTS ARE TO MAINTAIN EQUIPMENT OPENING SIZE THROUGH PENETRATION OF BUILDING ENVELOP. TRANSITION TO SIZES SHOWN ONCE INSIDE BUILDING.
13. AIR TERMINALS AND MECHANICAL EQUIPMENT WITH "R1" TAG INDICATES EQUIPMENT TO BE SALVAGED AND REUSED FOR NEW CONSTRUCTION. SEE NEW CONSTRUCTION SHEETS FOR NEW LOCATIONS.
14. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON STRUCTURAL HEADERS REQUIRED AT DUCT DROPS FROM ROOFTOP UNITS.

SHEET KEYNOTES



1 POLE BARN MECHANICAL PLAN

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

Revisions

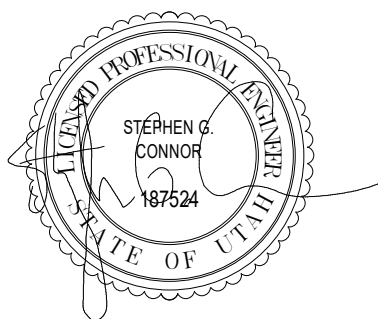
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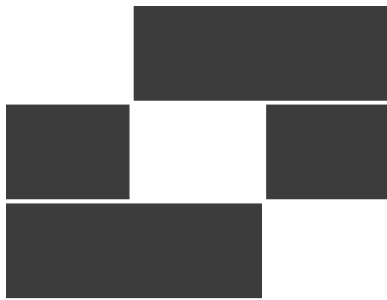


Sheet Title

POLE BARN
MECHANICAL PLAN

Sheet Number

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Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

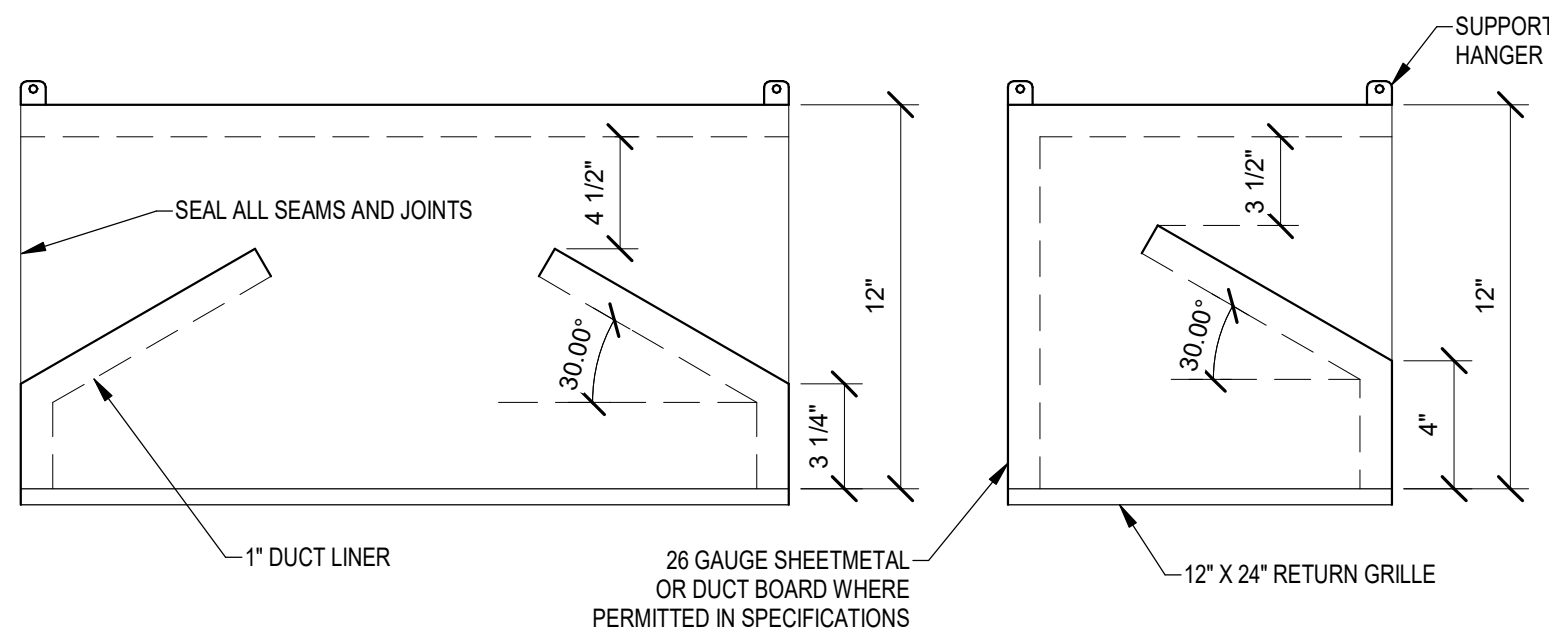


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800-678-7077
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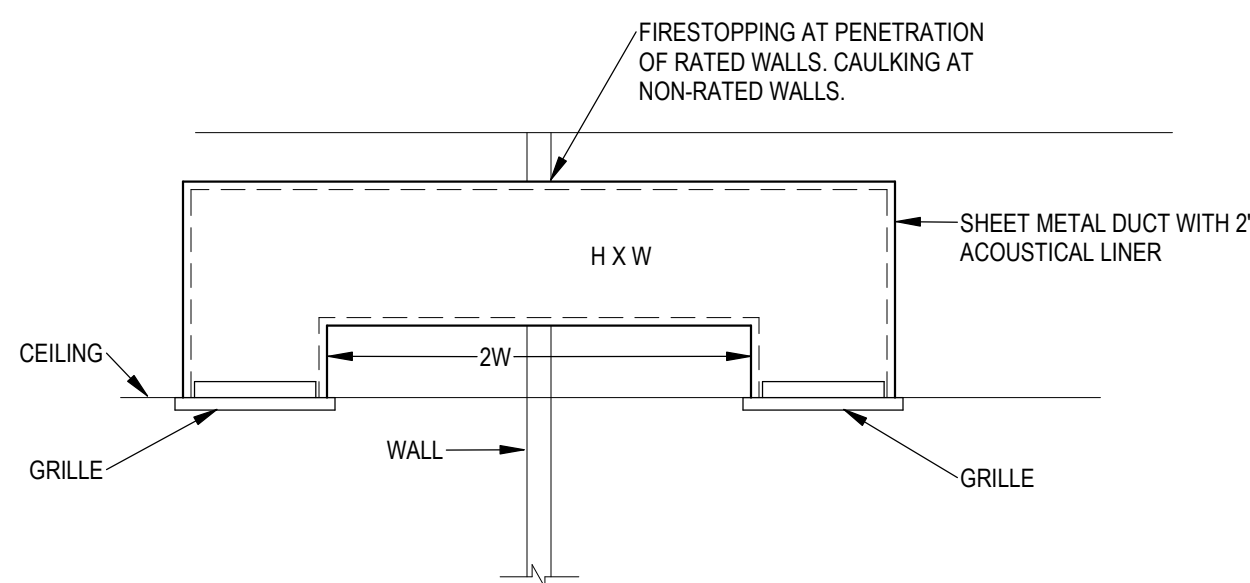
MAPLETON, UT



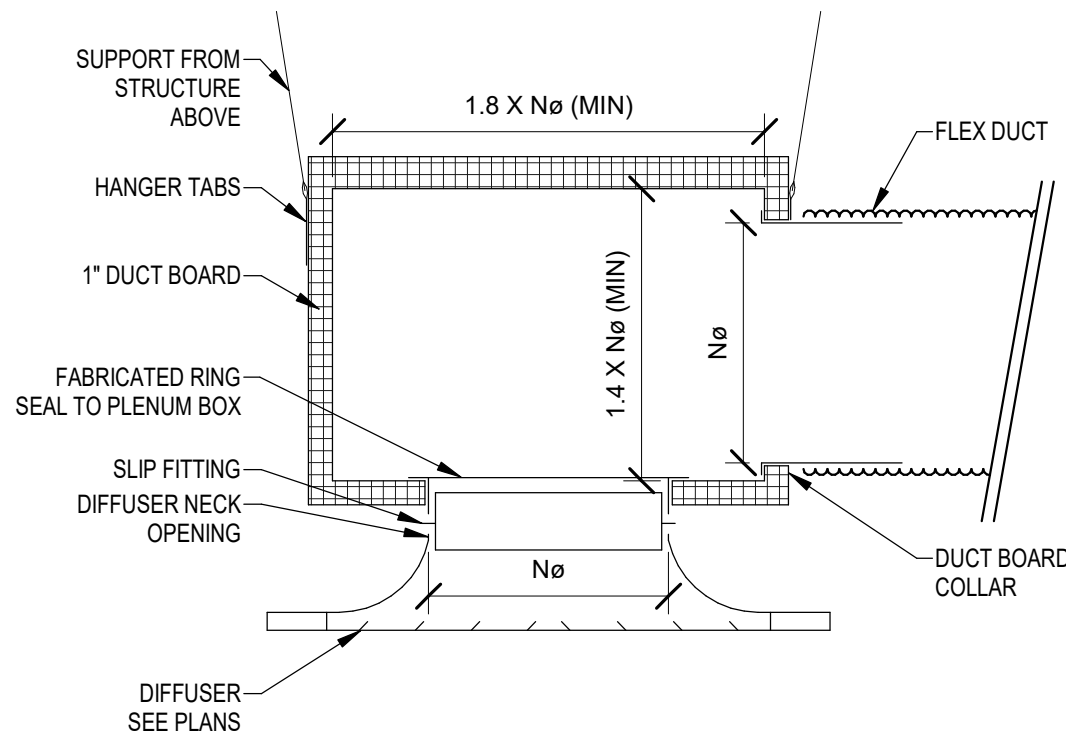
1 AIR DEVICE - RETURN AIR SOUND BOOT
SCALE: 1/8" = 1'-0"

SIZE	GRILLE NECK (INXIN)	W (IN)	H (IN)	MAX. TRANSFER (CFM)	APPROX. ΔP (INWG)	AIR DEVICE (REFER TO SCHEDULE)
H	22 X 10	22	6	300	0.07	R-1
J	22 X 22	22	12	600	0.07	R-1

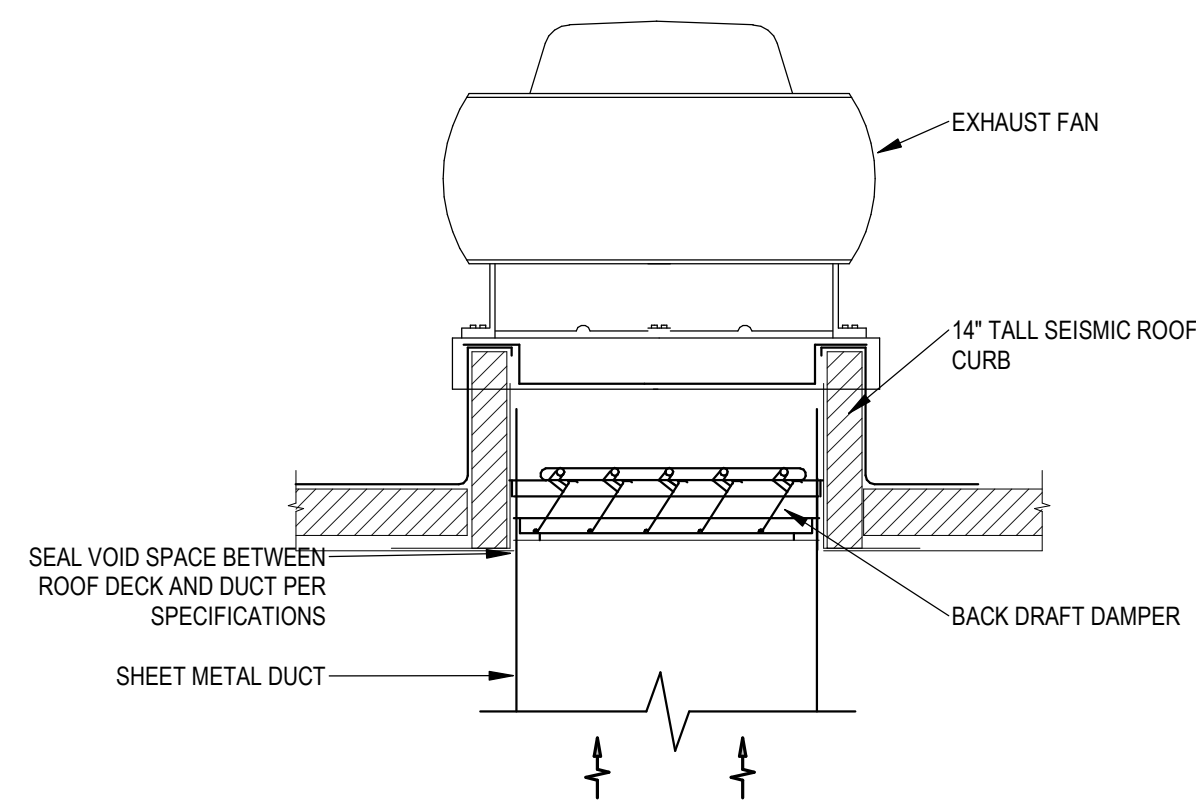
H AND W ARE CLEAR INSIDE DIMENSIONS



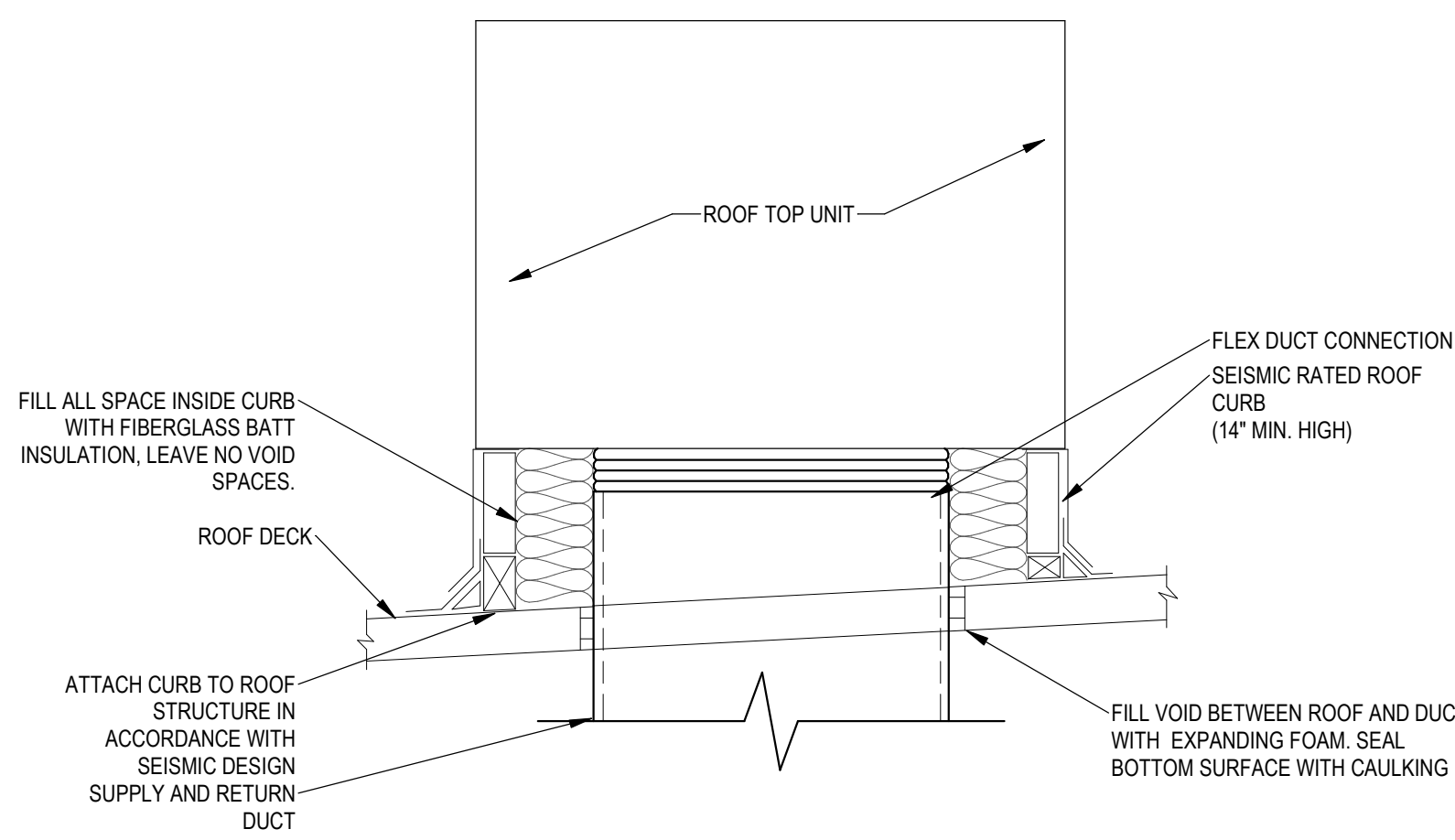
4 DUCT - TRANSFER AIR (CEILING GRILLE-GRILLE)
SCALE: 1/8" = 1'-0"



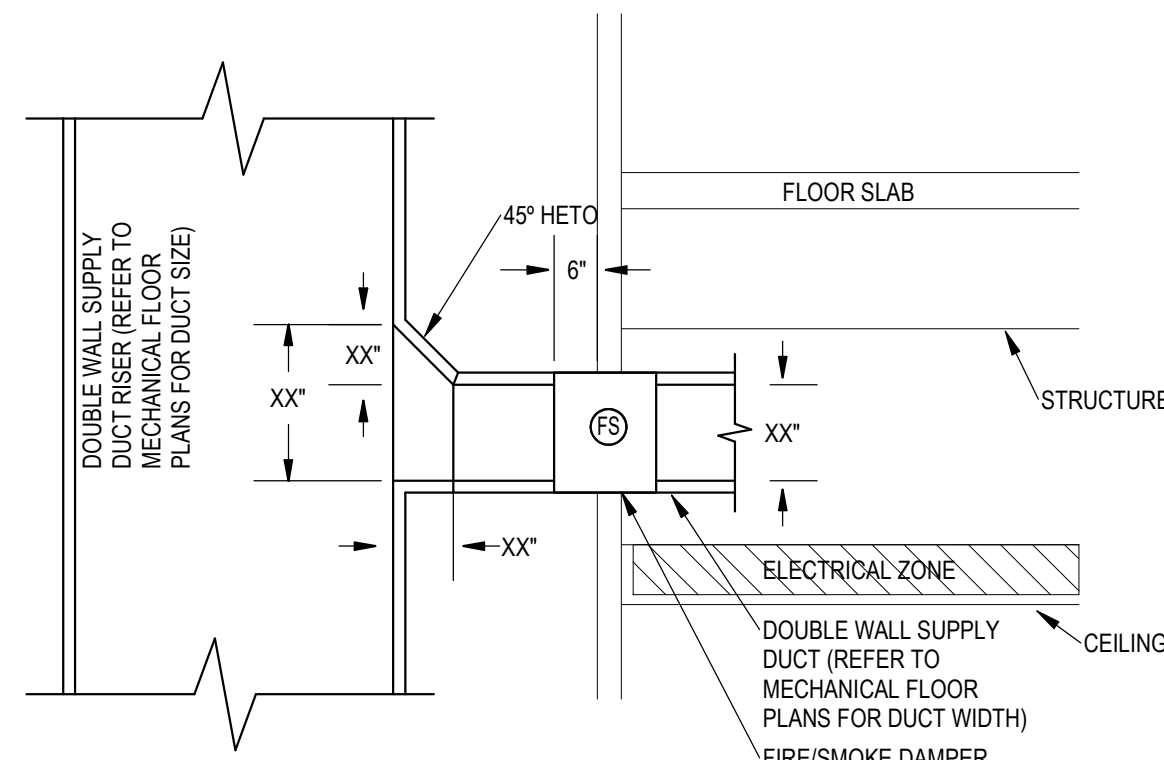
2 AIR DEVICE - SUPPLY AIR PLENUM
SCALE: 1/8" = 1'-0"



5 EXHAUST FAN - CURB
SCALE: 1/8" = 1'-0"

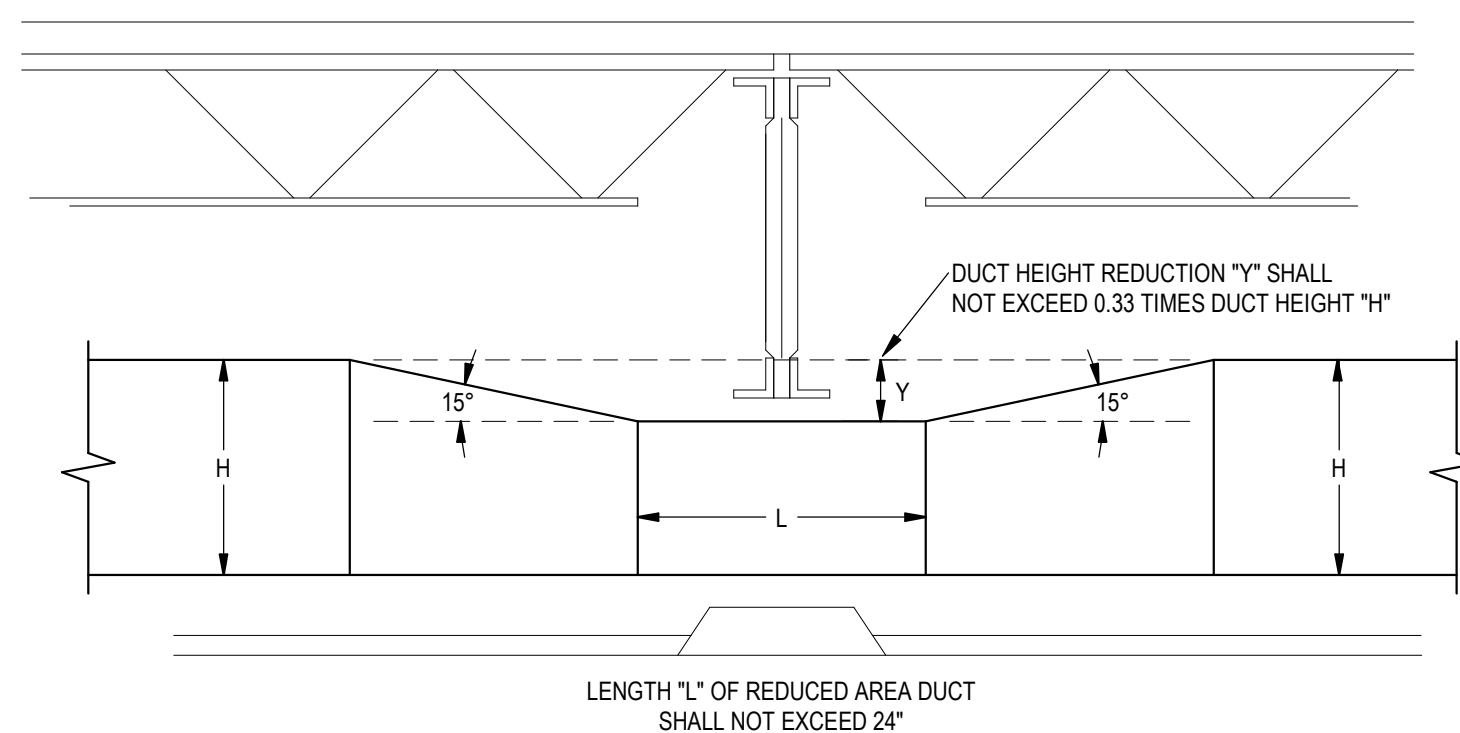


6 ROOF TOP UNIT CURB1
SCALE: 1/8" = 1'-0"



** DIMENSIONS SHOWN ARE INSIDE DUCT DIMENSIONS **

7 SUPPLY DUCT RISER HIGH EFFICIENCY TAKE-OFF (HETO)
SCALE: 1/8" = 1'-0"



3 DUCT - SLICE UNDER STRUCTURE
SCALE: 1/8" = 1'-0"

Revisions

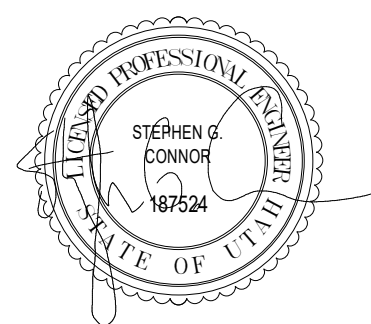
Num. Description Date

Project Number 20508
Original Issue 09/04/2026
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Sheet Title

MECHANICAL DETAILS

Sheet Number

ME501



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

Consultant



NEW CHARTER SCHOOL CAMPUS

REMARKS	
1	PROVIDE ACCESSORY CO2-W / CO2 CONTROL WALL MOUNT
2	PROVIDE MOTORIZED RA CONTROL DAMPER
3	PROVIDE EBTRON OUTDOOR AIR MONITORING STATION AT OUTSIDE AIR (OSA) DAMPER
4	PROVIDE PRESSURE INDEPENDENT MOTORIZED OSA CONTROL DAMPER
5	PROVIDE ROOF CURB FOR SLOPED ROOF. CONTRACTOR TO VERIFY ROOF SLOPE PRIOR TO ORDERING

AIR DEVICE SCHEDULE (GRD)									PLAN CODE	GRILLE CFM
PLAN CODE	TYPE & DUTY	FACE SIZE (IN)	NECK / NOMINAL SIZE (IN)	CEILING TYPE	MAX CFM	MAX TP (IN WC)	NC LEVEL MAX	MIN THROW TSO (FT)	MANUFACTURER & MODEL NO.	REMARKS
S-1	SQUARE PLAQUE DIFFUSER	24 x 24	80	LAY-IN	225	0.05	15	8	PRICE SPD	1, 2, 3
S-2	SQUARE PLAQUE DIFFUSER	24 x 24	100	LAY-IN	325	0.07	15	9	PRICE SPD	1, 2, 3
LS-1	LINEAR SLOT SUPPLY	48" L-4 SLOT	100	MATCH CEILING	415	0.090	17	32	PRICE SDS100/w/ SDBI PLENUM	1, 2, 3, 4
LR-1	LINEAR SLOT RETURN	48" L-3 SLOT	N/A	MATCH CEILING	400	0.108	28	N/A	PRICE SDR100, NO PLENUM	1, 2, 3, 4
SG-1	SIDEWALL GRILLE	16 x 10	N/A	MATCH WALL	450	0.047	N/A	31	PRICE 20 / 30	1, 2, 3, 5
D-1	HIGH CAPACITY DRUM LOUVER	—	6 x 9	DUCT	225	0.14	26	34	PRICE HCD	1, 2, 3
R-1	PERFORATED RA GRILLE	24 x 24	18 x 18	LAY-IN	1555	0.12	22	N/A	PRICE PDRR 24 x 24 MODULE	1, 2, 3
E-1	PERFORATED EA GRILLE	8 x 8	6 x 6	MATCH CEILING	125	0.23	30	N/A	PRICE 10	1, 2, 3

PLAN CODE	NOMINAL TONS	HEATING / COOLING CFM	MIN OA (CFM)	OA TEMP (°F)	ARI SEER / ARI SEER2	ARI EER / EER	SUPPLY FAN ESP (WG)	COOLING				HEATING				FILTER	ECONOMIZER	RELIEF	ELECTRICAL				CONTROLS	CURB		MAX DIMENSIONS					MANUFACTURER / MODEL	REMARKS
								EAT DB (°F)	LAT DB (°F)	GROSS CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	GROSS CAPACITY INPUT (MBH)	GROSS CAPACITY OUTPUT (MBH)				FUEL	VOLT / PH	MCA / MOCP	BACKUP POWER		DISCONNECT	TYPE	HEIGHT (IN)	L (IN)	W (IN)	H (IN)	WT (LB)		
RTU-1	3	1200	205	97.8	15.0	12.5	1.0	80	59	38	21	60	102	57	45	NG	MERV 8	YES	BAROMETRIC	460 / 3	11 / 15	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	74	49	33	628	YORK KYG04DC1AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-2	8.5	4000	725	97.8	-	12.0 / 14.6	0.9	80	62	111	64	60	92	145	116	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG06EC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-3	8.5	3500	715	97.8	-	12.0 / 14.6	1.0	80	62	107	59	60	86	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG06DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-4	4	1500	340	97.8	- / 15.0	12.5	1.0	80	60	51	27	60	93	57	45	NG	MERV 8	YES	BAROMETRIC	460 / 3	10 / 15	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	74	49	41	690	YORK KYG05DC1AA5G113A	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-5	8.5	3100	700	97.8	-	12.0 / 14.6	1.0	80	60	103	56	60	89	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG050DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-6	8.5	3200	725	97.8	-	12.0 / 14.6	1.0	80	60	104	57	60	88	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG060DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-7	8.5	3500	705	97.8	-	12.0 / 14.6	1.0	80	61	107	59	60	86	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG06DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-8	7.5	2600	680	97.8	-	12.0 / 14.6	1.0	80	56	91	49	60	94	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG08DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-9	7.5	2800	680	97.8	-	12.0 / 14.6	1.0	80	60	93	51	60	92	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG08DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-10	7.5	2600	680	97.8	-	12.0 / 14.6	1.0	80	59	91	49	60	94	101	81	NG	MERV 8	YES	BAROMETRIC	460 / 3	21 / 25	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	87	62	49	1100	YORK KYG08DC3AA5G113A1	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12
RTU-11	3	1200	350	97.8	15.0	12.5	1.0	80	59	38	21	60	102	57	45	NG	MERV 8	YES	BAROMETRIC	460 / 3	11 / 15	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	74	49	33	628	YORK KYG04DC1AA5G113A1	1, 2, 4, 5, 6, 7, 8, 9, 11, 12
RTU-12	3	1200	350	97.8	15.0	12.5	1.0	80	59	38	21	60	102	57	45	NG	MERV 8	YES	BAROMETRIC	460 / 3	11 / 15	NO	NON FUSED	W7220 ECONO CONTROLLER	SEISMIC	14	74	49	33	628	YORK KYG04DC1AA5G113A1	1, 2, 4, 5, 6, 7, 8, 9, 11, 12

PLAN CODE	ELECTRICAL			MAX. DIMENSIONS			MANUFACTURER	MODEL NO.	REMARKS
	VOLTS	PHASE	POWER (W)	LENGTH (FT)	HEIGHT (INCHES)	DEPTH (FT)			
ERP-1	208	1	500	4	1	2	MARKEL	CP805	REMOTE MOUNTED THERMOSTAT ON WALL WITH TAMPER PROOF SECURITY COVER. RECESSED FLANGE UNIT TO BE CEILING MOUNTED. COLOR TO BE SELECTED BY ARCHITECT.

WALL HEATER - ELECTRICAL (WH)								
PLAN CODE	ELECTRICAL				BTUH	MANUFACTURER	MODEL NO.	REMARKS
	VOLTS	PHASE	POWER (KW)	AMPS (A)				
WH-1	208	1	1.5	5.41	5120	BROAN	174	REMOTE MOUNTED THERMOSTAT ON WALL. RECESSED FLANGE UNIT TO BE CEILING MOUNTED. COLOR TO BE SELECTED BY ARCHITECT.

SOLAR UNIT (SUU)														
PLAN CODE	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	EFFICIENCY (EER)	LOW AMBIENT CONTROL	REFRIGERANT TYPE	ELECTRICAL			MAX. DIMENSIONS			MANUFACTURER & MODEL NO.	REMARKS	
						VOLTS / PH	MCA (MPS)	MOP (AMPS)	DEPTH (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)			OPERATING WEIGHT (LBS)
QDU-1	48,000	50,000	13.1	YES	R454B	208V / 1Φ	36	64	13	42	53	271	MITSUBISHI MSZ-SM29NA1W	ALL
1. INSTALL ON FACTORY CONSTRUCTED COLD WEATHER U-BAR SUPER STAND WITH FEET. 2. PROVIDE PANEL HEATER & LOW AMBIENT KIT. 3. PROVIDE WITH SNOW / HAIL GUARD.														

CONDENSATE PUMP (CAS)															MANUFACTURER / MODEL NO		REMARKS
PLAN CODE	OUTDOOR UNIT	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	VOLT / PH	MCA	MOPP	CFM	CONTROL	SOUND PRESSURE (dBA)	MAX DIMENSIONS (IN)							
										W	H	D	WEIGHT (LB)				
CAS-1	ODU-1	12,000	13,000	208V / 1Φ	0.29	15	245	WALL MOUNTED T-STAY	26	24	24	9	32	MTSUBISHI PLY-P12NFMJUR1TH	ALL		
CAS-2	ODU-1	12,000	13,000	208V / 1Φ	0.29	15	245	WALL MOUNTED T-STAY	26	24	24	9	32	MTSUBISHI PLY-P12NFMJUR1TH	ALL		
CAS-3	ODU-1	5,000	5,600	208V / 1Φ	0.24	15	230	WALL MOUNTED T-STAY	26	24	24	9	29	MTSUBISHI PLY-P05NFMJUR1TH	ALL		
CAS-4	ODU-1	5,000	5,600	208V / 1Φ	0.24	15	230	WALL MOUNTED T-STAY	26	24	24	9	29	MTSUBISHI PLY-P05NFMJUR1TH	ALL		
CAS-5	ODU-1	5,000	5,600	208V / 1Φ	0.24	15	230	WALL MOUNTED T-STAY	26	24	24	9	29	MTSUBISHI PLY-P05NFMJUR1TH	ALL		
CAS-6	ODU-1	5,000	5,600	208V / 1Φ	0.24	15	230	WALL MOUNTED T-STAY	26	24	24	9	29	MTSUBISHI PLY-P05NFMJUR1TH	ALL		
1. PROVIDE CONDENSATE PUMP. 2. SET AIRFLOW AT LOW SPEED. 3. ROUTE CONDENSATE TO NEAREST FLOOR OR SERVICE SINK. 4. PROVIDE WITH MITSUBISHI PAC-YT3CRAU-J THERMOSTAT AND BAGNET CARD.																	

AIR-CONDITIONING CONDENSATE UNIT (ACU)															
PLAN CODE	SYSTEM SERVED	SENSIBLE COOLING CAPACITY (BTUH)	SEER	AMBIENT TEMP (°F)	ELECTRICAL				MAX DIMENSIONS (IN)				MANUFACTURER & MODEL NO	REMARKS	
					VOLT / PH	FLA	MCA	MCCP	MAX. POWER INPUT (KW)	W	D	H			WEIGHT (LBS)
ACU-1	DAC-1	18,000	20.2	115/0	208/1	0.5	11.0	28	1.7	32	12	25	100	MTS/B3H4 PUZ-A1BKAK7	1, 2, 3, 4, 5, 6, 7

1. PROVIDE WITH LOW AMBIENT CONDENSATE UNIT POWERED WITH NEOPRENE PADS AT ALL CONNECTION POINTS. 2. PROVIDE INSULATING PIPING SIZED AS PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE CRANKCASE HEATER. 5. INDOOR UNIT POWERED FROM OUTDOOR UNIT. 6. COOLING ONLY. 7. PROVIDE WIRING AND DISCONNECT.

PLAN CODE	OUTDOOR UNIT	AREA SERVED	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	VOLT / PH	FLA	MCA	CFM	CONTROL	SOUND PRESSURE (dB(A))	MAX DIMENSIONS (IN)				MANUFACTURER & MODEL NO	REMARKS
											W	H	D	WT (LB)		
DAC-1	ACU-1	DATA / ELEC	18,000	19,000	208 / 1	0.19	1.0	265 / 375 / 450	WALL MOUNTED T-STAT	34 / 44 / 48	36	12	21	28	mitsubishi PKA-18LA1	1, 2, 3
1. PROVIDE CONDENSATE PUMP. 2. SET AIRFLOW AT MEDIUM SPEED. 3. ROUTE CONDENSATE TO NEAREST FLOOR OR SERVICE SINK. 4. SET AIRFLOW AT LOW SPEED.																

PLAN CODE	AREA SERVED	TYPE	CFM @ ELEV (4300 FT)	ESP	MOTOR					dBA / SONS	DAMPER	METHOD OF CONTROL	WEIGHT (LBS)	MANUFACTURER & MODEL NO.	REMARKS
					BHP	HP	EFF %	VOLT / PH	FLA						
EF-1	RESTROOMS	ROOF DOWNSHAFT	1805	1.0	0.48	3/4	57	115 / 1Ø	10	84 / 14.1	GRAVITY BACKDRAFT	TIMECLOCK	70	GREENHECK G-130-VG	ALL
1. PROVIDE WITH BACKDRAFT DAMPER, DISCONNECT SWITCH, SUPPORT BRACKETS AND ISOLATOR, FLEXIBLE CONNECTION.															

Revisions		
Num.	Description	Date

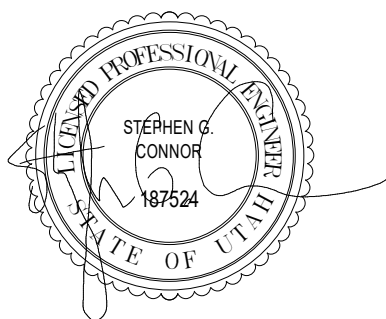
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MECHANICAL SCHEDULES

ME601



SYMBOL LEGEND - MISC	
REFERENCE LINES AND SYMBOLS	
SYMBOL	DESCRIPTION
	VIEW OR DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW OR DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR: # INDICATES VIEW NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW IS SHOWN.
	ROOM / SPACE INDICATOR
	KEYNOTE INDICATOR
	REVISION INDICATOR
	PLUMBING FIXTURE INDICATOR
	EQUIPMENT INDICATOR
	GRILLE, REGISTER, OR DIFFUSER INDICATOR
	BREAKLINE
	MATCHLINE SEE XXXXX
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

SYMBOL LEGEND - PIPING	
NOTE: ALL SYMBOLS MAY NOT BE USED	
SYMBOL	DESCRIPTION
	HOSE BIBB / WALL HYDRANT
	CLEANOUT TO GRADE
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN
	FLOOR SINK

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED. DIRECTED: TERMS SUCH AS "DIRECTED," "REQUESTED," "AUTHORIZED," "SELECTED," "APPROVED," "REQUIRED," AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER," "REQUESTED BY THE ENGINEER," AND SIMILAR PHRASES. APPROVED: THE TERM "APPROVED," WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS. FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS." INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS." PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE." INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	

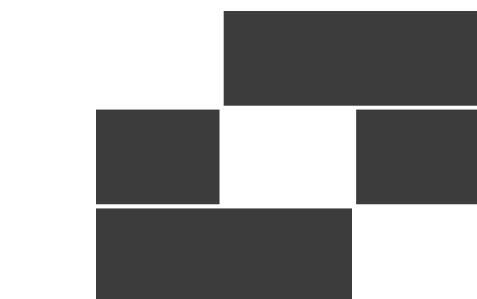
PIPING LEGEND	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED	
ABBREVIATION	DESCRIPTION
——160——	160°F HOT WATER
-----160R-----	160°F HOT WATER RETURN / CIRCULATION
——180——	180°F HOT WATER
-----180R-----	180°F HOT WATER RETURN / CIRCULATION
——AW——	ACID WASTE
---AV---	ACID VENT
——CO2——	CARBON DIOXIDE
——CW+——	COMBINATION WASTE AND VENT
——CA——	COMPRESSED AIR
——CD——	CONDENSATE DRAIN
——DCW——	DOMESTIC COLD WATER
-----DHW-----	DOMESTIC HOT WATER
-----DHW+R-----	DOMESTIC HOT WATER RECIRCULATION
——DI——	DEIONIZED WATER
——DSW——	DOMESTIC SOFT WATER
———D———	DEMOLISHED PIPING
——FP——	FIRE PROTECTION
——FOR——	FUEL OIL RETURN
——FOS——	FUEL OIL SUPPLY
——FOV——	FUEL OIL VENT
——GW——	GREASE WASTE
——HPC——	HIGH PRESSURE CONDENSATE
——MPC——	MEDIUM PRESSURE CONDENSATE
——LPC——	LOW PRESSURE CONDENSATE
——ICW——	INDUSTRIAL COLD WATER
-----IHW-----	INDUSTRIAL HOT WATER
——IW——	IRRIGATION WATER
——LPG——	LIQUID PROPANE GAS
——NG——	NATURAL GAS
——NPW——	NON-POTABLE WATER
——NO——	NITROUS OXIDE
——O——	OXYGEN
——OD——	OVERFLOW ROOF DRAIN / STORM DRAIN
——PC——	PUMPED CONDENSATE
——RD——	ROOF DRAIN / STORM DRAIN
——SS——	SANITARY SEWER
——VAC——	VACUUM
———V———	VENT

SYMBOL LEGEND - PIPING	
NOTE: ALL SYMBOLS MAY NOT BE USED	
SYMBOL	DESCRIPTION
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTOMATIC 2-WAY VALVE
	AUTOMATIC 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI VALVE
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	PIPE REDUCER
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEGREE ELBOW UP
	90 DEGREE ELBOW DOWN
	90 DEGREE TEE UP
	90 DEGREE TEE DOWN
	PIPE UNION
	PIPE CAP
	PIPE ANCHOR
	FLOAT AND THERMOSTATIC TRAP
	GAS METER

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E) EXISTING (F) FUTURE AC AIR CONDITION (-ING, -ED) AD ACCESS DOOR AF AIRFOIL AFF ABOVE FINISHED FLOOR ALT ALTERNATE APD AIR PRESSURE DROP BD BALANCING DAMPER BHP BRAKE HORSE POWER BI BACKWARD INCLINE BOD BOTTOM OF DUCT BOP BOTTOM OF PIPE BTU BRITISH THERMAL UNIT BTUH BRITISH THERMAL UNITS PER HOUR CAP CAPACITY CAS COMBUSTION AIR SUPPLY CBV CALIBRATED BALANCE VALVE CFH CUBIC FEET PER HOUR CFM CUBIC FEET PER MINUTE CV CONTROL VALVE D8 DRY BULB TEMPERATURE DCW DOMESTIC COLD WATER DF DRINKING FOUNTAIN DHW DOMESTIC HOT WATER DHW+R DOMESTIC HOT WATER RECIRC DIA DIAMETER DN DOWN DP DEPTH, DEEP, OR DROP IN PRESSURE DSN DOWN SPOUT NOZZLE EA EACH OR EXHAUST AIR EAT ENTERING AIR TEMPERATURE EER ENERGY EFFICIENCY RATIO EFF EFFICIENCY ELEC ELECTRIC ELEV ELEVATION ENCL ENCLOSURE ENT ENTERING ESP EXTERNAL STATIC PRESSURE ET EXPANSION TANK EVAP EVAPORAT(-E, -ING, -ED, -OR) EWC ELECTRIC WATER COOLER EWT ENTERING WATER TEMPERATURE EXT EXTERNAL FCD FLOOR CLEAN OUT FD FIRE DAMPER OR FLOOR DRAIN FLA FULL LOAD AMPS FO FLAT OVAL FPM FPM PER INCH FPM FEET PER MINUTE FPS FEET PER SECOND FSO FIRE SMOKE DAMPER FT FEET FV FACE VELOCITY GA GAUGE GAL GALLON GD GARAGE DRAIN GE GREASE EXHAUST GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GW GREASE WASTE HD HEAD HG MERCURY HP HORSEPOWER HR HOUR HT HEIGHT HTG HEATING HZ HERTZ (FREQUENCY) IN INCH KW KILOWATT L LAVATORY OR LOUVER LAT LEAVING AIR TEMPERATURE LBS POUNDS LH LATENT HEAT LRA LOCKED ROTOR AMPS LVG LEAVING LWT LEAVING WATER TEMPERATURE MA MAKE-UP AIR MAX MAXIMUM MBH THOUSAND BRITISH THERMAL UNITS PER HOUR MCA MINIMUM CIRCUIT AMPS MECH MECHANICAL	MFR MANUFACTUR (-ER, -ED) MIN MINIMUM MVD MANUAL VOLUME DAMPER NC NORMALLY CLOSED OR NOISE CRITERIA NIC NOT IN CONTRACT NO NORMALLY OPEN OR NUMBER NOM NOMINAL NET POSITIVE SUCTION HEAD NTS NOT TO SCALE OA OUTSIDE AIR OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER OR OVERFLOW DRAIN OFCEI OWNER FURNISHED, CONTRACTOR INSTALLED OFCEI OWNER FURNISHED, OWNER INSTALLED OZ OUNCE PD PRESSURE DROP OR DIFFERENCE PG PROPYLENE GLYCOL PH PHASE PPM PARTS PER MILLION PRV PRESSURE REDUCING VALVE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSIA POUNDS PER SQUARE INCH ABSOLUTE PSIG POUNDS PER SQUARE INCH GAUGE RA RETURN AIR RAD RADIUS RD ROOF DRAIN RECRIC RECIRCULATE (-E, -ER, -ED, -ING) REFR REFRIGERATION REQD REQUIRED RFA RATED LOAD AMPS RLF RELIEF AIR RSPB REDUCED PRESSURE BACKFLOW PREVENTER RPM REVOLUTIONS PER MINUTE SA SUPPLY AIR OR SHOCK ARRESTOR SAMP SUPPLY AIR, MEDIUM PRESSURE SCFM STANDARD CUBIC FEET PER MINUTE SCW SOFT COLD WATER SEN SENSIBLE SF SQUARE FEET SH SENSIBLE HEAT SM SIMILAR SL SEA LEVEL SP STATIC PRESSURE SPEC(S) SPECIFICATION (S) SQ SQUARE SS SANITARY SEWER, SOIL, WASTE OR SERVICE SINK OR STAINLESS STEEL STD STANDARD TA TRANSFER AIR TD TEMP DROP OR DIFFERENCE TEMP TEMPERATURE TOD TOP OF DUCT TOT TOTAL TSP TOTAL STATIC PRESSURE TSTAT THERMOSTAT TYP TYPICAL U URINAL V VOLT, VOLTAGE OR VENT VAC VACUUM VAV VARIABLE AIR VOLUME VD VOLUME DAMPER VEL VELOCITY VENT FLUE VENT OR VENTILATION VERT VERTICAL VFD VARIABLE FREQUENCY DRIVE VOL VOLUME VTR VENT THROUGH ROOF WI WITH WIO WITHOUT WB WET BULB TEMPERATURE WC WATER CLOSET OR WATER COLUMN WCO WALL CLEANOUT WGU WATER GAUGE WHA WATER HAMMER ARRESTOR WPD WATER PRESSURE DROP WT WEIGHT WTR WATER Ø ROUND OR DIAMETER

PLUMBING GENERAL NOTES	
- THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER. - THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH. - THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT. - THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER. - PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION. - PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS. - THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE, WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. - ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. - PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING. - PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT. - ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1). PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL NOT BE USED TO SUPPORT OR BRACE ANY PIPE. - PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION. - PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES. - ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED. - COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE 1/2" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2" PAST LUMBER. - ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE. - ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED. - ALL EXPOSED DRAINAGE PIPING IN OCCUPIED SPACES INCLUDING TRAPS UNDER SINKS SHALL BE POLISHED CHROME PLATED. - DRAWINGS SHOW GENERAL ARRANGEMENT OF THE DRAIN WASTE AND VENT SYSTEM WITH THE REQUIRED CLEANOUTS. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL CLEANOUTS AS REQUIRED BY THE PLUMBING CODE. - ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT. - ALL SANITARY DRAINAGE SYSTEM PIPING SMALLER THAN 3" SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT. - FANS-PE VENT SYSTEM TOWARDS DRAINAGE SYSTEM. - SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER. - ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE JOB SITE ELEVATION. MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION. - SEE "PLUMBING FIXTURE SCHEDULE" FOR INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING FOR INDIVIDUAL FIXTURES. - ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY. - FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.	

PLUMBING SHEET INDEX	
PL151	PLUMBING PLAN - POLE BARN
PL153	PLUMBING PLAN - POLE BARN ROOF
PL402	ENLARGED PLUMBING PLANS
PL403	ENLARGED PLUMBING PLANS
PE001	PLUMBING COVER SHEET
PL501	PLUMBING DETAILS
PL601	PLUMBING SCHEDULES
PL110	PLUMBING PLAN - LEVEL 1
PL120	PLUMBING PLAN - LEVEL 2
PL130	PLUMBING PLAN - ROOF
PL401	ENLARGED PLUMBING PLANS



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
801-328-7077
801-328-5151
www.lynkengineers.com

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COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

Revisions

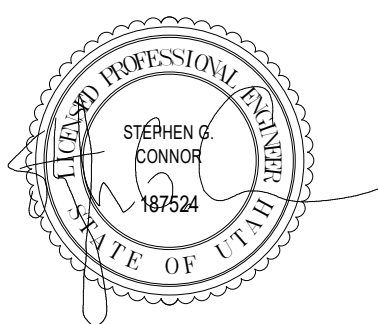
Num. Description Date

Project Number 26526
Original Issue 09/04/2026
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PLUMBING COVER
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Boise
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Boise, ID 83702
208.424.7675

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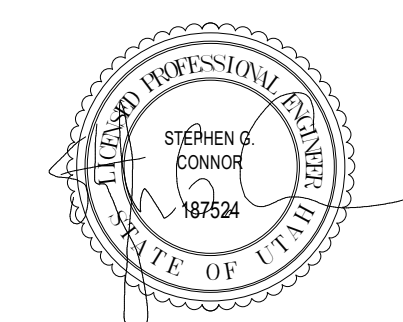
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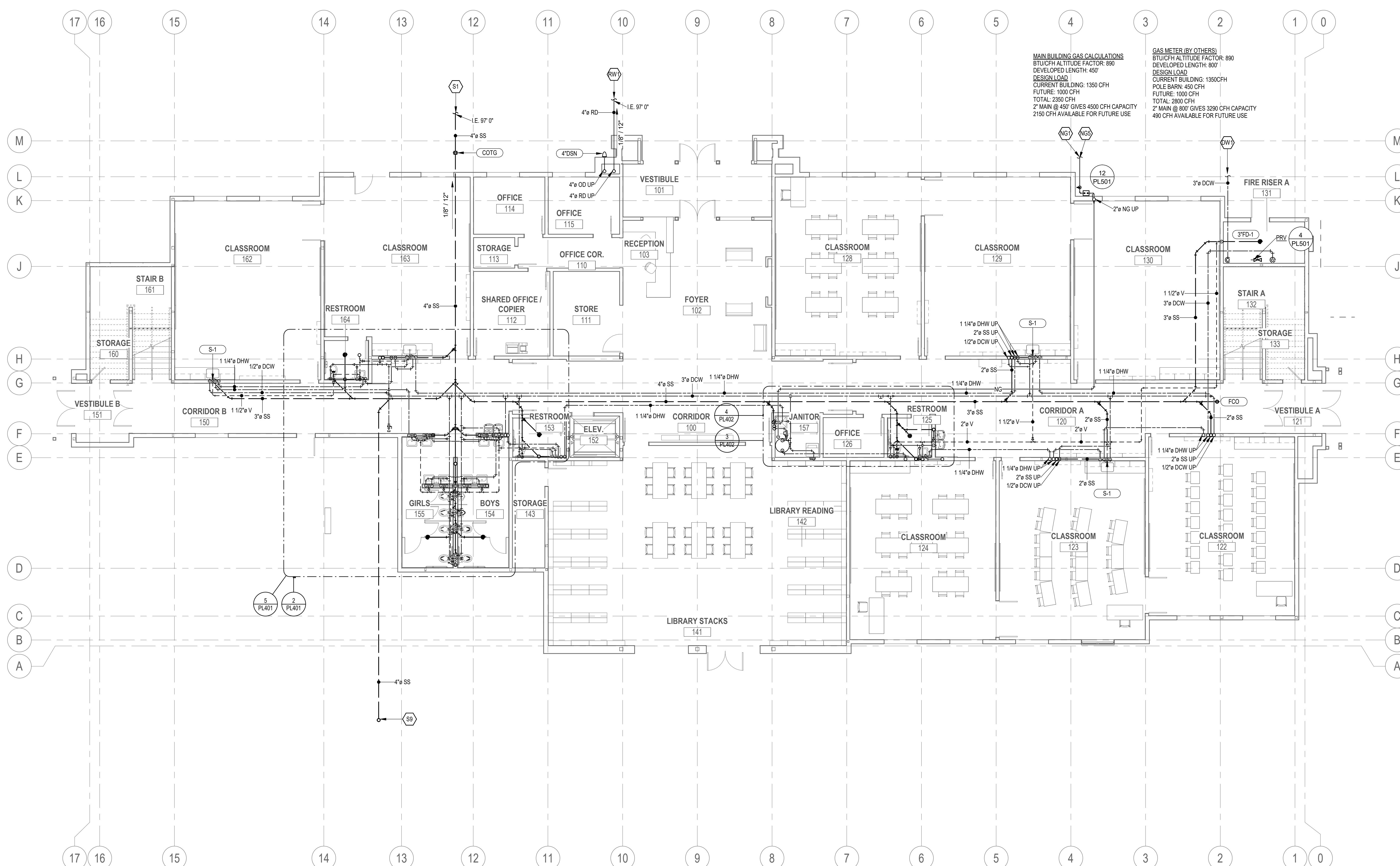
PLUMBING PLAN -
LEVEL 1

Sheet Number

PL110

1. ALL ITEMS SHOWN DARK ARE EXISTING
2. ALL ITEMS SHOWN DARK AND SOLID ARE NEW.
3. ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMER ON TRAP PRIMER. ALL TRAP PRIMER WITH SOLID BURNER SHALL BE UNDER JURISDICTION OF THE CITY OF LOS ANGELES.
4. ALL VALVES TO BE LOCATED ABOVE ACCESSIBLE CEILINGS OR PROVIDE ACCESS PANELS AS REQUIRED PER IPC 202 AND PROJECT SPECIFICATIONS.
5. FACTORY SET OR FIELD ADJUSTABLE PRESSURES FOR HOT AND COLD WATER.
6. CONTRACTOR TO COORDINATE WITH ELECTRICAL SYSTEMS.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR OVERSIGHT ELECTRICAL EQUIPMENT.
8. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF LOS ANGELES ELECTRICAL CODE.
9. DO NOT RUN PIPE OVER ELECTRICAL OR COMMUNICATION RINGS.
10. ALL PIPING TO BE HELD TIGHT TO BOTTOM OF STRUCTURE.
11. OPTIC AND TRANSITION TO BE PROVIDED AS REQUIRED.
12. CONTRACTOR TO COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
13. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
14. CONTRACTOR SHALL VERIFY ALL SIZES 2" AND 1/2" OVER UNDER PIPING (i.e., PIPES 3" SLOPED AT 1/8" PER LINEAR FOOT (1%).
15. SEE PLUMBING SCHEDULE SIZE WHERE INDIVIDUAL TRAP PIPING SIZE IS NOT SHOWN.
16. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR COMPLETE OPERATIONAL MECHANICAL SYSTEM.
17. ALL WATER CONNECTIONS TO SINKS, LAVAS, TOILETS, AND WATER CLOSETS SHALL BE MADE WITH A 1/2" OR 3/4" NPT. ALL OTHERS TO BE NOTED.

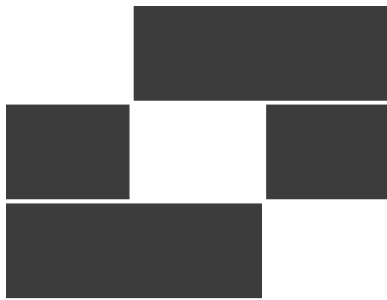
DW1	EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
NG1	EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
NG5	GAS LINE TO BE CONNECTED DOWNSTREAM OF METER AND UPSTREAM OF BUILDING PRESSURE REGULATOR. GAS LINE TO RUN ACROSS SITE TO POLE BARN AT CITY PRESSURE. REFER TO CIVIL PLAN FOR CONTINUATION.
RW1	EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
S1	EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
S9	STUB UP AND CAP WASTE PIPING FOR FUTURE USE.



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

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Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 400
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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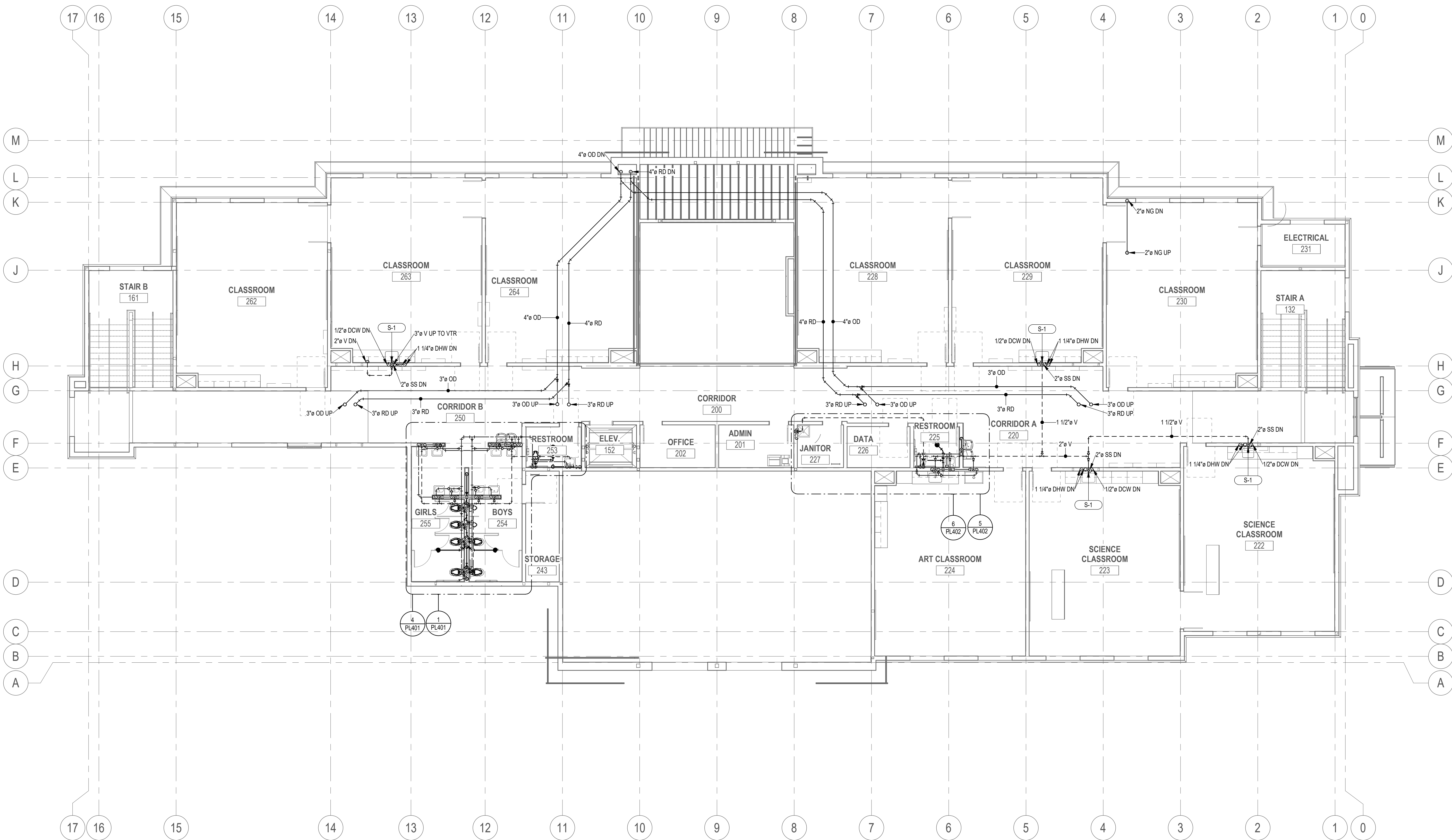
NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

PLUMBING GENERAL NOTES

1. ALL ITEMS SHOWN LIGHT ARE EXISTING.
2. ALL ITEMS SHOWN DARK AND SOLID ARE NEW.
3. ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMERS OR TRAP GUARD. VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION (LAH) FOR COMPLIANCE.
4. ALL VALVES TO BE LOCATED ABOVE ACCESSIBLE CEILINGS OR PROVIDE ACCESS PANELS AS REQUIRED PER IPC 2021 AND PROJECT SPECIFICATIONS.
5. EACH FIXTURE TO HAVE SEPARATE ISOLATION VALVES FOR HOT AND COLD WATER.
6. CONTRACTOR TO COORDINATE WITH ELECTRICAL SYSTEMS.
7. DO NOT ROUTE OR LOCATE ANY PLUMBING PIPE OR EQUIPMENT OVER ELECTRICAL EQUIPMENT.
8. DO NOT RUN PIPE OVER ELECTRICAL OR COMMUNICATION ROOMS.
9. ALL PIPING TO BE HELD TIGHT TO BOTTOM OF STRUCTURE.
10. OFF-SET AND TRANSITION PIPING AS REQUIRED.
11. CONTRACTOR TO COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
12. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
13. SLOPE ALL SANITARY WASTE LINES $\leq 2-1/2"$ AT $1/4"$ PER LINEAR FOOT (2%), PIPES $\geq 3"$ SLOPED AT $1/8"$ PER LINEAR FOOT (1%).
14. SEE PLUMBING SCHEDULE SIZE WHERE INDIVIDUAL OUTLET PIPING SIZE IS NOT SHOWN.
15. CONTRACTOR SHALL PROVIDE AL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEM.
16. ALL WATER CONNECTIONS TO SINKS, LAVATORIES, AND WATER CLOSETS SHALL BE MADE WITH A $1/2"$ CONNECTION UNLESS OTHERWISE NOTED.

SHEET KEYNOTES



1 PLUMBING PLAN - LEVEL 2

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

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Revisions

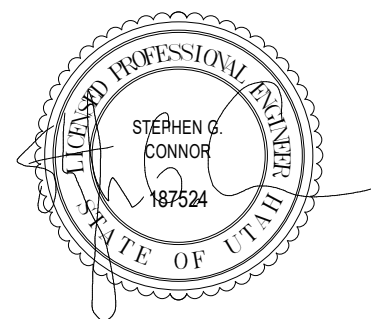
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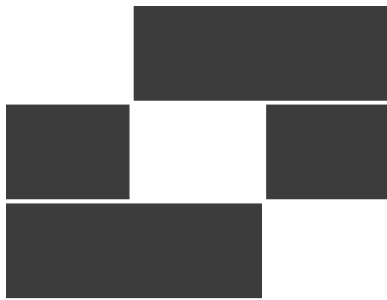


Sheet Title

PLUMBING PLAN -
LEVEL 2

Sheet Number

PL120



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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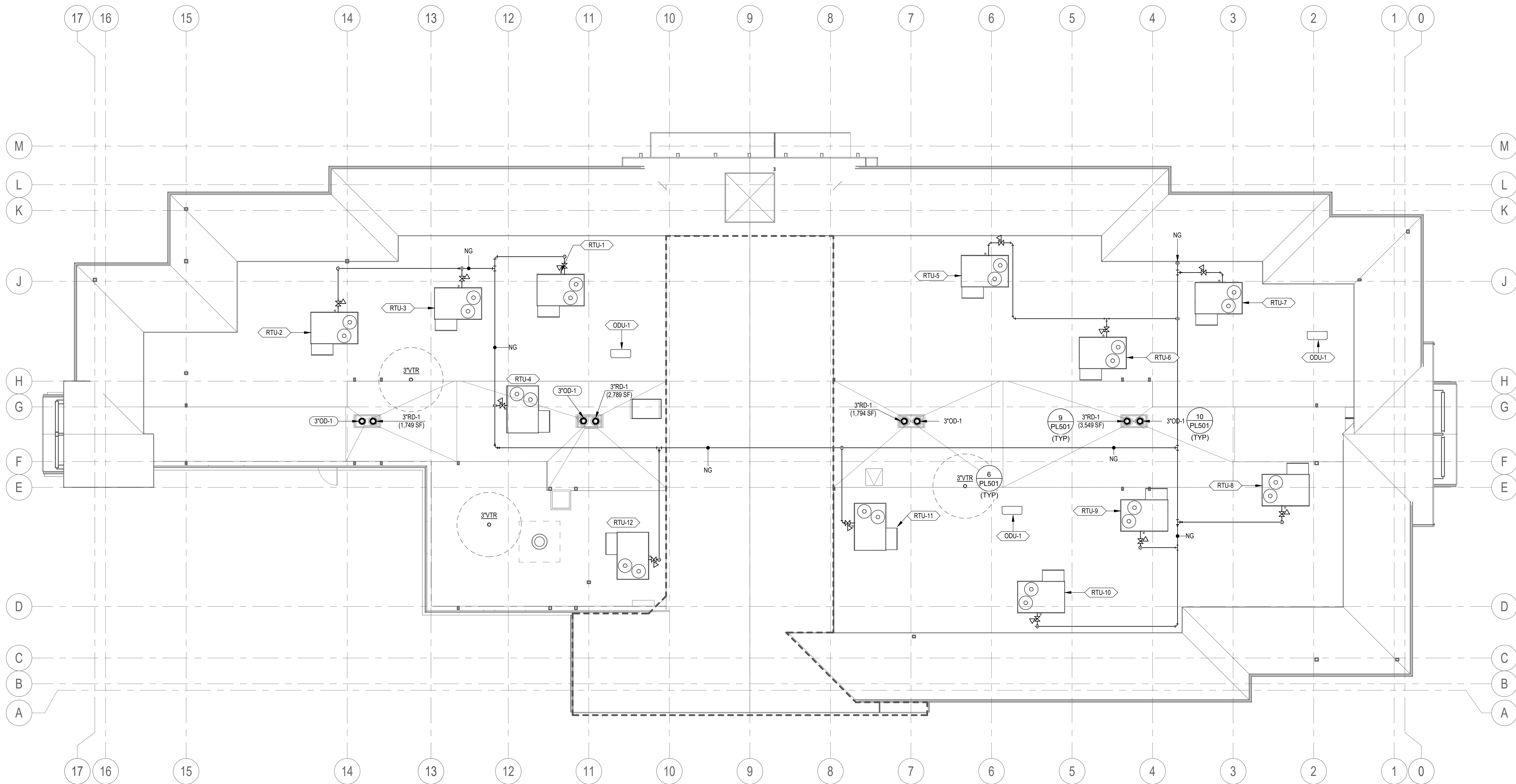
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PLUMBING GENERAL NOTES

1. ALL ITEMS SHOWN LIGHT ARE EXISTING.
2. ALL ITEMS SHOWN DARK AND SOLID ARE NEW.
3. ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMERS OR TRAP GUARD. VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION (LAH) FOR COMPLIANCE.
4. ALL VALVES TO BE LOCATED ABOVE ACCESSIBLE CEILINGS OR PROVIDE ACCESS PANELS AS REQUIRED PER IPC 2021 AND PROJECT SPECIFICATIONS.
5. EACH FIXTURE TO HAVE SEPARATE ISOLATION VALVES FOR HOT AND COLD WATER.
6. CONTRACTOR TO COORDINATE WITH ELECTRICAL SYSTEM(S).
7. DO NOT ROUTE OR LOCATE ANY PLUMBING PIPE OR EQUIPMENT OVER ELECTRICAL EQUIPMENT.
8. DO NOT RUN PIPE OVER ELECTRICAL OR COMMUNICATION ROOMS.
9. ALL PIPING TO BE HELD TIGHT TO BOTTOM OF STRUCTURE.
10. OFF-SET AND TRANSITION PIPING AS REQUIRED.
11. CONTRACTOR TO COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
12. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
13. SLOPE ALL SANITARY WASTE LINES $\leq 2\frac{1}{2}$ " AT 1/4" PER LINEAR FOOT (2%), PIPES ≥ 3 " SLOPED AT 1/8" PER LINEAR FOOT (1%).
14. SEE PLUMBING SCHEDULE SIZE WHERE INDIVIDUAL OUTLET PIPING SIZE IS NOT SHOWN.
15. CONTRACTOR SHALL PROVIDE AL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEM.
16. ALL WATER CONNECTIONS TO SINKS, LAVATORIES, AND WATER CLOSETS SHALL BE MADE WITH A 1/2" CONNECTION UNLESS OTHERWISE NOTED.

SHEET KEYNOTES



1 ROOF PLUMBING PLAN

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

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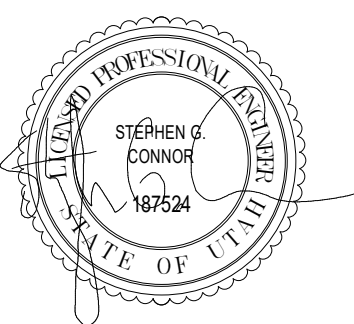
Revisions

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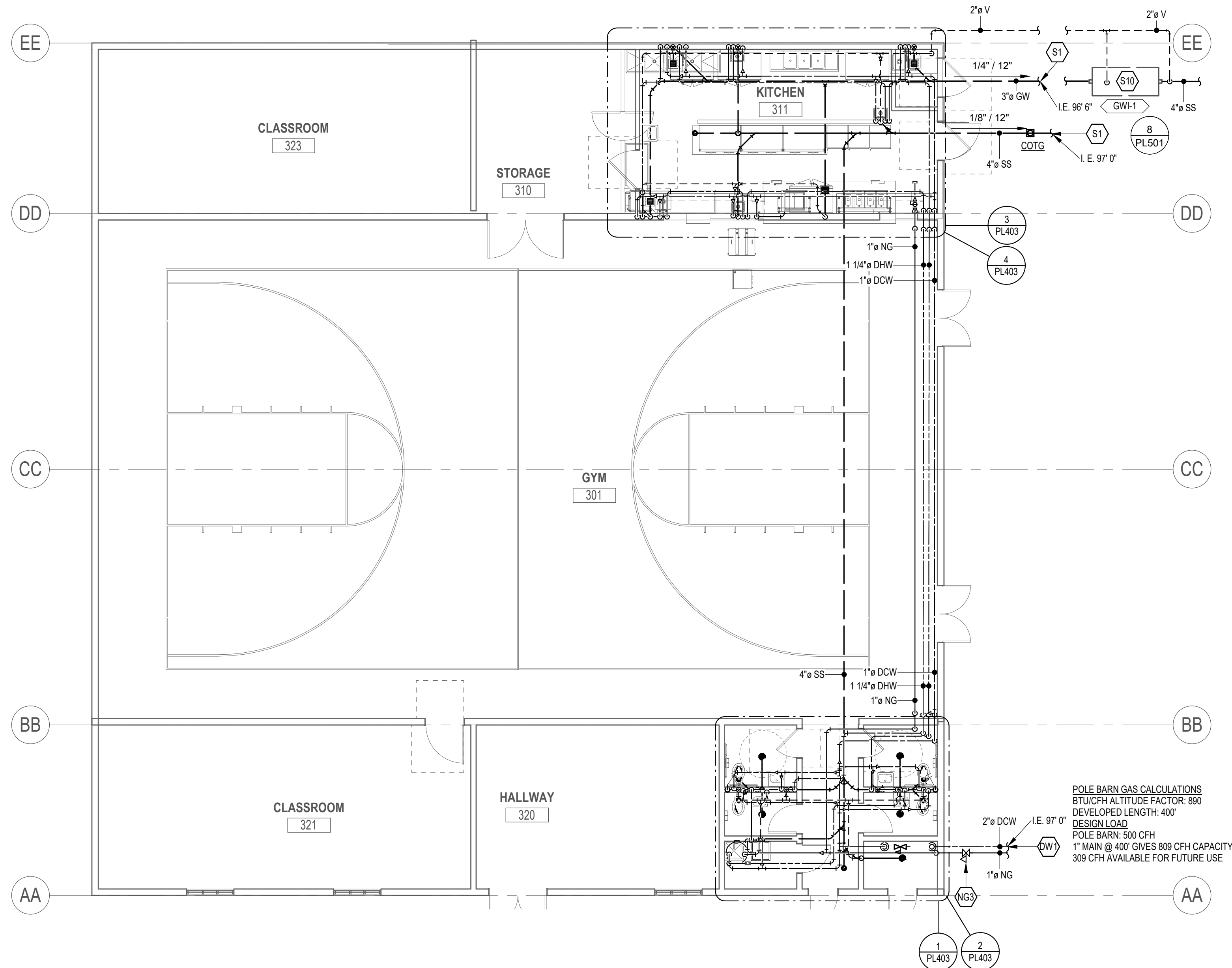


Sheet Title

PLUMBING PLAN -
ROOF

Sheet Number

PL130



1 PLUMBING PLAN - POLE BARN
SCALE: 1/8" = 1'-0"

PLUMBING GENERAL NOTES

1. ALL ITEMS SHOWN LIGHT ARE EXISTING.
2. ALL ITEMS SHOWN DARK AND SOLID ARE NEW.
3. ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMERS OR TRAP GUARD. VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION (AAU) FOR COMPLIANCE.
4. ALL VALVES TO BE LOCATED ABOVE ACCESSIBLE CEILINGS OR PROVIDE ACCESS PANELS AS REQUIRED PER IPC 2021 AND PROJECT SPECIFICATIONS.
5. EACH FIXTURE TO HAVE SEPARATE ISOLATION VALVES FOR HOT AND COLD WATER.
6. CONTRACTOR TO COORDINATE WITH ELECTRICAL SYSTEMS.
7. DO NOT ROUTE OR LOCATE ANY PLUMBING PIPE OR EQUIPMENT OVER ELECTRICAL EQUIPMENT.
8. DO NOT RUN PIPE OVER ELECTRICAL OR COMMUNICATION ROOMS.
9. ALL PIPING TO BE HELD TIGHT TO BOTTOM OF STRUCTURE.
10. OFF-SET AND TRANSITION PIPING AS REQUIRED.
11. CONTRACTOR TO COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
12. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
13. SLOPE ALL SANITARY WASTE LINES $\geq 2-1/2"$ AT $1/4"$ PER LINEAR FOOT (2%). PIPES $\geq 3"$ SLOPED AT $1/8"$ PER LINEAR FOOT (1%).
14. SEE PLUMBING SCHEDULE SIZE WHERE INDIVIDUAL OUTLET PIPING SIZE IS NOT SHOWN.
15. CONTRACTOR SHALL PROVIDE AL INCIDENTAL OFFSETS REQUIRED FOR COMPLETE OPERATIONAL MECHANICAL SYSTEM.
16. ALL WATER CONNECTIONS TO SINKS, LAVATORIES, AND WATER CLOSETS SHALL BE MADE WITH A $1/2"$ CONNECTION UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- DW1 EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
- NG3 GAS LINE TO BE PRESSURE REGULATED FROM CITY PRESSURE TO 2LB FOR DISTRIBUTION TO GAS BURNING EQUIPMENT SERVING POLE BARN.
- S1 EXTEND PIPING OUTSIDE OF BUILDING 5 FT. FOR CONTINUATION BY CIVIL. EXACT LOCATIONS & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL CONTRACTOR.
- S10 PIPING AND GREASE INTERCEPTOR SHOWN FOR COORDINATION PURPOSES ONLY. GREASE INTERCEPTOR EXACT LOCATION & ELEVATIONS ARE TO BE COORDINATED WITH CIVIL PLANS.



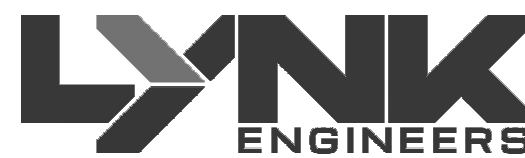
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
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SCHOOL CAMPUS

MAPLETON, UT

Revisions

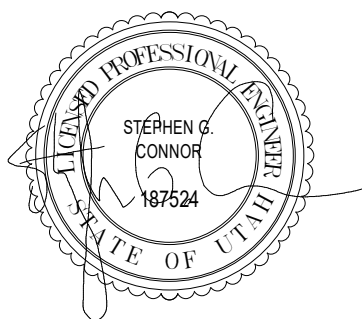
Num.	Description	Date
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Project Number 28531
Original Issue 09/04/2026
Project Status PERMIT SET

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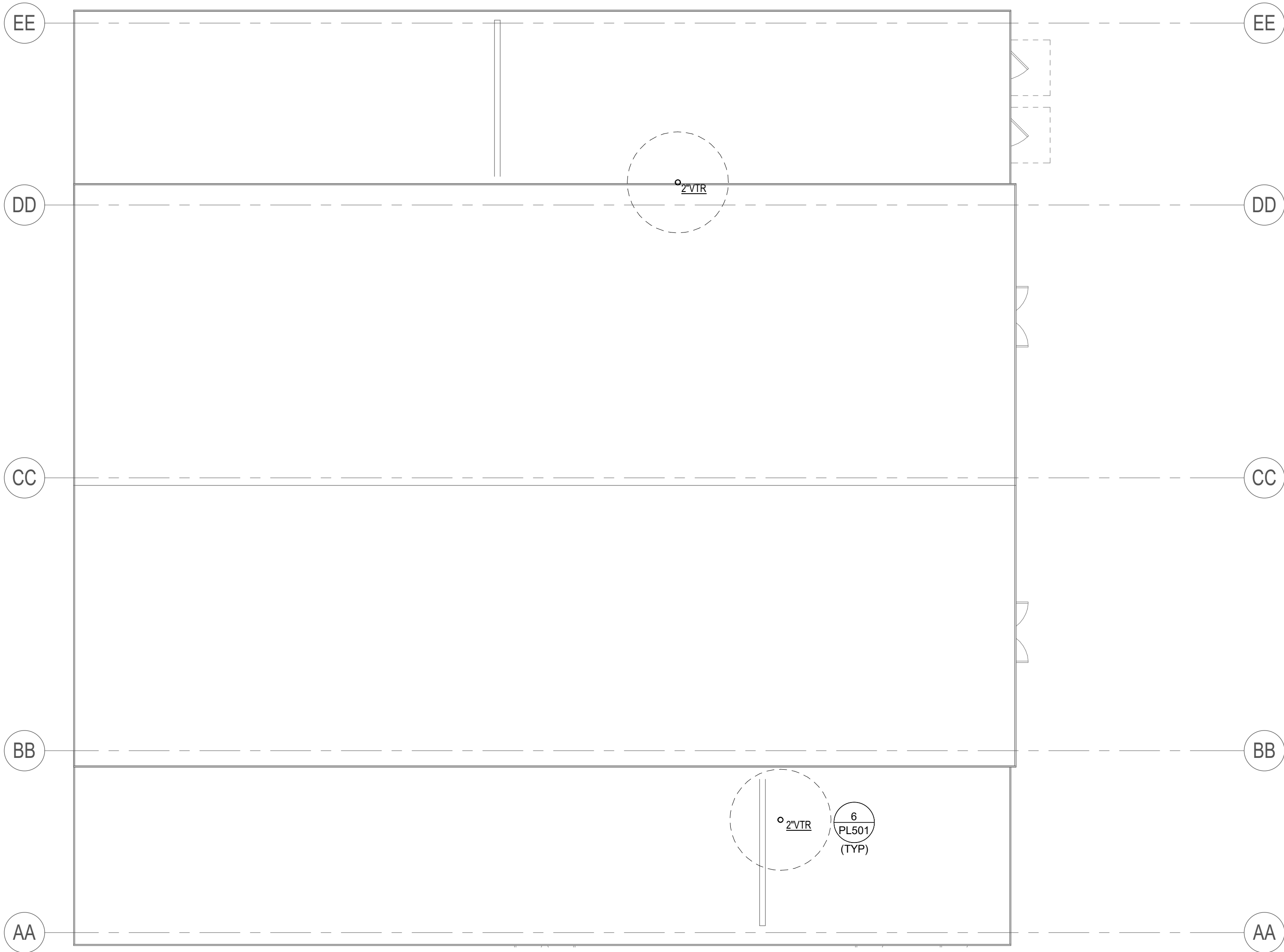


Sheet Title

PLUMBING PLAN -
POLE BARN

Sheet Number

PL151

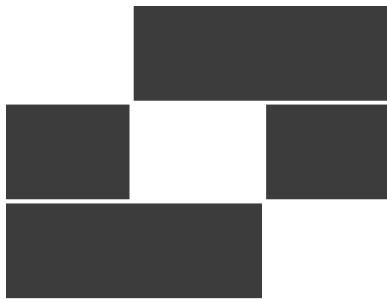


1 PLUMBING PLAN - POLE BARN ROOF
 SCALE: 1/8" = 1'-0"

PLUMBING GENERAL NOTES

- ALL ITEMS SHOWN LIGHT ARE EXISTING.
- ALL ITEMS SHOWN DARK AND SOLID ARE NEW.
- ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMERS OR TRAP GUARD. VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION (LAH) FOR COMPLIANCE.
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SHEET KEYNOTES



BabcockDesign

Salt Lake City
 52 Exchange Place
 Salt Lake City, UT 84111
 801.531.1144

Boise
 800 W Main Street, Suite 940
 Boise, ID 83702
 208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
 Salt Lake City, UT 84111
 800-678-7077
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Revisions

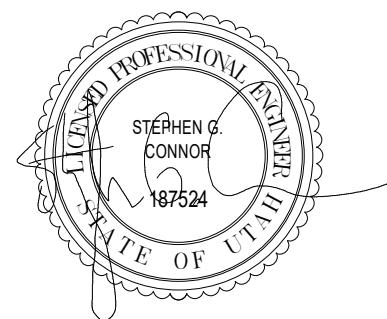
Num.	Description	Date
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Project Number 26526
 Original Issue 09/04/2026
 Project Status PERMIT SET

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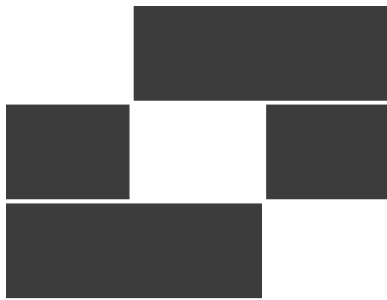


Sheet Title

PLUMBING PLAN -
 POLE BARN ROOF

Sheet Number

PL153



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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
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COMMUNITY SCHOOL

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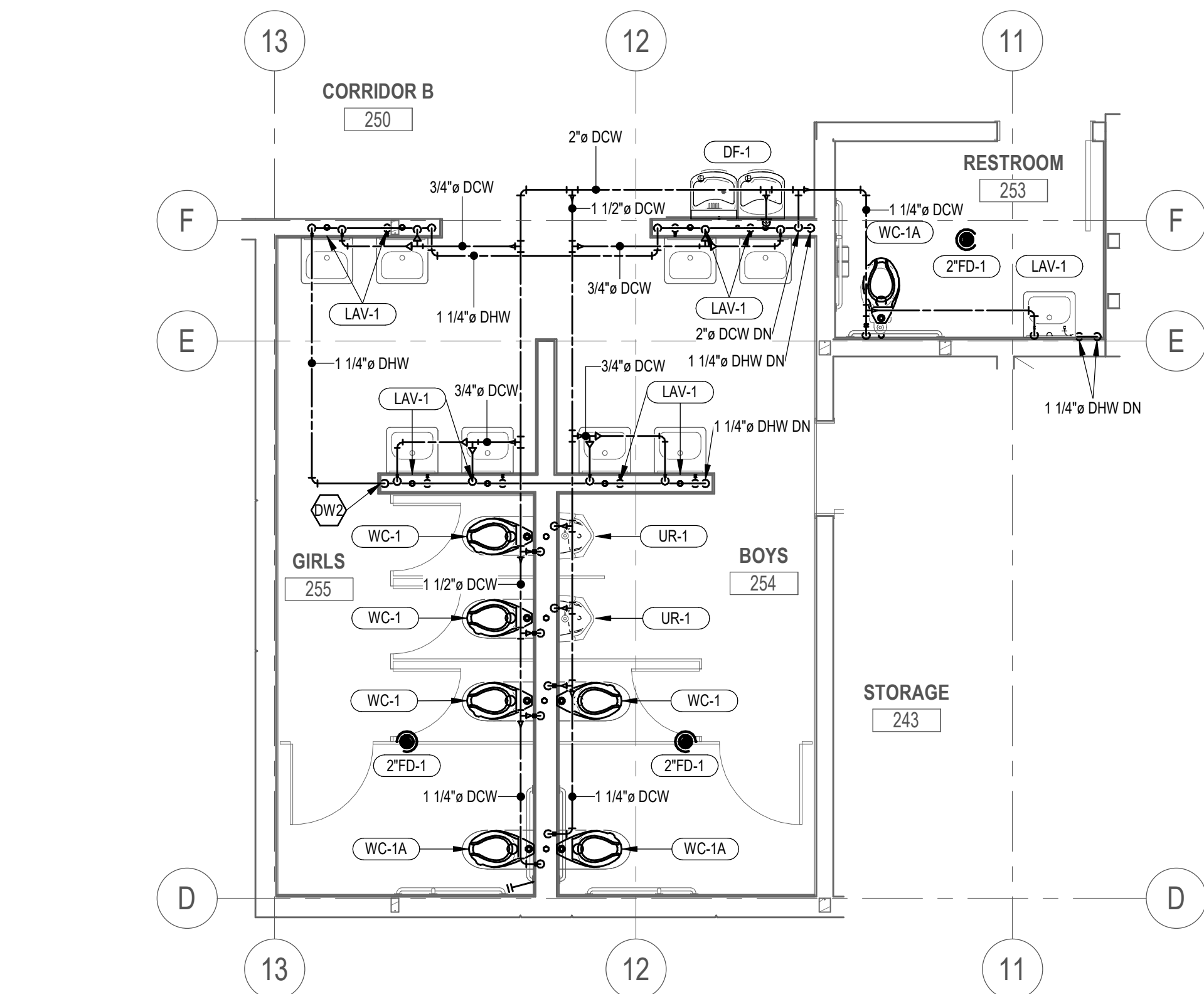
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SHEET KEYNOTES

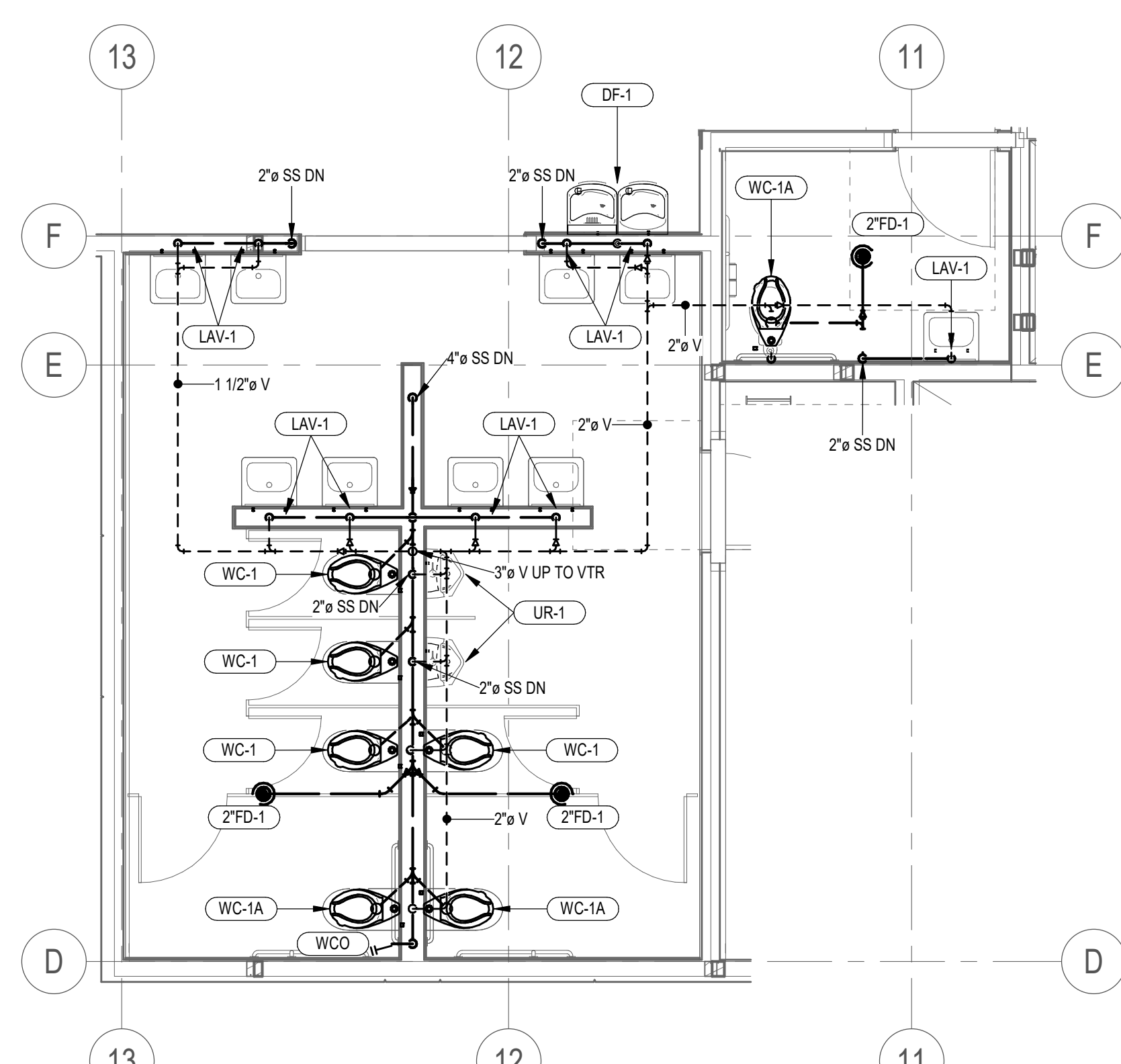
DW2 ROUTE DOMESTIC HOT WATER PIPING DOWN WALL TO WITHIN 2' OF FIXTURE STOP PER 2015 IECC TABLE C404.5.1

DW3 CAP 2" DCW FOR FUTURE USE. PROVIDE A SHUT OFF VALVE.



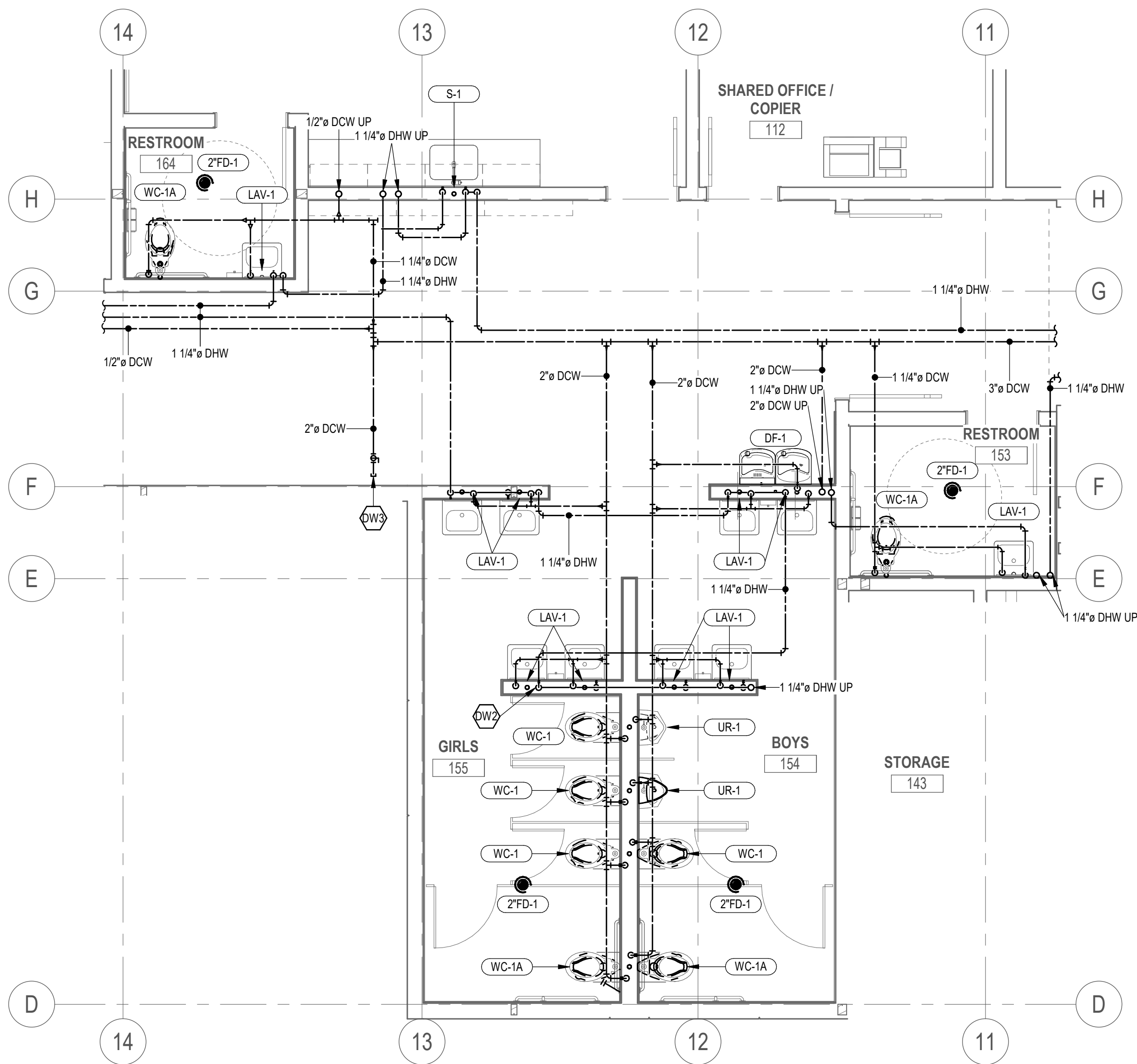
1 ENLARGED PLUMBING PLAN - LEVEL 2 RESTROOM WATER & GAS

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



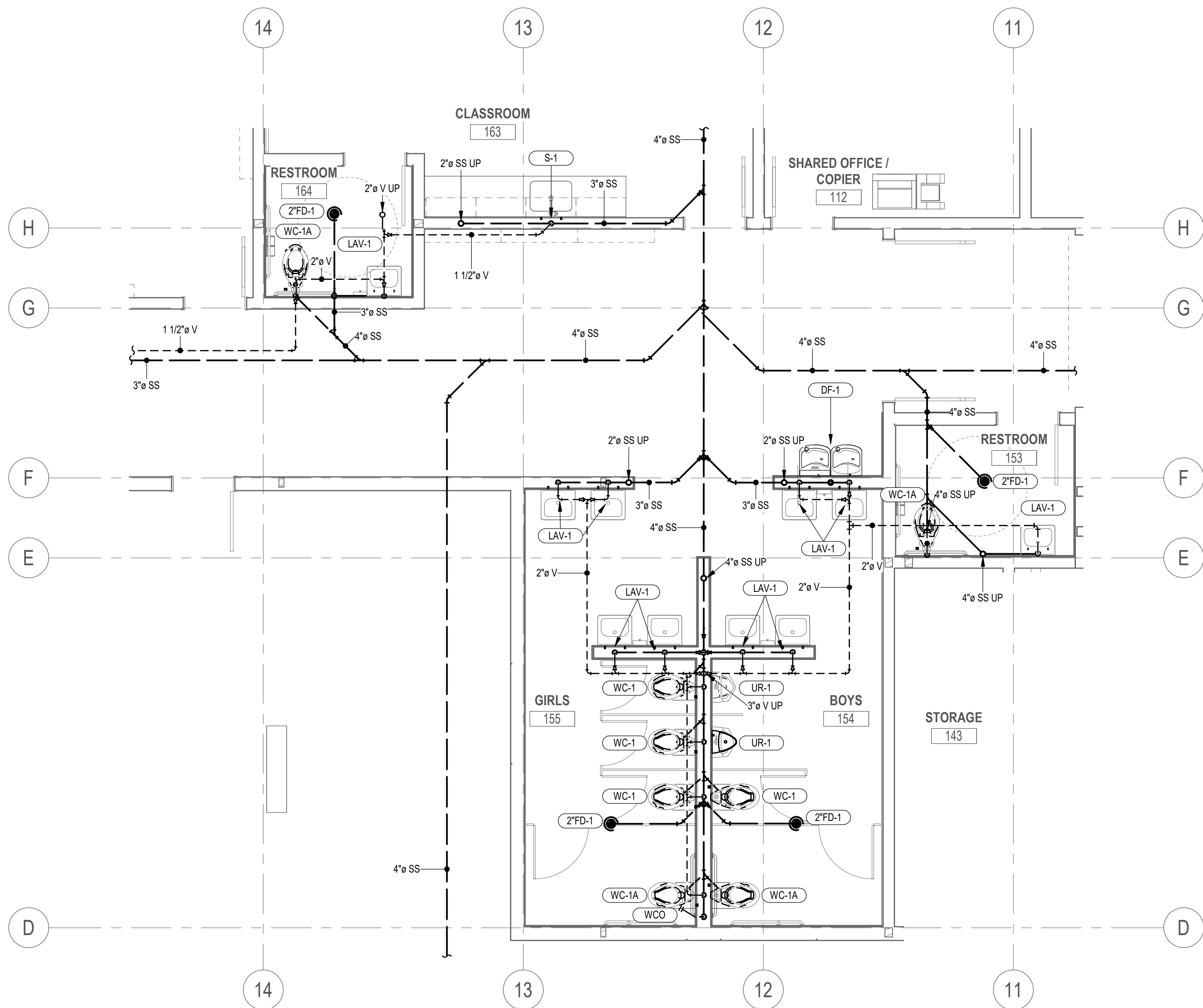
4 ENLARGED PLUMBING PLAN - LEVEL 2 RESTROOM DW

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



2 ENLARGED PLUMBING PLAN - LEVEL 1 RESTROOM WATER & GAS

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



5 ENLARGED PLUMBING PLAN - LEVEL 1 RESTROOM DW

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

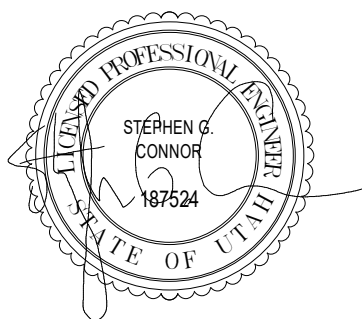
Revisions

Num.	Description	Date
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Project Number	25526
Original Issue	09/04/2026
Project Status	PERMIT SET

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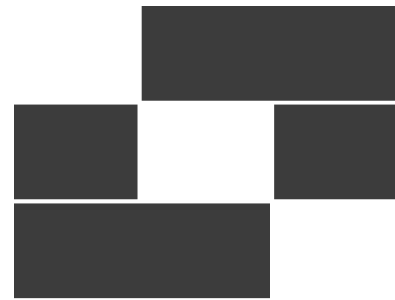


Sheet Title

ENLARGED PLUMBING
PLANS

Sheet Number

PL401



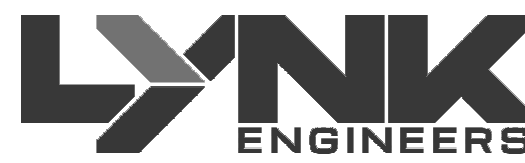
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Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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324 S. State St., Suite 400
Salt Lake City, UT 84111
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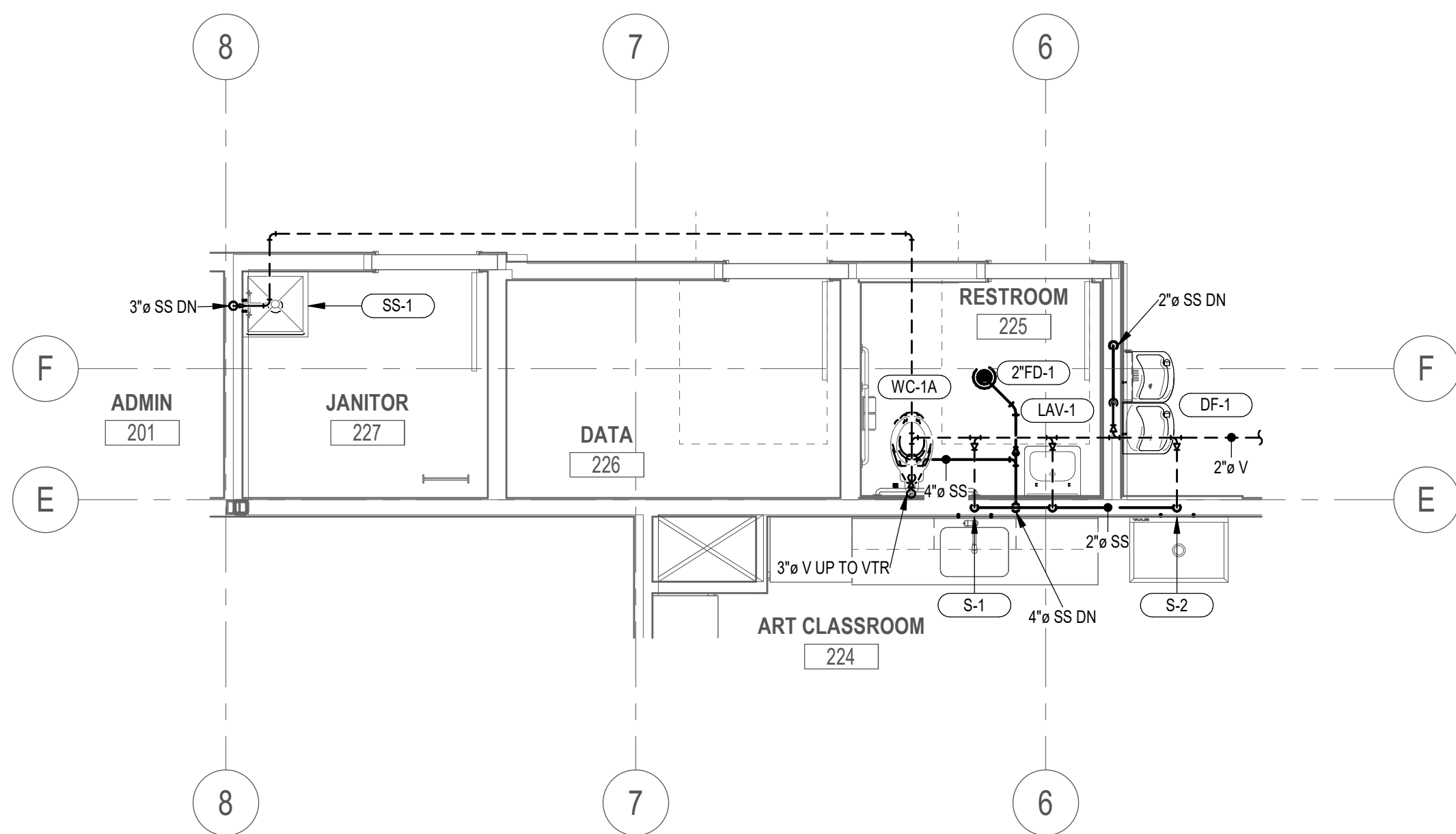
MAPLETON, UT

PLUMBING GENERAL NOTES

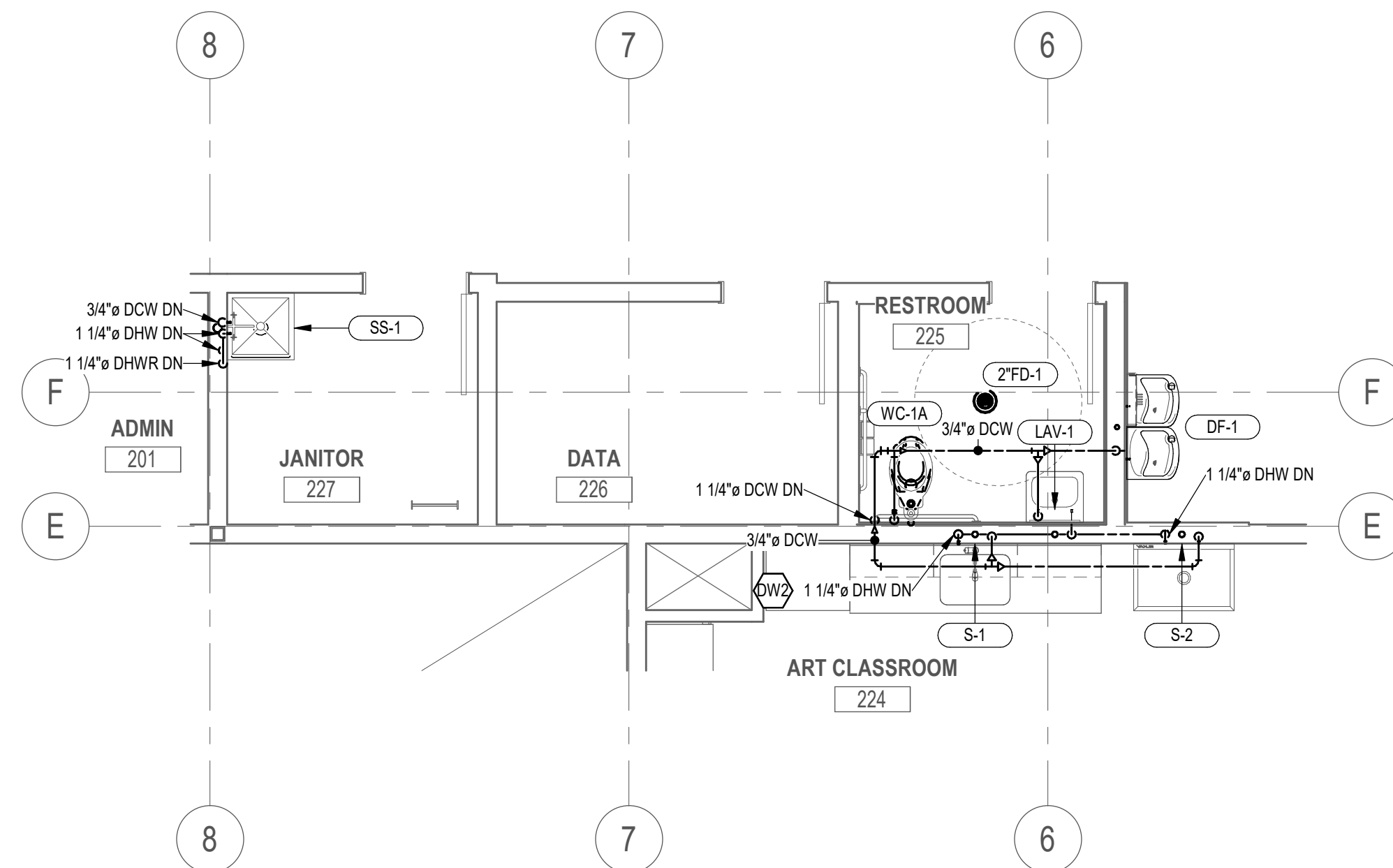
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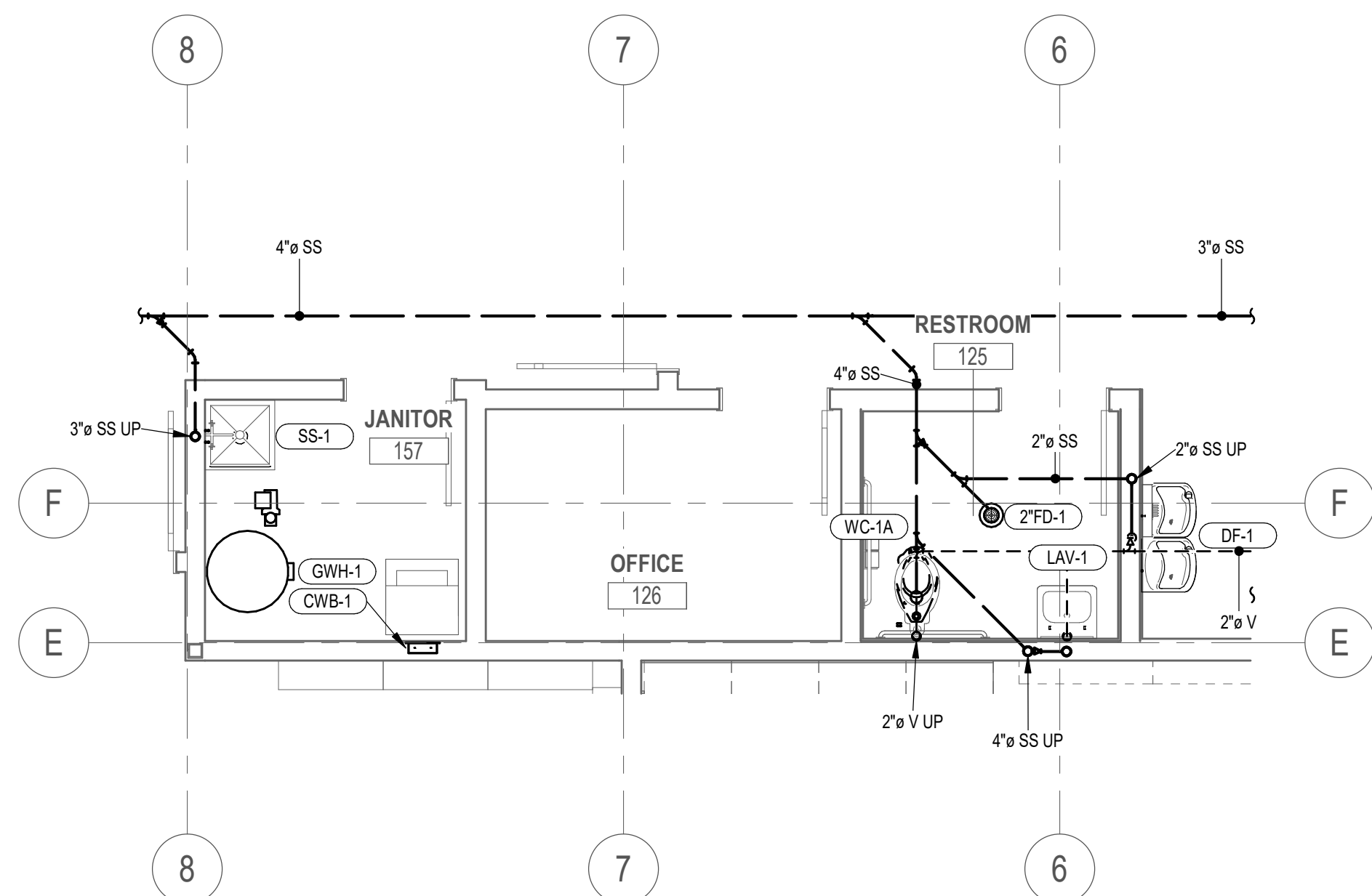
DW2 ROUTE DOMESTIC HOT WATER PIPING DOWN WALL TO WITHIN 2' OF FIXTURE STOP PER 2015 IECC TABLE C404.5.1



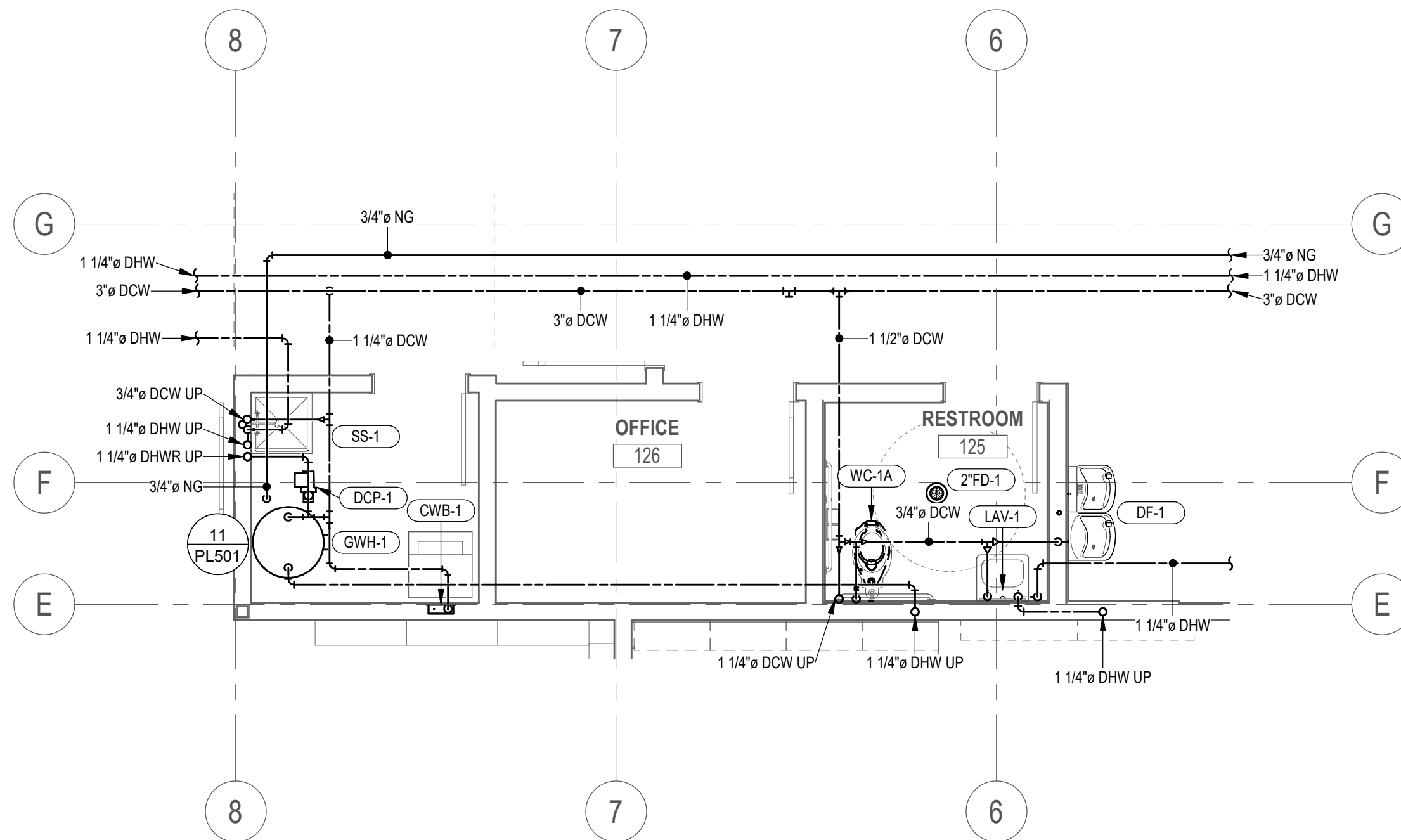
5 ENLARGED PLUMBING PLAN - DWV - LEVEL 2 RR 225
SCALE: 1/4" = 1'-0"



6 ENLARGED PLUMBING PLAN - WATER & GAS - LEVEL 2 RR 225
SCALE: 1/4" = 1'-0"



3 ENLARGED PLUMBING PLAN - DWV - LEVEL 1 RR 125
SCALE: 1/4" = 1'-0"



4 ENLARGED PLUMBING PLAN - WATER & GAS - LEVEL 1 RR 125
SCALE: 1/4" = 1'-0"

Revisions

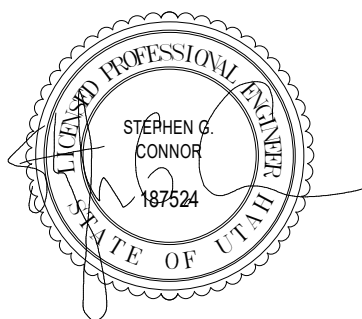
Num.	Description	Date
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Project Number	28526
Original Issue	09/04/2026
Project Status	PERMIT SET

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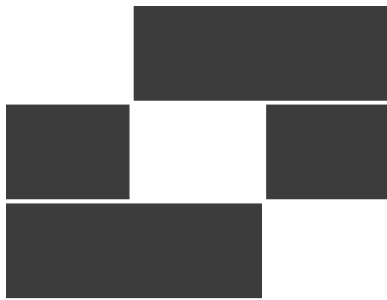


Sheet Title

ENLARGED PLUMBING
PLANS

Sheet Number

PL402



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 400
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
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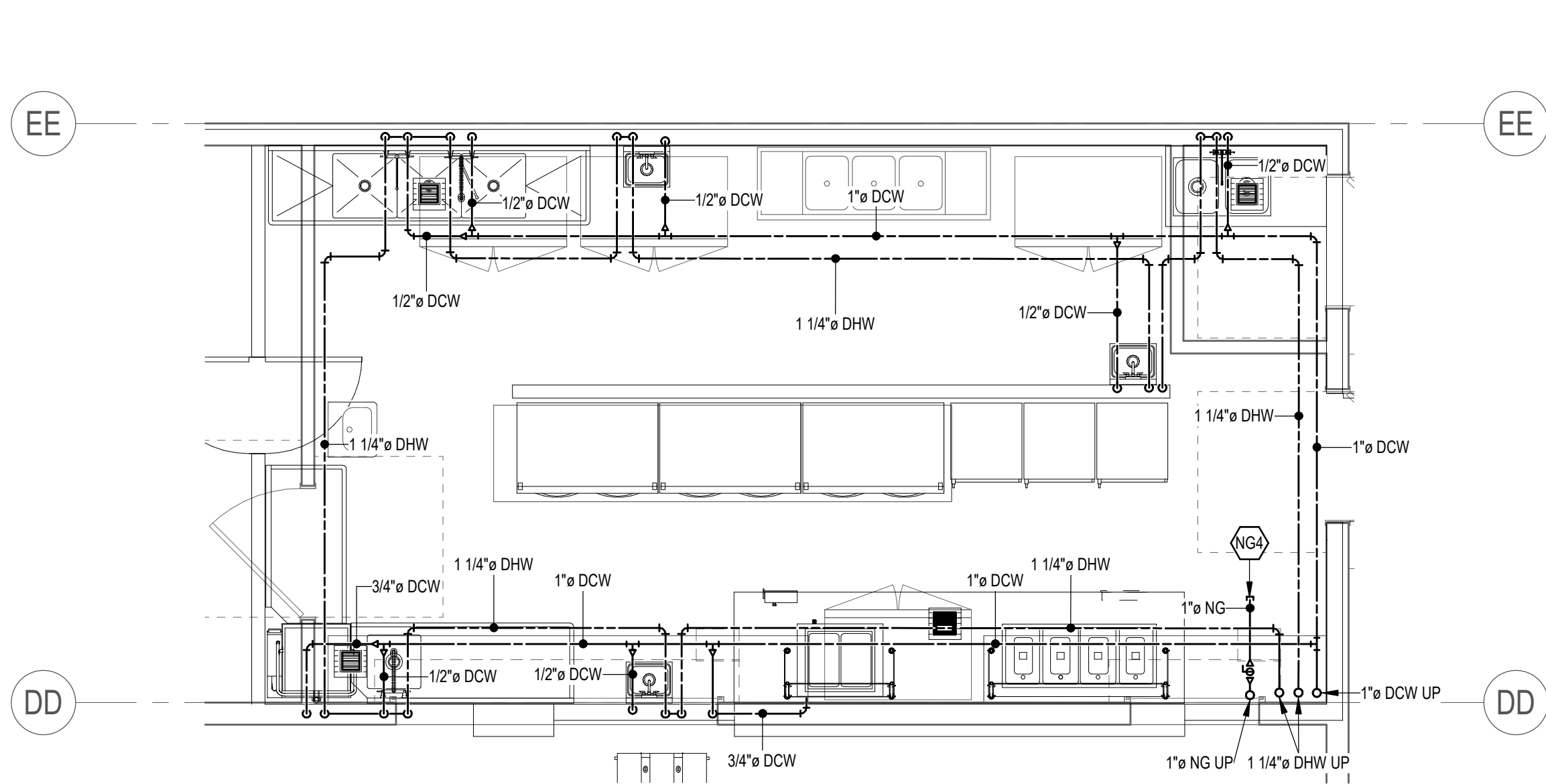
MAPLETON, UT

PLUMBING GENERAL NOTES

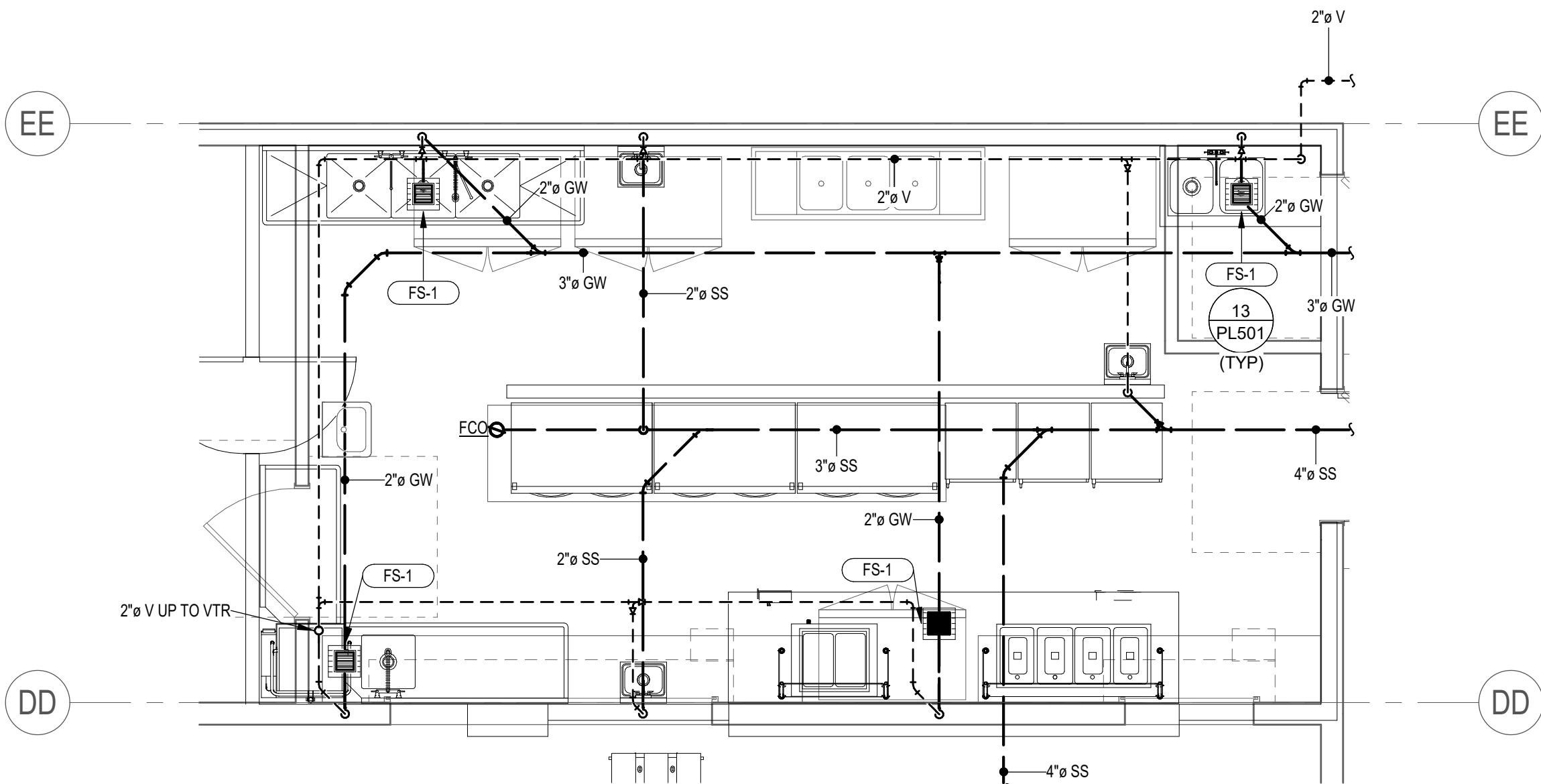
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SHEET KEYNOTES

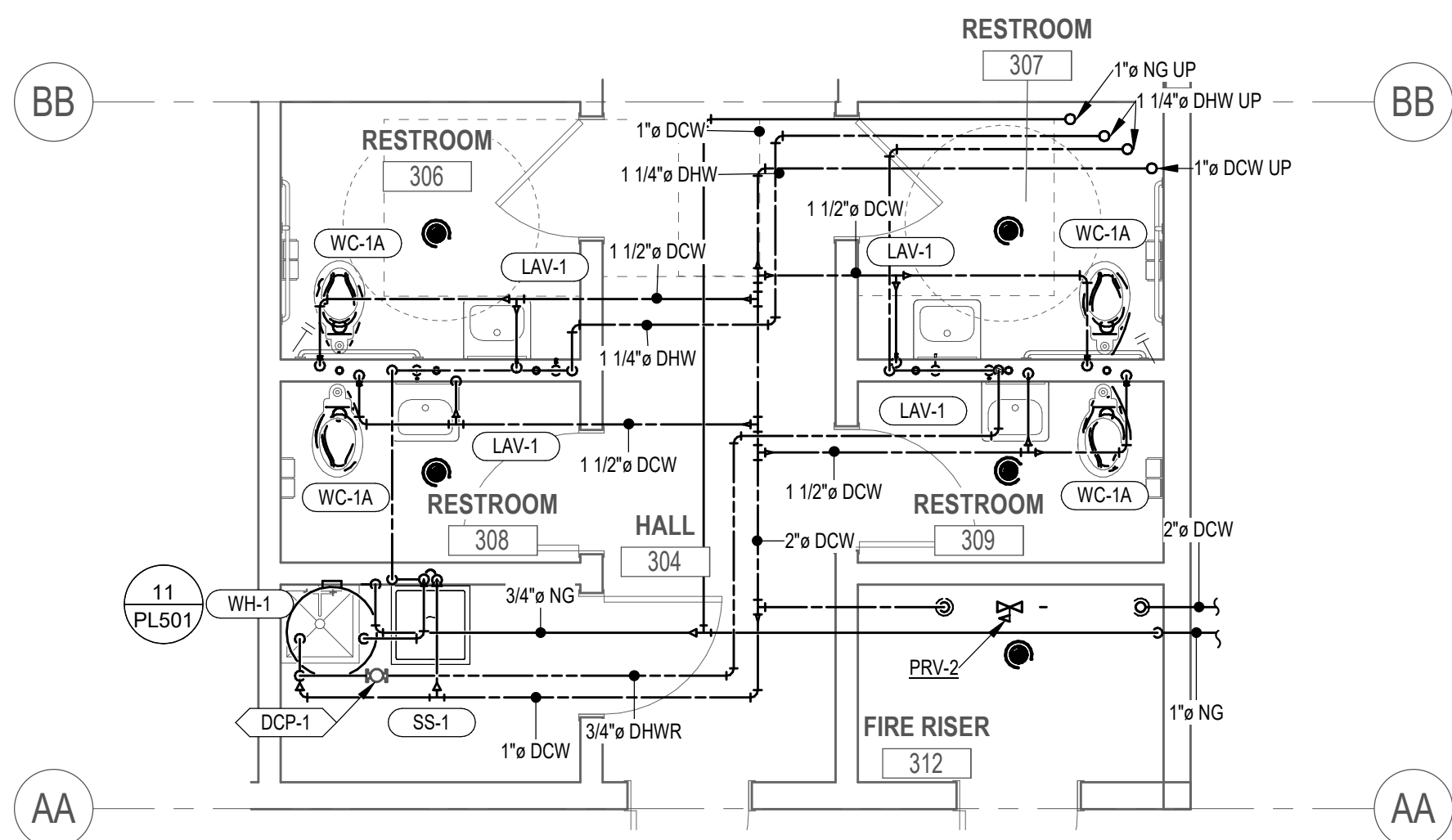
NG4 3/4" NG STUB OUT. PROVIDE WITH GAS COCK AND CAP FOR FUTURE USE.



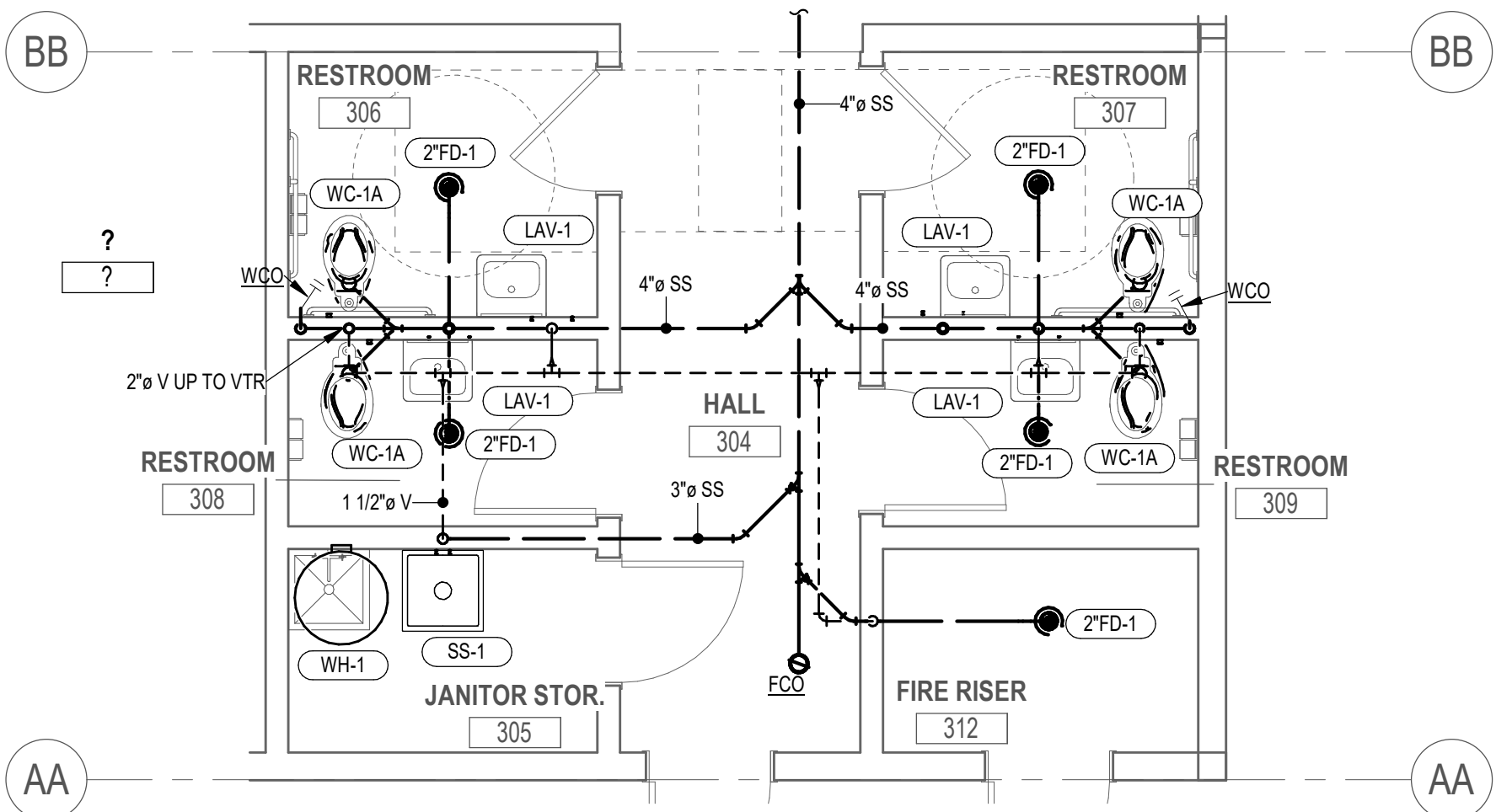
4 ENLARGED PLUMBING PLAN - WATER & GAS - POLE BARN KITCHEN
SCALE: 1/4" = 1'-0"



3 ENLARGED PLUMBING PLAN - DWV - POLE BARN KITCHEN
SCALE: 1/4" = 1'-0"



2 ENLARGED PLUMBING PLAN - WATER & GAS - POLE BARN RESTROOM
SCALE: 1/4" = 1'-0"



1 ENLARGED PLUMBING PLAN - DWV - POLE BARN RESTROOMS
SCALE: 1/4" = 1'-0"

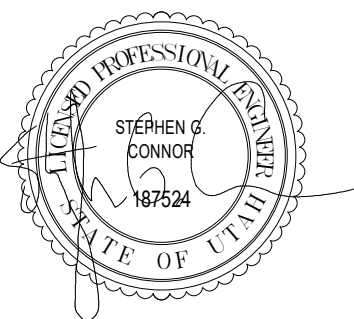
Revisions

Num.	Description	Date
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Project Number	28528
Original Issue	09/04/2026
Project Status	PERMIT SET

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Sheet Title

ENLARGED PLUMBING
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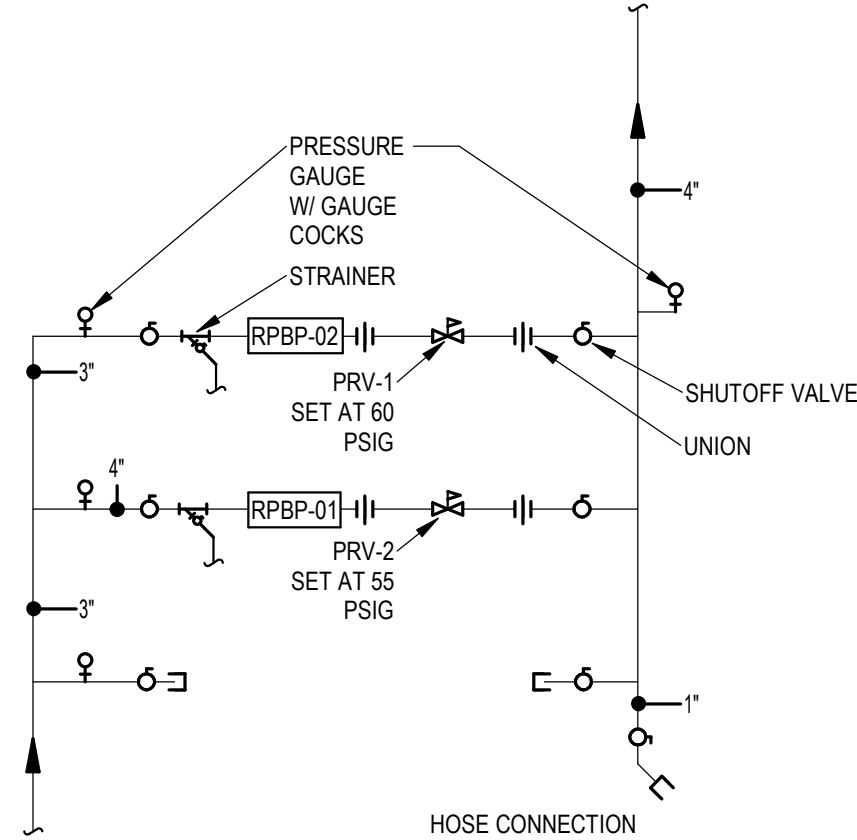
Sheet Number

PL403

DOMESTIC WATER - PRV

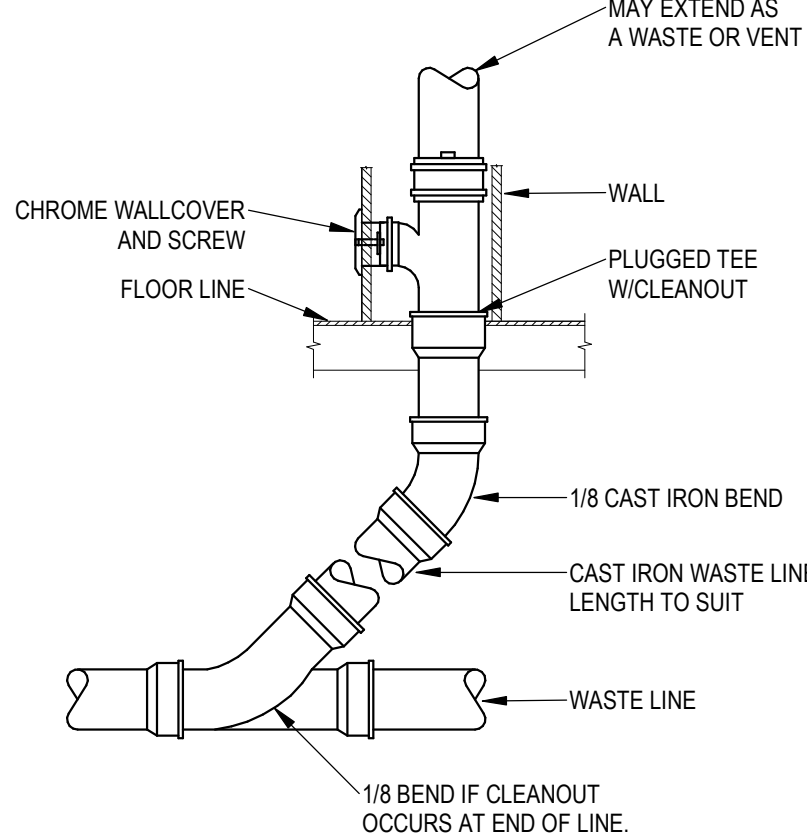
SCALE: 1/8" = 1'-0"

PRV SCHEDULE				
PLAN CODE	SIZE	MAX GPM @ 10 PSI	MANUFACTURER & MODEL NO	
PRV-1	3"	150	WATTS REGULATOR LF 127W 206	
PRV-2	3"	150	WATTS REGULATOR LF 127W 206	



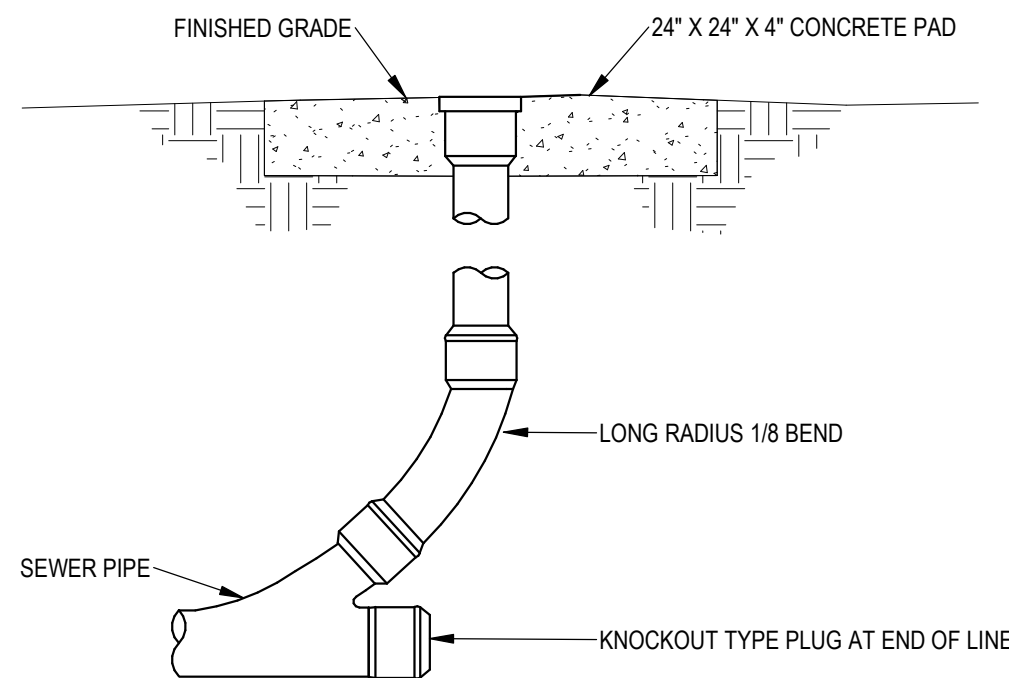
CLEANOUT - WALL

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



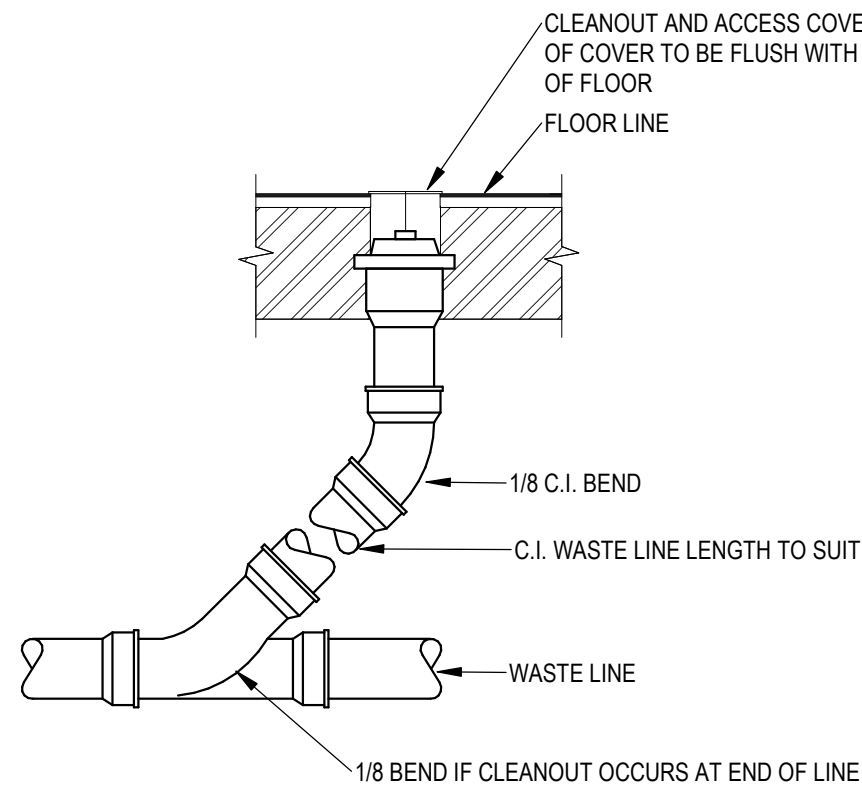
CLEANOUT - GRADE

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



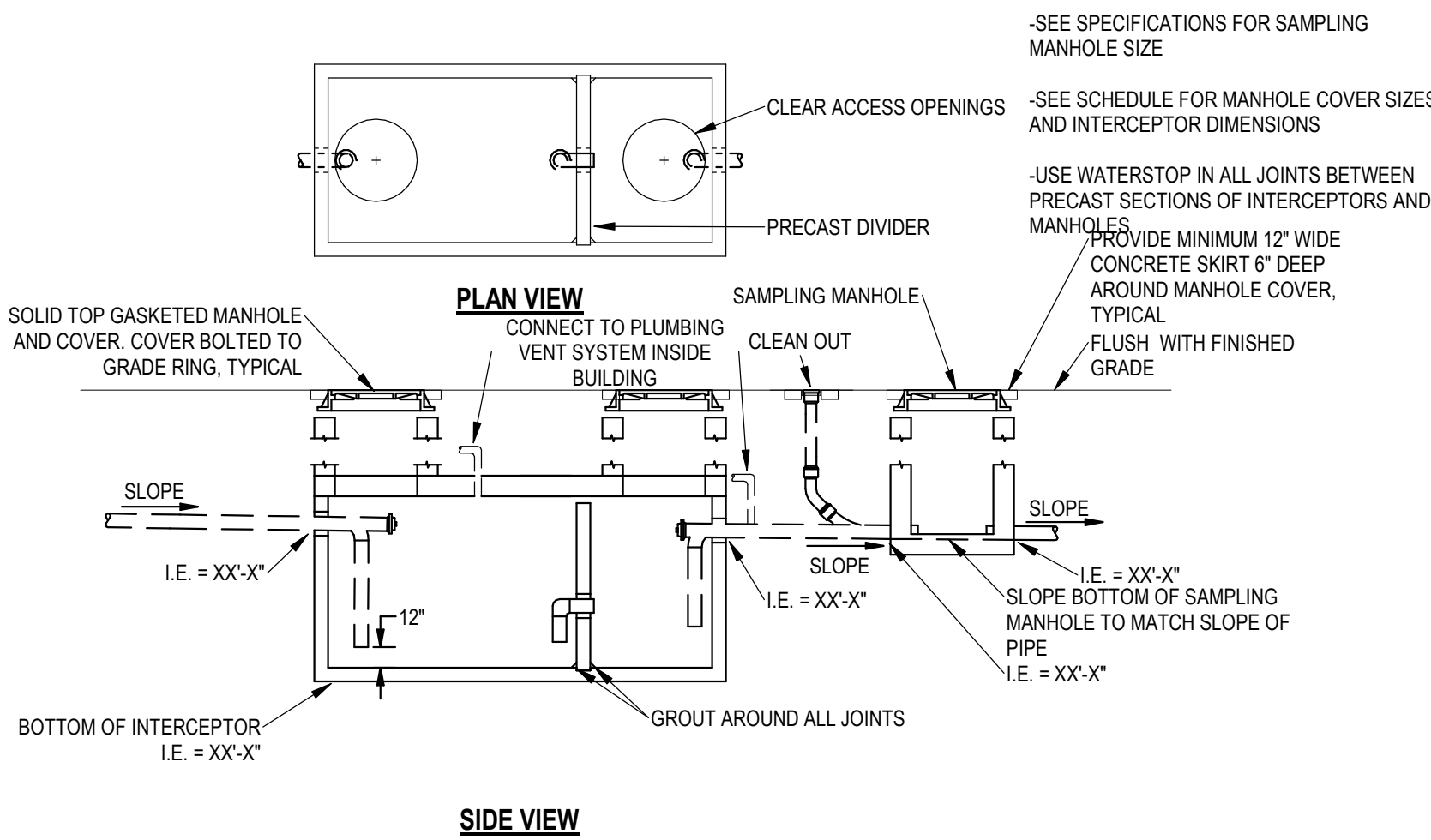
CLEANOUT - FLOOR

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



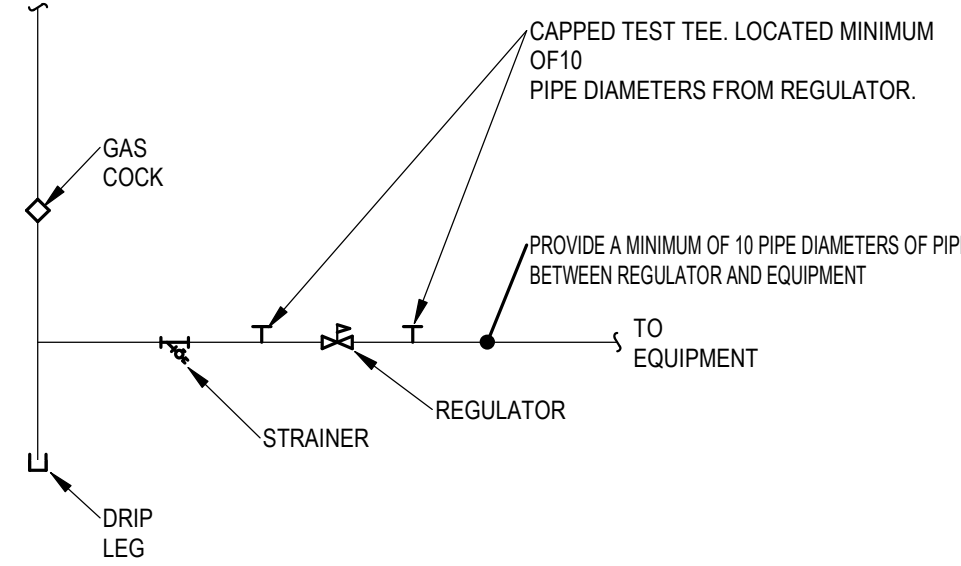
INTERCEPTOR - GREASE

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



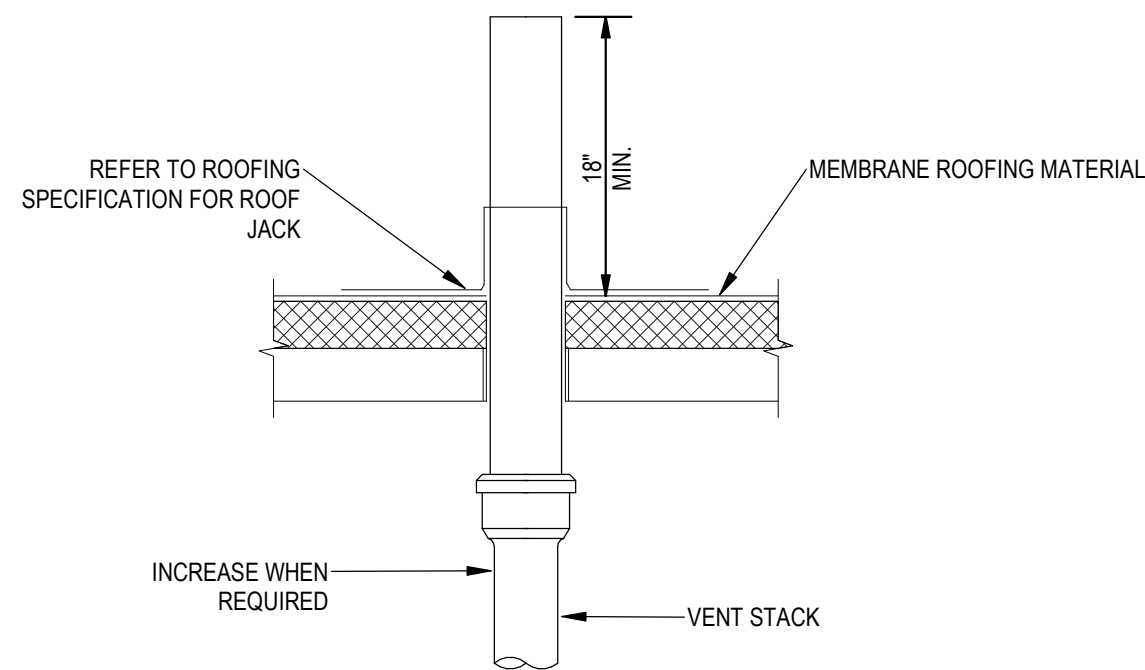
GAS REGULATOR

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



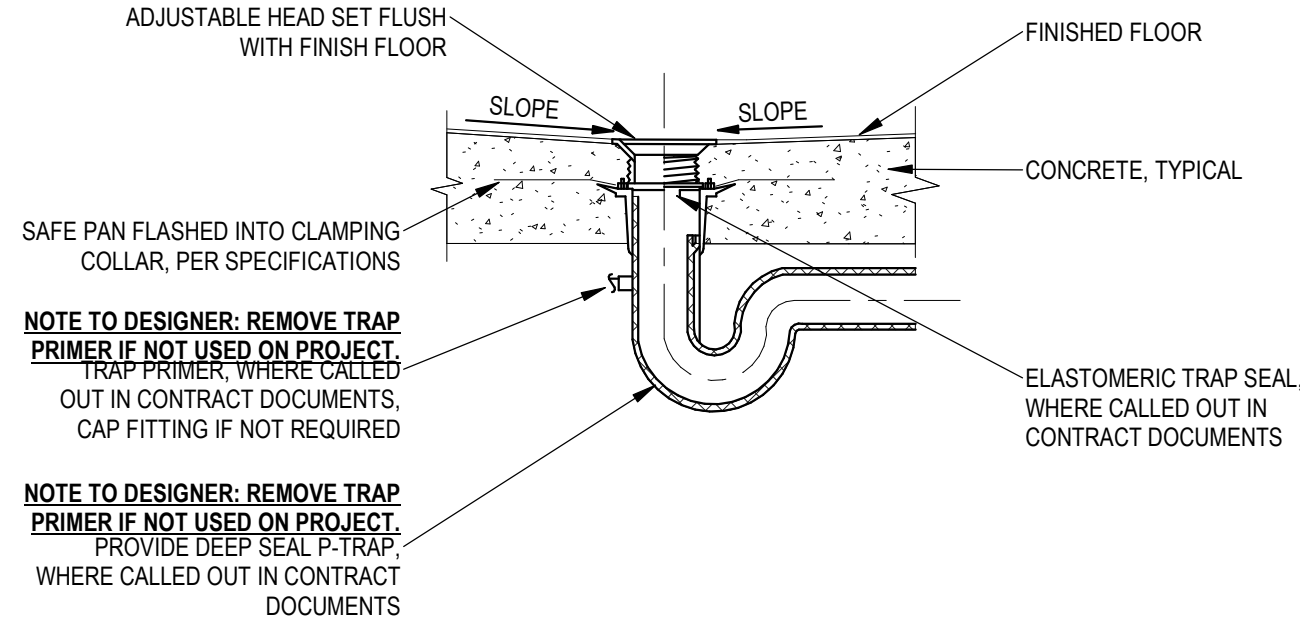
VENT THROUGH ROOF

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



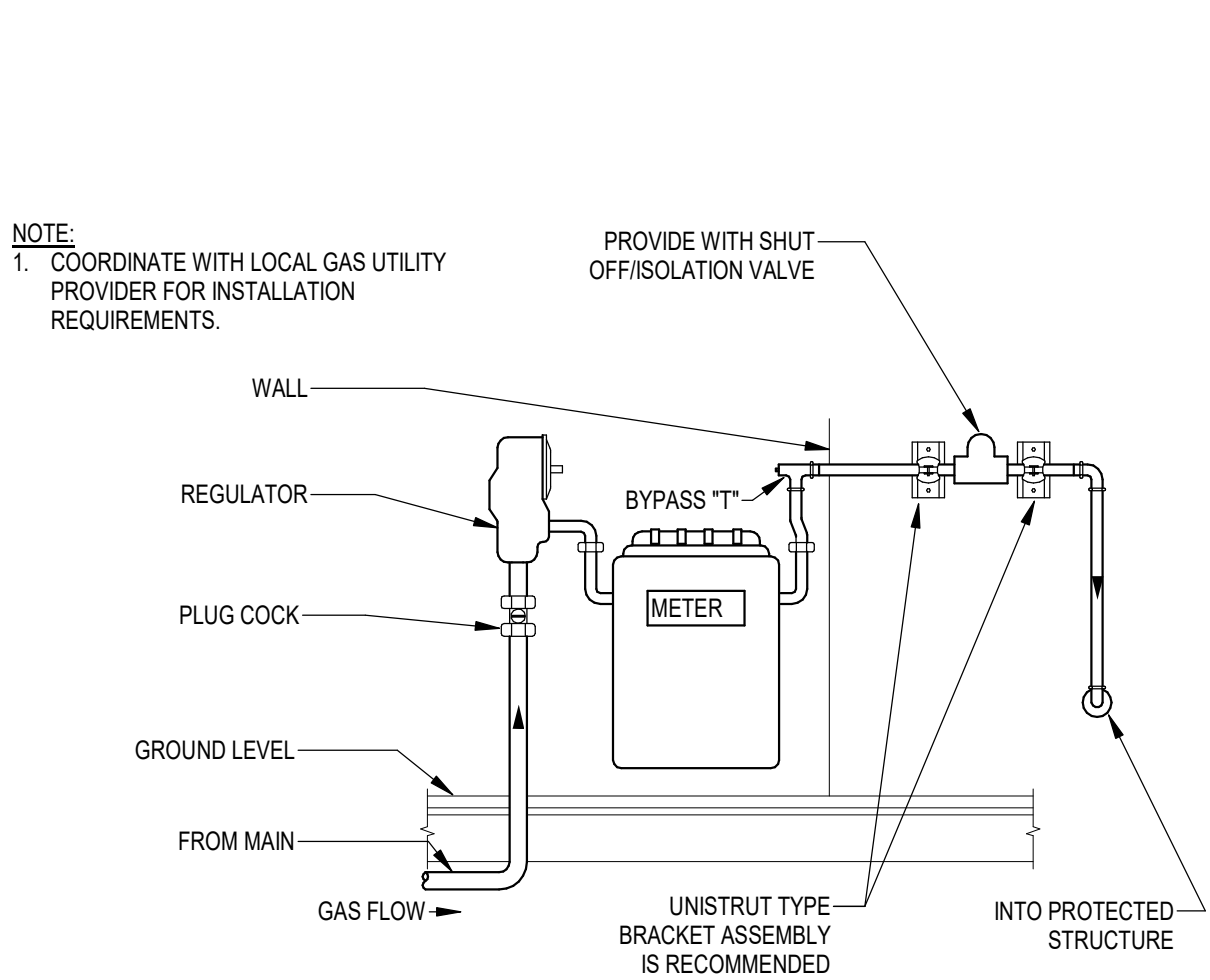
FLOOR DRAIN - SUSPENDED SLAB

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



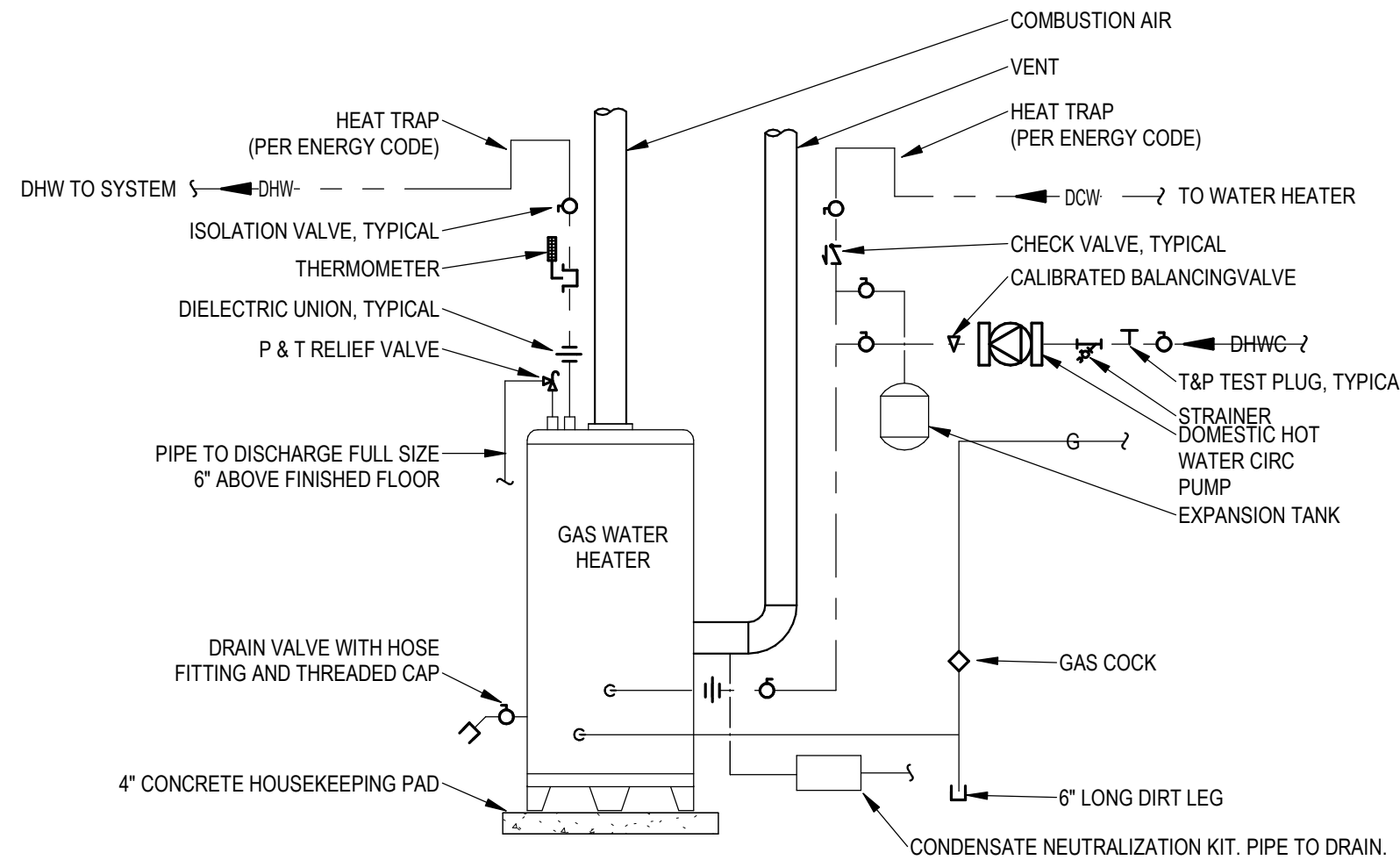
GAS METER DETAIL

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



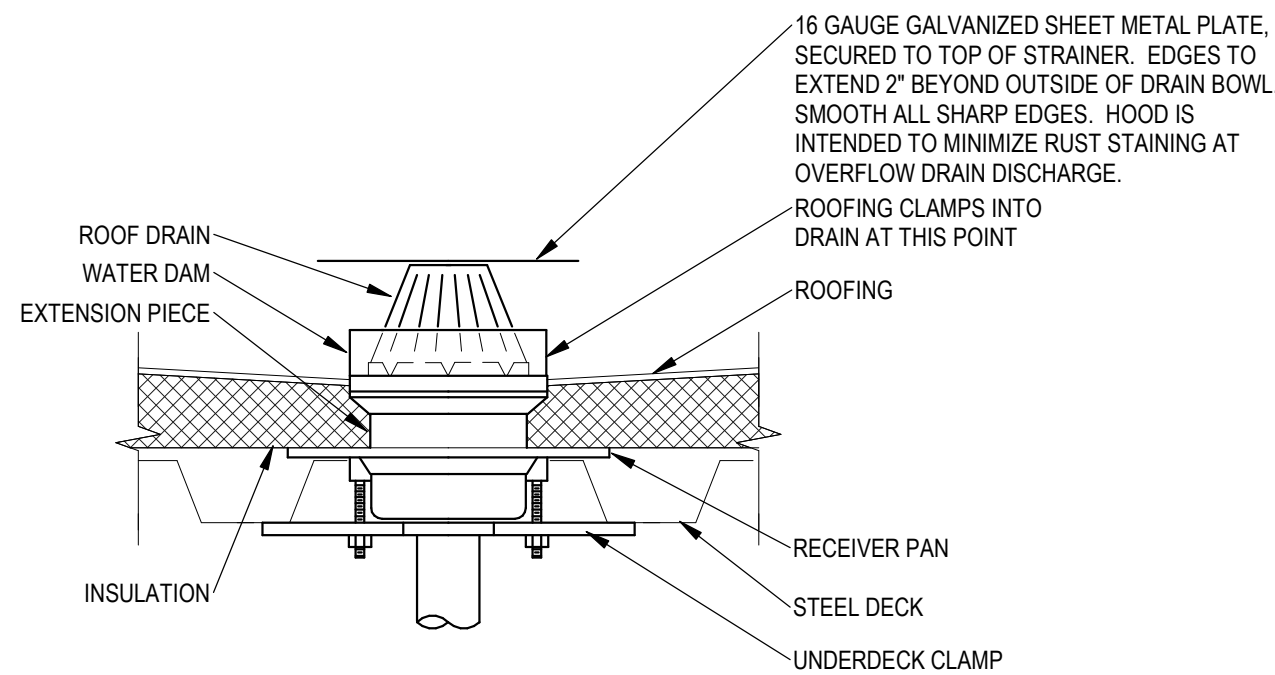
WATER HEATER PIPING (NG, CONDENSING, FLOOR MOUNTED)

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



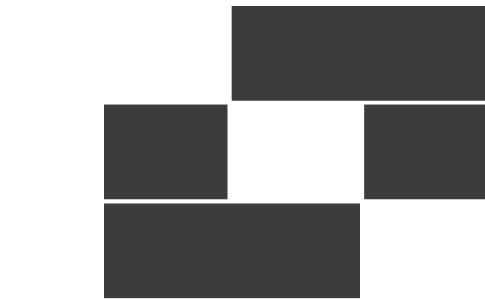
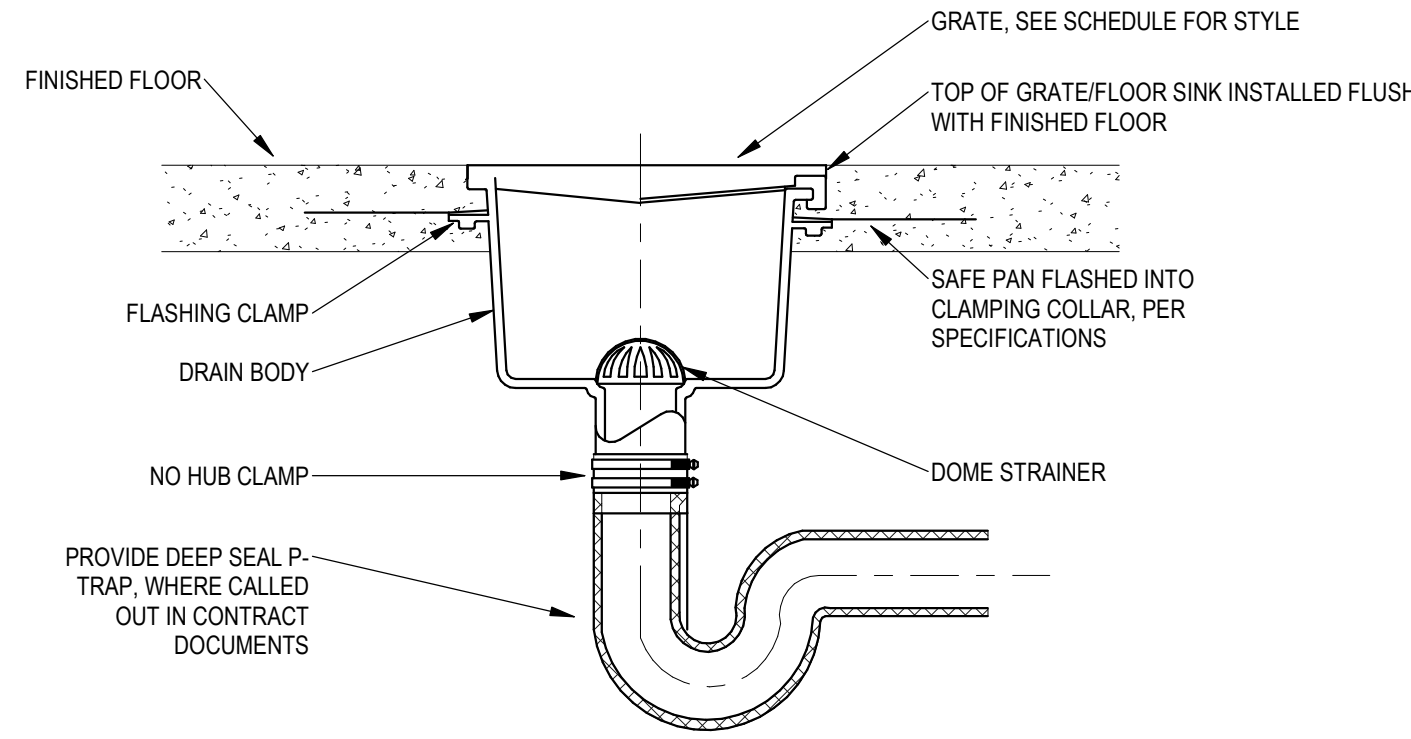
ROOF DRAIN - OVERFLOW

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



FLOOR SINK - SUSPENDED SLAB

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



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Salt Lake City
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Boise
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**NEW CHARTER
SCHOOL CAMPUS**

MAPLETON, UT

Revisions

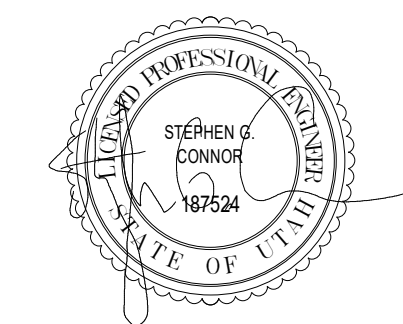
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Project Number 28531
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Stamp



Sheet Title

PLUMBING DETAILS

Sheet Number

PL501

IPC 2018 1106.2 - Storm Drain Pipe Sizing

Pipe Size (in)	Capacity (gpm)				
	Vertical Drain	Slope per ft of Horizontal Drain			
		1/16"	1/8"	1/4"	1/2"
2	34	15	22	31	44
3	87	39	55	79	111
4	180	81	115	163	231
5	311	117	165	234	331
6	538	243	344	487	689
8	1,117	505	714	1,010	1,429
10	2,050	927	1,311	1,855	2,623
12	3,272	1,480	2,093	2,960	4,187
15	5,543	2,508	3,546	5,016	7,093

Enter Rain fall rate 1.5

Pipe Size (in)	Vertical Drain	Horizontal Roof Area (sf)			
		Slope per ft of Horizontal Drain			
		1/16"	1/8"	1/4"	1/2"
2	2,182	963	1,412	1,989	2,823
3	5,583	2,503	3,529	5,069	7,123
4	11,550	5,198	7,379	10,459	14,823
5	19,956	7,508	10,588	15,015	21,239
6	34,522	15,593	22,073	31,249	44,211
8	71,674	32,404	45,815	64,808	91,694
10	131,542	59,483	84,123	119,029	168,309
12	209,953	94,967	134,301	189,933	268,666
15	355,676	160,930	227,535	321,860	455,134

PLUMBING FIXTURE SCHEDULE											
REFER TO PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE COMPONENTS											
LABEL	DESCRIPTION	PIPE SIZE				MANUFACTURER & MODEL	REMARKS				
		WASTE	TRAP	VENT	CW			HW			
2FD-1	FLOOR DRAIN			0"	0"	0"	J.R. SMITH MANUFACTURING COMPANY FIG. 2005Y-4B-U-M.	DUCO CAST IRON FLOOR DRAIN WITH HEEL PROOF GRATE. SEE PLANS FOR OUTLET SIZE PROVIDE WITH DEEP SEAL TRAP GUARD			
3FD-1	FLOOR DRAIN	0"		0"	0"	0"	J.R. SMITH MANUFACTURING COMPANY FIG. 2005Y-4B-U-M.	DUCO CAST IRON FLOOR DRAIN WITH HEEL PROOF GRATE. SEE PLANS FOR OUTLET SIZE PROVIDE WITH DEEP SEAL TRAP GUARD			
3OD-1	OVERFLOW ROOF DRAIN	0"		0"	0"	0"	J.R. SMITH SERIES 1080 GENERAL PURPOSE OVERFLOW ROOF DRAIN	PROVIDE WITH DUCO CAST IRON BODY			
3RD-1	ROOF DRAIN	0"		0"	0"	0"	J.R. SMITH SERIES 1010 GENERAL PURPOSE ROOF DRAIN	PROVIDE WITH DUCO CAST IRON BODY			
4DSN	DOWNSPOUT NOZZLE	0"	---	0"	0"	0"	ZURN Z199	TO MATCH PIPE SIZE MOUNTED 12" ABOVE FINISHED GRADE OR AS PER ARCHITECT			
CDTG	CLEANOUT TO GRADE	0"	---	0"	0"	0"	ZURN Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED			
CWB-1	WASHING MACHINE OUTLET BOX	2"	0"	0"	0"	1/2"	WATER-TITE W4700 HA SERIES	PROVIDE WATER HAMMER ARRESTORS ENSURE 1" MIN. AIR GAP IS PROVIDED FOR WASTE			
DF-1	DUAL B-LEVEL DRINKING FOUNTAIN BOTTLE FILLER ADA CHILLED AND FILTERED	1 1/2"		1 1/2"		1/2"	FIGTURE: ELKAY EZSTL4FC	ELECTRICAL: 115V/60Hz - 5 FLA - 370 WATTS PROVIDE WITH IN-WALL CARRIER			
FD0	FLOOR CLEANOUT	0"	---	0"		0"	ZURN Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED			
FS-1	FLOOR SINK	2"		1 1/2"		0"	J.R. SMITH MANUFACTURING COMPNAY FIG. 3150-Y-4SB SQUARE FLOOR SINK	FLOOR SINK SHALL BE OF CAST IRON CONSTRUCTION WITH ENAMEL INTERIOR FINISH. MINIMUM INTERIOR DIMENSIONS OF 12"x12"x8"D. PROVIDE WITH NICKEL BRONZE GRATE AND DEEP SEAL P-TRAP. SEE FOOD SERVICE EQUIPMENT PLANS FOR GRATE REQUIRED IN KITCHEN OR EQUAL			
LAV-1	LAVATORY	2"	1 1/2"	1 1/2"	1/2"	1/2"	FIGTURE: AMERICAN STANDARD LUCERNE 0355 FAUCET: AMERICAN STANDARD COLONY PRO 7075-200 INSULATION: TRUEBRO LAVGUARD 2 TMV: WEBSTONE H-77211W-TG	SET TMV AT 110°F.			
S-1	CLASSROOM SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	FIGTURE: ELKAY LK406GN04T4 TMV: BRADLEY S59-4100	SET TMV AT 110°F.			
S-2	ART ROOM SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	FIGTURE: ELKAY LK406GN04T4 TMV: BRADLEY S59-4100	SET TMV AT 110°F.			
SS-1	JANITOR SINK	3"	3"	1 1/2"	3/8"	3/8"	FIGTURE: MUSTEE MODEL 63M FAUCET: MUSTEE 63.600A	PROVIDE WITH HOSE AND HOSE HOLDER, MOP HANGER, BUMPER GUARDS, AND WALL GUARDS			
UR-1	URINAL	2"	2"	2"	3/4"	0"	FIGTURE: AMERICAN STANDARD MAYBROOK 6881-001 FLUSH VALVE: AMERICAN STANDARD 6045-013-002	VITREOUS CHINA, WHITE, 1.0 GPF. SEE ARCH. DRAWING FOR MOUNTING HEIGHT			
WC-1	WATER CLOSET	4"	3"	2"	1 1/4"	0"	FIGTURE: AMERICAN STANDARD MADERA 2254-001 FLUSH VALVE: ZURN Z8000AV	MADERA FLOWISE 16.7" RIM HEIGHT, 1.1 GPF SENSOR OPERATED BATTERY POWERED FLUSH VALVE. SEAT: HEAVY DUTY OPEN FRONT LESS COVER WITH EVERCLEAN® SURFACE & SELF-SUSTAINING HINGES 590110SS-02			
WC-1A	WATER CLOSET FLOOR MOUNT ADA BATTERY POWERED SENSOR FLUSH VALVE	4"	3"	2"	1 1/4"	0"	FIGTURE: AMERICAN STANDARD MADERA 3034-001 FLUSH VALVE: ZURN ZER6000AV-CPM	MADERA FLOWISE 16.7" RIM HEIGHT, 1.1 GPF SENSOR OPERATED BATTERY POWERED FLUSH VALVE. SEAT: HEAVY DUTY OPEN FRONT LESS COVER WITH EVERCLEAN® SURFACE & SELF-SUSTAINING HINGES 590110SS-02			
WCO	WALL CLEANOUT	0"	---	0"	0"	0"	ZURN Z1446	SIZE TO MATCH PIPE BEING SERVED			

GAS WATER HEATER SCHEDULE (GWH)													
PLAN CODE	INPUT (BTU/HR)	THERMAL EFFICIENCY	STORAGE CAPACITY (GAL)	HEATER RECOVERY CAPACITY (100°F RISE)	1ST HOUR RATING	3-HR AVE	STORAGE TEMP	MAX DIMENSIONS		ELECTRICAL POWER	OPERATING WEIGHT (LBS)	MANUFACTURER & MODEL NO.	REMARKS
								DIAMETER (IN)	HEIGHT (IN)				
GWH-1	120,000	95%	60	138 GPH	180 GPH	475 GPH	140 °F	27 1⁄2	55 1⁄2	120V / 60Hz	958	AO SMITH CYCLONE FLEX BTH-120(A)	ALL
1. PROVIDE WITH UPPER AND LOWER SEISMIC STRAPS WITH TWO 5/16" LAG SCREWS HAVING 2" OF EMBED AT EACH CONNECTION LOCATION 2. PROVIDE WITH CIRCULATION PUMP 3. PROVIDE WITH ET-1 EXPANSION TANK 4. PROVIDE WITH CONCENTRIC VENT KIT													

DOMESTIC CIRCULATION PUMP SCHEDULE (DCP)									
PLAN CODE	SYSTEM SERVICE	FLOW (GPM)	HEAD (FT)	FLUID TEMP (°F)	MOTOR		TOTAL WEIGHT (LBS)	MANUFACTURER & MODEL NO.	REMARKS
					SIZE (HP / W)	POWER			
DCP-1	GWH-1	1	13	110	1/25 / 30W	120V / 1 Φ	6	GRUNDFOS / UP-15-15-B7	ALL
1. PROVIDE PAT PORT ON INLET AND DISCHARGE OF PUMP 2. PROVIDE WITH PLUG-END POWER CORD 3. PROVIDE WITH BRONZE BODY & SWEAT CONNECTIONS 4. PROVIDE WITH AQUASTAT AND TIMER. REFER ALSO TO SPEC 230900 § 3.6(G) FOR SEQUENCE OF OPERATION									

EXPANSION TANK SCHEDULE (ET)					
PLAN CODE	WATER TEMP °F	TANK VOLUME (GAL)	MAX DIMENSIONS		MANUFACTURER & MODEL NO.
			DIAMETER (IN)	HEIGHT (IN)	
ET-1	140	2.3	10	14	25
BELL & GOSSETT PTA-3					



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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Revisions

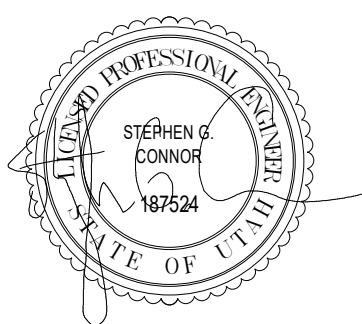
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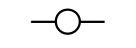
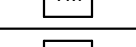
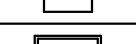
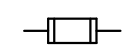
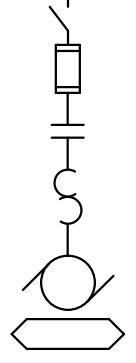
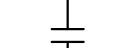
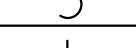
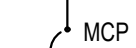
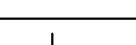
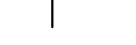
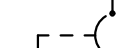
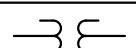
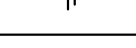
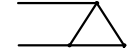


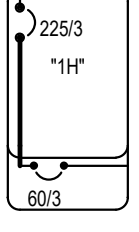
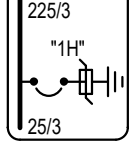
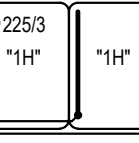
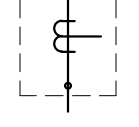
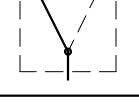
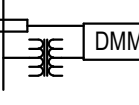
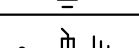
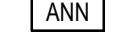
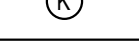
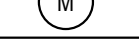
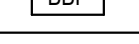
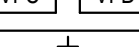
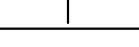
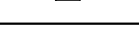
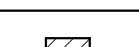
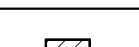
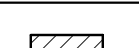
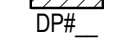
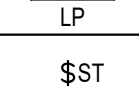
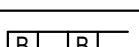
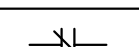
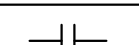
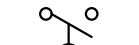
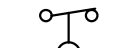
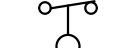
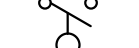
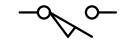
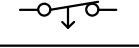
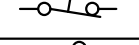
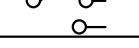
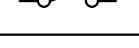
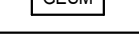
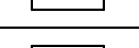
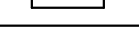
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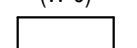
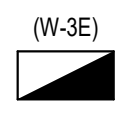
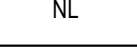
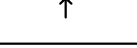
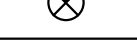
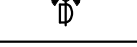
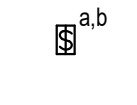
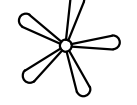
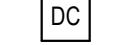
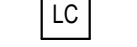
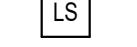
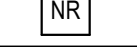
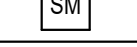
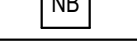
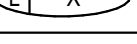
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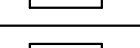
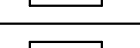
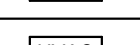
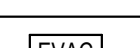
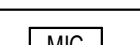
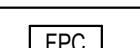
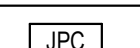
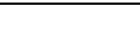
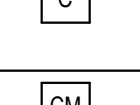
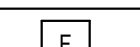
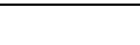
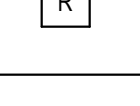
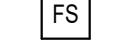
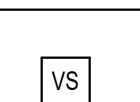
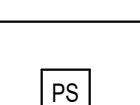
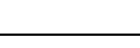
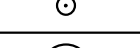
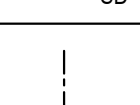
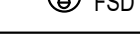
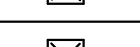
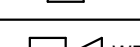
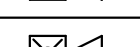
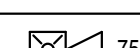
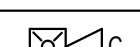
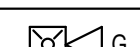
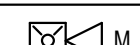
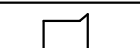
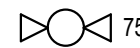
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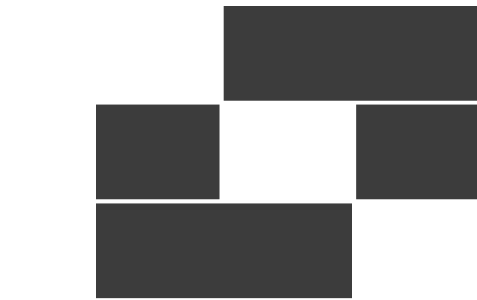
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SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
	ELECTRIC LINE: THIN LINE: 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
	LIGHTNING ARRESTOR.
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
	UTILITY SERVICES, MANHOLE.
	UTILITY, COMMUNICATIONS MANHOLE.
	UTILITY, ELECTRICAL MANHOLE.
	UTILITY, TELEPHONE MANHOLE.
	PRECAST CONCRETE, COMMUNICATION VAULT.
	PRECAST CONCRETE, ELECTRICAL VAULT.
	PRECAST CONCRETE, TELEPHONE VAULT.
	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
	PRECAST CONCRETE, TRANSFORMER PAD.
	IN-GRADE PULLBOX, HAND HOLE. OPTIONS WITH SQUARE OR ROUND CORNERS. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
	SUBSTATION.
	TRANSFORMER.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP. "RAF" REPRESENTS FRAME RATING. "RAT" REPRESENTS TRIP UNIT. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP CURVE. L=LONG TIME CURVE ADJUSTMENT, S=SHORT TIME CURVE ADJUSTMENT, INSTANTANEOUS CURVE ADJUSTMENT, G=GROUND FAULT ADJUSTMENT FULLY COMPLIANT WITH NEC 210.13, 215.10 AND 230.95. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH ARC ENERGY REDUCTION SYSTEM INCLUDING ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR FULLY COMPLIANT WITH NEC 240.87 (ONE-LINE DIAGRAM)
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	POTENTIAL TRANSFORMER (PT/VT) (ONE-LINE DIAGRAM).
	CURRENT TRANSFORMER (CT) (ONE-LINE DIAGRAM).
	BATTERY (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DELTA CONNECTION (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
	PANELBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	AUTOMATIC TRANSFER SWITCH (ATS) WITH BYPASS ISOLATION SWITCH (ONE-LINE DIAGRAM).
	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
	PUSH BUTTON, REMOTE EMERGENCY STOP.
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM).
	METER.
	BROAD BAND FILTER (ONE-LINE DIAGRAM).
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
	BUSWAY.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/OR GENERATOR AND/OR CENTRALIZED INVERTER AND/OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	VACANCY SENSOR, DUAL TECHNOLOGY, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
	PHOTOCELL.
	PHOTOCELL, WALL MOUNTED.
	CEILING FAN.
	DIGITAL LIGHTING ROOM CONTROLLER
	DIGITAL LIGHTING DIMMING CONTROLLER
	DIGITAL PLUG LOAD CONTROLLER
	LIGHTING NETWORK SWITCH.
	LIGHTING NETWORK ROUTER.
	LIGHTING NETWORK SEGMENT MANAGER
	LIGHTING NETWORK BRIDGE
	LIGHTING EMERGENCY TRANSFER DEVICE
	LIGHTING SPACE CONTROL TYPE: X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
TWO-WAY COMMUNICATIONS	
	TWO-WAY COMMUNICATIONS MAIN CONTROL STATION (ANNUNCIATOR)
	TWO-WAY COMMUNICATIONS REMOTE CALL STATION

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
FIRE ALARM	
	FIRE ALARM ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
	CONTROL PANEL FOR HVAC: SMOKE CONTROL, STAIR PRESSURIZATION.
	VOICE EVACUATION PANEL.
	PRE-ACTION CONTROL PANEL.
	REMOTE VOICE EVACUATION MICROPHONE.
	FIRE PUMP CONTROLLER.
	JOCKEY PUMP CONTROLLER.
	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	WATER FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, WALL MOUNTED.
	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
	DETECTOR, SMOKE, BEAM RECEIVER.
	DETECTOR, SMOKE, BEAM TRANSMITTER.
	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
	DETECTOR, SMOKE WITH GUARD.
	DETECTOR, SMOKE, RESIDENTIAL.
	DETECTOR, SMOKE WITH STROBE.
	DETECTOR, SMOKE, RESIDENTIAL WITH SOUNDER BASE.
	DETECTOR, SMOKE, AIR SAMPLING SYSTEM PORT LOCATION.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	COMBINATION FIRE/SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	REMOTE ALARM INDICATING AND TEST SWITCH.
	DETECTOR, HEAT.
	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN/STROBE WITH GUARD, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, MINI HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	BELL, ELECTRIC, 120V FROM ELECTRICAL SYSTEM OR 24V FROM FIRE ALARM SYSTEM



Babcock Design

Salt Lake City
 52 Exchange Place
 Salt Lake City, UT 84111
 801.531.1144

Boise
 800 W Main Street, Suite 940
 Boise, ID 83702
 208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
 Salt Lake City, UT 84111
 800-678-7077
 801-328-5151
 www.lynkengineers.com

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Revisions

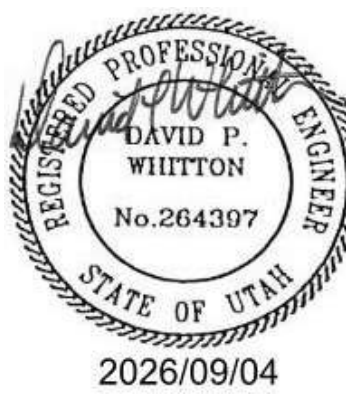
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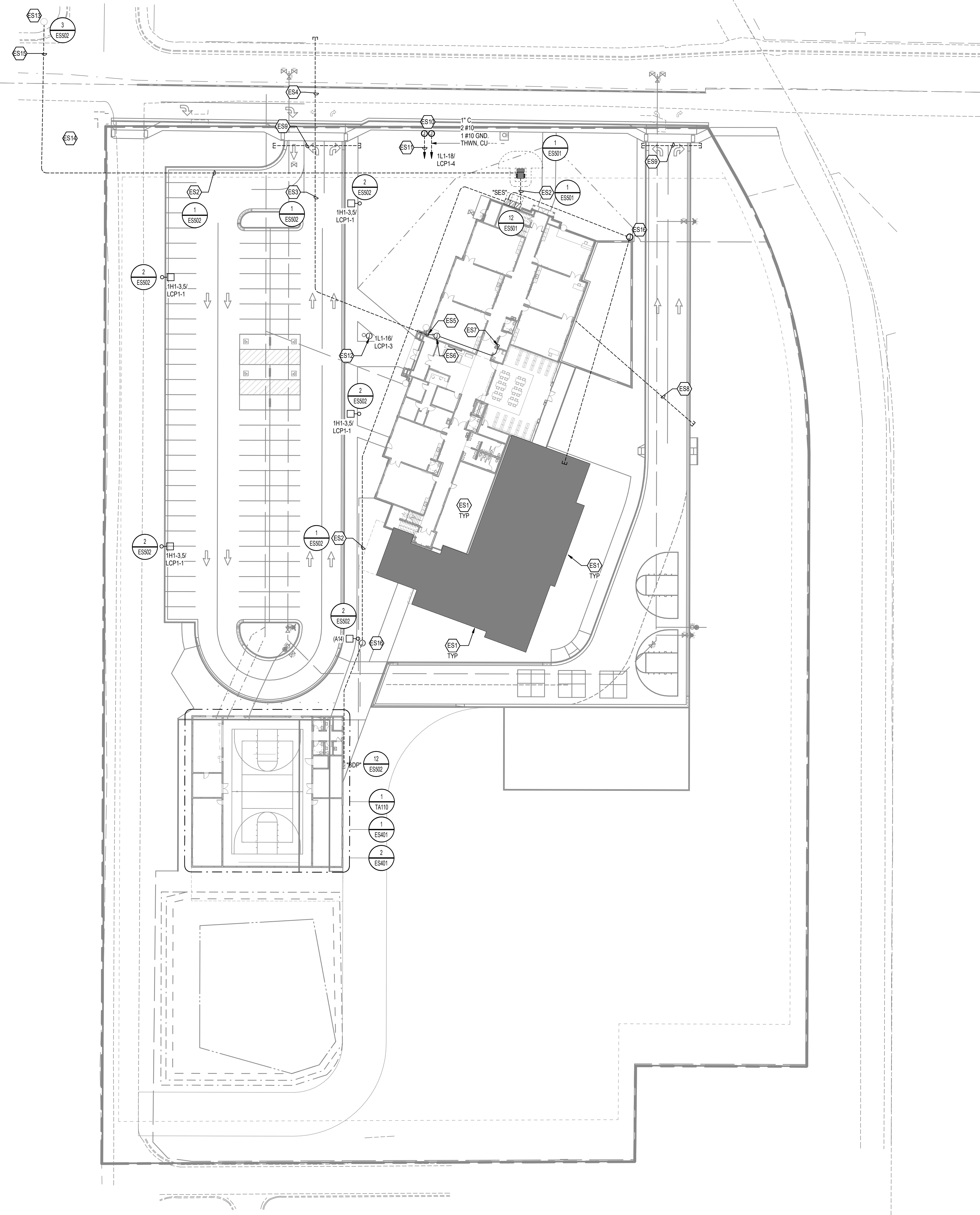
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SYMBOLS LEGEND



1 ELECTRICAL SITE PLAN
1" = 30' @

GENERAL SHEET NOTES

1. THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT.
2. FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.
3. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
4. CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS.
5. CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH CIVIL DRAWINGS.
6. THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.
7. ALL UNDERGROUND CONDUIT BENDS SHALL BE LONG SWEEP FACTORY ELBOWS.
8. CONTRACTOR SHALL POT-HOLE AND VACUUM EXCAVATE ALL AREAS WHERE CROSSING UTILITIES PRIOR TO WORK.
9. ALL ELECTRICAL GEAR AND EQUIPMENT (GENERATOR, TRANSFORMERS, SWITCHBOARDS, PANELBOARDS, DISCONNECTS, ENCLOSURES, ETC.) LOCATED OUTDOORS OR EXPOSED TO WEATHER SHALL BE NEMA 3R AND INTENDED DESIGNED FOR INSTALLATIONS EXPOSED TO WEATHER.
10. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
11. PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.
12. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. (SEE NEC 110.24(B)).
13. CONTRACTOR SHALL ADJUST DEPTH OF RACEWAYS DEEPER AS NECESSARY TO AVOID CONFLICTS WITH OTHER UTILITIES AND MAINTAIN A SEPARATION OF NO LESS THAN 12 INCHES FROM ALL OTHER UTILITIES AND CROSSINGS.
14. CONTRACTOR SHALL SLEEVE FOUNDATION WALLS FOR ALL CONDUIT PENETRATIONS THROUGH WALL.
15. COORDINATE WITH PLUMBING INSTALLER ON EXACT LOCATIONS, DEPTHS AND SLOPES OF PLUMBING PIPE PRIOR TO ROUGH-IN/TRENCHING.
16. COORDINATE LOCATIONS, SIZES, DEPTHS, ETC. OF ALL STRUCTURAL FOUNDATIONS, FOOTINGS, WALLS, ETC. AND CONDUIT BLOCK OUTS WITH STRUCTURAL INSTALLER PRIOR TO ROUGH-IN/TRENCHING.

SHEET KEYNOTES

- ES1 FUTURE BUILDING ADDITION. DO NOT RUN ANY CONDUIT THROUGH THIS SPACE.
- ES2 SEE ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS.
- ES3 EXTEND A 4" CONDUIT WITH PULL ROPE TO COMMUNICATIONS UTILITY DEMARK LOCATION. PROVIDE INNERDUCT AS REQUIRED BY THE COMMUNICATIONS UTILITY. CONFIRM EXACT LOCATION WITH THE COMMUNICATIONS UTILITY PRIOR TO ANY ROUGH-IN.
- ES4 PROVIDE BORING BELOW EXISTING DITCH AND ACROSS THE ROAD TO THE COMMUNICATIONS DEMARK. CONTRACTOR SHALL CONFIRM LOCATIONS OF ALL UTILITIES, STORM DRAINS, BRANCH CIRCUITS, ETC. PRIOR TO BORING. ANY DAMAGE DONE TO EXISTING BELOW GRADE INFRASTRUCTURE SHALL BE REPLACED TO ORIGINAL CONDITIONS.
- ES5 EXTEND THE 4" CONDUIT UP INTO THE ACCESSIBLE CEILING SPACE.
- ES6 PROVIDE PULL BOX IN THE ACCESSIBLE CEILING SPACE FOR COMMUNICATIONS UTILITY USE. SIZE PULL BOX PER ALL NEC REQUIREMENTS AND COMMUNICATIONS UTILITY REQUIREMENTS.
- ES7 EXTEND THE 4" COMMUNICATIONS CONDUIT UP TO THE DATA ROOM ABOVE.
- ES8 EXTEND A 3" CONDUIT WITH PULL ROPE FROM PANEL LOP TO LOCATION SHOWN FOR FUTURE GREENHOUSE POWER. CONFIRM EXACT STUB LOCATION IN THE FIELD WITH THE ARCHITECT PRIOR TO ROUGH-IN. SEE ONE-LINE DIAGRAM.
- ES9 TWO (2) 4" CONDUIT SLEEVES FOR OWNER USE. BURY 24" FINISHED GRADE MINIMUM.
- ES10 MONUMENT SIGN LOCATION. CONFIRM EXACT LOCATION IN THE FIELD WITH THE ARCHITECT.
- ES11 EXTEND A 1" CONDUIT WITH A 3-STRAND SINGLE MODE FIBER OPTIC CABLE FROM DATA 226 DATA RACK TO THE SIGN FOR DATA CONNECTIONS. PROVIDE ALL REQUIRED FIBER TO COPPER MEDIA CONVERTERS AT THE SIGN AND DATA RACK. COORDINATE ALL CONNECTION REQUIREMENTS AT THE SIGN WITH THE SIGN INSTALLER AND IN THE MDP WITH THE OWNER.
- ES12 POWER FOR INTEGRAL FLAGPOLE LIGHT FIXTURE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- ES13 EXISTING ROCKY MOUNTAIN POWER POLE. COORDINATE ALL WORK AND REQUIREMENTS AT THE POLE WITH ROCKY MOUNTAIN POWER PRIOR TO ANY ROUGH-IN.
- ES14 COORDINATE CONDUIT INSTALLATION AND EASEMENT REQUIREMENTS WITH LANDOWNER PRIOR TO ANY CONDUIT INSTALLATION.
- ES15 PROVIDE BORING BELOW EXISTING DITCH AND ACROSS THE ROAD TO THE ROCKY MOUNTAIN POWER POLE. CONTRACTOR SHALL CONFIRM LOCATIONS OF ALL UTILITIES, STORM DRAINS, BRANCH CIRCUITS, ETC. PRIOR TO BORING. ANY DAMAGE DONE TO EXISTING BELOW GRADE INFRASTRUCTURE SHALL BE REPLACED TO ORIGINAL CONDITIONS.
- ES16 PROVIDE IN-GRADE PULL BOX SIZED PER ALL NEC REQUIREMENTS. SEE ONE-LINE DIAGRAM FOR CONDUIT REQUIREMENTS.



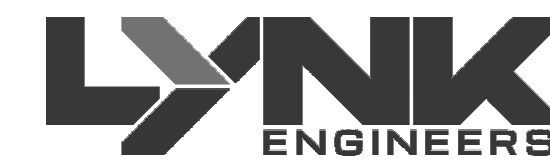
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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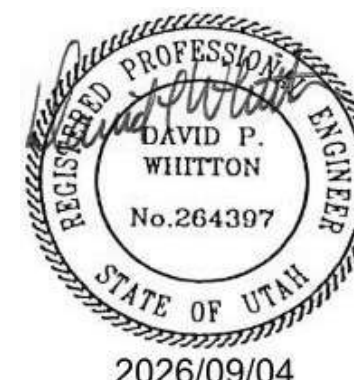
Num.	Description	Date
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Project Number	26526
Original Issue	09/04/2026
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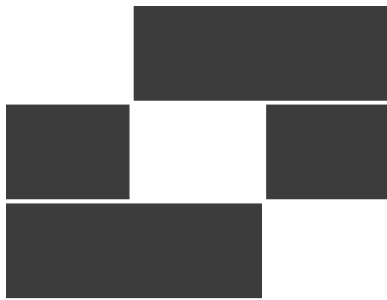


Sheet Title

**ELECTRICAL SITE
PLAN**

Sheet Number

ES111



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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COMMUNITY SCHOOL

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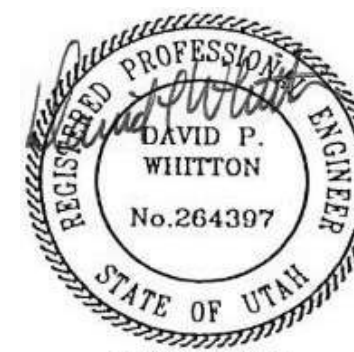
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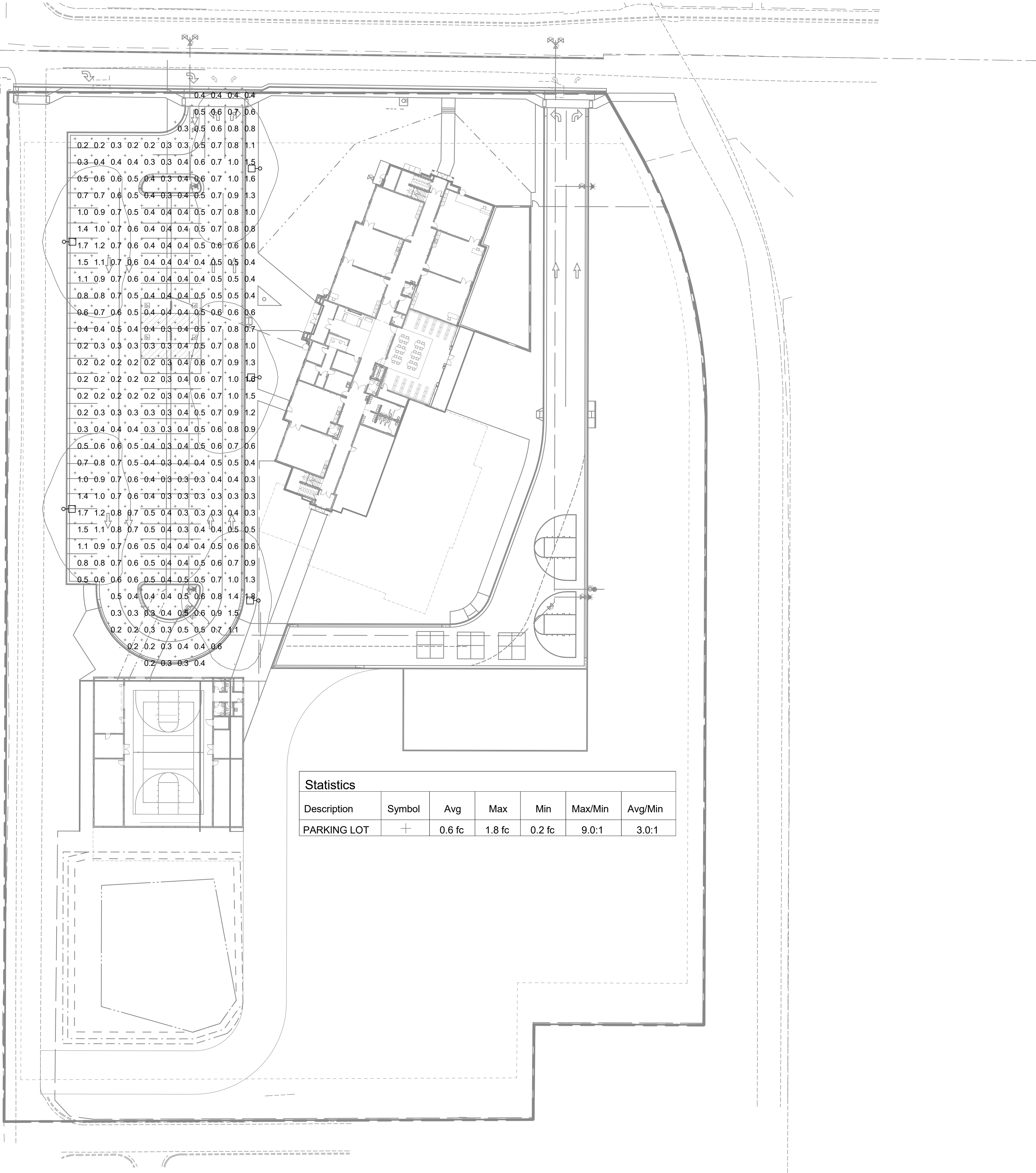
2026/09/04

Sheet Title

ELECTRICAL SITE
ILLUMINATION PLAN

Sheet Number

ES112



1 ELECTRICAL SITE ILLUMINATION PLAN



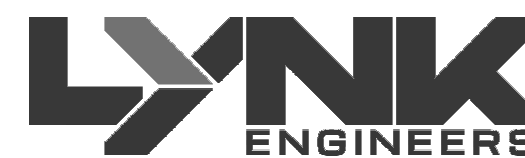
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

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SCHOOL CAMPUS

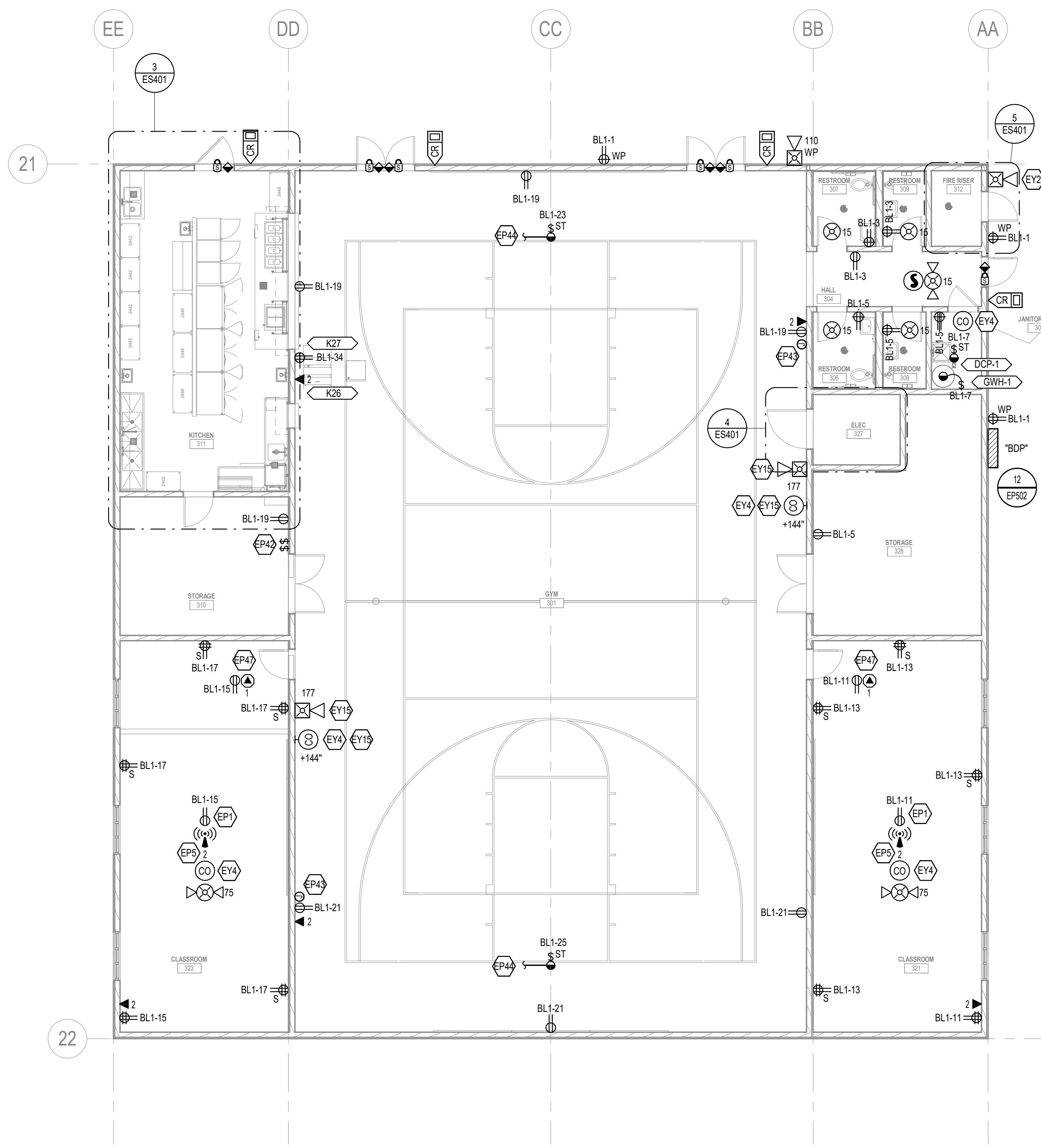
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GENERAL SHEET NOTES

- ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS. CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
- SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
- ACCESS CONTROL CABLING TO BE PLENUM RATED.
- SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
- SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
- PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
- SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.
- COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS. ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.
- CAMERAS SHOWN IN MAGENTA ARE DUPLICATES OF FLOORPLAN CAMERAS AND ARE TO BE USED FOR SITE COVERAGE PURPOSES ONLY.
- ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. IN SPACES WITH OPEN CEILINGS PRIOR TO ROUGH-IN.
- DIGITAL LIGHTING CONTROL DIMMING/ROOM CONTROLLERS SHALL BE LOCATED ON THE WALL ABOVE THE DOOR FOR THE SPACE THEY SERVE WHERE POSSIBLE AND NEAR THE DOOR WHERE THIS IS NOT POSSIBLE. FOR LARGE COMMON SPACES OR EXTERIOR LIGHTING, THEY SHALL BE CENTRALLY LOCATED WITH THE ELECTRICAL ROOM.
- REFER TO STAIR LIGHTING SECTION SHEETS FOR ADDITIONAL INFORMATION AND QUANTITIES OF STAIRWELL FIXTURES.
- REFER TO LIGHTING/SPACE CONTROL TYPE SCHEDULES FOR WIRING DIAGRAMS OF EACH SPACE.
- COORDINATE FIRE RATED CONSTRUCTION AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS AND DETAILS.
- CIRCUIT ALL EXIT SIGNS TO UNSWITCHED LEG OF INDICATED CIRCUIT.
- SEE ARCHITECTURAL ELEVATIONS FOR INSTALLATION LOCATIONS FOR ALL LIGHT SWITCHES.
- CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.
- PROVIDE UNSWITCHED EMERGENCY HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING.
- ALL EXPOSED CONDUIT IN EXPOSED CEILING SHALL BE PAINTED TO MATCH. COLOR BY ARCHITECT.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE.
- LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT. WITH CLEARANCES PER NEC.
- CONTRACTOR IS RESPONSIBLE FOR ARRANGING ELECTRICAL ROOMS AND SHALL PROVIDE DIMENSIONED SCALED DRAWINGS OF EACH ELECTRICAL ROOM DETAILING EXACT SIZE. REQUIRED CLEARANCES AND FINAL LOCATION OF ALL DISTRIBUTION PANELS, BRANCH PANELS, TRANSFORMERS, AUTOMATIC TRANSFER SWITCHES AND OTHER SIMILAR EQUIPMENT BASED ON FINAL APPROVED GEAR SUBMITTALS PRIOR TO ROUGH-IN OF EQUIPMENT.
- REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES IN KITCHENS, BREAK ROOMS AND SIMILAR AREAS PRIOR TO ROUGH-IN.
- VERIFY ALL ELECTRICAL REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATIONS OF FLOOR BOXES AND POKETHROUGH DEVICES WITH STRUCTURAL SHOP DRAWINGS AND ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT, LAB EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC. PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.
- ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2021 NEC), IRC, FPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
- ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS SHOWN FOR ALL RACEWAYS NOT ABOVE COUNTER SHALL BE +48" AFF FROM TOP OF RACEWAY. FOR ALL OTHER RACEWAYS ABOVE A COUNTER, MOUNT TIGHT TO COUNTER BACKSPASHES FROM BOTTOM. COORDINATE EXACT MOUNTING HEIGHT WITH FURNITURE DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.
- POWER AND DATA BACKBOXES SHALL BE STAGGERED BETWEEN STUDS FOR ACOUSTICAL PERFORMANCE.
- TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROL CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.
- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER OR ARCHITECT.

SHEET KEYNOTES

- DAYLIGHT SENSOR. SENSOR TO DIM LIGHTS IN THE DAYLIGHT ZONE BASED ON AMBIENT LIGHTING LEVELS.
- LIGHTS ON THE WINDOW-SIDE OF THIS LINE ARE PART OF THE DAYLIGHT ZONE.
- PROVIDE WIRE GUARD.
- PROVIDE SENSOR FOR HIGH CEILING APPLICATIONS, GREATER THAN 20'. ASSUME 28" HIGH CEILING. MOUNT SENSOR WHERE IT HAS A CLEAR UNOBSTRUCTED VIEW OF THE ROOM.
- POWER FOR CEILING MOUNTED PROJECTOR. MOUNT RECEPTACLE IN THE CEILING TILE. SEE TA SHEETS FOR LOCATIONS. CONFIRM EXACT MOUNTING LOCATION IN THE FIELD WITH THE AV SYSTEM INSTALLER.
- WIRELESS ACCESS POINT MOUNTED ON T-BAR CEILING. PROVIDE COMMSCOPE RUCKUS SONEFLEX #600 (OR PRIOR APPROVED EQUIVALENT). PROVIDE ALL REQUIRED POE SWITCHES, PROGRAMMING, 1 YEAR SUPPORT AND ALL SETUP INCLUDING SECURITY AND POLICY. FOR A TURNKEY SYSTEM PROVIDE OWNER TRAINING ON SETUP AND CONTROL OF THE DEVICES. INSTALL ALL REQUIRED SOFTWARE ON COMPUTER AS DIRECTED BY THE OWNER. AS PART OF THE SUBMITTAL THE CONTRACTOR TO PROVIDE HEAT MAPPING TO VERIFY WAPV LAYOUT AND COVERAGE.
- DOOR CONTROLS ARE FURNISHED BY THE DOOR SUPPLIER AND INSTALLED AND CONNECTED BY THE CONTRACTOR.
- CONTROLS FOR BASKETBALL BACKBOARDS ARE FURNISHED WITH THE BACKBOARD SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. CONFIRM MOUNTING LOCATION WITH THE OWNER AND EQUIPMENT IN THE ROOM PRIOR TO ANY ROUGH-IN. PROVIDE LABEL ON CONTROL COVER INDICATING THE CONTROLLED BACKBOARD. CONFIRM LABELING WITH THE OWNER.
- PROVIDE A 4" SQUARE, 2-1/8" DEEP JUNCTION BOX FOR FUTURE THEATRICAL LIGHTING CONTROL. CONSOLE CONNECTIONS. EXTEND A 1" CONDUIT WITH FULL STRING FROM THE JUNCTION BOX TO THE CEILING SPACE OF STORAGE 328.
- TO BACKBOARD CONTROLS IN STORAGE 310.
- TO OVERHEAD DOOR CONTROLLER.
- IF KITCHEN IS NOT INCLUDED IN PART OF THIS CONSTRUCTION, CONTRACTOR TO PROVIDE ALL REQUIRED CONDUIT AND BOX ROUGH-IN FOR CENTER WALL FOR FUTURE CONNECTIONS. COORDINATE KITCHEN SCOPE OF WORK WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
- POWER AND DATA FOR AV EQUIPMENT. MOUNT IN CEILING ENCLOSURE. COORDINATE LOCATION AND INSTALLATION WITH THE AV SYSTEM INTEGRATOR PRIOR TO ANY ROUGH-IN.
- FIRE SPRINKLER HORNSTROBE BY FIRE SPRINKLER INSTALLER. PROVIDE POWER AND CONNECTIONS TO HORNSTROBE. ROUTE BRANCH CIRCUIT THROUGH NO CONTACTS ON THE WATERFLOW SWITCHES. COORDINATE ALL WORK WITH THE FIRE SPRINKLER INSTALLER.
- COORDINATE LOCATION AND QUANTITY OF SPRINKLER RISERS WITH SPRINKLER CONTRACTOR. PROVIDE MONITOR MODULES AS REQUIRED FOR A COMPLETE INSTALLATION.
- ACTIVATION OF CARBON MONOXIDE DETECTION SYSTEM SHALL SHUTDOWN AIR HANDLING SYSTEMS, ROOFTOP UNITS AND/OR GAS FRED EQUIPMENT UPON ACTIVATION OF DETECTOR. PROVIDE ALL REQUIRED CONTROLS AND PROGRAMMING AS NECESSARY, WHETHER SHOWN OR NOT.



THREE-PHASE TRANSFORMER PADVAULT (ROCKY MOUNTAIN POWER STANDARD)

SCALE: NTS

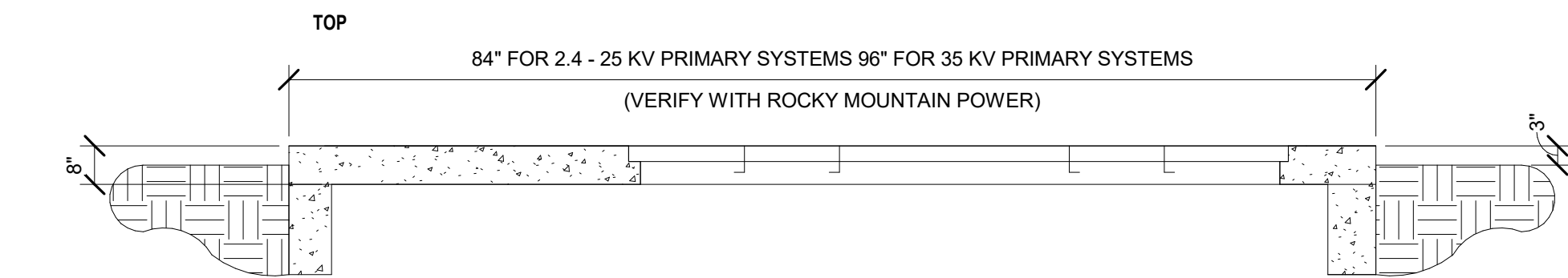


FIGURE 2 - PADVAULT PAD WITH ACCESS 84" OR 96" WIDE

2.4 - 25KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS, STOCK ITEM 79929500-STOCK ITEM 1790023

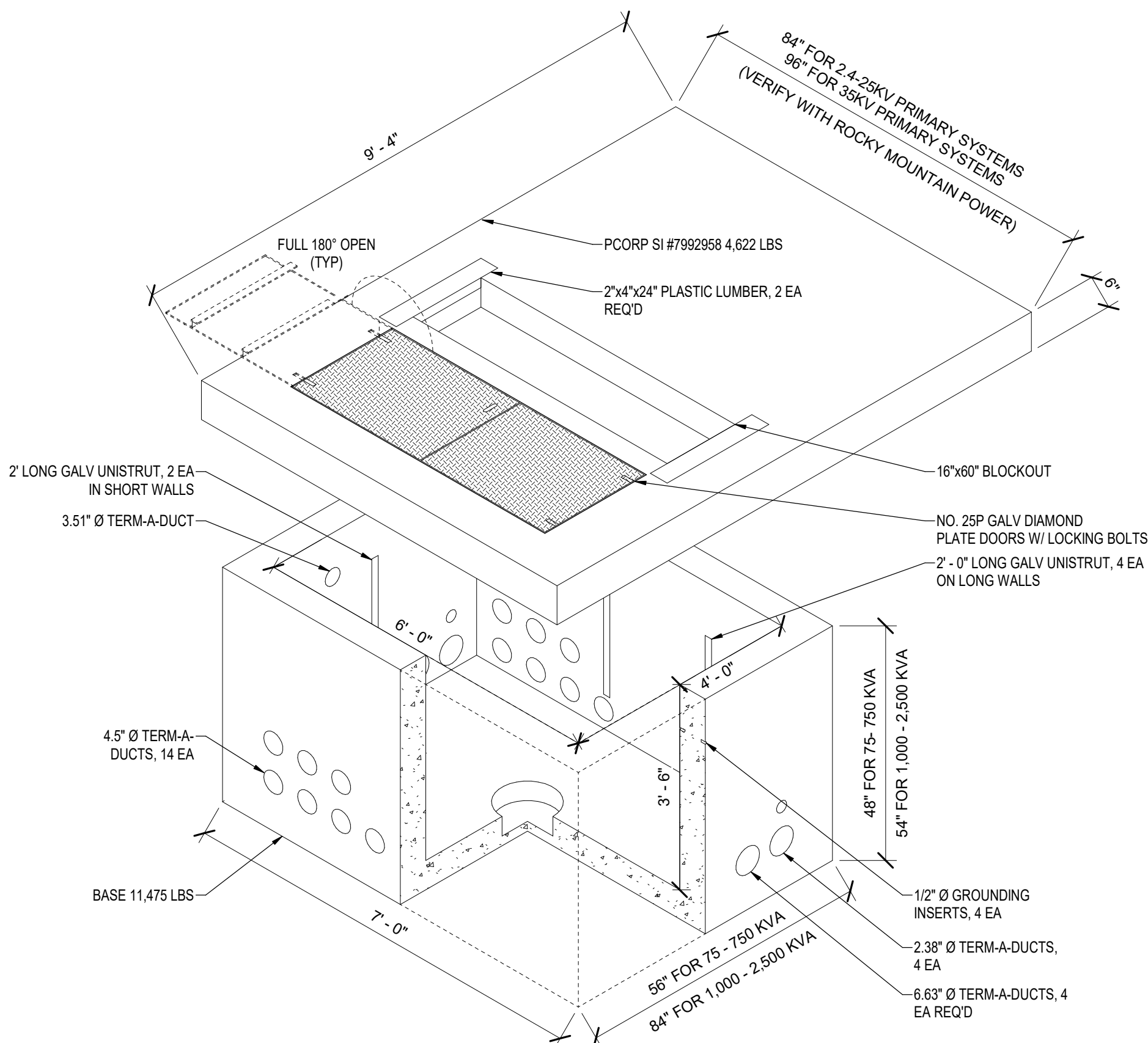


FIGURE 3 - ACCESS DOOR DETAIL

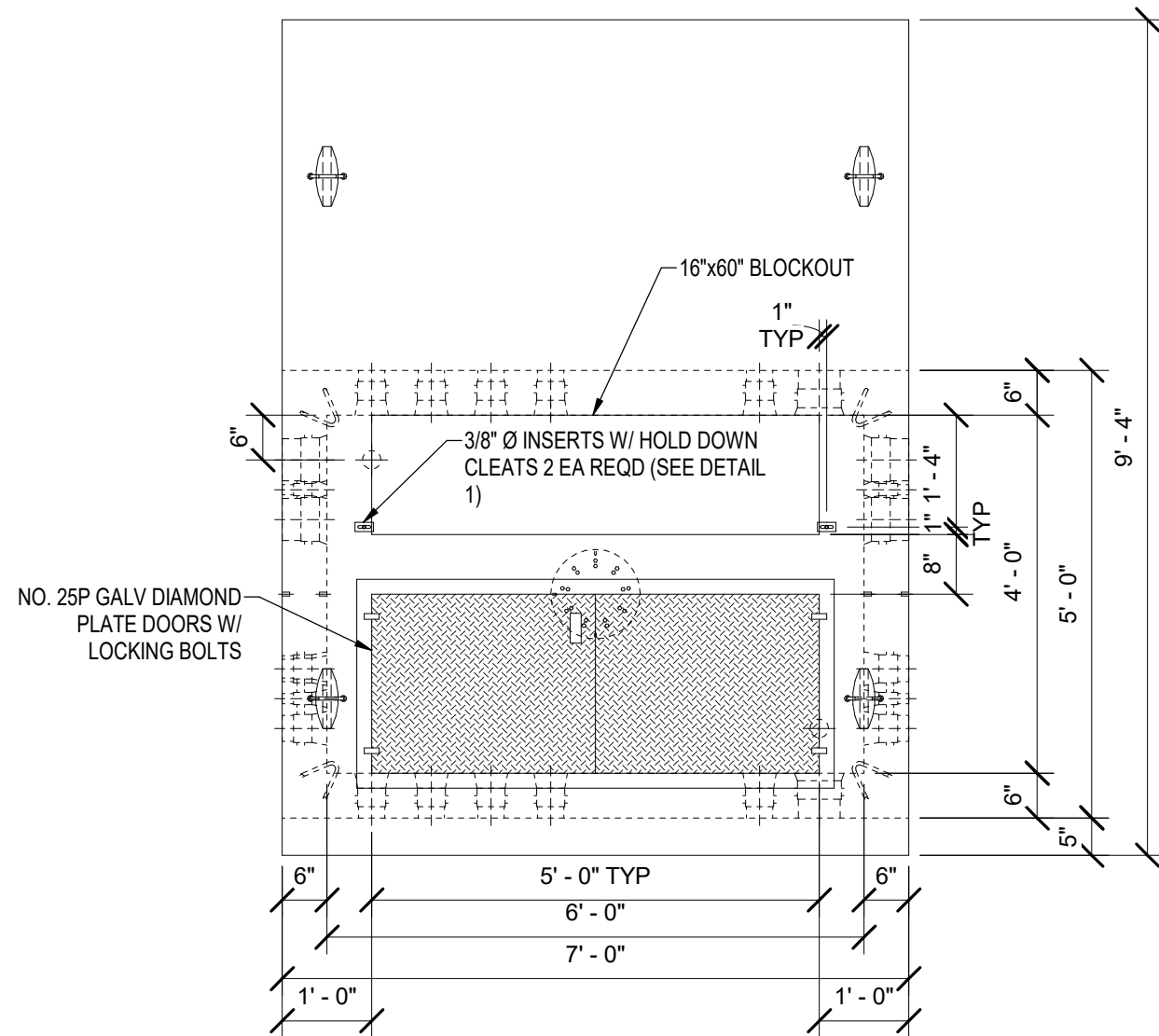


FIGURE 4 - VAULT DETAIL

2.4-25KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #79929500 - SI #1790023

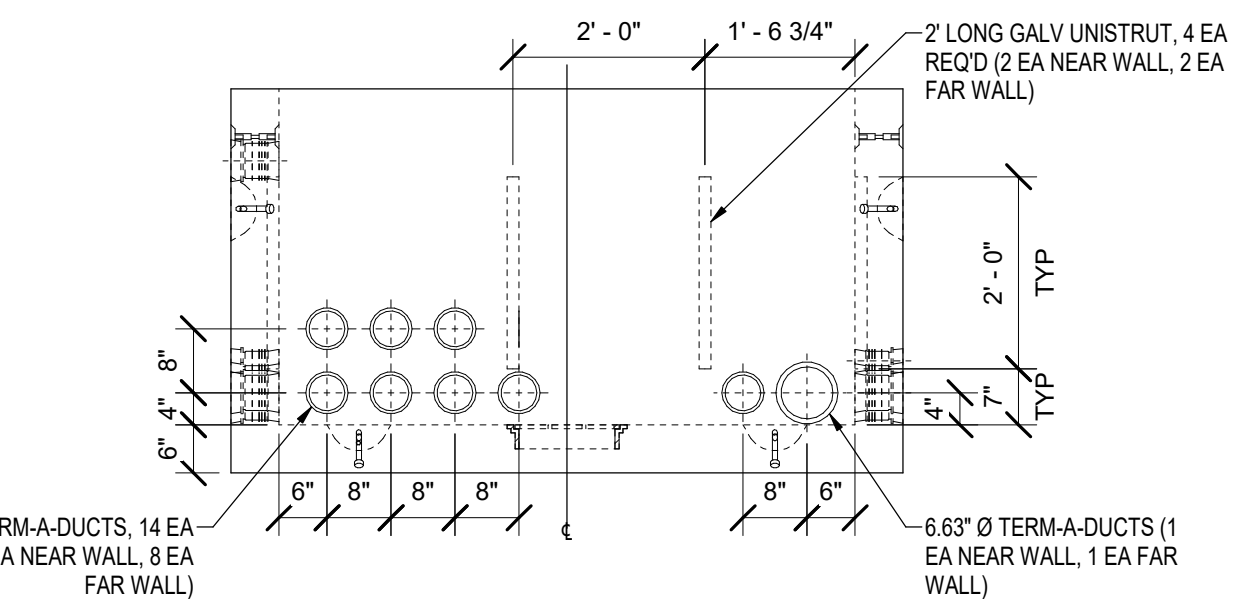


FIGURE 5 - END VIEW DETAIL

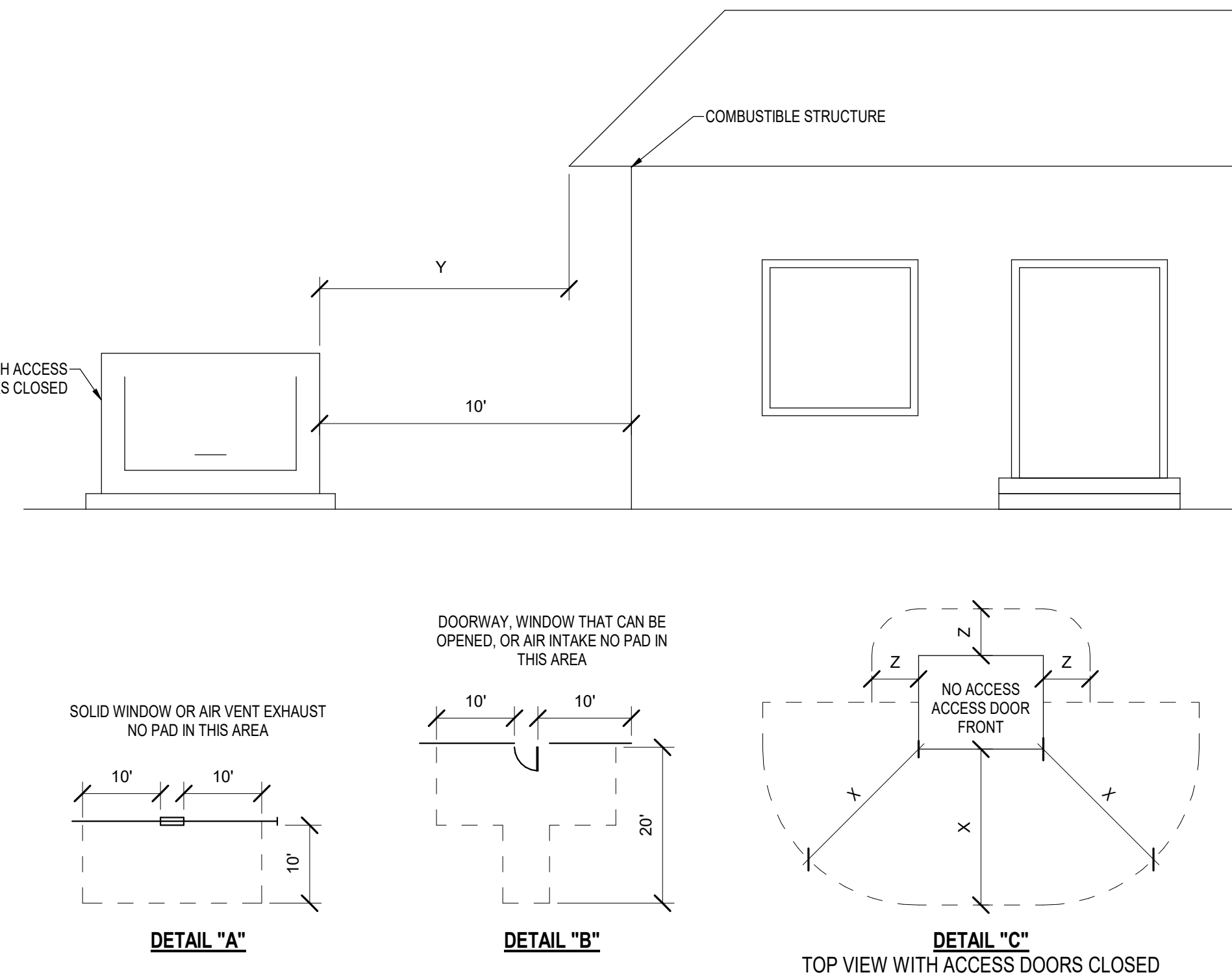


FIGURE 6 - MINIMUM DISTANCE REQUIRED FROM PAD

X = 10 FT. CLEAR AREA IN FRONT OF, ANY EQUIPMENT ACCESS DOOR OR OPENING TO ALLOW THE USE OF HOT STICKS. (SEE DIMENSIONS IN DETAIL "C"). LOCATE PADMOUNTED EQUIPMENT WITH ACCESS DOORS AWAY FROM BUILDING WALLS OR OTHER BARRIERS TO ALLOW SAFE WORKING PRACTICES. IF THE EQUIPMENT ACCESS SIDE MUST FACE A WALL, ALLOW 10 FEET FOR WORKING CLEARANCE. NO VEGETATION OR TRIP HAZARDS IN THIS WORK SPACE ARE PERMITTED.)

Y = 8 FT FROM ANY STRUCTURE OR ROOF OVERHANG CONSISTING OF COMBUSTIBLE MATERIAL. 3 FT TO NON-COMBUSTIBLE STRUCTURES HAVING NO OPENINGS CLOSER THAN 10 FT.

Z = 3 FT CLEAR AREA ON NON-ACCESS SIDES OF THE EQUIPMENT TO ALLOW WORK SPACE. (SEE DIMENSIONS IN DETAILS "C"), 6" FROM ANY METALLIC OBJECT INCLUDING THE METERING EQUIPMENT, AND 8" FROM ANY COMBUSTIBLE SURFACE.

FIGURE 7 - CLEARANCE GENERAL NOTES

- CLEARANCES: THE FRONT OF THE PAD SHOULD ALWAYS FACE AWAY FROM ADJACENT STRUCTURES AND BE FREE OF OBSTRUCTIONS. AT LEAST 3 FEET MUST SEPARATE THE EDGES OF THE PAD FROM ANY ADJACENT STRUCTURE. THE EDGES OF THE PAD MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE STRUCTURE. IF AN ADJACENT STRUCTURE HAS ANY OVERHANG OR EAVE WITHIN 27 VERTICAL FEET OF THE TOP OF THE PAD, CLEARANCES MUST BE MEASURED FROM THE OUTSIDE OF THE OVERHANG. THE PAD MUST NOT BE PLACED IN AN AREA 10 FEET IN LINE WITH OR 10 FEET TO EITHER SIDE OF ANY WINDOW IN AN ADJACENT STRUCTURE (SEE DETAIL "A"). CLEARANCE FOR A DOOR MUST BE 20 FEET IN LINE WITH IT AND 10 FEET ON THE SIDES (SEE DETAIL "B"). PADS MUST NOT BE PLACED WITHIN 15 FEET OF ANY VALVE OR WITHIN 25 FEET OF ANY PLUMBING OR STORAGE FACILITY CONTAINING FLAMMABLE MATERIAL. NO WALLS, FENCES, OR ANY OTHER OBSTRUCTIONS WILL BE PLACED WITHIN 3 FEET OF THE SIDES OR BACK OF THE PAD, OR WITHIN 10 FEET OF THE FRONT OF THE PAD (SEE DETAIL "C"). THE AREA IN FRONT OF THE PAD MUST HAVE 10 FEET OF CLEAR LEVEL WORKING AREA FOR MAINTENANCE OF THE TRANSFORMER. THE PAD MAY NOT BE PLACED IN LINE WITH AN AIR INTAKE WITHIN 32 VERTICAL FEET OF THE SURFACE PAD. ALSO VERTICALLY IT MUST NOT BE PLACED WITHIN 12 FEET OF A DOOR OR WINDOW. VAULTS SHALL BE LOCATED WITHIN 15 FEET OF A GRAVELED OR PAVED SURFACE SUITABLE FOR INCIDENTAL HEAVY TRUCK ACCESS.
- BARRIERS: IF THE TRANSFORMER PAD IS TO BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC, (PARKING LOTS, DRIVEWAYS, ETC) CONTACT ROCKY MOUNTAIN POWER FOR PROTECTIVE BARRIER REQUIREMENTS.
- IF THE TRANSFORMER WILL NOT COVER THE CABLE OPENINGS ON THESE STANDARD PADS, SEAL THE SIDES OF THE CABLE OPENINGS TO FIT THE TRANSFORMER USING SACKRETE OR COMPARABLE.

2 TRANSFORMER CLEARANCE DETAIL

SCALE: NTS

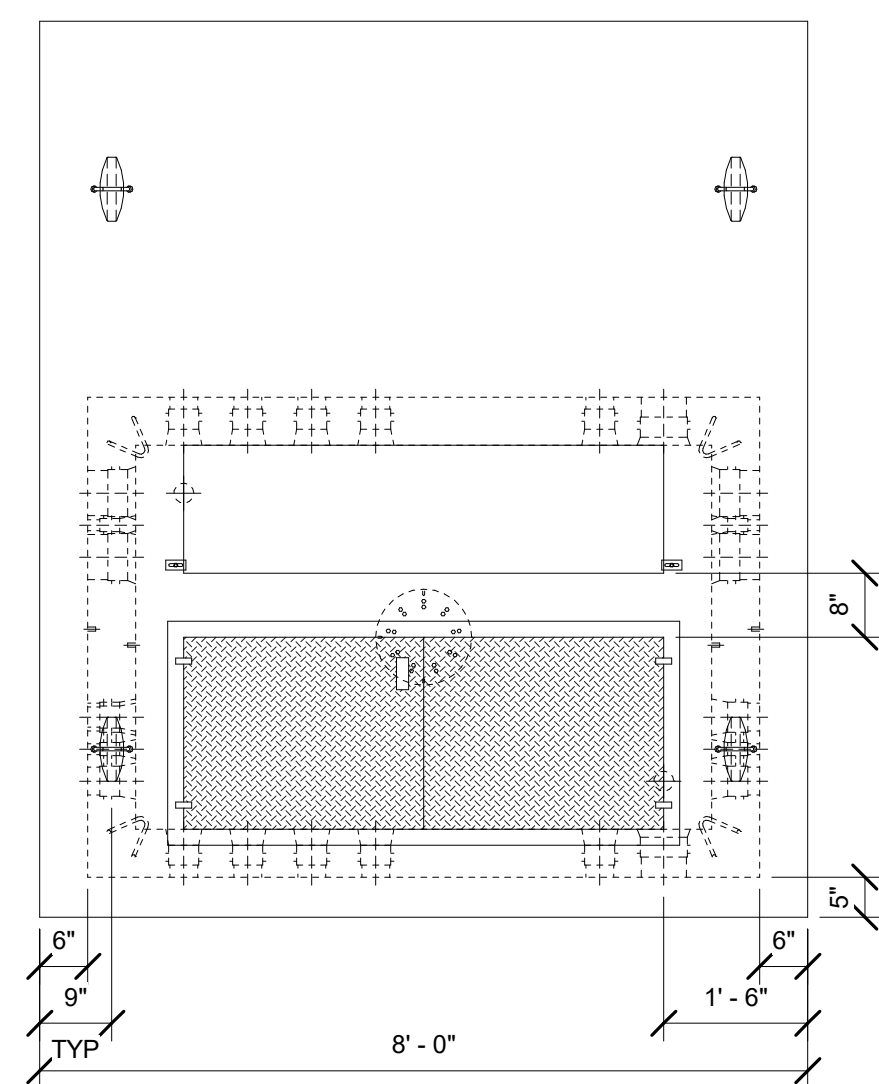


FIGURE 8 - PLAN VIEW

35 KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #79929500 - SI #1008977

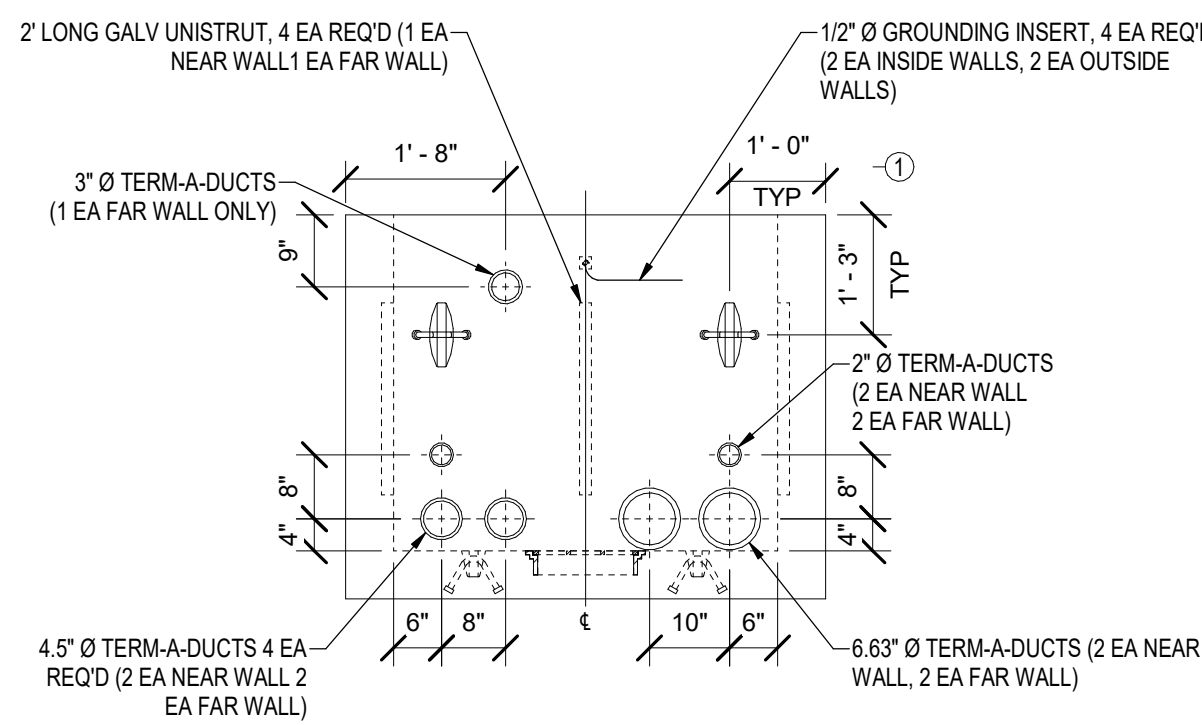


FIGURE 9 - END VIEW

*LIFTING DEVICE TYPE & LOCATION MAY CHANGE WITHOUT NOTICE.

GENERAL SHEET NOTES

- SCOPE
THIS MATERIAL SPECIFICATION OUTLINES THE MINIMUM REQUIREMENTS FOR PADVAULTS TO BE USED IN CONJUNCTION WITH PACIFICORP-OWNED THREE-PHASE TRANSFORMERS (SEE FIGURE 1). THE MATERIAL SPECIFICATION APPLIES WHETHER THE PADVAULT IS TO BE INSTALLED BY COMPANY PERSONNEL, CONTRACTOR, CUSTOMER, OR THE SUPPLIER.
- APPLICABLE DOCUMENTS
THE LATEST REVISIONS OF THE DOCUMENTS, STANDARDS, CODES, AND REQUIREMENTS LISTED IN 2.1, PACIFICORP, AND 2.2, CODES AND STANDARDS, IN EFFECT ON THE DATE OF INVITATION TO BID APPLY TO THE EXTENT SPECIFIED HEREIN.
2.1 PACIFICORP
ZG 301 GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS
ZG 311 CONCRETE REQUIREMENTS
2.2 CODES AND STANDARDS
WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES
APPLICABLE CODES
ANSI STANDARDS
IEEE STANDARDS
NEMA STANDARDS
- GENERAL
3.1 APPLICATION INFORMATION
THIS MATERIAL SPECIFICATION STATES MATERIAL AND CONSTRUCTION REQUIREMENTS THAT ARE APPLICABLE TO ALL THREE-PHASE TRANSFORMER PADVAULTS.
3.2 AUTHORIZED MATERIAL SPECIFICATION
THIS MATERIAL SPECIFICATION IS NOT CONSIDERED VALID UNTIL EACH PAGE CONTAINS THE APPROVAL SIGNATURE OR INITIALS OF THE PERSONS NAMED IN THE TITLE BLOCKS.
3.3 AUTHORIZED STOCK ITEM NUMBERS
MATERIALS BEING SUBMITTED FOR THE FOLLOWING PACIFICORP STOCK ITEM NUMBERS ARE SUBJECT TO EVALUATION IN ACCORDANCE WITH REQUIREMENTS IN THIS MATERIAL SPECIFICATION.
7992950, PADVAULT, TRANSFORMER, 3-PHASE, 75-750 KVA
7992958, PADVAULT, TRANSFORMER, 3-PHASE, 1000-2500 KVA
- PRODUCT AND INSTALLATION REQUIREMENTS
THE PURPOSE OF A THREE-PHASE TRANSFORMER PADVAULT IS TO SUPPORT A THREE-PHASE TRANSFORMER.
5.1 PADVAULT LAYOUT
THE THREE-PHASE TRANSFORMER PADVAULT IS COMPOSED OF TWO PIECES: (1) THE PAD, AND (2) THE ENCLOSURE. UNLESS OTHERWISE APPROVED BY PACIFICORP ENGINEERING, ALL DIMENSIONS AND PLACEMENT OF HARDWARE SHALL CONFORM TO THOSE SHOWN ON THIS SHEET. THE ENCLOSURE IS COMMON TO ALL PADVAULTS COVERED BY THIS MATERIAL SPECIFICATION. ZG 301, PADVAULT-THREE-PHASE SECTIONALIZING CABINET, AND ZG 301, PADVAULT-THREE-PHASE FUSING CABINET.
5.2 INSERTS
TWO .375" 16UNC STAINLESS STEEL OR NYLON THREADED INSERTS AND STAINLESS STEEL BOLTS WITH CLEATS FOR MOUNTING THE TRANSFORMER SHALL BE PLACED IN THE PAD AS SHOWN IN FIGURE 2.
5.3 PULLING ATTACHMENTS
CABLE PULLING ATTACHMENTS SHALL BE INSTALLED OPPOSITE OF EACH SET OF CONDUIT BREAKOUTS SUCH THAT BLOCKS MAY BE ATTACHED FOR A STRAIGHT CABLE PULL. PULLING ATTACHMENTS SHALL HAVE A MINIMUM PULLOUT STRENGTH OF 6000 POUNDS. ATTACHMENTS SHALL ALLOW THE ATTACHMENT OF A CLEW WITH A ONE-INCH DIAMETER THROUGH BOLT. PULLING ATTACHMENTS MAY BE DESIGNED BY THE MANUFACTURER TO MEET THESE REQUIREMENTS.
5.4 CONDUIT ENTRANCES
BANKS OF NINE (9) SIX-INCH SQUARE BREAKOUTS SHALL BE USED FOR CONDUIT ENTRANCES. TWO BANKS OF KNOCKOUTS SHALL BE PLACED IN EACH SIDE AND IN EACH END OF THE ENCLOSURE.
5.5 LIFTING ATTACHMENTS
ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE. ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.
5.6 INSTALLATION
THIS UNIT SHALL BE INSTALLED AT THE SITE BY THE SUPPLIER OR CONTRACTOR. ALL EARTH UNDER THE PADVAULT SHALL BE COMPACTED AND LEVEL PRIOR TO SETTING THE PADVAULT. PROVIDE 6" OF 3/4-INCH-MINUS GRAVEL BACKFILL BASE. THE JOINT BETWEEN THE PAD AND ENCLOSURE SHALL BE SEALED USING TAR OR MASTIC. THE TOP OF THE PAD SHOULD BE TWO TO FOUR INCHES ABOVE FINAL GRADE, WHEN INSTALLED.
- TESTING
6.1 TEST COMPLIANCE
PADVAULTS SUBMITTED UNDER THIS MATERIAL SPECIFICATION SHALL MEET ALL TESTS AND REQUIREMENTS CONTAINED IN ZG 301, GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS, ZG 311, CONCRETE REQUIREMENTS, AND THIS MATERIAL SPECIFICATION. PADVAULTS WILL ALSO COMPLY WITH REQUIREMENTS IN APPLICABLE NATIONAL STANDARDS.
6.2 SECURITY TEST
TRANSFORMER PADVAULTS MUST BE ABLE TO PASS THE FOLLOWING SECURITY TEST: THE SECURITY TEST IS DESIGNED TO ENSURE THAT PADMOUNT EQUIPMENT, WHICH COMPLIES WITH WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES, IS NOT COMPROMISED BY UNEVEN PAD SETTING.
WITH THE APPROPRIATE TRANSFORMER MOUNTED, ATTEMPT TO PASS A #14 AWG SOFT-DRAWN COPPER WIRE THROUGH THE INTERFACE BETWEEN THE CABINET AND PAD. IF THE WIRE CAN BE PASSED THROUGH, THE PADVAULT HAS FAILED THE TEST AND IS NOT ACCEPTABLE.
7. PROVIDE AMCOR TYPE GV151 PADVAULT OR AS APPROVED OR DIRECTED BY ROCKY MOUNTAIN POWER.
8. REQUIREMENTS ARE SUBJECT TO CHANGE. SUBMIT PADVAULT TO ROCKY MOUNTAIN POWER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION OF PADVAULT, AND INCLUDE ALL COSTS IN BID.



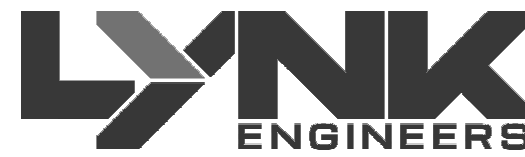
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

Revisions

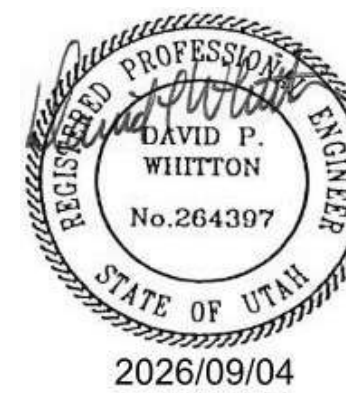
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Project Number 126526
Original Issue 09/04/2026
Project Status Permit & Bid Set

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Sheet Title

ELECTRICAL SITE
DETAILS

Sheet Number

ES501



Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

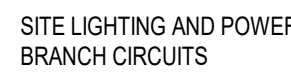
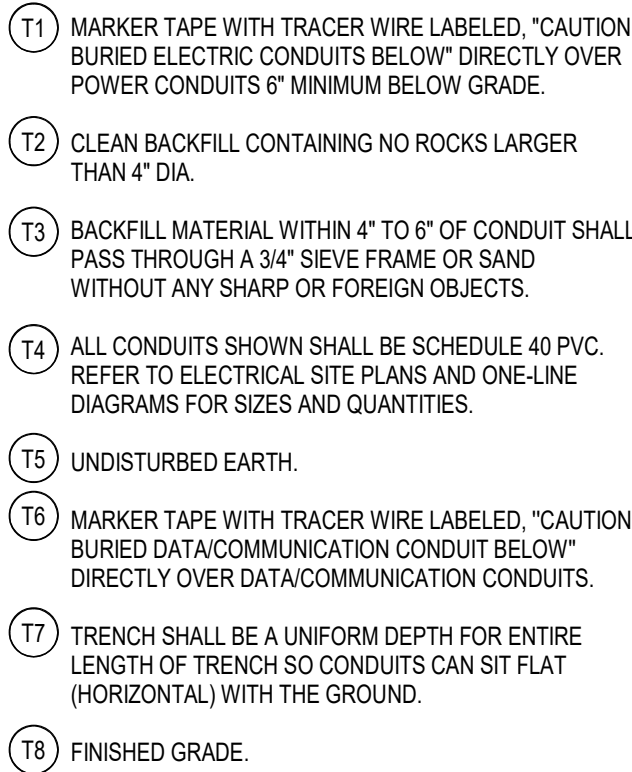
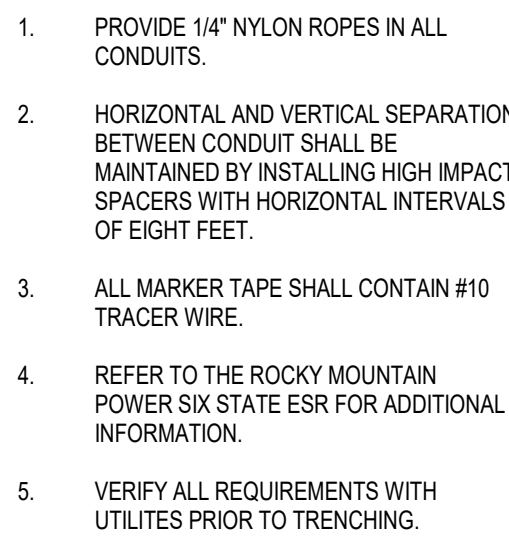
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Consultant



NEW CHARTER SCHOOL CAMPUS

MAPLETON, UT

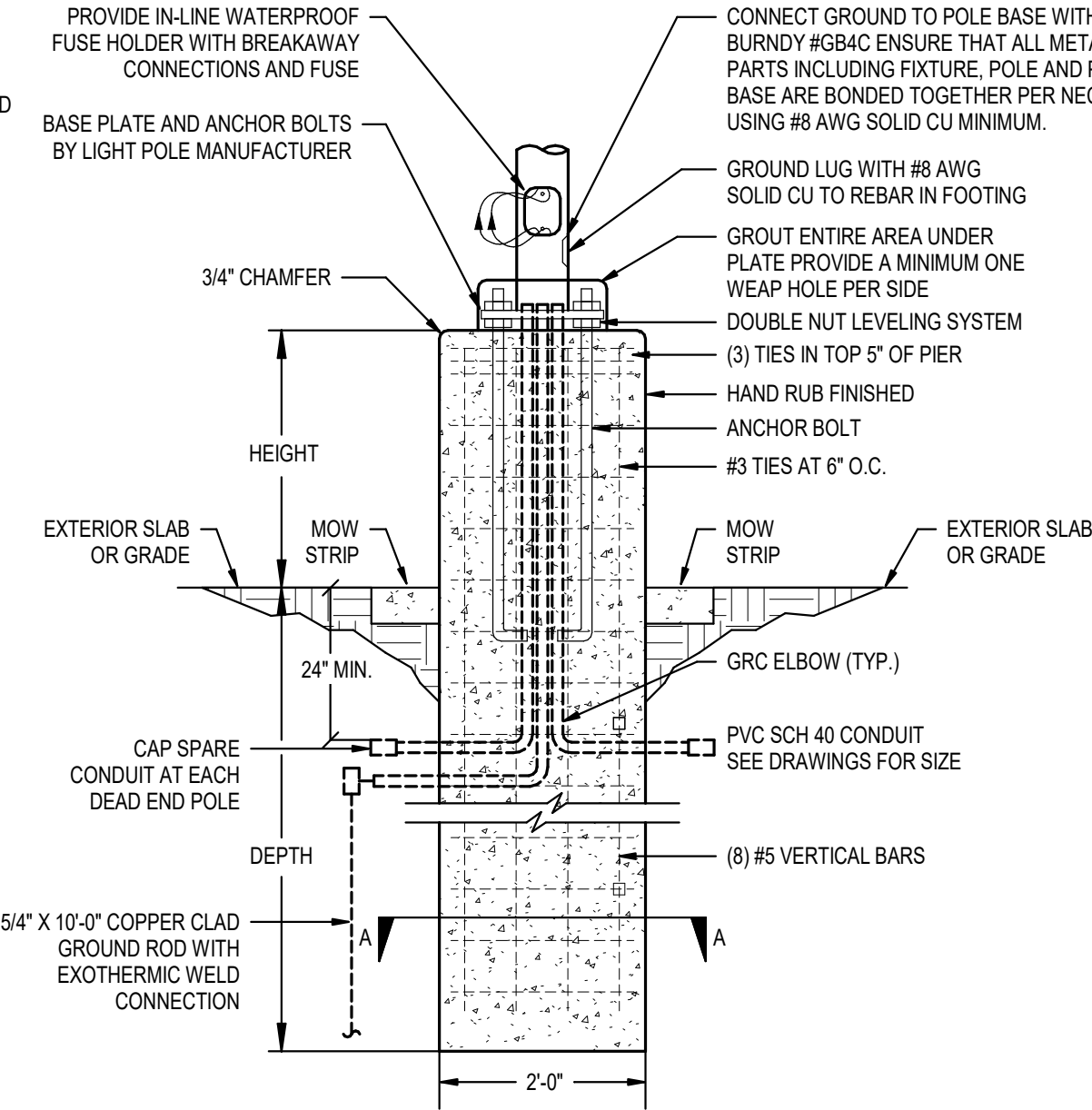


SCALE: NTS

NOTE: DESIGN SHOWN FOR CONCRETE POLE BASE IS SHOWN FOR INFORMATIONAL PURPOSES ONLY TO CONVEY THE NECESSARY REQUIREMENTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A POLE BASE DESIGN AND ASSOCIATED STRUCTURAL CALCULATIONS AND SUBMIT THEM AS A DEFERRED SUBMITTAL FOR REVIEW. THE DESIGN SHALL BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH, AND SHALL BE BASED UPON THE ACTUAL POLES, FIXTURES, SOIL CONDITIONS, WIND SPEED, ETC.



DESIGN CRITERIA:
IBC
S_s = 2.0, SOIL SITE CLASS D
LATERAL SOIL BRG = 100 PS/FT
ASSUMED 4.0 FT² AT TOP POLE



SCALE: NTS

1. THE CONTRACTOR SHALL PROVIDE 1ST STANDOFF, LONG SWEEP FIBERGLASS ELBOW, AND CONDUIT AS REQUIRED BY ROCKY MOUNTAIN POWER FOR A COMPLETE INSTALLATION. ROCKY MOUNTAIN POWER WILL INSTALL STANDOFFS AND CONDUIT ONTO POLE. COORDINATE ALL REQUIREMENTS WITH ROCKY MOUNTAIN POWER PRIOR TO ROUGH-IN



Revisions

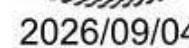
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Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Se

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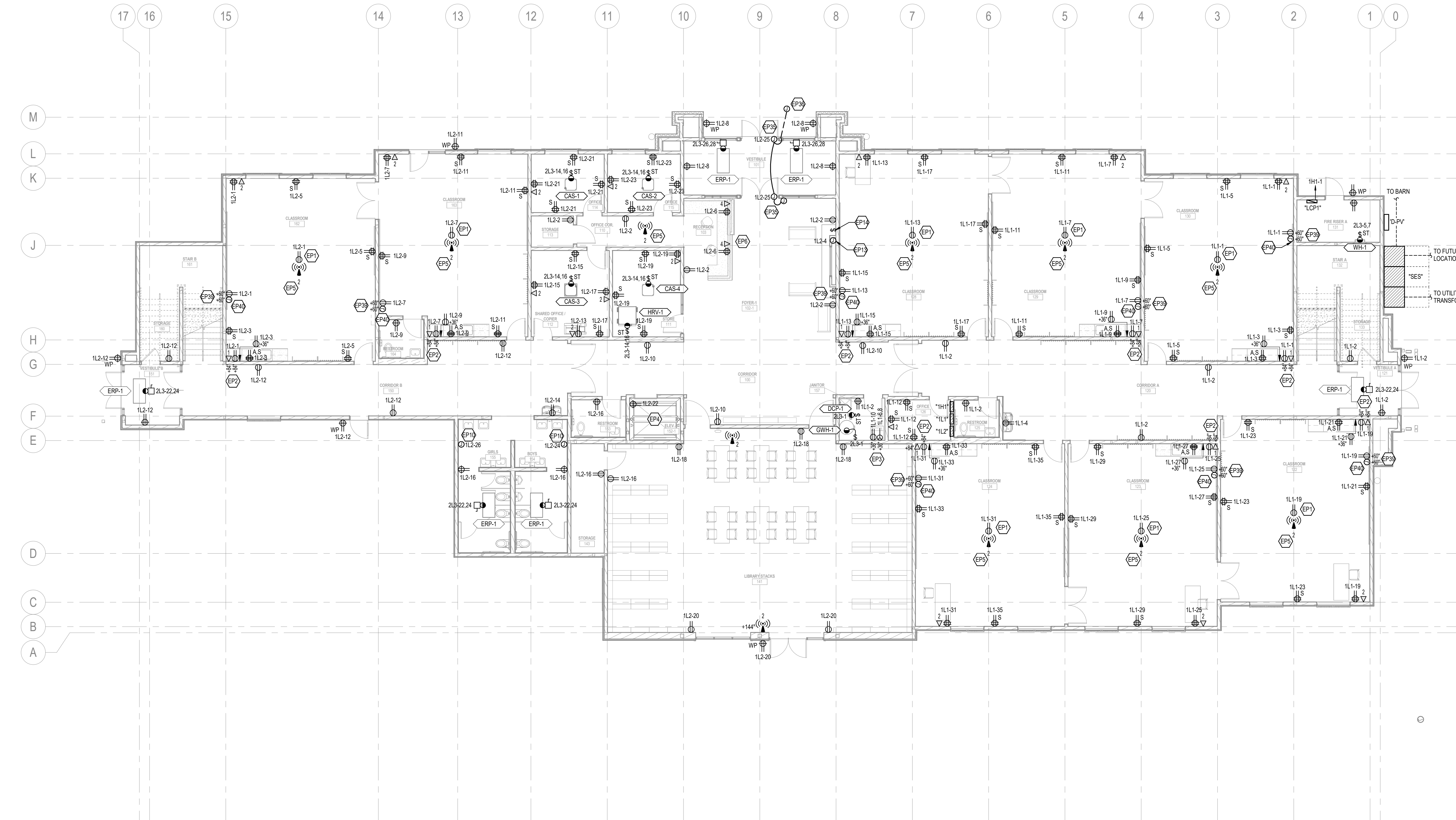


Sheet Title

ELECTRICAL SITE DETAILS

Sheet Number

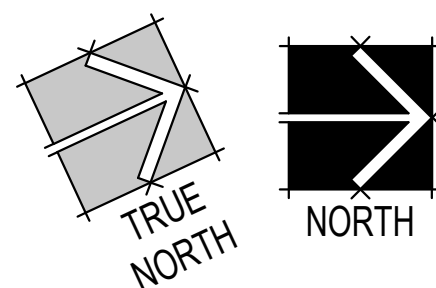
ES502



NOTES:

- SEE DETAIL S SHEP02 FOR SWITCH RECEPTACLE COLOR REQUIREMENTS
- SWITCHED RECEPTACLES SHALL BE CONTROLLED BY THE LOCAL OCCUPANCY SENSOR(S) IN THE ROOM. COORDINATE ALL CONNECTIONS AND REQUIREMENTS WITH THE LIGHTING CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN OR WIRING INSTALLATION. SEE DETAIL S 616L03.

1 LEVEL 1 POWER PLAN
10' = 1" = 0'



- WIFI ACCESS POINT LOCATION (WP)
- DATA LOCATION (D)
- QTY. OF CAT. 6A CABLES PROVIDE 20' LOOP ABOVE CEILING
- QTY. OF CAT. 6A CABLES
- DATA ELEVATION WITH DROP QTY. (TYP)

DATA/COMMUNICATIONS SYMBOLS LEGEND:

- A1-40 DESIGNATION OF CIRCUIT. WIRE COMPLETE. HOSPITAL GRADE RECEPTACLE. SEE SPECIFICATIONS.
- A1-40 GFCI RECEPTACLE
- A1-40 DESIGNATION OF CIRCUIT. WIRE COMPLETE.
- L6-30 PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.
- LOCATIONS WITH 4 OR LESS CABLES PROVIDE 4-11/16" SQUARE, 2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 1" CONDUIT MINIMUM TO THE ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.
- LOCATIONS WITH 5 OR MORE CABLES PROVIDE 4-11/16" SQUARE, 3-1/4" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 1-1/4" CONDUIT MINIMUM TO THE ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.
- RECEPTACLE ELEVATION (TYP)

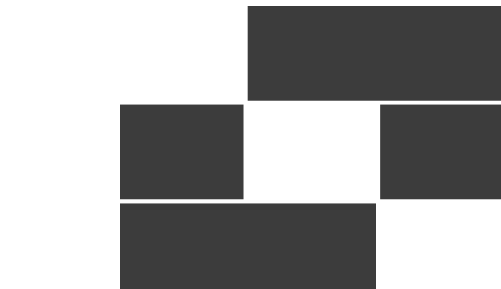
TYPICAL RECEPTACLE CONVENTION

GENERAL SHEET NOTES

- LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT. WITH CLEARANCES PER NEC.
- CONTRACTOR IS RESPONSIBLE FOR ARRANGING ELECTRICAL ROOMS AND SHALL PROVIDE DIMENSIONED SCALED DRAWINGS OF EACH ELECTRICAL ROOM DETAILING EXACT SIZE, REQUIRED CLEARANCES AND FINAL LOCATION OF ALL DISTRIBUTION PANELS, BRANCH PANELS, TRANSFORMERS, AUTOMATIC TRANSFER SWITCHES AND OTHER SIMILAR EQUIPMENT BASED ON FINAL APPROVED GEAR SUBMITTALS PRIOR TO ROUGH-IN OF EQUIPMENT.
- ALL EXTERIOR RECEPTACLES SHOWN SHALL BE NEMA 5-20R GFCI "WEATHER RESISTANT" RECEPTACLE WITH "WEATHER PROOF IN-SE COVER".
- ALL ELECTRICAL GEAR AND EQUIPMENT (GENERATOR, TRANSFORMERS, SWITCHBOARDS, PANELBOARDS, DISCONNECTS, ENCLOSURES, ETC.) LOCATED OUTDOORS OR EXPOSED TO WEATHER SHALL BE NEMA 3R AND INTENDED DESIGNED FOR INSTALLATIONS EXPOSED TO WEATHER.
- VERIFY ALL ELECTRICAL REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATIONS OF FLOOR BOXES AND POKETHROUGH DEVICES WITH STRUCTURAL SHOP DRAWINGS AND ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT, LAB EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC. PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.
- ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF.
- ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2021 NEC), IBC, NFPA, AND IFC COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
- ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT.
- POWER AND DATA BACKBOXES SHALL BE STAGGERED BETWEEN STUDS FOR ACOUSTICAL PERFORMANCE.
- TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.
- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER OR ARCHITECT.

SHEET KEYNOTES

- EP1 POWER FOR CEILING MOUNTED PROJECTOR. MOUNT RECEPTACLE IN THE CEILING TILE. SEE TA SHEETS FOR LOCATIONS. CONFIRM EXACT MOUNTING LOCATION IN THE FIELD WITH THE AV SYSTEM INSTALLER.
- EP2 POWER AND DATA FOR VOICE LIFT SYSTEM. SEE TA DRAWINGS FOR LOCATIONS. CONFIRM EXACT MOUNTING LOCATION IN THE FIELD WITH THE AV SYSTEM INSTALLER.
- EP3 COORDINATE INSTALLATION OF RECEPTACLE WITH OTHER WASHER AND DRYER UTILITIES PRIOR TO ANY ROUGH-IN.
- EP4 COORDINATE INSTALLATION AND LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH THE ELEVATOR INSTALLER PRIOR TO ANY ROUGH-IN.
- EP5 WIRELESS ACCESS POINT MOUNTED ON T-BAR CEILING. PROVIDE COMMSCOPE RUCKUS SONERFLEX R650 (OR PRIOR APPROVED EQUIVALENT). PROVIDE ALL REQUIRED POE SWITCHES, PROGRAMMING, 1 YEAR SUPPORT AND ALL SETUP INCLUDING SECURITY AND POLICY. FOR A TURNKEY SYSTEM PROVIDE OWNER TRAINING ON SETUP AND CONTROL OF THE DEVICES. INSTALL ALL REQUIRED SOFTWARE ON COMPUTER AS DIRECTED BY THE OWNER. AS PART OF THE SUBMITTAL, THE CONTRACTOR TO PROVIDE HEAT MAPPING TO VERIFY WAP LAYOUT AND COVERAGE.
- EP6 COORDINATE INSTALLATION OF DEVICES WITHIN THE CASEWORK WITH THE OWNER, ARCHITECT AND CASEWORK INSTALLER PRIOR TO ANY ROUGH-IN.
- EP10 ELECTRIC HAND DRYER LOCATION. CONFIRM EXACT HEIGHT AND LOCATION WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
- EP13 POWER CONNECTION TO FIREPLACE. COORDINATE ALL CONNECTION REQUIREMENTS AND LOCATION WITH THE FIRE PLACE INSTALLER PRIOR TO ANY ROUGH-IN.
- EP14 FIREPLACE CONTROLS ARE FURNISHED BY THE FIREPLACE SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
- EP55 ADA DOOR CONTRACTOR TO WIRE ALL ACTUATOR BUTTONS COMPLETELY AND PROVIDE ALL REQUIRED POWER CONNECTIONS. COORDINATE ALL WORK WITH THE ARCHITECT AND DOOR INSTALLER PRIOR TO ANY ROUGH-IN.
- EP56 ADA DOOR BUTTON TO BE LOCATED ON A PEDESTAL. COORDINATE PEDESTAL REQUIREMENTS AND LOCATION WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
- EP59 RECEPTACLE AND FUTURE FOR FLAT PANEL DISPLAY. MOUNT IN RECESSED WALL BOX. HEIGHT AS SHOWN IS TO THE CENTER OF THE RECESSED WALL BOX. CONFIRM HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 14EP502 FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO PROVIDE RECESSED WALL BOX AND ALL REQUIRED CONDUIT FOR POWER, DATA AND AV.
- EP40 EXTEND A 1" CONDUIT FROM THE DATA BOX WITHIN THE RECESSED TV BOX TO THE ACCESSIBLE CEILING SPACE FOR FUTURE USE. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.



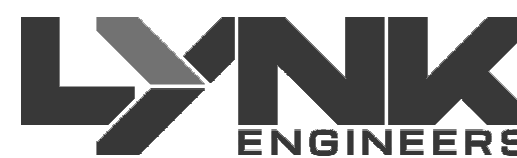
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
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Revisions

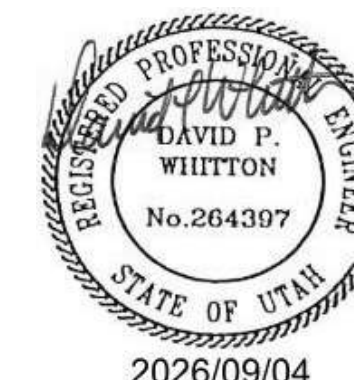
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Original Issue	09/04/2026
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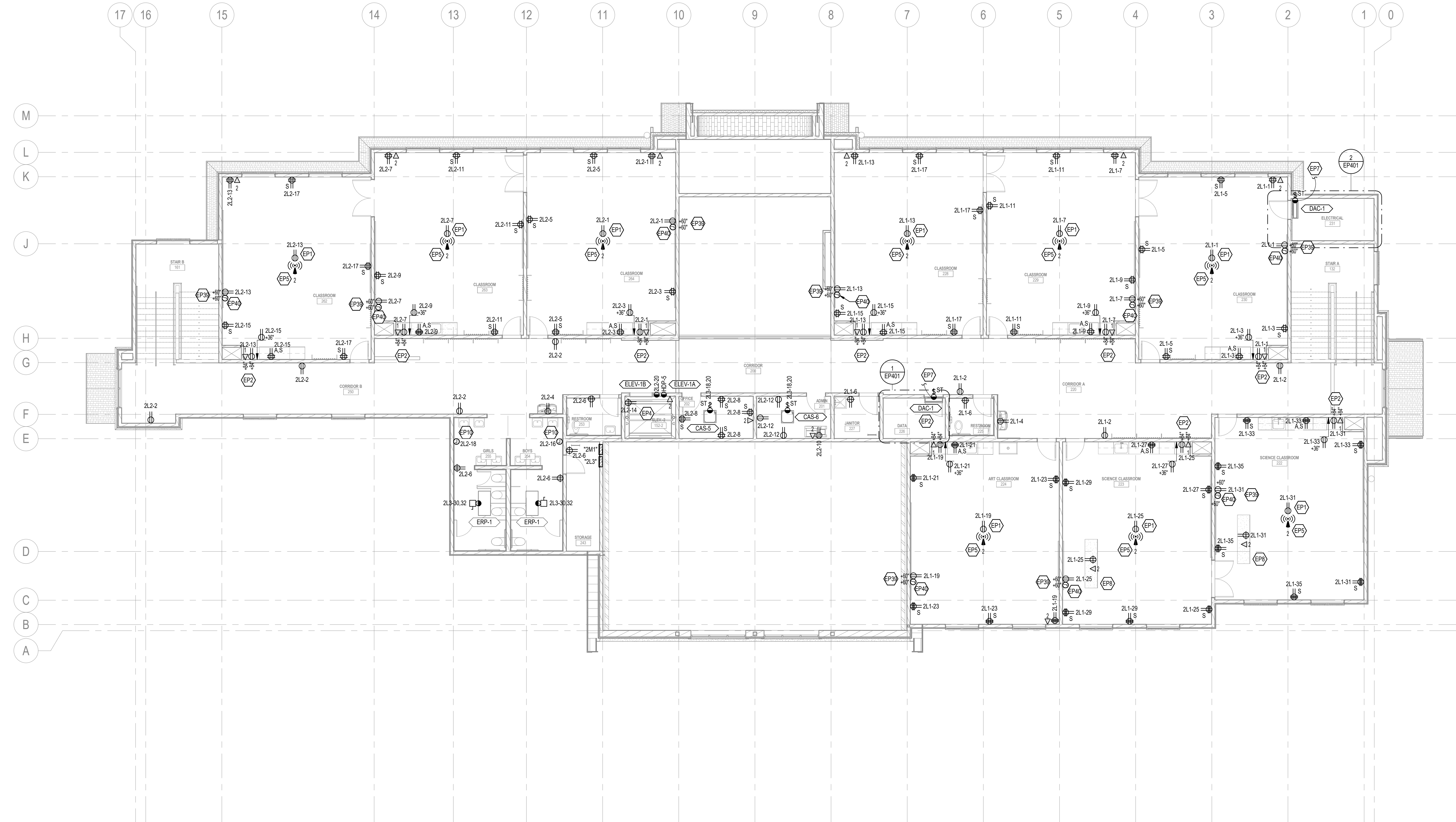


Sheet Title

LEVEL 1 POWER PLAN

Sheet Number

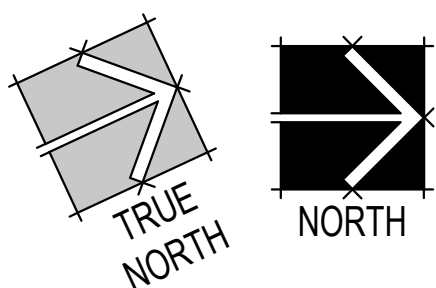
EP111



NOTES:

- SEE DETAIL S SHEP502 FOR SWITCH RECEPTACLE COLOR REQUIREMENTS
- SWITCHED RECEPTACLES SHALL BE CONTROLLED BY THE LOCAL OCCUPANCY SENSOR(S) IN THE ROOM. COORDINATE ALL CONNECTIONS AND REQUIREMENTS WITH THE LIGHTING CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN OR WIRING INSTALLATION. SEE DETAIL S SHEP603.

1 LEVEL 2 POWER PLAN
10' = 1" = 0'



- WIFI ACCESS POINT LOCATION (W)
- DATA LOCATION (D)
- QTY. OF CAT. 6A CABLES PROVIDE 20' LOOP ABOVE CEILING
- QTY. OF CAT. 6A CABLES
- DATA ELEVATION WITH DROP QTY. (TYP)

DATA/COMMUNICATIONS SYMBOLS LEGEND:

- A1-40 DESIGNATION OF CIRCUIT. WIRE COMPLETE. HOSPITAL GRADE RECEPTACLE. SEE SPECIFICATIONS.
- A1-40 GFCI RECEPTACLE
- A1-40 DESIGNATION OF CIRCUIT. WIRE COMPLETE.
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- RECEPTACLE ELEVATION (TYP)

TYPICAL RECEPTACLE CONVENTION

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- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER OR ARCHITECT.

SHEET KEYNOTES

- EP1 POWER FOR CEILING MOUNTED PROJECTOR. MOUNT RECEPTACLE IN THE CEILING TILE. SEE TA SHEETS FOR LOCATIONS. CONFIRM EXACT MOUNTING LOCATION IN THE FIELD WITH THE AV SYSTEM INSTALLER.
- EP2 POWER AND DATA FOR VOICE LIFT SYSTEM. SEE TA DRAWINGS FOR LOCATIONS. CONFIRM EXACT MOUNTING LOCATION IN THE FIELD WITH THE AV SYSTEM INSTALLER.
- EP4 COORDINATE INSTALLATION AND LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH THE ELEVATOR INSTALLER PRIOR TO ANY ROUGH-IN.
- EP5 WIRELESS ACCESS POINT MOUNTED ON T-BAR CEILING. PROVIDE COMMSCOPE RUCKUS SONERFLEX 9650 (OR PRIOR APPROVED EQUIVALENT). PROVIDE ALL REQUIRED POE SWITCHES, PROGRAMMING, 1 YEAR SUPPORT AND ALL SETUP (INCLUDING SECURITY AND POLICY). FOR A TURNKEY SYSTEM PROVIDE OWNER TRAINING ON SETUP AND CONTROL OF THE DEVICES. INSTALL ALL REQUIRED SOFTWARE ON COMPUTERS AS DIRECTED BY THE OWNER. AS PART OF THE SUBMITTAL, THE CONTRACTOR TO PROVIDE HEAT MAPPING TO VERIFY WAP LAYOUT AND COVERAGE.
- EP7 UP TO OUTDOOR UNIT (ACU-1) ON ROOF. SEE SHEET EP131.
- EP8 COORDINATE INSTALLATION OF DEVICES WITHIN THE CASEWORK WITH THE OWNER, ARCHITECT AND CASEWORK INSTALLER PRIOR TO ANY ROUGH-IN.
- EP10 ELECTRIC HAND DRYER LOCATION. CONFIRM EXACT HEIGHT AND LOCATION WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
- EP39 RECEPTACLE AND FUTURE FOR FLAT PANEL DISPLAY. MOUNT IN RECESSED WALL BOX. HEIGHT AS SHOWN IS TO THE CENTER OF THE RECESSED WALL BOX. CONFIRM HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 14EP392 FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO PROVIDE RECESSED WALL BOX AND ALL REQUIRED CONDUIT FOR POWER, DATA AND AV.
- EP40 EXTEND A 1" CONDUIT FROM THE DATA BOX WITHIN THE RECESSED TV BOX TO THE ACCESSIBLE CEILING SPACE FOR FUTURE USE. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.



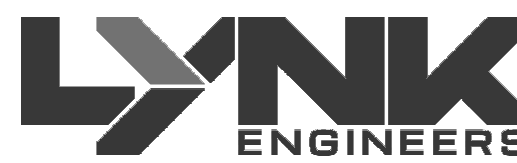
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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Revisions

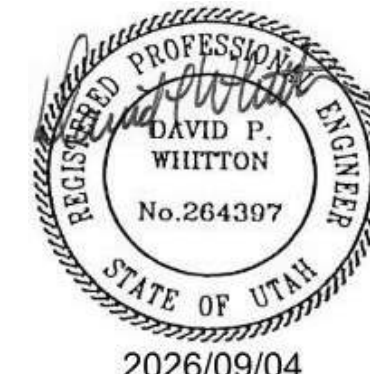
Num.	Description	Date
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Project Number 25526
Original Issue 09/04/2026
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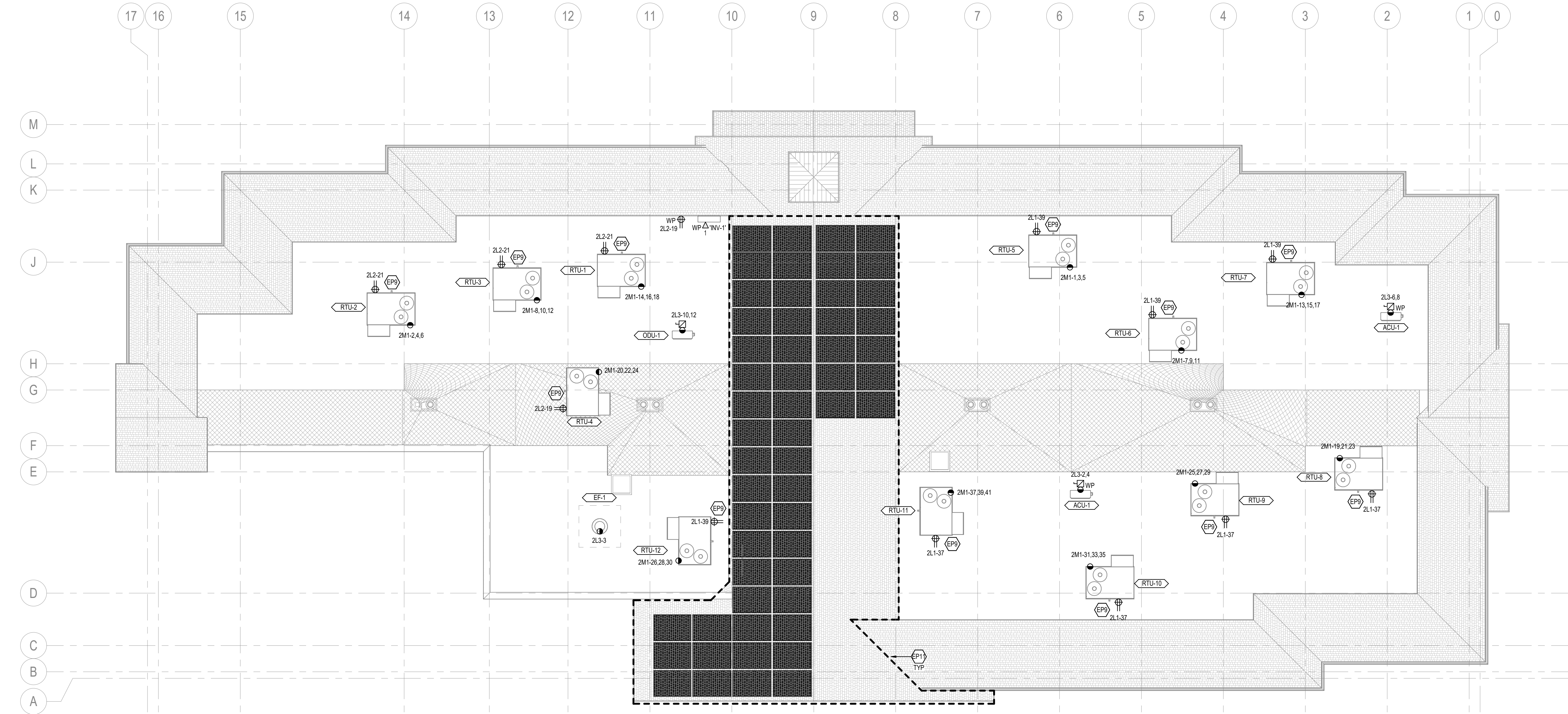


Sheet Title

LEVEL 2 POWER PLAN

Sheet Number

EP121



ROOFTOP PHOTOVOLTAIC SYSTEM SCOPE OF WORK DESCRIPTION

PERFORMANCE REQUIREMENTS: PROVIDE A COMPLETE DECENTRALIZED ROOFTOP PHOTOVOLTAIC SYSTEM THAT WILL PRODUCE A MINIMUM OF 43,800 KWH PER YEAR WITH NO LESS THAN 1% DEGRADATION PER YEAR. PROVIDE A COMPLETE SYSTEM INCLUDING, BUT NOT NECESSARILY LIMITED TO SOLAR MODULES, INVERTERS, RACKING SYSTEM, POWER OPTIMIZERS, CONDUITS, CONDUCTORS, AND TERMINATIONS. IT COMMISSION A COMPLETE PHOTOVOLTAIC SYSTEM WILL MEET THIS REQUIREMENT, BASED ON PRELIMINARY CALCULATIONS. THE SYSTEM WILL NEED TO BE SIZED AT APPROXIMATELY 24 KW WITH PANELS TILTED AT 10 DEGREES; HOWEVER, THIS SHALL BE AS DETERMINED BY THE CONTRACTOR TO ACHIEVE THE ENERGY PRODUCTION GOAL INDICATED ABOVE.

INVERTERS: LOCATE INVERTERS ON ROOF-MOUNTED SELF-BALLASTED RACKING SYSTEM. INVERTERS SHALL NOT EXTEND BEYOND THE HEIGHT OF ADJACENT SOLAR MODULES. SOLAR PANELS SHALL BE MOUNTED AT LEAST 6" OFF THE ROOF. MPPT MAXIMUM OPERATING VOLTAGE RANGE INVERTERS SHALL NOT 1000 VDC. FEEDERS TO INVERTERS SHALL BE ROUTED IN THE CEILING BELOW THE ROOF DECK WHERE POSSIBLE. PROVIDE ROOF FLASHING FOR ALL CONDUITS THAT PENETRATE THE ROOF MEMBRANE. ALL WIRING FROM INVERTERS TO SOLAR MODULES SHALL BE ROUTED IN MC CONDUIT AND SHALL BE 1000 VOLT TYPE RPLV CU.

ZONING: THE AREAS INDICATE POSSIBLE LOCATIONS FOR PV PANELS AND INVERTERS. COORDINATE EXACT LOCATION OF ALL ROOF-TOP EQUIPMENT WITH OTHER TRADES PRIOR TO DESIGNING SYSTEM. PERFORM A SHADING STUDY TO SUPPORT PROPOSED LOCATIONS OF PANELS.

PV ZONE
1

PV INVERTER
INV-1 (40 KW)

SPECIFICATIONS: REFER TO ELECTRICAL SPECIFICATION SECTION 26 3202, TURNKEY PHOTOVOLTAIC COLLECTORS.

DEVELOP SOLAR ENERGY PROJECT FINAL PLANS: THE SUCCESSFUL PROPOSER SHALL DEVELOP PV SYSTEM PROJECT PLANS, WHICH SHALL BE SUBJECT TO MUTUAL AGREEMENT, PLAN CHECK AND DESIGN REVIEW BY THE GENERAL CONTRACTOR, THE ARCHITECT, ELECTRICAL ENGINEER, LOCAL AUTHORITY HAVING JURISDICTION, AND OTHER PARTIES WITH LOCAL JURISDICTION. FINAL DRAWINGS AND SPECIFICATIONS SHALL BE STAMPED AND SIGNED BY AN ELECTRICAL ENGINEER LICENSED IN THE STATE OF UTAH. ALL STRUCTURAL MOUNTING DETAILS SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEERING LICENSED IN THE STATE OF UTAH.

SUPPORTING DESIGN DOCUMENTATION: SUBMIT SUPPORT DESIGN DOCUMENTATION WITH FINAL PLANS FOR REVIEW INCLUDING SHADE ANALYSIS, VOLTAGE DROP CALCULATIONS, ENERGY ANALYSIS, INCLUDING EFFECTS OF SHADING AND SHOP DRAWINGS OF PROPOSED PV AND MOUNTING EQUIPMENT.

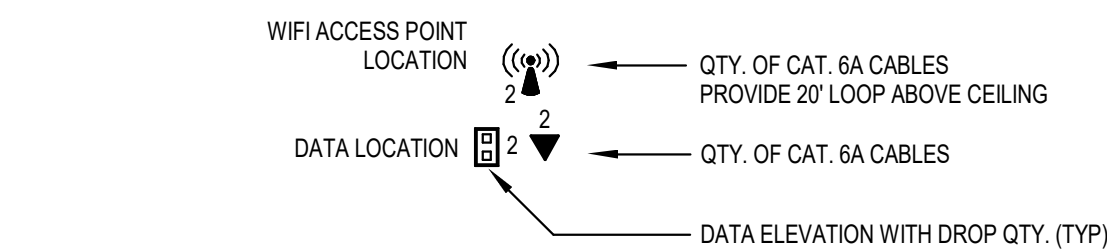
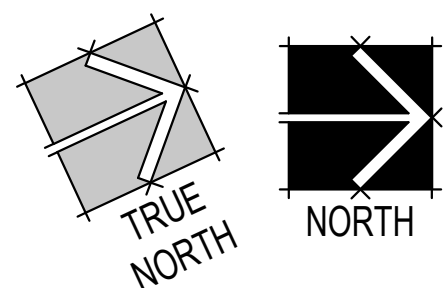
LOCAL POWER COMPANY COORDINATION: THE SUCCESSFUL PROPOSER SHALL COMPLETE ALL REQUIRED INTERCONNECTION AND NET-METERING APPLICATION FORMS AND ASSOCIATED REQUIREMENTS.

CONSTRUCT THE PV SYSTEM: ALL COST ASSOCIATED WITH THE CONSTRUCTION OF THE PV SYSTEM, INCLUDING INSURANCE COVERAGE, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ALL LABOR, MATERIALS, PERMITS, BONDING, ENGINEERING/DESIGN, TRANSPORTATION, STORAGE, AND EQUIPMENT RENTAL COSTS TO CONSTRUCT THE ENTIRE PV SYSTEM, IN ACCORDANCE WITH THE FINAL APPROVED PLANS.

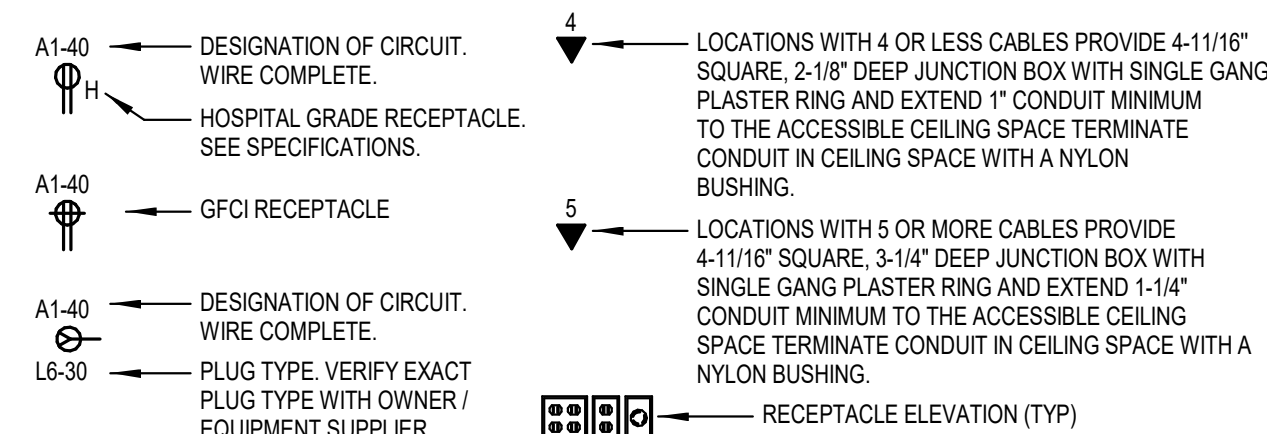
COMMISSIONING AND ACCEPTANCE TESTING: DURING THE START-UP OWNERS PERSONNEL AND/OR ITS DESIGNEES SHALL OBSERVE AND VERIFY THE SYSTEM PERFORMANCE REQUIREMENTS. REQUIRED COMMISSIONING AND ACCEPTANCE TEST SERVICES SHALL INCLUDE, BUT ARE NOT LIMITED TO:

- STARTING UP THE PV SYSTEM UNTIL IT ACHIEVES THE MUTUALLY AGREED PERFORMANCE REQUIREMENTS.
- CONDUCTING THE PERFORMANCE TESTING OVER FIVE CONSECUTIVE CALENDAR DAYS.
- CONDUCTING THE SUCCESSFUL DELIVERY OF POWER WITHIN 30 DAYS FOLLOWING THE COMPLETION OF THE SYSTEM.
- FULFILLING ANY OTHER NOTED REQUIREMENT AS SPECIFIED BY THE DAVIS SCHOOL DISTRICT, ARCHITECT, ENGINEER, OR LOCAL AUTHORITY HAVING JURISDICTION.

1 ROOF POWER PLAN SHEET 1 OF 1



DATA/COMMUNICATIONS SYMBOLS LEGEND:



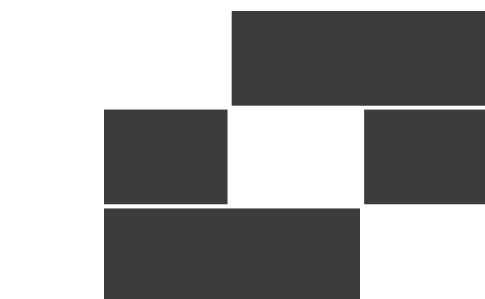
TYPICAL RECEPTACLE CONVENTION

GENERAL SHEET NOTES

- LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT. WITH CLEARANCES PER NEC.
- CONTRACTOR IS RESPONSIBLE FOR ARRANGING ELECTRICAL ROOMS AND SHALL PROVIDE DIMENSIONED SCALED DRAWINGS OF EACH ELECTRICAL ROOM DETAILING EXACT SIZE, REQUIRED CLEARANCES AND FINAL LOCATION OF ALL DISTRIBUTION PANELS, BRANCH PANELS, TRANSFORMERS, AUTOMATIC TRANSFER SWITCHES AND OTHER SIMILAR EQUIPMENT BASED ON FINAL APPROVED GEAR SUBMITTALS PRIOR TO ROUGH-IN OF EQUIPMENT.
- ALL EXTERIOR RECEPTACLES SHOWN SHALL BE NEMA 5-20R GFCI "WEATHER RESISTANT" RECEPTACLE WITH "WEATHER PROOF IN-SE COVER".
- ALL ELECTRICAL GEAR AND EQUIPMENT (GENERATOR, TRANSFORMERS, SWITCHBOARDS, PANELBOARDS, DISCONNECTS, ENCLOSURES, ETC.) LOCATED OUTDOORS OR EXPOSED TO WEATHER SHALL BE NEMA 3R AND INTENDED DESIGNED FOR INSTALLATIONS EXPOSED TO WEATHER.
- VERIFY ALL ELECTRICAL REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATIONS OF FLOOR BOXES AND POKETHROUGH DEVICES WITH STRUCTURAL SHOP DRAWINGS AND ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT, LAB EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC. PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.
- ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF.
- ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2021 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
- ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT.
- POWER AND DATA BACKBOXES SHALL BE STAGGERED BETWEEN STUDS FOR ACOUSTICAL PERFORMANCE.
- TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.
- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER OR ARCHITECT.

SHEET KEYNOTES

- EP9 RECEPTACLE IS PROVIDED WITH THE UNIT. CIRCUIT AS SHOWN.
- EP11 ACCEPTABLE LOCATION FOR MOUNTING PV PANELS.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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Revisions

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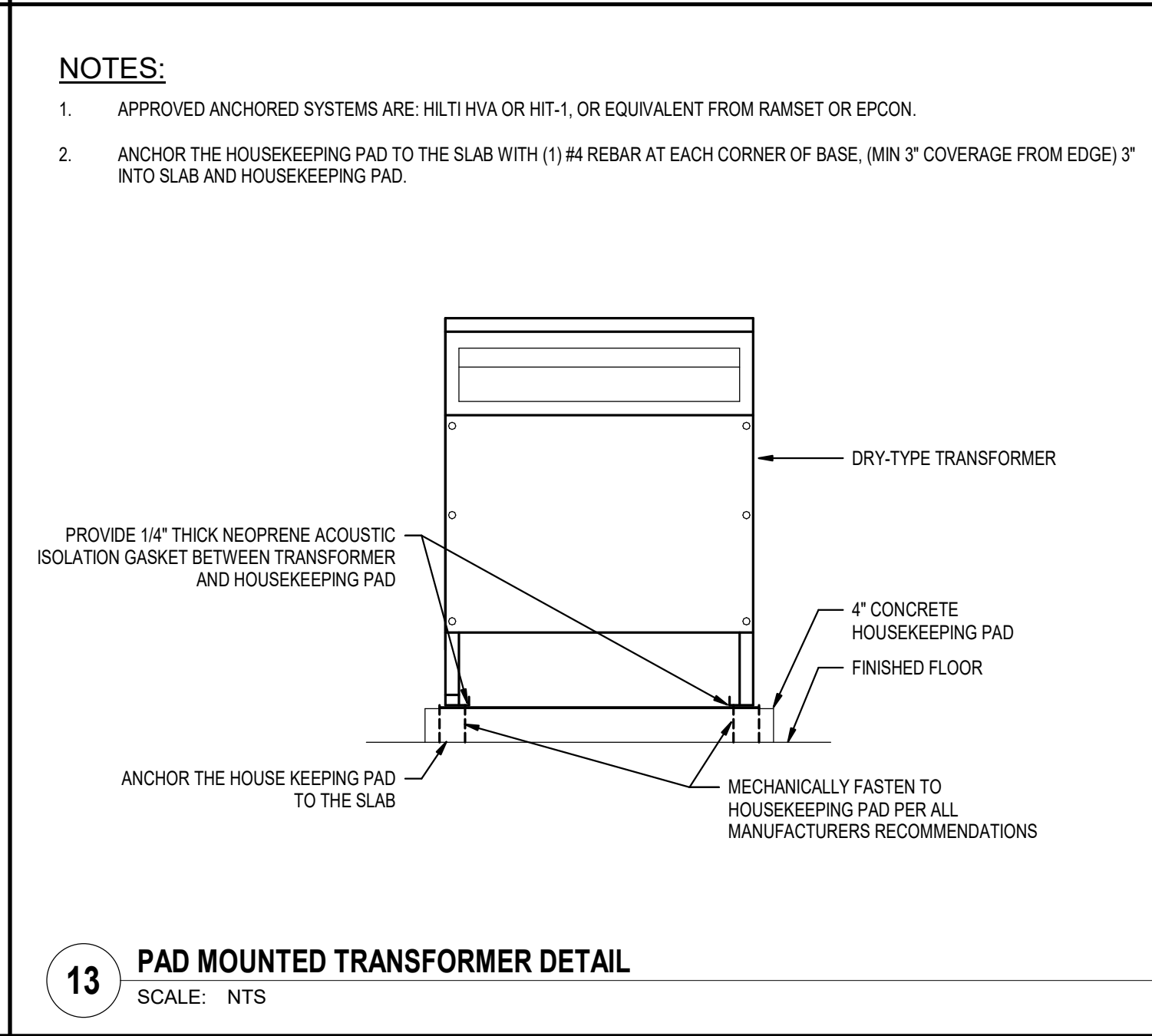
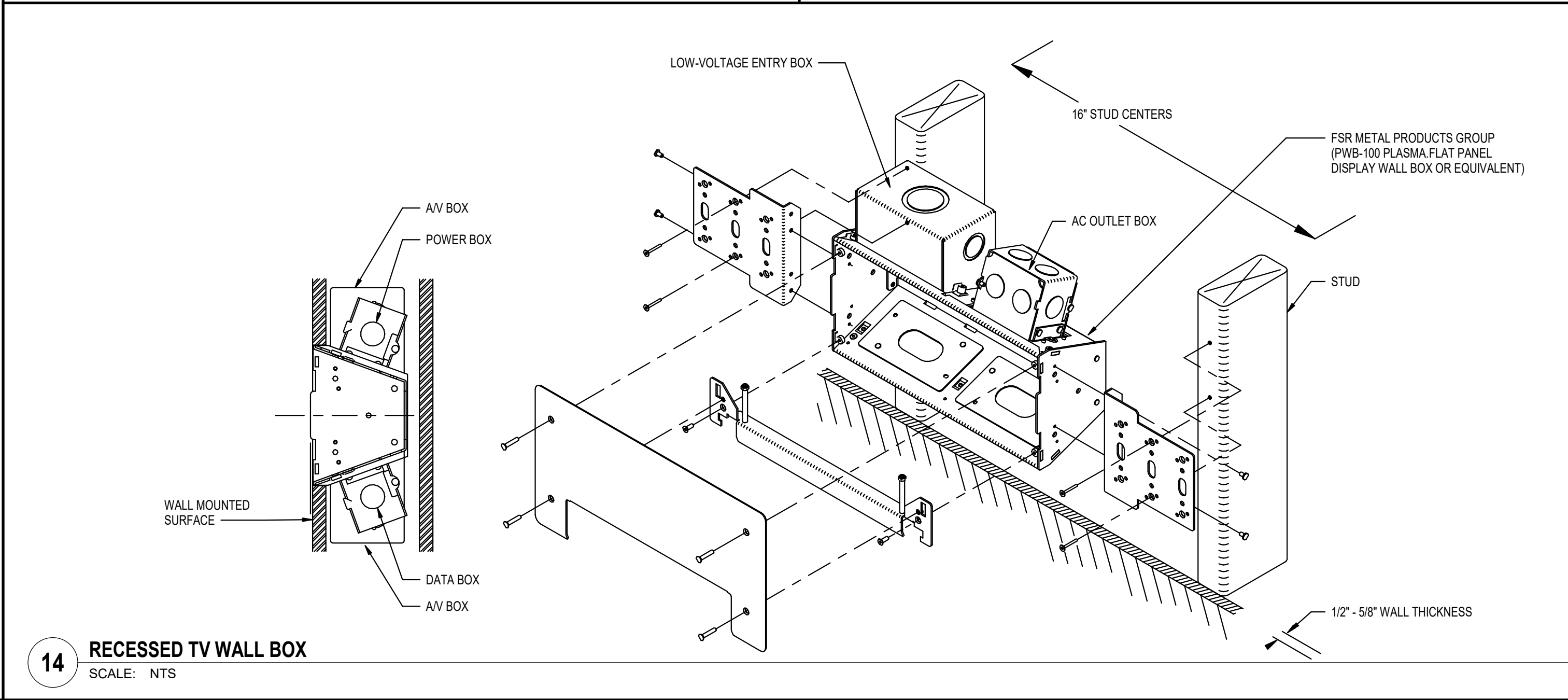
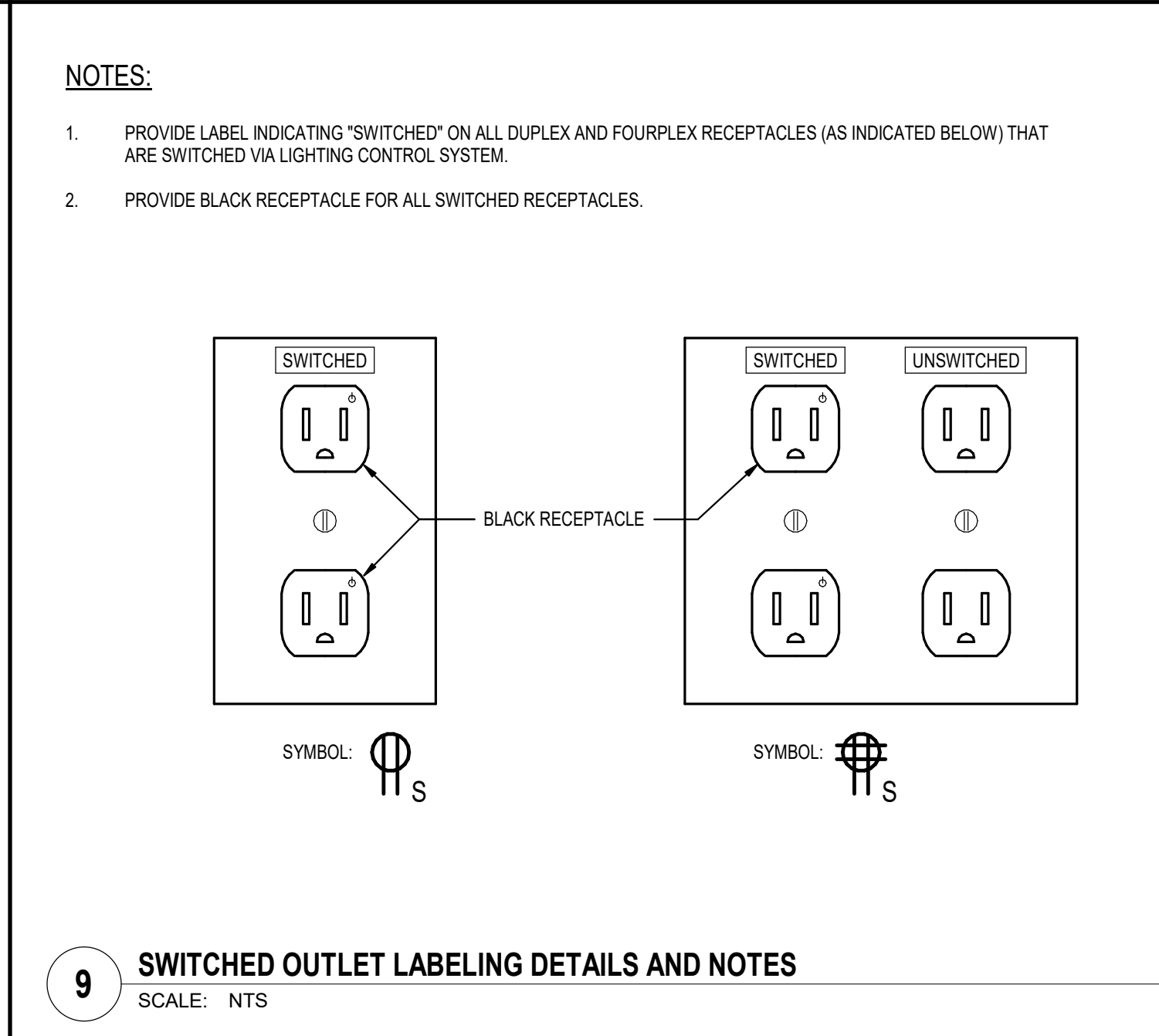
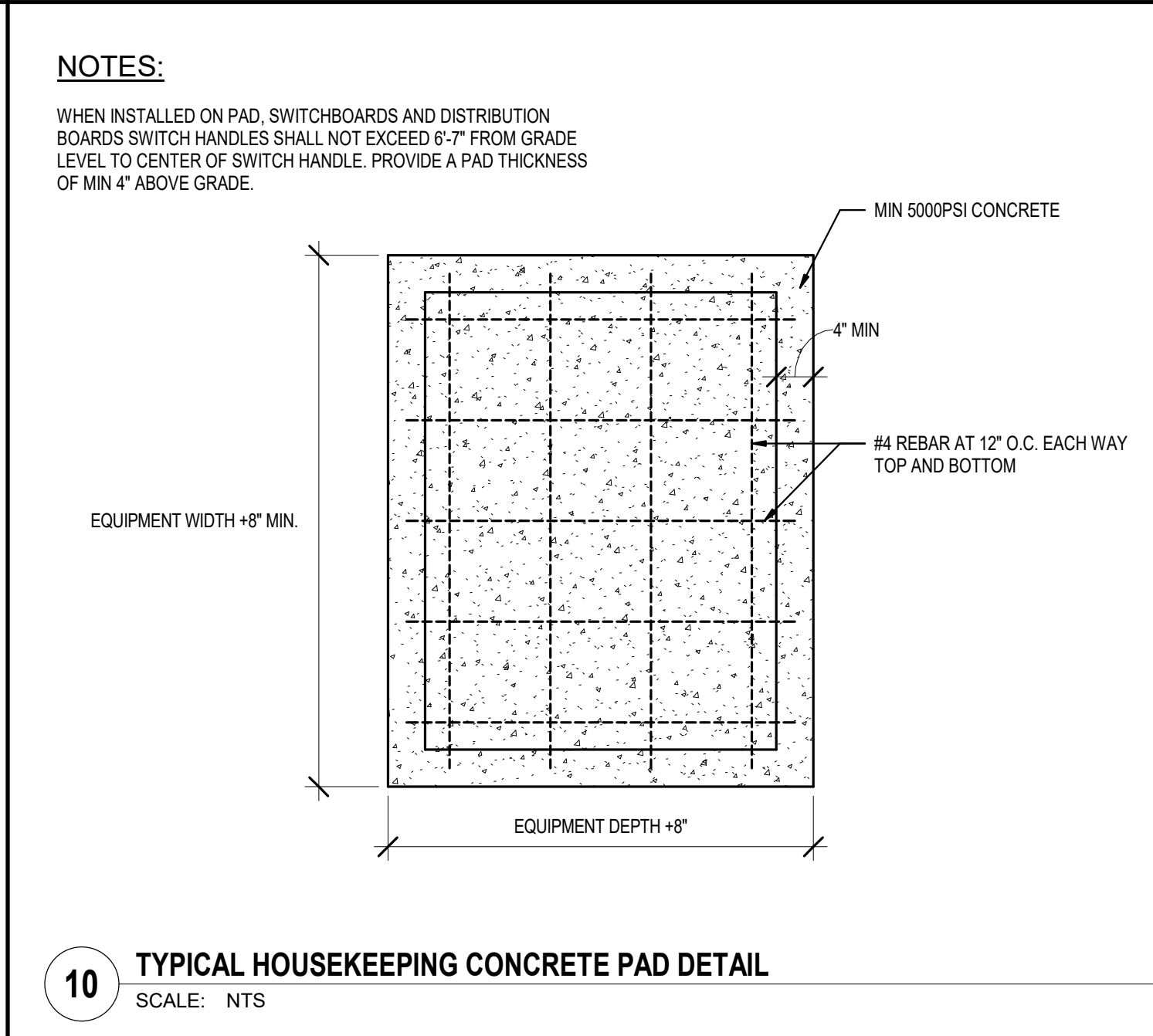
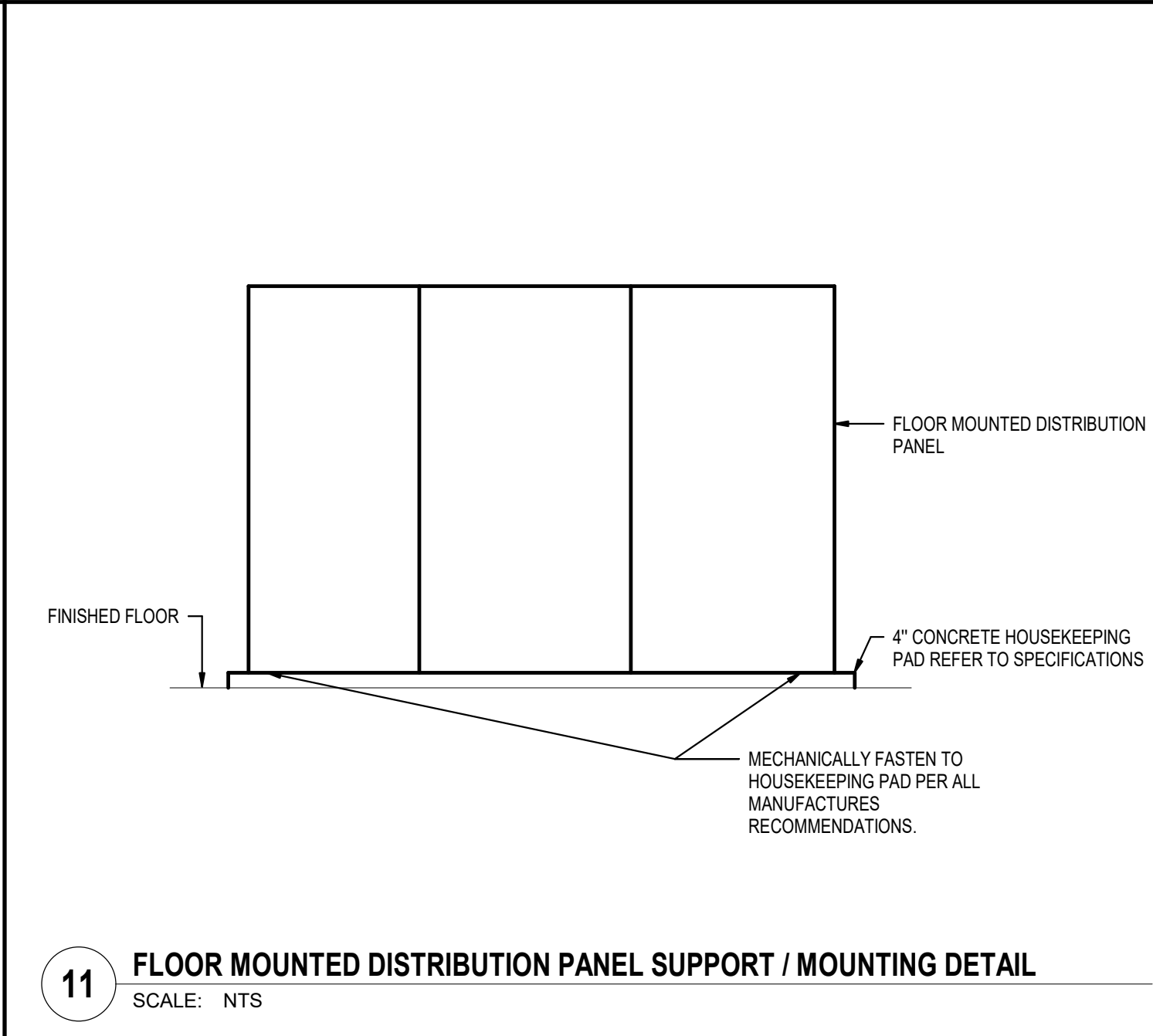
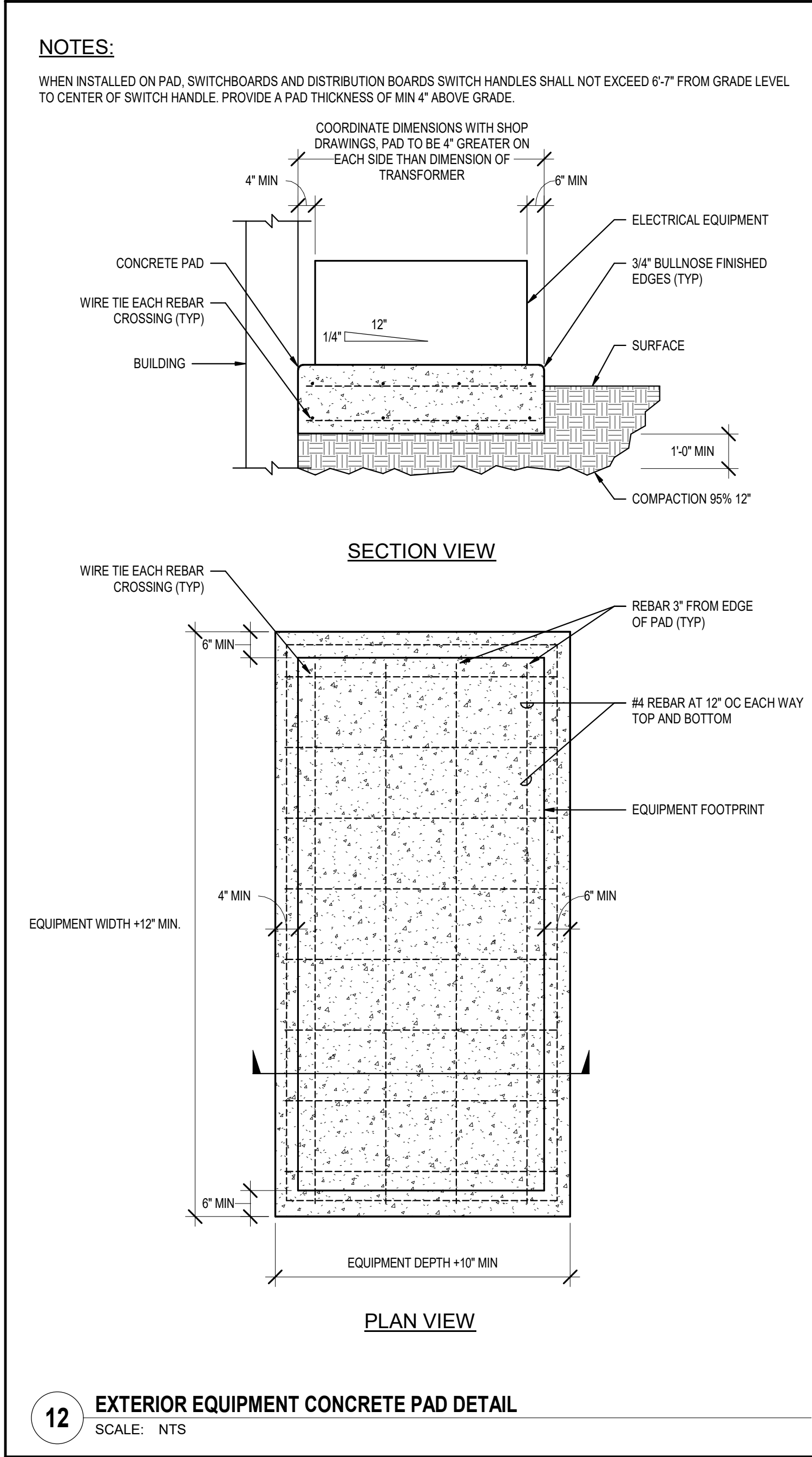
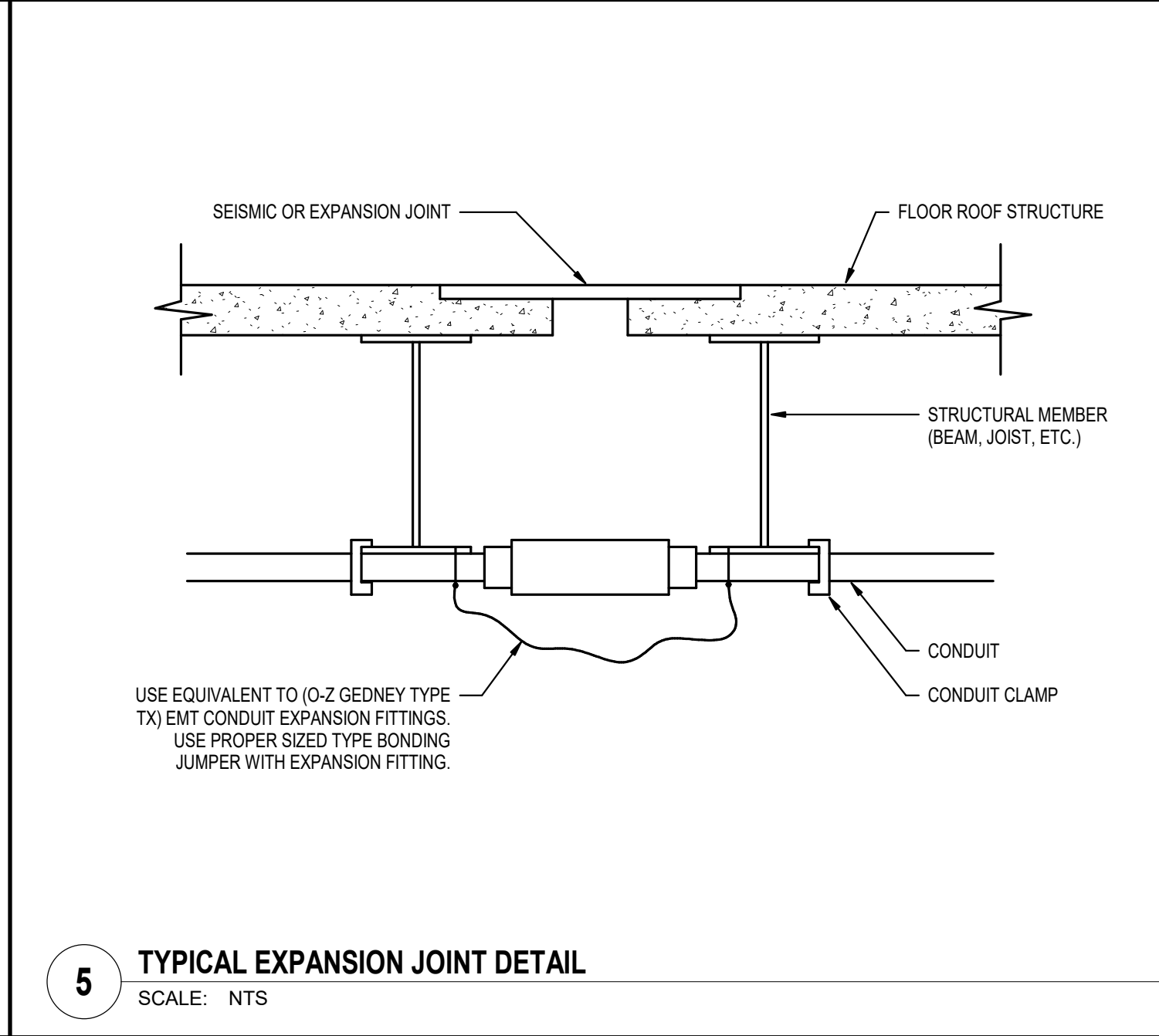
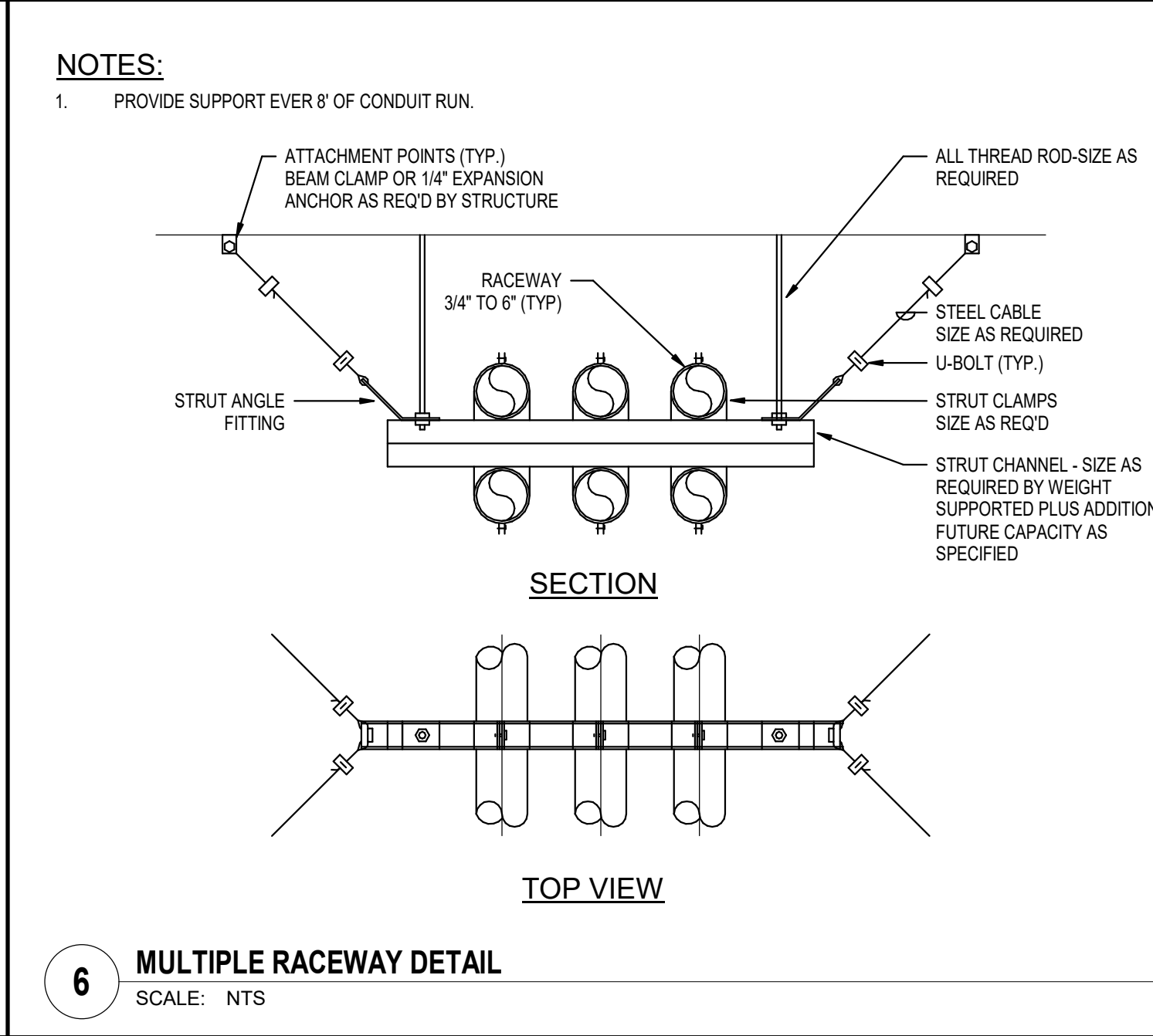
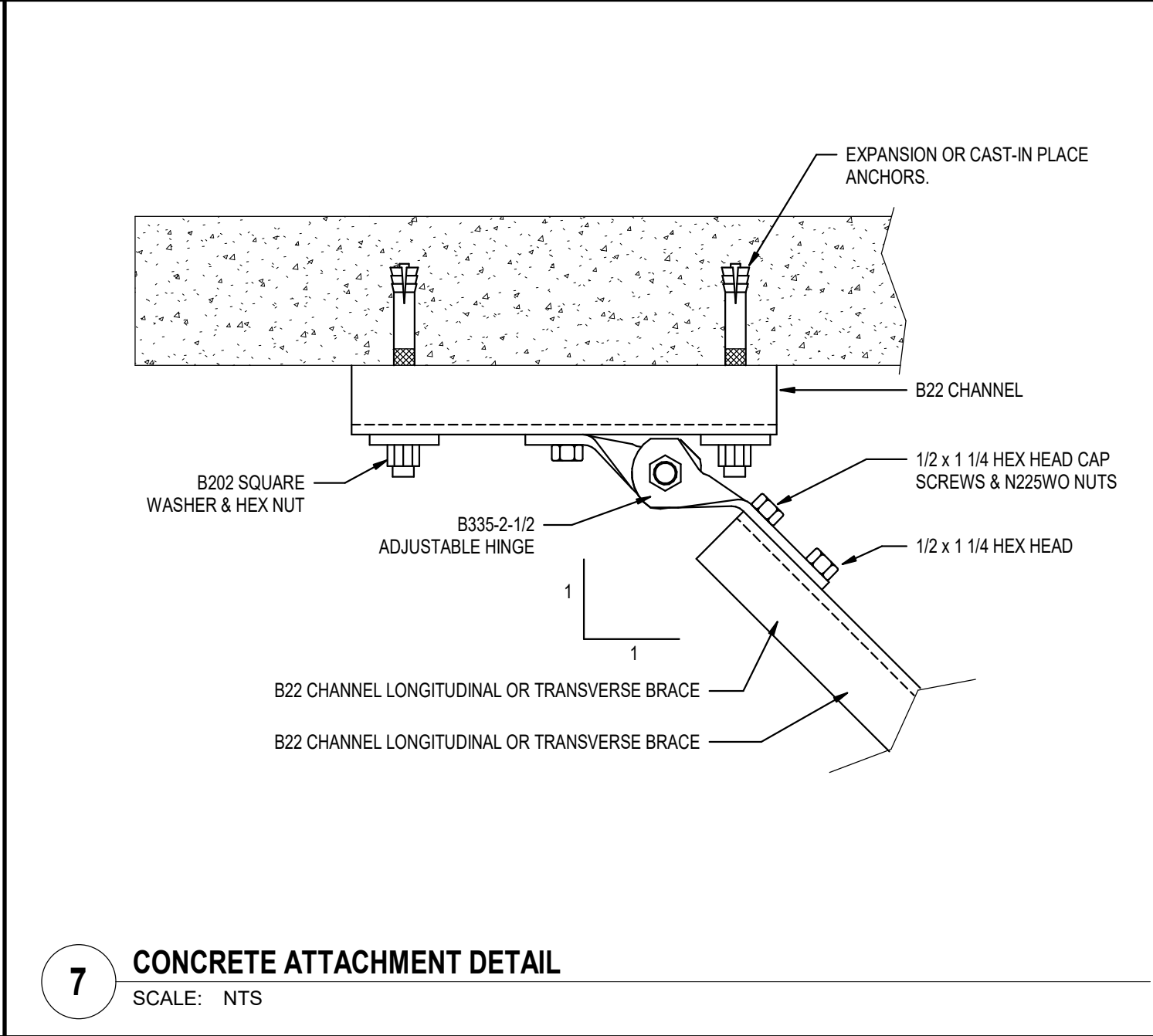
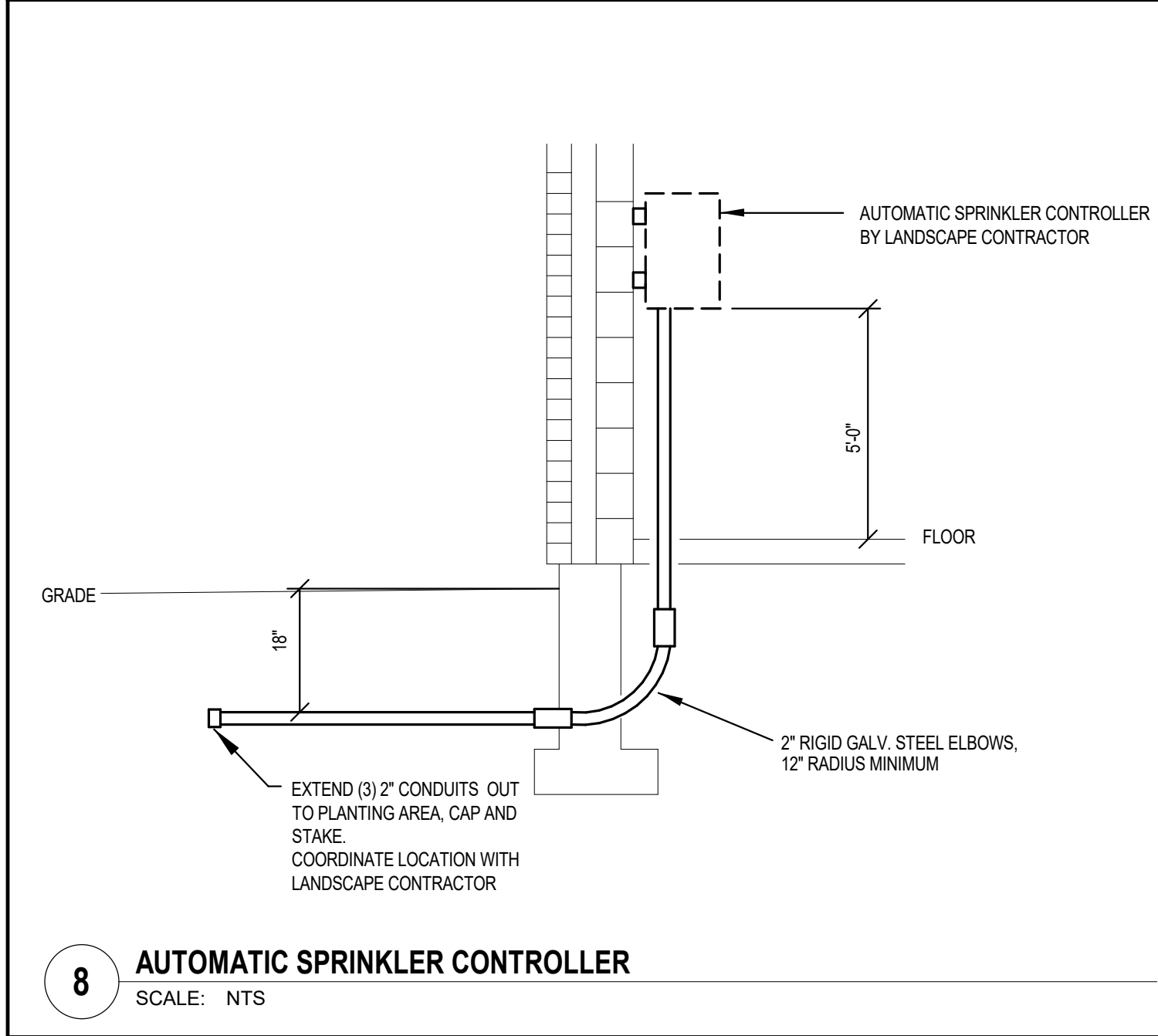
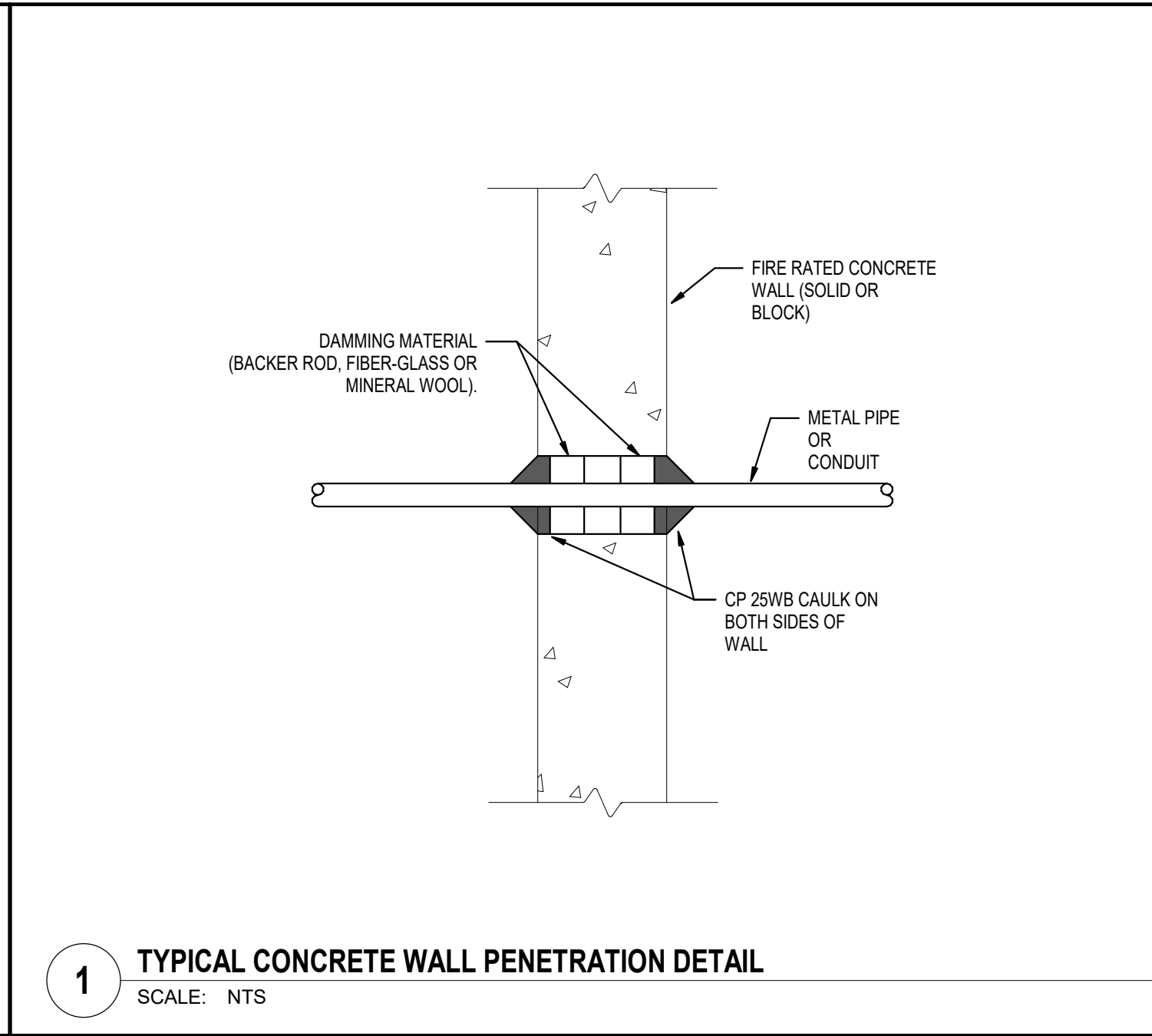
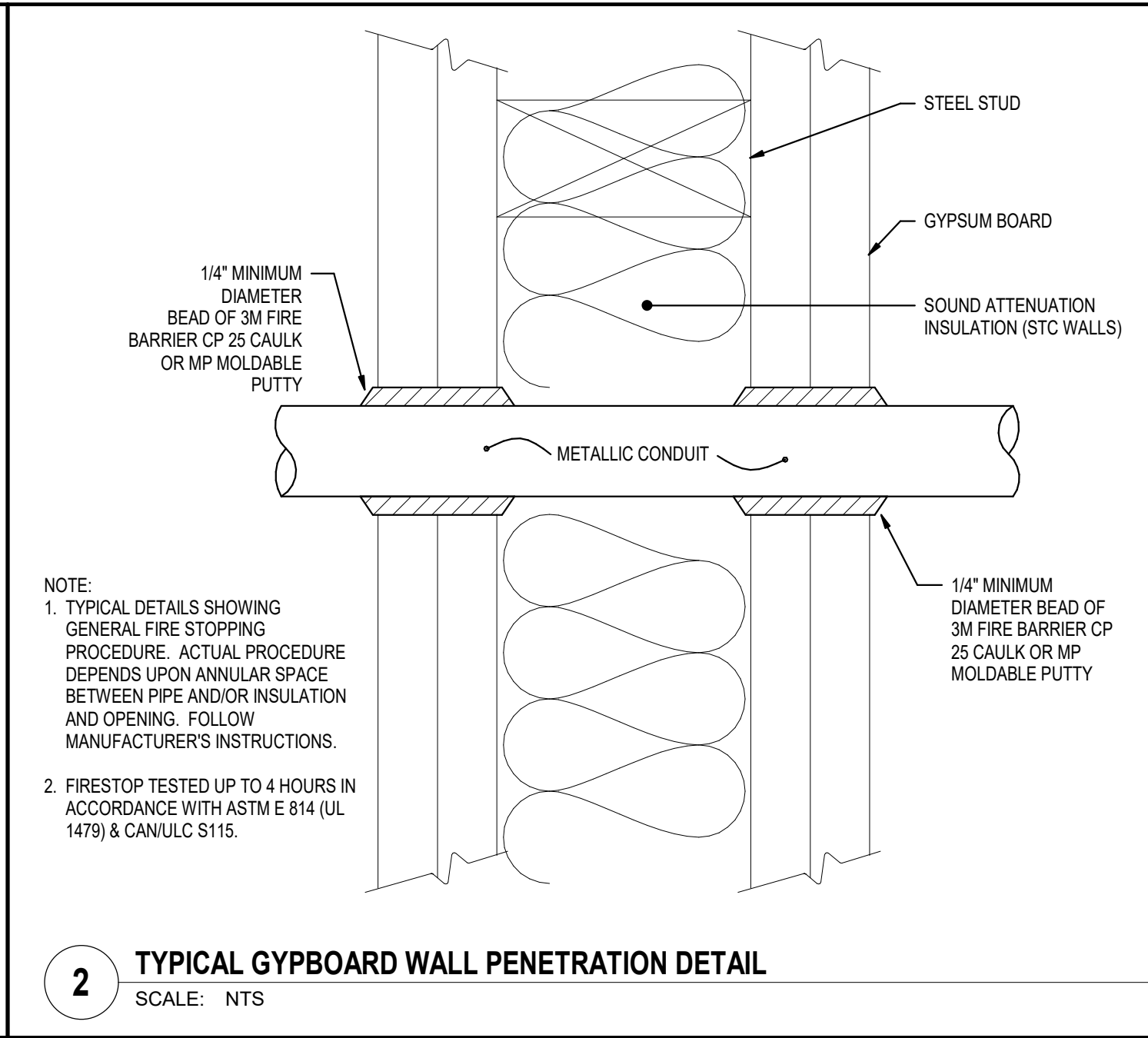
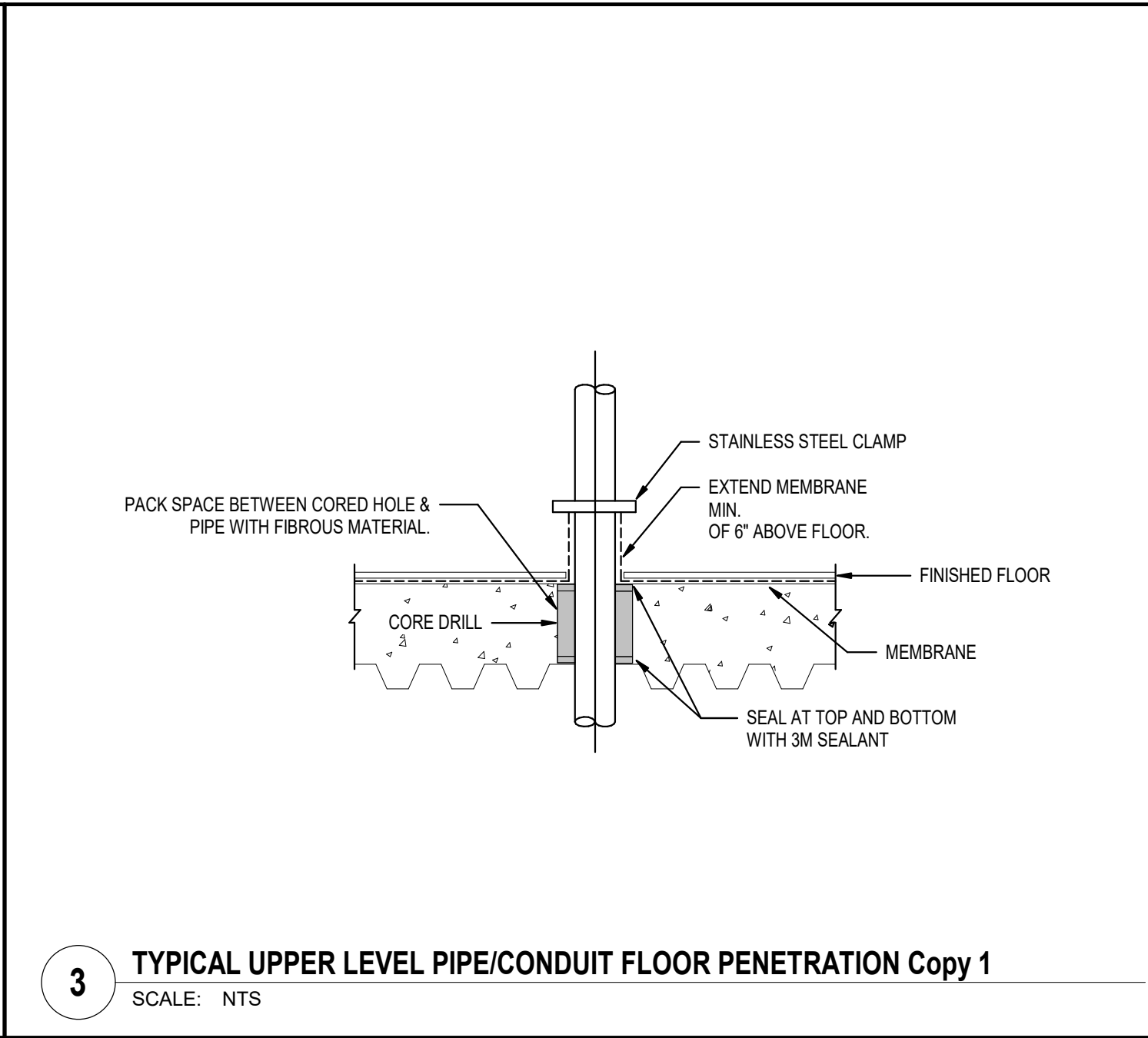
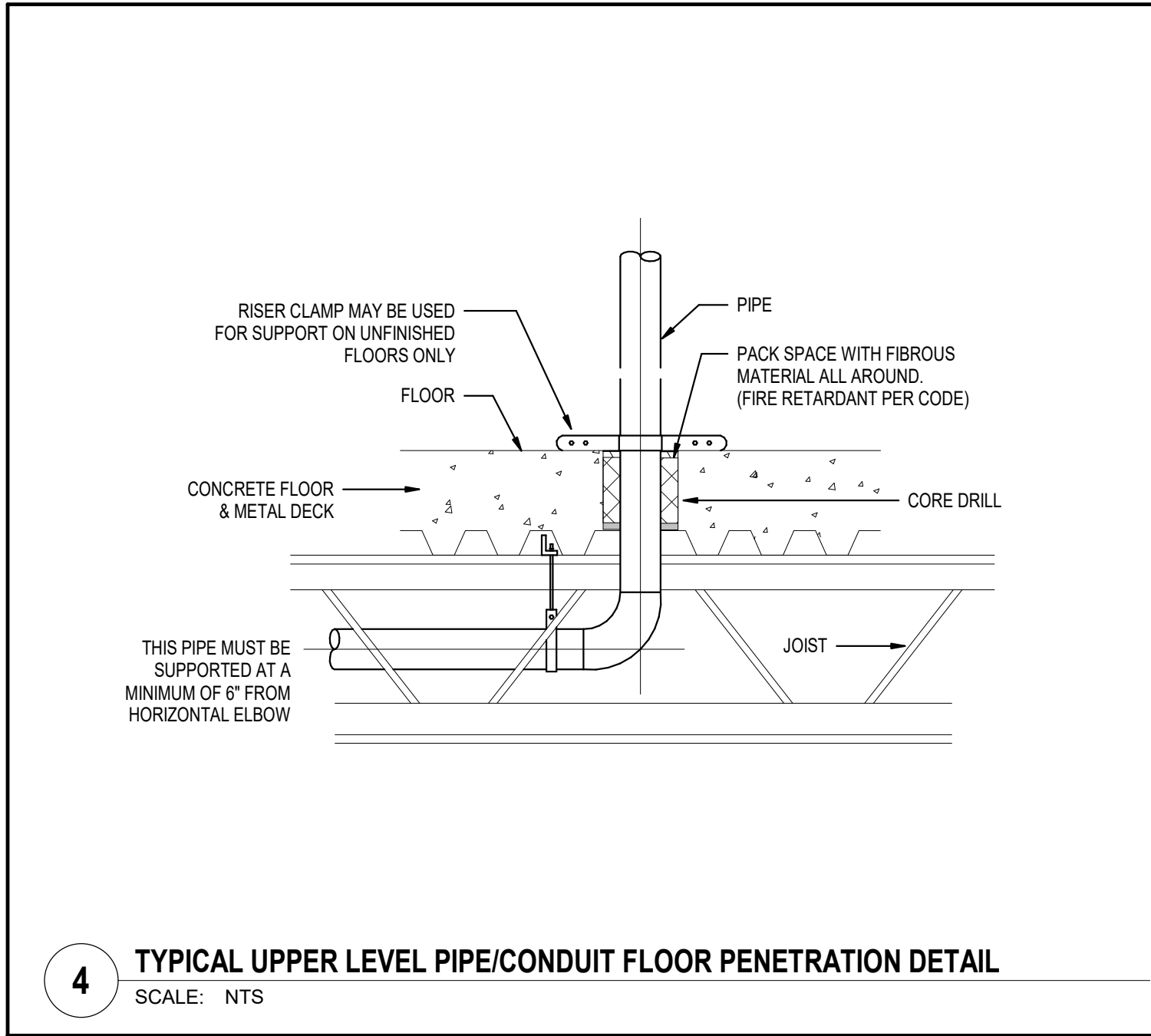


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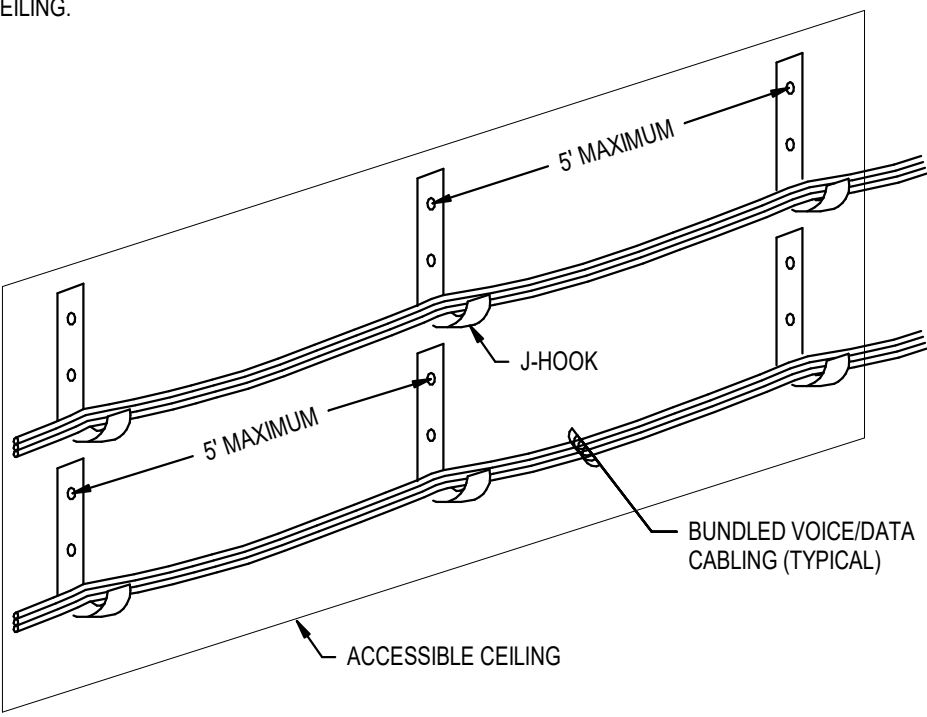
Sheet Number

EP131



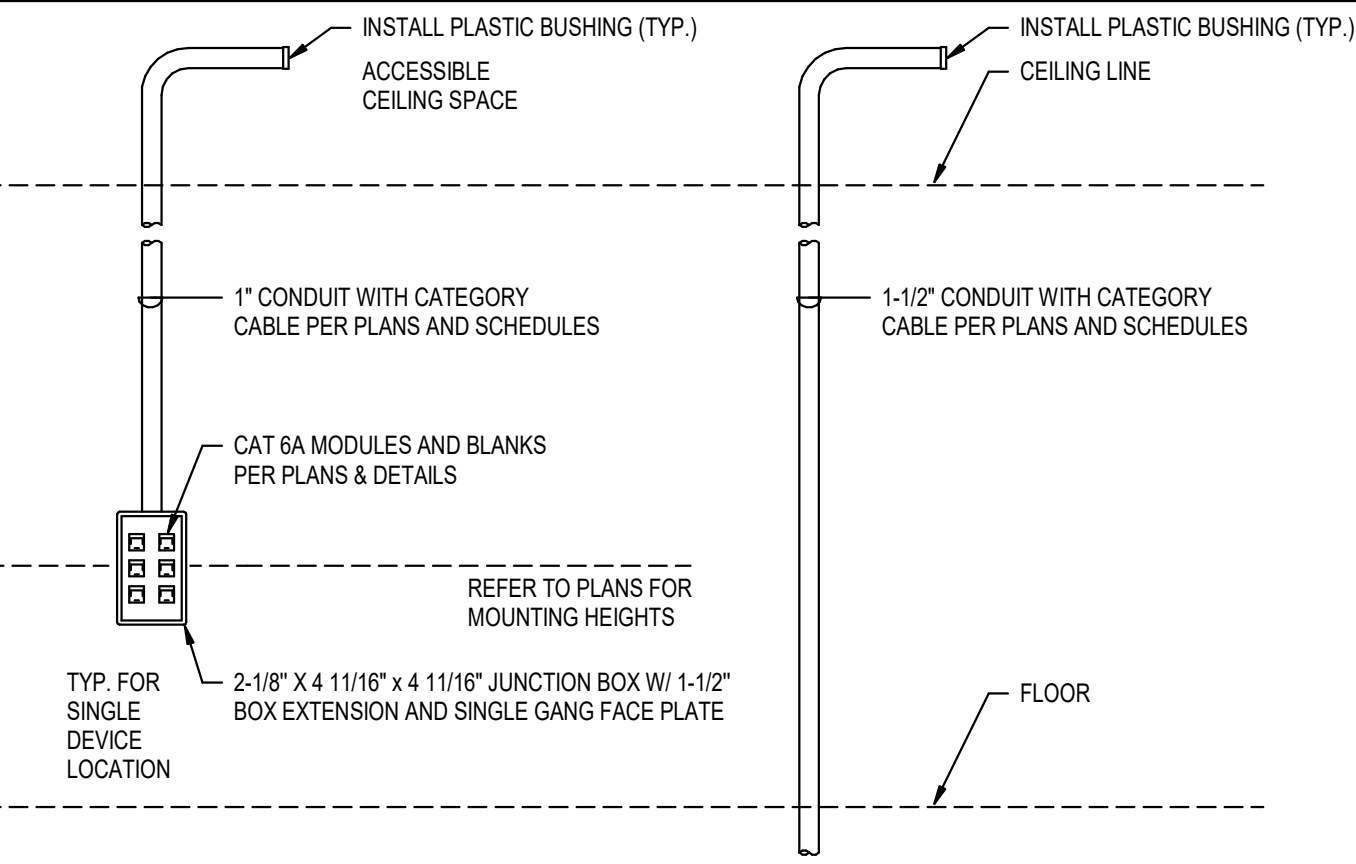
NOTE:

1. MOUNT J-HOOKS SUCH THAT CABLE IS A MINIMUM OF 3" ABOVE FINISHED CEILING.



4 TYPICAL WALL MOUNTED J-HOOK DETAIL

SCALE: NTS

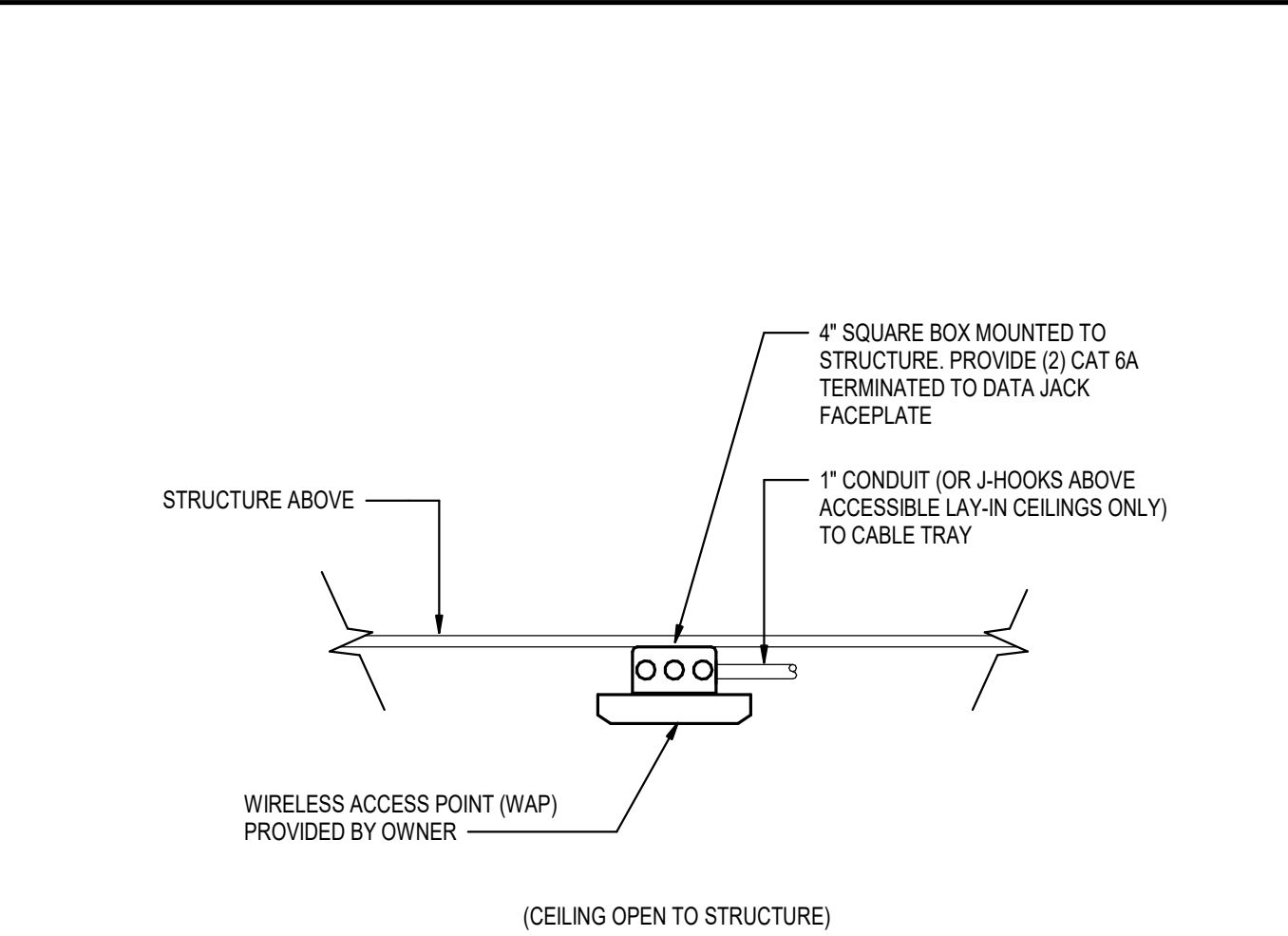


NOTES:

1. EXTEND ALL CONDUIT INTO ACCESSIBLE CEILING SPACE. INSTALL ELBOW FACING TOWARDS CABLE TRAY. REAM AND BUSH ALL CONDUIT ENDS TO PREVENT CABLE DAMAGE DURING PULL. ROUTE CONDUIT DIRECTLY TO CABLE TRAY UNLESS ABOVE ACCESSIBLE LAY-IN CEILING.
2. IF PATHWAY GOES IN OR BELOW GROUND FLOOR SLAB, PROVIDE WITH CABLING SUITABLE FOR WET LOCATION INSTALLATIONS.
3. CONDUIT SIZES MAY NEED TO BE INCREASED DEPENDING ON TOTAL NUMBER OF CABLES INSTALLED. SEE CONDUIT SIZING CHART TO DETERMINE IF LARGER CONDUIT IS REQUIRED. SIZES INDICATED ARE MINIMUMS.

6 VOICE/DATA ROUGH-IN DETAIL

SCALE: NTS

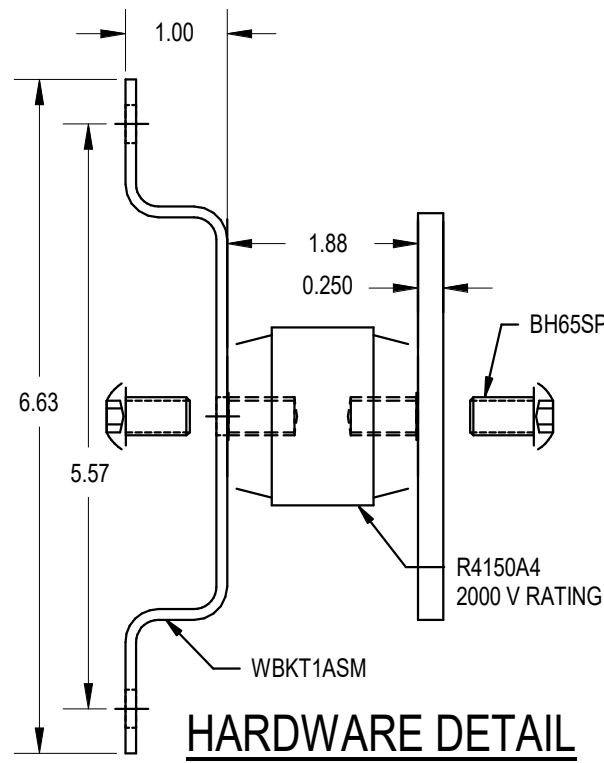


8 OPEN CEILING STRUCTURE MOUNTED WAP DETAIL

SCALE: NTS

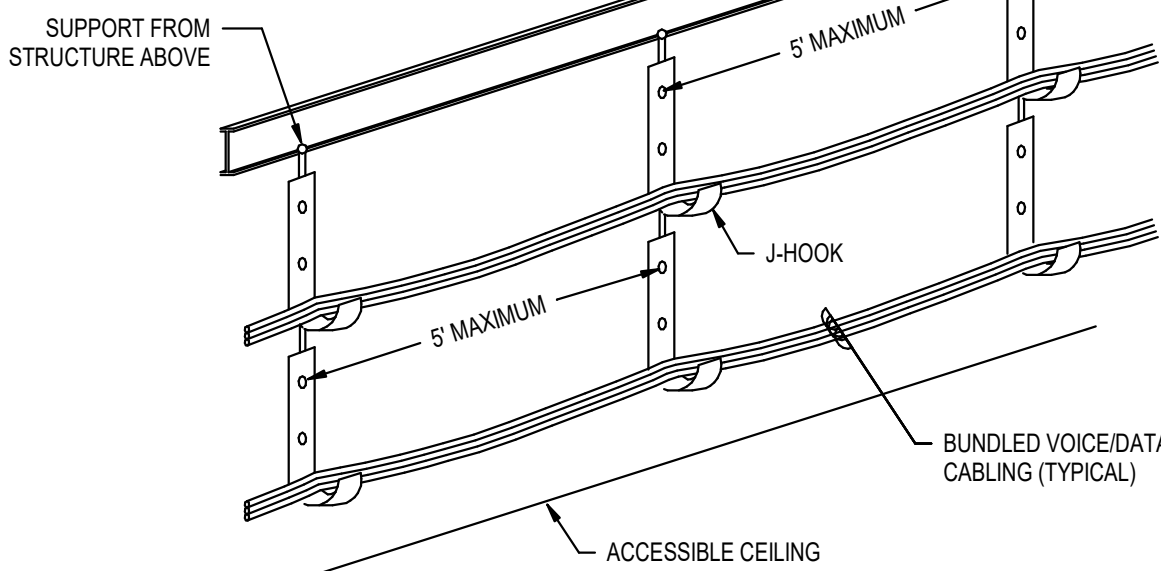
NOTES:

1. SUPPORT FROM WALL 12 INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE.
2. PROVIDE IN MAIN TELECOMMUNICATION ROOM.
3. EXTEND BONDING CONDUCTOR BACK TO MAIN ELECTRICAL SERVICE BONDING BAR.
4. SEE SPECIFICATION SECTION 280452 FOR DETAILS. PROVIDE MANUFACTURER AND PART NUMBER INDICATED OR APPROVED EQUIVALENT.



9 TELECOMMUNICATIONS GROUNDING BUS BAR - TMGB

SCALE: NTS

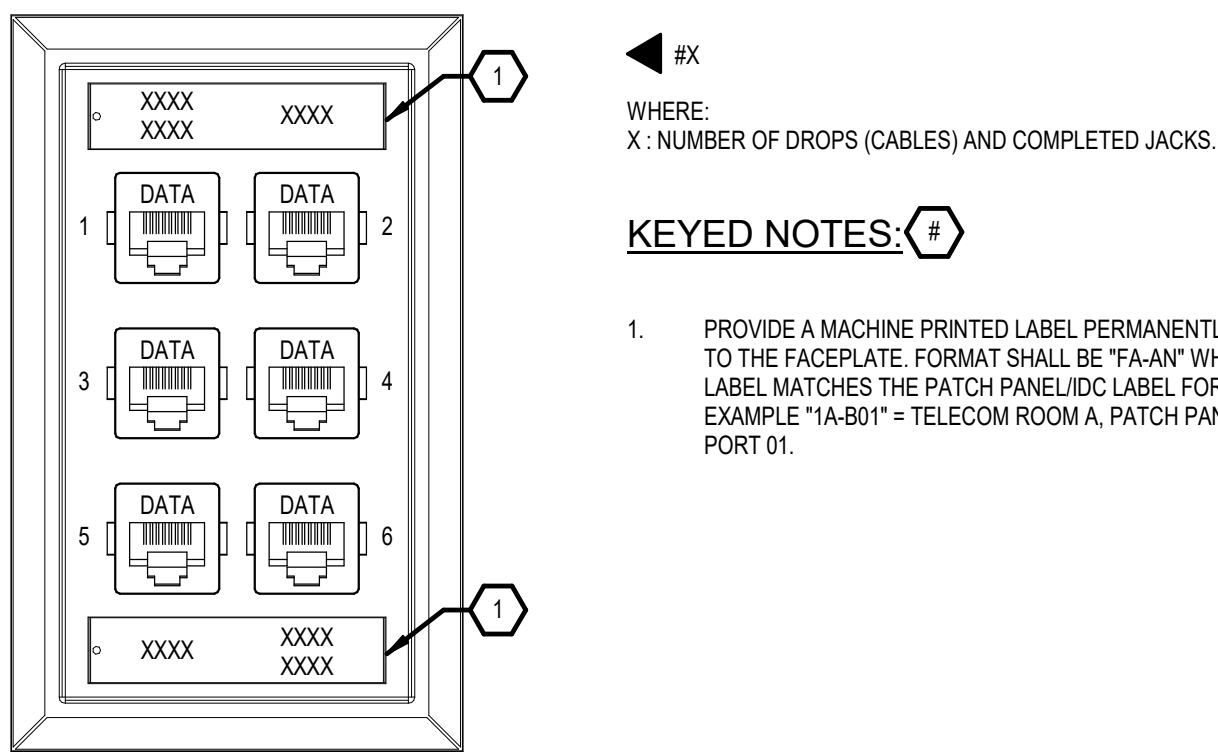


NOTE:

1. MOUNT J-HOOKS SUCH THAT CABLE IS A MINIMUM OF 3" ABOVE FINISHED CEILING.

3 TYPICAL STRUCTURE MOUNTED J-HOOK DETAIL

SCALE: NTS

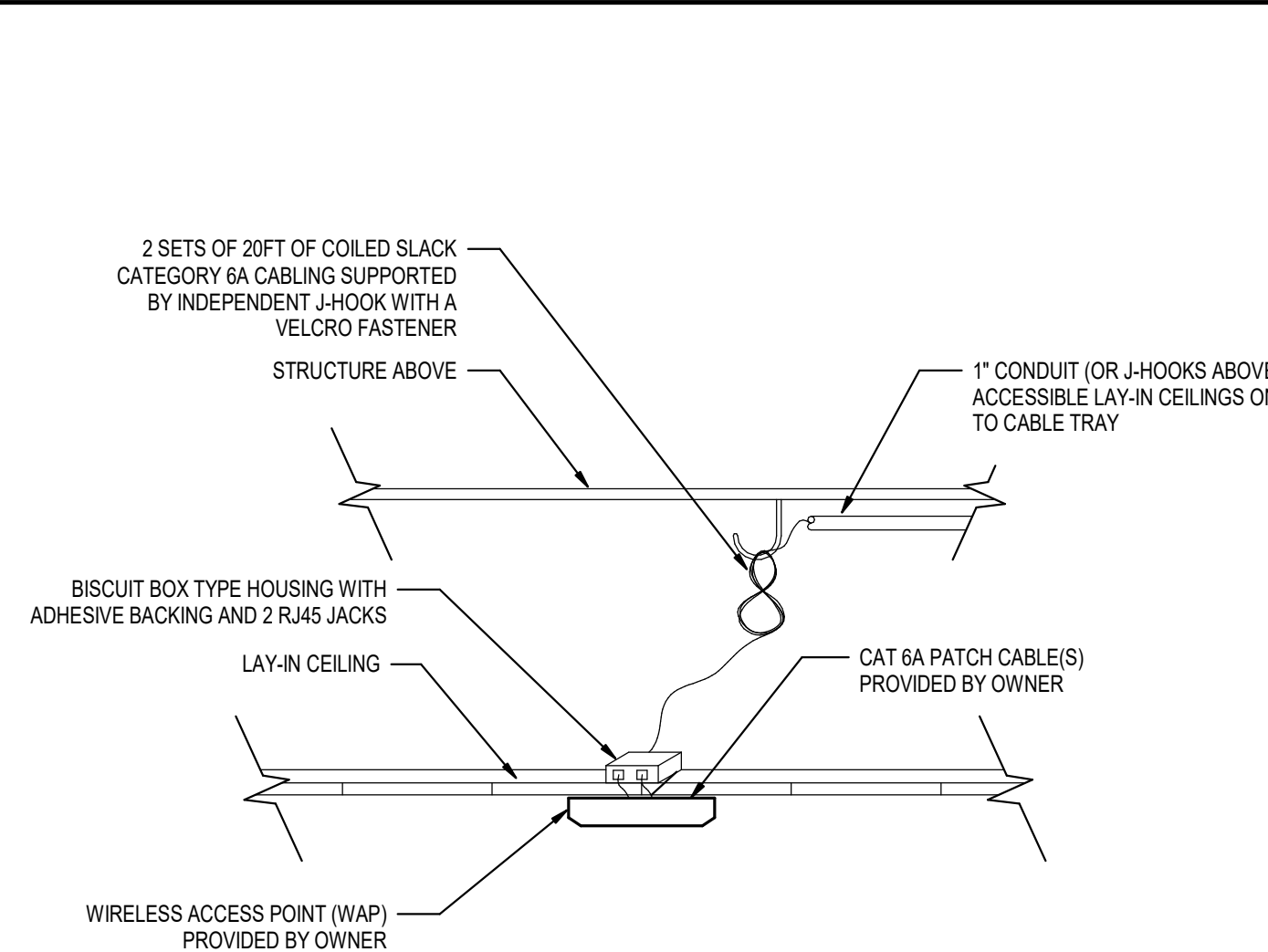


GENERAL NOTES:

1. THE DETAILS INDICATED ON THE DRAWINGS ARE NOT INTENDED TO IMPLY SPECIFIC MANUFACTURERS OR OUTLET TYPES. THEY ARE MERELY INTENDED TO DESCRIBE THE DESIGN INTENT. THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS MAY BE USED. IT IS UNDERSTOOD THAT EQUIPMENT MAY VARY SLIGHTLY BY MANUFACTURER.
2. REFER TO OUTLET DETAILS FOR ALL PORT QUANTITIES AND FACEPLATE TYPES.

5 OUTLET LABELING REQUIREMENTS KEY PLAN

SCALE: NTS



7 HARD LID DROPPED CEILING MOUNTED WAP DETAIL

SCALE: NTS

CABLE JACKET / JACK COLORS:

- WIRELESS ACCESS POINT - GRAY
LIGHTING CONTROLS - WHITE
CCTV - PURPLE
INTERCOM / AV - YELLOW
DATA (STAFF, STUDENT, PROJECTOR / TV, PHONE) - BLUE
FIBER - BLUE

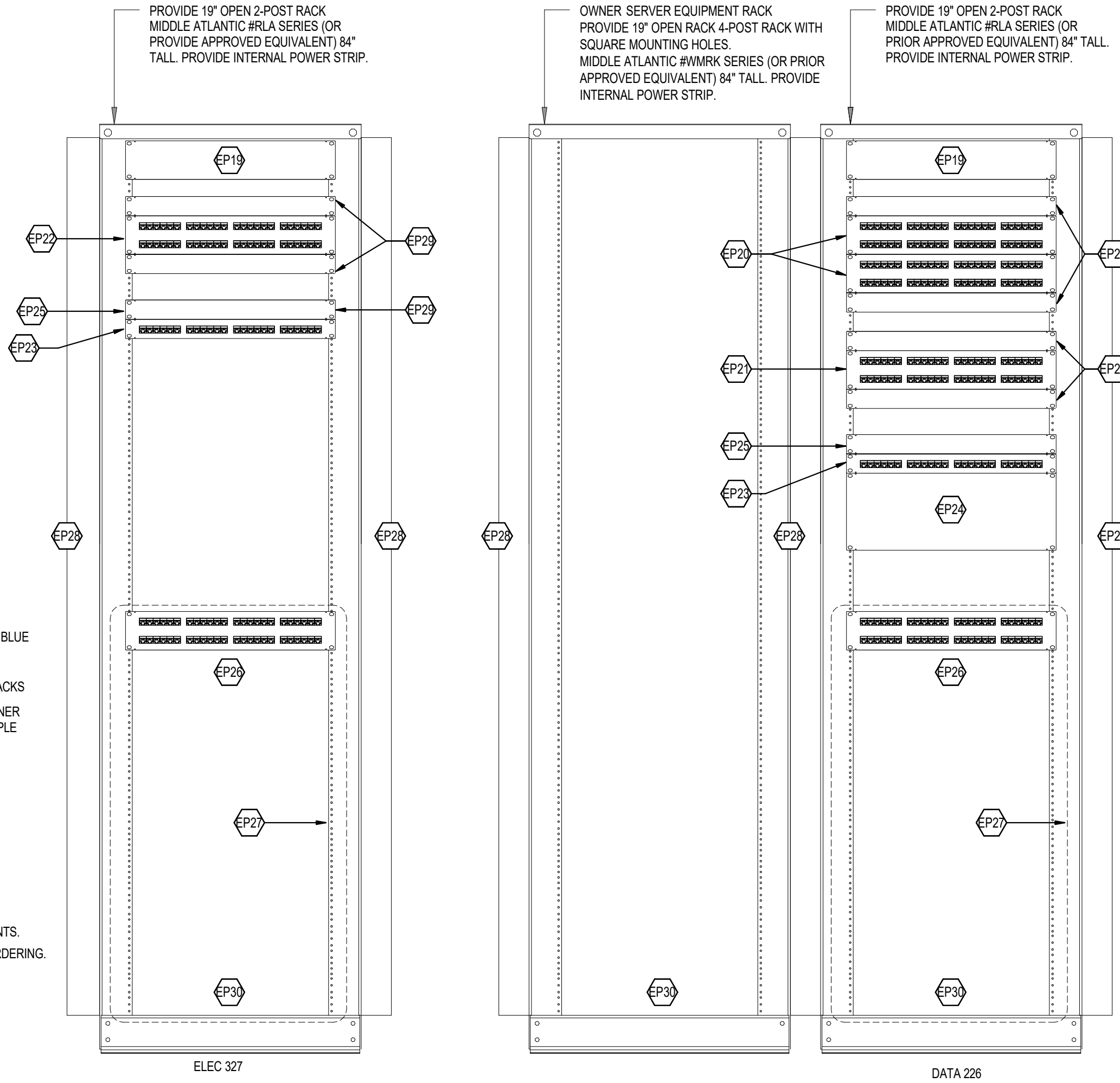
JACK COLORS APPLY TO PATCH PANEL AND FIELD JACKS
ALL JACK COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO ORDERING. SEE SPECIFICATION FOR SAMPLE REQUIREMENTS.

PATCH CABLE (MDF / IDF) COLORS:

- WIRELESS ACCESS POINT - GRAY
CCTV - PURPLE
INTERCOM / AV - YELLOW
DATA - BLUE
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
CONFIRM ALL LENGTHS WITH THE OWNER PRIOR ORDERING.

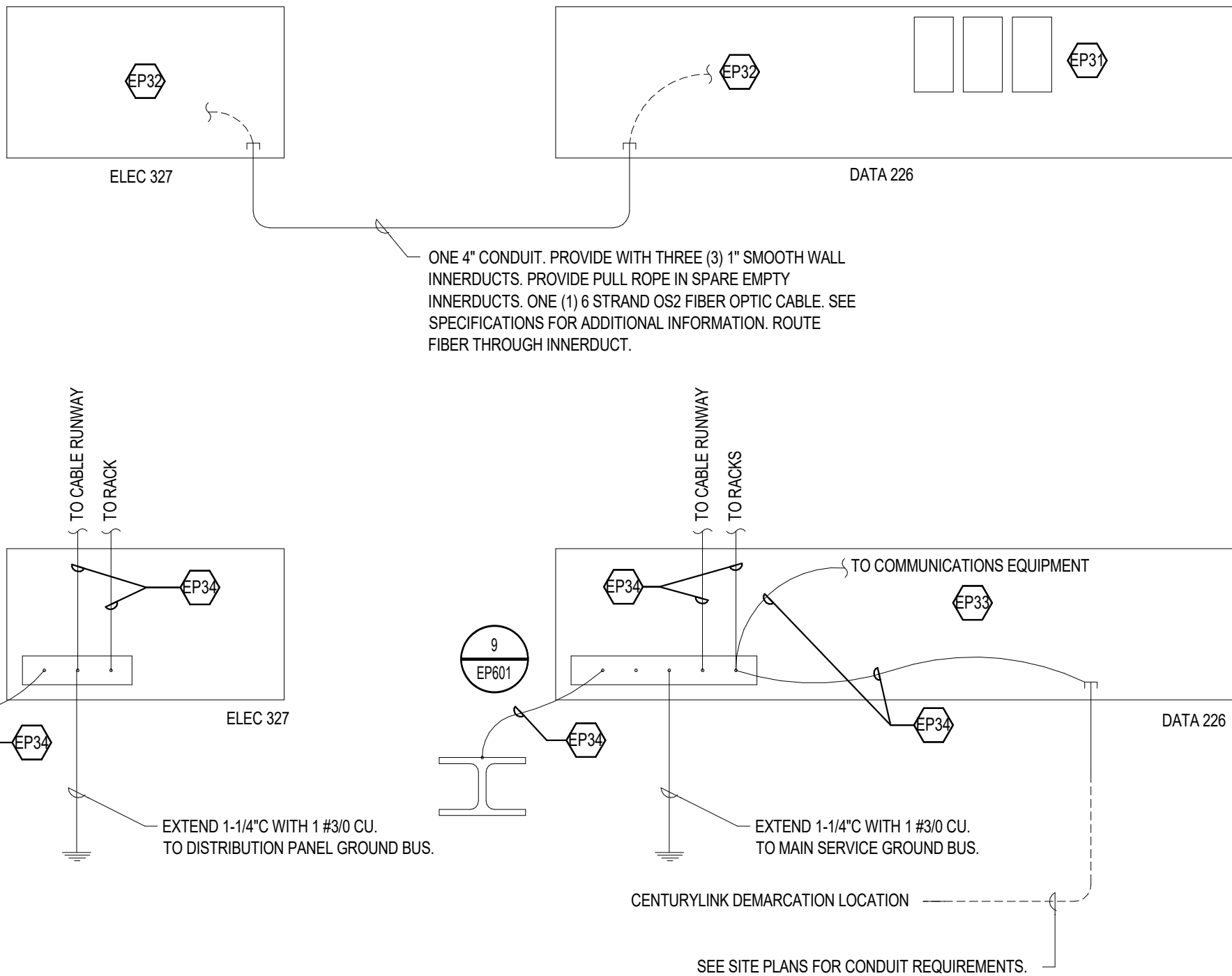
FIBER OPTIC CONNECTORS:

LC TYPE



1 RACK DETAILS

SCALE: NONE



2 GROUNDING, CONDUIT AND BACKBONE RISER DIAGRAM

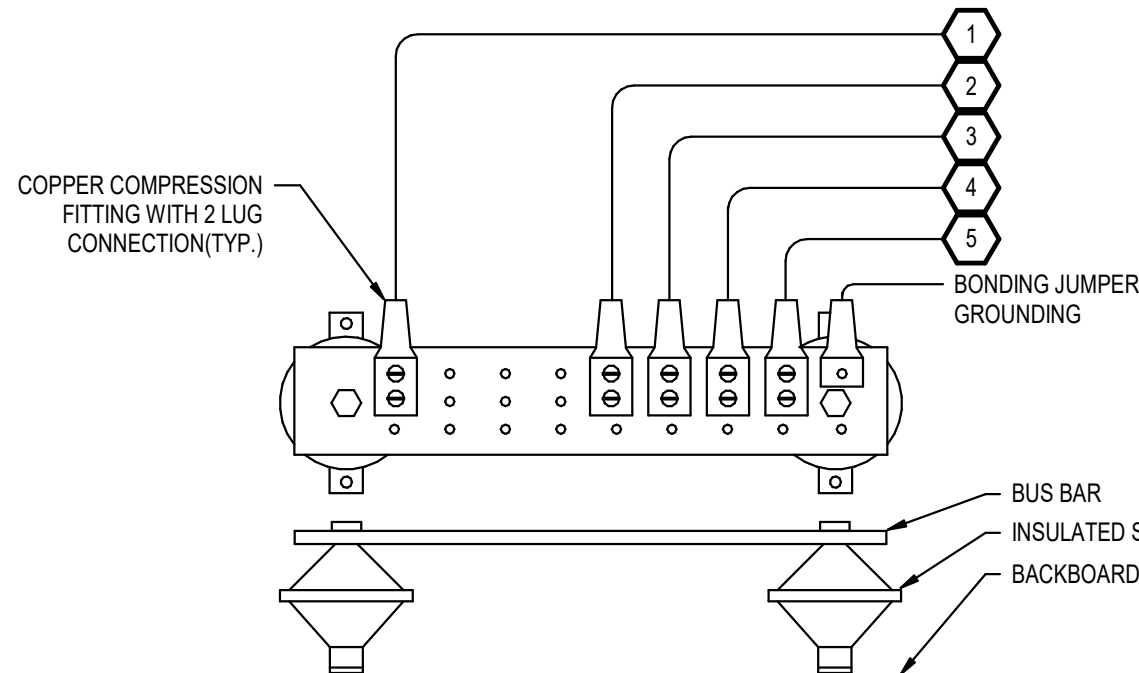
SCALE: NONE

NOTE:

1. THE GROUND BUS BAR WILL BE PROVIDED AS PART OF THE BASE PROJECT.
2. THIS DETAIL SHOWS WHAT IS TYPICAL TO BOND TO THE GROUND BUS BAR IN EACH COMMUNICATIONS CLOSET OR DISTRIBUTION ROOM.
3. PROVIDE CONNECTION TO GROUND BUS BAR WITH DOUBLE HOLE TERMINAL BLOCKS.
4. PROVIDE GROUND WIRE ACCORDING TO GROUND WIRE LENGTH CHART.
5. PROVIDE GREEN STRANDED GROUND CONDUCTORS WITH SIZES AS INDICATED.

KEYED NOTES:

1. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH CONDUIT, WATER PIPE, AND DUCT ENTERING ROOM.
2. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH COMPUTER OR TELECOMMUNICATIONS CABINET, RACK, OR FRAME. DO NOT BOND RACKS, CABINETS, AND FRAMES SERIALLY.
3. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH LADDER, CABLE TRAY, AND CABLE WIREWAY IN OR ENTERING THE ROOM.
4. 4 AWG OR LARGER BONDING CONDUCTOR TO EXPOSED BUILDING STEEL IN THE ROOM.
5. 6 AWG OR LARGER BONDING CONDUCTOR TO HVAC EQUIPMENT.



10 BONDING TO TELECOM GROUND BUS BAR DETAIL

SCALE: NTS

HORIZONTAL CABLING GENERAL NOTES:

1. THE DATA SYSTEM INTEGRATOR AND ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST (SHORTEST) ROUTING. ALL UTP CABLING SHALL MEET THE LENGTH REQUIREMENTS AS REQUIRED BY BICSI AND MANUFACTURE AND SHALL NOT EXCEED 100 METERS IN LENGTH FROM THE SWITCH TO THE FIELD EQUIPMENT LOCATION.
2. CONTRACTOR SHALL SCHEDULE A PRE-INSTALL MEETING WITH THE OWNER'S IT MANAGER AND ENGINEER FOR REVIEW OF THE INSTALLATION OF THE SYSTEM PRIOR TO ANY ROUGH-IN AND PRIOR TO SUBMITTAL SUBMISSION. IF THE CONTRACTOR DOES NOT SCHEDULE A PRE-INSTALL MEETING, THE CONTRACTOR SHALL MAKE ANY AND ALL CHANGES TO THE SYSTEM AS DIRECTED BY THE OWNER AT NO ADDITIONAL COST.
3. CONTRACTOR IS RESPONSIBLE FOR TESTING ALL CABLES AND CONNECTIONS TO ENSURE EIA/TIA STANDARDS ARE MET. PROVIDE A WRITTEN REPORT TO OWNER FOR EACH CABLE TESTED.
4. USE UL-LISTED PLENUM CABLE THROUGHOUT THE ENTIRE SYSTEM, EXCEPT IN WET SLAB ON GRADE LOCATIONS OSP CABLE (NON PLENUM CABLE) TO BE USED. ALL OSP CABLES TO BE RAN IN CONDUIT AND MUST BE TERMINATED NO FURTHER THAN 50' FROM EXISTING SAID CONDUIT.
5. THE DATA/COMM. SYSTEM INTEGRATOR SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE DATA/COMM. SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CABLE TYPES. TYPICAL RISERS WILL NOT BE ACCEPTED.
6. ALL DATA AND COMMUNICATION CABLES SHALL BE TERMINATED AND LABELED AT BOTH ENDS PER SPECIFICATIONS.
7. ALL CABLING THAT IS NOT IN CONDUIT SHALL BE A MINIMUM OF 5' FROM ANY LIGHT FIXTURE.
8. WHERE CABLES ARE ROUTED IN ACCESSIBLE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS AT INTERVALS NOT EXCEEDING 30 INCHES (760 MM) ON CENTER. INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS.

TELECOMMUNICATIONS SYSTEM BONDING AND GROUNDING STANDARDS/GUIDELINES:

1. IF THERE IS A CONFLICT BETWEEN LOCAL SAFETY CODE, OWNER, OR THE MANUFACTURERS REQUIREMENTS, THE CONFLICT SHOULD BE RESOLVED WITH THE A/E BEFORE PROCEEDING.
2. ENTRANCE FACILITY (EF) MUST CONTAIN THE TMGB (4" WIDE 1/4" THICK AND NO LESS THAN 12" IN LENGTH) THIS WILL SERVE AS THE DEDICATED EXTENSION OF THE BUILDING AC GROUNDING ELECTRODE SYSTEM FOR THE TELECOM INFRASTRUCTURE.
3. THE PLACEMENT OF THIS BUSBAR MUST BE IN CLOSE PROXIMITY TO THE PRIMARY/SECONDARY SURGE PROTECTION, CABLE SHEATHS, AND ENTRANCE CONDUITS.
4. TELECOM ROOMS MUST CONTAIN TGBS (2" WIDE 1/4" THICK, AND NO LESS THAN 12" IN LENGTH).
5. EACH TGB OR TMGB MUST HAVE AN EFFECTIVE BONDING CONNECTION TO THE NEAREST APPROVED BUILDING GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING SYSTEM.
6. THE INSTALLATION OF THE TELECOM BONDING BACKBONE CONDUCTOR (CONNECTORS THE TMGB TO THE TGBS AND SHOULD BE RUN AS SHORT AND STRAIGHT AS POSSIBLE AND SHALL BE CONTINUOUS THROUGH ALL ROOMS.
7. ALL METALLIC CABLE TRAYS MUST BE GROUNDED, MARKED AND ALL SECTIONS BONDED IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS AND REGULATIONS.
8. BICSI TDM AND TIA-607-C REQUIREMENTS SHALL BE FOLLOWED. SEE SPECIFICATION SECTION 270526 GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS.

GENERAL NOTES:

1. PROVIDE GROUNDING AND BONDING OF IT ROOMS, SERVER ROOM, RACKS AND CABLE TRAY PER THE FOLLOWING STANDARDS AND REQUIREMENTS: ANSI / STD-607-A, ANSI/TIA/EIA-568-B-1.2, NEC, IEEE, BICSI AND OWNERS IT DEPARTMENT.
2. TERMINATE ALL CONDUITS WITH NYLON BUSHINGS ON BOTH ENDS.
3. PROVIDE A 6" SERVICE LOOP AT DEVICE ENDS.
4. PROVIDE A 10' SERVICE LOOP AT ALL EQUIPMENT ENDS.
5. PROVIDE 48 PORT PATCH PANEL AND ASSOCIATED WIRE MANAGEMENT IN QUANTITIES AND LOCATIONS AS MAY BE REQUIRED TO ACCOMMODATE JACKS/CABLES AS SHOWN ON THE ELECTRICAL DRAWINGS PLUS 10% SPARE.
6. TERMINATE ALL FIBERS USING LC TYPE CONNECTORS (UNLESS OTHERWISE DIRECTED BY THE OWNER) IN FIBER BREAKOUT BOX. CONTRACTOR SHALL TEST ALL FIBERS TO INSURE OWNER REQUIREMENTS ARE MET. IF A SINGLE FIBER FAILS THE TEST THE ENTIRE CABLE SHALL BE REPLACED WITH NEW.
7. CABLE SHALL BE PLENUM RATED.
8. ALL PATCH PANELS SHALL BE FULLY POPULATED. EMPTY SPACES IN PATCH PANELS WILL NOT BE ACCEPTED.

SHEET KEYNOTES

- EP19 FIBER OPTIC LIU, SIZE AS NECESSARY TO ACCOMMODATE ALL FIBER OPTIC CABLES CALLED OUT IN THE BACK BONE RISER DIAGRAM.
- EP20 48 PORT CAT. 6A PATCH PANEL FOR DATA. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
- EP21 48 PORT CAT. 6A PATCH PANEL FOR WIFI. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
- EP22 48 PORT CAT. 6A PATCH PANEL FOR DATA AND WIFI. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANEL REQUIRED FOR A COMPLETE INSTALLATION.
- EP23 24 PORT CAT. 6A PATCH PANEL FOR CCTV. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
- EP24 EXACO VISION NVR #P04-20T-R4A(RAID), 4U, RACKMOUNT IP CAMERA SERVER (A-SERIES), EXACO VISION SOFTWARE (PROFESSIONAL) WINDOWS OS, PRE-INSTALL (ONE FOR EACH CAMERA + TWO EXTRA PRE-INSTALL IP CAMERA LICENSES), 1 TO 64 IP CAMERA INPUTS, INCLUDING GIGABIT NIC, SERVER-CLASS HARD DRIVES, UNIVERSAL POWER SUPPLY, 16 GB RAM, 3-YEAR WARRANTY AND SOFTWARE SUBSCRIPTION. CCTV SYSTEM SUPPLIER TO SUBMIT SERVER CALCULATIONS OF ACTUAL SERVER SIZE REQUIRED TO HANDLE CAMERAS SHOWN WITH BACK UP TIME AS REQUIRED BY THE OWNER (MIN 30 DAYS). SERVER SIZE SHALL BE ADJUSTED BASED ON THE SERVER CALCULATION.
- EP25 1 GIG SWITCH, SIZE TO ACCOMMODATE ALL CAMERAS IN RACK.
- EP26 48 PORT CAT. 6A PATCH PANEL FOR INTERCOM. PATCH PANEL IS PROVIDED BY THE DATA CONTRACTOR. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
- EP27 SPACE RESERVED FOR AV AND INTERCOM EQUIPMENT.
- EP28 VERTICAL WIRE MANAGER, PROVIDE MIDDLE ATLANTIC #VCD SERIES SINGLE DUST WIRE MANAGEMENT (OR PRIOR APPROVED EQUIVALENT).
- EP29 OWNER PROVIDED ACTIVE EQUIPMENT.
- EP30 MECHANICALLY FASTEN RACK TO FLOOR A MINIMUM FOUR (4)
- EP31 EQUIPMENT PROVIDED BY COMMUNICATIONS PROVIDER.
- EP32 TERMINATE ALL FIBER OPTIC CABLES IN THE DATA RACK IN THE FIBER OPTIC LIU. CONTRACTOR SHALL TEST ALL CABLES. IF A SINGLE CABLE FAILS THE TESTING THE ENTIRE CABLE SHALL BE REPLACED WITH NEW.
- EP33 COORDINATE REQUIREMENTS WITH LUMEN.
- EP34 PROVIDE A #6 MINIMUM GROUNDING CONDUCTOR TO LOCATIONS AS SHOWN.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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COMMUNITY SCHOOL

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MAPLETON, UT

Revisions

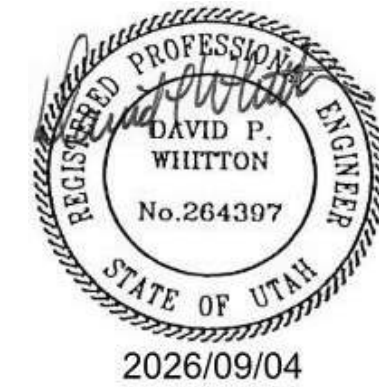
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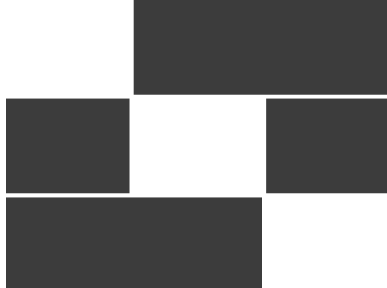


Sheet Title

DATA RISERS AND
DETAILS

Sheet Number

EP601



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

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Sheet Title

PANEL SCHEDULES

Sheet Number

EP801

DISTRIBUTION PANEL: "HDP"

VOLTS/PHASE/WIRE: 480/277 V, 3 PH, 4 WIRE				MAIN SIZE & TYPE: 500 AMP/ERE MAIN LUGS/		FED FROM: SES		LOCATION: ELECTRICAL 231		NEMA: NEMA 1				
NOTES:						AIC RATING: 0								
			LOAD (kVA)						PHASE LOAD (kVA)					
CKT	AMP	POLE	LTG	PWR	CO	PANEL / EQUIPMENT			A	B	C			
1	100	3	7.7	0.0	0.0	PANEL 1H1			3.4	3.2	1.7			
2	100	3	5.1	0.0	0.0	PANEL 2H1			2.1	1.0	2.0			
3	300	3	0.0	147.6	0.0	PANEL 2M1			49.2	49.2	49.2			
4	250	3	0.1	104.3	83.0	TRANSFORMER T1			61.3	61.9	64.2			
5	80	3	0.0	28.2	0.0	ELEVATOR			9.4	9.4	9.4			
6	--	1	0.0	0.0	0.0	SPACE			--	--	--			
7	--	1	0.0	0.0	0.0	SPACE			--	--	--			
8	--	1	0.0	0.0	0.0	SPACE			--	--	--			
9	--	1	0.0	0.0	0.0	SPACE			--	--	--			
10	--	1	0.0	0.0	0.0	SPACE			--	--	--			
11	--	1	0.0	0.0	0.0	SPACE			--	--	--			
12	--	1	0.0	0.0	0.0	SPACE			--	--	--			
TOTALS:									CONNECTED kVA PER PHASE			125.4	124.7	126.5
									CONNECTED AMPS PER PHASE			453	450	457
									TOTAL CONNECTED kVA =			376.6		
									AVERAGE CONNECTED AMPS PER PHASE =			453		
NEC DIVERSIFIED LOAD CALCULATIONS														
LIGHTING & CONTINUOUS LOADS: 12.9 kVA @ 125% = 16.2 kVA														
RECEPTACLES: 83.0 kVA @ 56% = 46.5 kVA														
ALL OTHER LOADS @ 100%: 287.3 kVA														
- 100% CONNECTED LOAD PLUS 25%														
- FIRST 10kVA @ 100%, REMAINDER @ 50%														
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC														
TOTAL DIVERSIFIED kVA = 350.5														
AVERAGE AMPS PER PHASE = 422														

DISTRIBUTION PANEL: "LDP"

VOLTS/PHASE/WIRE:				MAIN SIZE & TYPE:		FED FROM:		LOCATION:		NEMA:				
120/208V 3 PH 4 WIRE				600 AMPERE MAIN CB/		T1		ELECTRICAL 231		NEMA 1				
NOTES:						AIC RATING: 0								
NO.		OCP		LOAD (kVA)		PHASE LOAD (kVA)								
CKT	AMP	POLE	LTG	PWR	CO	PANEL / EQUIPMENT								
1	150	3	0.1	5.5	21.6	PANEL 1L1								
2	150	3	0.0	5.0	20.3	PANEL 1L2								
3	150	3	0.0	4.6	25.9	PANEL 2L1								
4	150	3	0.0	4.6	15.2	PANEL 2L2								
5	150	3	0.0	55.7	0.0	PANEL 2L3								
6	100	3	0.0	28.8	0.0	FUTURE GREEN HOUSE								
7	--	1	0.0	0.0	0.0	SPACE								
8	--	1	0.0	0.0	0.0	SPACE								
TOTALS:						CONNECTED KVA PER PHASE						61.3	61.9	64.2
						CONNECTED AMPS PER PHASE						511	516	535
						TOTAL CONNECTED KVA =						167.3		
						AVERAGE CONNECTED AMPS PER PHASE =						520		
NEC DIVERSIFIED LOAD CALCULATIONS														
LIGHTING & CONTINUOUS LOADS: 0.1 kVA @ 125% = 0.1 kVA						100% CONNECTED LOAD PLUS 25%						TOTAL DIVERSIFIED KVA = 158.1		
RECEPTACLES: 83.0 kVA @ 56% = 46.5 kVA						FIRST 10kVA @ 100%, REMAINDER @ 50%						AVERAGE AMPS PER PHASE = 439		
ALL OTHER LOADS @ 100%: 111.5 kVA						MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC								

DISTRIBUTION PANEL: "SES"

VOLTS/PHASE/WIRE:				MAIN SIZE & TYPE:		FED FROM:		LOCATION:		NEMA:				
480/277 V, 3 PH, 4 WIRE				1200 AMPERE MAIN CB/		UTILITY XFMR				NEMA 3R				
NOTES:				AIC RATING: 65000										
			LOAD (kVA)											
CKT NO	AMP	POLE	LTG	PWR	CO	PANEL / EQUIPMENT			PHASE LOAD (kVA)					
						A	B	C						
1	400	3	3.2	59.2	8.8	PANEL BDP			23.0	23.2	25.0			
2	500	3	12.9	280.1	83.0	PANEL HDP			125.4	124.7	126.5			
3	400	3	0.0	266.0	0.0	FUTURE BUILDING ADDITION			88.7	88.7	88.7			
4	60	3	0.0	39.9	0.0	ROOF PV SYSTEM			13.3	13.3	13.3			
5	--	1	0.0	0.0	0.0	SPACE			--	--	--			
6	--	1	0.0	0.0	0.0	SPACE			--	--	--			
7	--	1	0.0	0.0	0.0	SPACE			--	--	--			
8	--	1	0.0	0.0	0.0	SPACE			--	--	--			
TOTALS:									CONNECTED kVA PER PHASE			250.4	249.9	253.5
									CONNECTED AMPS PER PHASE			904	902	915
									TOTAL CONNECTED kVA =			753.8		
									AVERAGE CONNECTED AMPS PER PHASE =			907		
NEC DIVERSIFIED LOAD CALCULATIONS														
LIGHTING & CONTINUOUS LOADS: 16.1 kVA @ 125% = 20.1 kVA														
RECEPTACLES: 91.8 kVA @ 55% = 50.9 kVA														
ALL OTHER LOADS @ 100%: 711.8 kVA														
- 100% CONNECTED LOAD PLUS 25%														
- FIRST 10kVA @ 100%, REMAINDER @ 50%														
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC														
TOTAL DIVERSIFIED kVA = 783.4														
AVERAGE AMPS PER PHASE = 942														

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Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

ELECTRICAL FIXTURE SCHEDULE

EQUIPMENT SCHEDULE KEY

E = DIVISION 26

Q = FURNISHED WITH EQUIPMENT

* = COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER

** = AUTOMATIC CONTROL WIRING BY DIVISION 23

NOTES:

1. NEMA 3R

2. TOGGLE SWITCH W/ THERMAL OVERLOAD

3. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP

4. CONTRACTOR TO PERFORM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS

5. TOGGLE SWITCH W/BACNET INTERFACE.

6. INDOOR UNITS FEED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.

7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY.

8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR".

9. LINE VOLTAGE THERMOSTAT ON WALL.

10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS.

11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR FAN HANDLER.

12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

ITEM NO.	QTY	DESCRIPTION	MOUNTING HEIGHT (AFF)	LOAD DATA				WIRE AND CONDUIT SIZE	CONNECTION TYPE			ELECTRICAL REMARKS	
				VOLT	PHASE	AMPS	KW		HP	FURN BY	DEVICE		LABEL
K12	3	HOLDING CABINET	+12"	120	1	18	2.2	-	2#10, 10GR	0.75" CND	E NEMA 5-20	-	
K13	3	REFRIGERATOR	+48"	120	1	9	1.1	-	2#12, 12GR	0.75" CND	E NEMA 5-20	-	
K14	3	HOT WELLS	+24"	208	1	23	4.9	-	2#10, 10GR	0.75" CND	E NEMA 5-20	-	
K16	1	COLD WELLS	+18"	208	1	15	3.1	-	2#12, 12GR	0.75" CND	E NEMA 5-20	-	
K21	1	WAREWASHER HEATER	+18"	208	3	27	9.7	-	3#8, 10GR	3/4" CND	E J-BOX	-	
K21.1	1	WAREWASHER MOTOR	+18"	208	3	54	19.4	-	3#8, 8GR	1 1/4" CND	E J-BOX	-	
K26	1	MILK COOLER	+18"	120	1	3	0.4	-	2#12, 12GR	0.75" CND	E NEMA 5-20	-	
K27	1	POINT OF SALE	+18"	120	1	10	1.2	-	2#12, 12GR	0.75" CND	E NEMA 5-20	-	

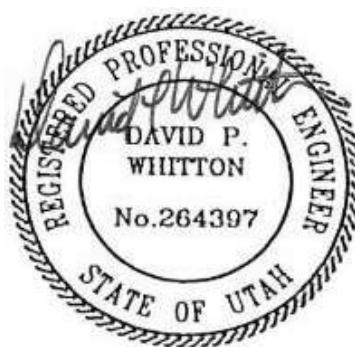
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COMMUNITY SCHOOL
**NEW CHARTER
SCHOOL CAMPUS**
MAPLETON, UT

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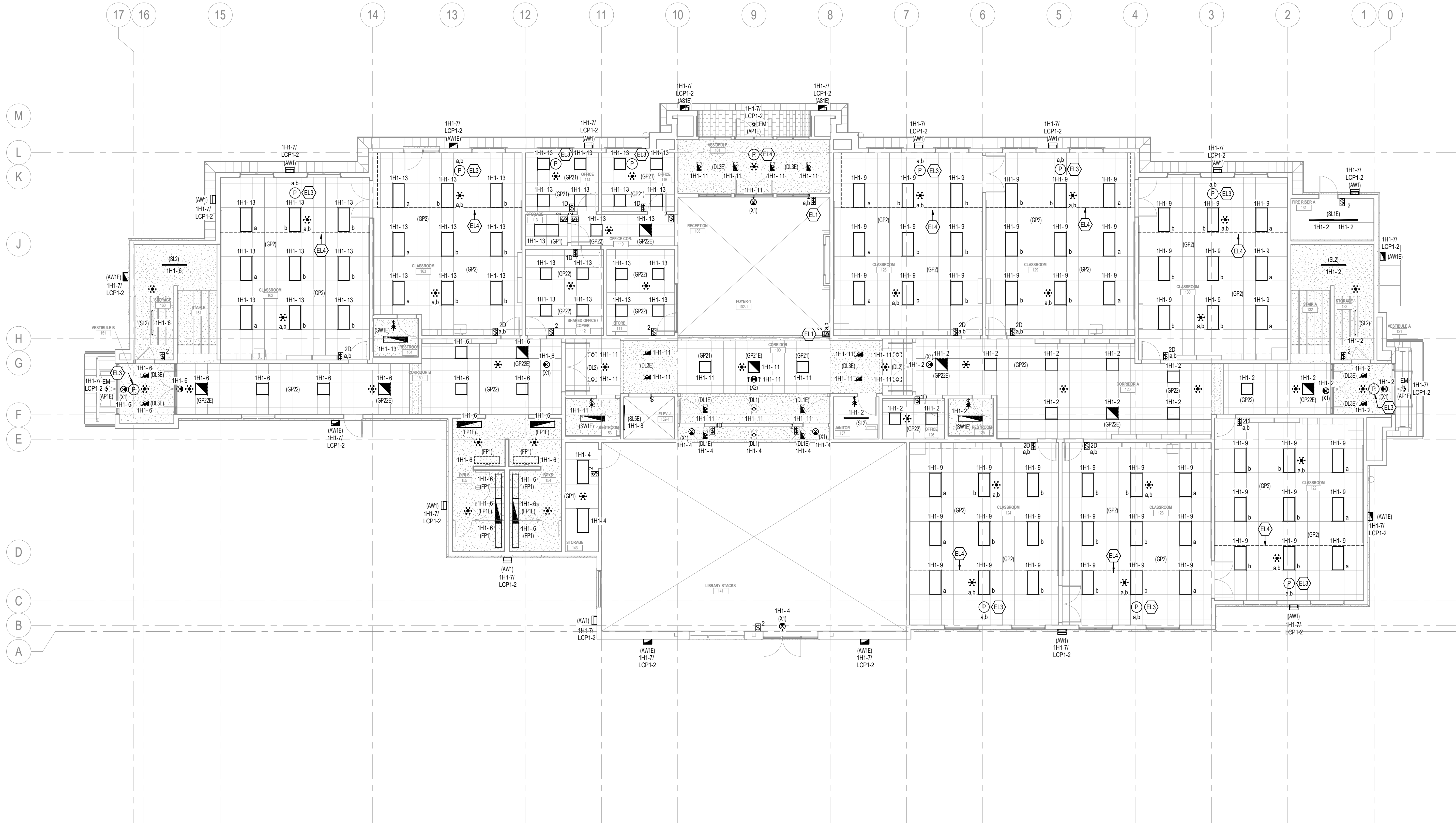
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Sheet Title

PANEL SCHEDULES

Sheet Number

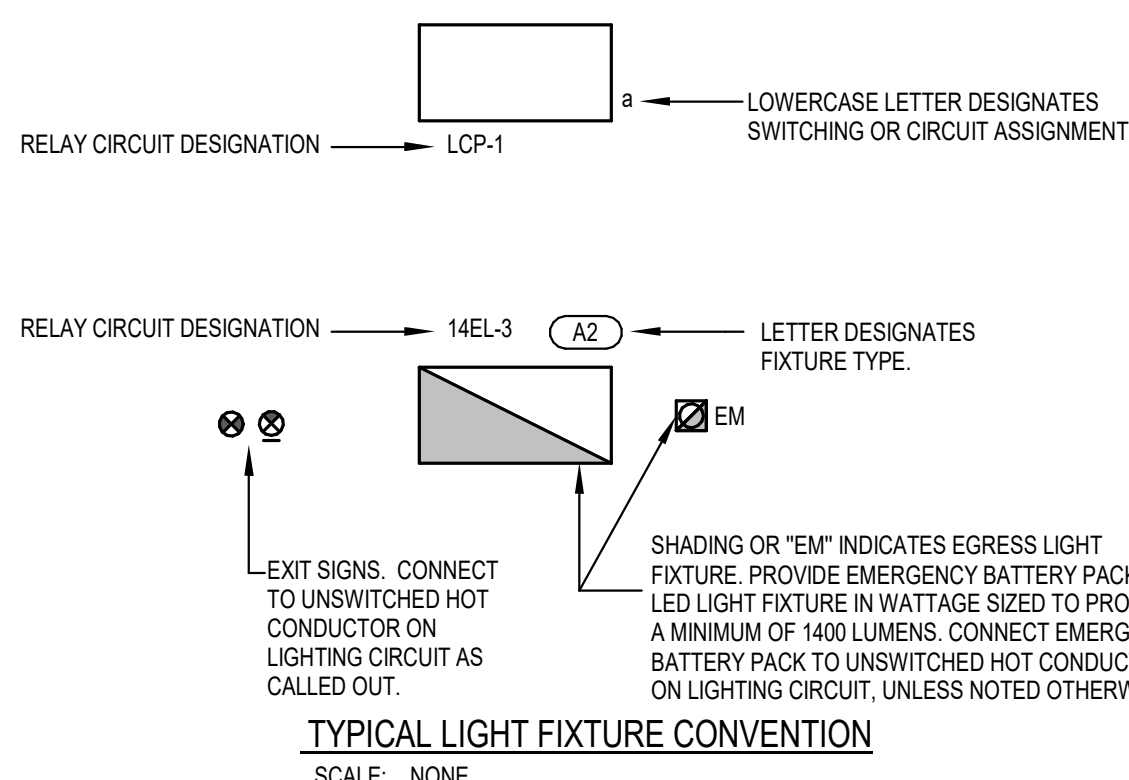
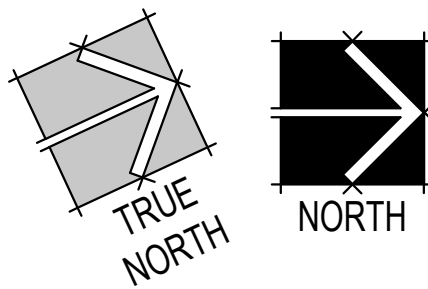
EP802



NOTES:

- SEE DETAILS SHEP502 FOR SWITCH RECEPTACLE COLOR REQUIREMENTS
- SWITCHED RECEPTACLES SHALL BE CONTROLLED BY THE LOCAL OCCUPANCY SENSOR(S) IN THE ROOM. COORDINATE ALL CONNECTIONS AND REQUIREMENTS WITH THE LIGHTING CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN OR WIRING INSTALLATION. SEE DETAILS SHEL603.

1 LEVEL 1 LIGHTING PLAN
10'-0" X 10'-0"



GENERAL SHEET NOTES

- ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. IN SPACES WITH OPEN CEILINGS PRIOR TO ROUGH-IN.
- DIGITAL LIGHTING CONTROL DIMMING/ROOM CONTROLLERS SHALL BE LOCATED ON THE WALL ABOVE THE DOOR FOR THE SPACE THEY SERVE WHERE POSSIBLE AND NEAR THE DOOR WHERE THIS IS NOT POSSIBLE. FOR LARGE COMMON SPACES OR EXTERIOR LIGHTING, THEY SHALL BE CENTRALLY LOCATED WITH THE ELECTRICAL ROOM.
- REFER TO STAIR LIGHTING SECTION SHEETS FOR ADDITIONAL INFORMATION AND QUANTITIES OF STAIRWELL FIXTURES.
- REFER TO LIGHTING/SPACE CONTROL TYPE SCHEDULES FOR WIRING DIAGRAMS OF EACH SPACE.
- COORDINATE FIRE RATED CONSTRUCTION AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS AND DETAILS.
- CIRCUIT ALL EXIT SIGNS TO UNSWITCHED LEG OF INDICATED CIRCUIT.
- SEE ARCHITECTURAL ELEVATIONS FOR INSTALLATION LOCATIONS FOR ALL LIGHT SWITCHES.
- CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.
- PROVIDE UNSWITCHED EMERGENCY HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING.
- ALL EXPOSED CONDUITS IN EXPOSED CEILING SHALL BE PAINTED TO MATCH. COLOR BY ARCHITECT.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE.

SHEET KEYNOTES

- EL1 LIGHTING CONTROLS FOR FOYER 102
- EL3 DAYLIGHT SENSOR. SENSOR TO DIM LIGHTS IN THE DAYLIGHT ZONE BASED ON AMBIENT LIGHTING LEVELS.
- EL4 LIGHTS ON THE WINDOW-SIDE OF THIS LINE ARE PART OF THE DAYLIGHT ZONE.



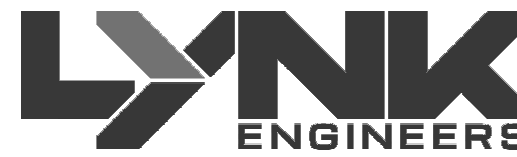
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

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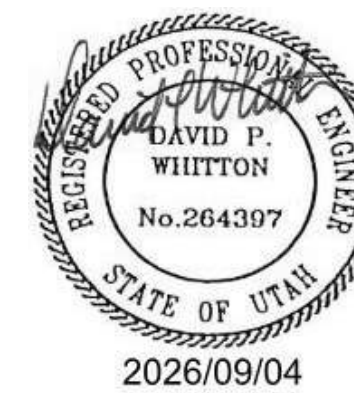
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Sheet Title

**LEVEL 1 LIGHTING
PLAN**

Sheet Number

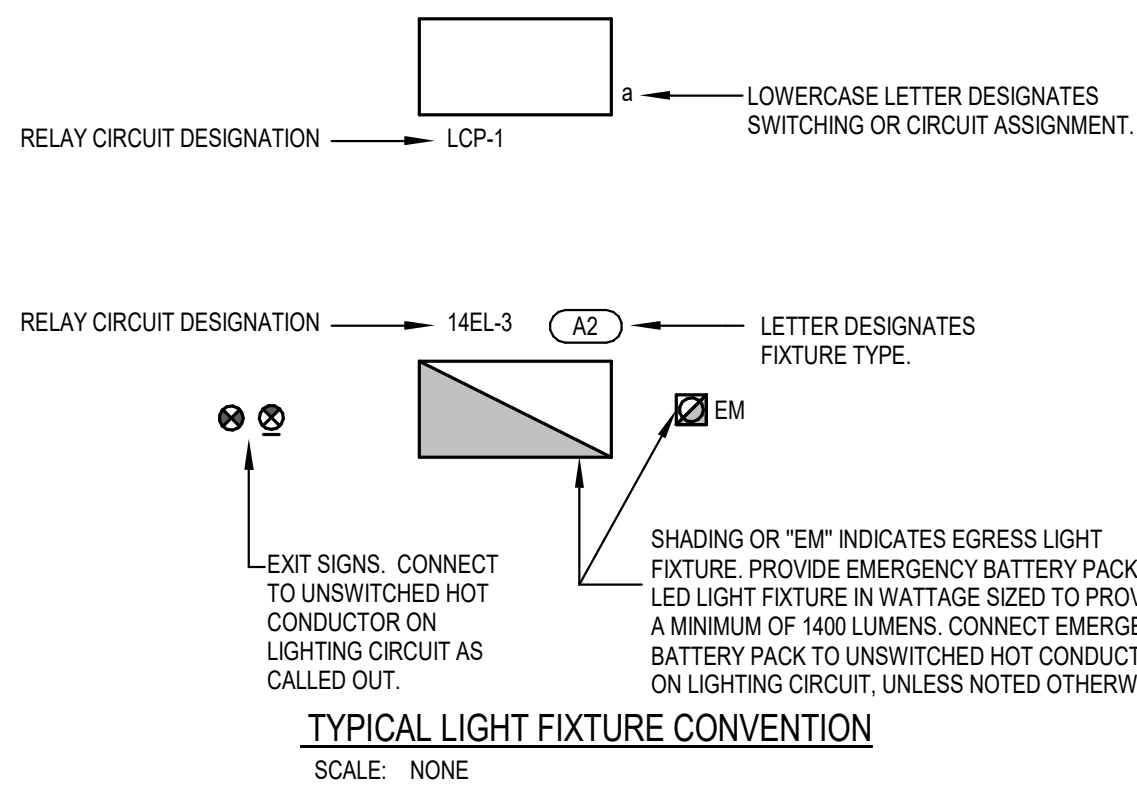
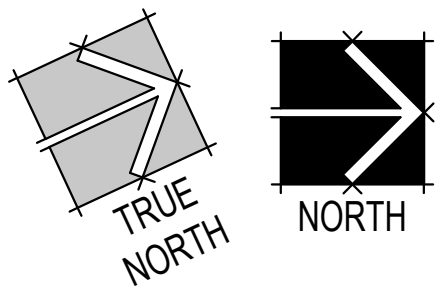
EL111



NOTES:

- SEE DETAILS S9EP502 FOR SWITCH RECEPTACLE COLOR REQUIREMENTS
- SWITCHED RECEPTACLES SHALL BE CONTROLLED BY THE LOCAL OCCUPANCY SENSOR(S) IN THE ROOM. COORDINATE ALL CONNECTIONS AND REQUIREMENTS WITH THE LIGHTING CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN OR WIRING INSTALLATION. SEE DETAILS S9EL603.

1 LEVEL 2 LIGHTING PLAN
1/8" = 1'-0"

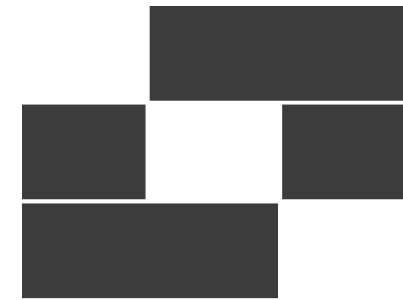


GENERAL SHEET NOTES

- ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. IN SPACES WITH OPEN CEILINGS PRIOR TO ROUGH-IN.
- DIGITAL LIGHTING CONTROL DIMMING/ROOM CONTROLLERS SHALL BE LOCATED ON THE WALL ABOVE THE DOOR FOR THE SPACE THEY SERVE WHERE POSSIBLE AND NEAR THE DOOR WHERE THIS IS NOT POSSIBLE. FOR LARGE COMMON SPACES OR EXTERIOR LIGHTING, THEY SHALL BE CENTRALLY LOCATED WITH THE ELECTRICAL ROOM.
- REFER TO STAIR LIGHTING SECTION SHEETS FOR ADDITIONAL INFORMATION AND QUANTITIES OF STAIRWELL FIXTURES.
- REFER TO LIGHTING/SPACE CONTROL TYPE SCHEDULES FOR WIRING DIAGRAMS OF EACH SPACE.
- COORDINATE FIRE RATED CONSTRUCTION AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS AND DETAILS.
- CIRCUIT ALL EXIT SIGNS TO UNSWITCHED LEG OF INDICATED CIRCUIT.
- SEE ARCHITECTURAL ELEVATIONS FOR INSTALLATION LOCATIONS FOR ALL LIGHT SWITCHES.
- CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.
- PROVIDE UNSWITCHED EMERGENCY HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING.
- ALL EXPOSED CONDUITS IN EXPOSED CEILING SHALL BE PAINTED TO MATCH COLOR BY ARCHITECT.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE.

SHEET KEYNOTES

- EL2 PROVIDE SENSOR FOR HIGH CEILING APPLICATIONS. GREATER THAN 20' ASSUME 22'-25' HIGH CEILINGS. MOUNT SENSOR WHERE IT HAS A CLEAR UNOBSTRUCTED VIEW OF THE ROOM.
- EL3 DAYLIGHT SENSOR. SENSOR TO DIM LIGHTS IN THE DAYLIGHT ZONE BASED ON AMBIENT LIGHTING LEVELS.
- EL4 LIGHTS ON THE WINDOW-SIDE OF THIS LINE ARE PART OF THE DAYLIGHT ZONE.



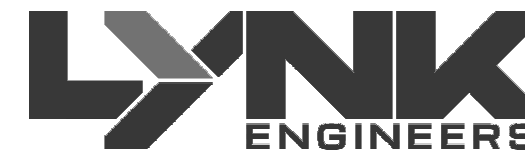
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

**LOUISA MAY ALCOTT
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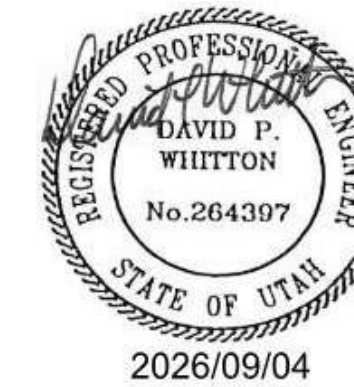
Revisions

Num.	Description	Date
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Project Number	126526
Original Issue	09/04/2026
Project Status	Permit & Bid Set

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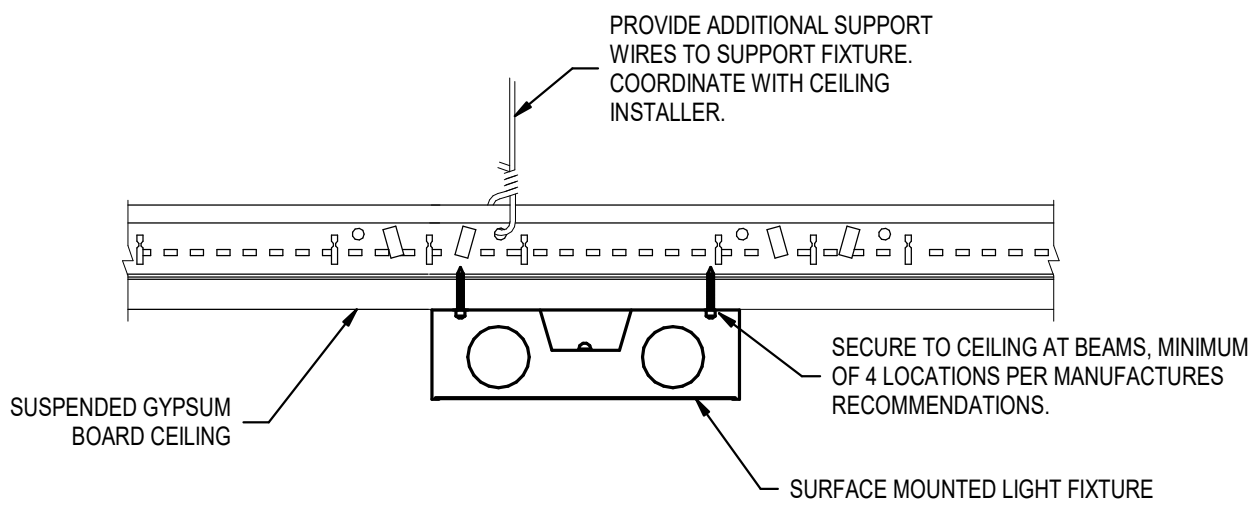


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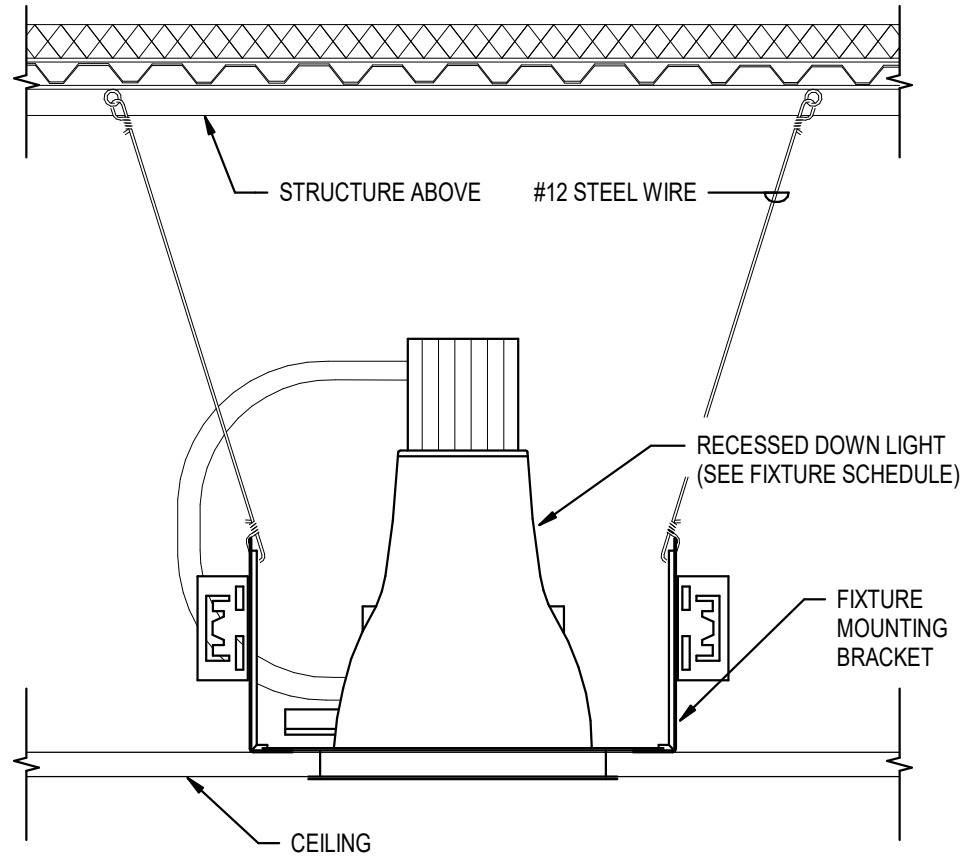
**LEVEL 2 LIGHTING
PLAN**

Sheet Number

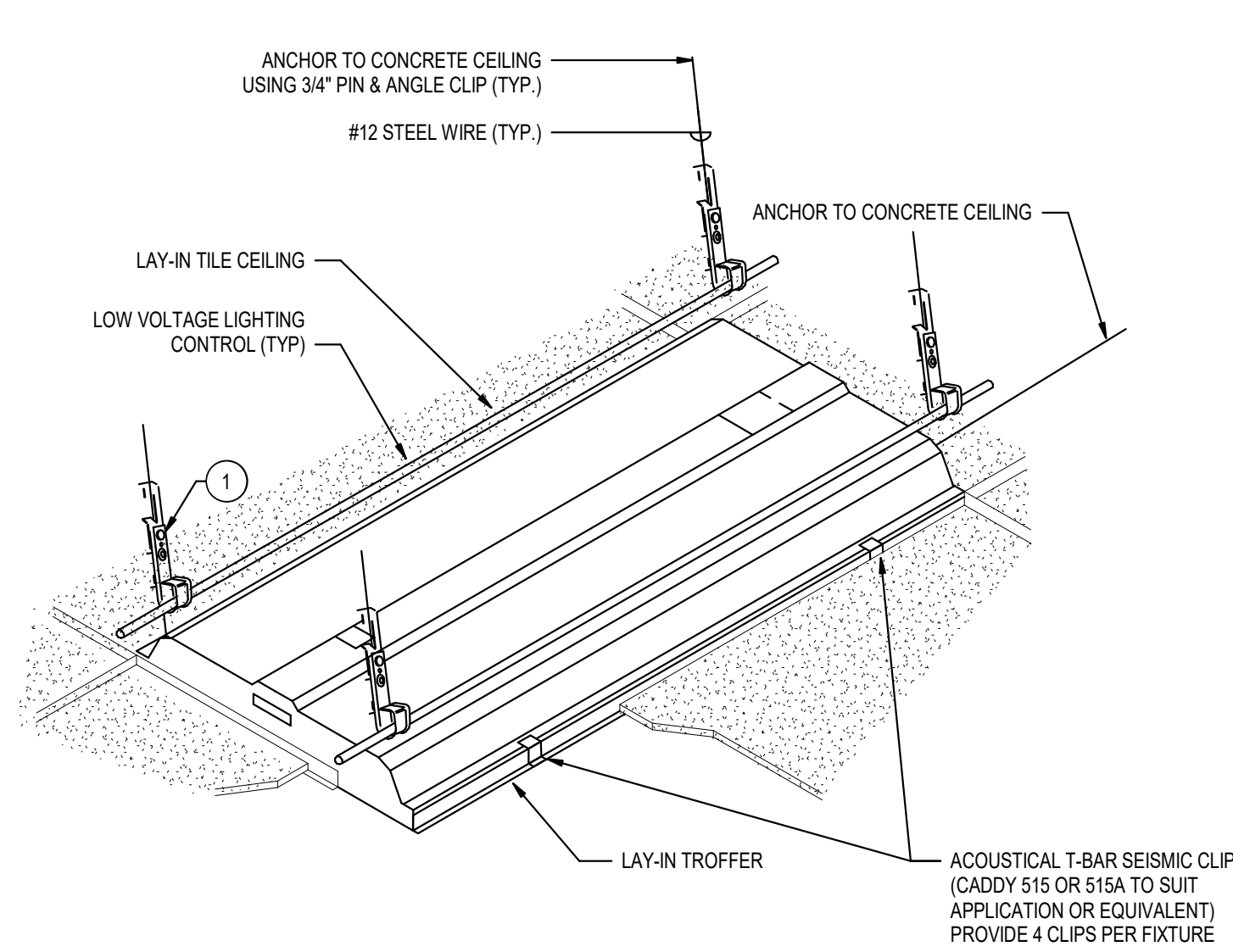
EL121



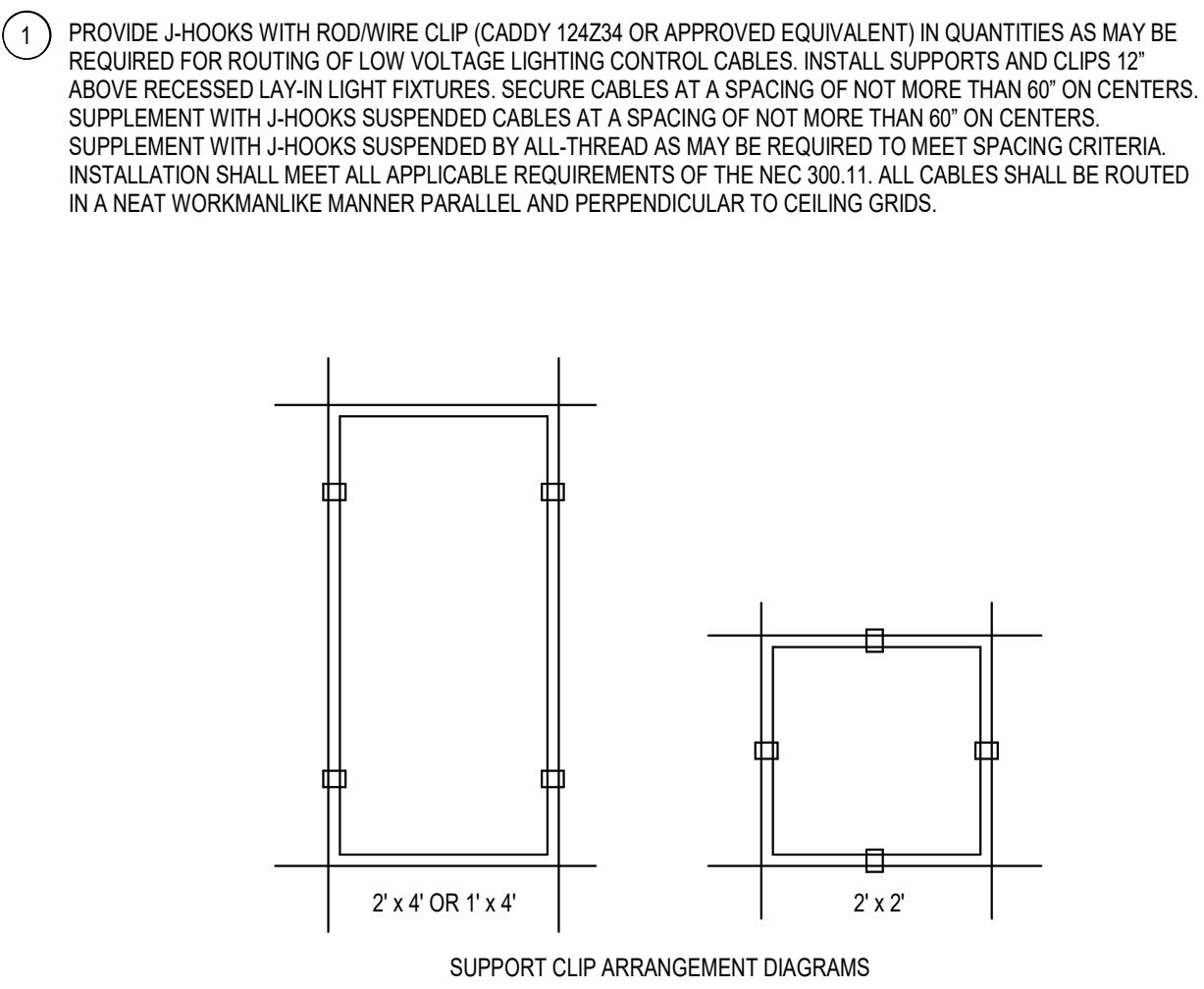
3 SUREFACE MOUNTED LIGHT FIXTURE DETAILS
SCALE: NTS



2 TYPICAL RECESSED DOWN LIGHT MOUNTING DETAIL
SCALE: NTS

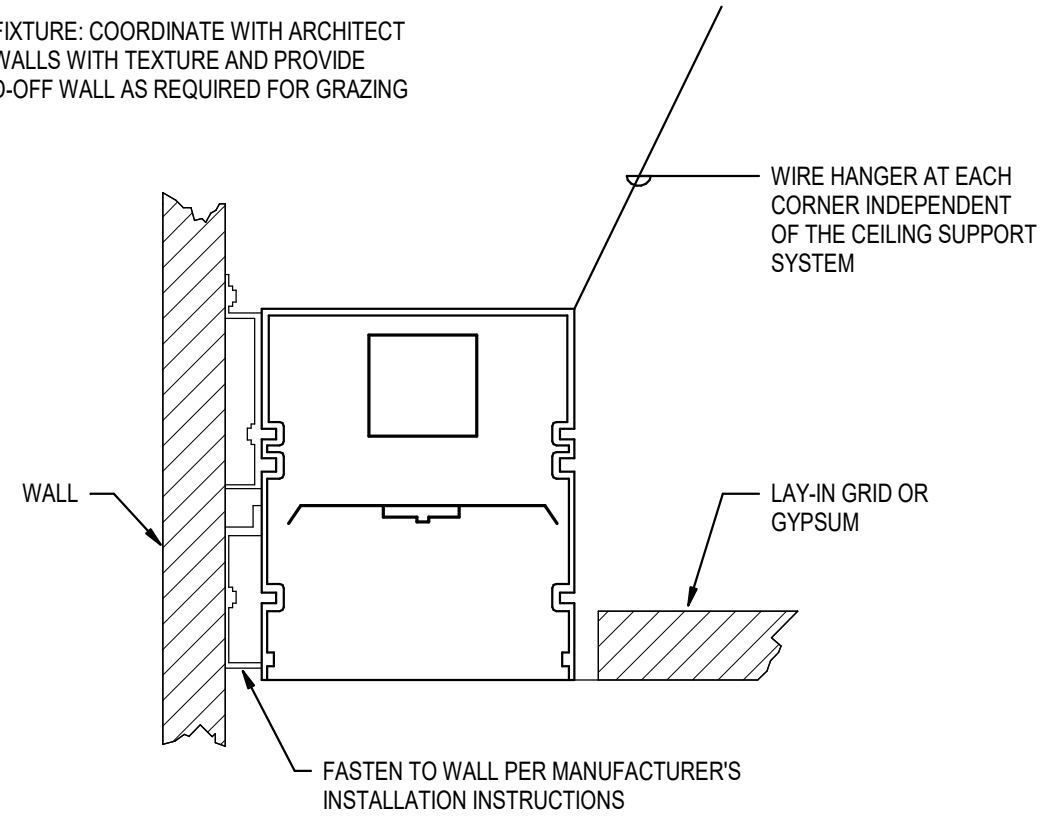


1 TYPICAL LAY-IN GRID LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS

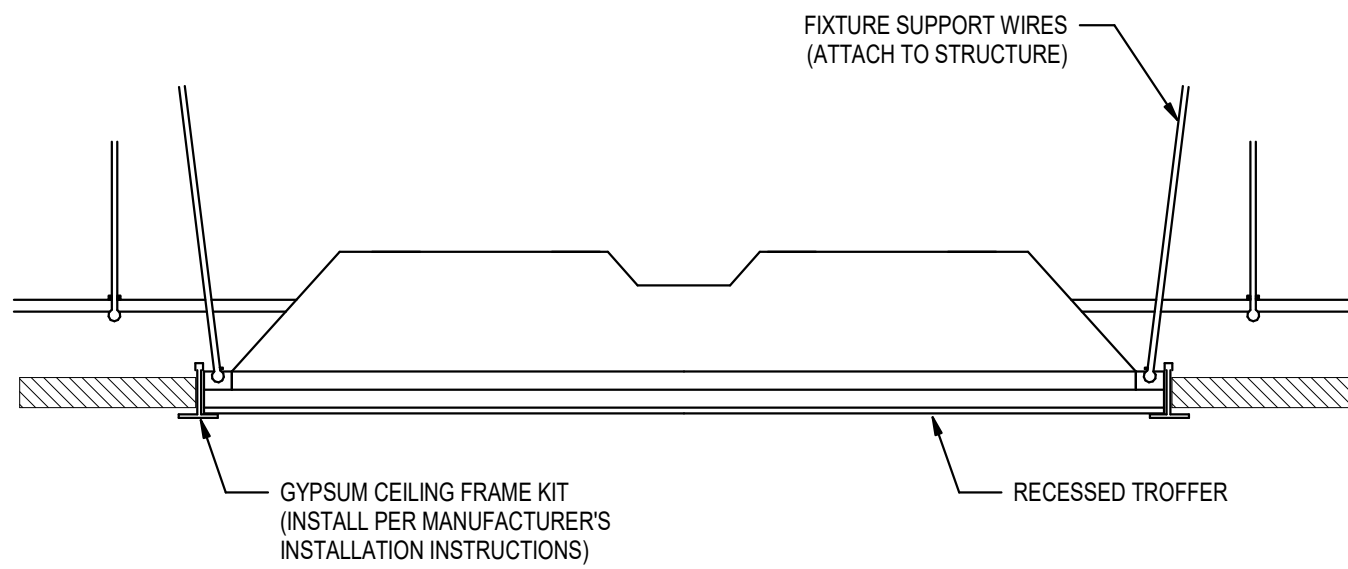


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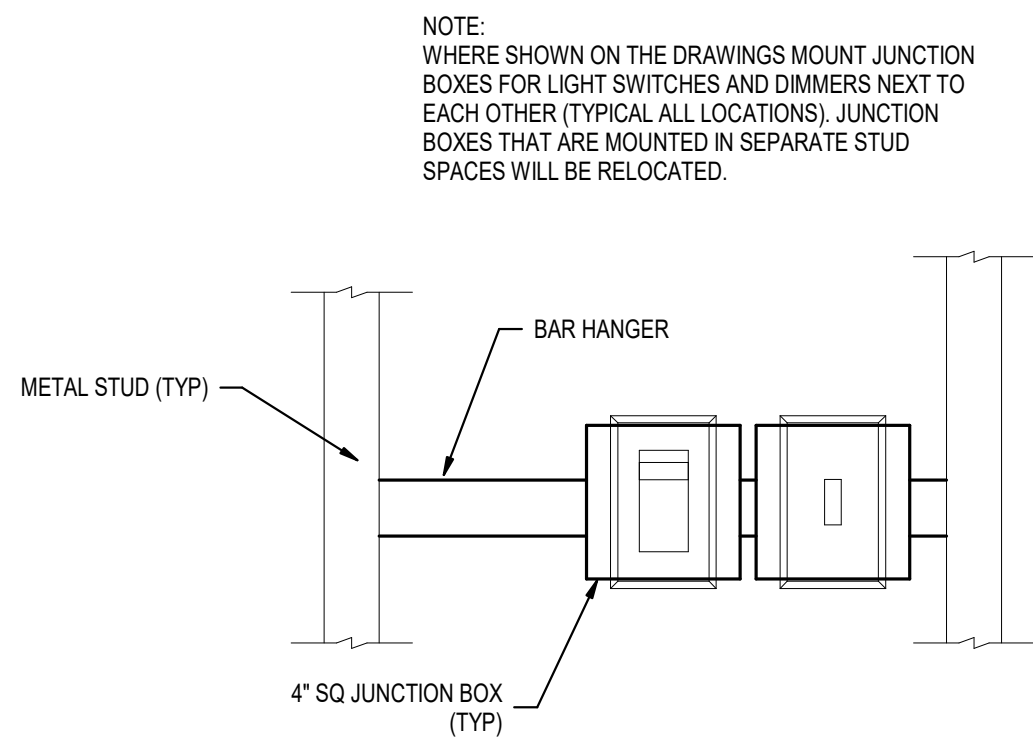
1. PERIMETER LIGHTING FIXTURE: MOUNT FIXTURE DIRECTLY TO WALL AS SHOWN.
2. GRAZING LIGHTING FIXTURE: COORDINATE WITH ARCHITECT FOR MOUNTING TO WALLS WITH TEXTURE AND PROVIDE BLOCKING TO STAND-OFF WALL AS REQUIRED FOR GRAZING TEXTURED WALL.



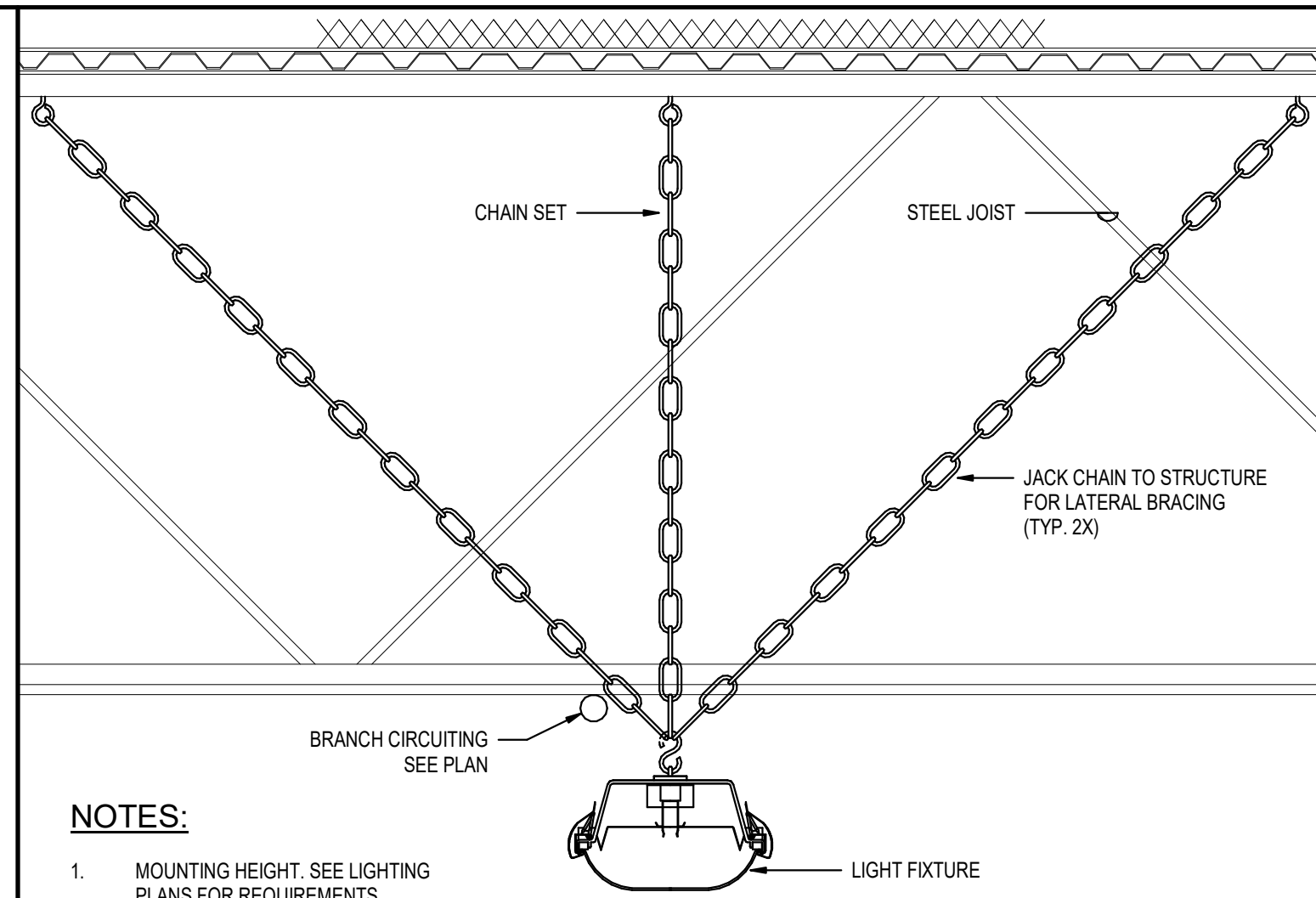
7 TYPICAL PERIMETER LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS



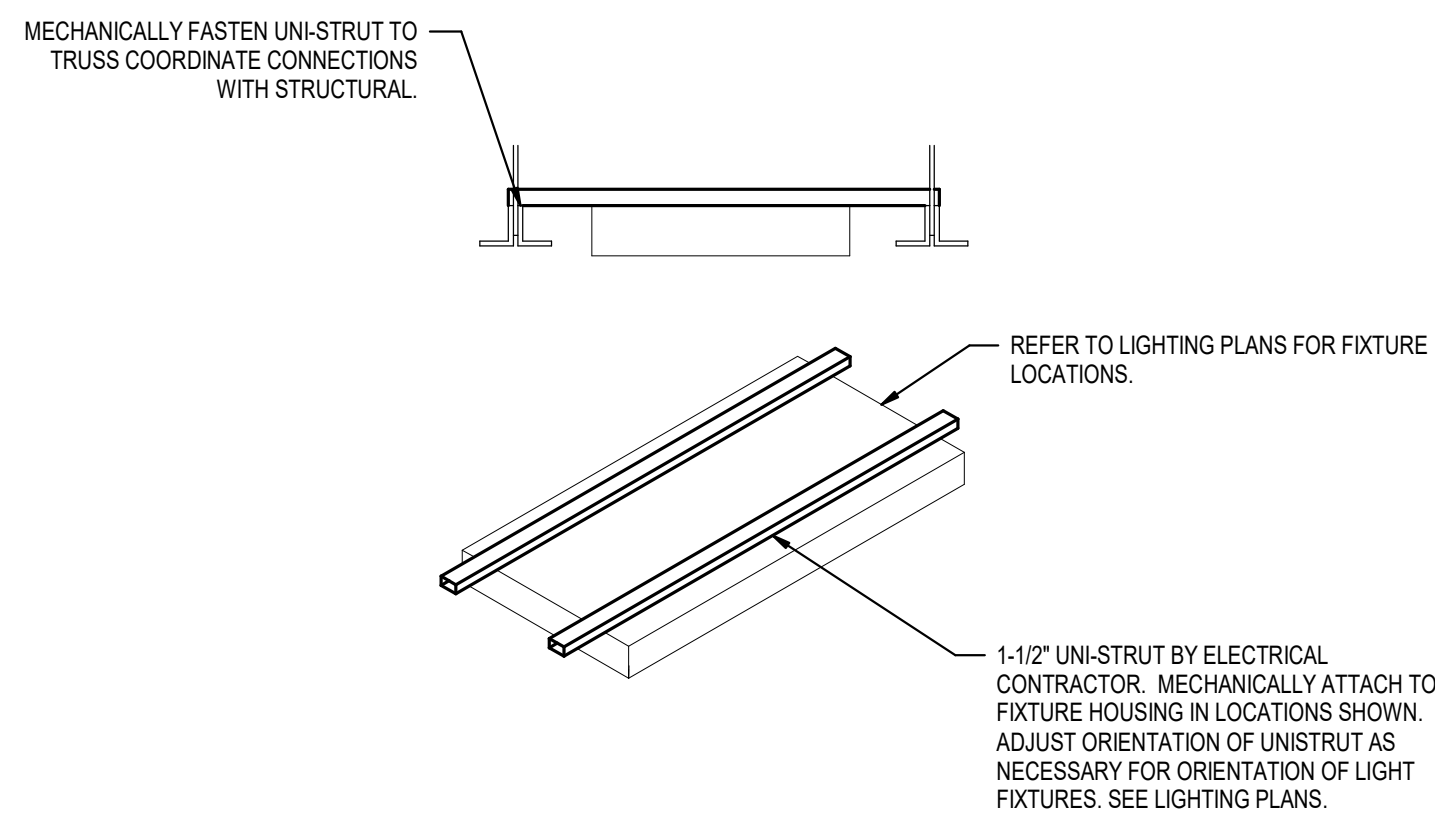
6 TYPICAL GYPSUM CEILING RECESSED TROFFER MOUNTING DETAIL
SCALE: NTS



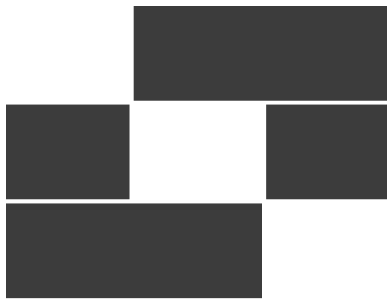
5 TYPICAL JUNCTION BOX MOUNTING DETAIL
SCALE: NTS



4 TYPICAL CHAIN HUNG LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS



8 LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
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babcockdesign.com

Consultant



324 S. State St., Suite 400
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800-678-7077
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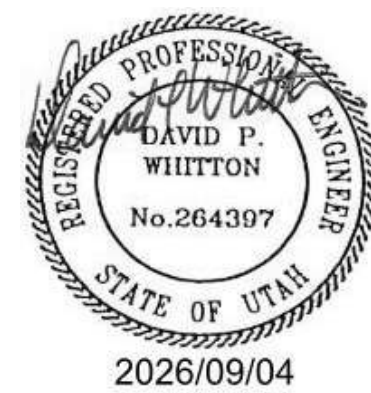
Num.	Description	Date
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Project Number	28526
Original Issue	09/04/2026
Project Status	Permit & Bid Set

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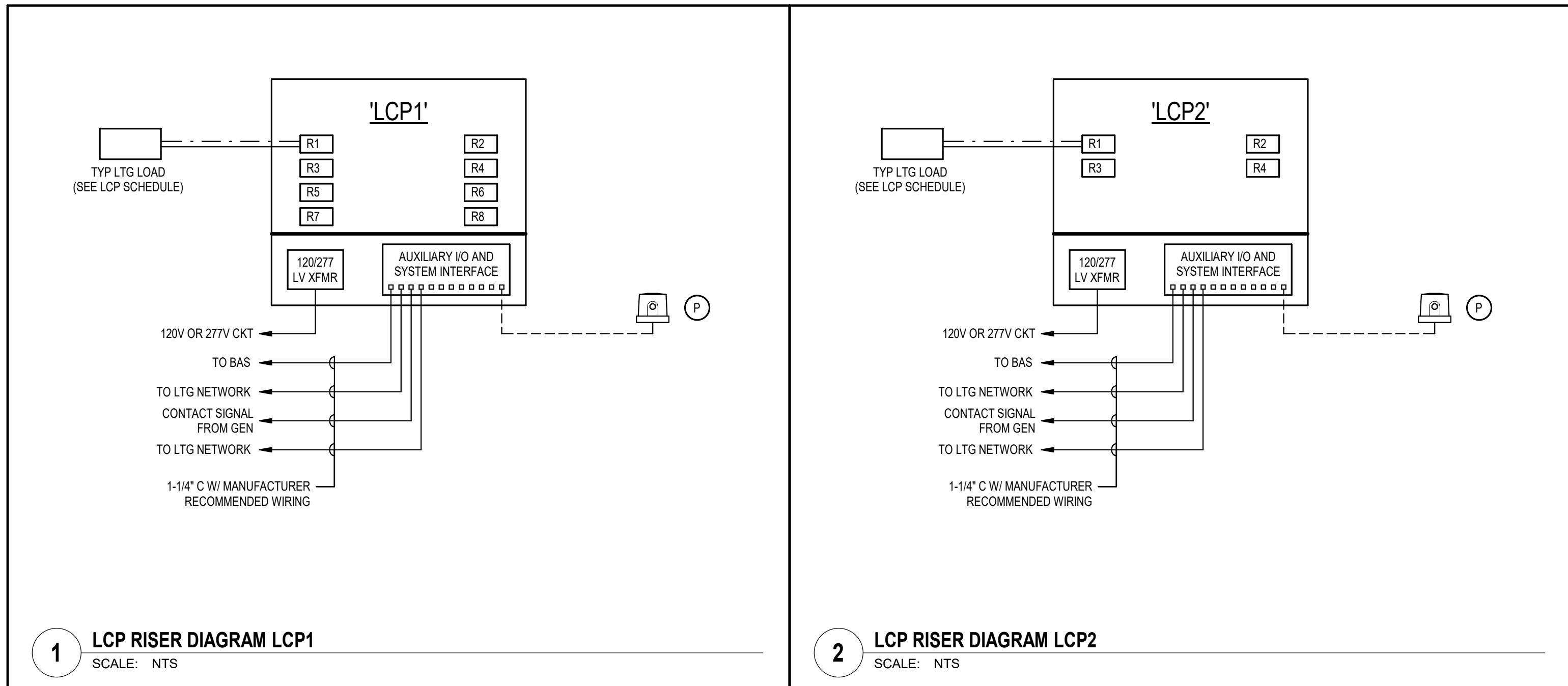
LIGHTING DETAILS

Sheet Number

EL501

LIGHTING CONTROL PANEL SCHEDULE				
MANUF / CAT NUMBER		NLIGHT		
PANEL NAME		LCP1		
LOCATION		FIRE RISER 131		
TRANSFORMER VOLTAGE		120/277 VOLT		
MOUNTING		SURFACE		
NEMA TYPE		1		
RELAY NO	CIRCUIT BREAKER	LOAD CONTROLLED	INPUT DEVICE	PROGRAMMING REQUIREMENTS
1	1H1-3,5	SITE LIGHTING	PHOTOCELL	B
2	1H1-7	EXTERIOR BUILDING LIGHTING	PHOTOCELL	A
3	1L1-16	FLAGPOLE LIGHTING	TIMECLOCK	F
4	1L1-18	MONUMENT SIGN	TIMECLOCK	C
5		SPARE RELAY		
6		SPARE RELAY		
7		SPARE RELAY		
8		SPARE RELAY		
PROGRAMMING REQUIREMENTS				
A	EXTERIOR BUILDING LIGHTS - DUSK ON - 11:00PM OFF / 6:00 AM ON - DAWN OFF			
B	PARKING LOT LIGHTS - DUSK ON - 9:00PM DIM TO 50% / 11:00 PM OFF / 6:00 AM ON - DAWN OFF			
C	MONUMENT SIGN - AUTO ON / AUTO OFF - CONFIRM TIMES WITH OWNER			
D	MANUAL ON / SWEEP OFF AT TIME AS DETERMINED BY THE OWNER. 2HR OVERRODE AT LOW VOLTAGE SWITCH			
E	AUTO ON / SWEEP OFF AT TIME AS DETERMINED BY THE OWNER. 2HR OVERIDE AT LOW VOLTAGE SWITCH			
F	FLAG POLE LIGHT - DUSK ON / DAWN OFF			
1 PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IBC & IEC.				
2 CONFIRM SWITCH SCHEME WITH OWNER PRIOR TO PROGRAMMING				
3 INCLUDE A FINE TIME VISE / WITHIN 3 MONTHS OF BUILDING OCCUPANCY AT OWNERS REQUEST TO MAKE MINOR ADJUSTMENTS				
4 PROVIDE METAL STRIP BARRIER TO THE EMERGENCY LIGHTING FROM NORMAL LIGHTING				
5 PROVIDE NIGHT EMERGENCY POWER PAK(S) AS MAY BE REQUIRED FOR SWITCHING OF EMERGENCY LOADS				

LIGHTING CONTROL PANEL SCHEDULE				
MANUF / CAT NUMBER		N/LIGHT		
PANEL NAME:		LCP2		
LOCATION:		ELEC 327		
TRANSFORMER VOLTAGE:		120/277 VOLT		
MOUNTING:		SURFACE		
NEMA TYPE:		1		
RELAY NO	CIRCUIT BREAKER	LOAD CONTROLLED	INPUT DEVICE	PROGRAMMING REQUIREMENTS
1	BH1-1	BARN OUTDOOR LIGHTING	OUTDOOR LIGHTS	A
2		SPARE RELAY		
3		SPARE RELAY		
4		SPARE RELAY		
PROGRAMMING REQUIREMENTS				
A	EXTERIOR BUILDING LIGHTS - DUSK ON - 11:00PM OFF / 6:00 AM ON - DAWN OFF			
B	PARKING LOT LIGHTS - DUSK ON - 9:00PM DIM TO 50% / 11:00 PM ON OFF			
C	6:00 AM ON - DAWN OFF			
D	MOMENTUM SIGN - AUTO ON / AUTO OFF - CONFIRM TIMES WITH OWNER			
E	MANUAL ON / SWEEP OFF AT TIME AS DETERMINED BY THE OWNER. 2HR OVRIDE ON AT LOW VOLTAGE SWITCH			
F	AUTO ON / SWEEP OFF AT TIME AS DETERMINED BY THE OWNER. 2HR OVRIDE ON AT LOW VOLTAGE SWITCH			
F	FLAG POLE LIGHT - DUSK ON / DAWN OFF			
1	PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IBC & IEC.			
2	CONFIRM SWITCH SCHEME WITH OWNER PRIOR TO PROGRAMMING			
3	INCLUDE A FINE TUNE VISIT WITHIN 3 MONTHS OF BUILDING OCCUPANCY AT OWNERS REQUEST TO MAKE MINOR ADJUSTMENTS			
4	PROVIDE METAL STRIP BARRIER TO DUE THE EMERGENCY LIGHTING FROM NORMAL LIGHTING			
5	PROVIDE NIGHT EMERGENCY POWER PACK(S) AS MAY BE REQUIRED FOR SWITCHING OF EMERGENCY LOADS			



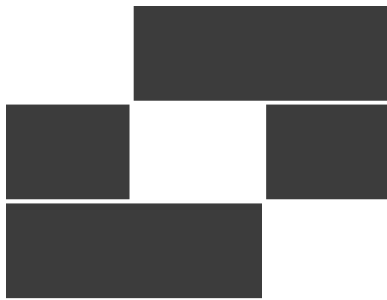
INTERIOR LIGHTING FIXTURE SCHEDULE															
GENERAL NOTES															
A diagram of a cylindrical light fixture. It shows a cylinder with labels: "DIAMETER" for the circular base, "HEIGHT" for the vertical height, "LENGTH" for the length of the mounting arm, and "WIDTH" for the width of the mounting bracket.				- SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING. THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING. - SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES. - ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION. - VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. - COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS. - ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER. - CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.											
ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE					DRIVER							
			BUG RATING	BACK	UP	GLARE	LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS			MANUFACTURER
(A13)	DESCRIPTION: PARKING LOT POLE LIGHT MOUNTING: SINGLE HEAD FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE II DISTRIBUTION WIDE OPTIONS: MOTION/AMBIENT SENSOR	POLE: 25' SQUARE STEEL	-	-	-	-	6,400	3000K	70	0-10V LED DRIVER	480V	51	LITHONIA (RSX1)		
(A14)	DESCRIPTION: PARKING LOT POLE LIGHT MOUNTING: SINGLE HEAD FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE IV DISTRIBUTION WIDE OPTIONS: MOTION/AMBIENT SENSOR	POLE: 25' SQUARE STEEL	-	-	-	-	6,400	3000K	70	0-10V LED DRIVER	480V	51	LITHONIA (RSX1)		
(AP1E)	DESCRIPTION: CHAIR/RING PENDANT MOUNTING: PENDANT FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE I-MEDIUM DISTRIBUTION EM: EMERGENCY BATTERY	HEIGHT: 30" SQUARE: 24"					2,000	3000K	70	0-10V LED DRIVER	277V	17	US OUTDOOR LIGHTING (LCNP1-PJ)		
(AS1E)	DESCRIPTION: WALL SCONCE MOUNTING: WALL FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE II DISTRIBUTION EM: EMERGENCY BATTERY	HEIGHT: 30" SQUARE: 24"	-	-	-	-	3,000	3000K	70	0-10V LED DRIVER	277V	25	US OUTDOOR LIGHTING (LCNP1)		
(AW1I)	DESCRIPTION: WALL PACK MOUNTING: WALL FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE II DISTRIBUTION OPTIONS: MOTION/AMBIENT SENSOR	LENGTH: 17" WIDTH: 10.5" DEPTH: 8.5"	-	-	-	-	3,000	3000K	70	LED	277V	25	LITHONIA (WSTLED-P2-40K-V-MV/MOLT-CCBA)		
(AW1E)	DESCRIPTION: WALL PACK MOUNTING: WALL FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: TYPE II DISTRIBUTION OPTIONS: MOTION/AMBIENT SENSOR EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 17" WIDTH: 10.5" DEPTH: 8.5"	-	-	-	-	3,000	3000K	70	LED	277V	25	LITHONIA (WSTLED-P2-40K-V-MV/MOLT-CCBA)		

INTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES

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

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE				DRIVER				MANUFACTURER (CATALOG SERIES)
			DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS		
(DL1)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR	LENGTH: 11.8" WIDTH: 12.6" HEIGHT: 6.4" DIAMETER: 6"	500		3500K	80	LED (0-10V DIMMING) 10%	277V	6	LITHONIA (LDN6)	
(DL1E)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 11.8" WIDTH: 12.6" HEIGHT: 6.4" DIAMETER: 6"	500		3500K	80	LED (0-10V DIMMING) 10%	277V	6	LITHONIA (LDN6)	
(DL2)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR	LENGTH: 11.8" WIDTH: 12.6" HEIGHT: 6.4" DIAMETER: 6"	1,500		3500K	80	LED (0-10V DIMMING) 10%	277V	18	LITHONIA (LDN6)	
(DL3)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR	LENGTH: 11.8" WIDTH: 12.6" HEIGHT: 6.4" DIAMETER: 6"	4,000		3500K	80	LED (0-10V DIMMING) 10%	277V	44	LITHONIA (LDN6)	
(DL3E)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 11.8" WIDTH: 12.6" HEIGHT: 6.4" DIAMETER: 6"	4,000		3500K	80	LED (0-10V DIMMING) 10%	277V	44	LITHONIA (LDN6)	
(FP1)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GYPSUM CEILING, FLANGE DIFFUSER: SATIN WHITE OPTIONS: DRYWALL, GRID ADAPTER	LENGTH: 48" WIDTH: 12" HEIGHT: 2.25"	2,000		3500K	80	LED (0-10V DIMMING) 10%	277V	17	LITHONIA (CPX)	
(FP1E)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GYPSUM CEILING, FLANGE DIFFUSER: SATIN WHITE OPTIONS: DRYWALL, GRID ADAPTER EM: EMERGENCY BATTERY	LENGTH: 48" WIDTH: 12" HEIGHT: 2.25"	2,000		3500K	80	LED (0-10V DIMMING) 10%	277V	17	LITHONIA (CPX)	
(GP1)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE	LENGTH: 48" WIDTH: 24" HEIGHT: 2.25"	3,000		3500K	80	LED (0-10V DIMMING) 10%	277V	23	LITHONIA (CPX)	
(GP2)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE	LENGTH: 48" WIDTH: 24" HEIGHT: 2.25"	5,000		3500K	80	LED (0-10V DIMMING) 10%	277V	37	LITHONIA (CPX)	
(GP4)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE	LENGTH: 48" WIDTH: 24" HEIGHT: 2.25"	4,000		3500K	80	LED (0-10V DIMMING) 10%	277V	33	LITHONIA (CPX)	
(GP5)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE	LENGTH: 48" WIDTH: 24" HEIGHT: 2.25"	6,000		3500K	80	LED (0-10V DIMMING) 10%	277V	39	LITHONIA (CPX)	
(GP5E)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE EM: EMERGENCY BATTERY	LENGTH: 48" WIDTH: 24" HEIGHT: 2.25"	6,000		3500K	80	LED (0-10V DIMMING) 10%	277V	39	LITHONIA (CPX)	
(GP21)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING FINISH: SCBA	LENGTH: 24" WIDTH: 24" HEIGHT: 2.25"	2,000		3500K	80	LED (0-10V DIMMING) 10%	277V	16	LITHONIA (CPX)	
(GP21E)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE EM: EMERGENCY BATTERY	LENGTH: 24" WIDTH: 24" HEIGHT: 2.25"	2,000		3500K	80	LED (0-10V DIMMING) 10%	277V	16	LITHONIA (CPX)	
(GP22)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE	LENGTH: 24" WIDTH: 24" HEIGHT: 2.25"	3,200		3500K	80	LED (0-10V DIMMING) 10%	277V	30	LITHONIA (CPX)	
(GP22E)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING DIFFUSER: SATIN WHITE EM: EMERGENCY BATTERY	LENGTH: 24" WIDTH: 24" HEIGHT: 2.25"	3,200		3500K	80	LED (0-10V DIMMING) 10%	277V	30	LITHONIA (CPX)	
(HB1)	DESCRIPTION: ROUND HIGHBAY, DIE CAST ALUMINUM HOUSING, IP65 MOUNTING: CEILING PENDANT OPTICS: MEDIUM WIDE DISTRIBUTION OPTIONS: WIRE GUARD, REFLECTOR: FROSTED ACRYLIC	HEIGHT: 16" DIAMETER: 17"	18,000		4000K	80	LED (0-10V DIMMING) 10%	277V	125	LITHONIA (JCLB)	
(HB1E)	DESCRIPTION: ROUND HIGHBAY, DIE CAST ALUMINUM HOUSING, IP65 MOUNTING: CEILING PENDANT OPTICS: MEDIUM WIDE DISTRIBUTION OPTIONS: WIRE GUARD EM: EMERGENCY BATTERY REFLECTOR: FROSTED ACRYLIC	HEIGHT: 16" DIAMETER: 17"	18,000		4000K	80	LED (0-10V DIMMING) 10%	277V	125	LITHONIA (JCLB)	
(P1)	DESCRIPTION: ROUND CHANDELIER, BRASS/OAK MOUNTING: CEILING PENDANT FINISH: CUSTOM COLOR BY ARCHITECT	HEIGHT: 3.8" DIAMETER: 30"	3,600		3500K	90	LED (0-10V DIMMING) 10%	120V	51	VISUAL COMFORT (NOGRCS30)	
(PC1)	DESCRIPTION: 6" PENDANT STEM CYLINDER MOUNTING: PENDANT FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR, MEDIUM WIDE DISTRIBUTION	HEIGHT: 12" DIAMETER: 7" APERTURE: 6"	5,000		3500K	80	LED (0-10V DIMMING) 10%	277V	58	LITHONIA (LDN6CYL)	
(PC1E)	DESCRIPTION: 6" PENDANT STEM CYLINDER MOUNTING: PENDANT FINISH: CUSTOM COLOR BY ARCHITECT OPTICS: CLEAR REFLECTOR, SEMI-SPECULAR, MEDIUM WIDE DISTRIBUTION EM: EMERGENCY BATTERY, INTEGRAL BUTTON	HEIGHT: 12" DIAMETER: 7" APERTURE: 6"	5,000		3500K	80	LED (0-10V DIMMING) 10%	277V	58	LITHONIA (LDN6CYL)	
(SL1)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	3,000		3500K	80	LED (0-10V DIMMING) 10%	277V	19	LITHONIA (CLX)	
(SL1E)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	3,000		3500K	80	LED (0-10V DIMMING) 10%	277V	19	LITHONIA (CLX)	
(SL2)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	4,000		3500K	80	LED (0-10V DIMMING) 10%	277V	26	LITHONIA (CLX)	
(SL3)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	5,000		3500K	80	LED (0-10V DIMMING) 10%	277V	32	LITHONIA (CLX)	
(SL3E)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	5,000		3500K	80	LED (0-10V DIMMING) 10%	277V	32	LITHONIA (CLX)	
(SL4E)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	7,200		3500K	80	LED (0-10V DIMMING) 10%	277V	47	LITHONIA (CLX)	
(SL5E)	DESCRIPTION: LINEAR STRIP, DAMP LISTED MOUNTING: CEILING, PENDANT, WALL OPTICS: ROUND LENS EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 48" WIDTH: 3.44" HEIGHT: 3.58"	10,000		3500K	80	LED (0-10V DIMMING) 10%	277V	71	LITHONIA (CLX)	
(SW1E)	DESCRIPTION: WRAPAROUND MOUNTING: SURFACE EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 48" WIDTH: 10" HEIGHT: 4"	4,000		3500K	80	LED (0-10V DIMMING) 10%	277V	35	LITHONIA (STL4)	
(X1)	DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED, MIRROR BACK MOUNTING: CEILING, WALL FINISH: SCBA EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 11.8" WIDTH: 1.8" HEIGHT: 7.25"		GREEN			LED	277V	5	ISOLITE (RL)	
(X2)	DESCRIPTION: EXIT SIGN, EDGE LIT, DOUBLE SIDED, MIRROR BACK MOUNTING: CEILING, WALL FINISH: SCBA EM: EMERGENCY BATTERY, INTEGRAL BUTTON	LENGTH: 11.8" WIDTH: 1.8" HEIGHT: 7.25"		GREEN			LED	277V	5	ISOLITE (RL)	



Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
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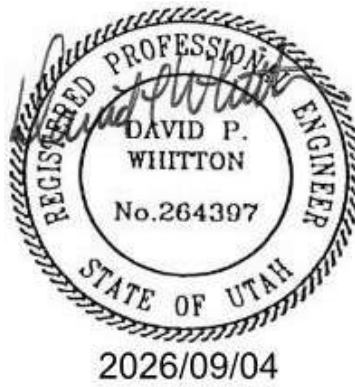
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Revisions		
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Sheet Title

LIGHTING FIXTURE SCHEDULE

Sheet Number

EL601

LIGHTING CONTROL SYSTEM REQUIREMENTS:

NETWORKED LOW-VOLTAGE LIGHTING CONTROL SYSTEMS: PROVIDE A DIGITAL, DISTRIBUTED INTELLIGENT, NETWORKED LOW-VOLTAGE LIGHTING CONTROL SYSTEM FOR THE FOLLOWING ROOMS/AREAS:

CLASSROOMS
STAIRS
MAIN CIRCULATION SPACES
STUDENT COMMONS / DINING
BUILDING EXTERIOR

THE SYSTEM SHALL INCLUDE, BUT IS NOT LIMITED TO CEILING-MOUNTED OCCUPANCY SENSORS, LIGHT LEVEL SENSORS, LOW VOLTAGE CONTROL WALL SWITCHES, RELAY PACKS/ROOM CONTROLLERS, GATEWAYS, BRIDGES, EQUIPMENT, LOW VOLTAGE CABLES, INTERNET CONNECTION, SOFTWARE, PROGRAMMING, ETC.

PROVIDE SOFTWARE FOR THE ABILITY TO REMOTELY CONFIGURE AND MONITOR EVERY NETWORKED SYSTEM DEVICE. PROVIDE BACNET SOFTWARE PLUG-IN TO ENABLE SOFTWARE TO ACT AS A BACNET IP "GATEWAY" BETWEEN THE NETWORK AND THE OWNER'S BUILDING MANAGEMENT SYSTEM. THE SOFTWARE SHALL HAVE A SIMPLE AND QUICK SETUP TOOL FOR CREATING CUSTOM CONFIGURATION PROFILES THAT CAN EITHER BE SCHEDULED OR RUN ON DEMAND. THE SOFTWARE SHALL ALLOW FOR:

VIEWING DEVICE PROPERTIES
CUSTOMIZING ALL DEVICE NAMES
CONFIGURING ALL DEVICE DEFAULT SETTINGS
EDITING DEVICE CURRENT SETTINGS
OBSERVING REAL-TIME DEVICE OPERATIONAL STATUSES
VIEWING ENERGY CONSUMPTION
UPDATING DEVICE FIRMWARE
GROUPING NETWORK DEVICES
CREATING LIGHTING PROFILES THAT OUTLINE DEVICE OPERATION
SCHEDULING PROFILES TO RUN AT PRESCRIBED TIMES WITH OPTIONAL RECURRENTS
MANAGING USER ACCESS OF GATEWAYS AND THE SOFTWARE PROGRAM
PRINTING REPORTS ON THE NETWORK INVENTORY AND PROFILES
REMOTE TECHNICAL SUPPORT VIA THE INTERNET

PROVIDE RELAY PACKS/ROOM CONTROLLERS IN TYPES AND RATINGS AS MAY BE REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM WHETHER SHOWN ON THE DRAWINGS OR NOT. WHERE RELAY PACKS/ROOM CONTROLLERS ARE SERVING LOADS IN HIGH CEILING AREAS, LOCATE RELAY PACKS/ROOM CONTROLLERS IN THE ELECTRICAL ROOM WHERE LINE VOLTAGE WIRING IS ORIGINATING FROM.

THE SYSTEM SHALL METER EACH POINT OF CONTROL AND PROVIDE ENERGY USAGE AND POWER DEMAND DATA BACK TO THE OWNER'S BUILDING MANAGEMENT SYSTEM.

OCCUPANCY SENSORS SHALL BE SET FOR 'MANUAL ON - AUTO OFF' IN THE FOLLOWING SPACES:

CLASSROOMS
STAIRS
MAIN CIRCULATION SPACES

OCCUPANCY SENSORS SHALL BE SET FOR 'AUTO ON - AUTO OFF' IN THE FOLLOWING SPACES:

STUDENT COMMONS / DINING
STAIRS
MAIN CIRCULATION SPACES

ALL CEILING-MOUNTED OCCUPANCY SENSORS SHALL BE PROVIDED WITH AN AUXILIARY CONTACT FOR HVAC CONTROL.

ALL LOW VOLTAGE LIGHTING CONTROL SWITCHES SHALL HAVE EACH SCENE NAME SILKSCREENED ONTO THE FRONT OF THE SWITCH IN BLACK LETTERS AS MAY BE REQUESTED BY THE ARCHITECT. COORDINATE SCENE NAME WITH ARCHITECT/OWNER.

PROVIDE LIGHTING CONTROL RELAY PANELS AS INDICATED ON THE ELECTRICAL DRAWINGS. RELAY PANELS SHALL BE TIED INTO THE NETWORKED LOW VOLTAGE LIGHTING CONTROL SYSTEM.

STANDALONE LOW VOLTAGE LIGHTING CONTROL SYSTEMS: PROVIDE DIGITAL STANDALONE LOW VOLTAGE LIGHTING CONTROL SYSTEMS IN THE FOLLOWING ROOMS/AREAS:

LARGE RESTROOMS
CONFERENCE ROOMS
OFFICES
TEACHER LOUNGES
WORK ROOMS
CONCESSIONS / KITCHEN
SMALL VESTIBULES AND PASSAGE WAYS
LARGE STORAGE ROOMS

THE SYSTEMS SHALL INCLUDE, BUT IS NOT LIMITED TO CEILING-MOUNTED OCCUPANCY SENSORS, LIGHT LEVELS SENSORS, LOW VOLTAGE CONTROL WALL SWITCHES, RELAY PACKS/ROOM CONTROLLERS, LOW VOLTAGE CABLES, PROGRAMMING, ETC.

PROVIDE RELAY PACKS/ROOM CONTROLLERS IN TYPES AND RATINGS AS MAY BE REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM WHETHER SHOWN ON THE DRAWINGS OR NOT. WHERE RELAY PACKS ARE SERVING LOADS IN HIGH CEILING AREAS, LOCATE POWER PACKS IN THE ELECTRICAL ROOM WHERE LINE VOLTAGE WIRING IS ORIGINATING FROM.

OCCUPANCY SENSORS SHALL BE SET FOR 'MANUAL ON - AUTO OFF' WITH A 10 MINUTE DELAY IN THE FOLLOWING SPACES:

CONFERENCE ROOMS (WITH NATURAL DAY LIGHT)
OFFICES (WITH NATURAL DAY LIGHT)

OCCUPANCY SENSORS SHALL BE SET FOR 'AUTO 50% ON - AUTO OFF' WITH A 10 MINUTE DELAY IN THE FOLLOWING SPACES:

CONFERENCE ROOMS (WITHOUT NATURAL DAY LIGHT)
OFFICES (WITHOUT NATURAL DAY LIGHT)
LARGE RESTROOMS
TEACHER LOUNGES
WORK ROOMS
LARGE STORAGE ROOMS
CONCESSIONS / KITCHENS
SMALL VESTIBULES AND PASSAGE WAYS (100% AUTO ON)

ALL LOW VOLTAGE LIGHTING CONTROL SWITCHES SHALL HAVE EACH SCENE NAME SILKSCREENED ONTO THE FRONT OF THE SWITCH IN BLACK LETTERS. COORDINATE SCENE NAME WITH ARCHITECT/OWNER.

COORDINATE WITH OWNER/ARCHITECT ON PROGRAMMING SCENES (PER ZONING SHOWN ON DRAWINGS), TASK TUNING, ETC. EACH STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL 'ON' POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

LINE-VOLTAGE LIGHTING CONTROL SYSTEM: PROVIDE LINE-VOLTAGE LIGHTING CONTROL SYSTEMS IN THE FOLLOWING ROOMS/AREAS:

WALL BOX OCCUPANCY SENSORS:
CUSTOMS
SMALL STORAGE ROOMS
SMALL TOILET ROOMS
LARGE STORAGE ROOMS

SET OCCUPANCY SENSOR TO HAVE A 10 MINUTE DELAY

THEATRICAL LIGHTING CONTROL SYSTEMS: PROVIDE THEATRICAL LIGHTING CONTROL SYSTEMS IN THE FOLLOWING ROOMS/AREAS:

GYM

REFER TO THEATRICAL LIGHTING CONTROL SYSTEMS SPECIFICATIONS AND DRAWINGS.

OCCUPANCY SENSORS: PLEASE NOTE THAT ELECTRICAL DRAWINGS INDICATE LOCATIONS OF OCCUPANCY SENSORS IN APPROXIMATE LOCATIONS ONLY. PROVIDE LIGHT LEVEL, SENSORS IN LOCATIONS AND TYPES AND RECOMMENDED BY THE MANUFACTURER. PROVIDE COMPLETE PRODUCT DATA AND SHOP DRAWINGS INDICATING THE PROPOSED TYPES, COVERAGE PATTERNS, LOCATIONS, AND QUANTITIES. COORDINATE THE LOCATION OF ALL DEVICES WITH CEILING GRIDS, LIGHT FIXTURES, CEILING DIFFUSERS, SPRINKLER HEADS, ETC.

LIGHT LEVEL SENSORS: PLEASE NOTE THAT THE ELECTRICAL DRAWINGS INDICATED LOCATIONS OF LIGHT LEVEL SENSOR IN APPROXIMATE LOCATIONS ONLY. PROVIDE LIGHT LEVEL, SENSORS IN LOCATIONS AND TYPES AND RECOMMENDED BY THE MANUFACTURER. PROVIDE COMPLETE PRODUCT DATA AND SHOP DRAWINGS INDICATING THE PROPOSED TYPES, COVERAGE PATTERNS, LOCATIONS, AND QUANTITIES. COORDINATE THE LOCATION OF ALL DEVICES WITH CEILING GRIDS, LIGHT FIXTURES, CEILING DIFFUSERS, SPRINKLER HEADS, ETC.

ZONING REQUIREMENTS: IT IS PERMISSIBLE FOR ZONES OF LIGHT FIXTURES TO BE CONTROLLED BY COMMON POWER PACKS IN LIEU OF INDIVIDUAL POWER PACKS FOR EACH LIGHT FIXTURE EXCEPT AS FOLLOWS:

- EGRESS LIGHT FIXTURES IN EACH ZONE SHALL BE PROVIDED WITH A RELAY PACK/ROOM CONTROLLER UL 924 LISTED FOR EMERGENCY OPERATIONS. SEE EMERGENCY OPERATIONS BELOW.
- EACH ROOM OR AREA SHALL BE CONSIDERED A SEPARATE ZONE. UNLESS NOTED OTHERWISE, PLEASE NOTE THAT SOME ROOMS HAVE MULTIPLE ZONES. REFER TO THE LIGHTING PLANS FOR DELINEATED LIGHTING ZONES.
- DIFFERENT LIGHT FIXTURE TYPES IN EACH ZONE SHALL HAVE SEPARATE POWER PACKS.
- POWER PACKS SHALL BE RATED IN AMPERAGES AND VOLTAGES AS MAY BE REQUIRED TO SUIT APPLICATION.
- PROVIDE A MINIMUM OF AT LEAST 10% EXTRA POWER PACKS OF EACH SIZE AND TYPE UTILIZED AND ZONE AS MAY BE DIRECTED BY THE ELECTRICAL ENGINEER.

TASK TUNING:

SET THE DEFAULT (MAXIMUM) LIGHT LEVELS TO SUIT THE PARTICULAR TASK OR USE OF A WORKSPACE AS FOLLOWS:

FUNCTION / SPACE (ILLUMINANCE (AVG. FOOTCANDLES))
CLASSROOMS 35 FC
COMMONS 10 FC
STAIRS 10 FC
VESTIBULES 10 FC
RECEPTION 35 FC
OFFICES 35 FC
CONFERENCE ROOMS 30 FC
TEACHER LOUNGES 20 FC
WORK ROOMS 30 FC
LARGE STORAGE ROOMS 10 FC
CORRIDORS 10 FC
LARGE RESTROOMS 15 FC
SMALL TOILET ROOMS 15 FC
CONCESSIONS / KITCHEN 50 FC

VALUES INDICATED ABOVE ARE AVERAGE FOOTCANDLE LEVELS ON THE TASK SURFACE. TAKE METER READING AT THE COMPLETION OF THE PROJECT AS MAY BE REQUIRED TO APPROPRIATELY TUNE EACH SPACE; METER TO BE FURNISHED BY LIGHTING CONTROL SUPPLIER.

LUMEN MAINTENANCE: WHERE AVAILABLE AS A STANDARD FEATURE, PROVIDE LIGHT FIXTURES WITH AN 80% LUMEN MAINTENANCE FEATURE. IF THIS FEATURE IS NOT AVAILABLE, PLEASE INDICATE THIS IS AN EXCEPTION ON THE BID FORM.

DIMMING LEADS: PROVIDE DIMMING LEADS TO ALL FIXTURES THAT HAVE THE FOLLOWING:

- NETWORK LOW-VOLTAGE LIGHTING CONTROL SYSTEMS
- STAND ALONE LOW-VOLTAGE LIGHTING CONTROL SYSTEMS
- EXTERIOR LIGHTING
- ANYWHERE TASK TUNING IS REQUIRED.

EMERGENCY OPERATION (GENERATOR/INVERTER): PROVIDE A UL 924 LISTED METHOD FOR OPERATING EGRESS LIGHT FIXTURES. THIS SHALL INCLUDE UL 924 LISTED POWER PACKS/ROOM CONTROLLERS FOR GROUPS OF LIGHT FIXTURES OR PROVIDE GENERATOR / TRANSFER DEVICES EQUIVALENT TO BOONE STD OR ICA SETS FOR EACH INDIVIDUAL OR GROUPS OF LIGHT FIXTURES DEPENDING UPON THE APPLICATION. REFER TO FLOOR PLANS, LIGHTING DETAILS, AND LIGHT FIXTURES SCHEDULE. ALL EGRESS LIGHT FIXTURES SHALL BE SWITCHED OFF WITH OTHER NORMAL-POWERED LIGHT FIXTURES DURING NORMAL OPERATION, BUT POWERED 'FULL ON' DURING AN EMERGENCY OPERATION.

EMERGENCY OPERATION (BATTERY PACKS): PROVIDE A UL 924 LISTED 1400 LUMEN, 90 MINUTE EMERGENCY BATTERY PACK (BOONE B50, OR APPROVED EQUAL). REFER TO FLOOR PLANS, LIGHTING DETAILS, AND LIGHT FIXTURES SCHEDULE. ALL EGRESS LIGHT FIXTURES SHALL BE SWITCHED OFF WITH OTHER NORMAL-POWERED LIGHT FIXTURES DURING NORMAL OPERATION, BUT POWERED 'FULL ON' DURING AN EMERGENCY OPERATION.

LOW VOLTAGE CABLES: PROVIDE CABLES IN TYPES AND SIZES IN ACCORDANCE WITH ALL MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. ALL CABLES SHALL BE FACTORY TERMINATED OR INSTALLED AND WARRANTED BY THE DATA SYSTEM INTEGRATOR. CABLES SHALL BE PLENUM RATED AND SUPPORTED BY J-HOOKS ATTACHED TO LIGHT FIXTURE DROP WIRES AT 12" ABOVE RECESSED LAY-IN LIGHT FIXTURES. SECURE CABLES AT A SPACING OF NOT MORE THAN 60" ON CENTERS. PROVIDE J-HOOKS SUPPORTED FROM ALL-THREAD AS MAY BE REQUIRED TO MEET SPACING CRITERIA. INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE NEC 300.11. ALL CABLES SHALL BE ROUTED IN A NEAT WORKMANLIKE MANNER PARALLEL AND/OR PERPENDICULAR TO CEILING GRIDS.

FIXTURE REQUIREMENTS: LIGHTING CONTROL SYSTEM WILL NOT BE ACCEPTED IF DIGITAL OR ADDRESSABLE LIGHT FIXTURES ARE USED. ALL LIGHT FIXTURES SHALL BE CONTROLLED THROUGH POWER PACKS OR ROOM CONTROLLERS. DIRECTLY CONNECTING UTP TO FIXTURES WILL NOT BE ALLOWED.

SHOP DRAWINGS AND PRODUCT DATA:

PRODUCT DATA: PROVIDE PRODUCT DATA FOR ALL SYSTEM COMPONENTS CLEARLY DELINEATING THE DEVICES WHICH ARE TO BE PROVIDED.

SHOP DRAWINGS: PROVIDE 1/8" SCALED 30" X 42" AUTOCAD DRAWINGS SHOWING THE LIGHTING CONTROL SYSTEM DEVICES PLACED ON THE CEILING AND FLOOR PLANS. OBTAIN FLOOR AND CEILING PLANS FROM THE ARCHITECT. DRAWINGS SHALL INCLUDE COMPLETE LINE AND LOW VOLTAGE INTERCONNECTION REQUIREMENTS. PROVIDE SEPARATE LINE AND LOW VOLTAGE DRAWINGS AS MAY BE REQUIRED FOR CLARITY. LOW VOLTAGE DRAWING SHALL INCLUDE LENGTHS OF ALL CABLES. INCLUDE COMPLETE WIRING DIAGRAMS, ONE-LINE DIAGRAMS, DETAILS, ETC.

PROGRAMMING SCHEDULES: PROVIDE COMPLETE SEQUENCING AND PROGRAMMING SCHEDULES FOR ALL DEVICES, ZONES, AND SCENES.

RECORD DRAWINGS: AT THE COMPLETION OF THE PROJECT, PROVIDE UPDATED SHOP DRAWINGS INCLUDING ALL CHANGES MADE DURING CONSTRUCTION. INDICATE EXACT LOCATION BY DIMENSION OF ALL POWER PACKS AND OTHER DEVICES MOUNTED ABOVE ACCESSIBLE CEILINGS.

WARRANTY: WARRANTY ALL WORK INCLUDING PARTS AND LABOR FOR A PERIOD OF ONE YEAR.

PROGRAMMING: PROGRAMMING ALL SYSTEMS AS DIRECTED BY THE ELECTRICAL ENGINEER. MEET WITH THE ELECTRICAL ENGINEER AT THEIR OFFICE PRIOR TO PREPARATION OF SHOP DRAWINGS TO DISCUSS SPECIFIC PROGRAMMING AND ZONING REQUIREMENTS. EACH NETWORKED OR STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL 'ON' POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

COMMISSIONING: COMMISSION EACH PORTION OF THE LIGHTING CONTROL SYSTEMS AT THE COMPLETION OF THE PROJECT TO VERIFY THAT THE SYSTEM PERFORMS AS INTENDED. COORDINATE COMMISSION SERVICES WITH COMMISSIONING AGENT. ASSIST THE OWNER IN PROGRAMMING AND MAPPING THE SYSTEM FOR INTEGRATION INTO THE BACNET BUILDING MANAGEMENT SYSTEM TO THEIR SATISFACTION.

RETRO-COMMISSIONING: DURING THE ONE YEAR WARRANTY PERIOD, PROVIDE RETRO-COMMISSIONING SERVICES AT SIX MONTH AND ONE YEAR MARKS. PROVIDE AT LEAST 4 HOURS OF COMMISSIONING SERVICE FOR EACH OF THE FOUR RETRO-COMMISSIONING PERIODS. THIS WILL INCLUDE MEETING WITH THE OWNER TO RECEIVE FEEDBACK ON THE SYSTEM AND MARKS CHANGES TO THE SYSTEM INCLUDING PROGRAMMING, TASK TUNING, ETC.

TRAINING: PROVIDE EIGHT HOURS OF TRAINING FROM A FACTORY TRAINED AND CERTIFIED TECHNICIAN AT THE COMPLETION OF THE PROJECT. SCHEDULE TRAINING WITH THE OWNER.

BIDDING REQUIREMENTS (OWNER SPECIFIC MANUFACTURERS): BIDDERS SHALL BREAK OUT THE LIGHT FIXTURE PACKAGE SEPARATE FROM THE LIGHTING CONTROL SYSTEM. ALL SPECIAL FEATURES PERTAINING TO LIGHTING CONTROLS ASSOCIATED WITH THE LIGHT FIXTURES SHALL BE CONSIDERED LIGHTING CONTROLS. BIDDERS WHO DO NOT CONFORM TO THIS REQUIREMENT MAY BE DISQUALIFIED.

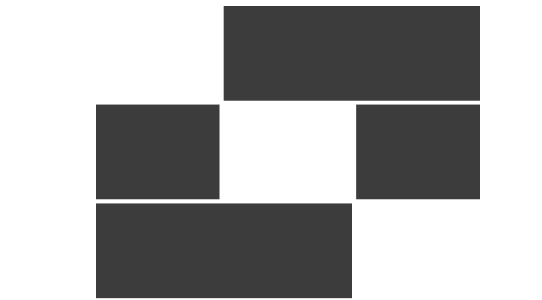
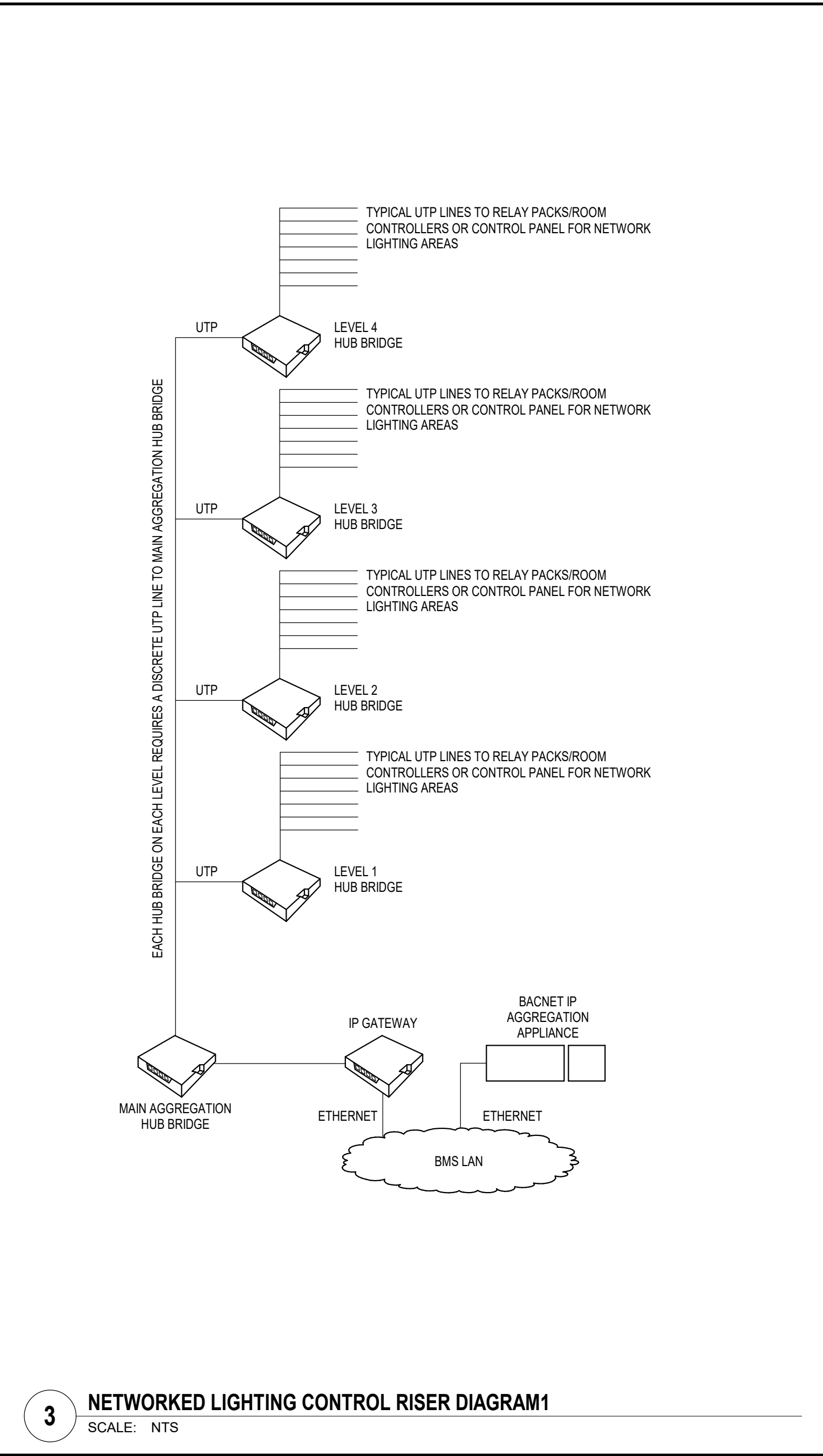
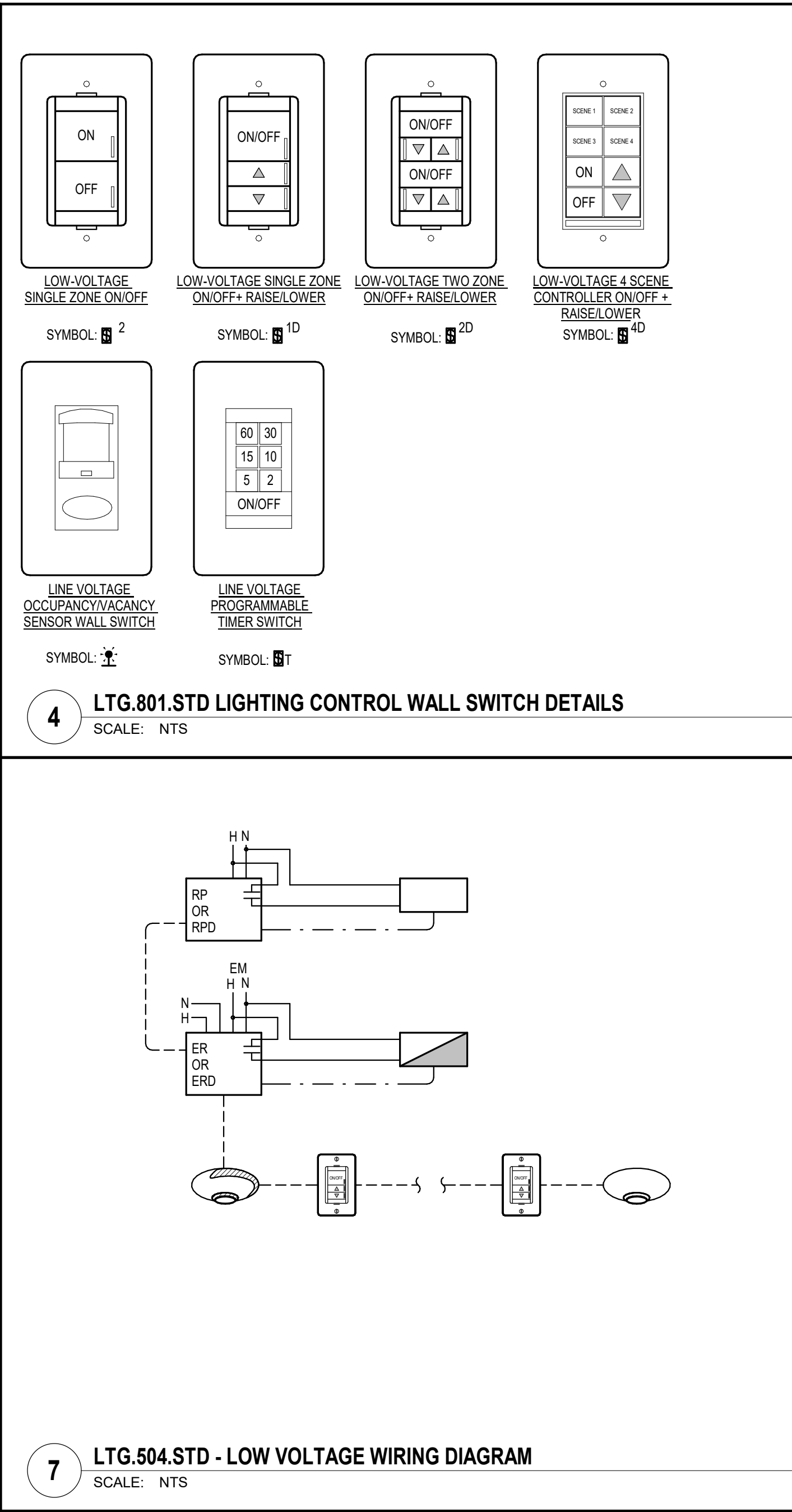
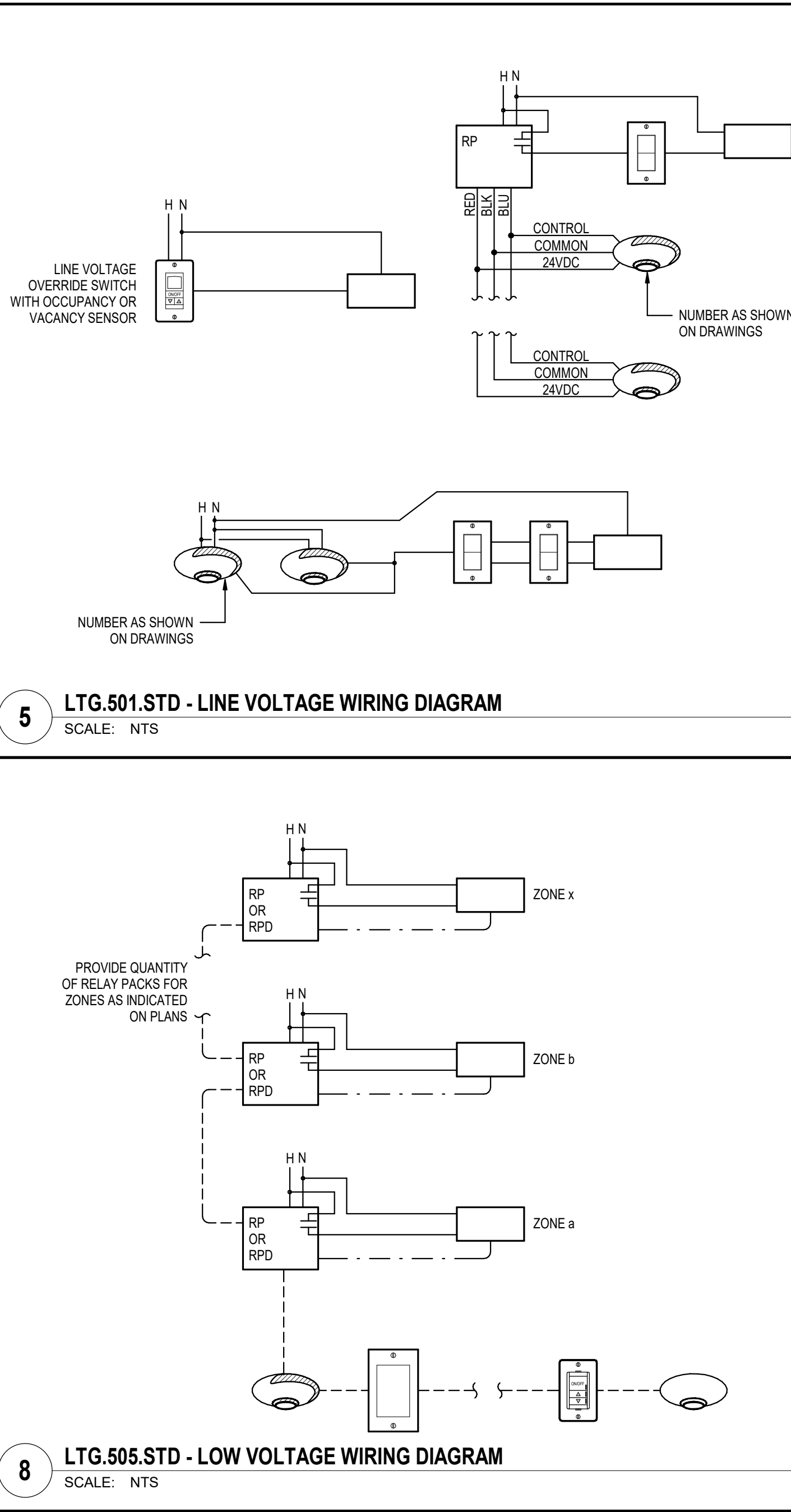
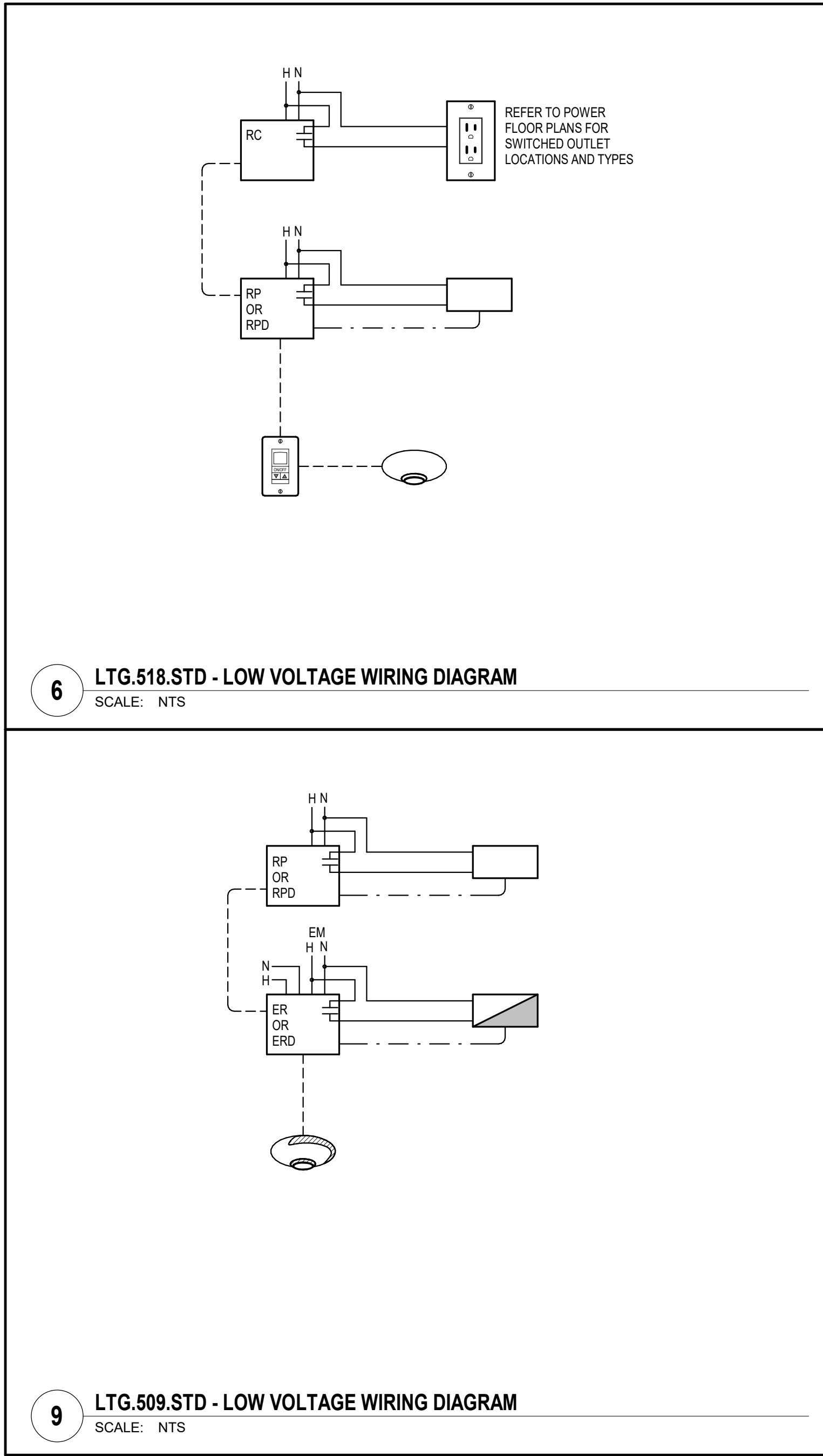
GENERAL NOTES:

- THE LIGHTING CONTROLS AS SHOWN ARE LIGHTING CONTROLS. SEE SPECIFICATION FOR APPROVED ALTERNATES.
- COORDINATE ALL REQUIREMENTS, CONNECTIONS AND CABLE TYPE WITH THE SUPPLIER PRIOR TO ANY INSTALLATION.
- THE LIGHTING CONTROLS SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE LIGHTING CONTROL SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE: PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND COPYING AND SUBMITTING THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED.

LIGHTING WIRING DIAGRAMS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LINE VOLTAGE LIGHT SWITCH	+48"	
	LINE VOLTAGE LIGHT SWITCH	+48"	
	LOW VOLTAGE LIGHT SWITCH (REFER TO LOW VOLTAGE LIGHTING CONTROL WALL SWITCH DETAILS AND FLOOR PLANS)	+48"	
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	
	OCCUPANCY SENSOR	CEILING	
	DAYLIGHT SENSOR	CEILING	
	NORMAL POWER LIGHTING LOAD	CEILING	"X" LOWER CASE LETTER SPECIFIES ZONE
	EMERGENCY POWER LIGHTING LOAD	CEILING	"X" LOWER CASE LETTER SPECIFIES ZONE
	RP: RELAY PACK RPD: DIMMING RELAY PACK RC: RECEPTACLE LOAD CONTROLLER	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
	ER: EMERGENCY RELAY PACK ERD: EMERGENCY DIMMING RELAY PACK	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS. MUST BE UL 924 RATED FOR EMERGENCY LOADS.
		3/4" WITH LIGHTING BRACH CIRCUIT WIRING	
		3/4" WITH 0-10V DIMMING WIRING	
		3/4" WITH CAT 5 CABLEING	

LIGHTING CONTROL NOTES

- PROGRAMMING SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
- MODIFY PROGRAMMING AND PRESET SCENES AS REQUESTED BY OWNER.
- PROVIDE FINE TUNING PROGRAMMING MODIFICATIONS AS REQUESTED BY OWNER WITHIN 6 MONTHS AFTER BUILDING OCCUPANCY.
- IN ADDITION TO PRESET SCENES PROVIDE INDIVIDUAL CONTROL FOR EACH ZONE.
- ALL WIRING DIAGRAMS ARE GENERAL IN NATURE. SPECIFIC CONFIGURATION AND QUANTITIES DUE TO MANUFACTURER AVAILABILITY WILL VARY. PROVIDE ALL REQUIRED PARTS OF THE SYSTEM TO PERFORM AS INTENDED.
- NOT ALL DEVICES SHOWN ON WIRING DIAGRAMS MIGHT BE REQUIRED. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND DEVICE TYPES.
- PROVIDE SEPARATE RELAYS FOR DAYLIGHT ZONES SHOWN ON DRAWINGS.
- ROOM CONTROLLERS OR POWER PACKS WITH MULTIPLE RELAYS INCLUDED MAY BE PROVIDED IN LIEU OF SEPARATE RELAYS SHOWN.
- LIGHTING CONTROL DIAGRAMS AS SHOWN ARE FOR BASIC CONCEPT AND LAYOUT. LIGHTING CONTROLS SYSTEM SUPPLIER TO PROVIDE INSTALLATION DRAWINGS THAT REFLECT THE ACTUAL INSTALLATION REQUIREMENTS, WIRING DIAGRAMS, AND ALL REQUIRED DEVICES.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



LYNK ENGINEERS

324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

**NEW CHARTER
SCHOOL CAMPUS**

MAPLETON, UT

Revisions		
Num.	Description	Date

Project Number 25528
Original Issue 09/04/2026
Project Status Permit & Bid Set

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Sheet Title

**LIGHTING CONTROL
DETAILS AND
REQUIREMENTS**

Sheet Number

EL603



Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant

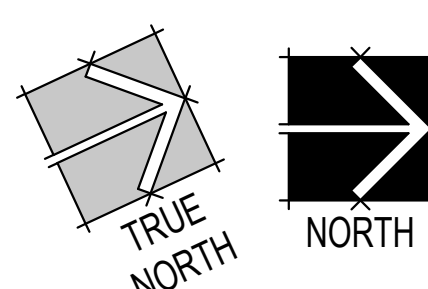


324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER SCHOOL CAMPUS

MAPLETON, UT



GENERAL SHEET NOTES

1. ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING. CONCEAL, DO NOT RUN CABLES IN EXPOSED AREAS WHERE CONCEALMENT IS NOT POSSIBLE IN CONDUITS. CONCEAL ALL CABLES IN CONDUITS TO ROUTE CABLING WHERE VISIBLE ALL CONDUIT SHALL BE PAIRED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
2. SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOXES TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
3. ACCESS CONTROL CABLING TO BE PLENUM RATED.
4. SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR REQUIRED LOCK TYPE, INTERCOM, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
5. SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLE REQUIREMENTS.
6. PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY FOR CABLES IN JUNCTIONS.
7. COORDINATE MOUNTING LOCATION OF UNDER DESK PANAL WITH FURNITURE, DRAPINGS, ARCHITECT AND OWNER PRIOR TO POUGH-IN AND FINAL INSTALLATION.
8. DO NOT LOCATE ANY FIRE ALARM DEVICES BEHIND DOORS OR SHELVEY REFER TO ARCHITECTURAL DRAWINGS FOR SHELVEY LOCATIONS.
9. THE DIVISION 28 PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
10. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
11. CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED DEVICES WITH THE LIGHTING PLANS. RELOCATE DEVICES AS NECESSARY. RELOCATED DEVICES SHALL COMPLY WITH ALL NFPA SPACING REQUIREMENTS.
12. ALL FIRE ALARM DEVICE LOCATIONS, EQUIPMENT LOCATIONS, RISER DIAGRAM, ETC ARE SCHEMATIC IN NATURE AND ARE SHOWN TO PROVIDE INTENT OF THE FIRE ALARM SYSTEM TO THE OWNER. THE FIRE ALARM SYSTEM SHALL BE DESIGNED TO MEET THE REQUIREMENTS THAT INCLUDE A FULL CODE COMPLIANT DESIGN INCLUDING ALL NOTIFICATION AND INITIATION DEVICES REQUIRED PER THE LATEST ADOPED EDITION OF ALL APPLICABLE NFPA (NFPA 72, IBC, IFC, ETC) IN REFERENCE TO THE CODE ENFORCEMENT DEPARTMENT HAVING JURISDICTION WEATHER SHOWN OR NOT. THE FIRE ALARM SYSTEM SHALL MEET ALL OWNER AND ENGINEERS REQUIREMENTS, AND ALL DEVICES THAT ARE ADDED DUE TO CODE REVIEW OR INSPECTION SHALL BE ADDED AT AN ADDITIONAL COST TO THE OWNER.
13. FIRE ALARM SYSTEM SUPPLIER SHALL REVIEW ARCHITECTURAL DRAWINGS, FOR BUILDING SECTIONS, ELEVATIONS, CEILING HEIGHTS, CEILING TYPES, AND WALL TYPES. FIRE ALARM SYSTEM SHALL MEET ALL REQUIREMENTS OF NFPA, IFC, AND NEC.
14. AS PART OF THE SUBMITTAL TO THE FIRE MARSHAL THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE ALL REQUIRED ARCHITECTURAL, CEILING PLANS, BUILDING SECTIONS, ELEVATIONS, ETC. FOR REVIEW AND COMMENT.
15. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICE, FIXTURE AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
16. EACH OCCUPIED SPACE THAT CONTAINS CO DETECTION SHALL SOUND AN AUDIBLE ALARM SIGNAL WHICH IS DETECTED AT MORE THAN 70 DBM FOR ONE HOUR PER IFC 915.2.1 AND UTAH STATE AMENDMENTS.
17. CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN OUTSIDE LOCATION THAT IS STAFFED BY SCHOOL PERSONNEL (REMOTE ANNUNCIATOR IN ADMINISTRATION OFFICE) PER IFC 915.2.3.1 AND UTAH STATE AMENDMENTS.
18. BLUE STROBES TO ACTIVATE WHEN CARBON MONOXIDE IS DETECTED IN THE FOLLOWING AND EXCEEDS 70 DBM FOR ONE HOUR AND SHALL REQUIRE A MAXIMUM REST FOLLOWING IN THE EVENT OF A FALSE ALARM. THE MAXIMUM REST FOLLOWING SHALL BE 15 MINUTES.

SHEET KEYNOTES

- | | |
|------|---|
| EY1 | BLUE STROBE FOR CARBON MONOXIDE DETECTION NOTIFICATION |
| EY2 | <p>FIRE SPRINKLER HORN/STROBE BY FIRE SPRINKLER INSTALLER. PROVIDE POWER AND CONNECTIONS TO HORN/STROBE THROUGH N.O. CONTACTS ON THE WATERFLOW SWITCHES). COORDINATE ALL WORK WITH THE FIRE SPRINKLER INSTALLER.</p> |
| EY3 | COORDINATE LOCATION AND QUANTITY OF SPRINKLER RISERS WITH SPRINKLER CONTRACTOR. PROVIDE MONITOR MODULES AS REQUIRED FOR A COMPLETE INSTALLATION. |
| EY4 | ACTIVATION OF CARBON MONOXIDE DETECTION SYSTEM SHALL SHUTDOWN AIR HANDLING SYSTEMS, ROOFTOP UNITS AND/OR GAS FIRED EQUIPMENT UPON ACTIVATION OF DETECTOR. PROVIDE ALL REQUIRED CONTROLS AND PROGRAMMING AS NECESSARY. WEATHER SHOWN OR NOT |
| EY5 | <p>HEAT DETECTOR TO HAVE A LOWER TEMPERATURE SETTING THAN THE SPRINKLER HEAT IN THE SPACE. COORDINATE REQUIREMENTS WITH THE SPRINKLER SYSTEM INSTALLER. LOCATE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.</p> |
| EY6 | COORDINATE INSTALLATION LOCATION AND LOCATION OF ALL DEVICES AND EQUIPMENT WITH THE ELEVATOR INSTALLER PRIOR TO ANY ROUGH-IN. |
| EY7 | DOORS TO CLOSE AND LOCK UPON ACTIVATION OF THE FIRE ALARM SYSTEM OF ACTIVATION OF THE BUILDING LOCK DOWN. COORDINATE ALL REQUIREMENTS, CONNECTIONS AND PROGRAMMING WITH THE FIRE ALARM SYSTEM SUPPLIER AND ACCESS CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN. |
| EY11 | PROVIDE ALL NECESSARY RELAYS, CONTROLS AND PROGRAMMING AS NECESSARY TO DISOUBLE NOTIFICATION TO THE ADA DOOR WHEN THE DOOR IS LOCKED. COORDINATE ALL REQUIREMENTS AND CONNECTIONS WITH THE DOOR HARDWARE SUPPLIER PRIOR TO ANY ROUGH-IN. COORDINATE PROGRAMMING WITH THE OWNER. |
| EY12 | INSTALL DOOR RELEASE BUTTON AND LOCK DOWN BUTTON LOCATION AS DIRECTED BY THE OWNER. CONFIRM EXACT LOCATION PRIOR TO ANY ROUGH-IN. |

Revisions

Num.	Description	D.
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Project Number	26526
Original Issue	09.04.2026
Project Status	Permit & Bid Se

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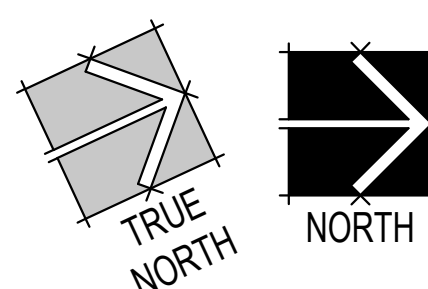


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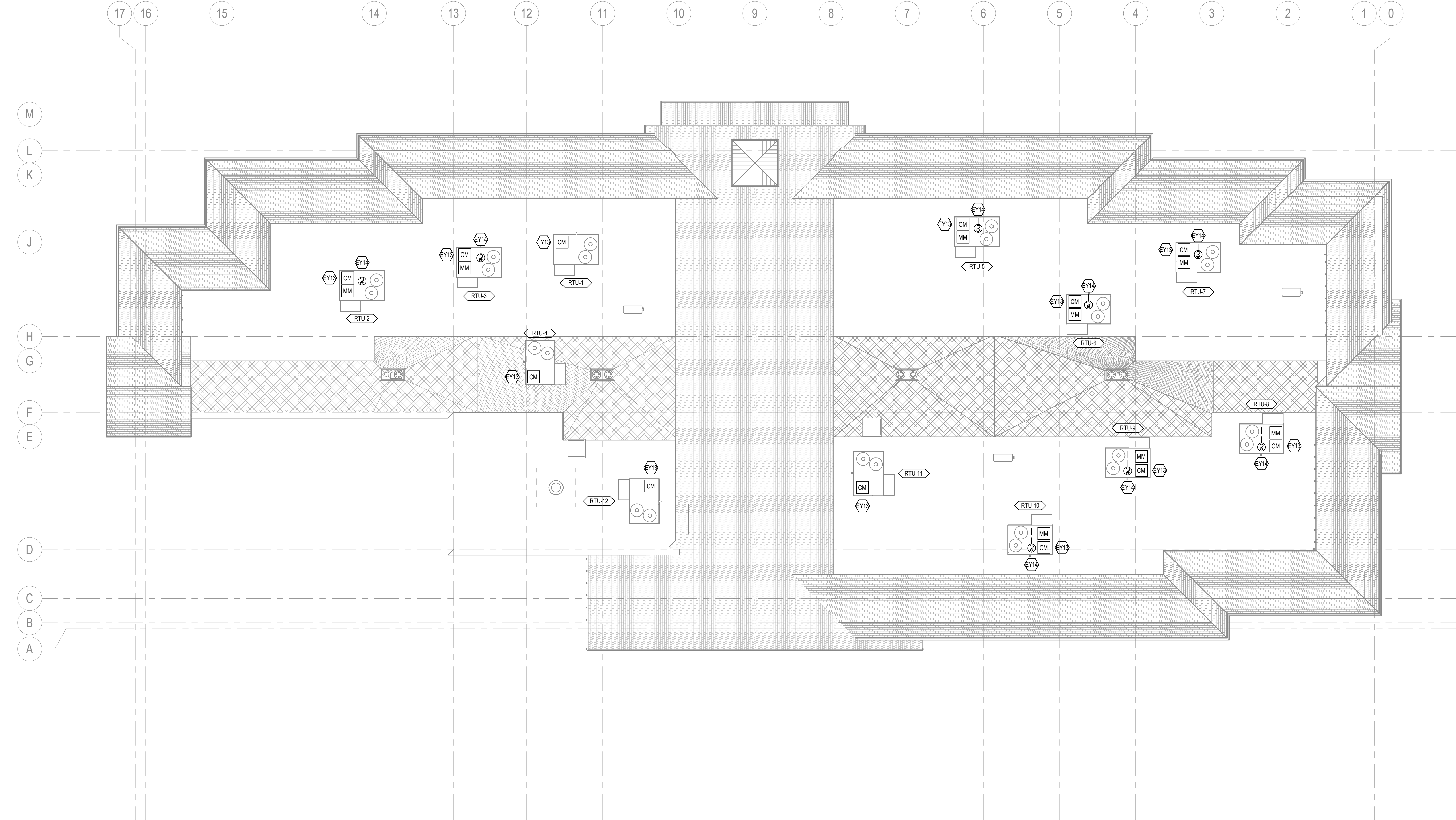
LEVEL 1 AUXILIARY
PLAN

Sheet Number

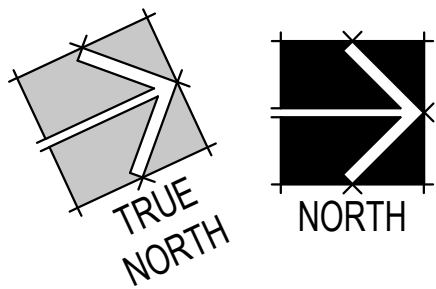
EY111



Original drawing is 30" x 42" Autodesk Docs://26526 - Louisa May Alcott Community School/2000C19 - Louisa May Alcott Community School - R26 (JLEO)



1 ROOF AUXILIARY PLAN
1/8" = 1'-0"

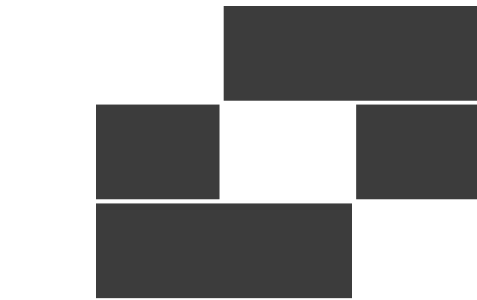


GENERAL SHEET NOTES

- ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAIRED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.
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- ACCESS CONTROL CABLING TO BE PLENUM RATED.
- SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
- SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
- PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
- COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.
- DO NOT LOCATE ANY FIRE ALARM DEVICES BEHIND DOORS OR SHELVING REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
- THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
- ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
- CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED DEVICES WITH THE LIGHTING PLANS. RELOCATE DEVICES AS NECESSARY. RELOCATED DEVICES SHALL COMPLY WITH ALL NFPA SPACING REQUIREMENTS.
- ALL FIRE ALARM DEVICE LOCATIONS, EQUIPMENT LOCATIONS, RISER DIAGRAM, ETC ARE SCHEMATIC IN NATURE AND ARE SHOWN TO PROVIDE INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED. FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE BID AND SHOP DRAWINGS THAT INCLUDE A FULL CODE COMPLIANT DESIGN INCLUDING ALL NOTIFICATION AND INITIATION DEVICES REQUIRED PER THE LATEST ADOPTED EDITION OF ALL APPLICABLE CODES (NFPA, IFC, IBC, IMC, NEC) IN EFFECT FOR THE CODE ENFORCEMENT DEPARTMENT HAVING JURISDICTION WEATHER SHOWN OR NOT. THE FIRE ALARM SYSTEM SHALL MEET ALL OWNER AND ENGINEERS REQUIREMENTS. AND ALL DEVICES THAT ARE ADDED DUE TO CODE REVIEW AND AHJ INSPECTION WILL BE ADDED AT NO ADDITIONAL COST TO THE OWNER.
- FIRE ALARM SYSTEM SUPPLIER SHALL REVIEW ARCHITECTURAL DRAWINGS, FOR BUILDING SECTIONS, ELEVATIONS, CEILING HEIGHTS, CEILING TYPES, AND WALL TYPES. FIRE ALARM SYSTEM SHALL MEET ALL REQUIREMENTS OF NFPA, IFC, IMC AND NEC.
- AS PART OF THE SUBMITTAL TO THE FIRE MARSHAL THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE ALL REQUIRED ARCHITECTURAL CEILING PLANS, BUILDING SECTIONS, ELEVATIONS, ETC FOR REVIEW AND COMMENT.
- CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICE, FIXTURE AND EQUIPMENT HEIGHT AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
- EACH OCCUPIED SPACE THAT CONTAINS CO DETECTION SHALL SOUND AN AUDIBLE ALARM ONCE CO IS DETECTED AT MORE THAN 70 PPM FOR ONE HOUR PER IFC 915.7.3.1 AND UTAH STATE AMENDMENTS.
- CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN ONSITE LOCATION THAT IS STAFFED BY SCHOOL PERSONNEL (REMOTE ANNUNCIATOR IN ADMINISTRATION OFFICE) PER IFC 915.2.3.1 AND UTAH STATE AMENDMENTS.
- BLUE STROBES TO ACTIVATE WHEN CARBON MONOXIDE IS DETECTED IN THE FACILITY IN EXCESS OF 70 PPM FOR ONE HOUR AND SHALL REQUIRE A MANUAL RESET FOLLOWING AND ALARM ACTIVATION PER IFC 915.7.3.2, 915.7.3.2.1 AND UTAH STATE AMENDMENTS.

SHEET KEYNOTES

- EY13 ACTIVATION OF CARBON MONOXIDE DETECTION SYSTEM SHALL SHUTDOWN AIR HANDLING SYSTEMS, ROOFTOP UNITS AND / OR GAS FIRED EQUIPMENT UPON ACTIVATION OF DETECTOR. PROVIDE ALL REQUIRED CONTROLS AND PROGRAMMING AS NECESSARY, WHETHER SHOWN OR NOT.
- EY14 DUCT SMOKE DETECTOR IS PROVIDED BY THE MECHANICAL CONTRACTOR AND WIRED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. PROVIDE ALL REQUIRED MONITOR MODULES AND SHUTDOWN CONTROLS AS NECESSARY FOR A COMPLETE SYSTEM.



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

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Revisions

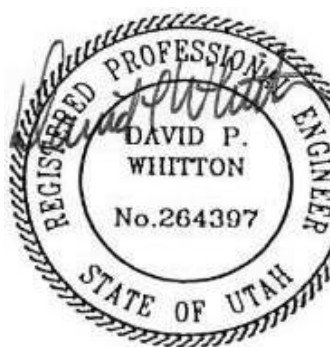
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Project Number 28528
Original Issue 09/04/2026
Project Status Permit & Bid Set

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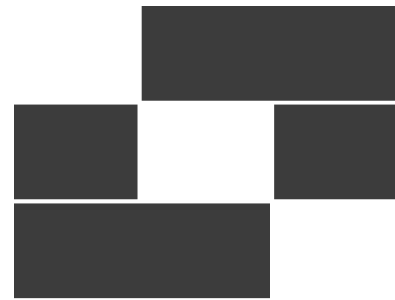
2026/09/04

Sheet Title

ROOF AUXILIARY PLAN

Sheet Number

EY131



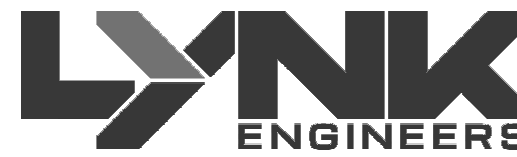
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

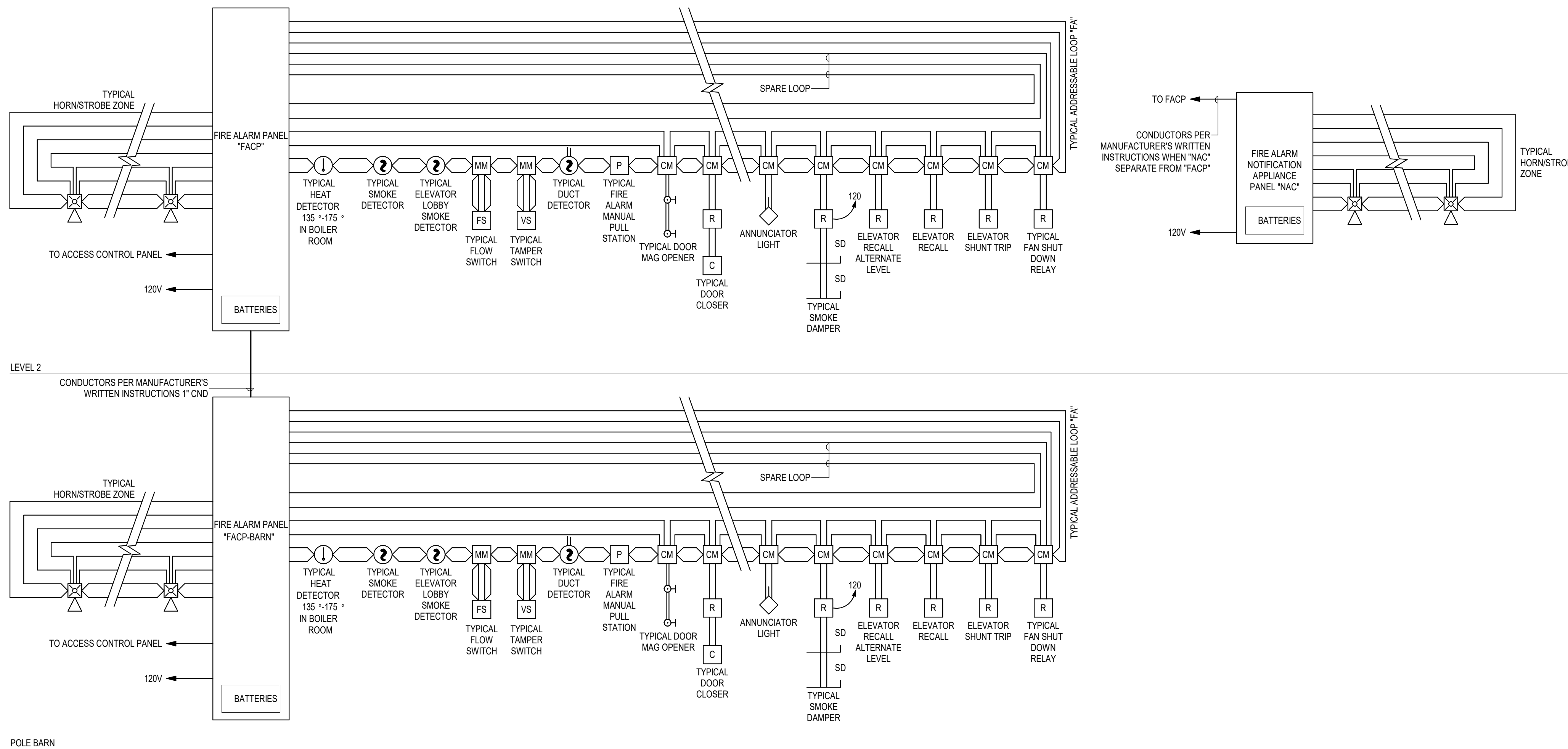
LOUISA MAY ALCOTT
COMMUNITY SCHOOL

NEW CHARTER
SCHOOL CAMPUS

MAPLETON, UT

GENERAL SHEET NOTES

- FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.
- COORDINATE EXACT LOCATIONS AND QUANTITIES OF FLOW AND TAMPER SWITCHES WITH FIRE PROTECTION SHOP DRAWINGS PRIOR TO ROUGH-IN.
- ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.
- LOCATE DUCT DETECTORS SUCH THAT THEY ARE VISIBLE FROM FINISHED FLOOR WHERE POSSIBLE. PROVIDE REMOTE TEST SWITCH WHERE DUCT DETECTORS ARE CONCEALED FROM VIEW.
- CONTROL MODULE AND RELAY TIED INTO BAS PANEL FOR INPUT TO FAN SHUTDOWN UPON ACTIVATION OF DUCT OR SMOKE DETECTORS. COORDINATE RELAY SIZE AND VOLTAGE WITH EQUIPMENT.
- PROVIDE POTTER SASH-24 WEATHERPROOF EXTERIOR HORNSTROBE OR EQUAL AT FIRE DEPARTMENT CONNECTION LOCATION. DEVICE SHALL BE SAUC POWERED BY FACP AND DIRECTLY WIRED THROUGH FLOW SWITCH SUCH THAT THE DEVICE WILL OPERATE UPON WATER FLOW AND SILENCE ONLY UPON CESSATION OF WATER FLOW. COORDINATE AND ADJUST LOCATION TO WITHIN 5 FEET OF FIRE DEPARTMENT CONNECTION LOCATION.
- TYPICAL CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.
- FIRE ALARM TERMINAL CABINET (FATC) LOCATION IS FOR REFERENCE ONLY. MULTIPLE PANELS MAY BE REQUIRED BASED ON FINAL FIRE ALARM SYSTEM CALCULATIONS.
- JUNCTION BOXES FOR ACCESS CONTROL DOORS TO BE MOUNTED IN ACCESSIBLE CEILING SPACES.
- PROVIDE ALL NECESSARY FIRE ALARM CONNECTIONS FOR FIRE-RATED DOORS, INCLUDING DOOR HOLDERS, MAGNETIC RELEASES, AND INTERLOCKS, AS REQUIRED FOR CODE-COMPLANT OPERATION. FIRE-RATED DOORS SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM TO ENSURE AUTOMATIC RELEASE UPON FIRE ALARM ACTIVATION OR LOSS OF POWER. IN ACCORDANCE WITH NFPA 72, NFPA 80, AND LOCAL AHJ REQUIREMENTS. COORDINATE ALL DOOR HARDWARE AND ELECTRICAL CONNECTIONS WITH THE ARCHITECTURAL AND DOOR HARDWARE SCHEDULES.
- ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS.
- ACCESS CONTROL CABLING TO BE PLENUM RATED.
- SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS.
- SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
- PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
- SECURITY JUNCTION BOXES LOCATION ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
- ACCESS CONTROL (ASC) PANEL LOCATION ROUTING IS FOR CABLE PULLING PURPOSES ONLY. MULTIPLE PANELS MAY BE REQUIRED BASED ON CARD READER COUNT.
- COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL SECURITY DEVICES WITH SECURITY INSTALLER PRIOR TO ROUGH-IN.
- FOR ALL CARD READERS MOUNTED IN MULLION, PROVIDE SLIM VERSION. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ORDERING AND ROUGH-IN.
- EACH OCCUPIED SPACE THAT CONTAINS CO DETECTION SHALL SOUND AN AUDIBLE ALARM ONCE CO IS DETECTED AT MORE THAN 70 PPM FOR ONE HOUR PER IFC 915.7.3.1 AND UTAH STATE AMENDMENTS.
- CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN ONSITE LOCATION THAT IS STAFFED BY SCHOOL PERSONNEL (REMOTE ANNUNCIATOR IN ADMINISTRATION OFFICE) PER IFC 915.2.3.1 AND UTAH STATE AMENDMENTS.
- BLUE STROBES TO ACTIVATE WHEN CARBON MONOXIDE IS DETECTED IN THE FACILITY IN EXCESS OF 70 PPM FOR ONE HOUR AND SHALL REQUIRE A MANUAL RESET FOLLOWING AND ALARM ACTIVATION PER IFC 915.7.3.2, 915.7.3.2.1 AND UTAH STATE AMENDMENTS.

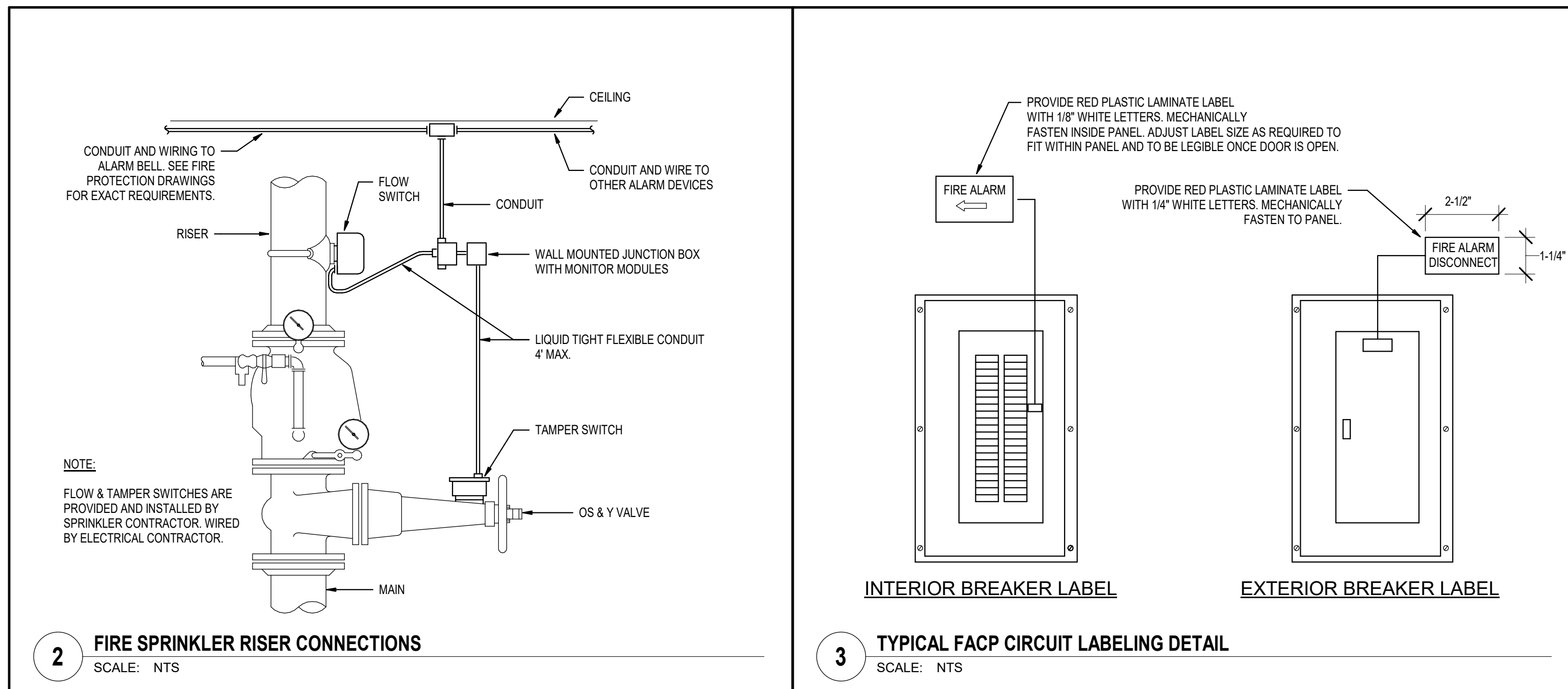


1 FIRE ALARM RISER

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

NOTIFICATION SCHEDULE				
SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT ALONE
	15 CD	20'x20'	.085A	17
	30 CD	30'x30'	.135A	11
	75 CD	40'x40'	.200A	7
	110 CD	50'x50'	.225A	6

WIRING SCHEDULE				
FUNCTION	< 500'	< 1000'	1000'-3000'	> 3000'
ADDRESSABLE LOOP	#18 TSP	#18 TSP	#16 TSP	#14 TSP
POWER LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN
SPARE LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN
STROBE HORNS	#14 THWN	#14 THWN	#12 THWN	#10 THWN
MAGNETIC DOOR HOLDER	#12 THWN	#10 THWN		
SPEAKERS	#16 TSP	#16 TSP	#14 TSP	#14 TSP

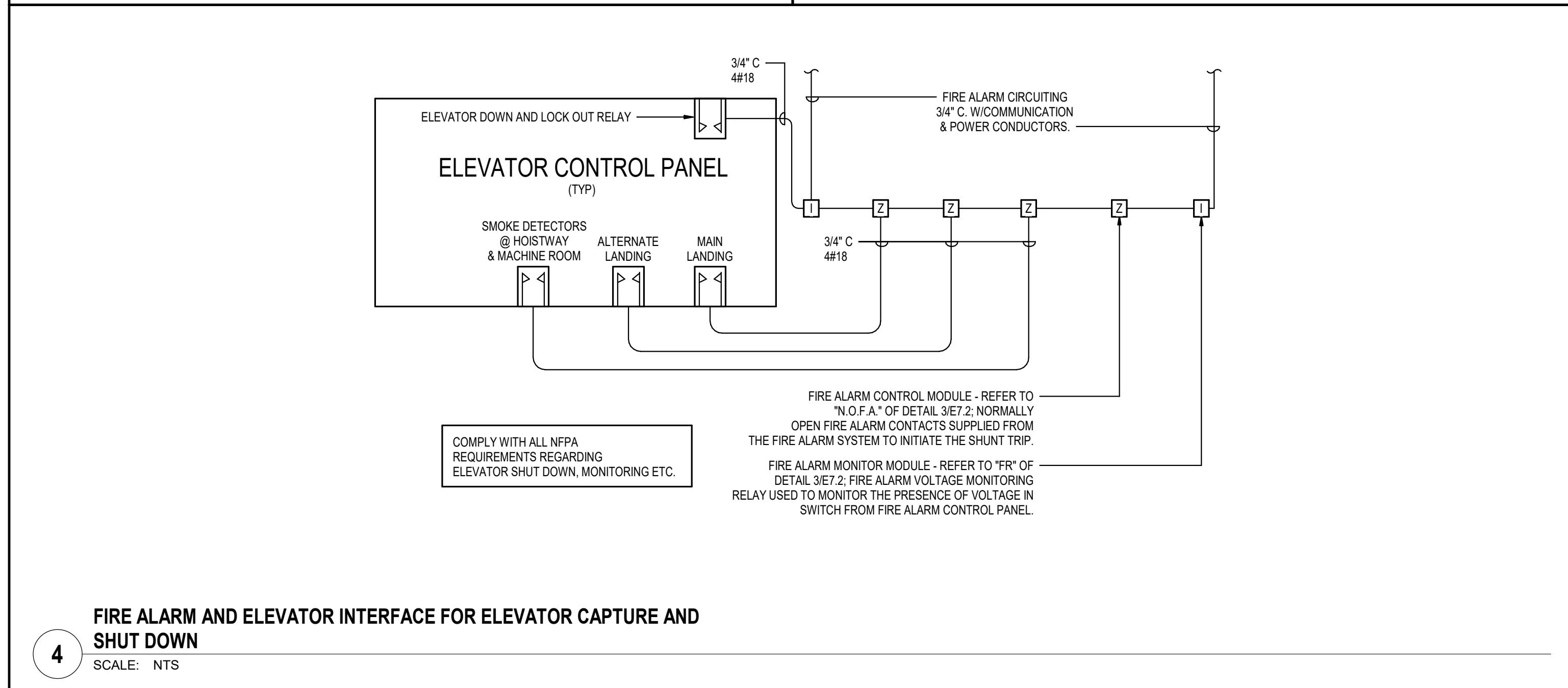


2 FIRE SPRINKLER RISER CONNECTIONS

SCALE: NTS

3 TYPICAL FACP CIRCUIT LABELING DETAIL

SCALE: NTS



4 FIRE ALARM AND ELEVATOR INTERFACE FOR ELEVATOR CAPTURE AND SHUT DOWN

SCALE: NTS

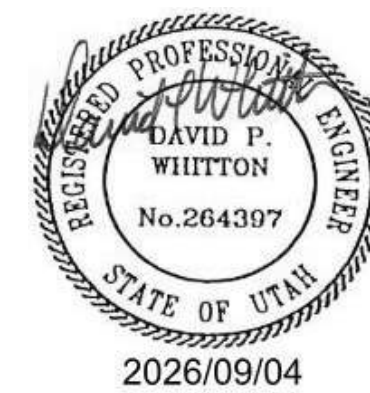
Revisions

Num. Description Date

Project Number 285351
Original Issue 09/04/2025
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Sheet Title

FIRE ALARM RISER
DIAGRAMS

Sheet Number

EY601

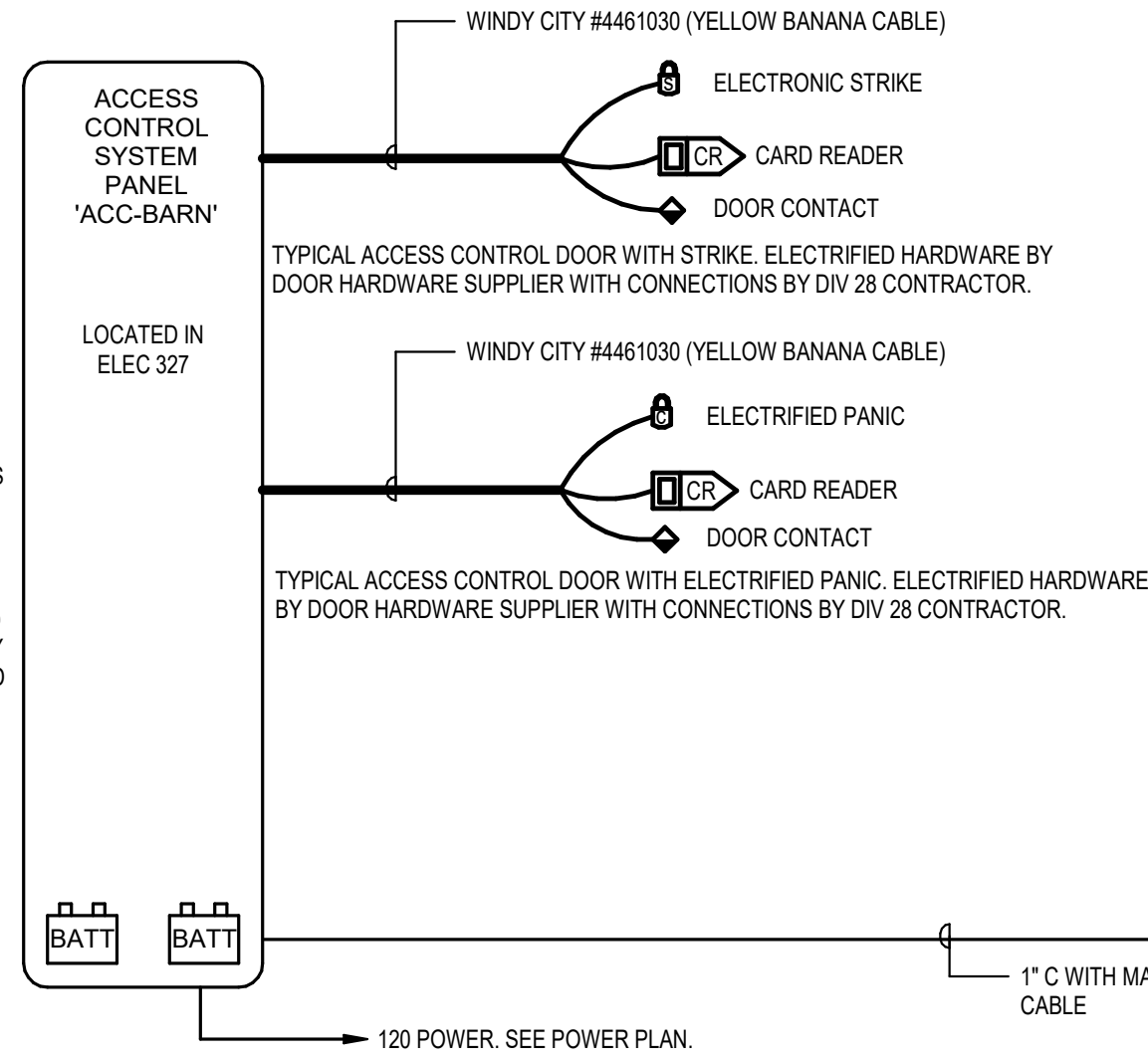
ACCESS CONTROL SYSTEM GENERAL NOTES:

1. PROVIDE S2 / ENEL (BASIS OF DESIGN) ACCESS CONTROL SYSTEM. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CONFIRM ALL WIRING REQUIREMENTS WITH ACCESS CONTROL SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
3. THE SYSTEM SHALL BE PROGRAMMED PER ALL OWNERS REQUIREMENTS. VERIFY PRIOR TO ANY PROGRAMMING.
4. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
5. PROVIDE ACCESS CONTROL MAP OF THE BUILDING SHOWING ALL ACCESS CONTROL SYSTEM DEVICES, INCLUDING EXISTING. LOCATE MAP IN LOCATION AS DIRECTED BY THE OWNER.
6. ALL ACCESS CONTROL CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4".
7. VERIFY ALL LOCATIONS OF ACCESS CONTROL DEVICES WITH THE OWNER PRIOR TO ANY ROUGH-IN.
8. THE ACCESS CONTROL SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE ACCESS CONTROL SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE: PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND COPYING AND SUBMITTING THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED.
9. INSTALL CABLES IN RACEWAYS AND J-HOOKS. INSTALL CABLES IN RACEWAY WHERE ROUTED IN CONSOLES, CABINETS, DESKS, AND COUNTERS. INSTALL CABLING WITH HORIZONTAL AND VERTICAL CABLE GUIDES IN TELECOMMUNICATIONS SPACES WITH TERMINATING HARDWARE AND INTERCONNECTION EQUIPMENT. WHERE CABLES ARE ROUTED ABOVE ACCESSIBLE LAY-IN TILE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS A MINIMUM OF 8 INCHES (200 MM) ABOVE CEILINGS AND NOT MORE THAN 60 INCHES (1524 MM) APART. CABLE SHALL NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. INSTALL CABLES IN OPEN CEILINGS (FINISHED AND UNFINISHED) IN RACEWAYS, WHERE RACEWAYS ARE INSTALLED IN FINISHED CEILINGS, PAINT RACEWAYS TO MATCH THE COLOR OF THE SURROUNDING SURFACE.
10. REFER TO EY SHEETS FOR QUANTITIES AND LOCATIONS OF DEVICES.
11. PROVIDE DEDICATED RUN OF WINDY CITY #4461030 (YELLOW BANANA CABLE) TO EACH DOOR.
12. PROVIDE A MINIMUM OF 500 CREDENTIAL CARDS AND CARD PRINTER.

NEW ACCESS CONTROL PANEL CAN MUST BE SURFACE MOUNTED.

PROVIDE ALL REQUIRED HARDWARE, DOOR CONTROLLERS, SOFTWARE, POWER SUPPLIES AND BATTERIES AS NECESSARY TO CONNECT ALL NEW WIRED ACCESS CONTROLS DOORS AS SHOWN.

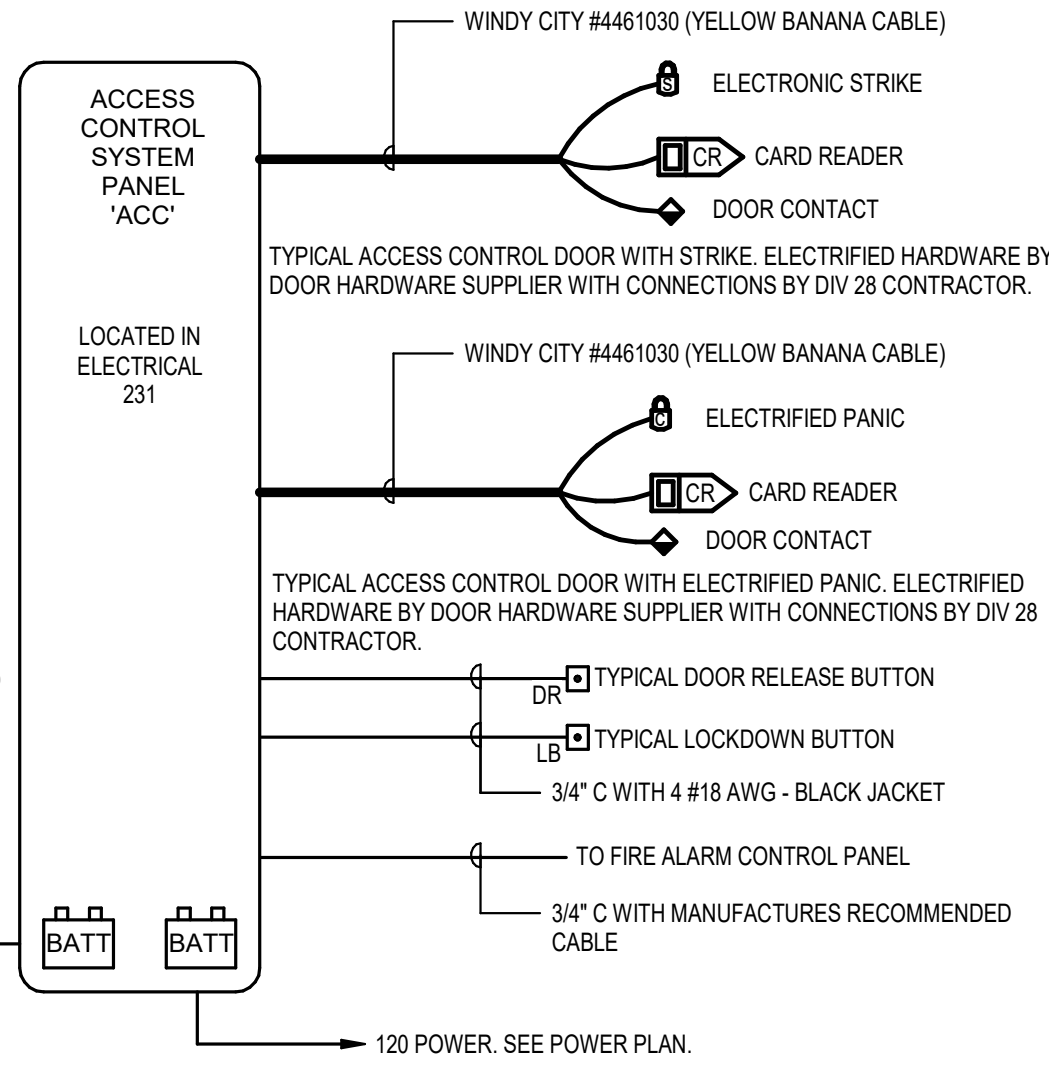
ACCESS CONTROL PANEL TO POWER ALL ELECTRONIC OR ELECTRIFIED HARDWARE AT ACCESS CONTROLLED DOOR. PROVIDE PANELS IN QUANTITY AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.



NEW ACCESS CONTROL PANEL CAN MUST BE SURFACE MOUNTED.

PROVIDE ALL REQUIRED HARDWARE, DOOR CONTROLLERS, SOFTWARE, POWER SUPPLIES AND BATTERIES AS NECESSARY TO CONNECT ALL NEW WIRED ACCESS CONTROLS DOORS AS SHOWN.

ACCESS CONTROL PANEL TO POWER ALL ELECTRONIC OR ELECTRIFIED HARDWARE AT ACCESS CONTROLLED DOOR. PROVIDE PANELS IN QUANTITY AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.



1 ACCESS CONTROL SYSTEM RISER DIAGRAM
SCALE: 1/2" = 1'-0"

ACCESS CONTROL DOOR SEQUENCE OF OPERATIONS:

EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS FOLLOWS:

1. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS DIRECTED BY THE OWNER FOR LOCKING AND UNLOCKING DURING NORMAL HOURS OF OPERATIONS.
2. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL GO INTO DOWN MODE AND LOCK ALL EXTERIOR DOORS ONCE THE LOCK DOWN / DURESS BUTTON IS PUSHED. PUSHING THE LOCK DOWN BUTTON AGAIN WILL RETURN ALL THE EXTERIOR DOORS TO THE STATE OF FUNCTION PRIOR TO THE LOCK DOWN BUTTON BEING PUSHED.
3. ONCE THE LOCK DOWN / DURESS BUTTON IS PUSHED AND THE ACCESS CONTROLLED DOORS ARE IN LOCK DOWN MODE, THE SYSTEM SHALL CALL THE MONITORING COMPANY AND NOTIFY THE MONITORING COMPANY THAT THE SCHOOL IS ON LOCK DOWN AND DISPATCH AS PREDETERMINED BY THE OWNER.

DOOR ROUGH-IN GENERAL NOTES:

1. CONTRACTOR SHALL WORK CLOSELY WITH THE DOOR HARDWARE SUPPLIER AND ACCESS CONTROL SYSTEM SUPPLIER FOR DOOR REQUIREMENTS, ROUGH-IN AND WIRING.
2. CONTRACTOR SHALL COORDINATE ALL JUNCTION BOX ROUGH-IN LOCATIONS WITH THE OWNER AND ACCESS SYSTEM CONTROL SYSTEM SUPPLIER PRIOR TO ANY ROUGH-IN.
3. ALL CABLING TO DEVICES THAT ARE INSTALLED WITHIN DOOR OR MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE INSTALLATION WITH THE WINDOW SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN.

ACCESS CONTROL SYSTEM HARDWARE GENERAL NOTES:

1. ALL DOOR POSITION SWITCHES, DOOR CONTACT SWITCHES, MAGNETIC DOOR HOLDERS, ELECTRIC STRIKES, ETC. ARE FURNISHED BY THE DOOR HARDWARE SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE DOOR HARDWARE SUPPLIER. SEE DOOR HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL CARD READERS, DOOR RELEASE BUTTON, LOCK DOWN / DURESS BUTTONS, ETC ARE FURNISHED BY THE ACCESS CONTROL SYSTEM SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE ACCESS CONTROL SYSTEM SUPPLIER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ACCESS CONTROL COORDINATION REQUIREMENTS:

CODE REFERENCES AND REQUIREMENTS:

- 2016 NFPA 101 - LIFE SAFETY CODE
 - 7.2.1.5.6(2) REQUIRES THAT LOSS OF POWER WILL UNLOCK THE ELECTRICALLY CONTROLLED DOOR HARDWARE.
 - 7.2.1.6.2.(4) REQUIRES THAT ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM UNLOCK ALL DOORS LOCATED IN THE PATH OF EGRESS. 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES

- 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES
 - 6.1.3.4 REQUIRES THAT POWER OPERATED FIRE DOORS HAVE A RELEASING DEVICE TO AUTOMATICALLY RELEASE POWER UPON FIRE ALARM.
 - 6.4.4.3.3 REQUIRES THAT FIRE RATED DOORS BE POSITIVELY LATCHED TO MAINTAIN THE FIRE RATING. ALL ELECTRIC STRIKES USED IN FIRE RATED DOORS MUST BE FAIL SECURE.

2012 IBC - INTERNATIONAL BUILDING CODE

- 1010.1.8.8 REQUIRES ELECTROMAGNETICALLY LOCKED DOORS HAVE A SENSOR RELEASE SWITCH EITHER AUTOMATIC OR BY A READILY ACCESSIBLE WALL MOUNTED PUSHBUTTON TO RELEASE THE LOCK WITHIN 5' OF THE DOOR.

INTEGRATION WITH FIRE ALARM

ALL MAGNETIC LOCKS SHALL BE UNLOCKED DURING A GENERAL FIRE ALARM. THIS ACTION IS NOT REQUIRED IF SYSTEM IS IN ALARM BY MEANS OF A MANUAL PULL STATION. AUTOMATIC DETECTION DEVICES SUCH AS SMOKE DETECTORS OR SPRINKLER FLOW REQUIRE UNLOCKING AND THE DOOR MUST REMAIN UNLOCKED UNTIL FIRE ALARM SYSTEM RESET. CONTRACTOR SHALL INCLUDE ALL FIRE ALARM INTERFACE EQUIPMENT SUCH AS ADDRESSABLE CONTROL MODULES OR BY CONTACT CLOSURE SIGNALING TO THE ACCESS CONTROL PANELS AS NECESSARY TO MEET THE CODE REQUIREMENTS. ALL DOORS IN STAIRWELLS MUST ALLOW FOR RE-ENTRY.

TO ENSURE A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM AND TO ELIMINATE DELAYS, INSUFFICIENT OR UNNECESSARY WORK BY ALL OF THE ENTITIES INVOLVED, THE FOLLOWING STEPS SHALL BE COMPLETED. THE FAILURE TO DO SO RESULTING IN ADDED COSTS AND LOST TIME WILL BE BORN SOLELY BY THE CONTRACTOR. NO ADDITIONAL PAYMENTS WILL BE MADE BY THE OWNER TO COVER WORK DESCRIBED BELOW.

DURING THE BIDDING PROCESS:

1. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE FLOORPLAN DRAWINGS AND DETAILS ON THIS SHEET. THE FLOORPLANS WILL INDICATE WHICH DOORS HAVE ACCESS CONTROL EQUIPMENT REQUIRING ROUGH-IN. DEVICE LOCATIONS REQUIRING JUNCTION BOXES WILL BE SHOWN ON THE FLOORPLANS, BUT ALL CONDUIT AND HARDWARE REQUIREMENTS CAN ONLY BE DETERMINED BY REFERRING TO THE SPECIFIC DOOR ROUGH-IN DETAILS AND THE ARCHITECTURAL DOOR HARDWARE SPECIFICATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

2. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE SPECIFICATIONS, AND DEFINED EGRESS PATHS. IDENTIFY ACCESS CONTROLLED DOORS LOCATED IN FIRE RATED WALLS AND IN PATHS OF EGRESS REQUIRING ADDITIONAL CONTROL DEVICES.

3. THE ELECTRICAL CONTRACTOR SHALL VERIFY WHICH DOORS USING AN ELECTRIFIED EXIT DEVICE WILL REQUIRE 120V AT THE DOOR. THIS IS MANUFACTURER SPECIFIC AND MUST BE CONFIRMED WITH THE GENERAL CONTRACTOR ACCORDING TO WHICH HARDWARE SUPPLIER BEING USED. POST-BID, DURING THE SUBMITTAL PROCESS:

4. DURING THE SUBMITTAL PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW THE APPROVED DOOR HARDWARE SUBMITTAL TO CONFIRM THE FINAL HARDWARE SETS PRIOR TO ANY ROUGH-IN. ANY QUESTIONS SHALL BE ISSUED BY FORMAL RFI.
5. MEET WITH THE ACCESS CONTROL VENDOR TO REVIEW ALL FINAL INTEGRATION AND ROUGH-IN REQUIREMENTS. ONLY AFTER CONFIRMING THE FINAL DOOR HARDWARE AND ACCESS CONTROL SYSTEM REQUIREMENTS SHALL ANY ROUGH-IN WORK BEGIN.

GENERAL NOTES:

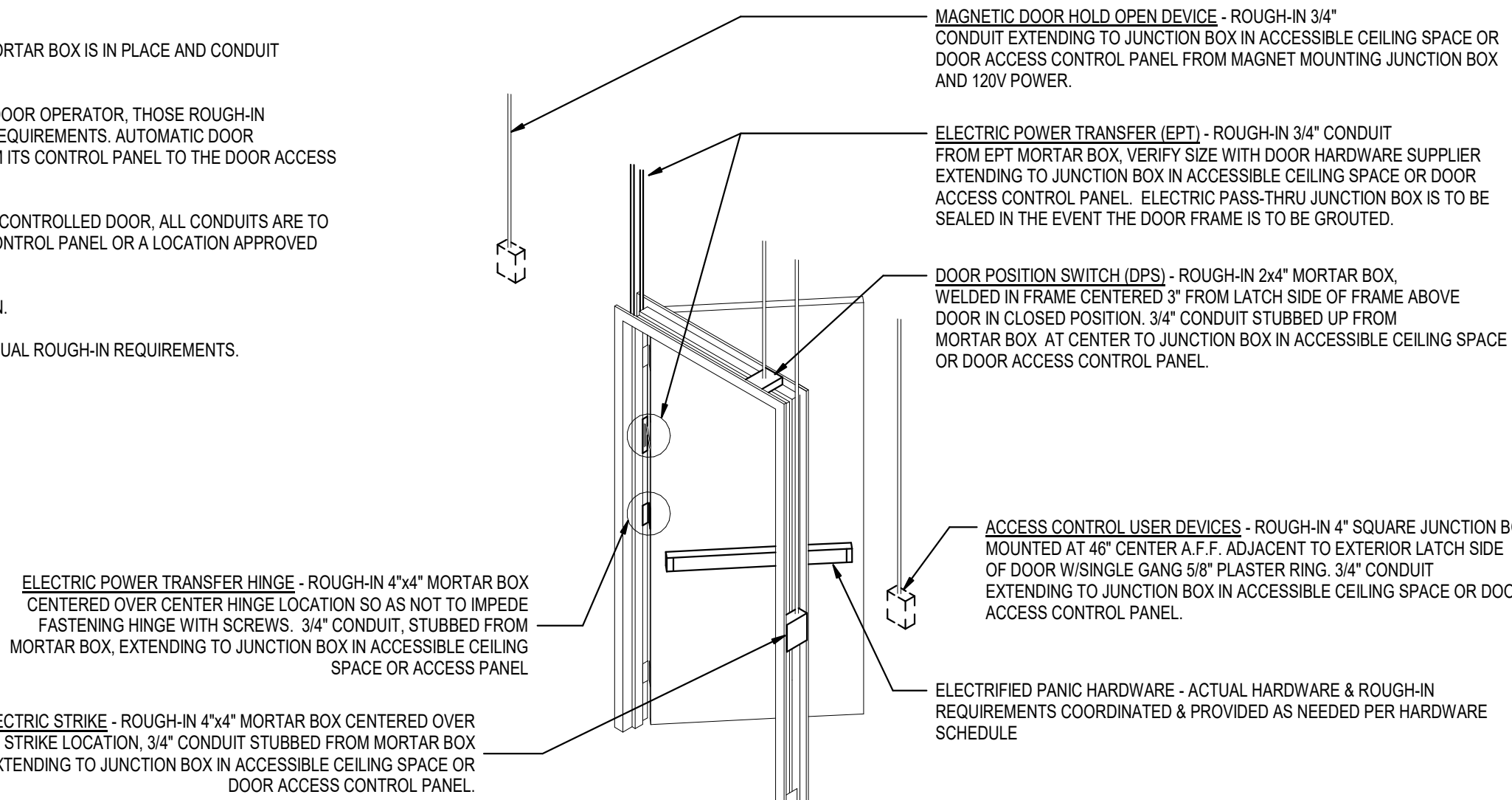
1. THE DOOR DETAILS SHOWN BELOW ARE GENERAL ROUGH-IN DETAILS AND NOT ALL DEVICES SHOWN MAY BE PRESENT FOR EACH DOOR. CONTRACTOR SHALL REFER TO THE DOOR HARDWARE SCHEDULE IN THE ARCHITECTS DRAWINGS AND SPECS TO DETERMINE WHAT DEVICES ARE PRESENT FOR EACH DOOR REQUIRING CARD ACCESS DOOR EQUIPMENT.
2. NOT ALL DOOR STYLE DETAILS SHOWN BELOW MAY BE INCLUDED IN THE PROJECT.
3. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
4. THE DOOR ROUGH-IN INFORMATION SHOWN ON THESE DRAWINGS ARE SCHEMATIC IN NATURE AND CANNOT ACCOUNT FOR ALL SPECIFIC VENDOR REQUIREMENTS, OR ACTUAL DOOR HARDWARE PROVIDED. COORDINATE SPECIFIC LOCATIONS WITH SECURITY CONTRACTOR AND APPROVED DOOR HARDWARE SCHEDULES PRIOR TO ROUGH-IN. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE CONDUIT RACEWAY SYSTEM AT THE DOOR AND BACK TO LOCAL ELECTRICAL ROOM.
5. IF REX IS NOT INCLUDED IN DOOR HANDLE OR EXIT DEVICE, PROVIDE BOX FOR WALL MOUNTED REX DEVICE. VERIFY WITH DOOR HARDWARE PRIOR TO ROUGH-IN.
6. PROVIDE CONDUIT AND DEVICE BACK BOX ROUGH-IN AT ALL CARD READER DOOR LOCATIONS. CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED AND ALL BOXES SHALL BE 4 SQUARE WITH A SINGLE GANG MUD RING FOR DEVICES OR JUST A SINGLE GANG BOX IF INSTALLED AT THE DOOR FRAME.
7. A SINGLE FIRE ALARM CONTROL MODULE MAY BE USED TO CONTROL THE POWER TO MULTIPLE DOORS IF COORDINATED WITH THE ACCESS CONTROL SYSTEM VENDOR TO WIRE DOORS SEPARATE FROM OTHER DOORS TOGETHER ON THE SAME POWER SUPPLY LOOP.
8. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL UNLESS A LOCATION IS DETERMINED TO BE ACCEPTABLE TO THE ENGINEER PRIOR TO INSTALLATION.

ABBREVIATIONS:

ADO - AUTOMATIC DOOR OPERATOR
AFF - ABOVE FINISHED FLOOR
AP - ACCESS CONTROL PANEL
CR - CARD READER
DHS - DOOR HARDWARE SUPPLIER
DPS - DOOR POSITION SWITCH
EPT - ELECTRIC POWER TRANSFER
ES - ELECTRIC STRIKE
MAG LOCK - MAGNETIC LOCK
RX - EXIT DEVICE
PB - DOOR RELEASE PUSH BUTTON (MANUAL REX)
REX - REQUEST TO EXIT
RFI - REQUEST FOR INFORMATION

GENERAL NOTES:

1. IF DOOR IS TO BE GROUTED MAKE SURE EPT MORTAR BOX IS IN PLACE AND CONDUIT CONNECTED AND SEALED.
2. IF DOOR IS TO BE EQUIPPED WITH AUTOMATIC DOOR OPERATOR, THOSE ROUGH-IN PROVISIONS SHALL BE IN ADDITION TO THESE REQUIREMENTS. AUTOMATIC DOOR OPERATORS SHALL HAVE COMPLETE RUN FROM ITS CONTROL PANEL TO THE DOOR ACCESS CONTROL PANEL AND INCLUDE 120V POWER.
3. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL OR A LOCATION APPROVED BY THE OWNER.
4. FOR DOUBLE DOORS, DUPLICATE THE ROUGH-IN.
5. DOOR HARDWARE SCHEDULE DETERMINES ACTUAL ROUGH-IN REQUIREMENTS.



2 TYPICAL BOX AND CONDUIT REQUIREMENTS ROUGH-IN DETAIL
SCALE: NTS



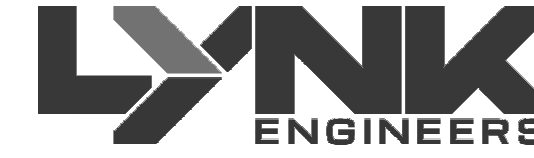
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
COMMUNITY SCHOOL

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MAPLETON, UT

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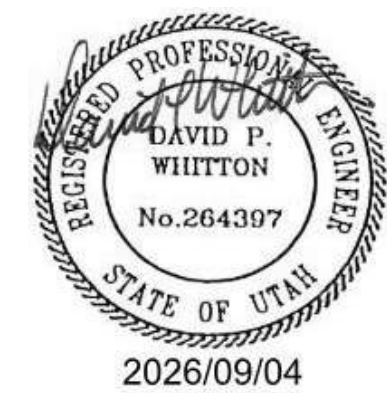
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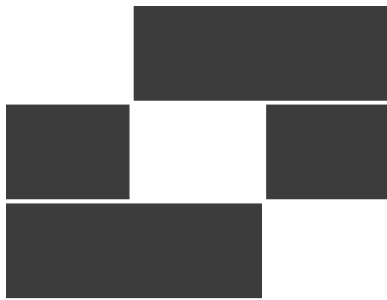


Sheet Title

ACCESS CONTROL
RISER DIAGRAMS

Sheet Number

EY602



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
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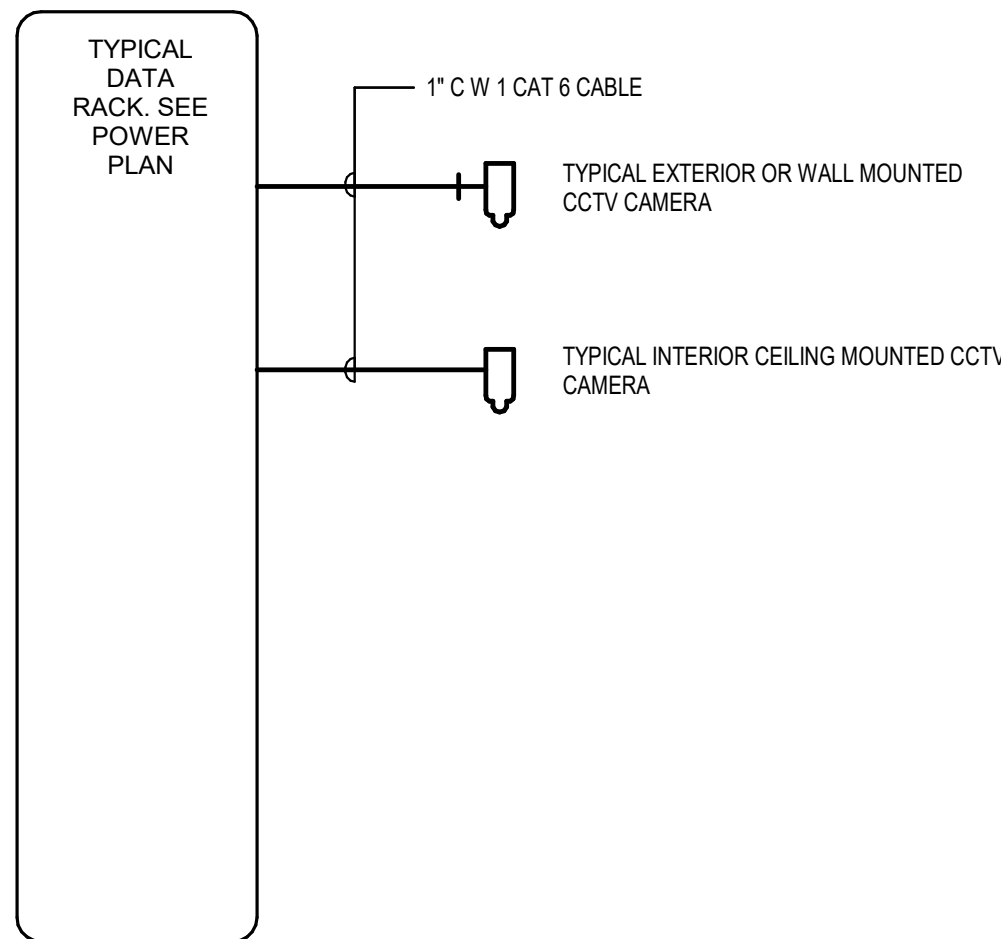
MAPLETON, UT

GENERAL SHEET NOTES

- FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.
- COORDINATE EXACT LOCATIONS AND QUANTITIES OF FLOW AND TAMPER SWITCHES WITH FIRE PROTECTION SHOP DRAWINGS PRIOR TO ROUGH-IN.
- ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.
- LOCATE DUCT DETECTORS SUCH THAT THEY ARE VISIBLE FROM FINISHED FLOOR WHERE POSSIBLE. PROVIDE REMOTE TEST SWITCH WHERE DUCT DETECTORS ARE CONCEALED FROM VIEW.
- CONTROL MODULE AND RELAY TIED INTO BAS PANEL FOR INPUT TO FAN SHUTDOWN UPON ACTIVATION OF DUCT OR SMOKE DETECTORS. COORDINATE RELAY SIZE AND VOLTAGE WITH EQUIPMENT.
- PROVIDE POTTER SASH-24 WEATHERPROOF EXTERIOR HORN/STROBE OR EQUAL AT FIRE DEPARTMENT CONNECTION LOCATION. DEVICE SHALL BE 24VDC POWERED BY TACP AND DIRECTLY WIRED THROUGH FLOW SWITCH SUCH THAT THE DEVICE WILL OPERATE UPON WATER FLOW AND SILENCE ONLY UPON CESSATION OF WATER FLOW. COORDINATE AND ADJUST LOCATION TO WITHIN 5 FEET OF FIRE DEPARTMENT CONNECTION LOCATION.
- TYPICAL CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.
- FIRE ALARM TERMINAL CABINET (FATC) LOCATION IS FOR REFERENCE ONLY. MULTIPLE PANELS MAY BE REQUIRED BASED ON FINAL FIRE ALARM SYSTEM CALCULATIONS.
- JUNCTION BOXES FOR ACCESS CONTROL DOORS TO BE MOUNTED IN ACCESSIBLE CEILING SPACES.
- PROVIDE ALL NECESSARY FIRE ALARM CONNECTIONS FOR FIRE-RATED DOORS, INCLUDING DOOR HOLDERS, MAGNETIC RELEASES, AND INTERLOCKS, AS REQUIRED FOR CODE-COMPLIANT OPERATION. FIRE-RATED DOORS SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM TO ENSURE AUTOMATIC RELEASE UPON FIRE ALARM ACTIVATION OR LOSS OF POWER. IN ACCORDANCE WITH NFPA 72, NFPA 80, AND LOCAL AHJ REQUIREMENTS. COORDINATE ALL DOOR HARDWARE AND ELECTRICAL CONNECTIONS WITH THE ARCHITECTURAL AND DOOR HARDWARE SCHEDULES.
- ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS.
- ACCESS CONTROL CABLING TO BE PLENUM RATED.
- SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS.
- SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.
- PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.
- SECURITY JUNCTION BOXES LOCATION ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.
- ACCESS CONTROL (ASC) PANEL LOCATION ROUTING IS FOR CABLE PULLING PURPOSES ONLY. MULTIPLE PANELS MAY BE REQUIRED BASED ON CARD READER COUNT.
- COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL SECURITY DEVICES WITH SECURITY INSTALLER PRIOR TO ROUGH-IN.
- FOR ALL CARD READERS MOUNTED IN MULLION, PROVIDE SLIM VERSION. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ORDERING AND ROUGH-IN.
- EACH OCCUPIED SPACE THAT CONTAINS CO DETECTION SHALL SOUND AN AUDIBLE ALARM ONCE CO IS DETECTED AT MORE THAN 70 PPM FOR ONE HOUR PER IFC 915.7.3.1 AND UTAH STATE AMENDMENTS.
- CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN ONSITE LOCATION THAT IS STAFFED BY SCHOOL PERSONNEL (REMOTE ANNUNCIATOR IN ADMINISTRATION OFFICE) PER IFC 915.2.3.1 AND UTAH STATE AMENDMENTS.
- BLUE STROBES TO ACTIVATE WHEN CARBON MONOXIDE IS DETECTED IN THE FACILITY IN EXCESS OF 70 PPM FOR ONE HOUR AND SHALL REQUIRE A MANUAL RESET FOLLOWING AND ALARM ACTIVATION PER IFC 915.7.3.2, 915.7.3.2.1 AND UTAH STATE AMENDMENTS.

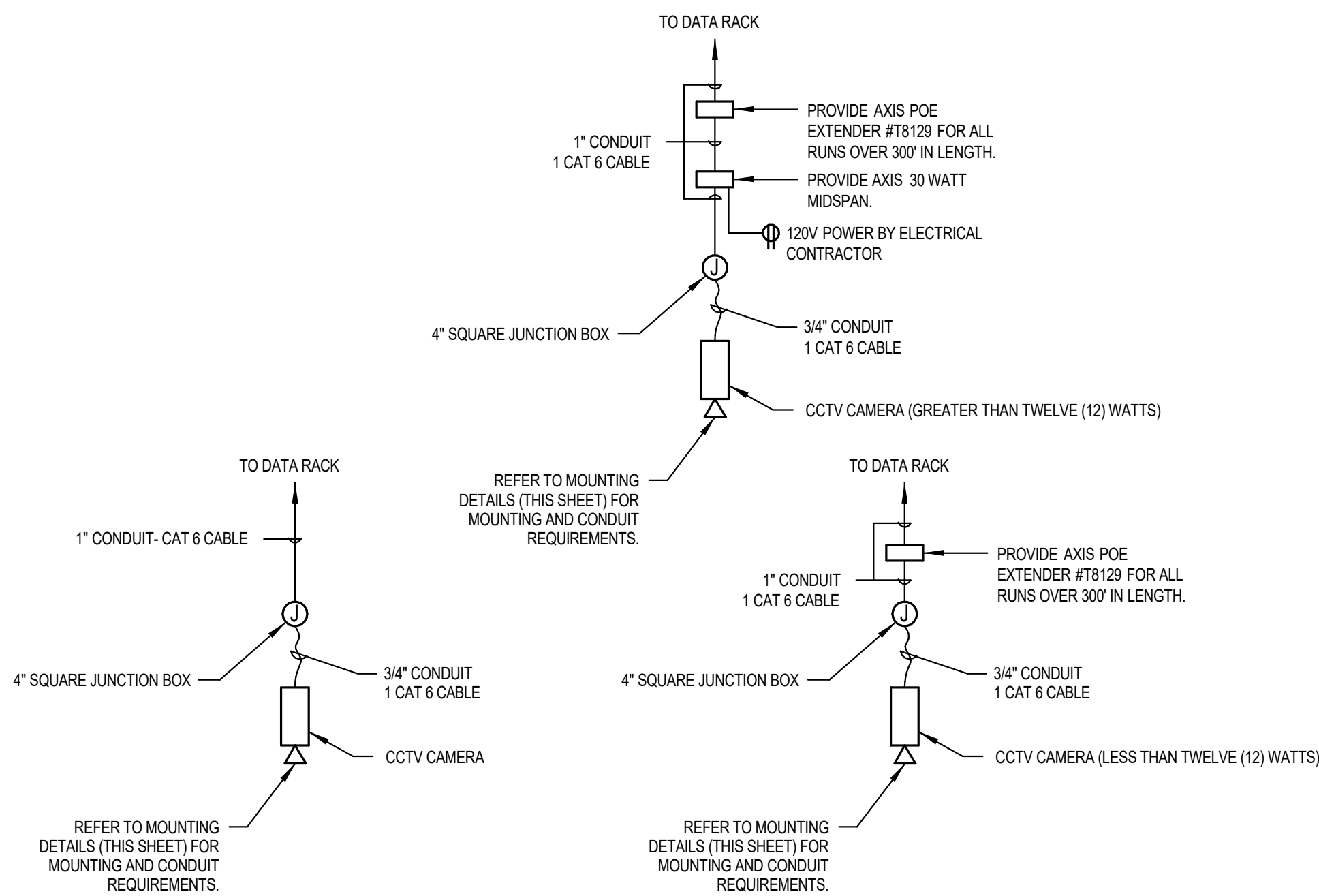
CCTV SYSTEM GENERAL NOTES:

- PROVIDE AXIS (BASIS OF DESIGN) CCTV SYSTEM. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CONFIRM ALL WIRING REQUIREMENTS WITH CCTV SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
- THE SYSTEM SHALL BE PROGRAMMED PER ALL OWNERS REQUIREMENTS. VERIFY PRIOR TO ANY PROGRAMMING.
- WIRING SHALL BE CONTINUOUS FROM ONE CAMERA TO ANOTHER. NO SPLICING IS ALLOWED.
- PROVIDE CCTV MAP OF THE BUILDING SHOWING ALL CCTV SYSTEM DEVICES, INCLUDING EXISTING. LOCATE MAP IN LOCATION AS DIRECTED BY THE OWNER.
- ALL CCTV CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 1".
- VERIFY ALL LOCATIONS OF CCTV DEVICES WITH THE OWNER PRIOR TO ANY ROUGH-IN.
- THE CCTV SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE CCTV SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND COPYING AND SUBMITTING THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED.
- INSTALL CABLES IN RACEWAYS AND J-HOOKS. INSTALL CABLES IN RACEWAY WHERE ROUTED IN CONSOLES, CABINETS, DESKS, AND COUNTERS. INSTALL CABLING WITH HORIZONTAL AND VERTICAL CABLE GUIDES IN TELECOMMUNICATIONS SPACES WITH TERMINATING HARDWARE AND INTERCONNECTION EQUIPMENT. WHERE CABLES ARE ROUTED ABOVE ACCESSIBLE LAY-IN TILE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS A MINIMUM OF 8 INCHES (200 MM) ABOVE CEILINGS AND NOT MORE THAN 60 INCHES (1524 MM) APART. CABLE SHALL NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. INSTALL CABLES IN OPEN CEILINGS (FINISHED AND UNFINISHED) IN RACEWAYS. WHERE RACEWAYS ARE INSTALLED IN FINISHED CEILINGS, PAINT RACEWAYS TO MATCH THE COLOR OF THE SURROUNDINGS SURFACE.
- REFER TO EY SHEETS FOR QUANTITIES AND LOCATIONS OF DEVICES.



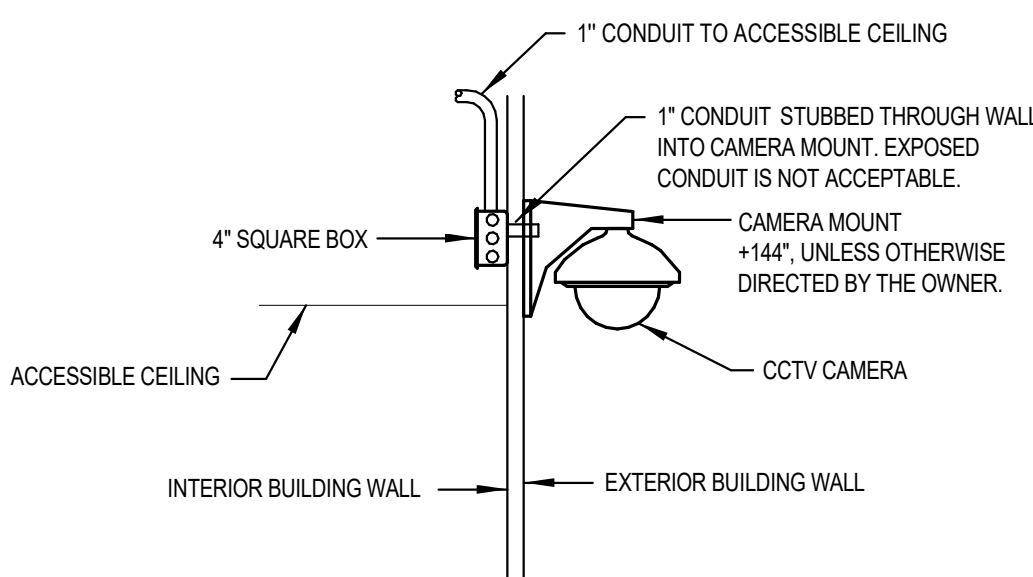
1 CCTV SYSTEM RISER DIAGRAM

SCALE: NTS



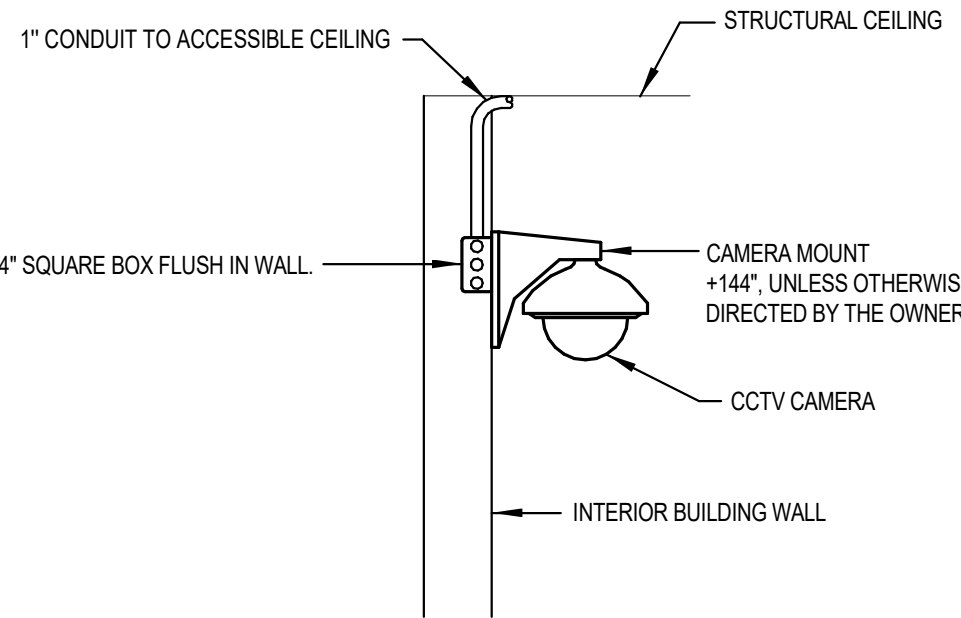
3 CCTV SYSTEM WIRING DETAILS

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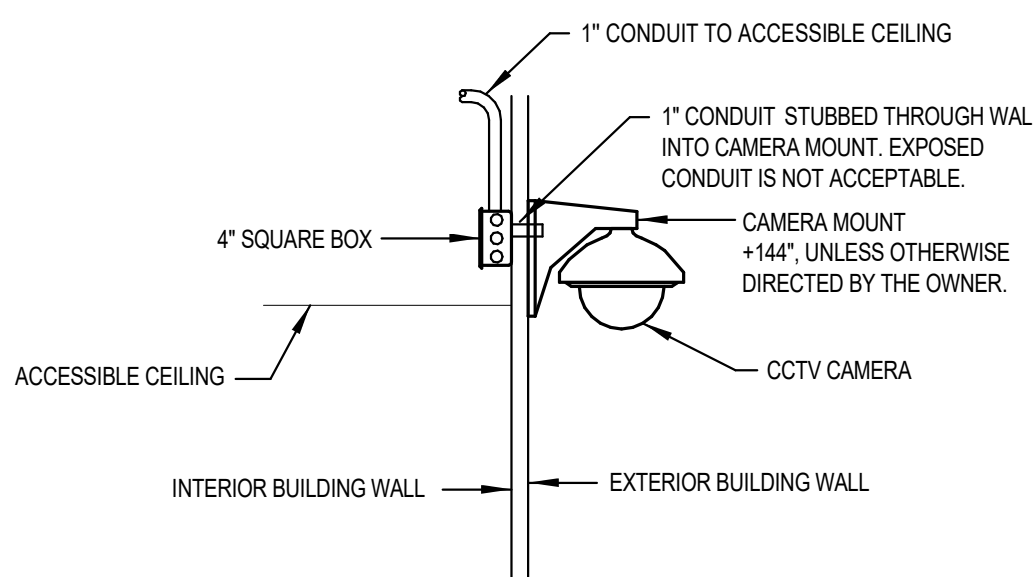
EXTERIOR WALL MOUNTED CAMERA DETAIL

SCALE: NONE



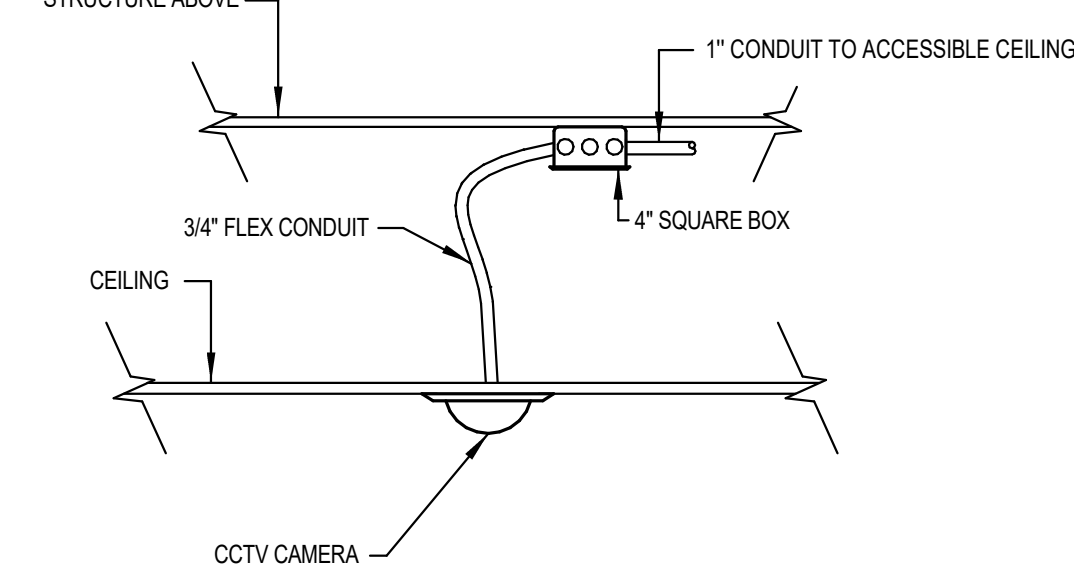
INTERIOR WALL MOUNTED CAMERA DETAIL

SCALE: NONE



EXTERIOR CORNER MOUNTED CAMERA DETAIL

SCALE: NONE



INTERIOR CEILING MOUNTED CAMERA DETAIL

SCALE: NONE

2 CCTV SYSTEM ROUGH-IN DETAILS

SCALE: NTS

Revisions

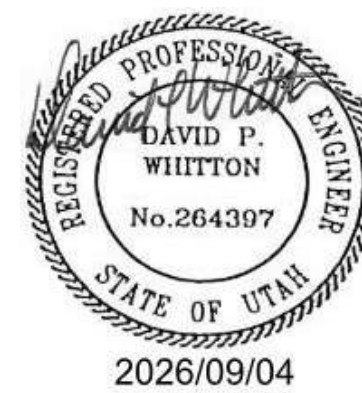
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Project Number	26526
Original Issue	09/04/2026
Project Status	Permit & Bid Set

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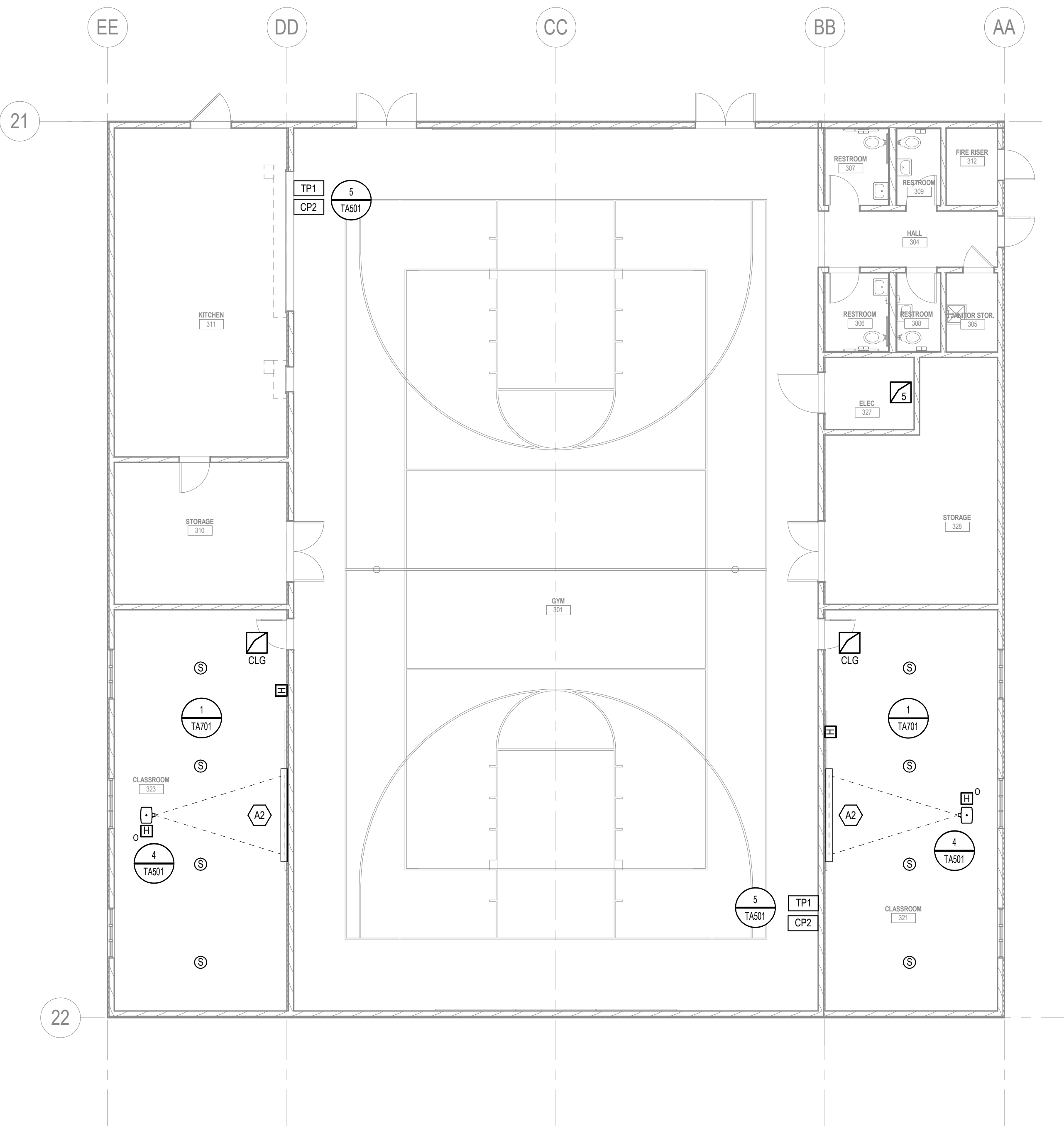


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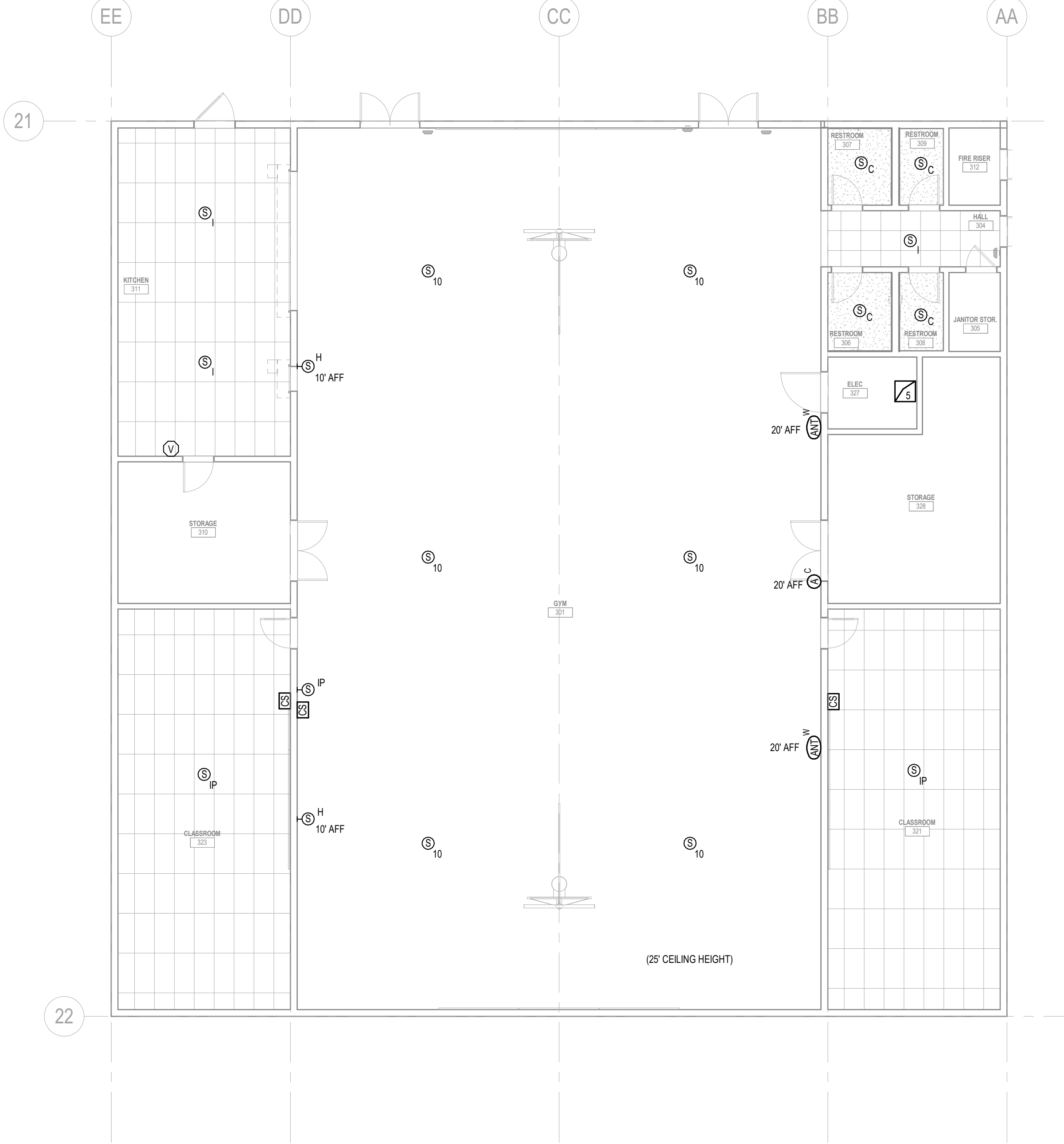
CCTV RISER
DIAGRAMS

Sheet Number

EY603



1 POLE BARN AUDIO VISUAL PLAN
1/8" = 1'-0"

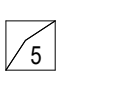
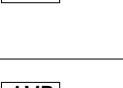
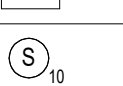
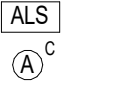
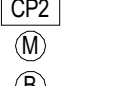
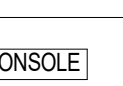
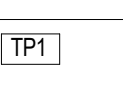
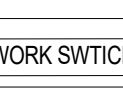
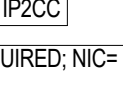
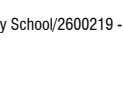


2 BARN AV CEILING PLAN
1/8" = 1'-0"

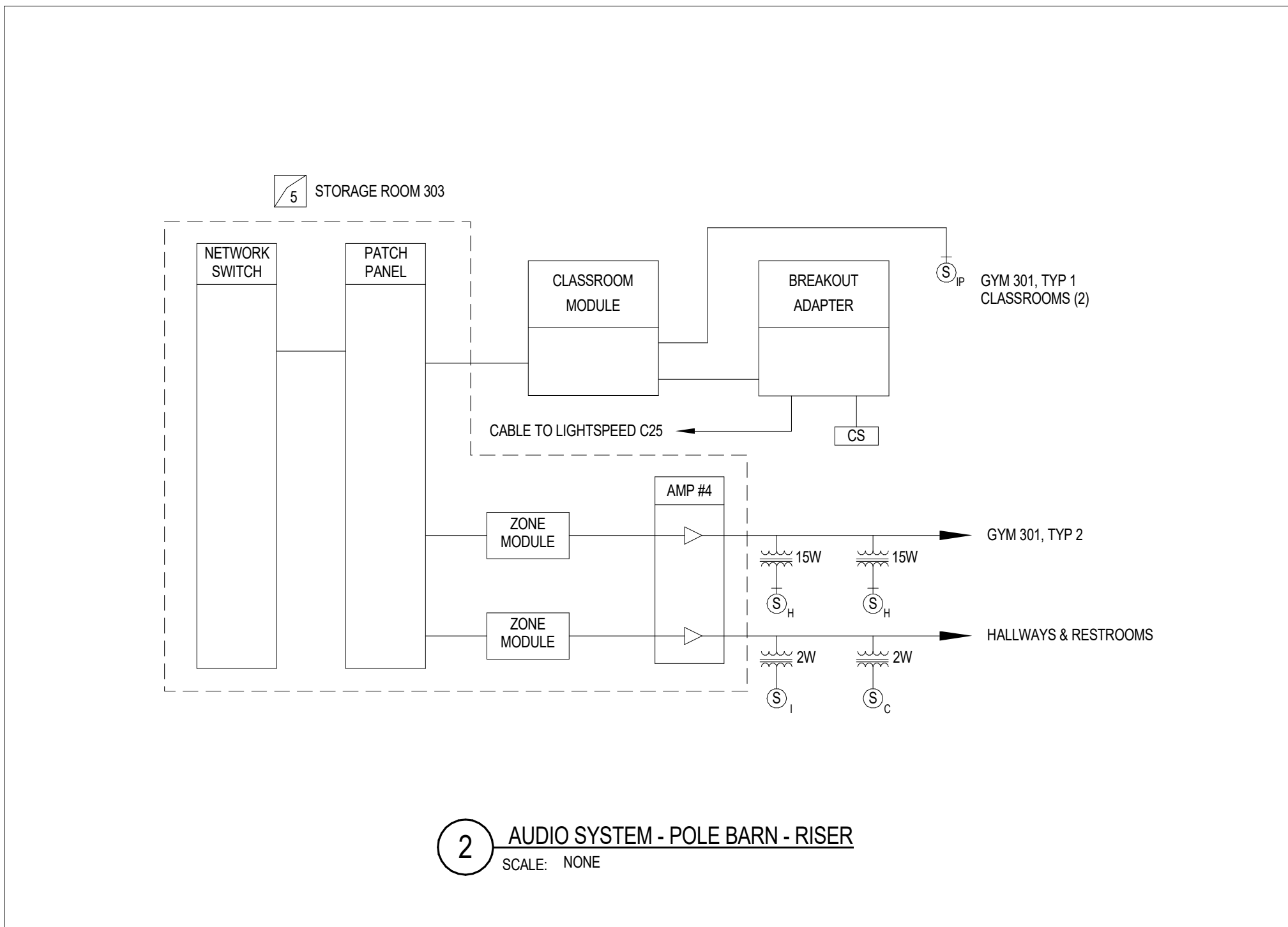
GENERAL A/V NOTES

- NO CHANGES SHALL BE MADE WITHOUT THE AV CONSULTANT'S WRITTEN CONSENT.
- TO MINIMIZE SIGNAL CROSS TALK, GROUP CABLES ACCORDING TO SIGNALS BEING CARRIED. MAINTAIN SEPARATION BETWEEN POWER AND ALL OTHER CABLE GROUPS OF AT LEAST 24", AND 8" BETWEEN ALL OTHER CABLE GROUPS WHEN RUN IN PARALLEL. GROUPS SHALL BE:
 - POWER
 - CONTROL
 - VIDEO
 - MIC LEVEL AUDIO CABLES (LESS THAN +20dBm)
 - LINE LEVEL AUDIO CABLES (+20dBm TO +20dBm)
 - SPEAKER LEVEL CABLES (+20dBm OR GREATER)
 - DATA CABLES
- PROVIDE #6 AWG THIN WIRE W/ GREEN INSULATION FROM EACH AV EQUIPMENT CABINET TO THE NEAREST MAIN BUILDING GROUND. CONNECT GROUNDING WIRE TO BARE METAL ON EQUIPMENT CABINET.
- COLORS OF ALL SOUND DEVICES THAT ARE EXPOSED, INCLUDING INPUT AND OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, SPEAKER ENCLOSURES, SPEAKER MOUNTING HARDWARE, ETC. SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO ORDERING.
- CABLE ROUTES SHOWN ON DRAWINGS DO NOT ACTUALLY REFLECT THE RACEWAYS. THE RACEWAYS SHALL BE DETERMINED IN THE FIELD.
- LABEL ALL THE WIRELESS HANDHELD MICROPHONES AND BELT PACKS WITH NAMES OR NUMBERS FOR EASY IDENTIFICATION.
- REFER TO RISER DIAGRAMS AND EQUIPMENT LISTS FOR THE TYPES AND NUMBERS OF WIRES REQUIRED FOR EACH AV DEVICE.
- SETUP COMPRESSORS AND LIMITERS IN ALL OF THE DSPS TO PROTECT THE AMPLIFIERS AND SPEAKERS. ALSO, SETUP A PASSWORD ON THE DSPS, TO CONTROL THE ACCESS TO THEM. COORDINATE W. OWNER TO DETERMINE APPROPRIATE PASSWORDS.
- THE LIGHTSPEED CLASSROOM SYSTEM IS THE BASIS OF DESIGN FOR THE CLASSROOM VOICE-LIFT SYSTEM. AN EQUIVALENT AUDIO ENHANCEMENT SYSTEM IS ACCEPTABLE AS AN APPROVED ALTERNATE. ANY CONTRACTOR ELECTING TO PROVIDE AN APPROVED ALTERNATE SYSTEM AS PART OF THEIR BID SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL BACKBOXES, CONDUITS, WIRING, AND ASSOCIATED INFRASTRUCTURE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL CLASSROOM VOICE-LIFT SYSTEM. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY PROGRAMMING, CONFIGURATION, INTEGRATION, TESTING, AND COMMISSIONING REQUIRED TO ENSURE THE ALTERNATE SYSTEM MEETS THE DESIGN INTENT AND SPECIFIED PERFORMANCE REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER.
- EQUALIZE ALL AUDIO SYSTEMS WITH DSP PRIOR TO SYSTEM COMMISSIONING.
- AUDIO INPUT AND OUTPUT LEVELS SHALL BE BALANCED. EQUALIZERS SHALL BE SET TO THE FOLLOWING PARAMETERS AS MEASURED IN 1/5 OCTAVE BANDS FROM 10HZ TO 2 KHZ:
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 - SLOPE DOWN ALONG AN APPROXIMATED 3 DBA PER OCTAVE SLOPE FROM 0 TO 71HZ AND 17KHZ AND UP.
- USE SEPARATE CHANNEL FOR EACH ASSISTIVE LISTENING SYSTEM 'ALS' IN THE FACILITY. PROGRAM ALL RECEIVERS, REGARDLESS OF WHICH ALS THEY ARE ASSOCIATED WITH SO THAT USERS MAY SELECT ANY OF THE AVAILABLE CHANNELS.
- REGARDLESS OF WEATHER OR NOT CABLE SHOWN ON EQUIPMENT LIST, ALL CABLES INSTALLED IN PLENUM SPACES, SHALL BE PLENUM RATED.

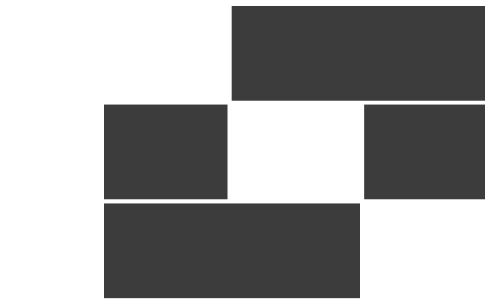
A2 INSTALL THE SPECIFIED FSR PWB-100 WITH (2) 5406 SINGLE GANG BOXES BEHIND THE WHITE BOARD IN EVERY CLASSROOM. THE CONDUITS THAT ARE REQUIRED FOR THE POWER AND DATA ARE SPECIFIED ON THE ELECTRICAL DRAWINGS.

AUDIO SYSTEM - POLE BARN - EQUIPMENT LIST					
SYMBOL	DESCRIPTION	QTY/RM	SUPPLIER	MODEL	CABLE
	EQUIPMENT RACK	OFF 1			CONDUITS IN SIZES AS REQUIRED
	SPECIFIED ON ELECTRICAL DRAWINGS	1	SURSEX	SK1122RT	INSTALL IN RACK
	DIGITAL SIGNAL PROCESSOR W/ REQUIRED UCI, SCRIPTING, AND DANTE LICENCES	OFF	Q-SYS	CORE 24F	INSTALL IN RACK
	AMPLIFIER #1, 70V	OFF	CROWN	DCI 3300	INSTALL IN RACK
	CEILING SPEAKERS	OFF	BIAMP	DX-IC10	3/4" C. THROUGHOUT
	WIRELESS MICROPHONE SYSTEM	2		ULXD-4	
	RECEIVER	2	SHURE	UA864US	2-GANG BOX
	ANTENNA, ACTIVE	1	SHURE	UA844+SWBL/C	1" C. RACK #1
	POWERED ANTENNA DISTRIBUTOR	2	SHURE	UA834	
	INLINE ANTENNA AMPLIFIER	1	SHURE	ULXD2-SM68	
	HANDHELD MIC	1	SHURE	ULXD1/MX153	
	BODY PACK TRANSMITTER & MIC	1	SHURE	SBC220	
	TABLE TOP MICROPHONE CHARGER	2	SHURE	S8000B	
	SPARE BATTERIES	2	SHURE	S8000B	
	ASSISTIVE LISTENING SYSTEM W/ TRANSMITTER, ANTENNA, RECEIVER	OFF	LISTEN TECH	LS-31-072	2-GANG BOX
	PROTECTIVE COVER FOR ANTENNA	1	CUSTOM		1" C. TO RACK #1
	CONNECTION PLATE #2, COORDINATE COLORS W/ ARCHITECT	OFF			3-GANG BOX
	MIC INPUTS	1/PLATE	ROL	D-XLR2F	3/4" C. TO RACK #1
	BLUETOOTH INPUT	1/PLATE	ROL	DB-BT1A	1" C. TO RACK #1
	BLUETOOTH RECEIVER, IN RACK	1/PLATE	ROL	TX-TPR2A	
	RACK MOUNT KIT	1/PLATE	ROL	TX-RRB1	
	AV NETWORK JACK		CUSTOM		
	POWER OUTLET HEIGHT				
	MIXING CONSOLE, 16CH	1	SOUNDCRAFT	SI PERFORMER 1	
	DANTE EXPANSION CARD	1	SOUNDCRAFT	5031819 V	
	TOUCH PANEL, 7", COORDINATE COLOR W/ ARCHITECT	OFF	Q-SYS	TSC-70-G3	2-GANG BOX
	PROTECTIVE COVER	1/EA	FSR	WB-TSC-SM-7	1" C. TO RACK #5
	AV NETWORK SWITCH	1			INSTALL IN RACK
	OWNER SUPPLIED				
	CONTACT CLOSURE MODULE	1	GLOBAL CACHE	ITACH IP2CC	INSTALL IN RACK

AR = AS REQUIRED; NIC = NOT IN CONTRACT; NR = NO REQUIREMENT; OFCI = OWNER FURNISHED CONTRACTOR INSTALLED; OFF = OBTAIN FROM PLANS; OFOI = OWNER FURNISHED & INSTALLED



2 AUDIO SYSTEM - POLE BARN - RISER
SCALE: NONE



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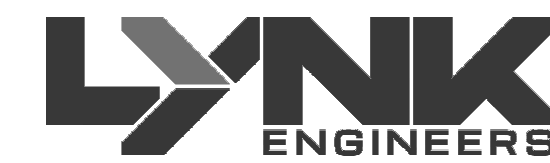
Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise

800 W Main Street, Suite 940
Boise, ID 83702
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babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
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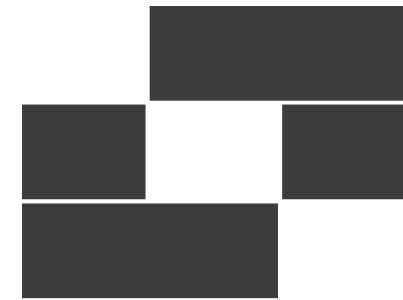


GENERAL A/V NOTES

- NO CHANGES SHALL BE MADE WITHOUT THE A/V CONSULTANT'S WRITTEN CONSENT.
- TO MINIMIZE SIGNAL CROSS TALK, GROUP CABLES ACCORDING TO SIGNALS BEING CARRIED. MAINTAIN SEPARATION BETWEEN POWER AND ALL OTHER CABLE GROUPS OF AT LEAST 24", AND 8" BETWEEN ALL OTHER CABLE GROUPS WHEN RUN IN PARALLEL. GROUPS SHALL BE:
 - POWER
 - CONTROL
 - VIDEO
 - MIC LEVEL AUDIO CABLES (LESS THAN +20dBM)
 - LINE LEVEL AUDIO CABLES (+20dBM TO +20dBM)
 - SPEAKER LEVEL CABLES (+20dBM OR GREATER)
 - DATA CABLES
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SHEET KEYNOTES

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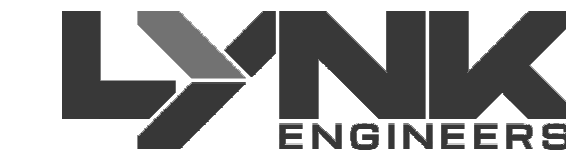
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
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COMMUNITY SCHOOL**

**NEW CHARTER
SCHOOL CAMPUS**

MAPLETON, UT

Revisions

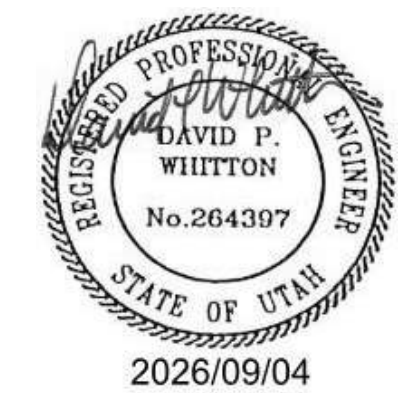
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Project Number 26526
Original Issue 09/04/2026
Project Status Permit & Bid Set

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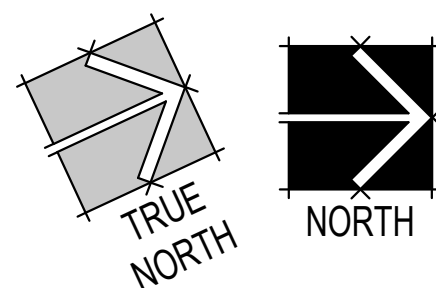
Sheet Title

**LEVEL 1 AUDIO
VISUAL PLAN**

Sheet Number

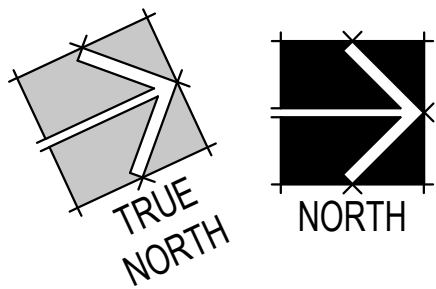
TA111

1 LEVEL 1 AUDIO VISUAL PLAN
10'-1/4"





1 LEVEL 2 AUDIO VISUAL PLAN
10' = 1'-0"

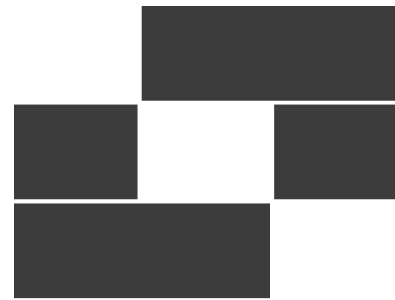


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 - SPEAKER LEVEL CABLES (+20dBm OR GREATER)
 - DATA CABLES
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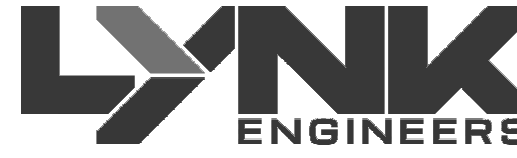
Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



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Salt Lake City, UT 84111
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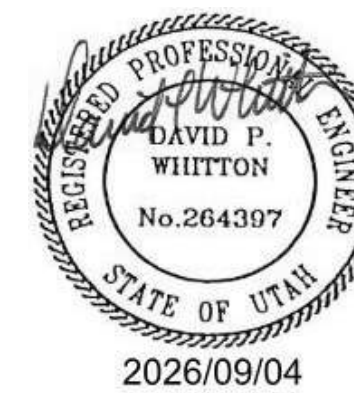
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Original Issue	09/04/2026
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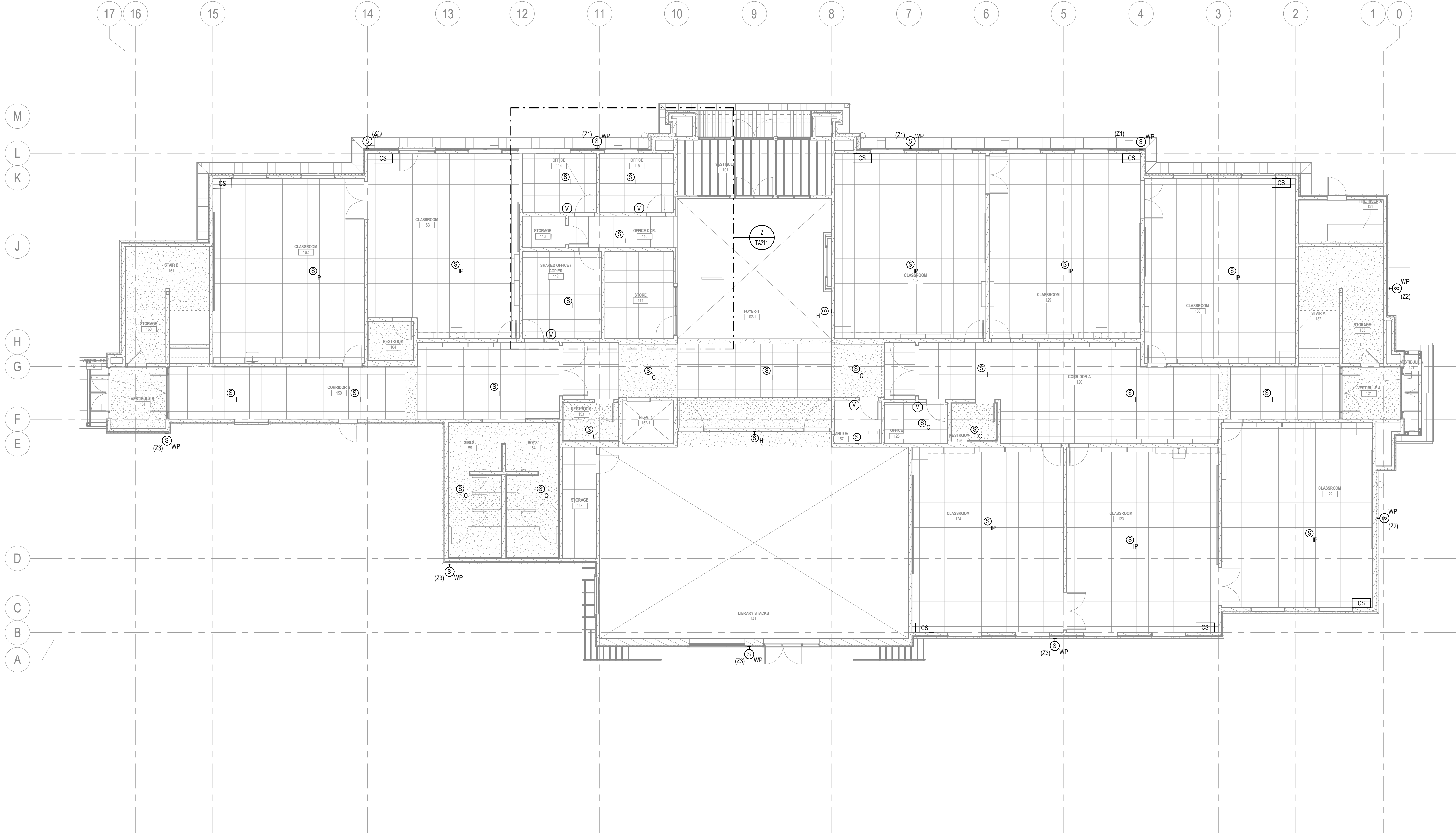


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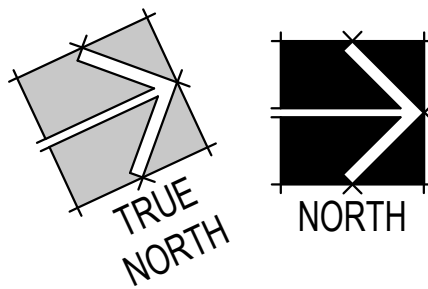
**LEVEL 2 AUDIO
VISUAL PLAN**

Sheet Number

TA121



1 | LEVEL 1 INTERCOM PLAN
1/8" = 1'-0"



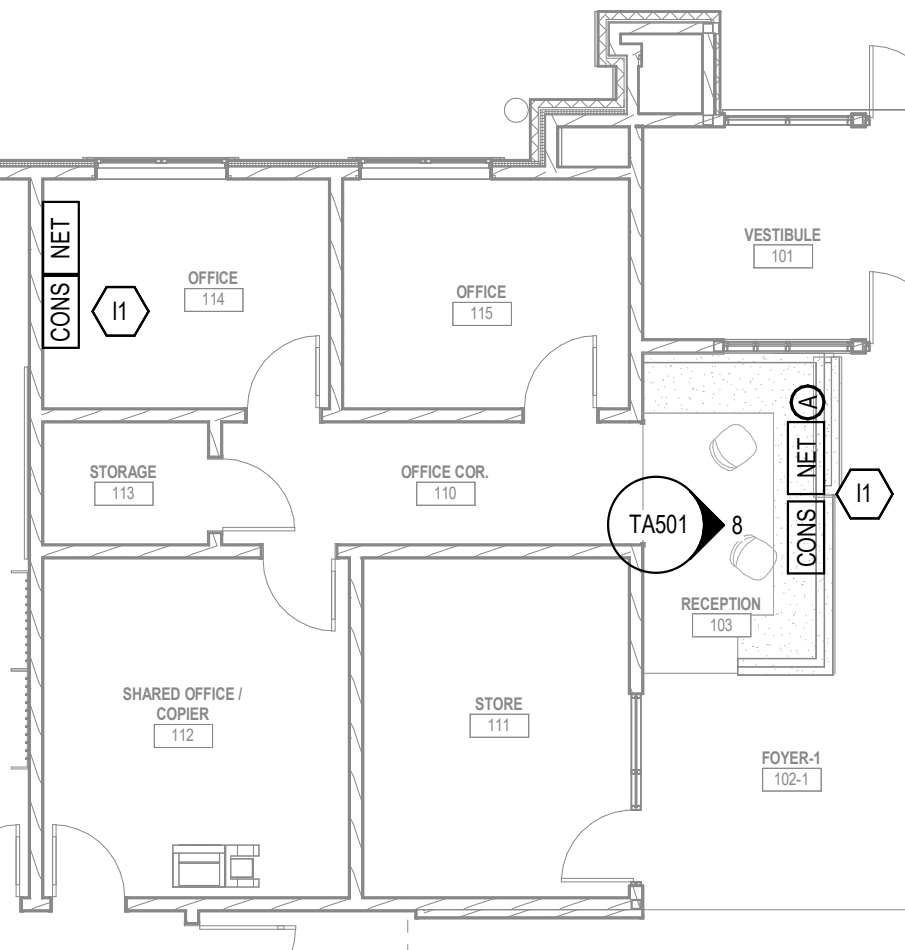
GENERAL INTERCOM NOTES

1. RUN 1 CAT6 CABLE WITH CONDUIT FROM THE INTERCOM MAIN CONTROLLER TO THE DIGITAL TELEPHONE HEADEND EQUIPMENT. PROGRAM THE OWNER SUPPLIED TELEPHONE SYSTEM SO THAT A DIGITAL TELEPHONE CAN PERFORM THE CALL CLASSROOM INTERCOM SYSTEM & PAGING FUNCTIONS OF AN INTERCOM CONSOLE.
2. WIRE ALL VOLUME CONTROLS SO THEY CONTROL ONLY SINGLE SPEAKER.
3. THE RAULAND INTERCOM SYSTEM IS THE BASIS OF DESIGN FOR THE SCHOOL'S INTERCOM SYSTEM. AN EQUIVALENT INTERCOM SYSTEM MANUFACTURED BY BOGEN OR TELECOR IS ACCEPTABLE AS AN APPROVED ALTERNATE.

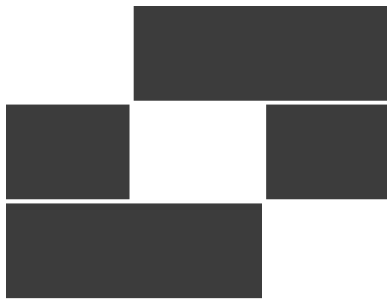
ANY CONTRACTOR ELECTING TO FURNISH AN APPROVED ALTERNATE SYSTEM SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ELECTRICAL CONTRACTOR TO PROVIDE ALL ADDITIONAL BACKBOXES, CONDUITS, WIRING, AND ASSOCIATED INFRASTRUCTURE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL INTERCOM SYSTEM. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL PROGRAMMING, CONFIGURATION, INTEGRATION, TESTING, COMMISSIONING, AND ANY OTHER WORK NECESSARY TO ENSURE THE ALTERNATE SYSTEM COMPLIES WITH THE DESIGN INTENT AND ALL SPECIFIED PERFORMANCE REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER.
4. PROGRAM AND INSTALL REQUIRED RELAY CABLES AND CONDUITS BETWEEN THE ACCESS CONTROL SYSTEM AND THE INTERCOM SYSTEM AS DESIRED BY OWNER. PROGRAM THE INTERCOM SYSTEM SO THAT THE SYSTEM MAY TRIGGER ACCESS CONTROL SYSTEM WHEN RELAYS ARE ENERGIZED OR DE-ENERGIZED.
5. AV SYSTEMS INTEGRATORS WHO WISH TO BID ON THIS PROJECT MUST BE TRAINED AND CERTIFIED BY CLASSROOM VOICE LIFT SYSTEM MANUFACTURER SPECIFIED FOR THIS PROJECT.
6. PROVIDE #6 AWG THIN WIRE W/ GREEN INSULATION FROM EACH AV EQUIPMENT CABINET TO THE NEAREST MAIN BUILDING GROUND. CONNECT GROUNDING WIRE TO BARE METAL ON EQUIPMENT CABINET.
7. COLORS OF ALL EXPOSED INTERCOM DEVICES INCLUDING INPUT & OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, AND SPEAKER ENCLOSURES SHALL BE REVIEWED BY OWNER PRIOR TO ORDERING.

SHEET KEYNOTES

11. THE CONTRACTOR SHALL CONSULT WITH THE OWNER TO CONFIRM THE LOCATIONS OF THE INTERCOM CONSOLE AND AUXILIARY INPUT PRIOR TO COMMENCING THE ROUGH-IN INSTALLATION.



2 | ADMIN AREA INTERCOM ENLARGED
1/8" = 1'-0"



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

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Consultant



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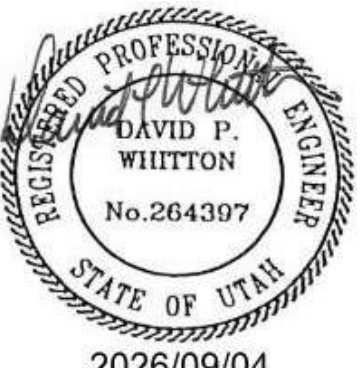
Num.	Description	Date
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Project Number | 25526
Original Issue | 09.04.2026
Project Status | Permit & Bid Set

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Sheet Title

LEVEL 1 INTERCOM
PLAN

Sheet Number

TA211

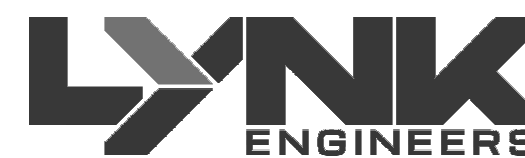


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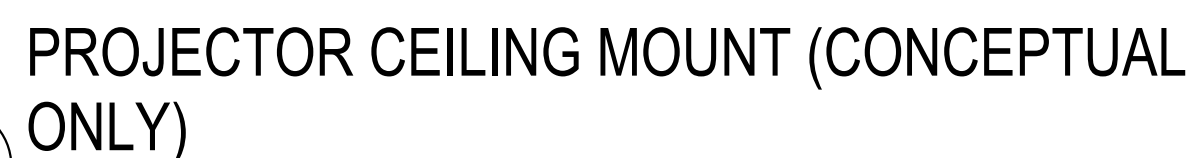


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MAPLETON, UT



SCALE: NTS



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



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



SCALE: 12" = 1'-0"



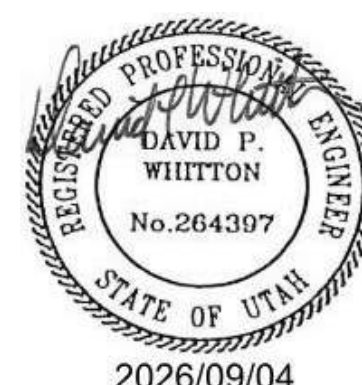
SCALE: 1/4" = 1'-0"

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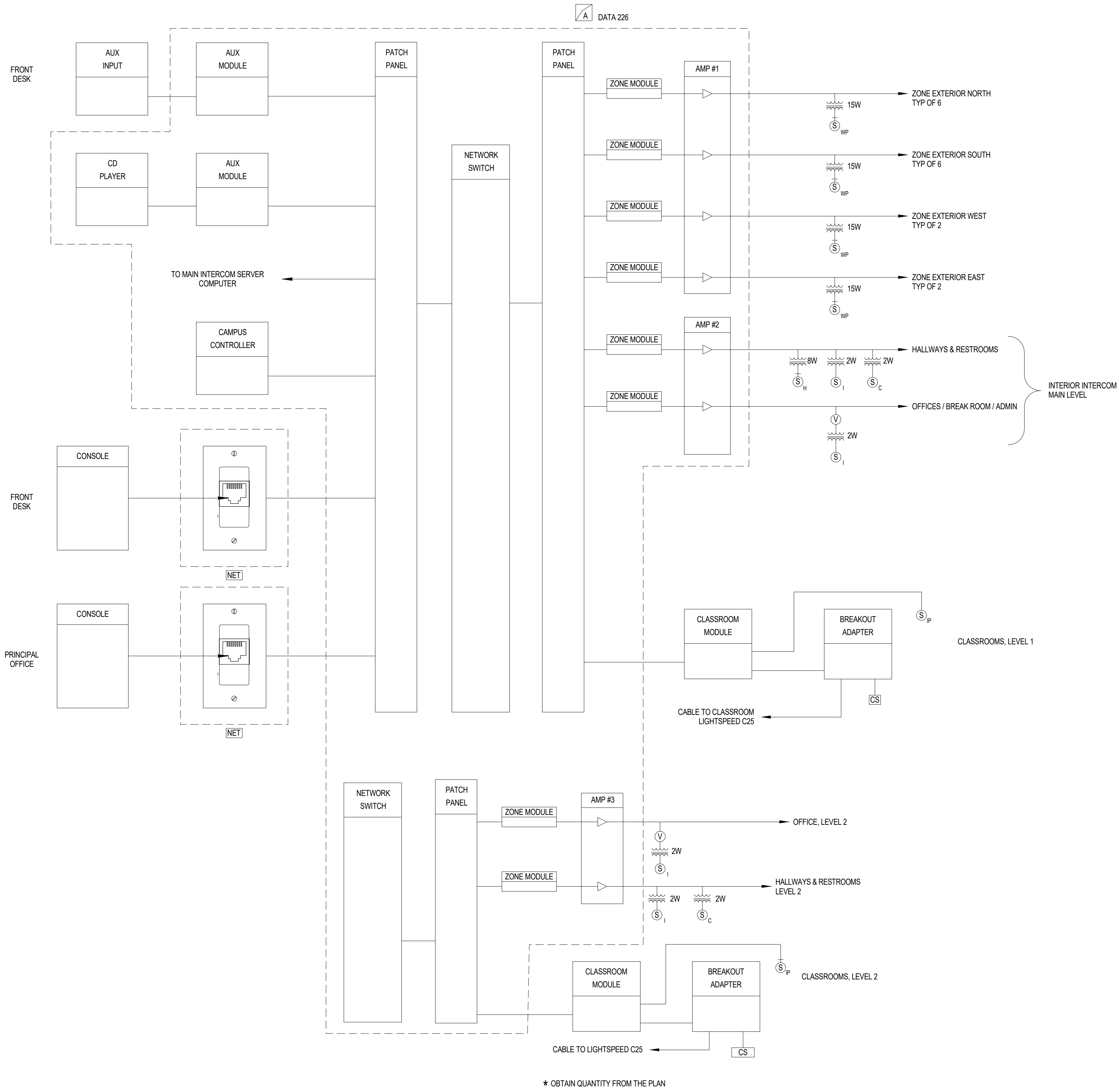
AUDIO VISUAL DETAILS

Sheet Number

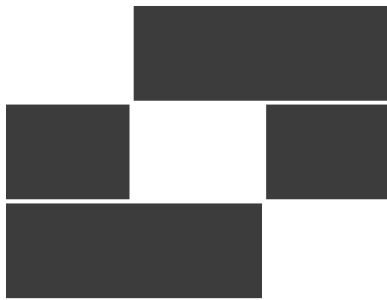
TA501

TYPICAL CLASSROOM - EQUIPMENT LIST					
SYMBOL	DESCRIPTION	QTY	SUPPLIER	MODEL	ROUGH IN
	EQUIPMENT RACK, AND WIRE MANAGEMENT HARDWARE	1			(3) 2" C. TO CABLE TRAY
	CAMPUS CONTROL	1	RAULAND BORG	TCC2000V2	
	SOFTWARE	1	RAULAND BORG	TCC2000SV	
	ZONE MODULE	A/R	RAULAND BORG	TCC2022	
	RACK SHELF FOR ZONE MODULE	A/R	MID ATLANTIC		
	AUX MODULE	A/R	RAULAND BORG	TCC2055	
	BLANK RACK PANEL	A/R	MIDDLE ATLANTIC	1RU, 3RU	
	VOLUME CONTROL SWITCH	A/R	QUAM	QC10	1 GANG, 3" DEEP
	ADMINISTRATIVE CONSOLE	2	RAULAND BORG	TCC2045	3/4" C. TO ACCESSIBLE CEILING
	CALL SWITCH	A/R	RAULAND BORG	TCC2211-PB	1 GANG, 3" DEEP
	RECESSED INTERIOR CEILING SPEAKER: ROUND BACK BOX	A/R	ATLAS SOUND	ER08U	3/4" C. TO ACCESSIBLE CEILING
	SPEAKER/GRIFFLE ASSEMBLY	A/R	ATLAS SOUND	SSB-2	PAINT GRILL IN COLOR AS SELECTED BY ARCHITECT
	TILE SUPPORT	A/R	ATLAS SOUND	SSB-2	PAINT GRILL IN COLOR AS SELECTED BY ARCHITECT
	HORN AND GRILL WITH WEATHERPROOF BACK BOX	A/R	ATLAS SOUND	VTF-157UCN	4-11/16" SQX2-18" DEEP
		A/R	ATLAS SOUND	MR EXTENSION RING	3/4" C. TO ACCESSIBLE CEILING
		A/R	ATLAS SOUND	FP MOUNTING PLATE	PAINT GRILL IN COLOR AS SELECTED BY ARCHITECT
	CLASSROOM MODULE	A/R	RAULAND BORG	TCC2011B	
	CAT5A PATCH PANEL	A/R			PATCH PANEL IS PROVIDED AND INSTALLED BY DIVISION 27 (DATA INTEGRATOR) AND CONNECTED BY DIVISION 27 (INTERCOM INTEGRATOR) SEE BY DRAWINGS FOR PATCH PANEL REQUIREMENTS
	POWER AMPLIFIER #2, #3	2	CROWN	DCI 2300	
	POWER AMPLIFIER #1	1	CROWN	DCI 4300	
	NETWORK SWITCHES ARE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR	OFCI			
	CD PLAYER	1	DENON	DN-500CB OR EQUIVALENT	
	RECESSED INTERIOR WALL SPEAKER: SQUARE BACK BOX	A/R	LOWELL	P875X-4	3/4" C. TO ACCESSIBLE CEILING
	SPEAKER	A/R	ATLAS SOUND	SD72	PAINT GRILL IN COLOR AS SELECTED BY ARCHITECT
	GRILL, WHITE	A/R	LOWELL	JGBX	
	IP CLASSROOM MODULE	A/R	RAULAND	TCC2011A	
	AUX INPUT	1	RDL	DS-MUP7	1 GANG, 3" DEEP
	OUTLET HEIGHT	1	EXTRON	ASA141	3/4" C. TO ACCESSIBLE CEILING
	IP SPEAKER, HARD CEILING, BACK BOX ENCLOSURE	A/R	QUAM	ER08	
	PLASTER RING SUPPORT	A/R	QUAM	SSB-7	
	SPEAKER ASSEMBLY	A/R	RAULAND	US0800 8 OHM	
	SPK PKG C10 T725W 62-8 STYL BFL	A/R	ATLAS	SD72W	
	IP CLASSROOM MODULE	A/R	RAULAND	TCC2011A	
	INTERCOM CONNECTION PLATE	A/R	CUSTOM	1-GANG PLATE, 1 RJ45	1-GANG BOX
	BREAKOUT ADAPTER	A/R	RAULAND BORG	603101	3/4" C. TO ACCESSIBLE CEILING
	VOLUME CONTROL, 100W, 70V	1	ATLAS	AT100D	1-GANG BOX
	RECESSED INTERIOR SPEAKER ENCLOSURE	A/R	ATLAS	CS95-4	3/4" C. TO ACCESSIBLE CEILING
	SPEAKER AND GRILLE	A/R	ATLAS	SD72W	
	UNIVERSAL POWER SUPPLY, 900W	1	APC	SMART-UPS-1500VA LCD 120V	
	SERVER AND ASSOCIATED SOFTWARE FOR THE RAWLAND INTERCOM SYSTEM. LOCATE THIS DEVICE IN EQUIPMENT CABINET #5.	1			

A/R = AS REQUIRED; NIC= NOT IN CONTRACT; NR = NO REQUIREMENT; OFCI = OWNER FURNISHED CONTRACTOR INSTALLED; OFP = OBTAIN FROM PLANS; OFOI =OWNER FURNISHED & INSTALLED



1 INTERCOM RISER RACK A
SCALE: NONE



Babcock Design

Salt Lake City
52 Exchange Place
Salt Lake City, UT 84111
801.531.1144

Boise
800 W Main Street, Suite 940
Boise, ID 83702
208.424.7675

babcockdesign.com

Consultant



324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

LOUISA MAY ALCOTT
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Revisions

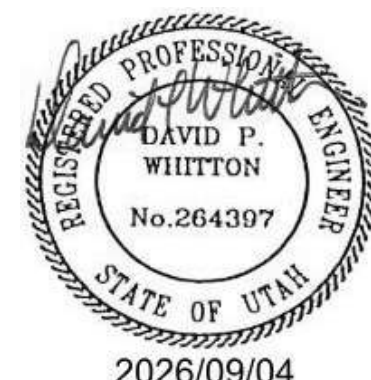
Num.	Description	Date
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Original Issue	09/04/2028
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Sheet Title

AUDIO VISUAL RISERS
AND EQUIPMENT
LISTS

Sheet Number

TA702