

# LOGAN UT SR SEMINARY

## CONSTRUCTION DOCUMENTS

08.15.24



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### ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
CMU	CONCRETE MASONRY UNIT
EIFS	EXTERIOR INSULATED FINISH
EQ	EQUAL
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
O.C.	ON CENTER
SPEC	SPECIFICATION
SIM	SIMILAR
TYP	TYPICAL
T.O.	TOP OF
B.O.	BOTTOM OF

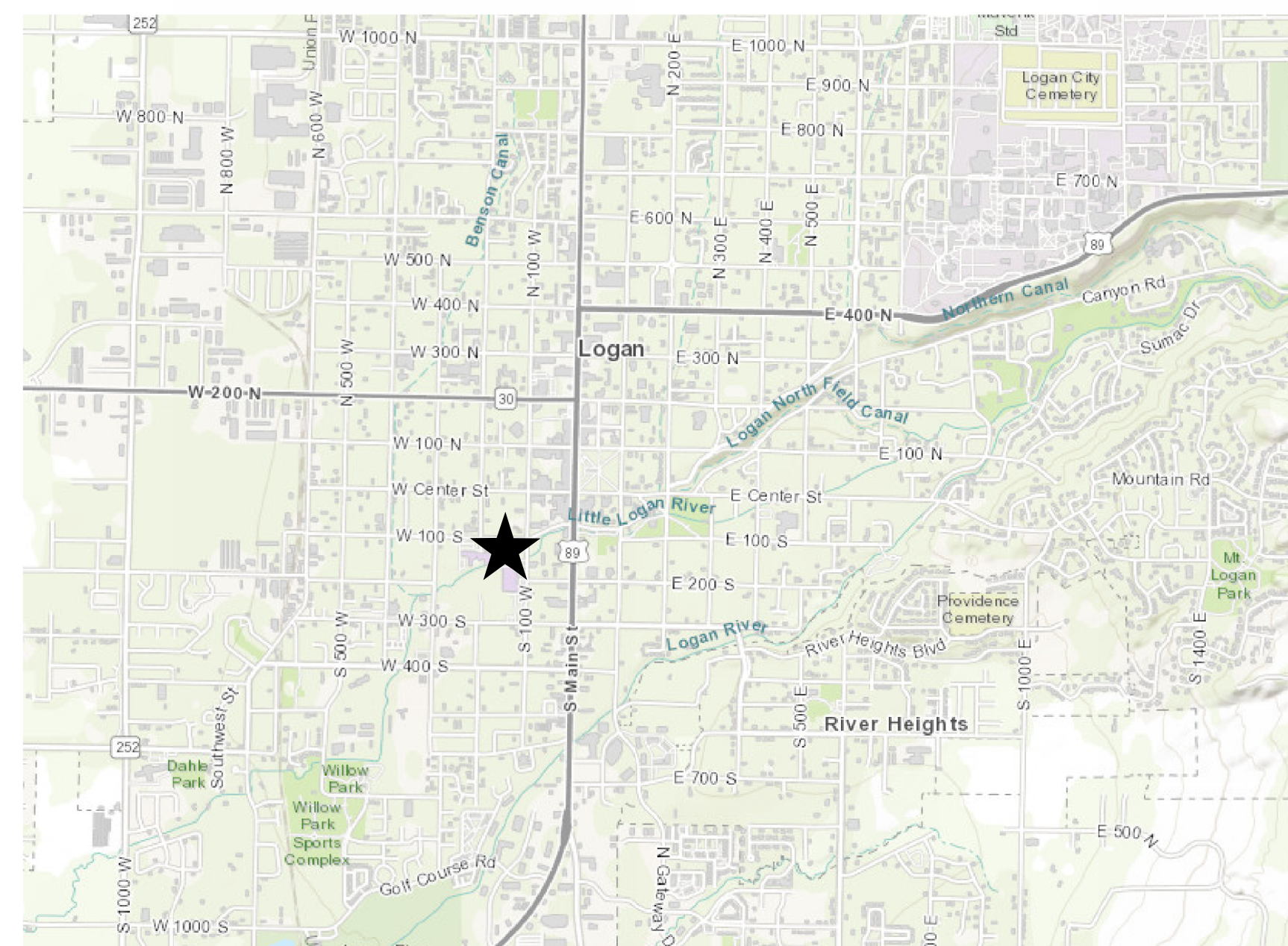
### MATERIAL LEGEND

	GYPSUM BOARD OR CONCRETE SURFACE
	CONCRETE
	STUD WALL
	GRAVEL
	COMPACTED FILL AND/OR EARTH
	CMU (CONCRETE MASONRY UNIT)
	BATT INSULATION
	RIGID INSULATION

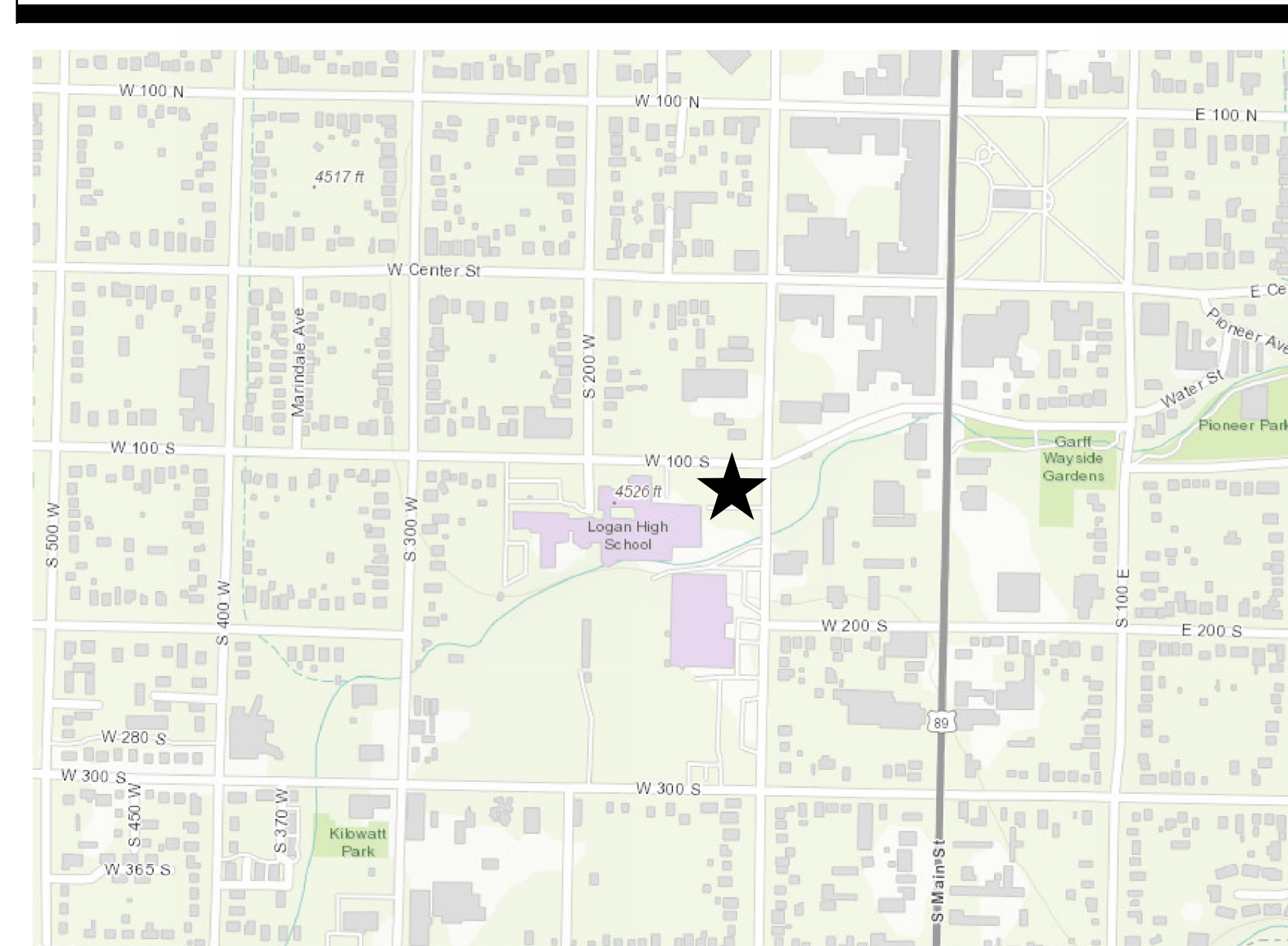
### SYMBOLS LEGEND

ROOM IDENTIFICATION NUMBER	ROOM NAME	ROOM NAME
DOOR NUMBER	XXX	ROOM NUMBER
REFERENCE NOTE	XX.XX	
GLAZING TYPE	X	
PARTITION WALL TYPE	XX	SHADE INDICATES ELEVATED WALL
INTERIOR ELEVATION	A1, A2, A3, A4	ELEVATION NUMBER SHEET NUMBER
BUILDING SECTION	SECTION NUMBER	SHEET NUMBER
WALL SECTION	SECTION NUMBER	SHEET NUMBER
EXTERIOR ELEVATION	ELEVATION NUMBER	SHEET NUMBER
DETAIL	DETAIL NUMBER	SHEET NUMBER
DETAIL TITLE	A1	DETAIL SCALE:
REVISION DELTA	2	REVISION NUMBER

### SITE MAP



### VICINITY MAP



### PROJECT TEAM

#### PROJECT ARCHITECT

FFKR ARCHITECTS  
730 W. Pacific Ave.  
Salt Lake City, UT 84104  
801.521.6186

#### CIVIL ENGINEER

CIVIL SCIENCE  
405 S. Main St. Ste.1000  
Salt Lake City, UT 84111  
801.768.7200

#### LANDSCAPE ARCHITECT

FFKR ARCHITECTS  
730 W. Pacific Ave.  
Salt Lake City, UT 84104  
801.521.6186

#### STRUCTURAL ENGINEER

ARW ENGINEERING  
1594 W. Park Circle #100  
Ogden, UT 84404  
801.782.6008

#### PLUMBING

HEATH ENGINEERING  
377 W. 800 N.  
Salt Lake City, UT 84103  
801.322.0487

#### MECHANICAL ENGINEER

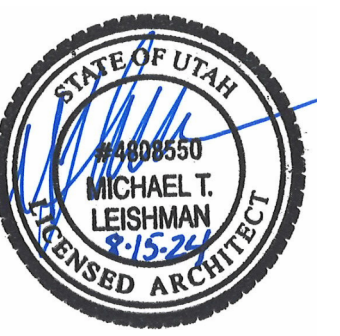
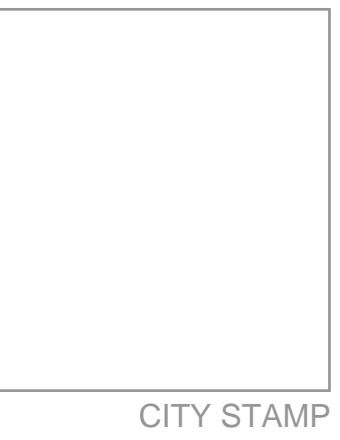
HEATH ENGINEERING  
377 W. 800 N.  
Salt Lake City, UT 84103  
801.322.0487

#### ELECTRICAL ENGINEER

HEATH ENGINEERING  
377 W. 800 N.  
Salt Lake City, UT 84103  
801.322.0487

# CODE SUMMARY

<p><b>1 PROJECT DESCRIPTION</b></p> <p>EXISTING SEMINARY BUILDING TO BE DEMOLISHED AND NEW, SINGLE STORY, SEMINARY BUILDING TO BE BUILT WITH THREE(3) CLASSROOMS FOR STUDENTS, OFFICE SPACE, AND BREAKROOM FOR FACULTY AND STAFF.</p>	<p><b>7 PLUMBING REQUIREMENTS</b></p> <p>TOTAL OCCUPANT LOAD: 166                  MEN: 83                  WOMEN: 83</p> <p>ASSEMBLY OCCUPANCY (E) FIXTURE REQUIREMENT:</p> <p>TOTAL WOMEN'S FIXTURES                  OCCUPANTS: 83</p> <table border="1"> <thead> <tr> <th>FIXTURE</th> <th>CODE</th> <th>REQUIRED</th> <th>DESIGNATED</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>WATER CLOSETS</td> <td>1 PER 50</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>LAVATORIES</td> <td>1 PER 50</td> <td>2</td> <td>2</td> <td></td> </tr> </tbody> </table> <p><small>*MINIMUM FIXTURE REQUIREMENTS SATISFIED WHEN CONSIDERING TOTAL SINGLE-USE / FAMILY USE TOILETS. SEE COUNTS BELOW.</small></p> <p>TOTAL MEN'S FIXTURES                  OCCUPANTS: 83</p> <table border="1"> <thead> <tr> <th>FIXTURE</th> <th>CODE</th> <th>REQUIRED</th> <th>DESIGNATED</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>WATER CLOSETS</td> <td>1 PER 50</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>URINALS</td> <td></td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>LAVATORIES</td> <td>1 PER 50</td> <td>2</td> <td>2</td> <td></td> </tr> </tbody> </table>	FIXTURE	CODE	REQUIRED	DESIGNATED	NOTES	WATER CLOSETS	1 PER 50	2	2		LAVATORIES	1 PER 50	2	2		FIXTURE	CODE	REQUIRED	DESIGNATED	NOTES	WATER CLOSETS	1 PER 50	2	2		URINALS			2		LAVATORIES	1 PER 50	2	2			
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<p><b>2 BUILDING CODE</b></p> <p>2021 INTERNATIONAL BUILDING CODE (IBC)                  2021 INTERNATIONAL MECHANICAL CODE (IMC)                  2021 INTERNATIONAL PLUMBING CODE (IPC)                  2021 INTERNATIONAL FUEL GAS CODE (IFGC)                  2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)                  2020 NATIONAL ELECTRICAL CODE (NEC)                  2017 ICC A117.1-2017 ACCESSIBILITY</p>																																						
<p><b>3 CONSTRUCTION TYPE</b></p> <p>TYPE V-B</p>	<p>TOTAL MISC FIXTURES                  OCCUPANTS: 166</p> <table border="1"> <thead> <tr> <th>FIXTURE</th> <th>CODE</th> <th>REQUIRED</th> <th>PROVIDED</th> </tr> </thead> <tbody> <tr> <td>DRINKING FOUNTAINS</td> <td>1 PER 1000</td> <td>1</td> <td>1</td> </tr> <tr> <td>SERVICE SINKS</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	FIXTURE	CODE	REQUIRED	PROVIDED	DRINKING FOUNTAINS	1 PER 1000	1	1	SERVICE SINKS	1	1	1																									
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<p><b>4 OCCUPANCY CLASSIFICATION</b></p> <table border="1"> <thead> <tr> <th>BUILDING USE</th> <th>OCCUPANCY</th> </tr> </thead> <tbody> <tr> <td>CLASSROOMS</td> <td>E</td> </tr> <tr> <td>OFFICE</td> <td>B-1</td> </tr> </tbody> </table> <p>Non-Separated use. E to be the base occupancy</p>	BUILDING USE	OCCUPANCY	CLASSROOMS	E	OFFICE	B-1	<p><b>BUILDING AREA AND HEIGHT</b></p> <p>ALLOWED: ALLOWED HEIGHT (STORIES): 1 STORY                  ACTUAL HEIGHT: 1 STORY</p> <p>TYPE: V-B                  At: 6,000 S.F. ALLOWED HEIGHT (FEET): 40 FEET                  NS: 6,000 S.F. ACTUAL HEIGHT: 20'-8"                  If: 0.75</p> <p>Aa = At + (NS x If)                  Aa = 6,000 + (6,000*.75)                  Aa = 10,500</p> <p>ACTUAL S.F. : 6,048 S.F.</p>																															
BUILDING USE	OCCUPANCY																																					
CLASSROOMS	E																																					
OFFICE	B-1																																					
<p><b>5 FIRE PROTECTION SYSTEMS</b></p> <p>FIRE ALARM SYSTEM:                  PROVIDED IN ACCORDANCE WITH SECTION 907.2.1</p> <p>PORTABLE FIRE EXTINGUISHERS:                  PROVIDED IN ACCORDANCE WITH SECTION 906</p>	<p><b>8 FIRE RESISTENCE RATINGS</b></p> <p>IBC; TABLE 601, 602, AND SECTIONS 713 AND 1018</p> <p>CONSTRUCTION TYPE V-B</p> <ul style="list-style-type: none"> <li>PRIMARY STRUCTURAL FRAME 0-HOUR (TABLE 601)</li> <li>BEARING WALLS: EXTERIOR 0 HOUR (TABLE 601)</li> <li>BEARING WALLS: INTERIOR 0 HOUR (TABLE 601)</li> <li>NON-BEARING EXTERIOR WALLS 0 HOUR (TABLE 602)</li> <li>NON-BEARING INTERIOR WALLS 0 HOUR (TABLE 601)</li> <li>FLOOR CONSTRUCTION 0 HOUR (TABLE 601)</li> <li>ROOF CONSTRUCTION 0 HOUR (TABLE 601)</li> <li>EXIT CORRIDORS 0 HOUR (SECTION 1020.1)</li> <li>FURNACE 0 HOUR (TABLE 509)*</li> <li>BOILER ROOM 0 HOUR (TABLE 509)*</li> <li>CORRIDORS 0 HOUR (TABLE 509)</li> </ul> <p><small>* 0 - HOUR ALLOWED WITH AUTOMATIC SPRINKLER SYSTEM</small></p>																																					
<p><b>6 NUMBER OF STORIES</b></p> <p>FIRE ALARM SYSTEM:                  PROVIDED IN ACCORDANCE WITH SECTION 907.2.1</p> <p>PORTABLE FIRE EXTINGUISHERS:                  PROVIDED IN ACCORDANCE WITH SECTION 906</p>																																						



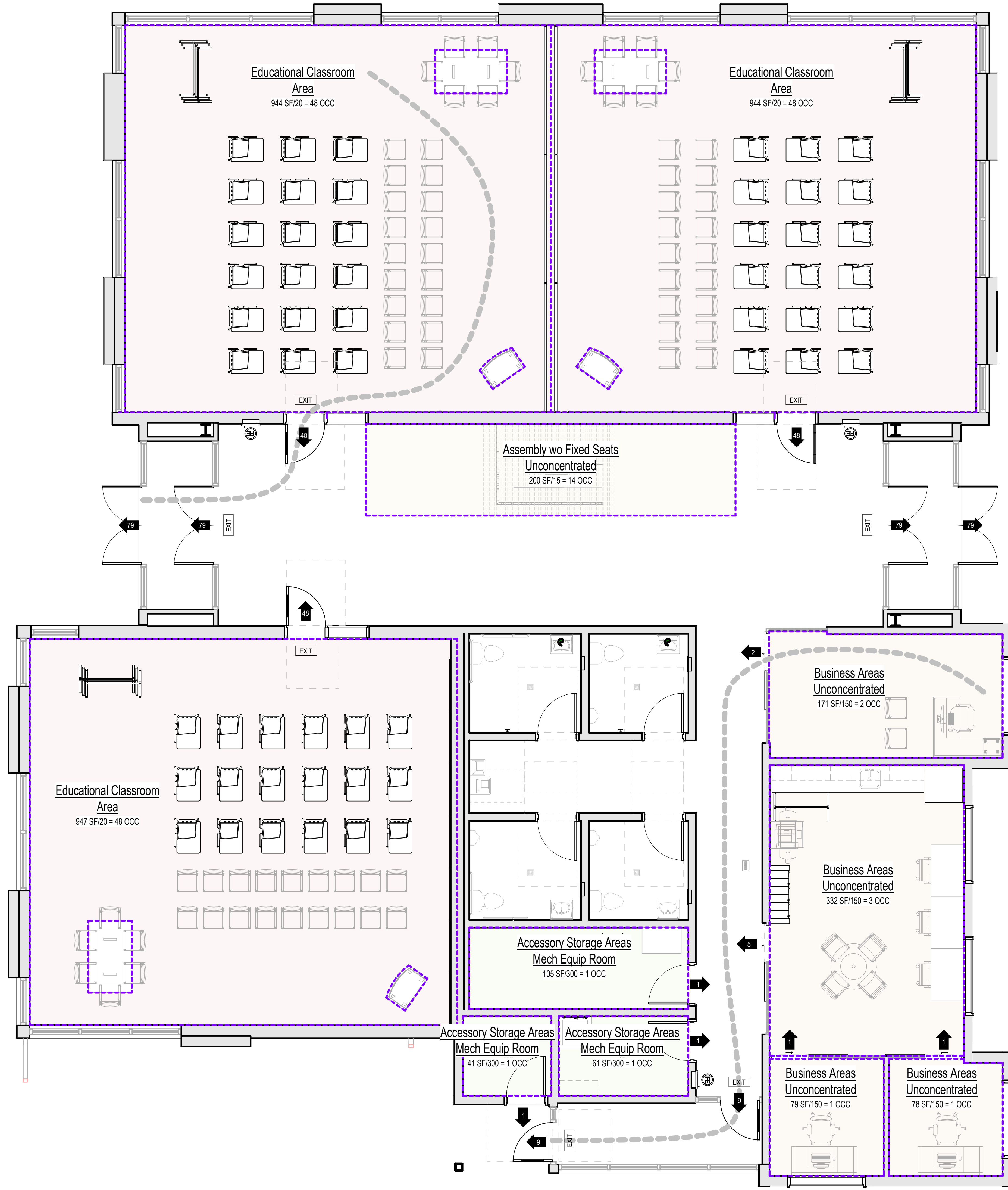
△ DATE REVISION

PROJECT NUMBER 24003

**PROJECT INFORMATION**

5/09/2024 9:21:41 a.m.

REFERENCE NOTES

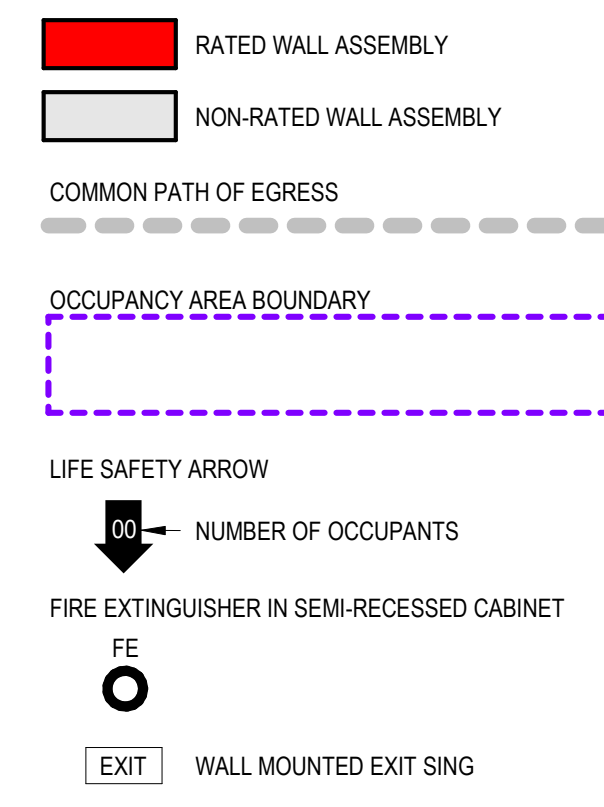


LIFE SAFETY OCCUPANCY TYPE

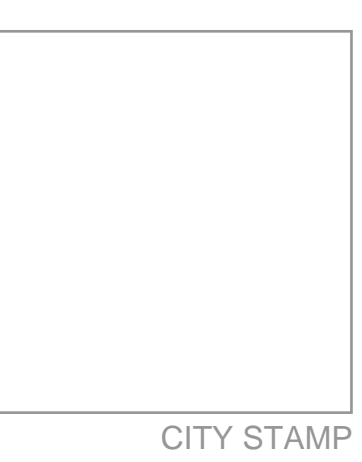
- Accessory Storage Areas Mech Equip Room
- Assembly w/ Fixed Seats Unconcentrated
- Business Areas Unconcentrated
- Educational Classroom Area

OCCUPANCY CALCULATIONS

Code: Occupancy Type	Area	Occupancy S.F. Type	Occupant Count
Educational Classroom Area	944 SF	20	48.8
Educational Classroom Area	944 SF	20	48.8
Educational Classroom Area	947 SF	20	48.8
Business Areas Unconcentrated	171 SF	150	2
Business Areas Unconcentrated	78 SF	150	0.58
Business Areas Unconcentrated	79 SF	150	0.58
Business Areas Unconcentrated	332 SF	150	2.3
Accessory Storage Areas Mech Equip Room	61 SF	300	0.23
Accessory Storage Areas Mech Equip Room	41 SF	300	0.15
Accessory Storage Areas Mech Equip Room	105 SF	300	0.41
Assembly w/ Fixed Seats Unconcentrated	200 SF	15	13.3
	3900 SF		165.95



FFKR ARCHITECTS  
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O 801.521.6186 - FFKR.COM



LOGAN UT SR SEMINARY  
110 W. 100 S. Logan, UT 84321 - 5022453  
The Church of Jesus Christ of Latter-Day Saints  
CONSTRUCTION DOCUMENTS - 08.15.24

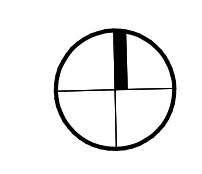


DATE REVISION

PROJECT NUMBER 24003

LIFE SAFETY PLAN

A1 LEVEL 1 LIFE SAFETY PLAN  
SCALE: 1/4" = 1'-0"



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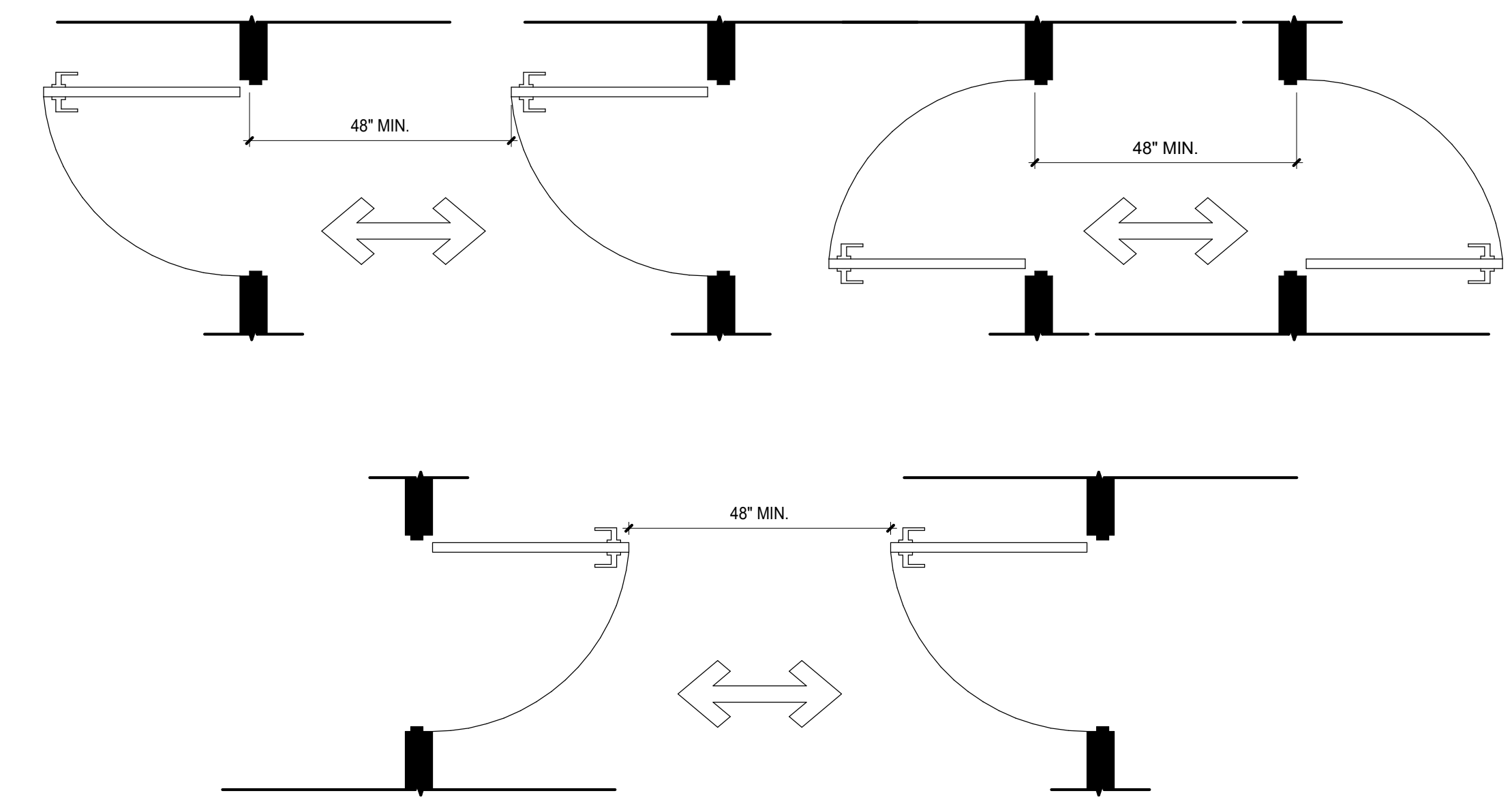
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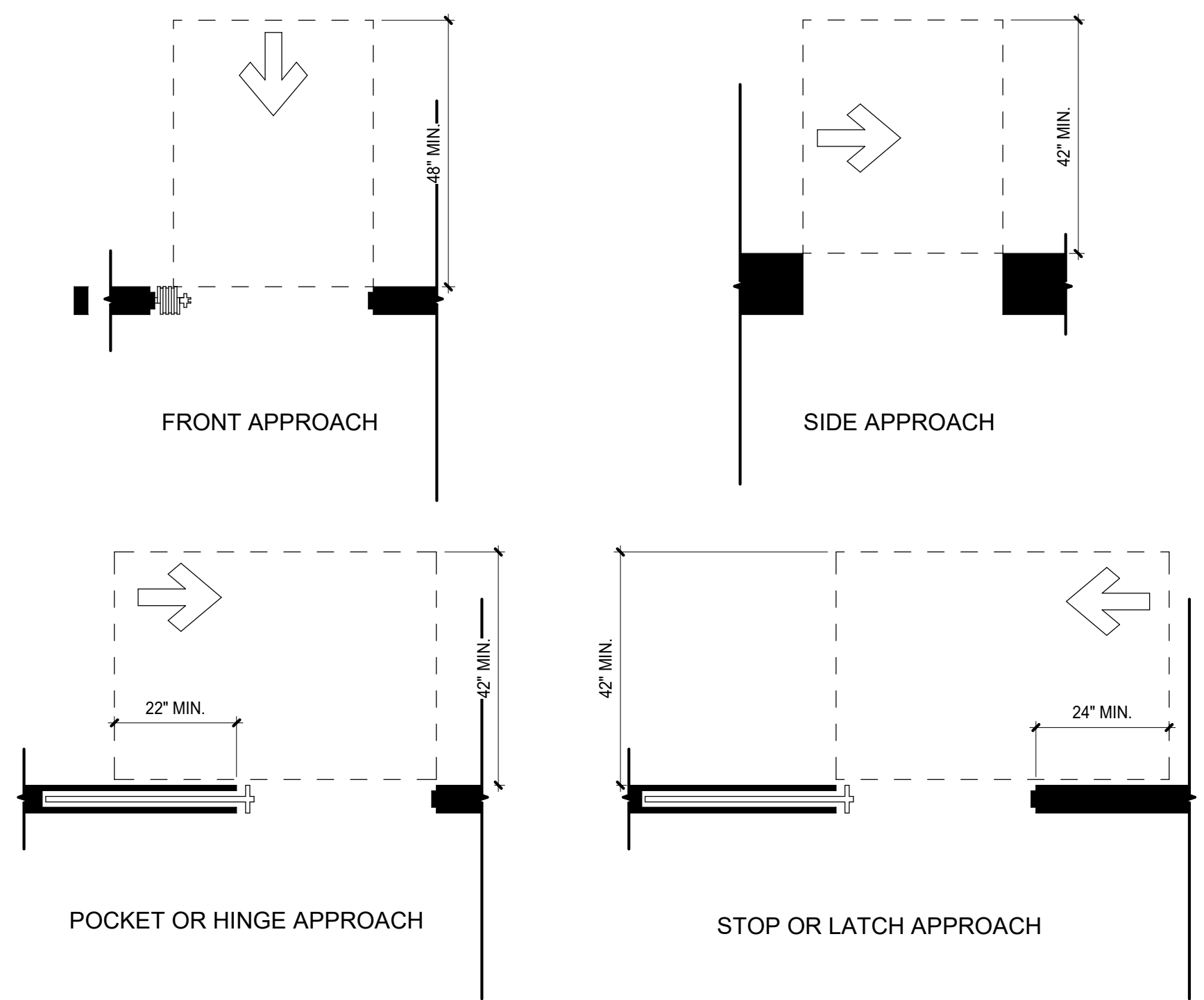
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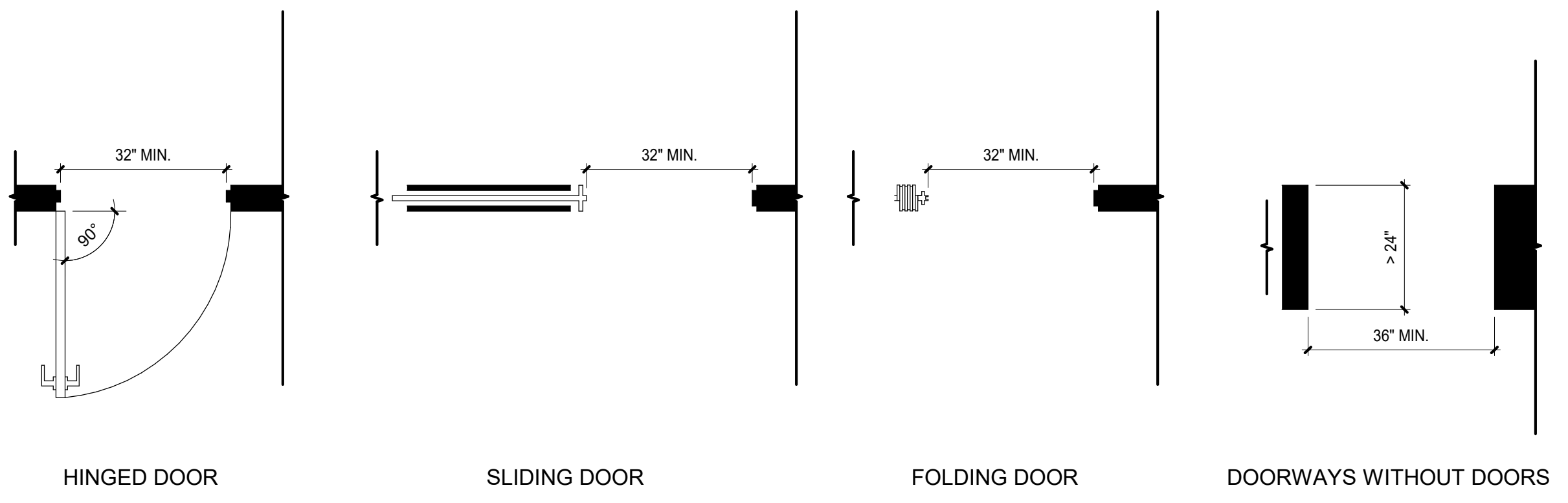
**GENERAL ACCESSIBILITY DETAILS**



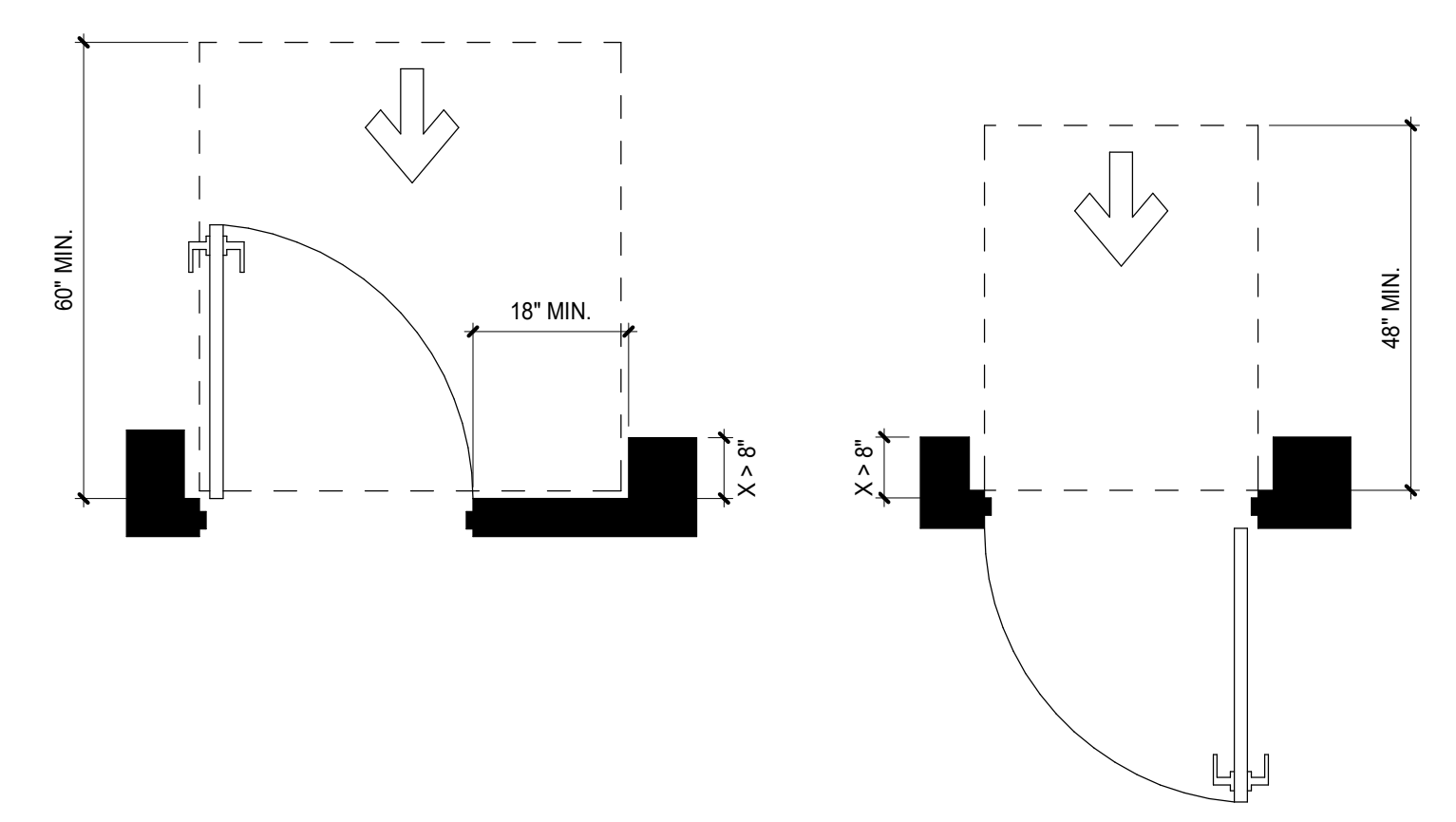
**C1** FIGURE 404.2.6  
**DOORS IN SERIES AND GATES IN SERIES**  
 SCALE: 1/2" = 1'-0"



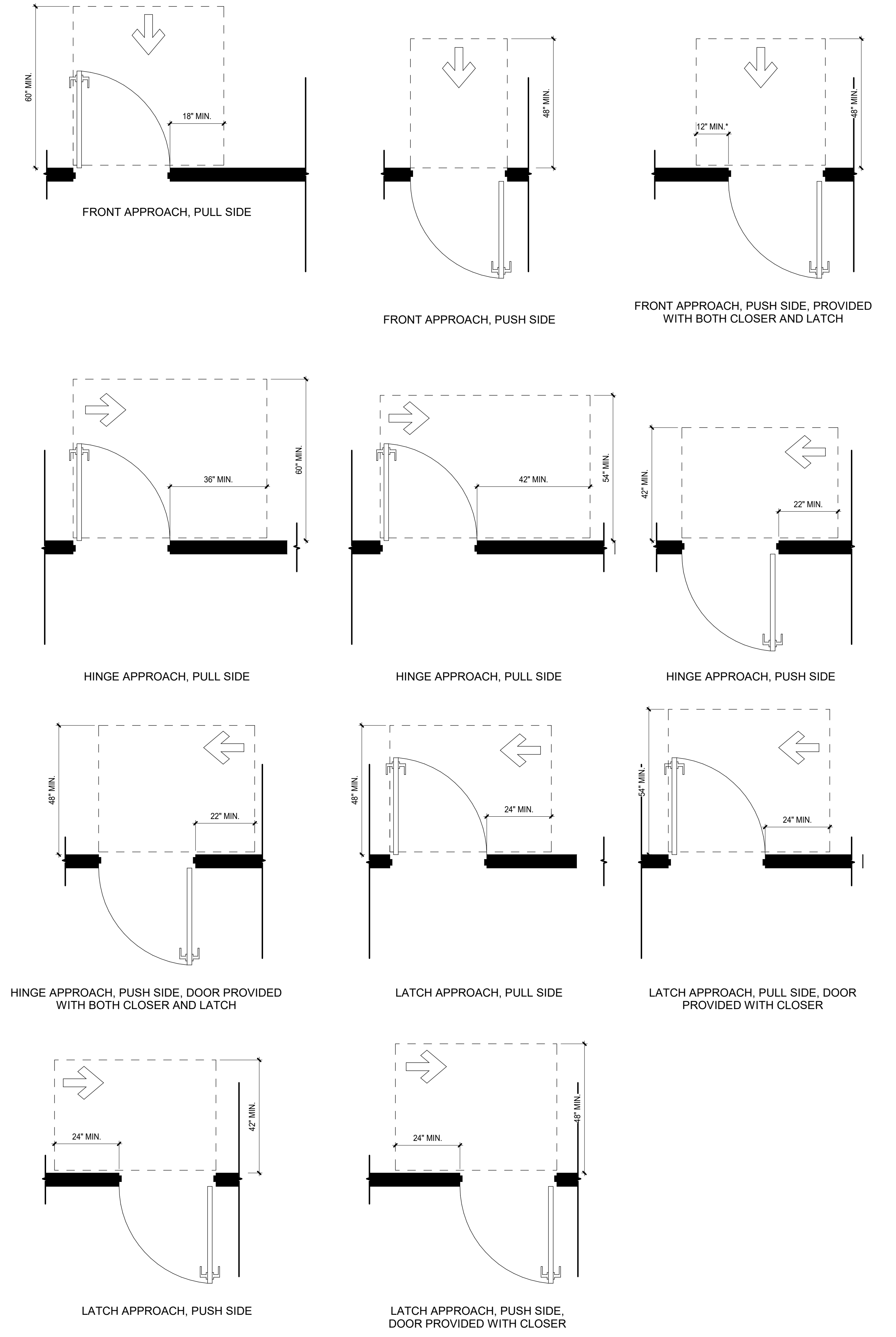
**B1** FIGURE 404.2.4.2  
**MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES AND FOLDING DOORS**  
 SCALE: 1/2" = 1'-0"



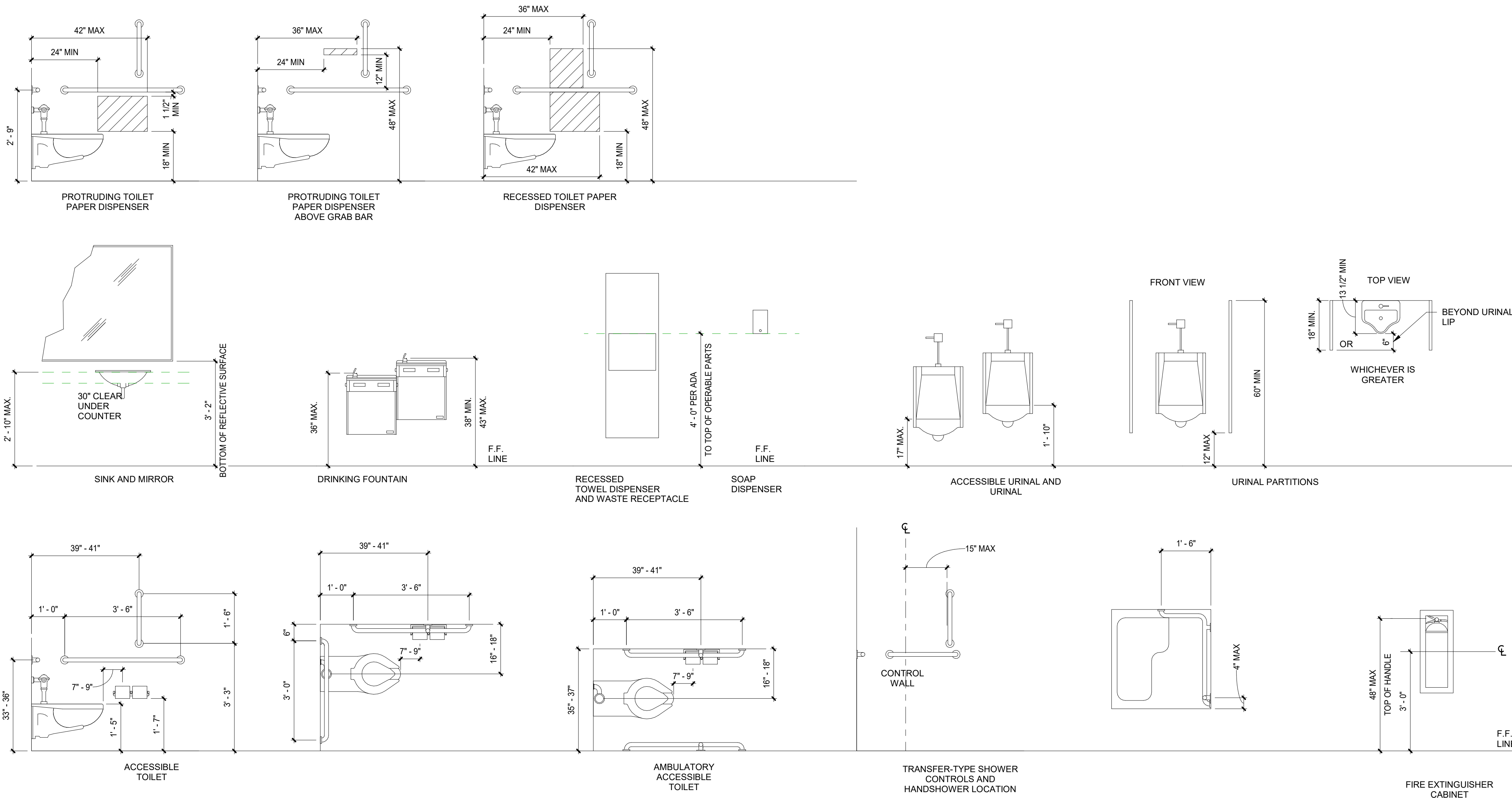
**A1** FIGURE 404.2.3  
**CLEAR WIDTH OF DOORWAYS**  
 SCALE: 1/2" = 1'-0"



**A3** FIGURE 404.2.4.3  
**MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES**  
 SCALE: 1/2" = 1'-0"

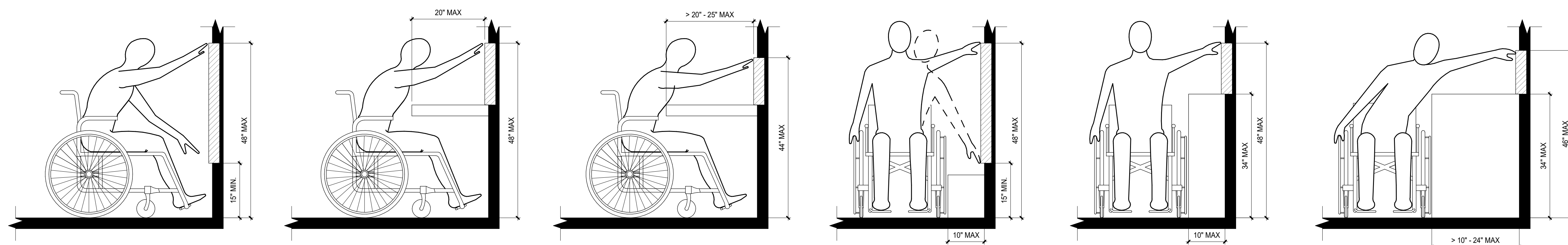


**A5** FIGURE 404.2.4.1  
**MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES**  
 SCALE: 1/2" = 1'-0"



**B1 ADA FIXTURE REQUIREMENTS**

SCALE: 1/2" = 1'-0"



**A1 ACCESSIBLE REACH RANGE FIGURES**

SCALE: 3/4" = 1'-0"



**LOGAN UT SR SEMINARY**  
 110 W. 100 S. Logan, UT 84321 - 5022453  
 The Church of Jesus Christ of Latter-Day Saints  
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**GENERAL ACCESSIBILITY DETAILS**



### ABBREVIATIONS

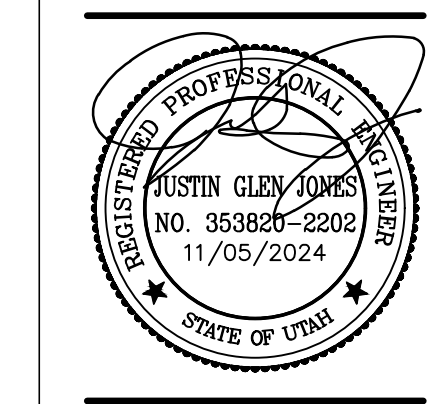
AC	ACRE
ACE	ARMY CORPS OF ENGINEERS
AGGR	AGGREGATE
ALT.	ALTERNATE
APPR.	APPROXIMATE
AR MH	AIR RELEASE MANHOLE
ARV	AIR RELEASE VALVE
ASSY.	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AVE	AVENUE
BFV	BUTTERFLY VALVE
BH	BORE HOLE
BITUM.	BITUMINOUS
BK	BACK
B.O.	BY OTHERS
BOA	BEGINNING OF ALIGNMENT
BOP	BEGINNING OF PROJECT
BSW	BACK OF SIDEWALK
BVC	BEGIN VERTICAL CURVE
BOW	BOTTOM OF WALL
C&G	CURB AND GUTTER
CB	CATCH BASIN
C-C	CENTER TO CENTER
CEL	CONSTRUCTION EASEMENT LINE
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COMM.	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCTION
CU	COPPER
CY/CU YD	CUBIC YARD
DBL	DOUBLE
DI	DUCTILE IRON
DIA/D	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DRIVE
DRWY	DRIVEWAY
DWG	DRAWING
E.	EAST
EA.	EACH
EG	EXISTING GRADE
EP/EOP	EDGE OF PAVEMENT
ELEC.	ELECTRICAL
EL/ELEV.	ELEVATION
EOA	END OF ALIGNMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EX/EXIST.	EXISTING
EXT.	EXTENSION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FES	FLARED END SECTION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIRM	FLOOD INSURANCE RATE MAP
FL	FLOWLINE
FM	FORCE MAIN
FO	FIBER OPTIC
FS	FINISHED SURFACE
FT	FOOT/FEET
GALV.	GALVANIZED
GB	GRADE BREAK
GR	GRATE
GV	GATE VALVE
HDPE	HIGH-DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HOR.	HORIZONTAL
HP	HIGH POINT
HYD.	HYDRANT
IN.	INCH
I.D.	INSIDE DIAMETER
INV.	INVERT
IRR.	IRRIGATION
INS.	INSERT
LEN.	LENGTH
LF	LINEAR FEET
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MFG.	MANUFACTURER
MH	MANHOLE
MIN.	MINIMUM
MJ	MECHANICAL JOINT
N.	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OHE	OVERHEAD ELECTRIC
OSHA	OCCUPATION SAFETY AND HEALTH ADMINISTRATION
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
POLY	POLYETHYLENE
POT.	POTABLE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PUE	PUBLIC UTILITY EASEMENT
RAD/R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT-OF-WAY
RR	RAILROAD
RT	RIGHT
S.	SOUTH
SAN	SANITARY
SCH.	SCHEDULE
SD	STORM DRAIN
SDR	STANDARD DIMENSION RATIO
SF/SQ FT	SQUARE FEET
SHT	SHEET
SIM.	SIMILAR
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY/SQ YD	SQUARE YARD
TA	TOP OF ASPHALT
TBC	TOP BACK OF CURB
TBR	TO BE REMOVED
TC	TOP OF CONCRETE
TOP	TOP OF PIPE
TOW	TOP OF WALL
TYP.	TYPICAL
VAR.	VARIES
VERT.	VERTICAL
WAT.	WATER
WL	WATER LINE

### LEGEND

EXISTING	PROPOSED	
		MAJOR CONTOUR
		MINOR CONTOUR
		CURB AND GUTTER
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		STREET CENTERLINE
		PROPERTY LINE
		LOT LINE
		SECTION LINE
		SECTION CORNER
		RIGHT-OF-WAY LINE
		EASEMENT LINE
		FENCE
		SANITARY SEWER MAIN
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEAN OUT
		CULINARY WATER LINE
		PRESSURIZED IRRIGATION
		GRAVITY IRRIGATION
		TEE
		GATE VALVE
		BEND (ANGLE NOTED)
		STUB / CAP
		HYDRANT
		WATER METER
		WATER MANHOLE
		SECONDARY WATER SERVICE/VALVE
		GRAVITY IRRIGATION MANHOLE
		GRAVITY IRRIGATION BOX
		STORM DRAIN PIPE
		CULVERT WITH FLARED END SECTION
		STORM DRAIN MANHOLE
		STORM DRAIN COMBO BOX
		STORM DRAIN CURB INLET
		JUNCTION STRUCTURE
		BURIED ELECTRIC LINE
		OVERHEAD ELECTRIC LINE
		ABANDONED COMM. LINE
		BURIED FIBER OPTIC LINE
		ABANDONED GAS LINE
		GAS LINE
		GAS VALVE / GAS METER
		BURIED TELEPHONE
		POWER POLE
		GUY WIRE ANCHOR
		ELECTRICAL EQUIPMENT
		ELECTRICAL TRANSFORMER
		FIBER OPTIC PEDESTAL
		GRADE TO DRAIN
		EXTENTS OF GRADING
		TELEPHONE PEDESTAL
		HANDHOLE BOX
		FIRE DEPARTMENT CONNECTION
		FIRE SPRINKLER RISER

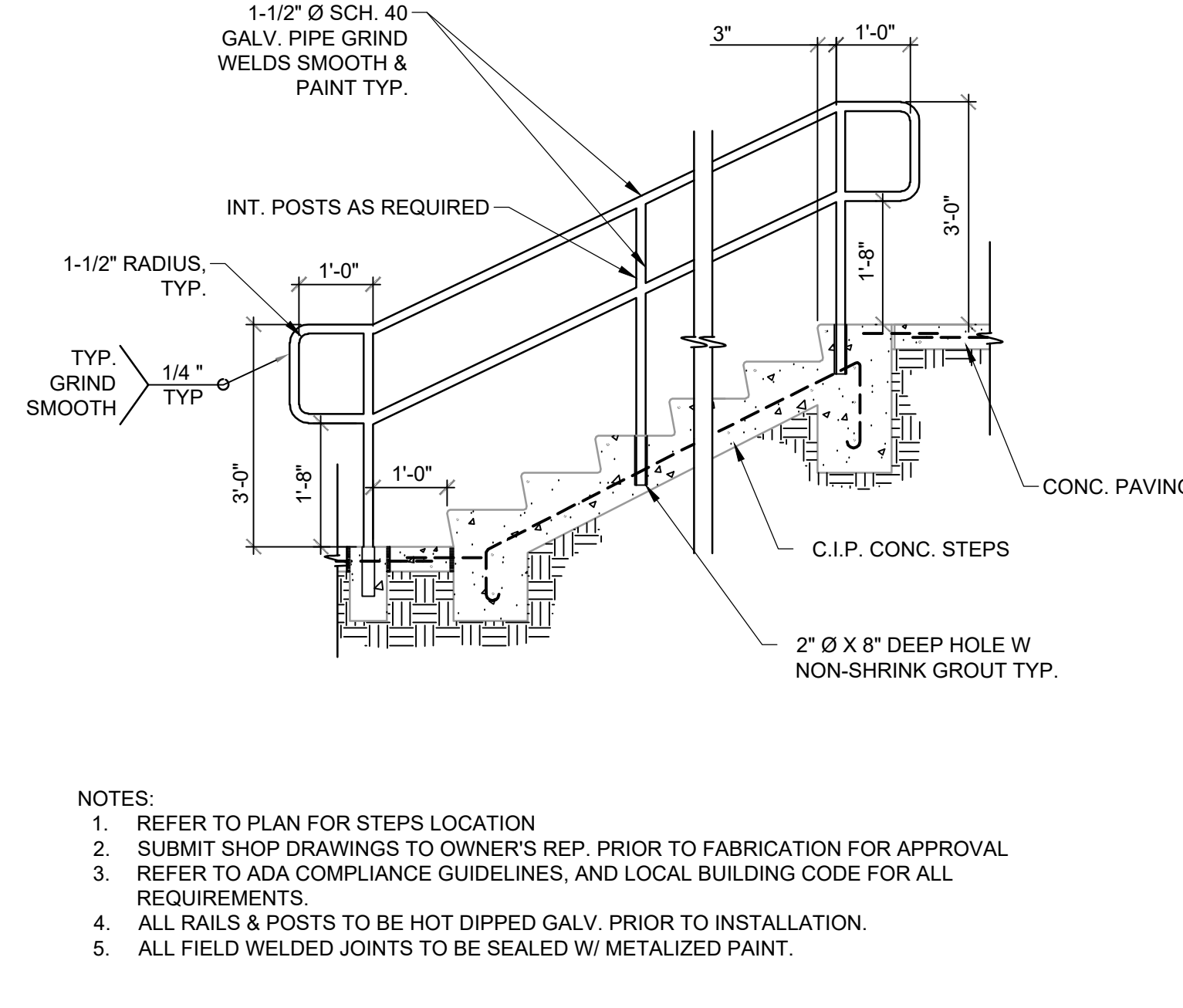
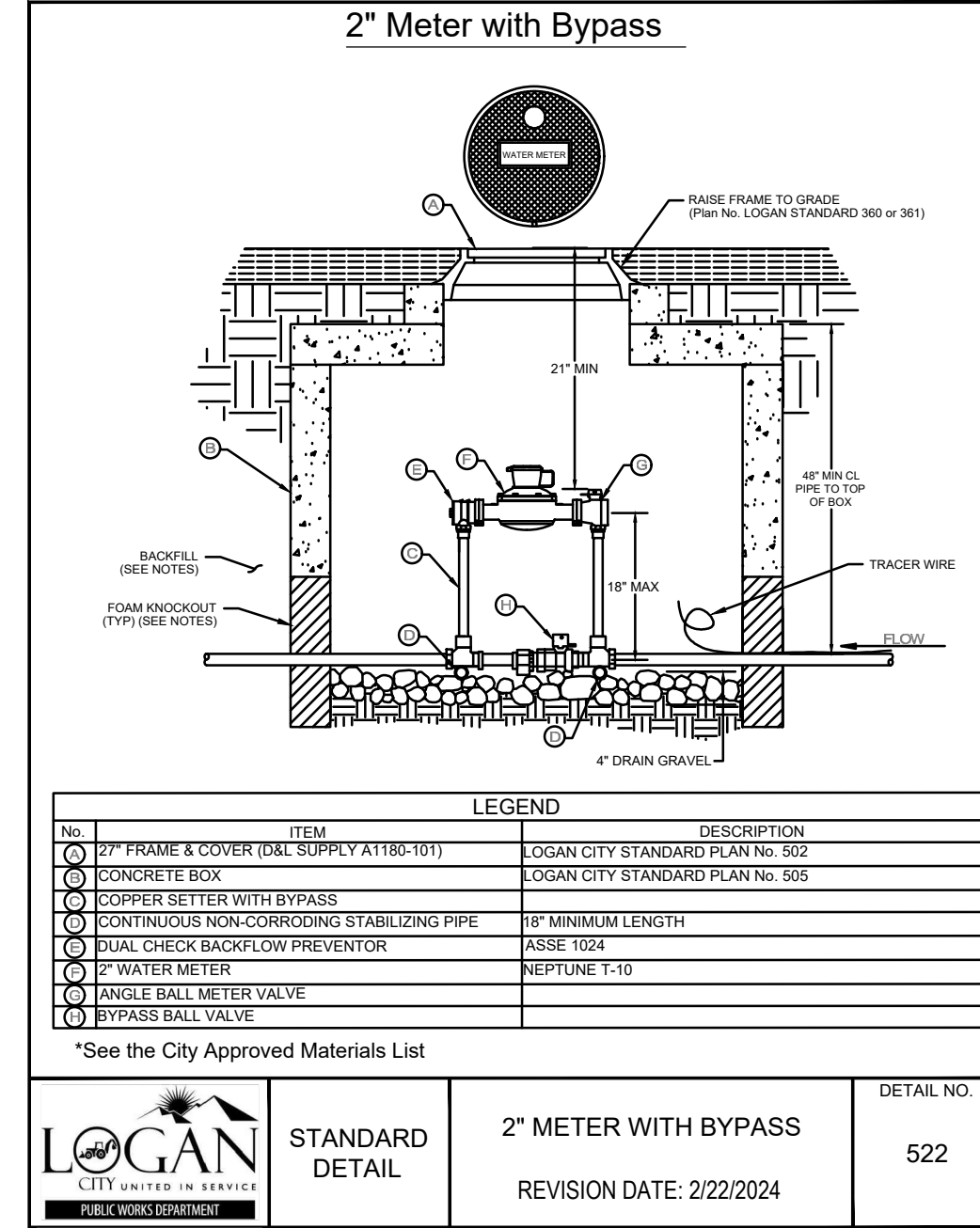
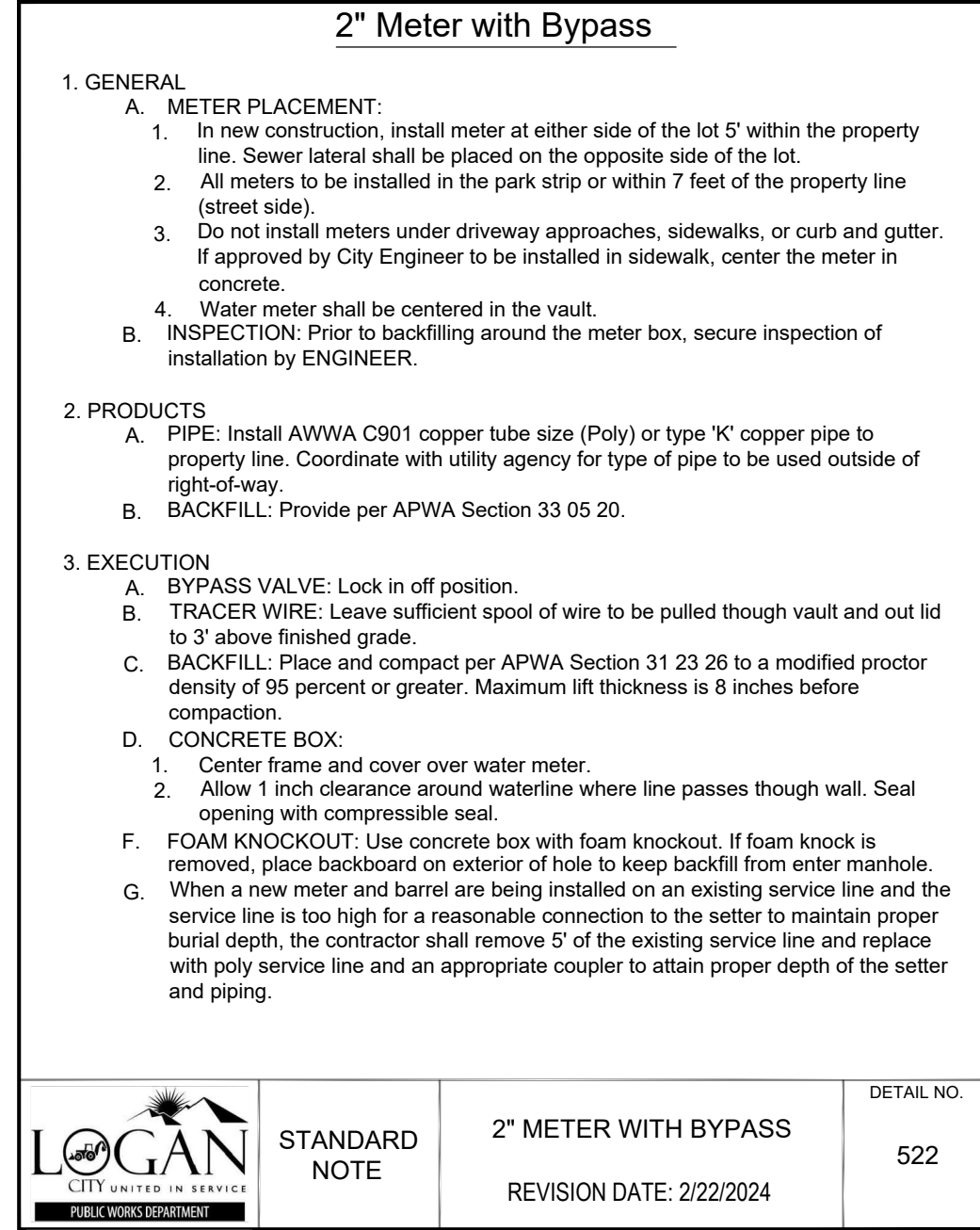
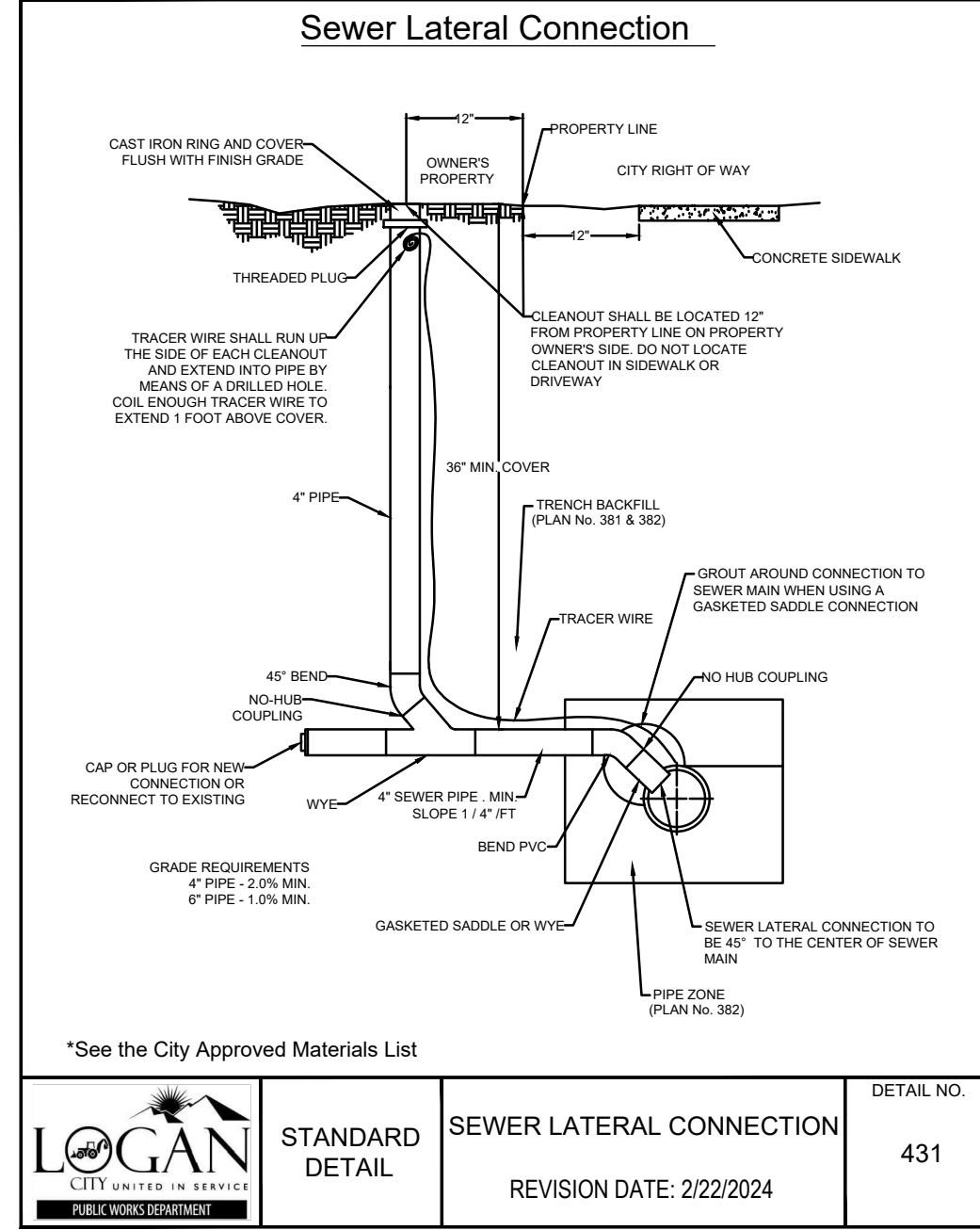
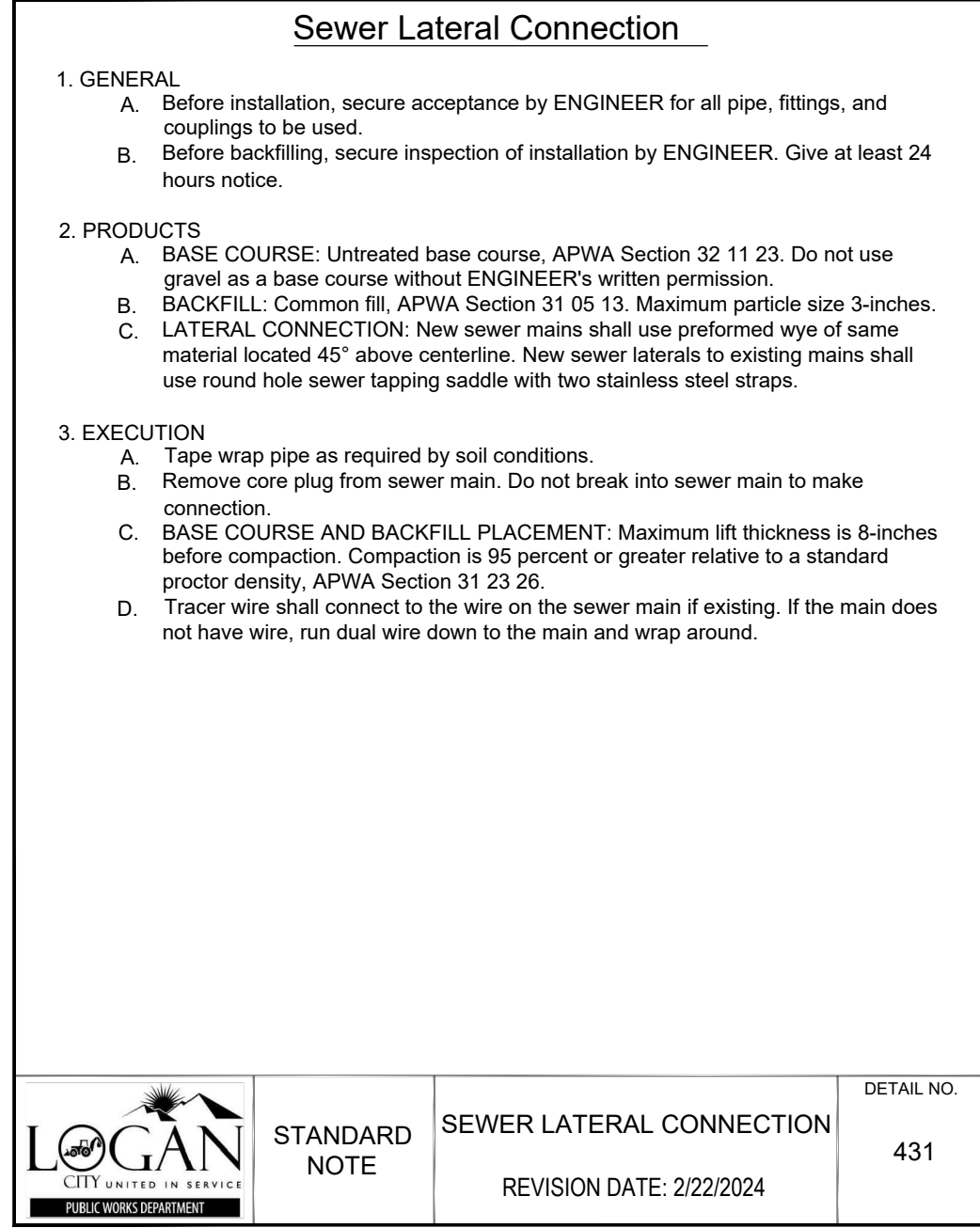
### LEGEND (cont.)

EXISTING	PROPOSED	
		STREET LIGHT
		SIGN (SINGLE POLE, 2 OR MORE POLES)
		MAILBOX
		ASPHALT PAVEMENT
		CONCRETE FLATWORK
		UNTREATED BASE COURSE
		LANDSCAPE
		RIP-RAP
		SPOT ELEVATION
		SECTION / DETAIL CALL-OUT SYMBOL
		EXISTING SHRUB
		EXISTING TREE
		OVERHEAD COMMUNICATIONS LINE
		BURIED COMMUNICATIONS LINE
		OVERHEAD CABLE TV
		BURIED CABLE TV



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LEGEND & ABBREVIATIONS	

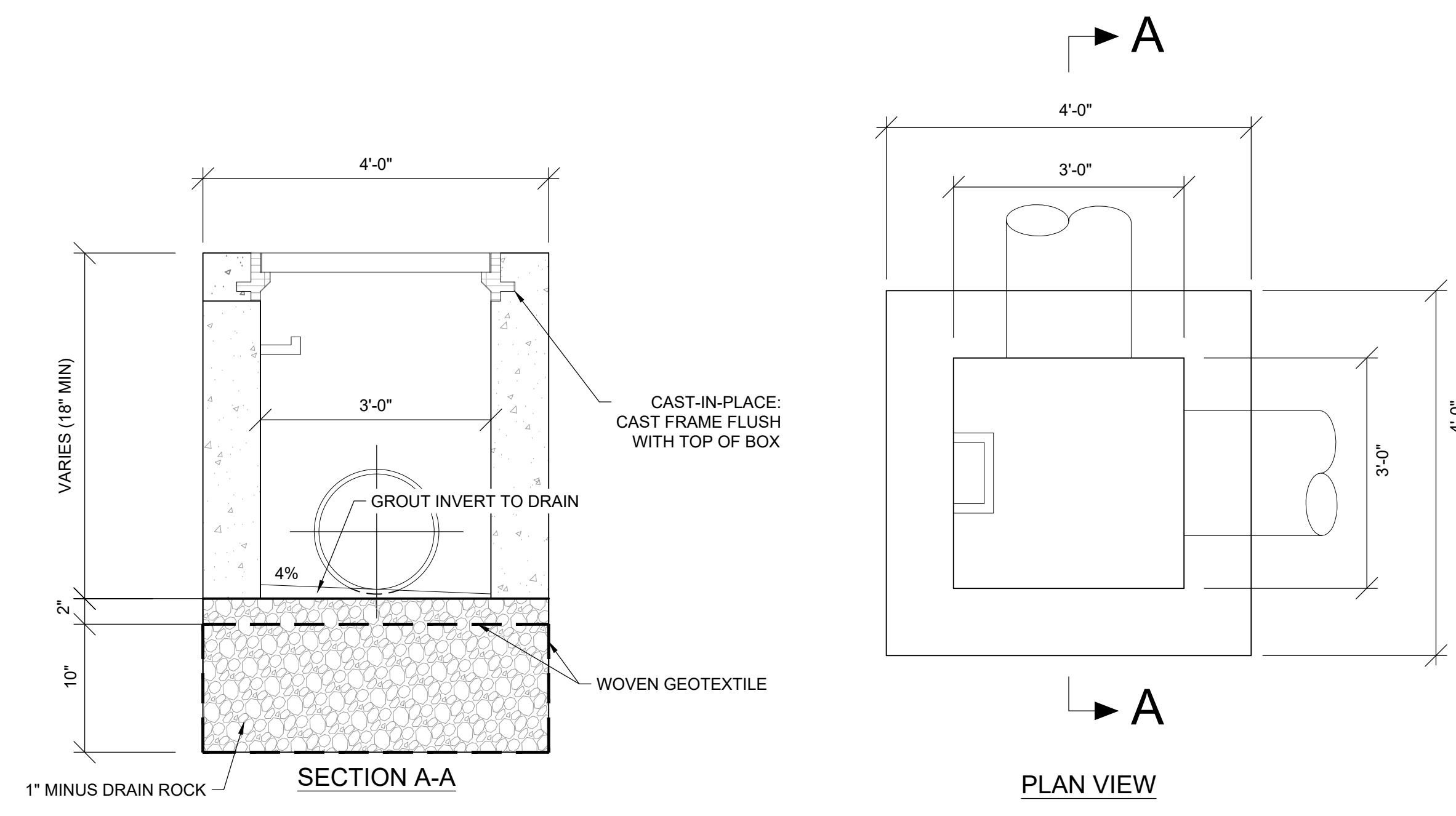




1 LOGAN CITY SEWER LATERAL CONNECTION  
N.T.S.

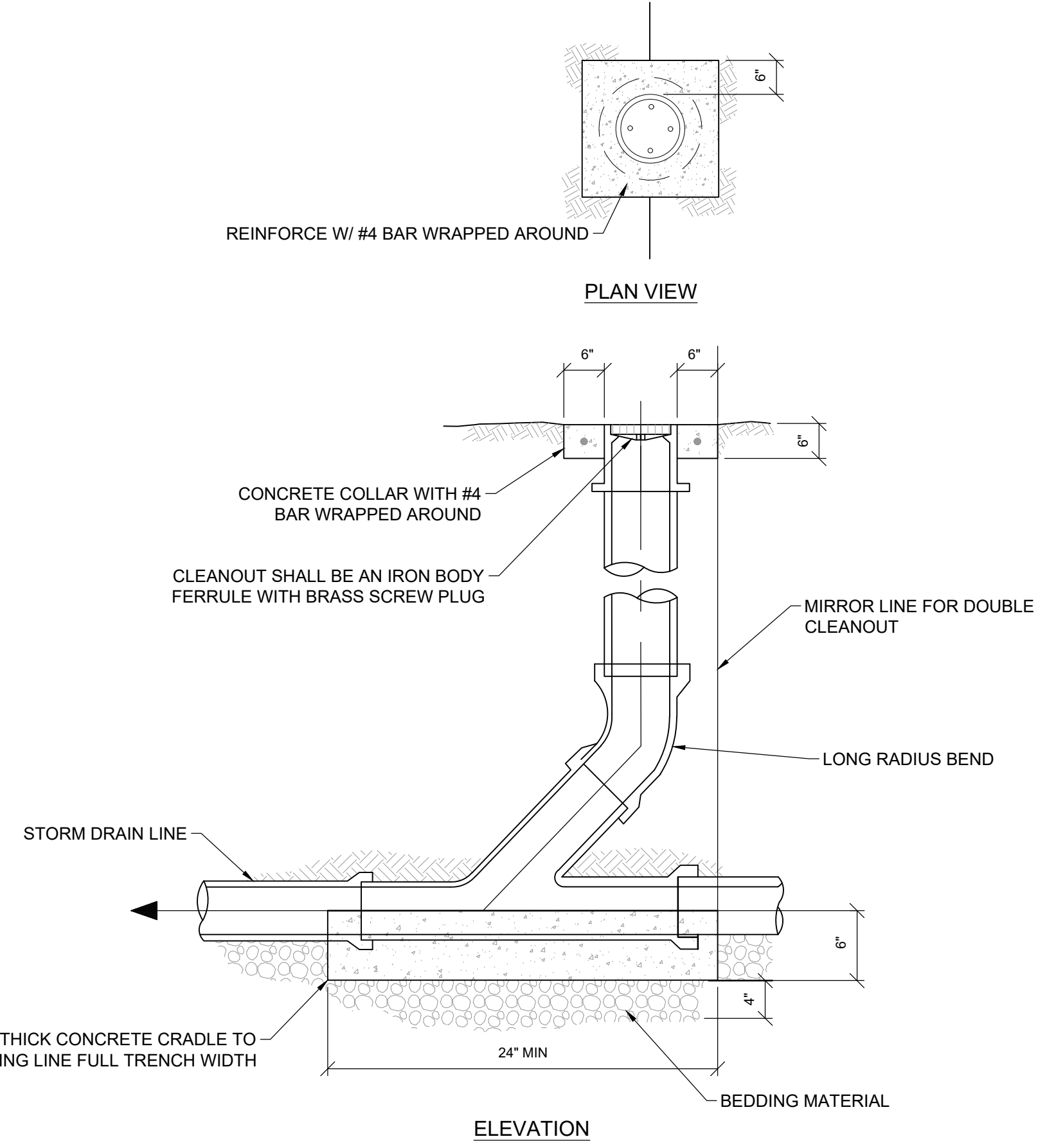
2 LOGAN CITY 2" METER WITH BYPASS  
N.T.S.

3 HAND RAIL DETAIL  
N.T.S.



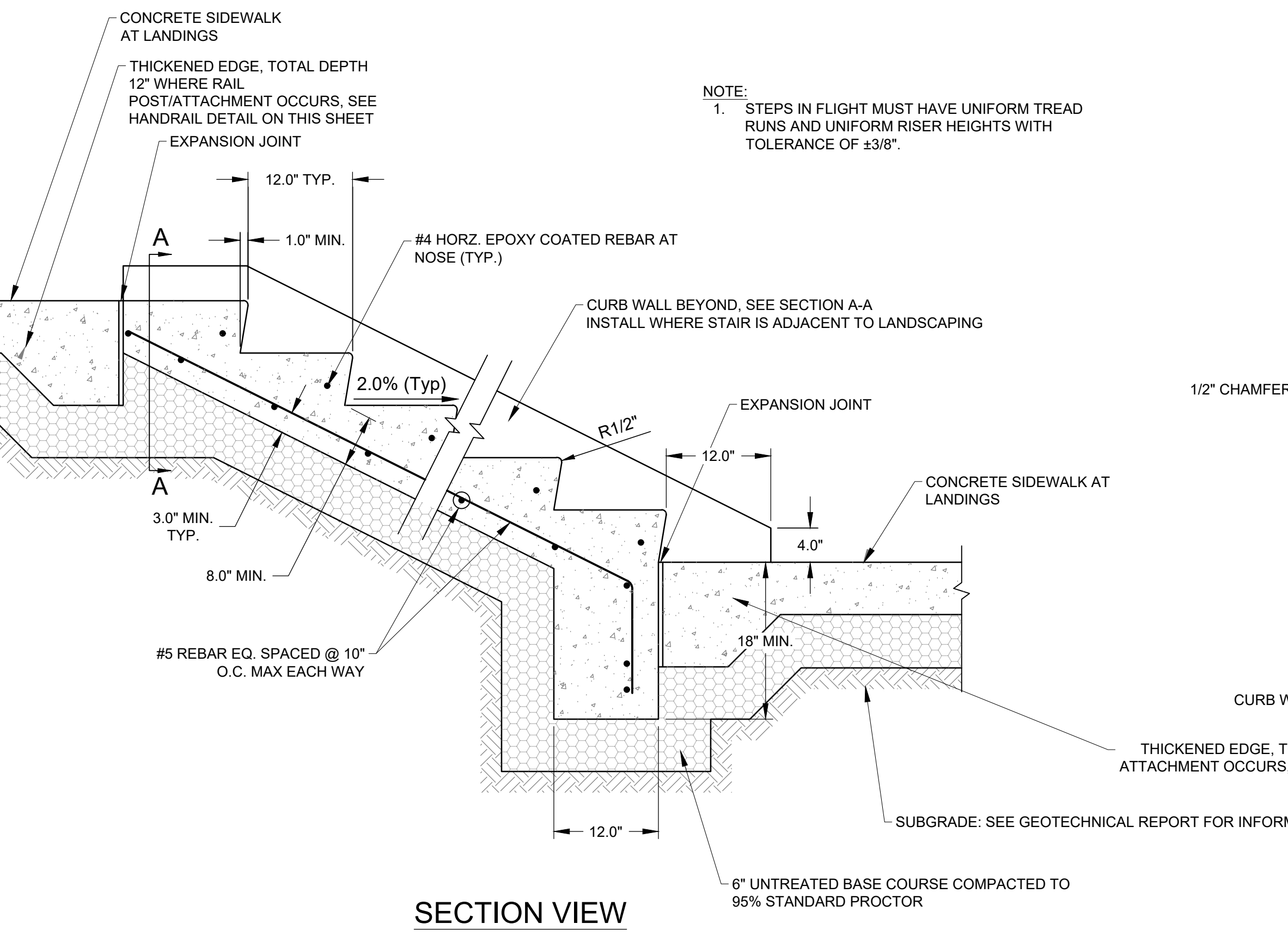
4 3'X3' OPEN BOTTOM INLET DETAIL  
N.T.S.

NOTES:  
 1. CONCRETE SHALL BE 4000 PSI @ 28 DAYS. INLET MAY BE CAST-IN-PLACE OR PRECAST AND SHALL CONFORM TO ASTM C-478. (PRECAST BOX SHOWN)  
 2. CAST-IN-PLACE CONCRETE WALLS SHALL BE 6" MIN. THICKNESS WITH 3/4" CHAMFERED EDGES.  
 3. ALL WALLS AND BASE SHALL BE REINFORCED WITH #4'S @ 8" OC EACH WAY REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2" MINIMUM CLEARANCE.  
 4. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.  
 5. USE NEENAH R-4826 CAST GRATING OR ACCEPTED SUBSTITUTE.  
 6. SEE PLAN DETAILS FOR LOCATION AND SIZE OF PIPE.  
 7. WHEN BITUMINOUS MATERIAL IS TO EXTEND TO THE EDGE OF THE GRATING FRAME, CONCRETE MAY BE DEPRESSED.  
 8. PROVIDE EMBEDDED PLASTIC LADDER STEPS AT 18" SPACING FOR INLETS DEEPER THAN 4".  
 9. FOR INLETS IN LANDSCAPE AREAS, NON-CONCRETE INLET OPTIONS MAY BE ACCEPTABLE. SUBMIT TO ENGINEER FOR REVIEW.

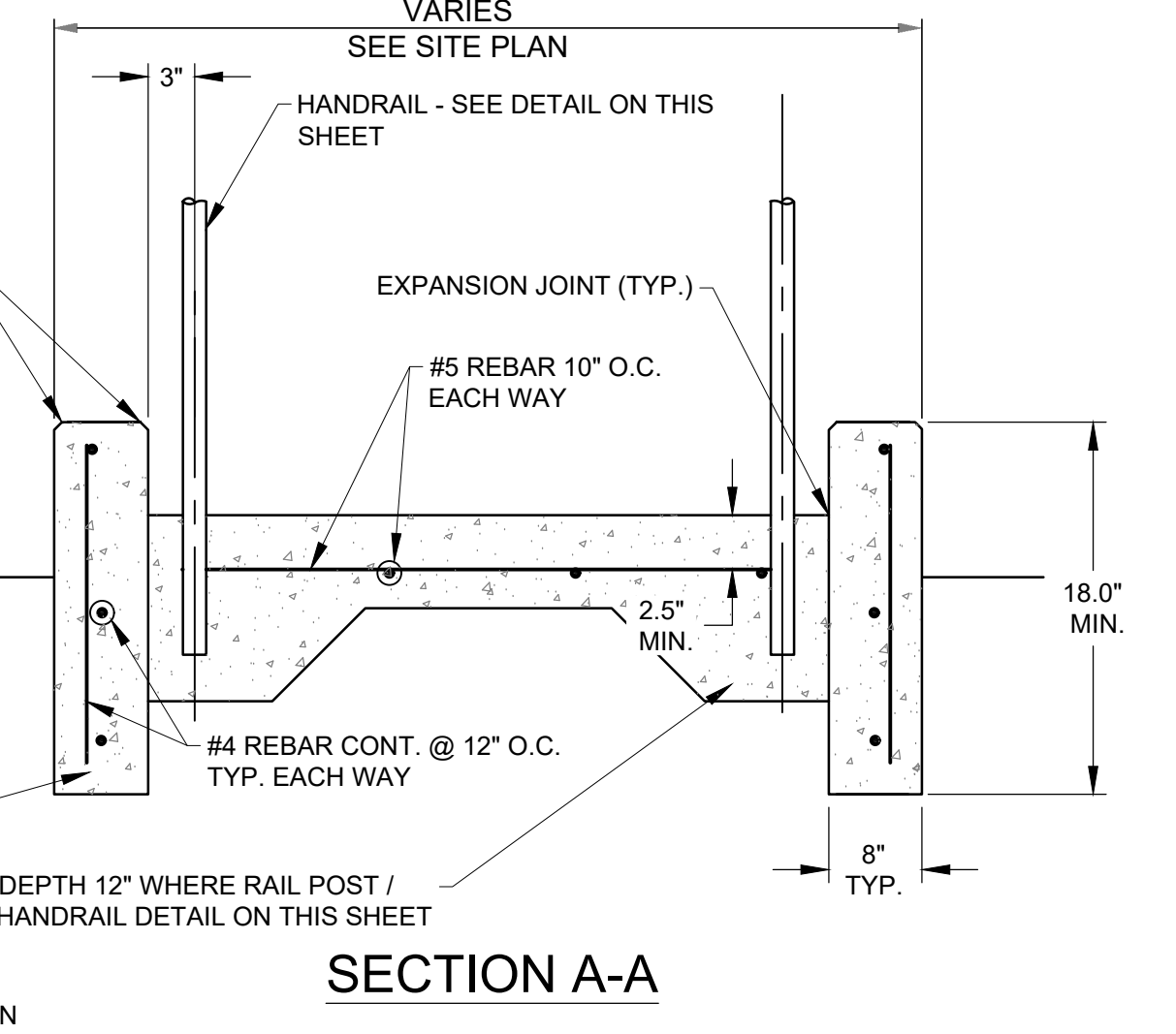


5 STORM DRAIN CLEANOUT DETAIL  
N.T.S.

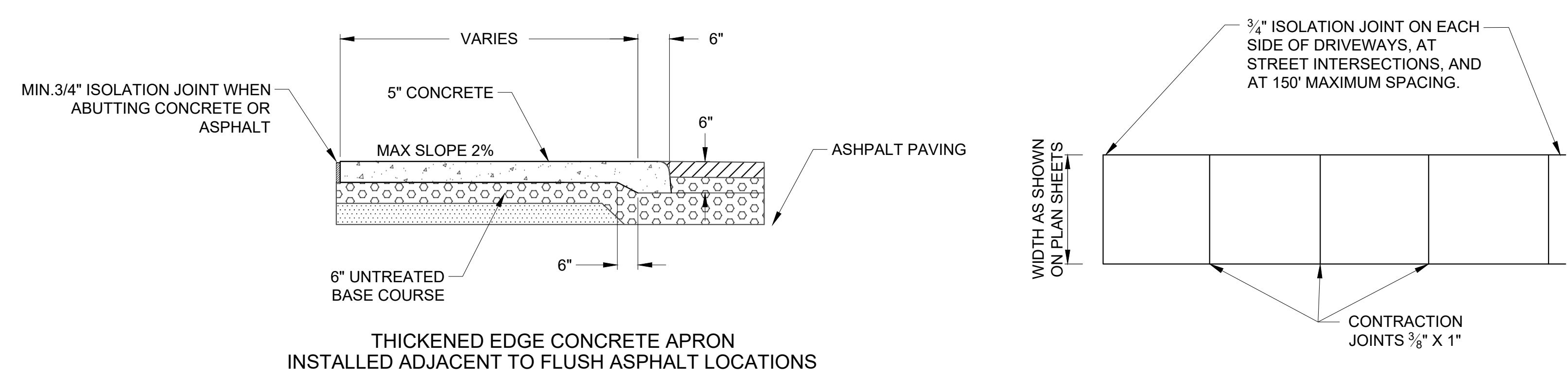
NOTES:  
 1. WHERE CLEANOUT IS INSTALLED IN SOOLED AREAS DEPRESS CONCRETE COLLAR 2" BELOW FINISHED GRADE.  
 2. CLEANOUT RISERS TO BE SAME DIAMETER AS STORM DRAIN LINE (TYP)



6 STAIRS WITH CURB WALL DETAIL  
N.T.S.

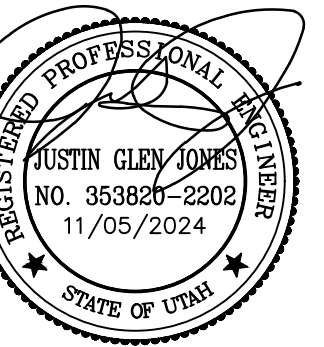


SECTION A-A



7 SIDEWALK DETAILS  
N.T.S.

NOTES:  
 1. 6" UNTREATED BASE COURSE MATERIAL SHALL BE PLACED UNDER THE CONCRETE SIDEWALK.  
 2. TRANSVERSE SIDEWALK JOINT SPACING SHALL VARY FROM 8' TO CREATE APPROXIMATE SQUARE PANELS. WHEN THE SIDEWALK IS ADJACENT TO THE CURB & GUTTER, THE SIDEWALK JOINT SPACING SHALL BE VARIED SO THAT THE SIDEWALK JOINTS MATCH UP WITH THE CURB & GUTTER JOINTS.  
 3. LONGITUDINAL JOINTS SHALL BE USED WHERE THE SIDEWALK WIDTH IS 8' OR GREATER, AND SHALL BE SPACED AT HALF THE SIDEWALK WIDTH.



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DETAILS







**LEGEND:**

- REMOVE CONCRETE FLATWORK
- CLEAR AND GRUB SURFACE INCLUDING LANDSCAPING AND VEGETATION
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE ASPHALT PAVEMENT

- NOTES:**
1. REMOVAL OF CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, AND CONCRETE DRIVEWAYS SHALL BE AT AN EXISTING JOINT OR A JOINT SAWS WITH A VERTICAL FACE AT LEAST 2 FEET FROM AN EXISTING JOINT.
  2. ALL IMPROVEMENTS SHOWN IN COLOR ARE TO BE REMOVED, RELOCATED, OR REPLACED.
  3. ALL UTILITIES NOT SHOWN IN COLOR ARE TO BE PROTECTED IN PLACE.

- KEYNOTES:**
- 1 REMOVE EXISTING TREE - INCLUDING ALL ROOTS
  - 2 REMOVE EXISTING CONCRETE CURBING
  - 3 REMOVE EXISTING CHAIN LINK FENCING - INCLUDING CONCRETE MOW CURB IF PRESENT, AND CONCRETE FENCE POST FOOTINGS
  - 4 REMOVE EXISTING CONCRETE RETAINING WALL - INCLUDING FOOTINGS
  - 5 ABANDON EXISTING BURIED ELECTRICAL; COORDINATE WITH LOGAN LIGHT & POWER
  - 6 ABANDON EXISTING BURIED COMMUNICATION SERVICE - INCLUDING ALL PEDESTALS AND HANDHOLES; COORDINATE WITH LUMEN AND COMCAST
  - 7 ABANDON EXISTING NATURAL GAS SERVICE - INCLUDING METERS, VALVES AND PIPING; COORDINATE WITH DOMINION ENERGY
  - 8 ABANDON AND PLUG EXISTING CULINARY WATER SERVICE AT MAIN - INCLUDING METER, VAULT, VALVES AND PIPING; COORDINATE WITH LOGAN CITY
  - 9 REMOVE EXISTING CONCRETE STAIRS - INCLUDING FOOTINGS AND RAILINGS
  - 10 REMOVE MECHANICAL EQUIPMENT (SEE ARCHITECTURAL PLANS)
  - 11 REMOVE EXISTING STRUCTURE (SEE ARCHITECTURAL PLANS AND ASBESTOS STUDY RESULTS)
  - 12 REMOVE EXISTING SEWER SERVICE WITHIN PROPERTY LIMITS AND REPLACE WITH NEW (SEE SITE & UTILITY PLAN)



DATE	REVISION

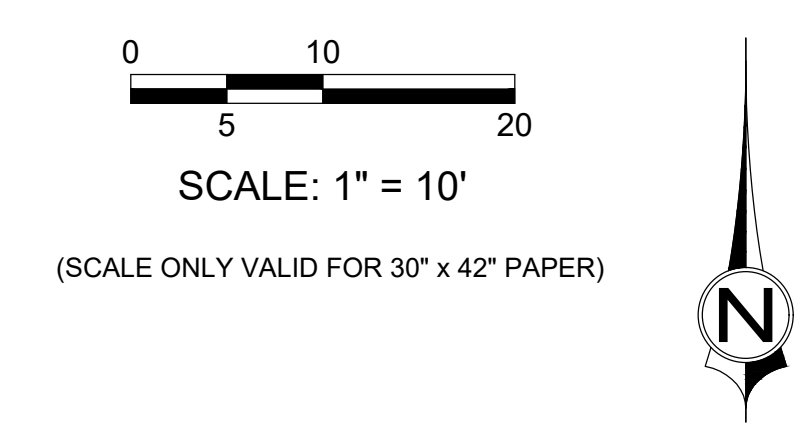
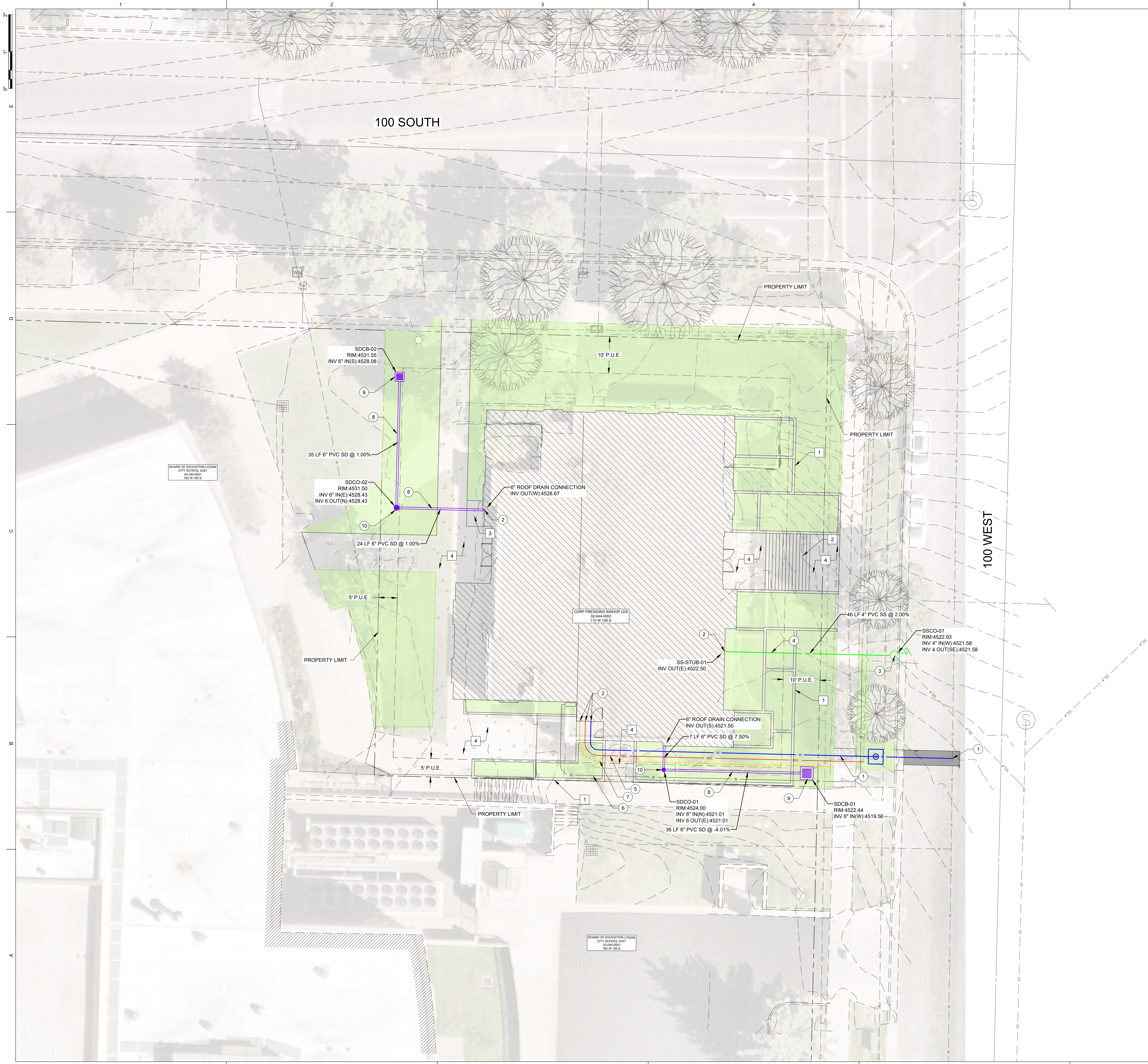
DATE NOV. 2024  
 PROJECT NUMBER FF-24179.00

**DEMOLITION PLAN**

DM01

**CivilScience**  
 3160 W. Clubhouse Drive, Ste. A  
 Lehi, UT 84043  
 801.768.7200

**811**  
 Know what's below.  
 Call before you dig.



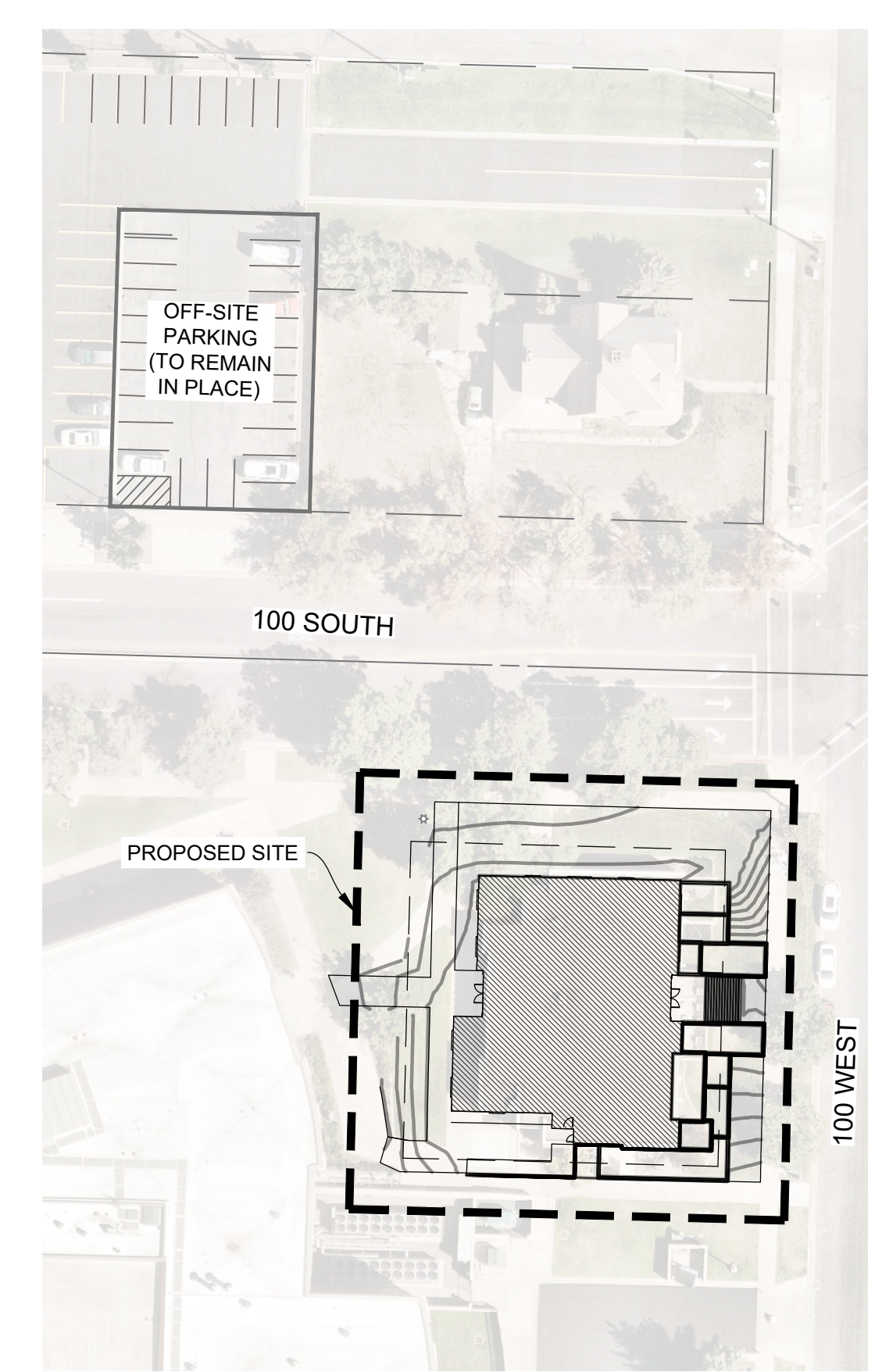
- LEGEND:**
- CONCRETE SIDEWALK OR FLATWORK
  - LANDSCAPING (SEE LANDSCAPE PLANS)

- SITE WORK NOTES:**
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED PER LOGAN CITY STANDARDS AND APWA STANDARD SPECIFICATIONS AND PLANS, 2007 EDITION, OR DETAILS AS NOTED BELOW.
  - SEE SHEET GP01 FOR SITE ELEVATIONS.

- SITE WORK KEYNOTES:**
- FURNISH AND INSTALL CONCRETE RETAINING WALL (REFERENCE GRADING PLAN FOR ELEVATIONS AND STRUCTURAL PLANS FOR DETAILS)
  - FURNISH AND INSTALL SITE STAIRS (SEE DT SHEETS FOR DETAILS)
  - FURNISH AND INSTALL BICYCLE RACK (SEE ARCHITECTURAL DRAWINGS)
  - FURNISH AND INSTALL CONCRETE SIDEWALK (SEE DT SHEETS FOR DETAILS)

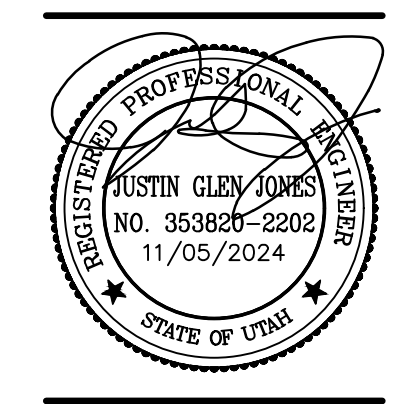
- UTILITY NOTES:**
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED PER LOGAN CITY STANDARDS AND APWA STANDARD SPECIFICATIONS AND PLANS, 2007 EDITION, OR DETAILS AS NOTED BELOW.

- UTILITY KEYNOTES:**
- FURNISH AND INSTALL 2" CULINARY WATER SERVICE PER LOGAN STD. DETAIL 522 (SEE DT SHEETS FOR DETAILS)
  - UTILITY POINT OF CONNECTION (COORDINATE WITH MEP PLANS)
  - CONNECT TO EXISTING 4" SEWER LATERAL WITH CLEANOUT
  - FURNISH AND INSTALL 4" SANITARY SEWER SERVICE PER LOGAN STD. DETAIL 431 (SEE DT SHEETS FOR DETAILS)
  - APPROXIMATE LOCATION OF POWER SERVICE. COORDINATE CONNECTION AND ROUTING WITH SERVICE PROVIDER
  - APPROXIMATE LOCATION OF GAS SERVICE. COORDINATE CONNECTION AND ROUTING WITH SERVICE PROVIDER
  - APPROXIMATE LOCATION OF COMMUNICATIONS SERVICE. COORDINATE CONNECTION AND ROUTING WITH SERVICE PROVIDER
  - FURNISH AND INSTALL 6" ROOF DRAIN CONNECTION
  - FURNISH AND INSTALL 3'x3' OPEN BOTTOM BUBBLE UP BOX (SEE DT SHEETS FOR DETAILS)
  - FURNISH AND INSTALL 12" STORM DRAIN CLEANOUT (SEE DT SHEETS FOR DETAILS)



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**Logan UT Seminary Building - 5022453**  
110 W. 100 S. Logan, UT 84321  
The Church Of Jesus Christ Of Latter-Day Saints  
Construction Documents - 09.06.24



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NOV. 2024	

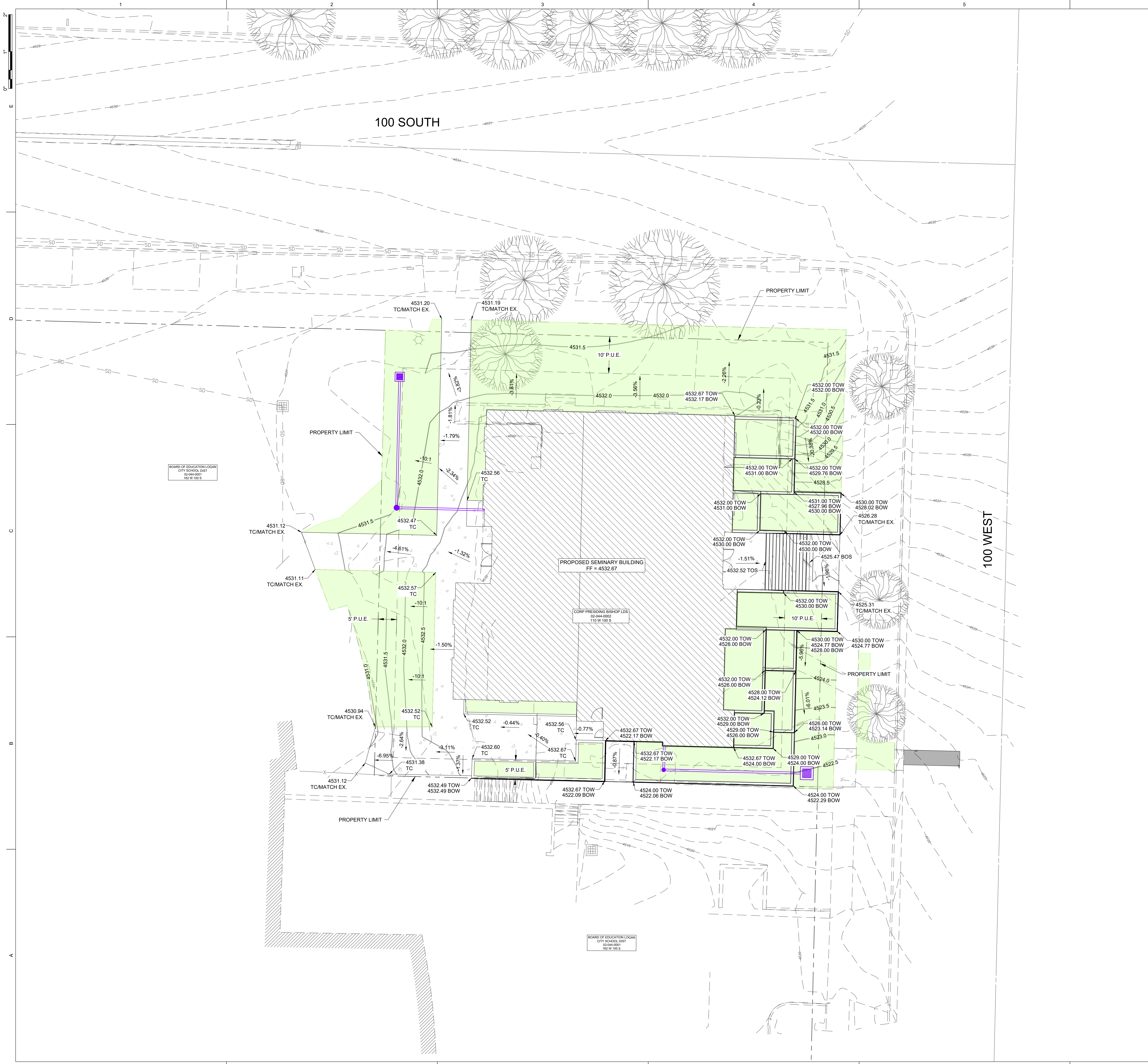
PROJECT NUMBER: FF-24179.00

**SITE & UTILITY PLAN**

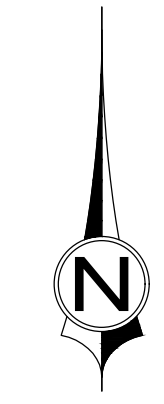
SP01

**CivilScience**  
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Lehi, UT 84043  
801.768.7200


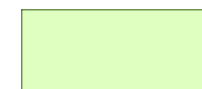
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Call before you dig.

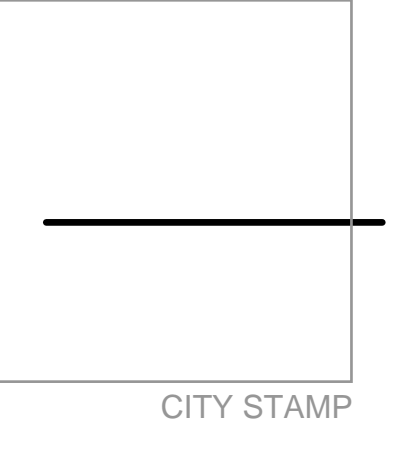


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 (SCALE ONLY VALID FOR 30" x 42" PAPER)

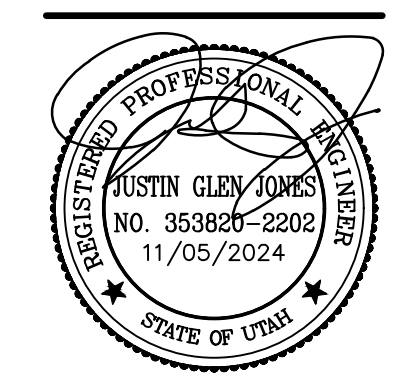


**LEGEND:**

-  CONCRETE SIDEWALK OR FLATWORK
-  LANDSCAPING (SEE LANDSCAPE PLANS)



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 Construction Documents - 09.06.24



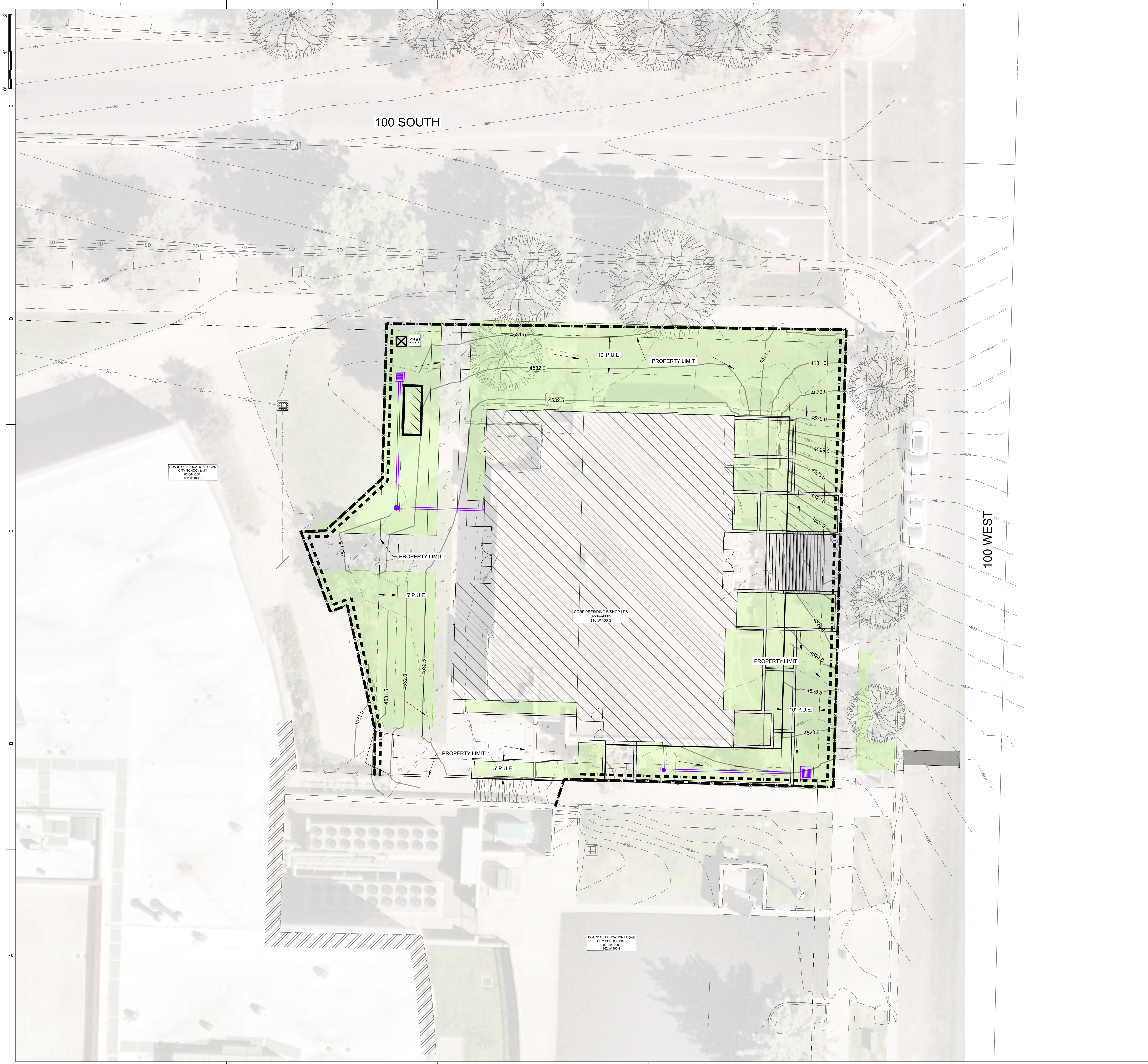
△ DATE REVISION

DATE NOV. 2024  
 PROJECT NUMBER FF-24179-00

**GRADING & DRAINAGE PLAN**

GP01



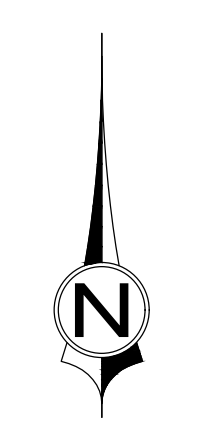


BOARD OF EDUCATION LOGAN CITY SCHOOL DIST  
 02-044-0015  
 102 W 100 S

CORP PRESIDING BISHOP LDS  
 02-044-0012  
 110 W 100 S

BOARD OF EDUCATION LOGAN CITY SCHOOL DIST  
 02-044-0015  
 102 W 100 S

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 (SCALE ONLY VALID FOR 30" x 42" PAPER)



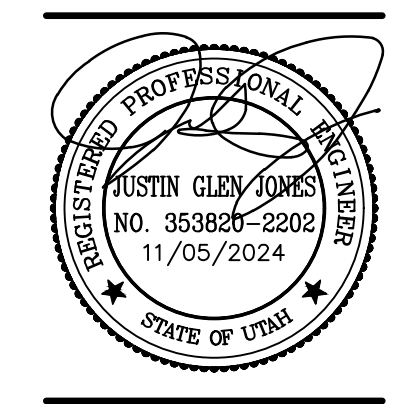
- LEGEND:**
- |  |                 |  |                                   |
|--|-----------------|--|-----------------------------------|
|  | <b>EXISTING</b> |  | <b>PROPOSED</b>                   |
|  |                 |  | MAJOR CONTOUR                     |
|  |                 |  | MINOR CONTOUR                     |
|  |                 |  | CURB, GUTTER, SIDEWALK            |
|  |                 |  | EDGE OF PAVEMENT                  |
|  |                 |  | STREET CENTERLINE                 |
|  |                 |  | PROPERTY / ROW LINE               |
|  |                 |  | EASEMENT LINE                     |
|  |                 |  | FENCE                             |
|  |                 |  | STORM DRAIN INLET, PIPE & MANHOLE |
|  |                 |  | CONCRETE SIDEWALK OR FLATWORK     |
|  |                 |  | LANDSCAPING (SEE LANDSCAPE PLANS) |

- BMP LEGEND:**
- |  |   |
|--|---|
|  | SILT FENCE PER UDOT STD DWG. NO. EN2            |
|  | CONSTRUCTION FENCING WITH VISUAL SCREEN BARRIER |
|  | CONCRETE WASHOUT (SEE APWA PLAN 125)            |
|  | INLET PROTECTION (SEE APWA PLAN 124.1)          |
|  | PORTABLE TOILET                                 |
|  | DUMPSTER  |
|  | FLOW DIRECTION                                  |

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 Construction Documents - 09.06.24



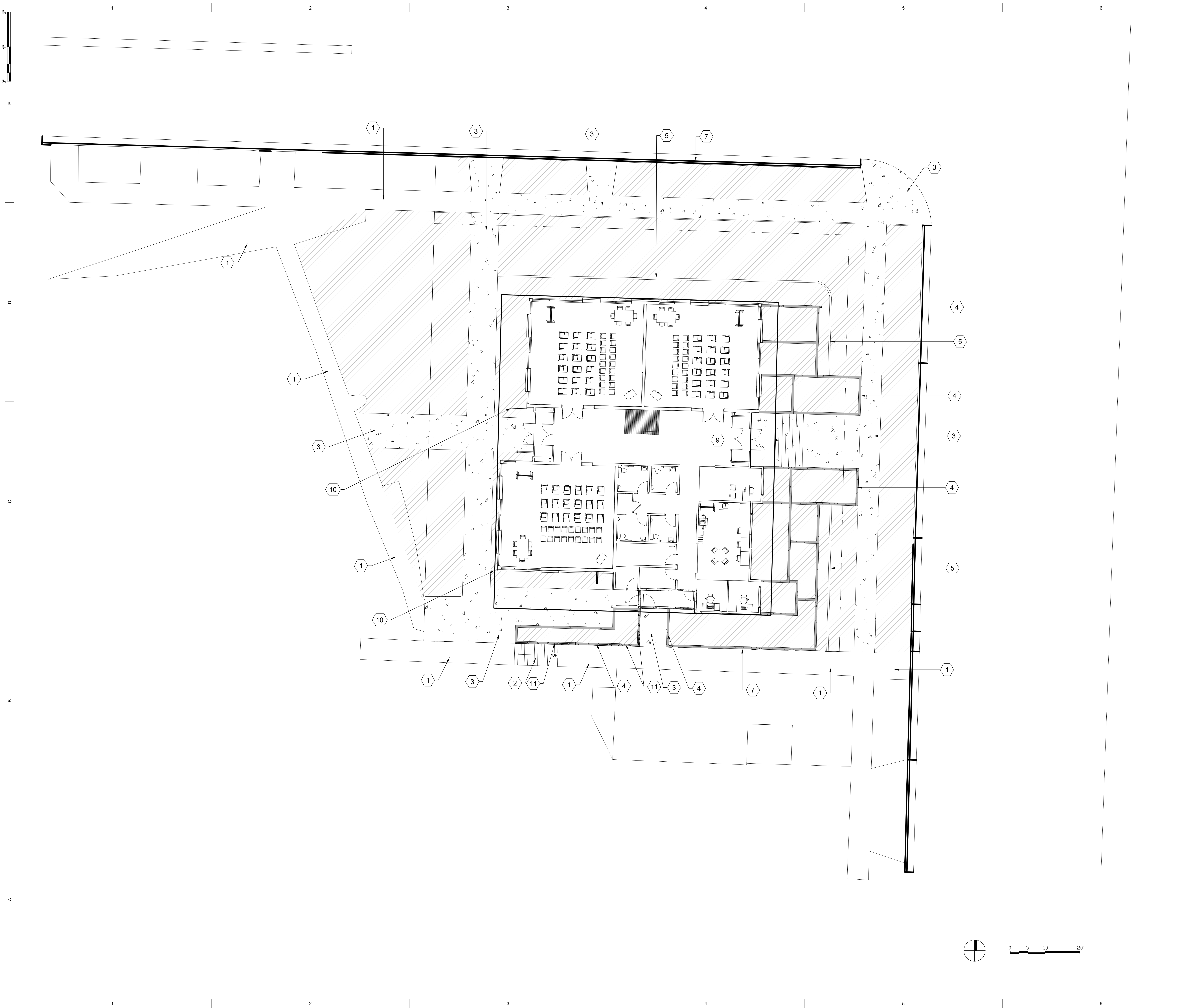
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DATE NOV. 2024  
 PROJECT NUMBER FF-24179.00

SWPPP  
 SITE PLAN

EC01

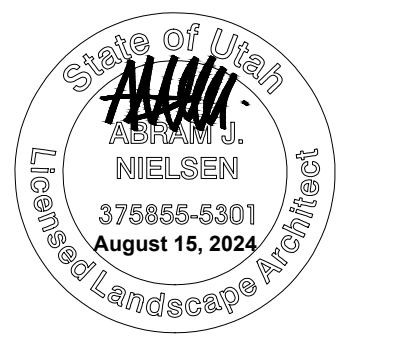




- REFERENCE NOTES**
- ① EXISTING SIDEWALK, SEE CIVIL.
  - ② EXISTING CONCRETE STAIRS TO REMAIN
  - ③ CONCRETE PAVING, SEE CIVIL DWGS
  - ④ CONCRETE WALL - SEE DETAIL B5/LA400
  - ⑤ CONCRETE MOW CURB - SEE DETAIL C6/LA400
  - ⑦ CONCRETE, CURB, AND GUTTER, SEE CIVIL.
  - ⑨ STAIRS AND CHEEKWALL, SEE DETAIL A3/LA400
  - ⑩ METAL EDGING - SEE DETAIL C5/LA400
  - ⑪ DECORATIVE METAL FENCE - SEE DETAIL D6/LA400

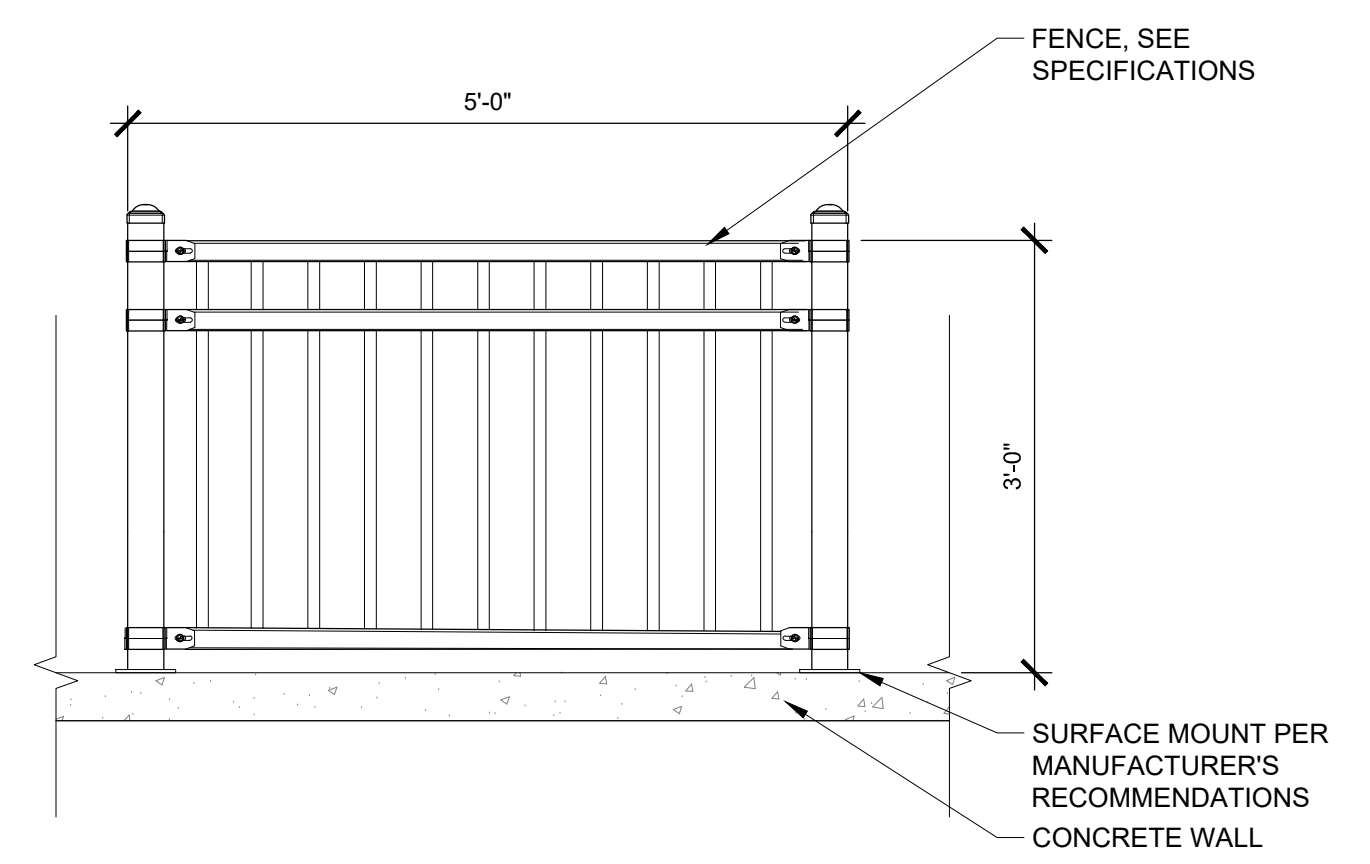
- LEGEND**
- LANDSCAPE AREA - SEE PLANTING PLAN

- NOTES:**
1. SOURCE OF BASE DATA IS AND IS ASSUMED TO BE CORRECT. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
  2. VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER CONTRACTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT OWNER'S REPRESENTATIVES FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
  3. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND BY HAND IF NECESSARY. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
  4. EXISTING UNDERGROUND UTILITIES ARE SHOWN PER AVAILABLE RECORDS. VERIFY THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION OF THE NEW FACILITIES. PROTECT EXISTING UTILITIES TO REMAIN.
  5. DEBRIS CREATED BY CONSTRUCTION OPERATIONS BECOMES PROPERTY OF THE CONTRACTOR AND IS TO BE LEGALLY REMOVED AND DISPOSED OF AWAY FROM THE JOB SITE.



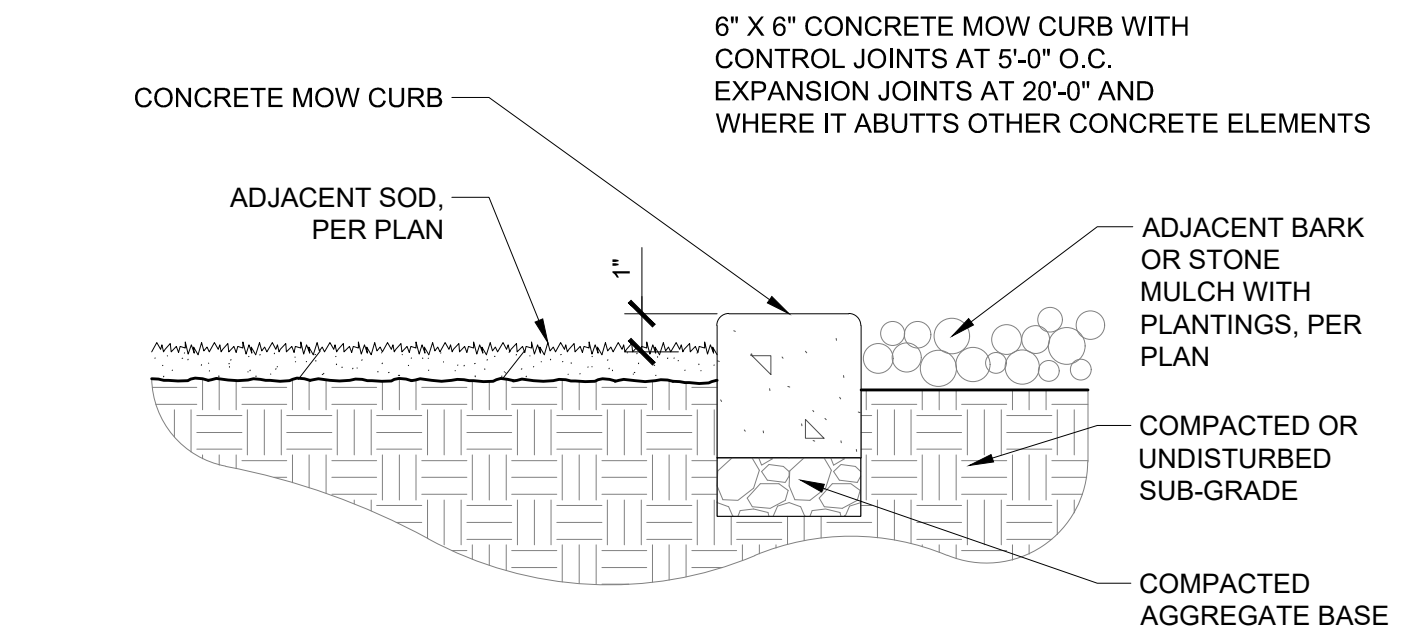
DATE	REVISION

**SITE MATERIALS PLAN**

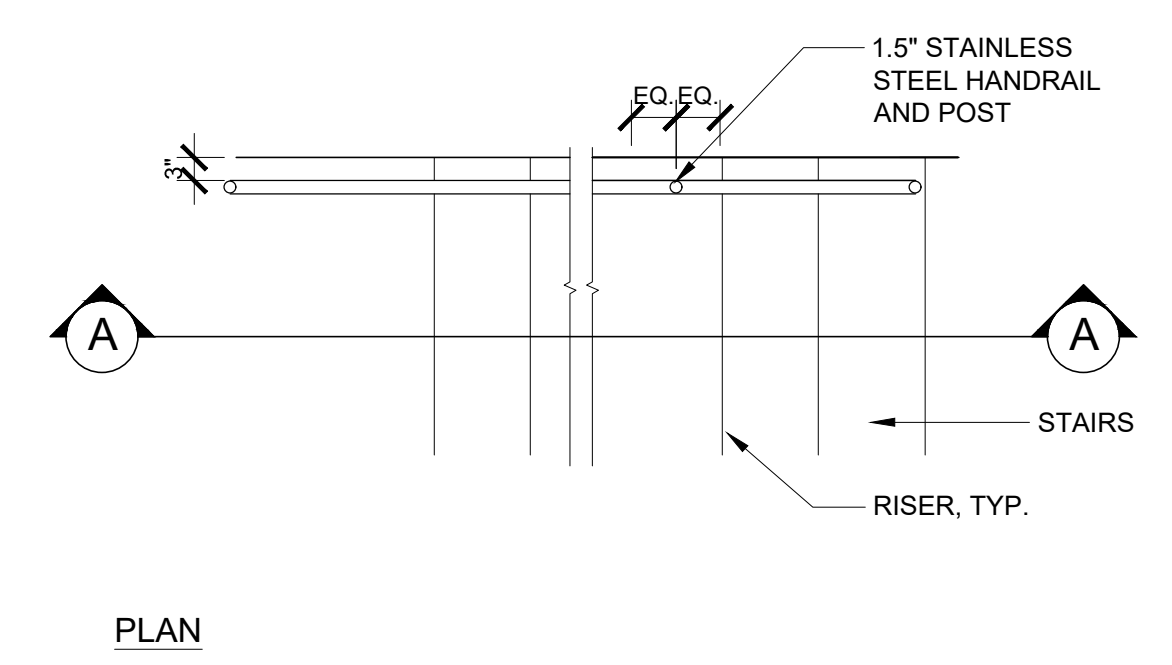


**D6 DECORATIVE METAL FENCE**  
 3/4" = 1'-0"

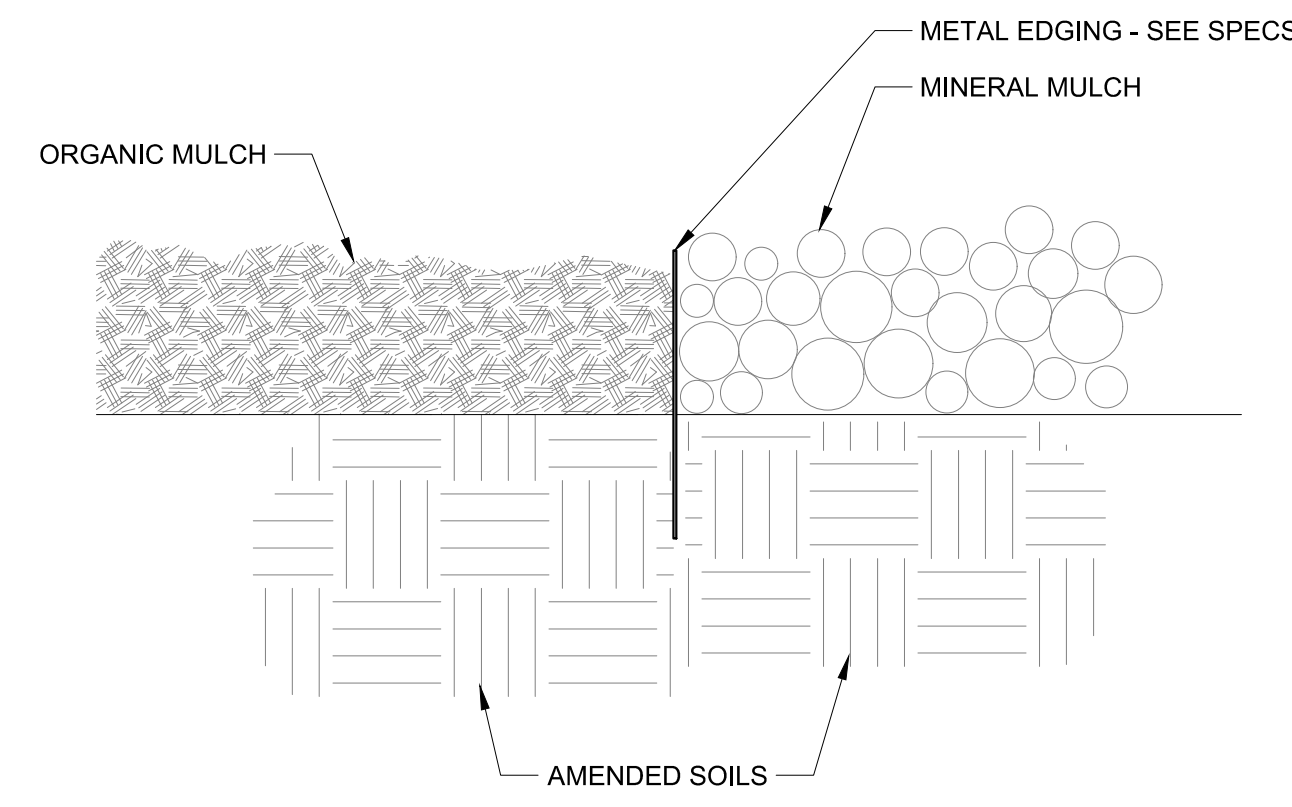
- NOTES:**
1. MOW CURB TO BE CAST-IN-PLACE AND POURED USING TYPICAL WEIGHT STRUCTURAL CONCRETE
  2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AROUND MOW CURB - DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOW CURB.
  3. MAXIMUM 1/2" WIDTH VARIATIONS
  4. PRECISELY FOLLOW LAYOUT AS SHOWN ON LAYOUT PLAN.



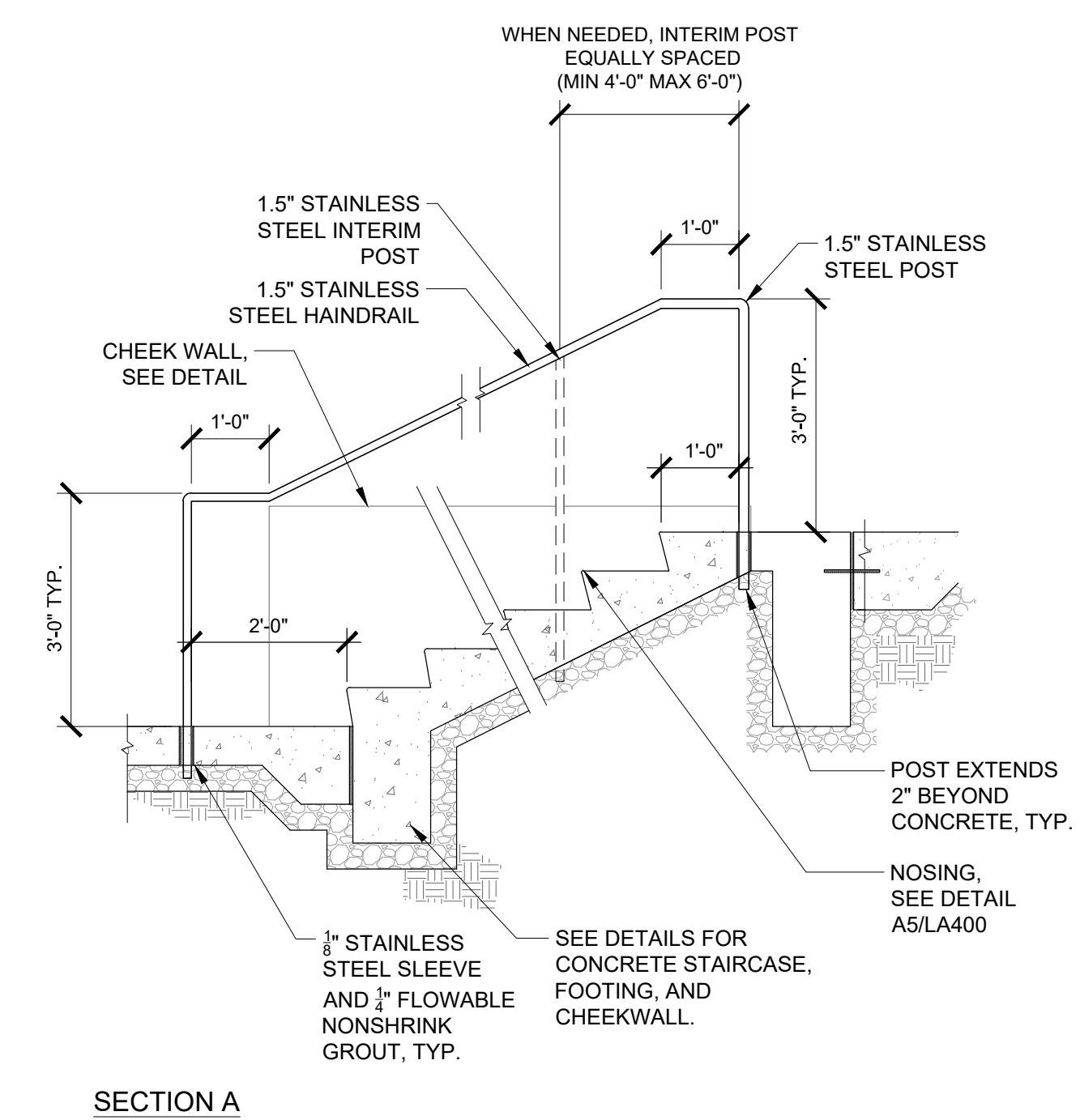
**C6 CONCRETE MOW CURB**  
 NOT TO SCALE



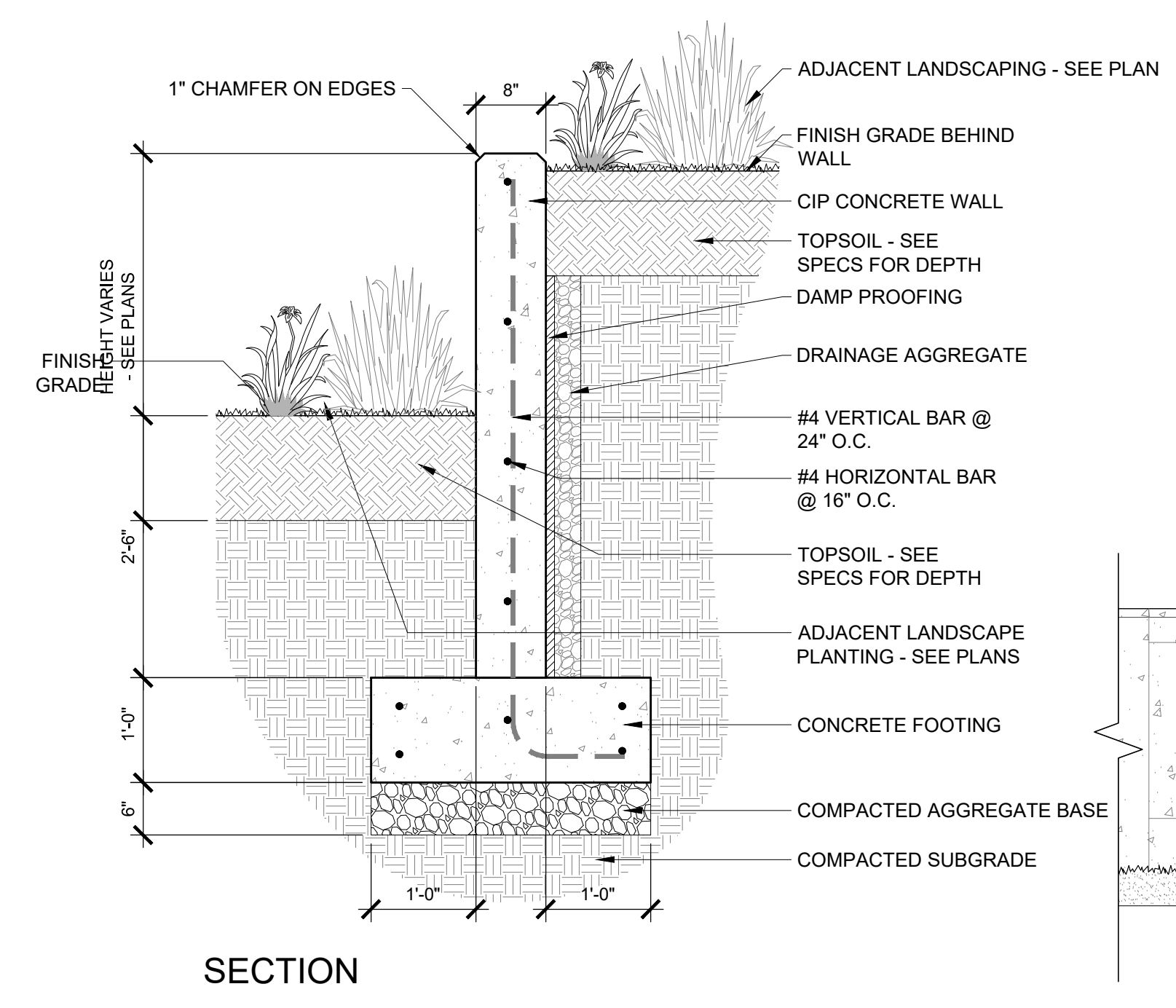
**PLAN**



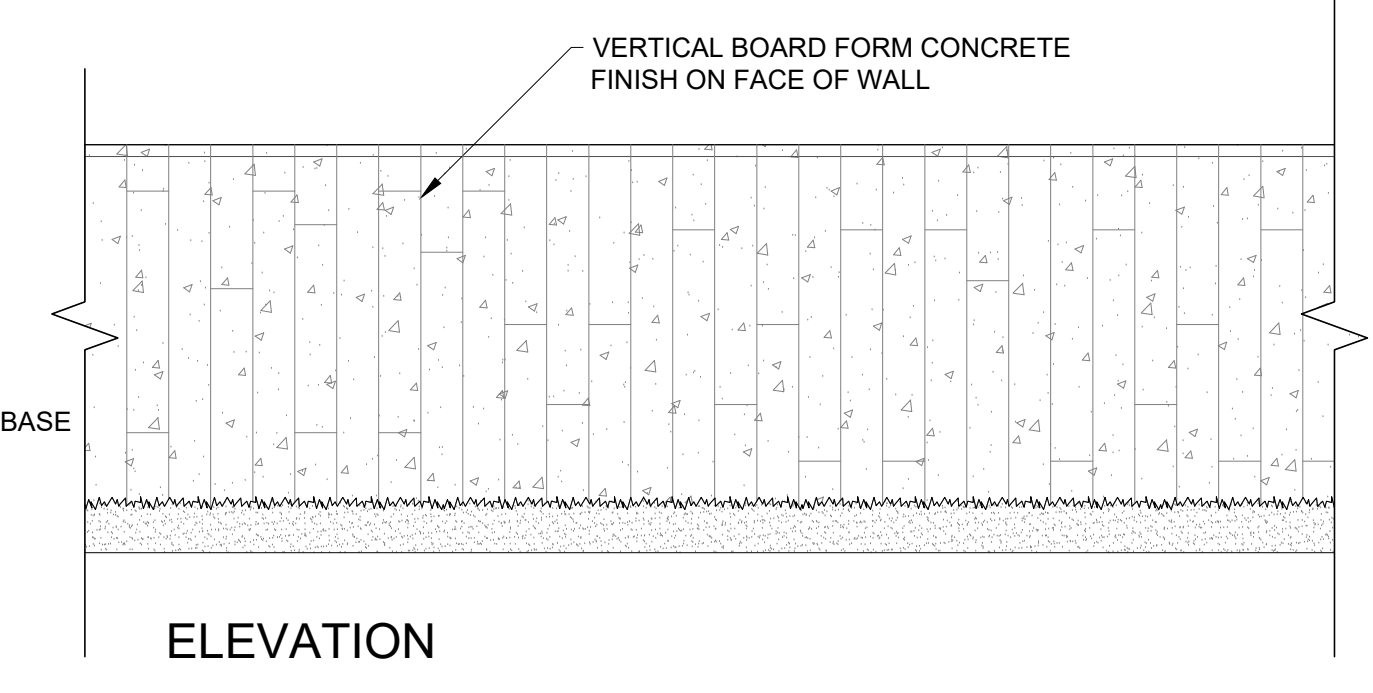
**C5 METAL EDGING AT PLANTER AREAS**  
 1 1/2" = 1'-0"



**SECTION A**



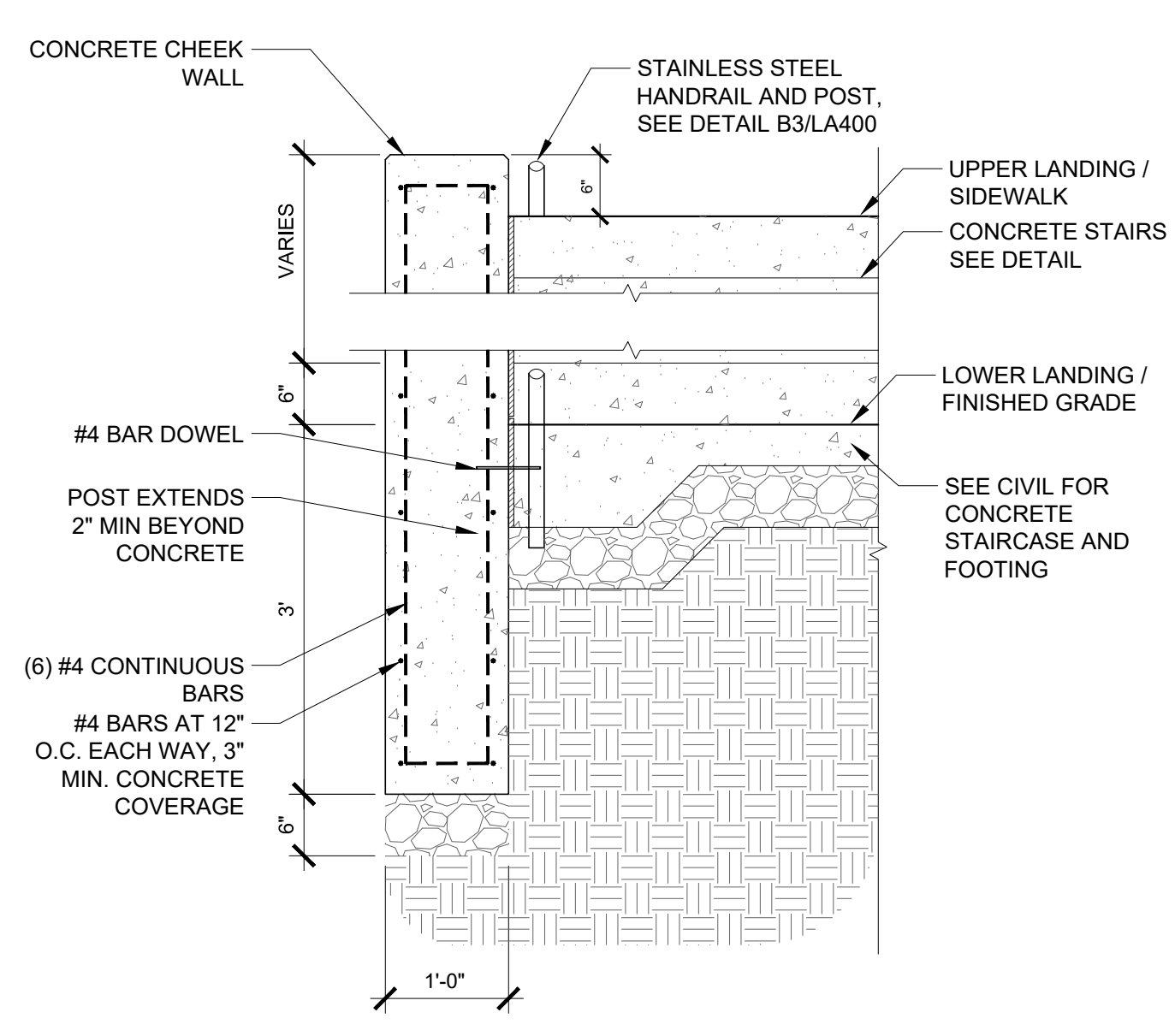
**SECTION**



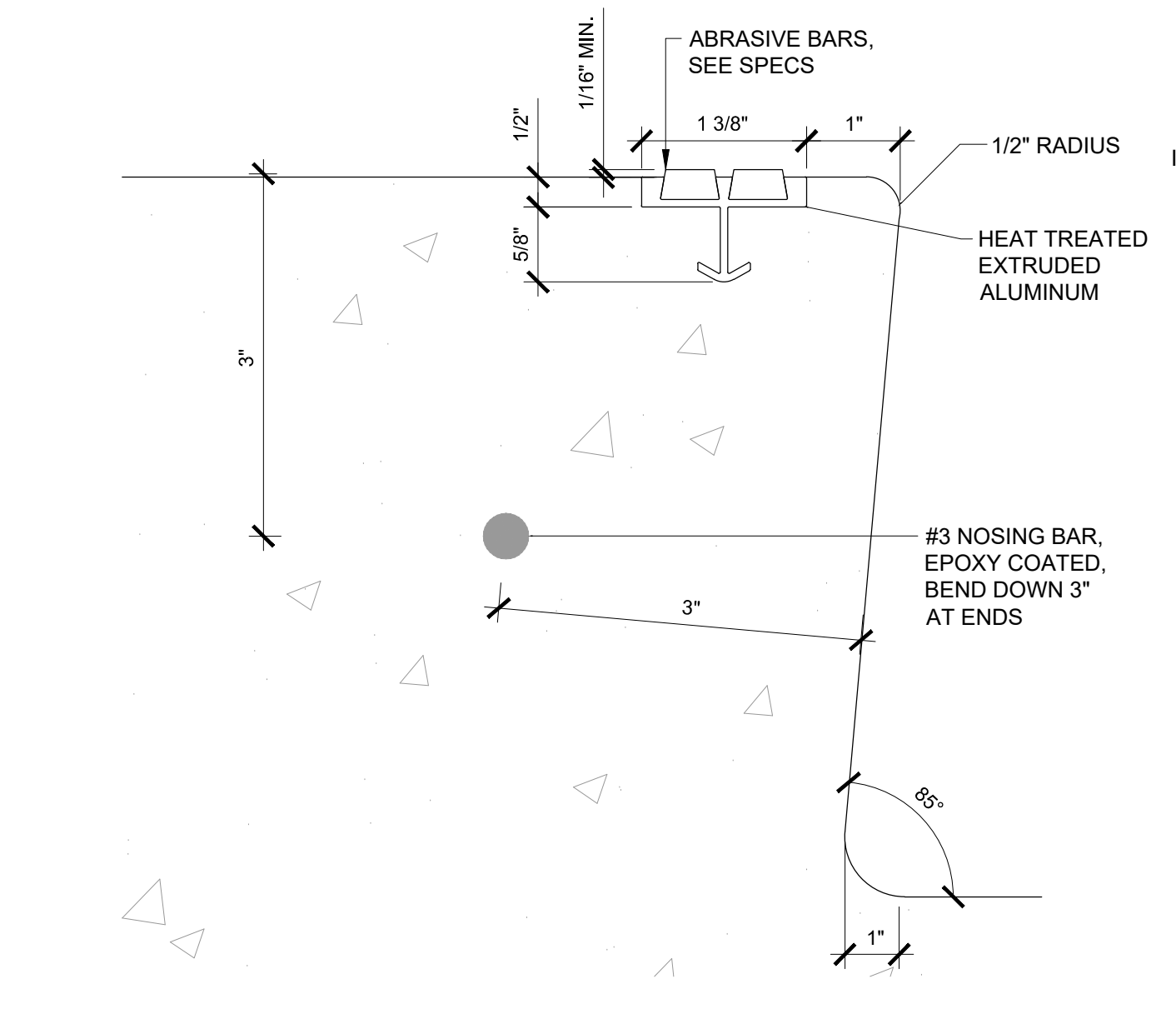
**ELEVATION**

**B3 HANDRAIL**  
 1/2" = 1'-0"

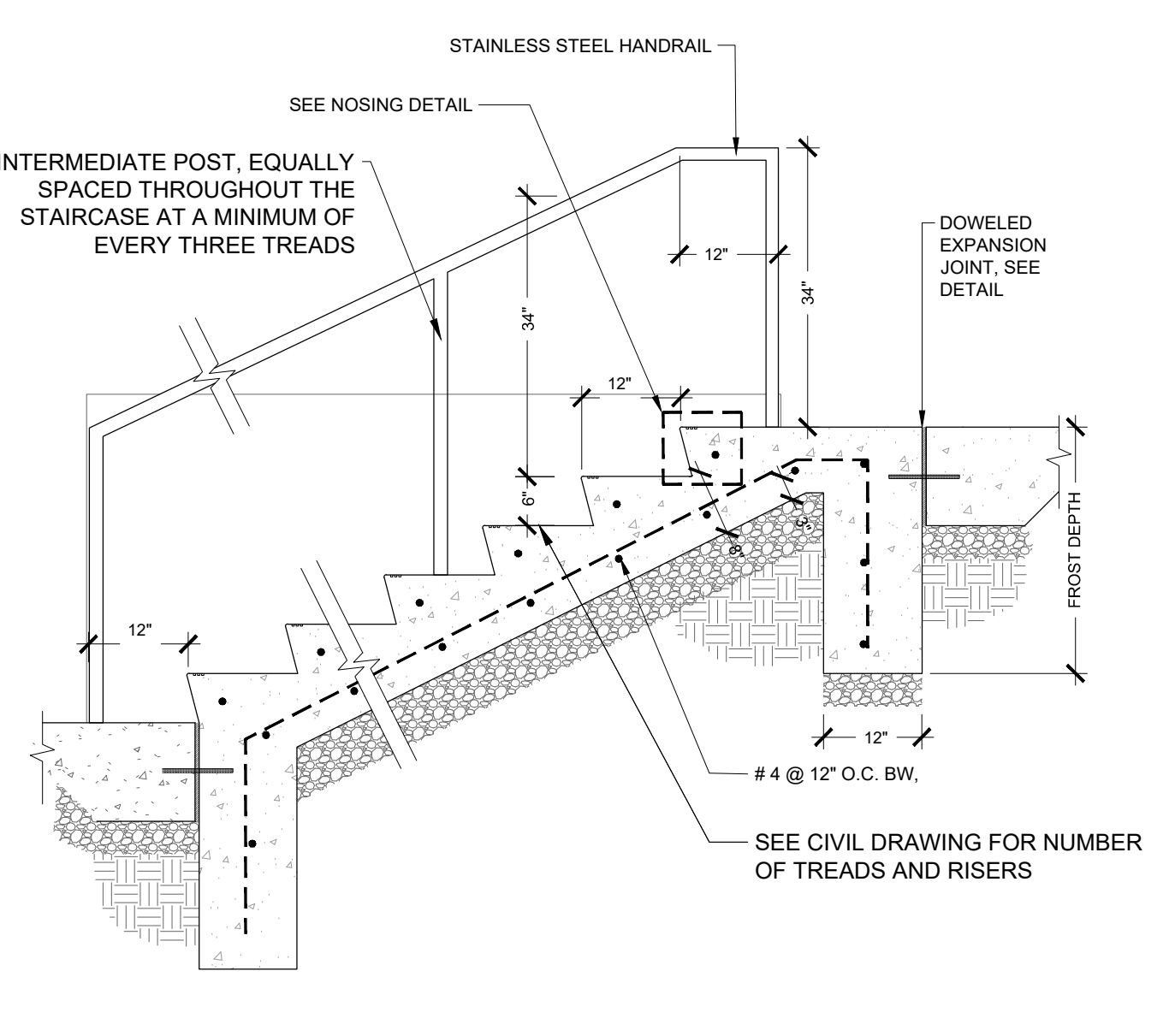
**B5 CONCRETE WALL**  
 3/4" = 1'-0"



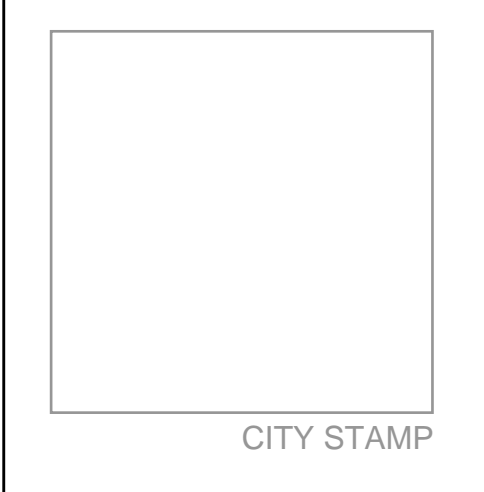
**A3 CHEEK WALL**  
 3/4" = 1'-0"



**A5 NOSING DETAIL**  
 NOT TO SCALE

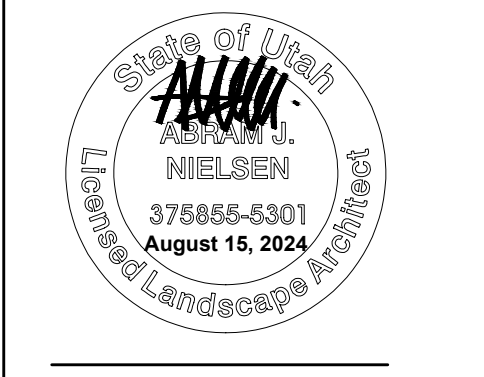


**A6 CONCRETE STAIR**  
 1" = 20"



CITY STAMP

**LOGAN HIGH SCHOOL SEMINARY REBUILD**  
 110 W 100 S LOGAN, UT 84321 - 5022453  
 CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS  
 100% CONSTRUCTION DOCUMENTS - 09.05.24

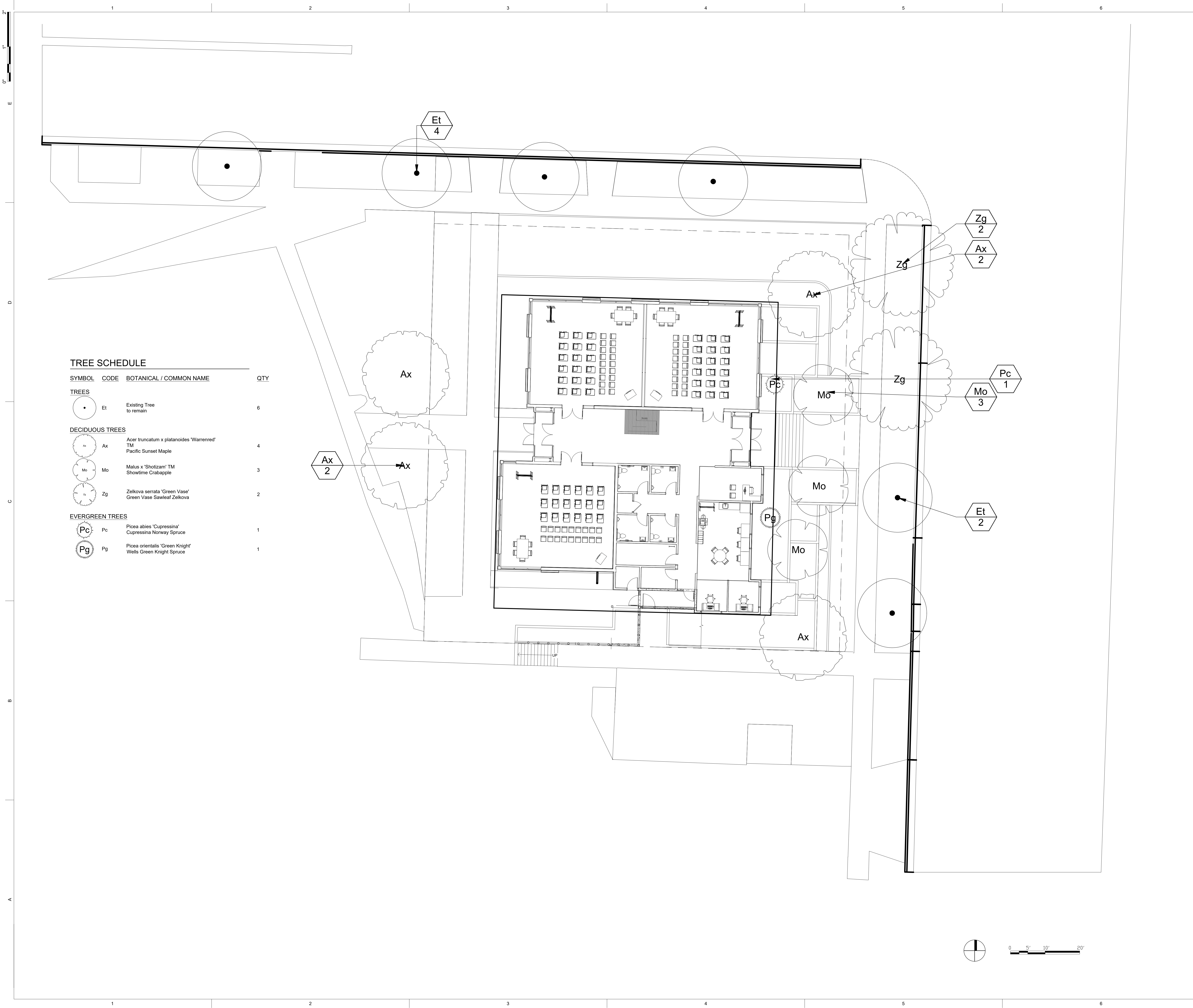


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PROJECT NUMBER 24003

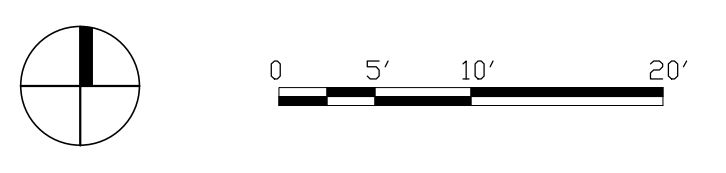
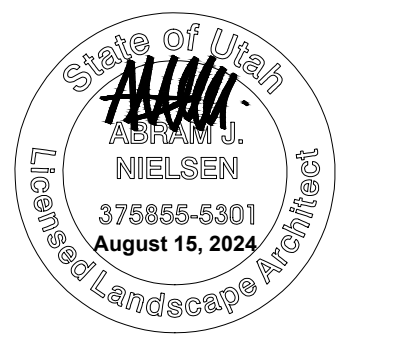
**SITE DETAILS**

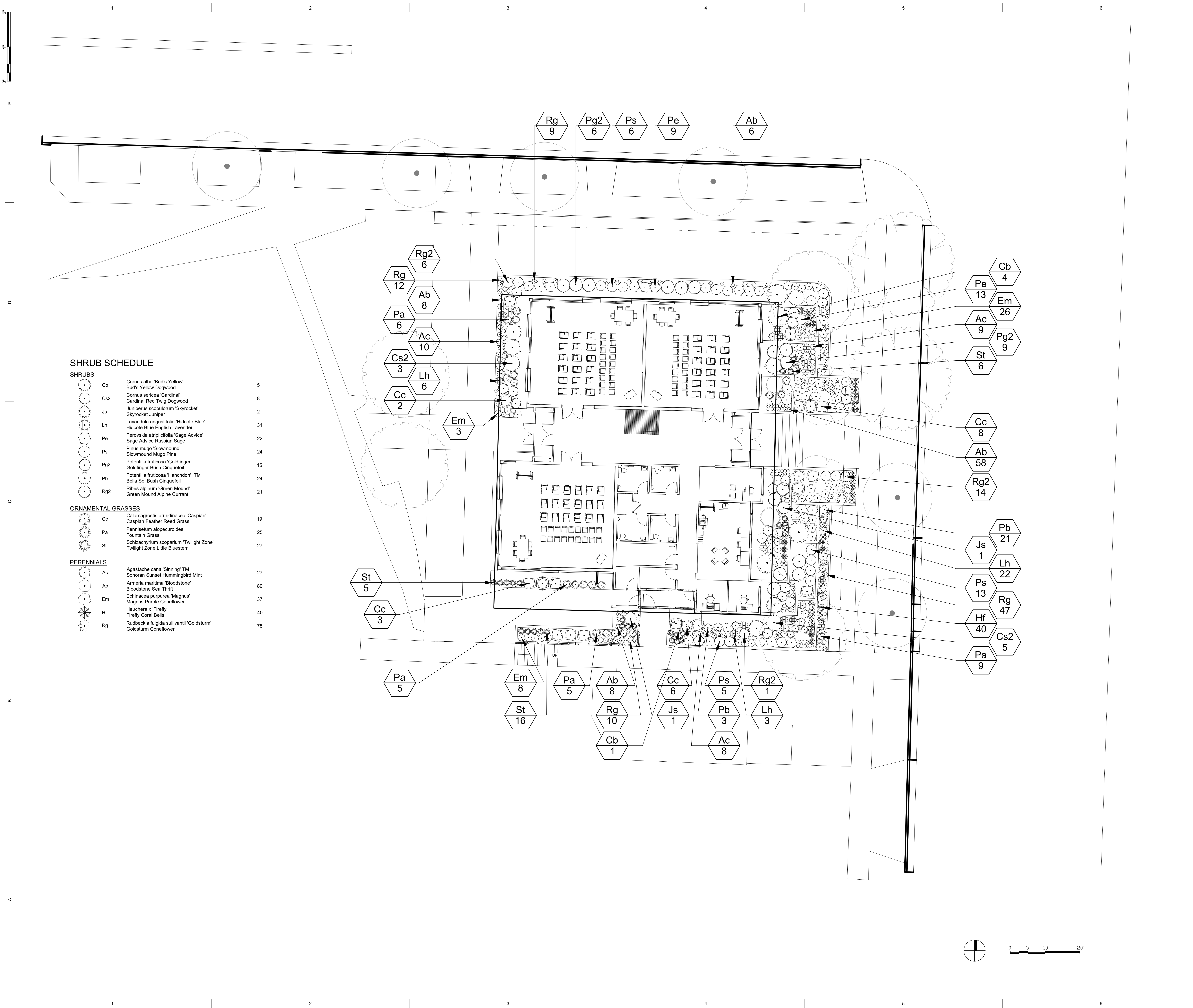
LA400



REFERENCE NOTES

- NOTES:**
- REFER TO SHEET L 404 FOR PLANT SCHEDULE
  - REFER TO CIVIL ENGINEERS UTILITY AND PRECISE GRADING PLANS FOR UTILITY LOCATION AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY AS TO HOW TO PROCEED.
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  - PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
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  - ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS SHRUBS SO DESIGNATED PER THESE NOTES AND DRAWINGS.
  - FINISH GRADES OF SHRUB AREAS AND LAWNS/GRASSES SHALL BE 1 INCH BELOW ADJACENT PAVING OR EDGING.
  - PROVIDE BURLAP WRAPPING TO SECOND BRANCH WITH 50% OVERLAP.





**SHRUB SCHEDULE**

<b>SHRUBS</b>			
	Cb	Cornus alba 'Bud's Yellow' Bud's Yellow Dogwood	5
	Cs2	Cornus sericea 'Cardinal' Cardinal Red Twig Dogwood	8
	Js	Juniperus scopulorum 'Skyrocket' Skyrocket Juniper	2
	Lh	Lavandula angustifolia 'Hidcote Blue' Hidcote Blue English Lavender	31
	Pe	Perovskia atriplicifolia 'Sage Advice' Sage Advice Russian Sage	22
	Ps	Pinus mugo 'Slowmound' Slowmound Mugo Pine	24
	Pg2	Potentilla fruticosa 'Goldfinger' Goldfinger Bush Cinquefoil	15
	Pb	Potentilla fruticosa 'Hanchdon'™ Bella Sol Bush Cinquefoil	24
	Rg2	Ribes alpinum 'Green Mound' Green Mound Alpine Currant	21
<b>ORNAMENTAL GRASSES</b>			
	Cc	Calamagrostis arundinacea 'Caspian' Caspian Feather Reed Grass	19
	Pa	Fernisetum alopecuroides Fountain Grass	25
	St	Schizachyrium scoparium 'Twilight Zone' Twilight Zone Little Bluestem	27
<b>PERENNIALS</b>			
	Ac	Agastache cana 'Sinning'™ Sonoran Sunset Hummingbird Mint	27
	Ab	Armeria maritima 'Bloodstone' Bloodstone Sea Thrift	80
	Em	Echinacea purpurea 'Magnus' Magnus Purple Coneflower	37
	Hf	Heuchera x 'Firefly' Firefly Coral Bells	40
	Rg	Rudbeckia fulgida sullivantii 'Goldsturm' Goldsturm Coneflower	78

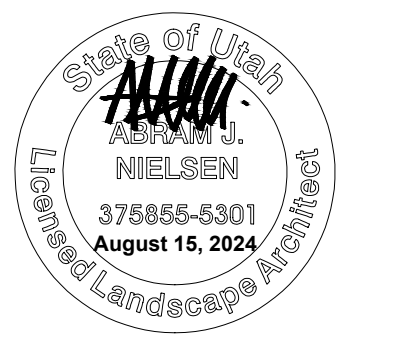
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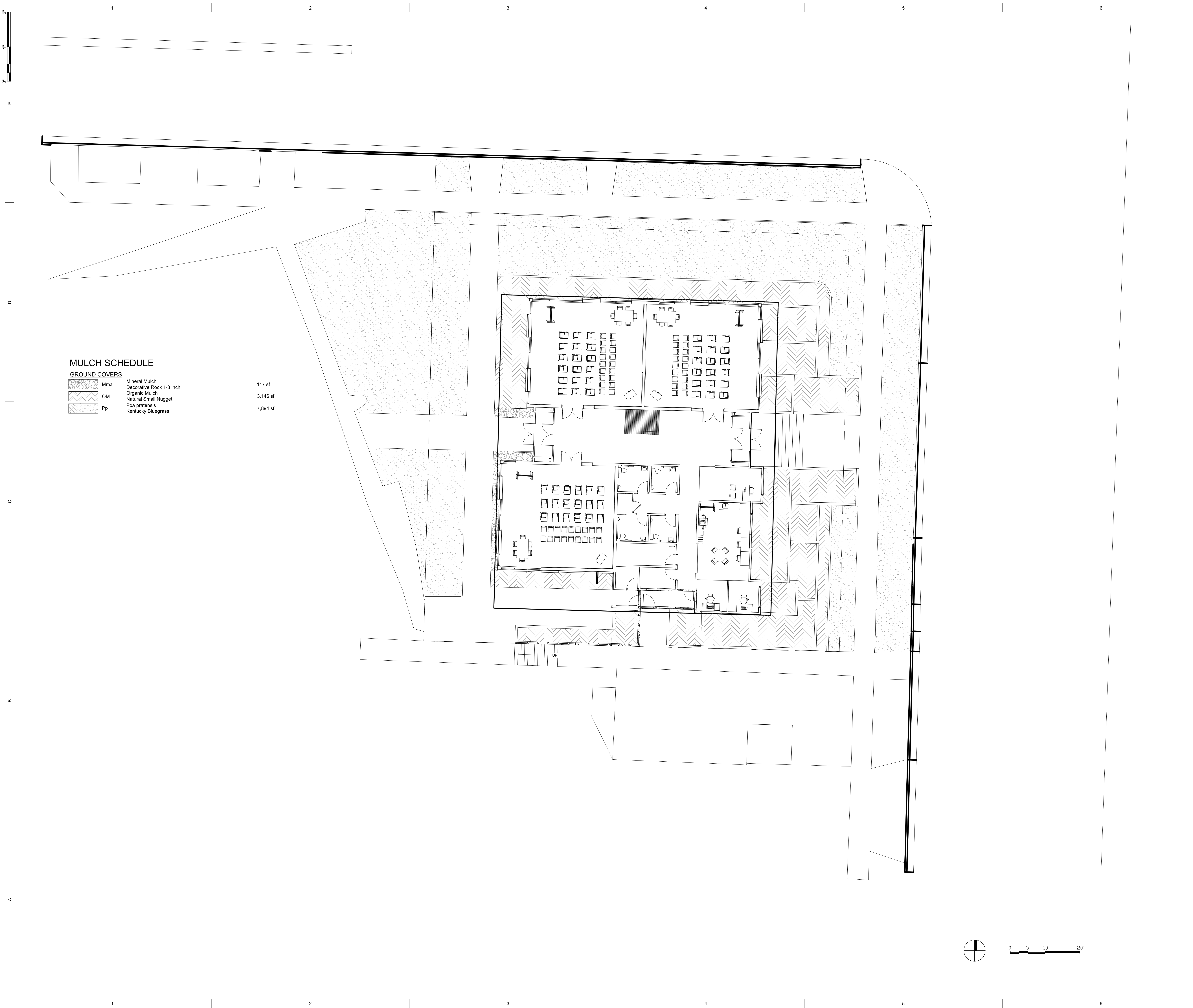
**FFKR ARCHITECTS**  
 730 Pacific Avenue • Salt Lake City, Utah 84104  
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**LOGAN HIGH SCHOOL SEMINARY REBUILD**  
 110 W 100 S LOGAN, UT 84321 - 5022453  
 CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS  
 100% CONSTRUCTION DOCUMENTS - 09.05.24



PROJECT NUMBER 24003  
**LANDSCAPE SHRUB PLANTING PLAN**  
 LA502





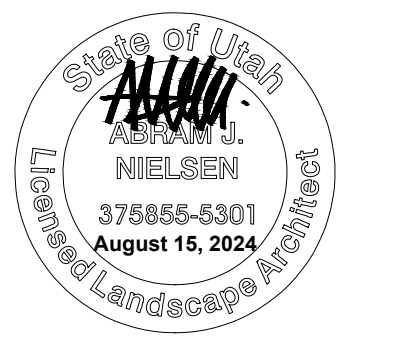
**MULCH SCHEDULE**

GROUND COVERS		
Mma	Mineral Mulch	117 sf
OM	Decorative Rock 1-3 inch	3,146 sf
Pp	Organic Mulch	7,804 sf
	Natural Small Nugget	
	Poa pratensis	
	Kentucky Bluegrass	

**REFERENCE NOTES**

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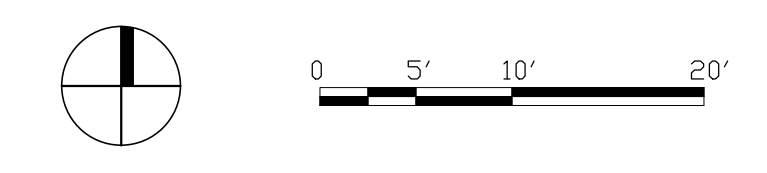


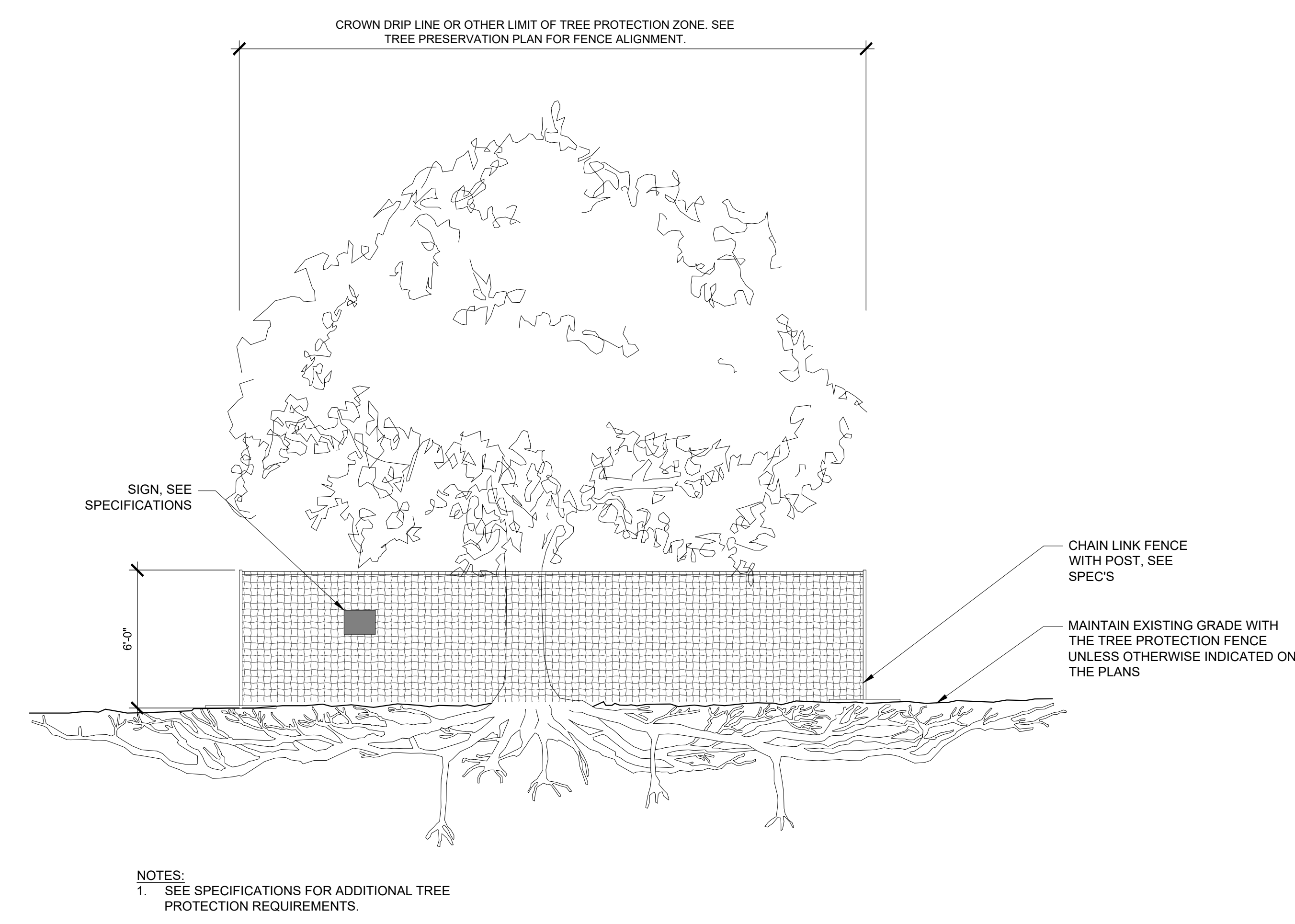
DATE	REVISION

PROJECT NUMBER 24003

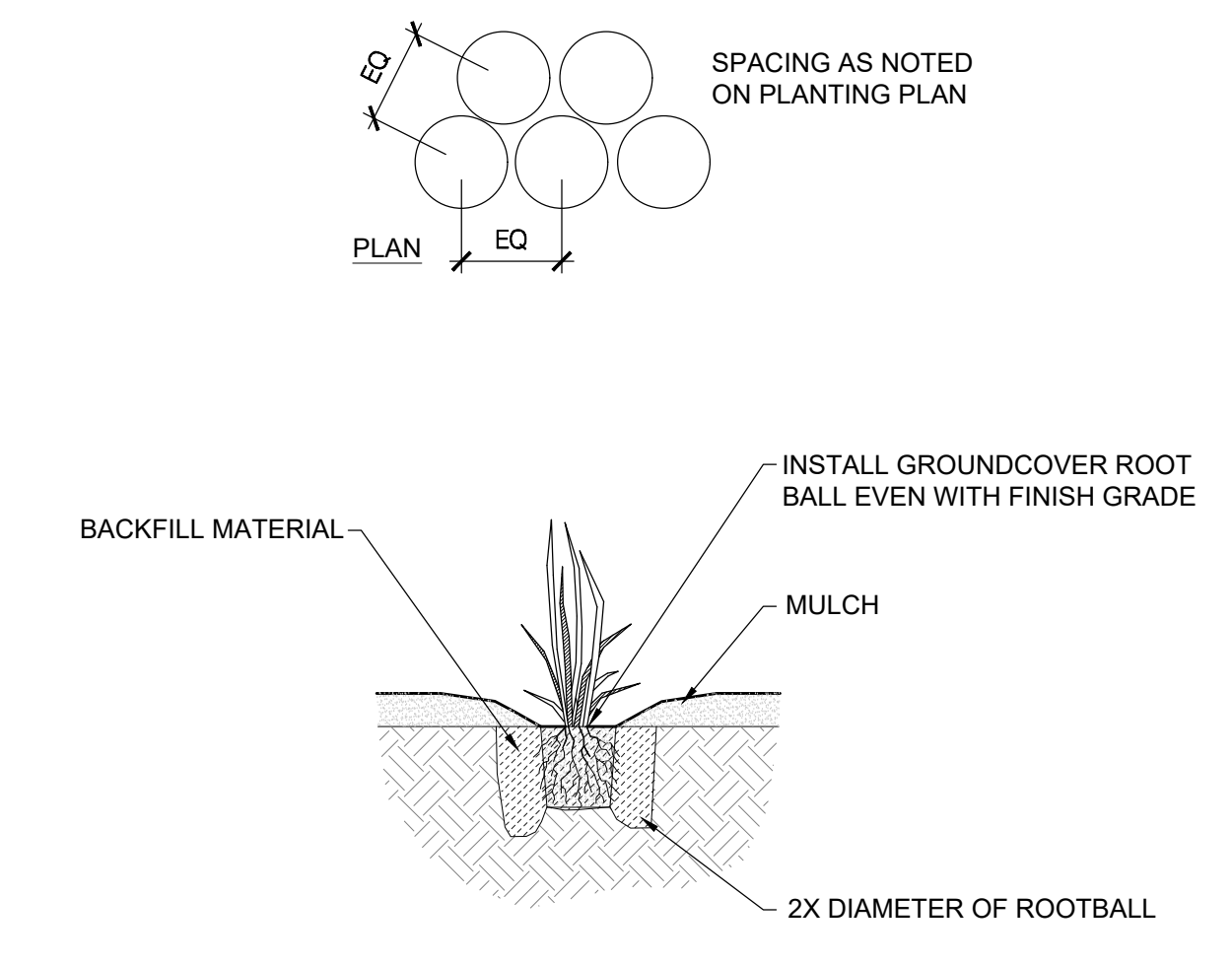
**LANDSCAPE MULCH PLAN**

LA503

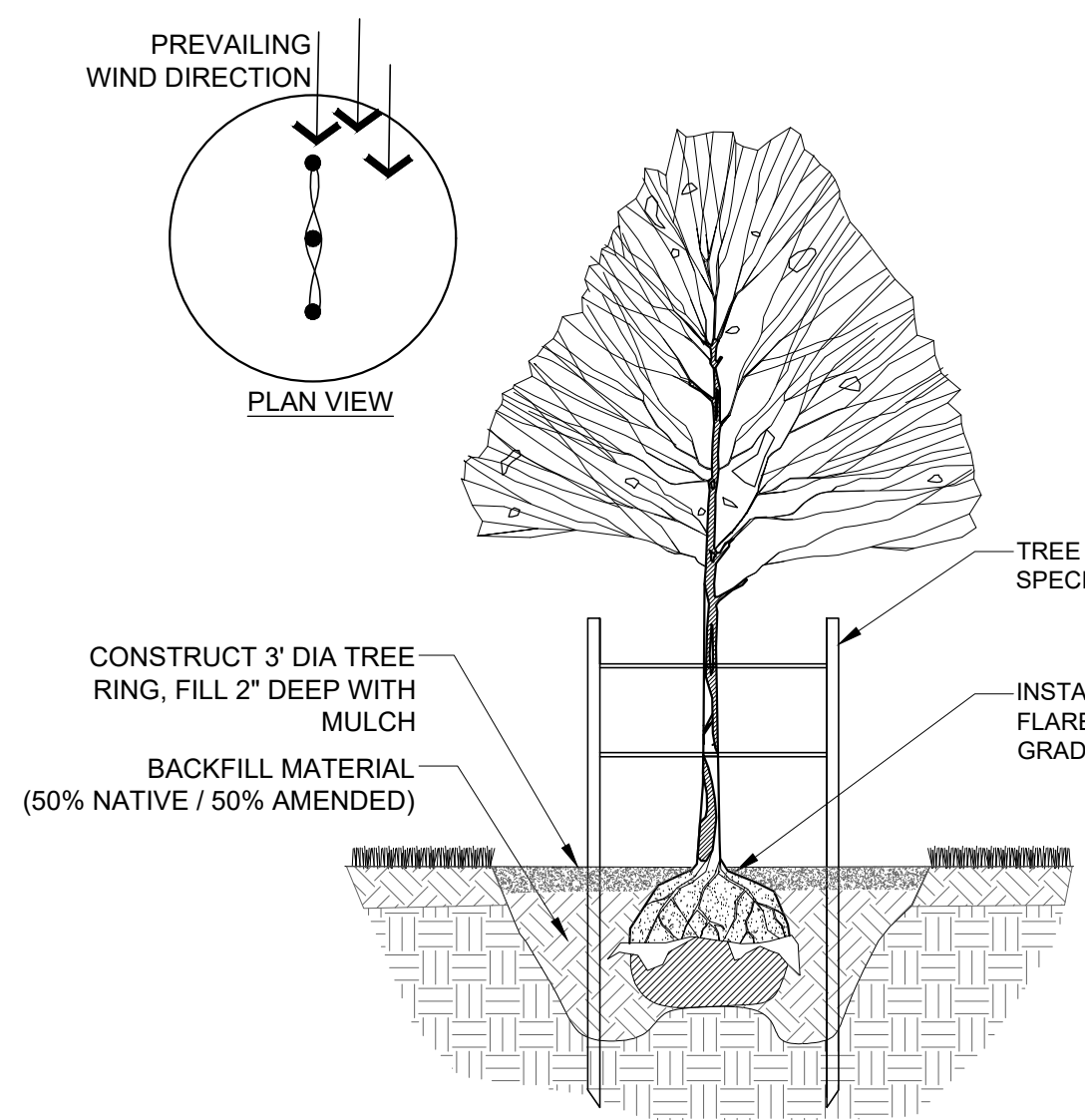




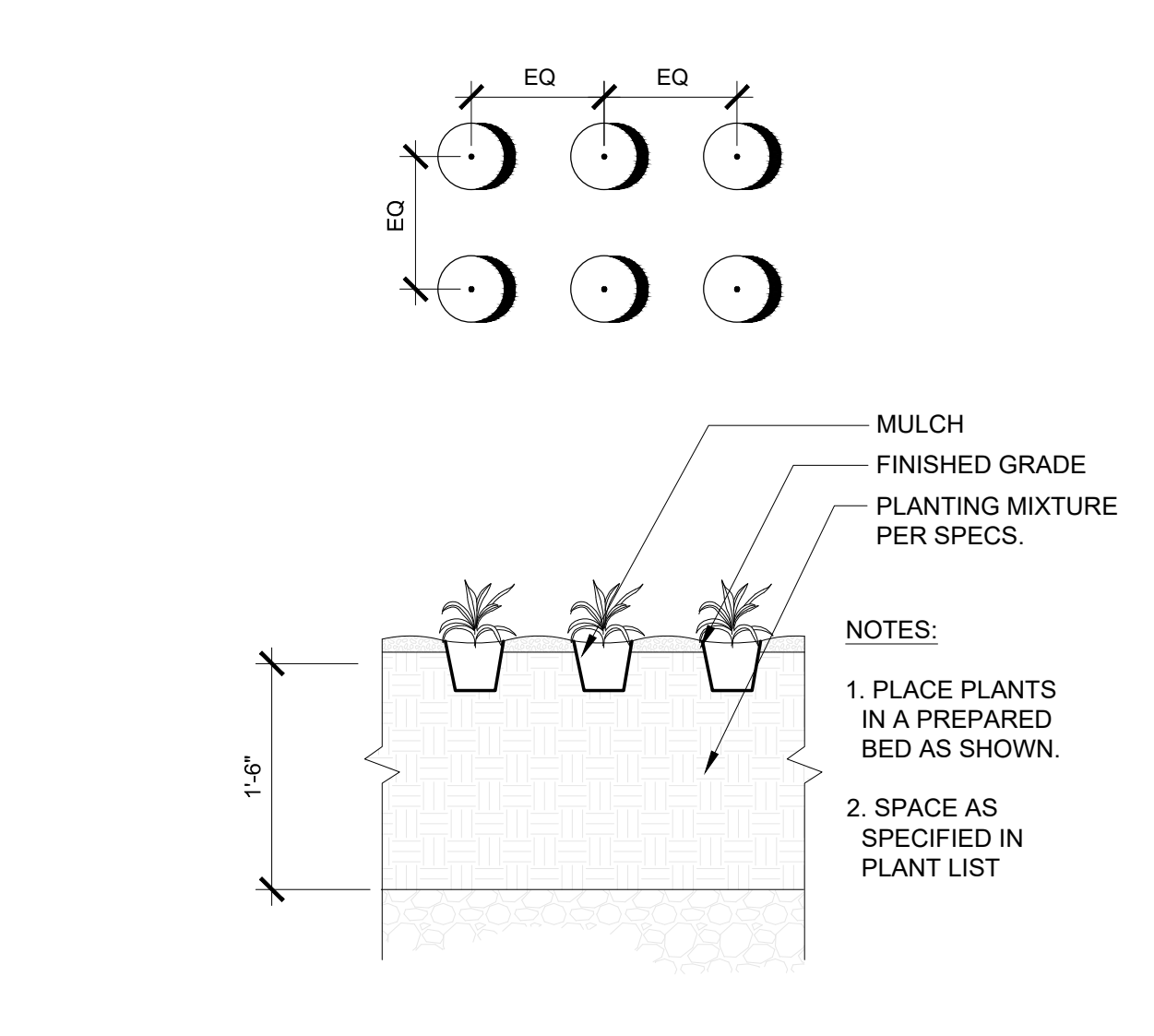
**C3** TREE PROTECTION ZONE FENCE  
 1/4" = 1'-0"



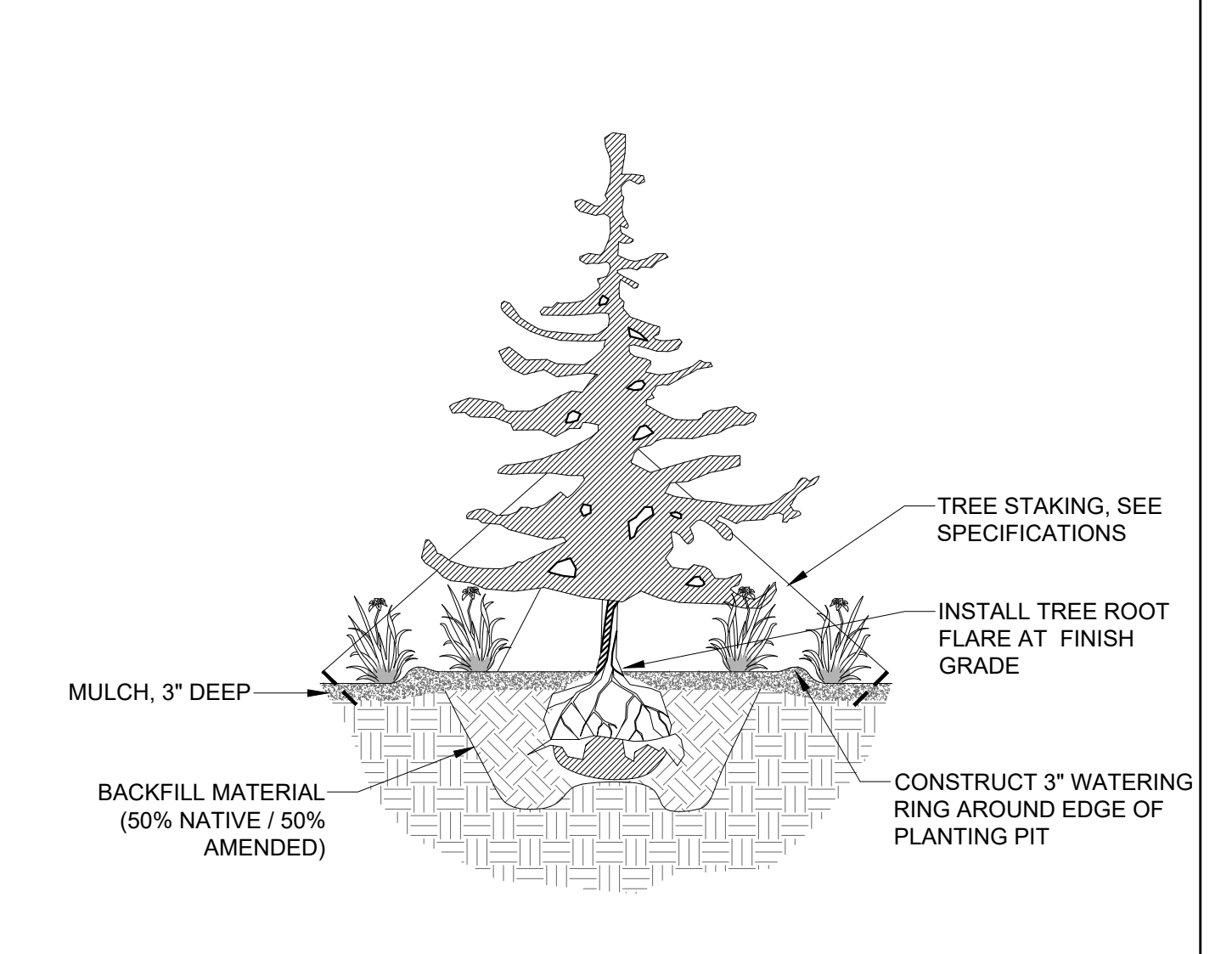
**C6** PLANTING DETAIL, TYPICAL  
 1/2" = 1'-0"



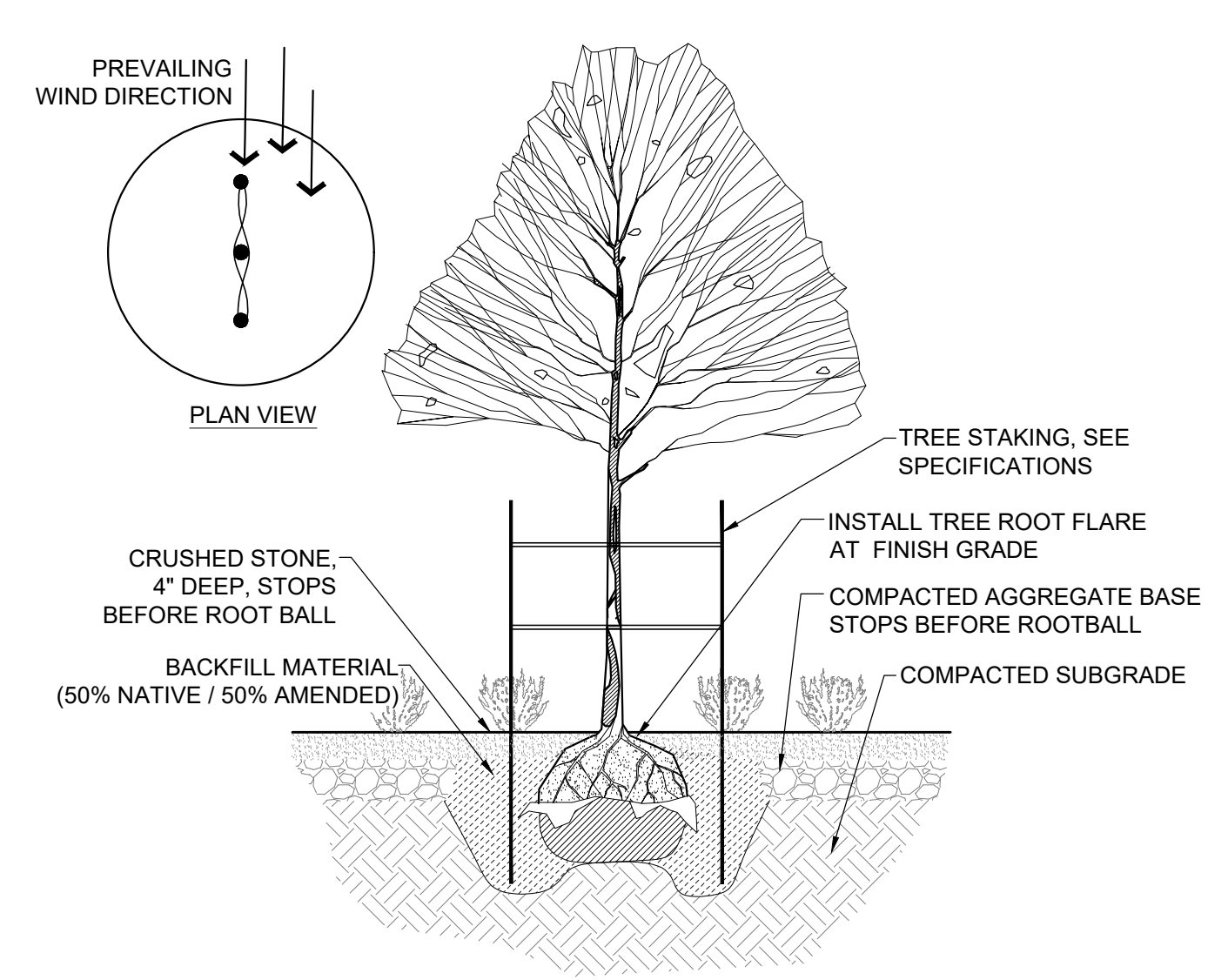
**B3** DECIDUOUS TREE IN LAWN  
 1/16" = 1'-0"



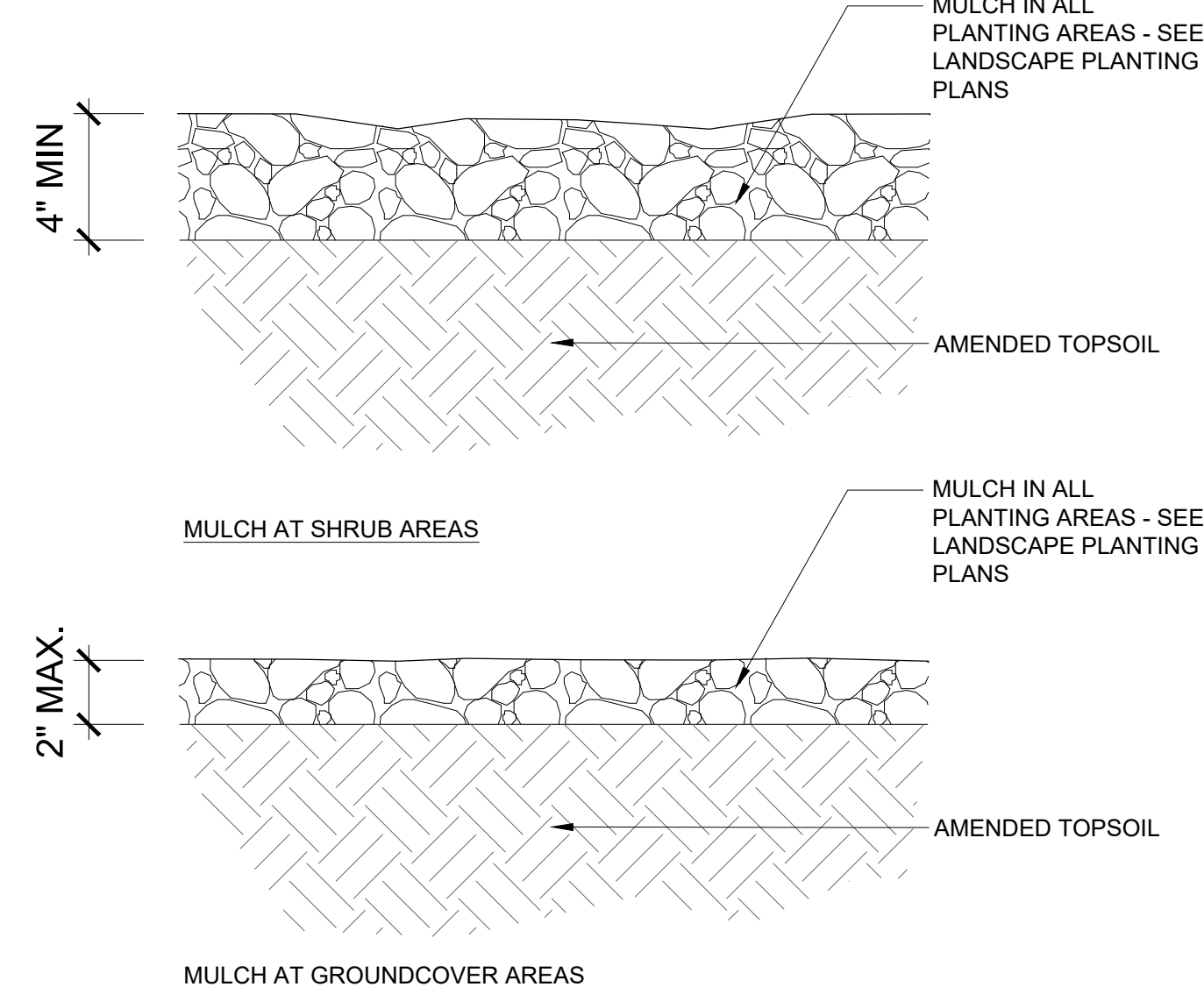
**B5** GROUND COVER SPACING  
 3/4" = 1'-0"



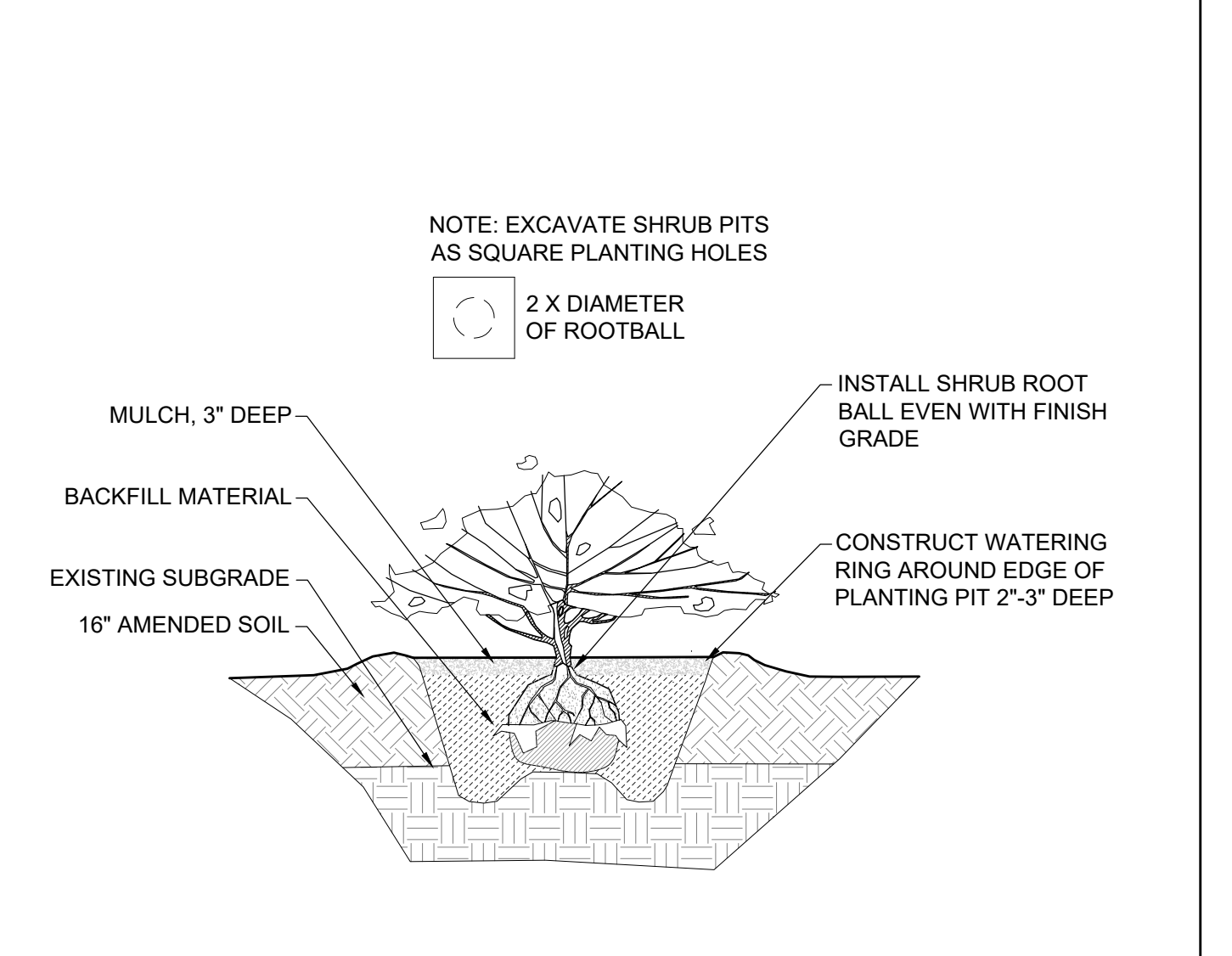
**B6** CONIFEROUS TREE  
 1/2" = 1'-0"



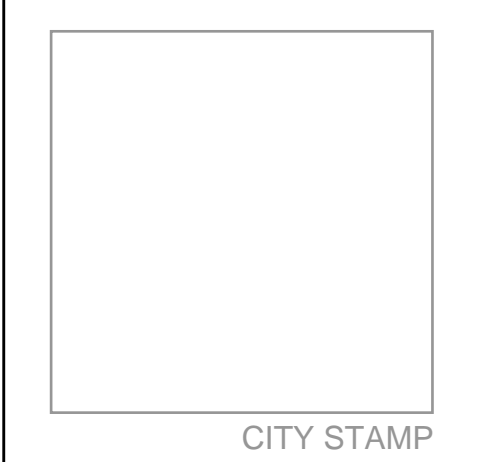
**A3** TREE PLANTING IN PLANTING AREAS  
 1/2" = 1'-0"



**A5** MULCH  
 1 1/2" = 1'-0"



**A6** SHRUB PLANTING DETAIL, TYP.  
 1/2" = 1'-0"

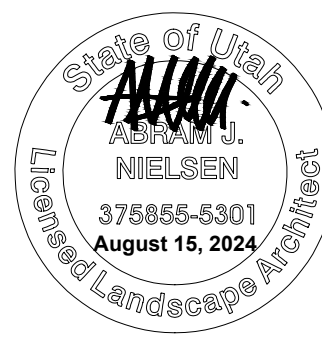


**LOGAN HIGH SCHOOL SEMINARY REBUILD**  
 110 W 100 S LOGAN, UT 84321 - 5022453  
 CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS  
 100% CONSTRUCTION DOCUMENTS - 09.05.24



DATE	REVISION

PROJECT NUMBER 24003  
**PLANTING DETAILS**



DATE REVISION

PROJECT NUMBER 24003

**LANDSCAPE IRRIGATION PLAN**

LA701

**REFERENCE NOTES**

- NOTES:**
- CONTRACTOR SHALL VERIFY STATIC PRESSURE AT POINT OF CONNECTION AND OPERATING PRESSURE AT EACH HEAD AS INDICATED. INSUFFICIENT PRESSURE CONCERNS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY.
  - MAKE THE MAINLINE CONNECTION TO THE EXISTING METER OR WATER SERVICE LINE AS REQUIRED BY LOCAL MUNICIPALITY CODES AND ORDINANCES.
  - IRRIGATION CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PERMANENT POWER TO THE CONTROLLERS WITH OWNER AND ELECTRICAL CONTRACTOR.
  - PROVIDE AND INSTALL ALL THE MANUFACTURER'S RECOMMENDED SURGE AND LIGHTNING PROTECTION EQUIPMENT ON ALL CONTROLLERS.
  - NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF IRRIGATION LAYOUT SHOWS ANY DISCREPANCY BETWEEN DESIGNED IRRIGATION SYSTEM AND ACTUAL SITE CONDITIONS. FOR ANY DECISIONS WHICH ARE DEEMED NECESSARY FOR ADJUSTMENT OF DESIGNED SYSTEM, NO MAJOR CHANGES OR SUBSTITUTIONS SHALL BE MADE TO THE IRRIGATION SYSTEM WITHOUT WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
  - THE CONTRACTOR SHALL INSTALL AND ADJUST IRRIGATION HEADS AS NECESSARY TO ENSURE FULL AND COMPLETE SPRINKLER COVERAGE FOR ALL PLANTED AREAS. FLUSH AND ADJUST HEADS TO ENSURE MINIMAL OVERTHROW ONTO WALLS, STREETS, OR OTHER HARD SURFACES.
  - THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES BY A LICENSED LANDSCAPE CONTRACTOR AND EXPERIENCED WORKERS, AND ALL PERMITS SHALL BE OBTAINED AND FEES PAID BY THE CONTRACTOR.
  - NO CHANGES IN MATERIALS SHALL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT.
  - THE AUTOMATIC CONTROLLER SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. USE GALVANIZED SLEEVE FOR ELECTRICAL WIRING FROM THE CONTROLLER TO THE 18" BELOW GRADE. THE POWER LINE SHALL BE ENCLOSED AS PER CODE.

**IRRIGATION SCHEDULE**

SYMBOL	DESCRIPTION
(I-101)	IRRIGATION POINT OF CONNECTION - SYSTEM HAS BEEN DESIGNED FOR A REQUIRED MINIMUM STATIC PRESSURE OF 85 PSI AND A MAXIMUM SAFE FLOW OF 20 GPM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE OPERATING PRESSURE IN THE FIELD AT THE POINT OF CONNECTION BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF DEFICIENT EQUIPMENT, HIGH/LOW PRESSURE, OR LOW FLOW CONDITIONS ARE ENCOUNTERED. IF THE CONTRACTOR FAILS TO NOTIFY THE OWNER'S REPRESENTATIVE OF SUCH DISCREPANCIES, THEN THE CONTRACTOR ASSUMES ALL LIABILITY AND COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS TO ACCOMMODATE THE ACTUAL PRESSURE.
(I-102)	IRRIGATION CONTROLLER - FINAL LOCATION TO BE DETERMINED ON SITE WITH CONTRACTOR AND OWNER'S REPRESENTATIVE. COORDINATE 120V ELECTRICAL CONNECTION WITH ELECTRICAL PRIOR TO INSTALLATION. PROVIDE ETHERNET CONNECTION.
(I-103)	IRRIGATION SLEEVE - MINIMUM 2" SIZE DIAMETER; EXTEND 18" MIN BEYOND HARDSCAPE.
(I-104)	IRRIGATION EQUIPMENT SHOWN IN HARDSCAPE FOR GRAPHIC CLARITY - ALL IRRIGATION EQUIPMENT TO BE INSTALLED IN LANDSCAPE AREAS.
(I-105)	DRIP AREA BREAK LINE
(I-106)	IRRIGATION DRIPLINE - SHOWN FOR GRAPHIC REPRESENTATION ONLY. CONTRACTOR TO LAYOUT DRIP TUBING ON SITE IN AN ORIENTATION BEST FITTING INSTALLATION AREA.

**CRITICAL ANALYSIS**

Generated: 2024-07-09 15:52

P.O.C. NUMBER: 01  
 Water Source Information: Connect to building supply line, downstream of building meter.

FLOW AVAILABLE  
 Custom Max Flow: 20 GPM  
 Flow Available: 20 GPM

PRESSURE AVAILABLE  
 Static Pressure at POC: 80 PSI  
 Pressure Available: UNKNOWN

DESIGN ANALYSIS  
 Maximum Multi-valve Flow: 20 GPM  
 Flow Available at POC: 20 GPM  
 Residual Flow Available: 0 GPM

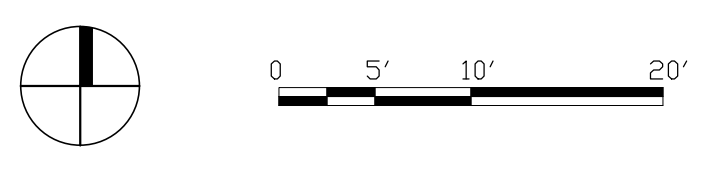
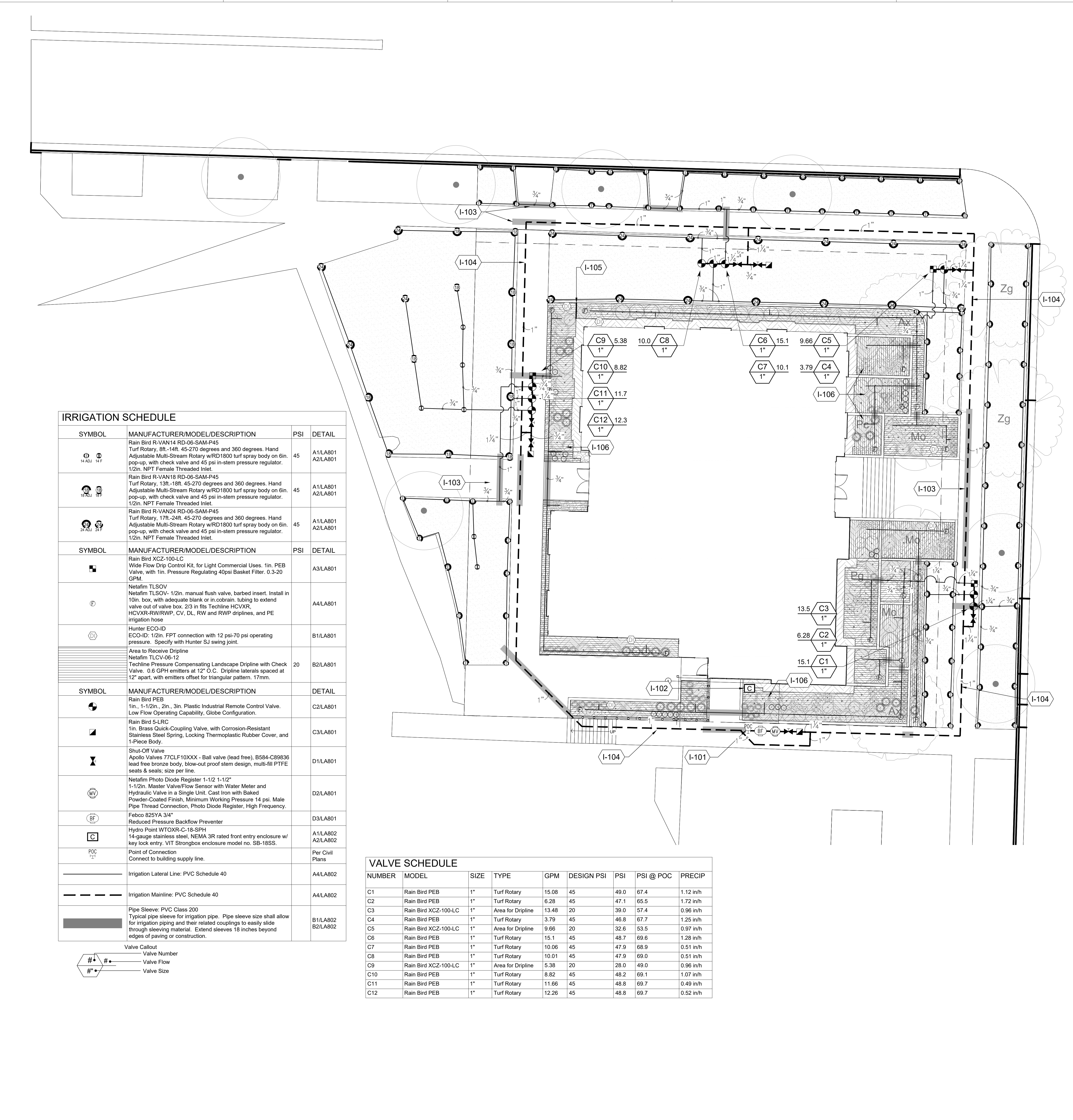
Critical Station: C11  
 Design Pressure: 45 PSI  
 Friction Loss: 1.63 PSI  
 Fittings Loss: 0.16 PSI  
 Elevation Loss: 0 PSI  
 Loss through Valve: 1.98 PSI  
 Pressure Req. at Critical Station: 48.8 PSI  
 Loss for Fittings: 0.74 PSI  
 Loss for Main Line: 7.4 PSI  
 Loss for POC to Valve Elevation: 0 PSI  
 Loss for Backflow: 12.2 PSI  
 Loss for Master Valve: 2.9 PSI  
 Critical Station Pressure at POC: 72.0 PSI  
 Pressure Available: 80 PSI  
 Residual Pressure Available: 7.98 PSI

**VALVE SCHEDULE**

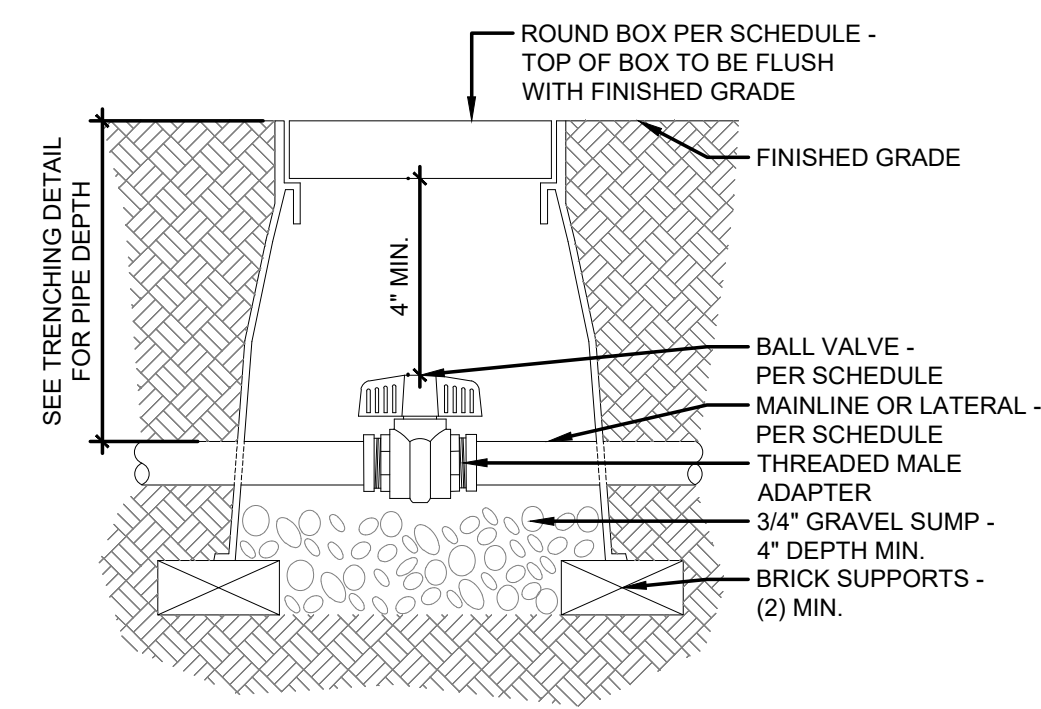
NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	PSI	PSI @ POC	PRECIP
C1	Rain Bird PEB	1"	Turf Rotary	15.08	45	49.0	67.4	1.12 in/h
C2	Rain Bird PEB	1"	Turf Rotary	6.28	45	47.1	65.5	1.72 in/h
C3	Rain Bird XCZ-100-LC	1"	Area for Dripline	13.48	20	39.0	57.4	0.96 in/h
C4	Rain Bird PEB	1"	Turf Rotary	3.79	45	46.8	67.7	1.25 in/h
C5	Rain Bird XCZ-100-LC	1"	Area for Dripline	9.66	20	32.6	53.5	0.97 in/h
C6	Rain Bird PEB	1"	Turf Rotary	15.1	45	48.7	69.6	1.28 in/h
C7	Rain Bird PEB	1"	Turf Rotary	10.06	45	47.9	68.9	0.51 in/h
C8	Rain Bird PEB	1"	Turf Rotary	10.01	45	47.9	69.0	0.51 in/h
C9	Rain Bird XCZ-100-LC	1"	Area for Dripline	5.38	20	28.0	49.0	0.96 in/h
C10	Rain Bird PEB	1"	Turf Rotary	8.82	45	48.2	69.1	1.07 in/h
C11	Rain Bird PEB	1"	Turf Rotary	11.66	45	48.8	69.7	0.49 in/h
C12	Rain Bird PEB	1"	Turf Rotary	12.26	45	48.8	69.7	0.52 in/h

**IRRIGATION SCHEDULE**

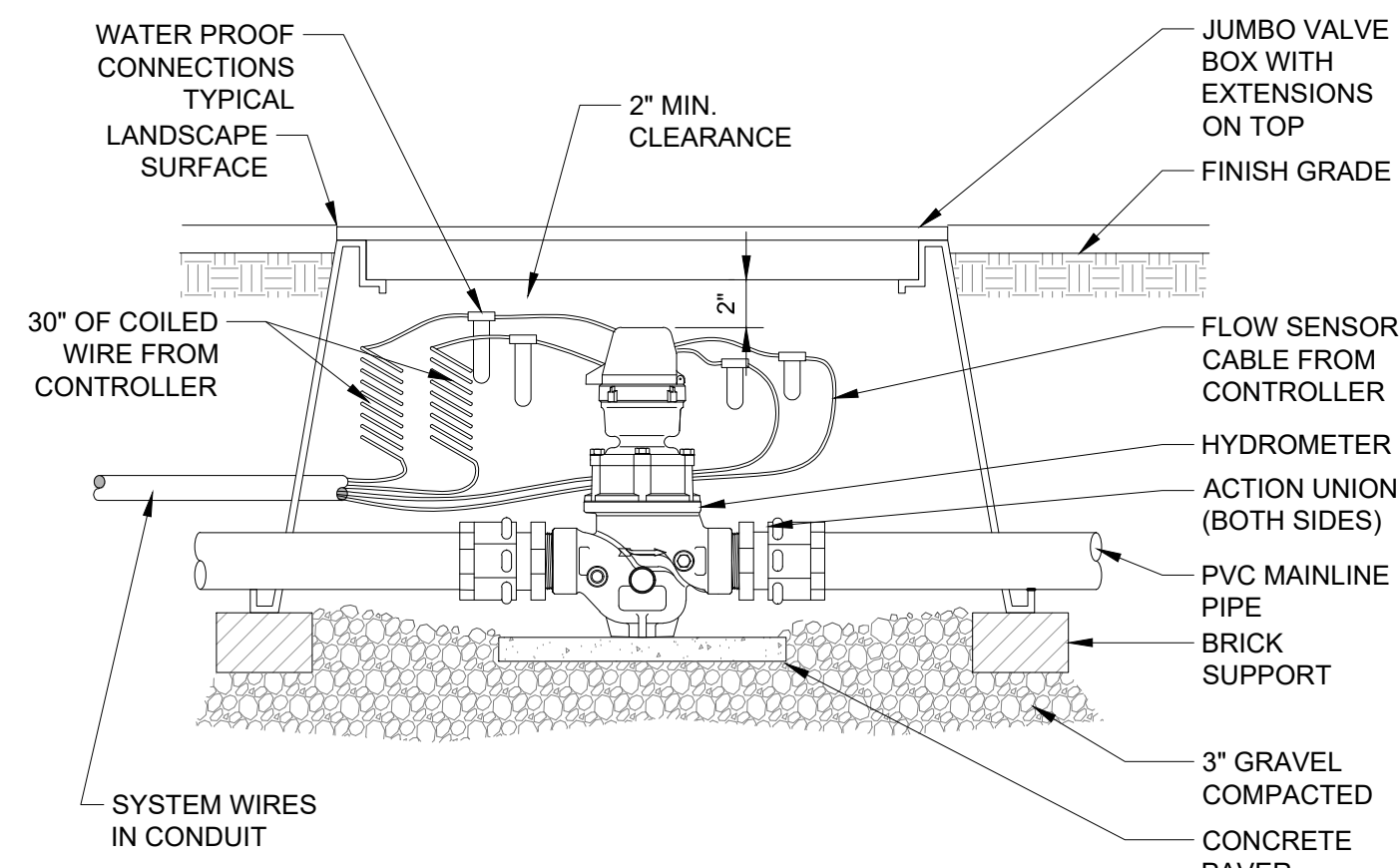
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
(14.02) (14.1)	Rain Bird R-VAN14 RD-06-SAM-P45 Turf Rotary, 8ft.-14ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	45	A1/LA801 A2/LA801
(18.02) (18.1)	Rain Bird R-VAN18 RD-06-SAM-P45 Turf Rotary, 13ft.-18ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	45	A1/LA801 A2/LA801
(24.02) (24.1)	Rain Bird R-VAN24 RD-06-SAM-P45 Turf Rotary, 17ft.-24ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	45	A1/LA801 A2/LA801
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
(1)	Rain Bird XCZ-100-LC Wide Flow Drip Control Kit, for Light Commercial Uses. 1in. PEB Valve, with 1in. Pressure Regulating 40psi Basket Filter. 0.3-20 GPM.	A3/LA801	
(T)	Netafim TLSOV Netafim TLSOV- 1/2in. manual flush valve, barbed insert. Install in 10in. box, with adequate blank or in-cobrain. tubing to extend valve out of valve box. 2/3 in fits Techline HCVXR, HDVXR, RW/RWP, CV, DL, RW and RWP driplines, and PE irrigation hose.	A4/LA801	
(H)	Hunter ECO-ID ECO-ID: 1/2in. FPT connection with 12 psi-70 psi operating pressure. Specify with Hunter SJ swing joint.	B1/LA801	
(A)	Area to Receive Dripline Netafim TLCV-06-12 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.6 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. 17mm.	B2/LA801	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL	
(R)	Rain Bird PEB 1in., 1-1/2in., 2in., 3in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration.	C2/LA801	
(Q)	Rain Bird SLRC 1in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 1-Piece Body.	C3/LA801	
(S)	Shut-Off Valve Apollo Valves 770CLF10XXX - Ball valve (lead free). B584-C29236 lead free bronze body, blow-out proof stem design, multi-fill PTFE seats & seals; size per line.	D1/LA801	
(M)	Netafim Photo Diode Register 1-1/2 1-1/2" 1-1/2in. Master Valve/Flow Sensor with Water Meter and Hydraulic Valve in a Single Unit. Cast Iron with Baked Powder-Coated Finish. Minimum Working Pressure 14 psi. Male Pipe Thread Connection, Photo Diode Register, High Frequency.	D2/LA801	
(B)	Febco 825YA 3/4" Reduced Pressure Backflow Preventer	D3/LA801	
(C)	Hydro Point WTOXR-C-18-SPH 14-gauge stainless steel, NEMA 3R rated front entry enclosure w/ key lock entry. VIT Strongbox enclosure model no. SB-18SS.	A1/LA802 A2/LA802	
(POC)	Point of Connection Connect to building supply line.	Per Civil Plans	
(L)	Irrigation Lateral Line: PVC Schedule 40	A4/LA802	
(M)	Irrigation Mainline: PVC Schedule 40	A4/LA802	
(P)	Pipe Sleeve: PVC Class 200 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	B1/LA802 B2/LA802	



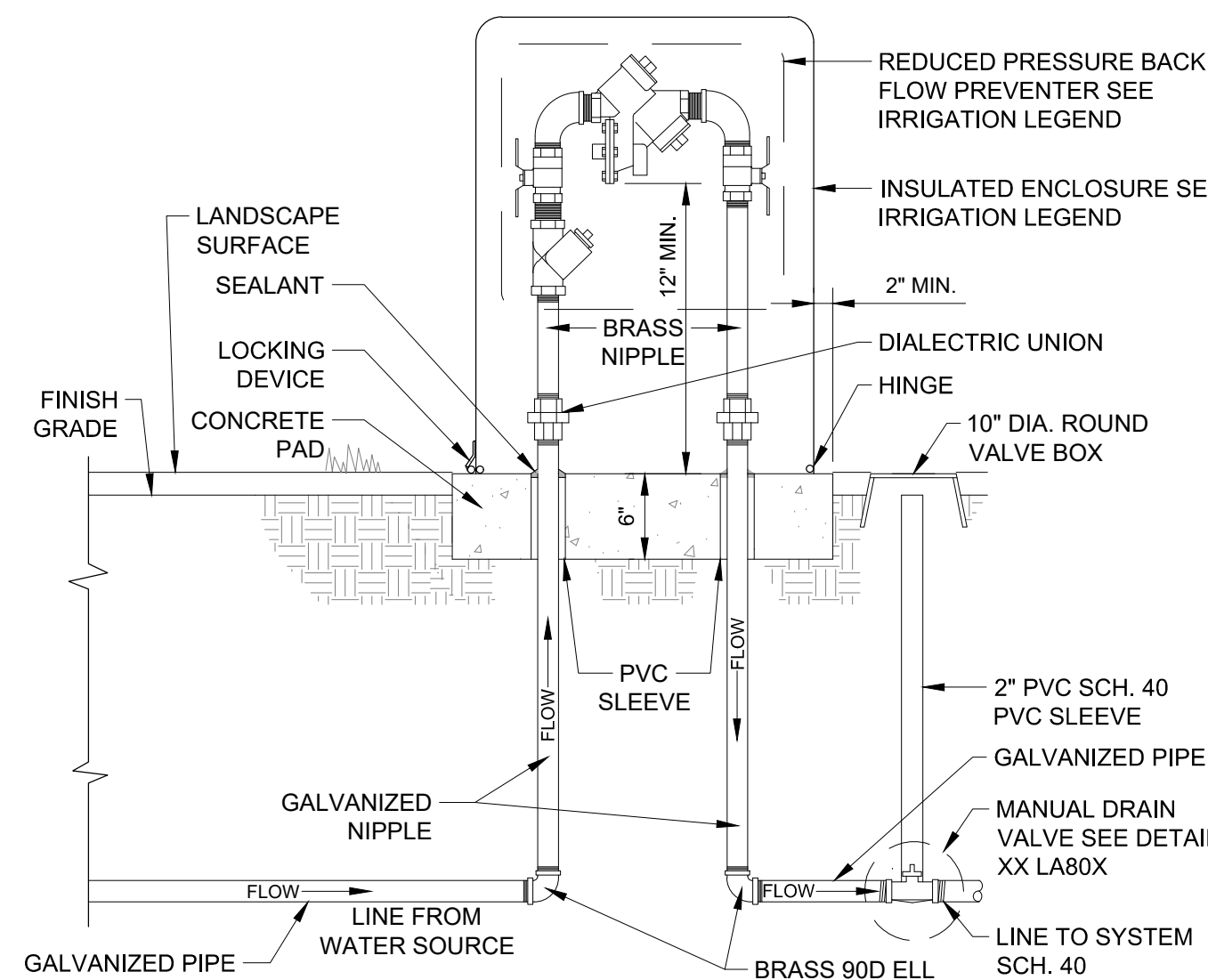
- NOTES:**
1. COMPACT SOIL AROUND BALL VALVE ASSEMBLY TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.
  2. DO NOT REST VALVE BOX OR ACCESS SLEEVE ON MAINLINE OR LATERAL LINE.
  3. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.



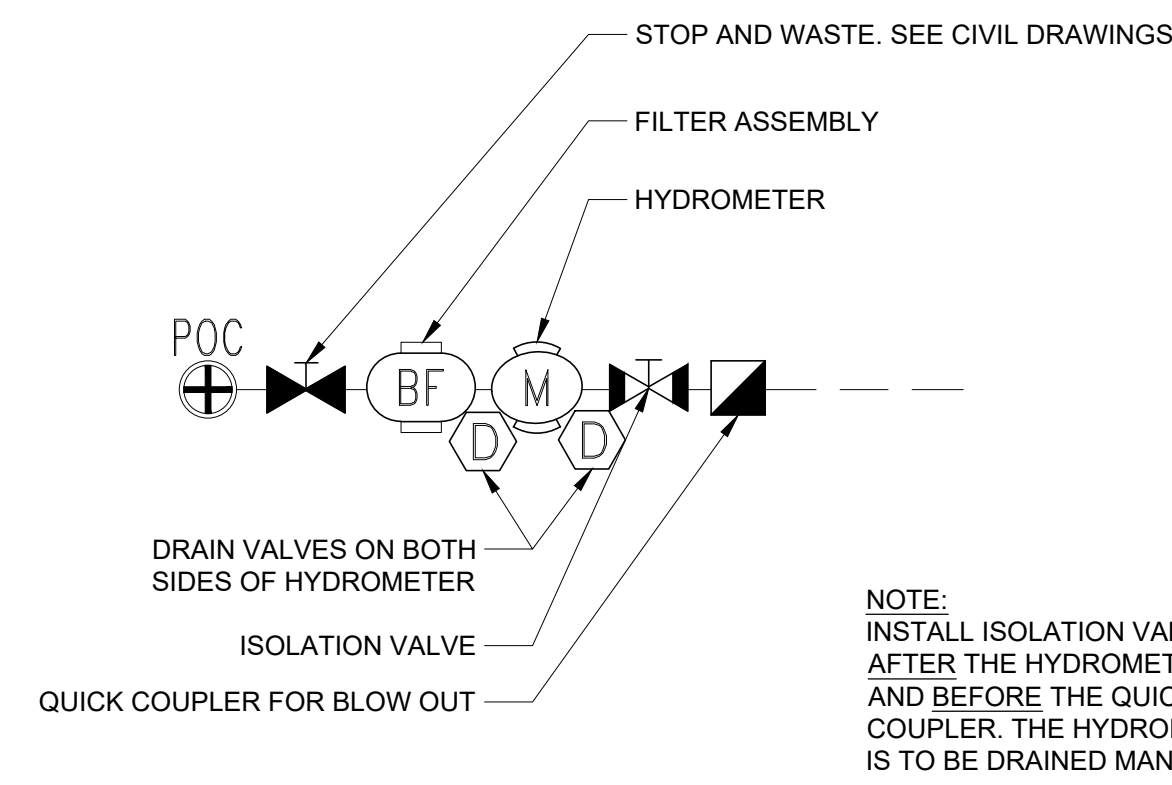
**D1 BALL VALVE - 2-1/2" OR SMALLER**  
NOT TO SCALE



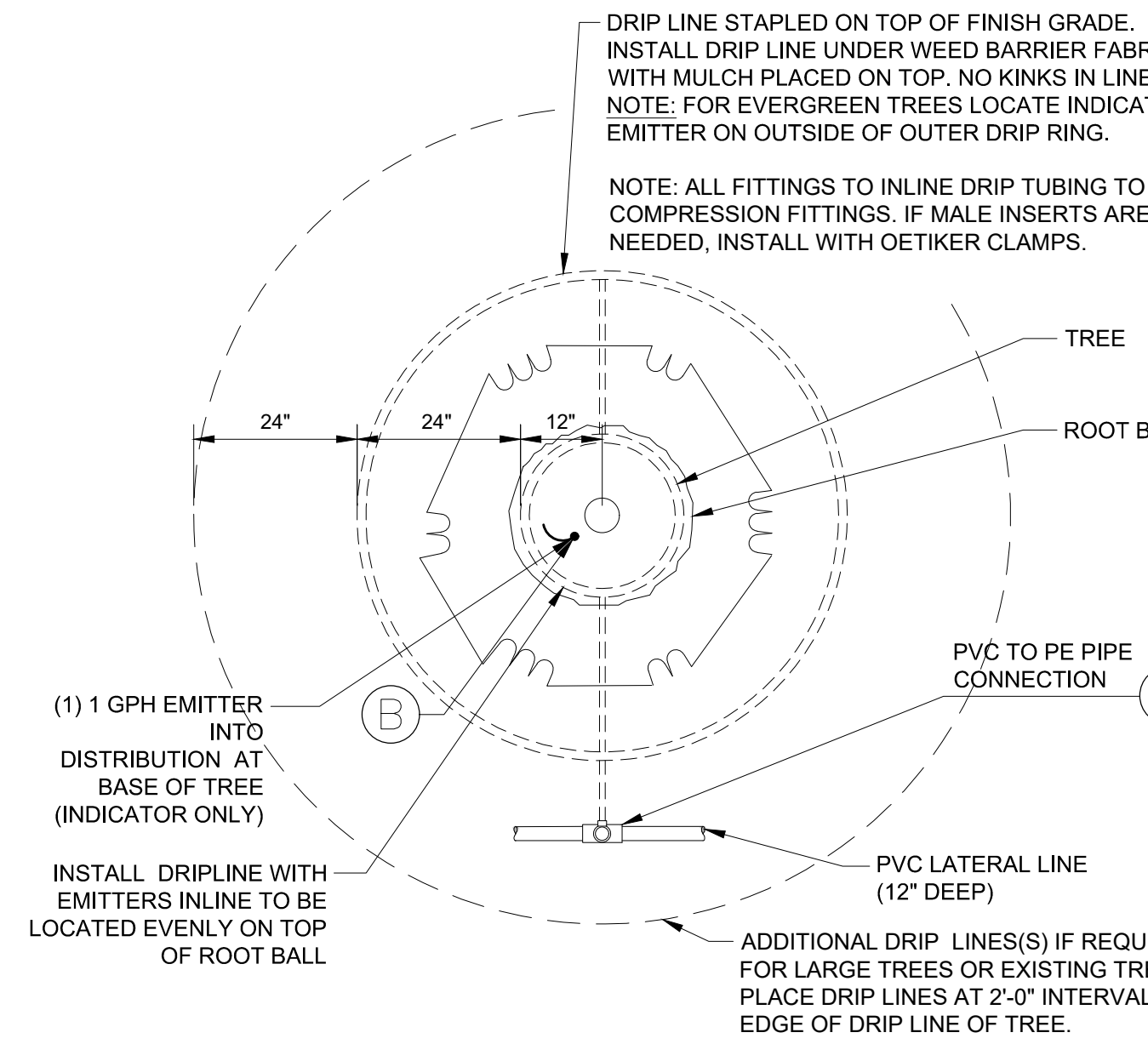
**D2 HYDROMETER**  
1 1/2" = 1'-0"



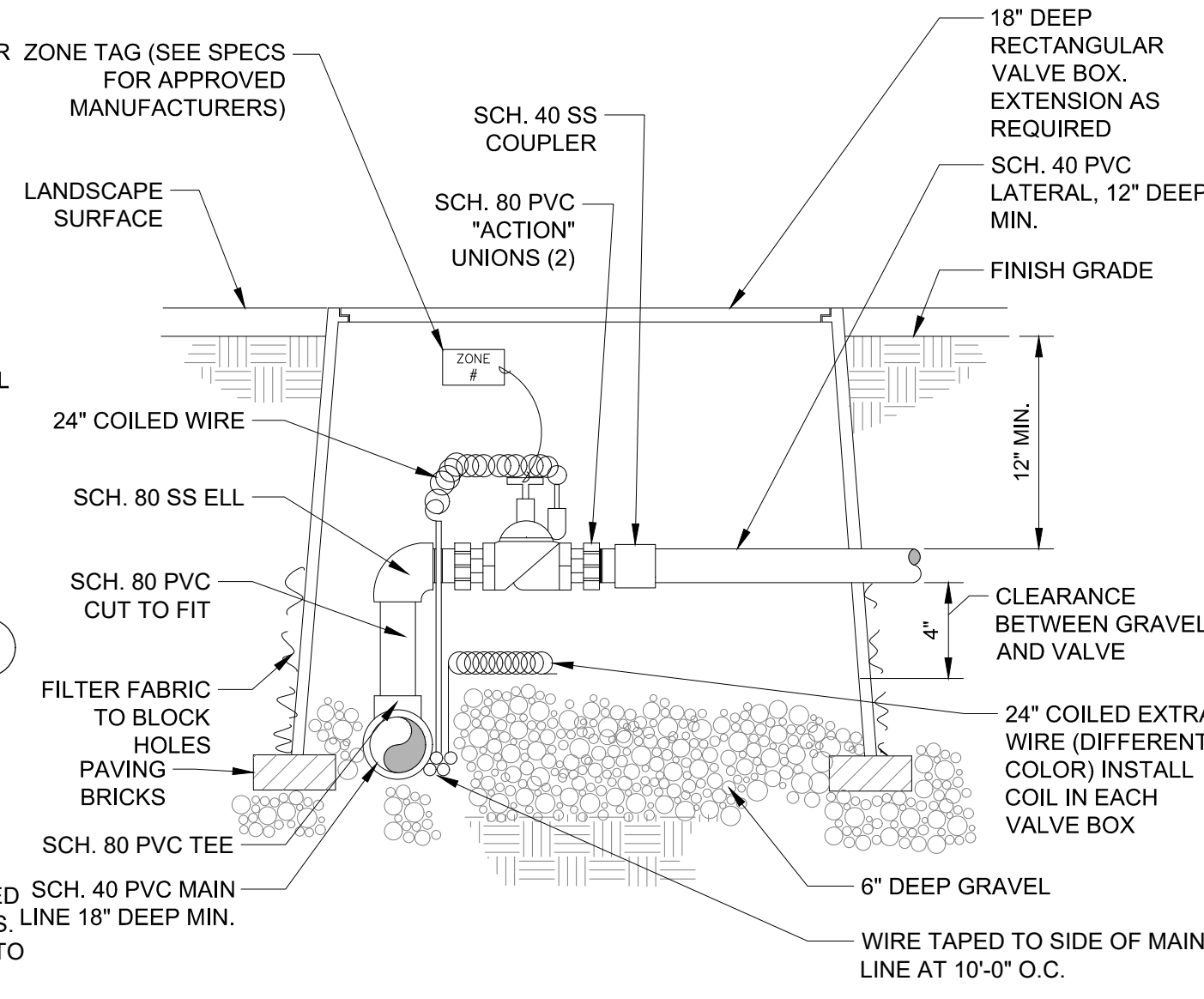
**D3 REDUCED PRESSURE BACKFLOW PREVENTER**  
1 1/2" = 1'-0"



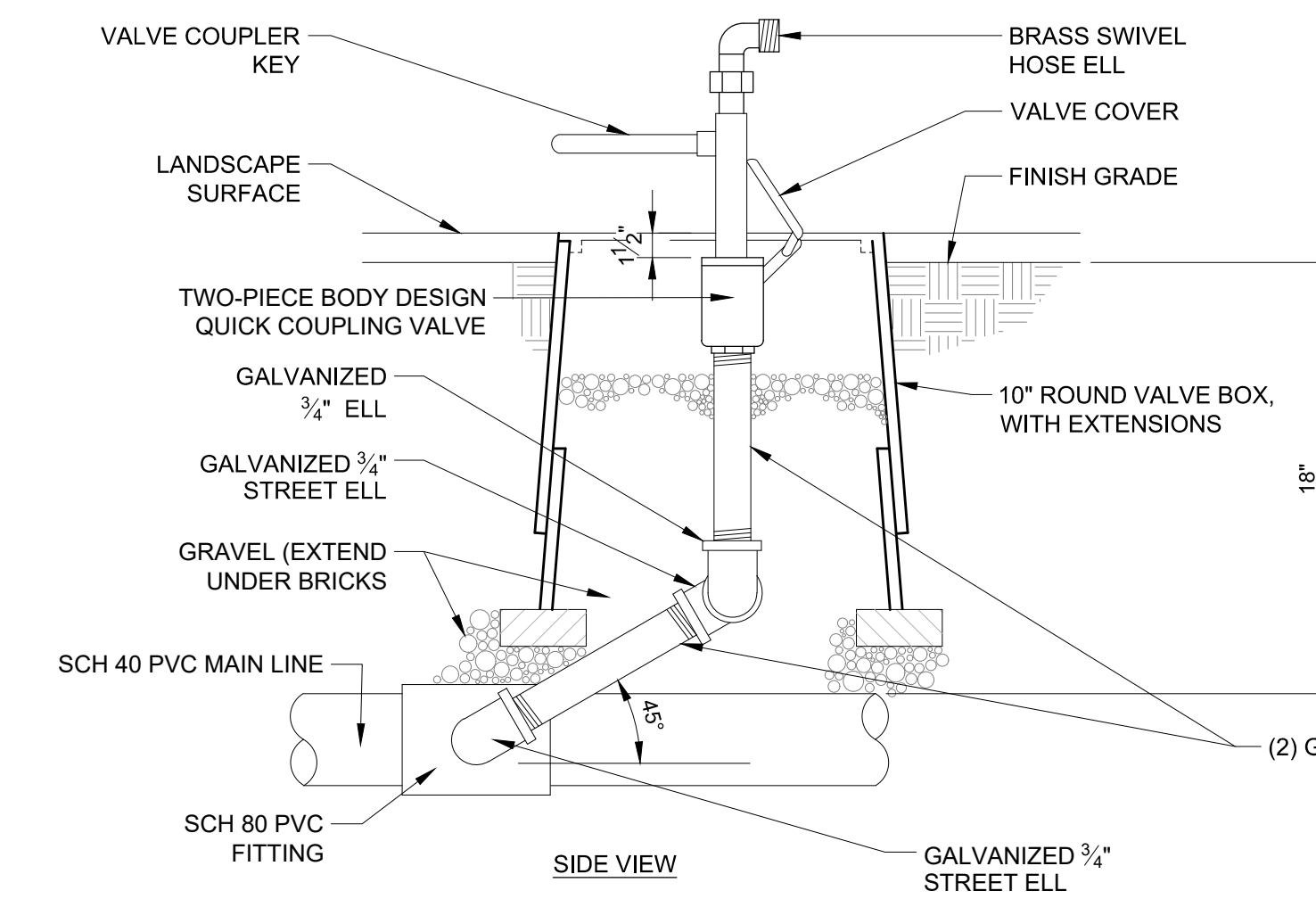
**D4 POC SCHEMATIC LAYOUT W/ BACKFLOW ASSEMBLY**  
3" = 1'-0"



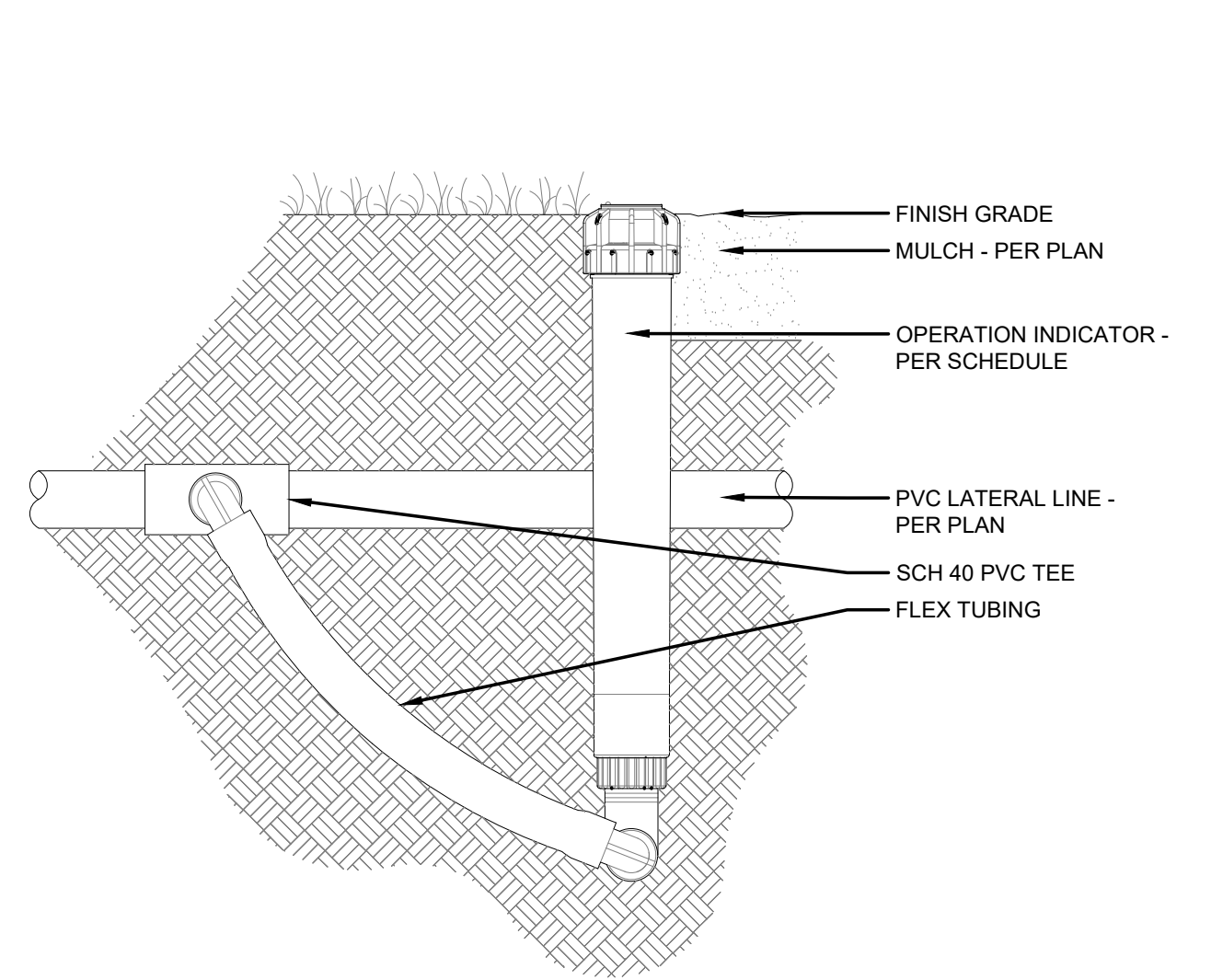
**C1 TREE DRIP - PLAN VIEW (PLANTER AREAS)**  
1/2" = 1'-0"



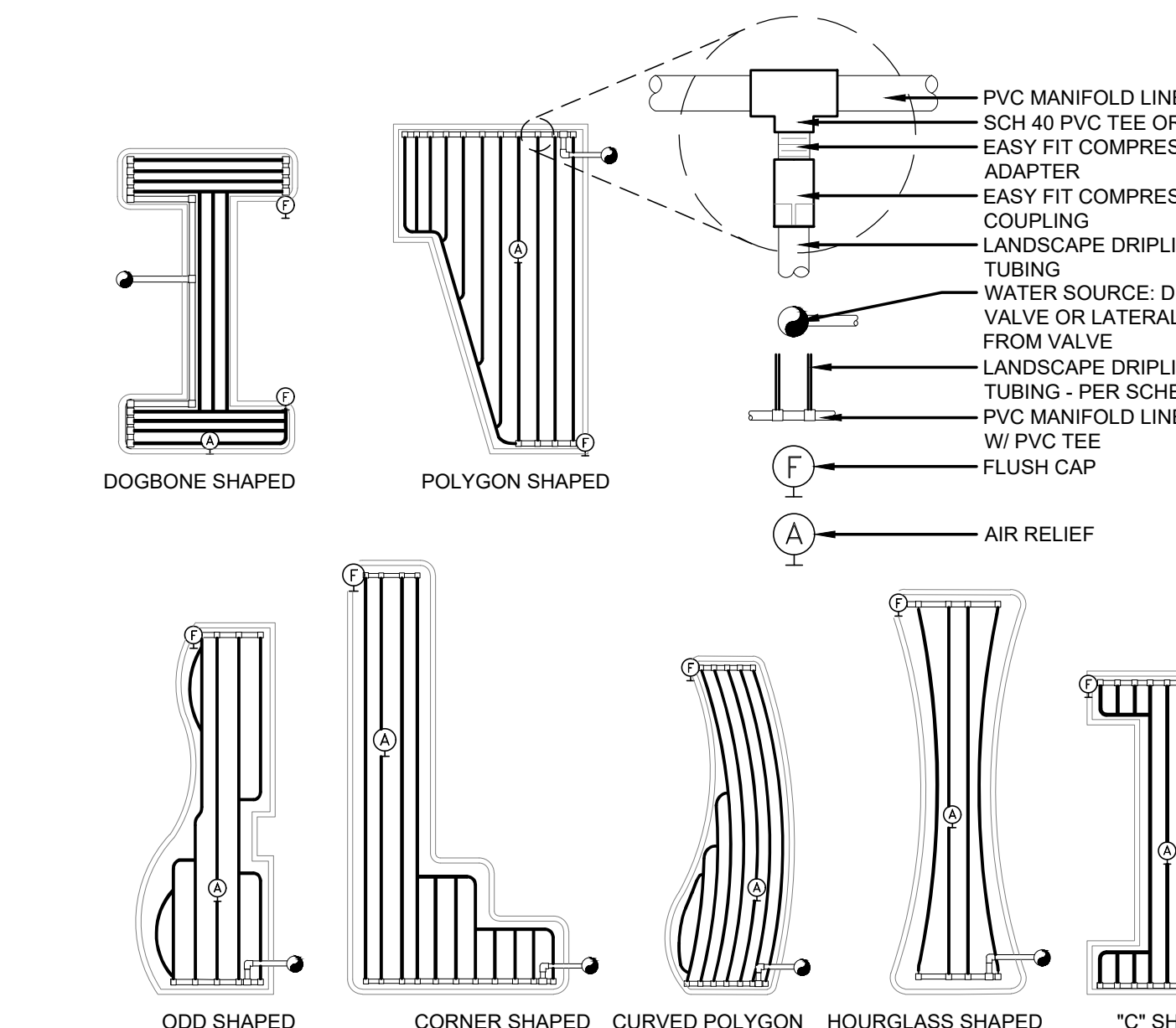
**C2 AUTOMATIC VALVE W/ CONVENTIONAL WIRE SYSTEM**  
1" = 1'-0"



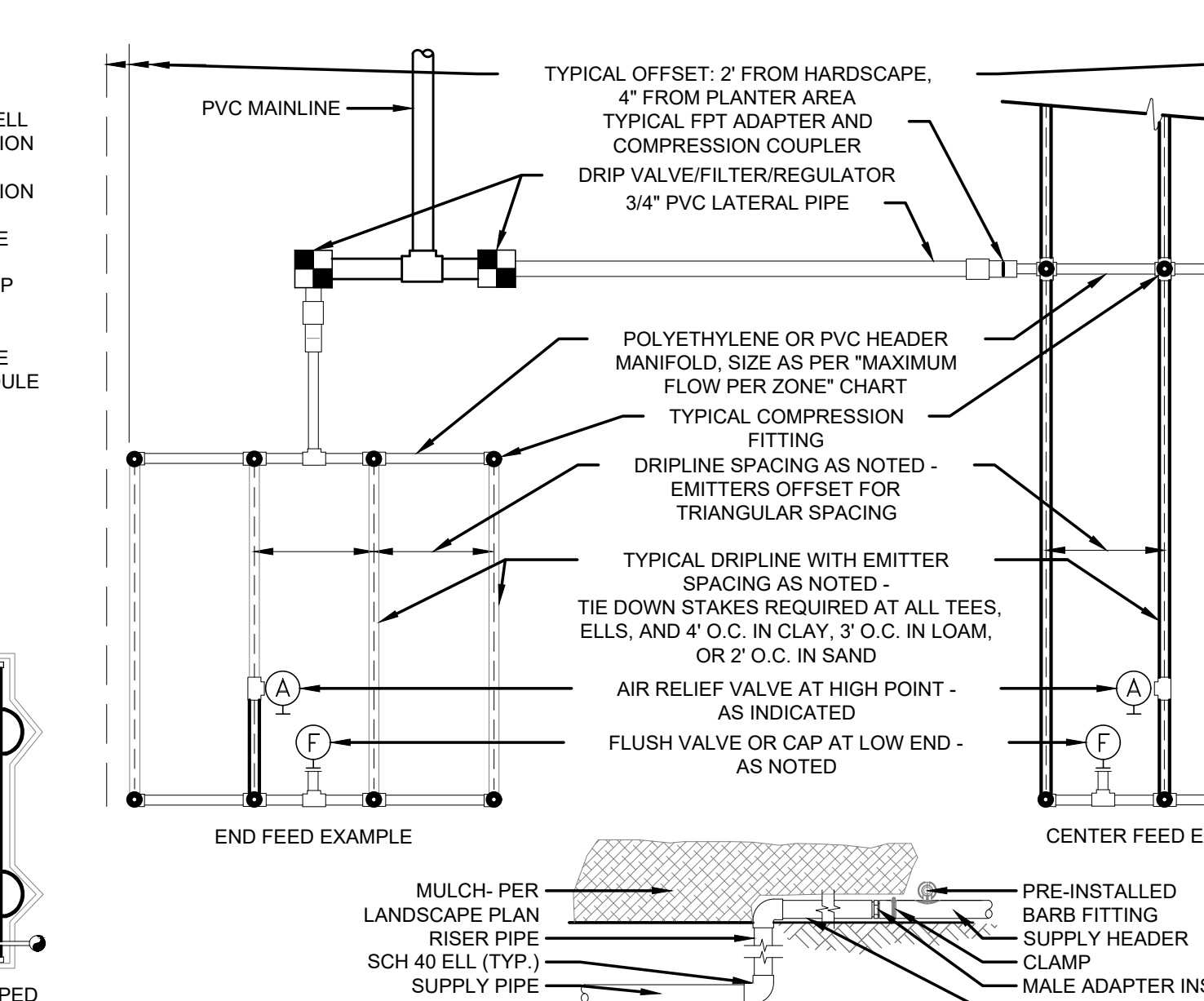
**C3 QUICK COUPLING VALVE**  
1" = 1'-0"



**B1 DRIPLINE OPERATION INDICATOR (HUNTER)**  
NOT TO SCALE  
P-LD-LHS-24



**B2 INLINE ON-SURFACE DRIP**  
NOT TO SCALE



**A3 DRIP VALVE ASSEMBLY - CONVENTIONAL WIRING**  
NTS

**SLOPED CONDITION NOTES:**

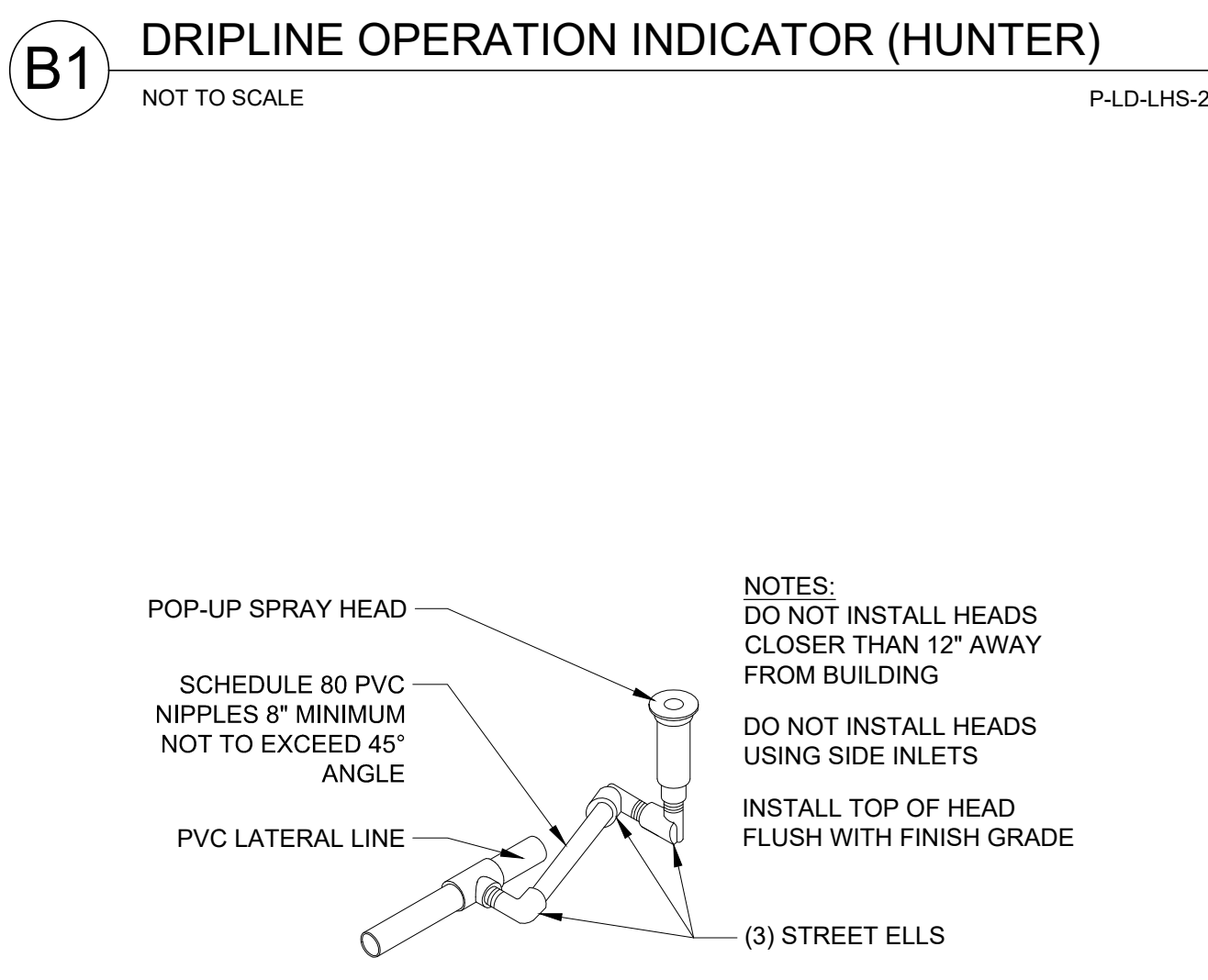
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT THE HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 25% OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 3 ON A SEPARATE VALVE.

GRID PRECIPITATION RATES (IN/HR)				MAXIMUM FLOW PER ZONE	
EMITTER SPACING	LATERAL SPACING	EMITTER FLOW RATE	MAX GPM	PSI LOSS	
12	12	0.6	0.9		SCHEDULE 40 PVC HEADER SIZE
18	18	0.96	1.44		1/2"
24	24	0.69	1.03		3/4"
		0.28	0.41		1"
					1-1/2"
					2"

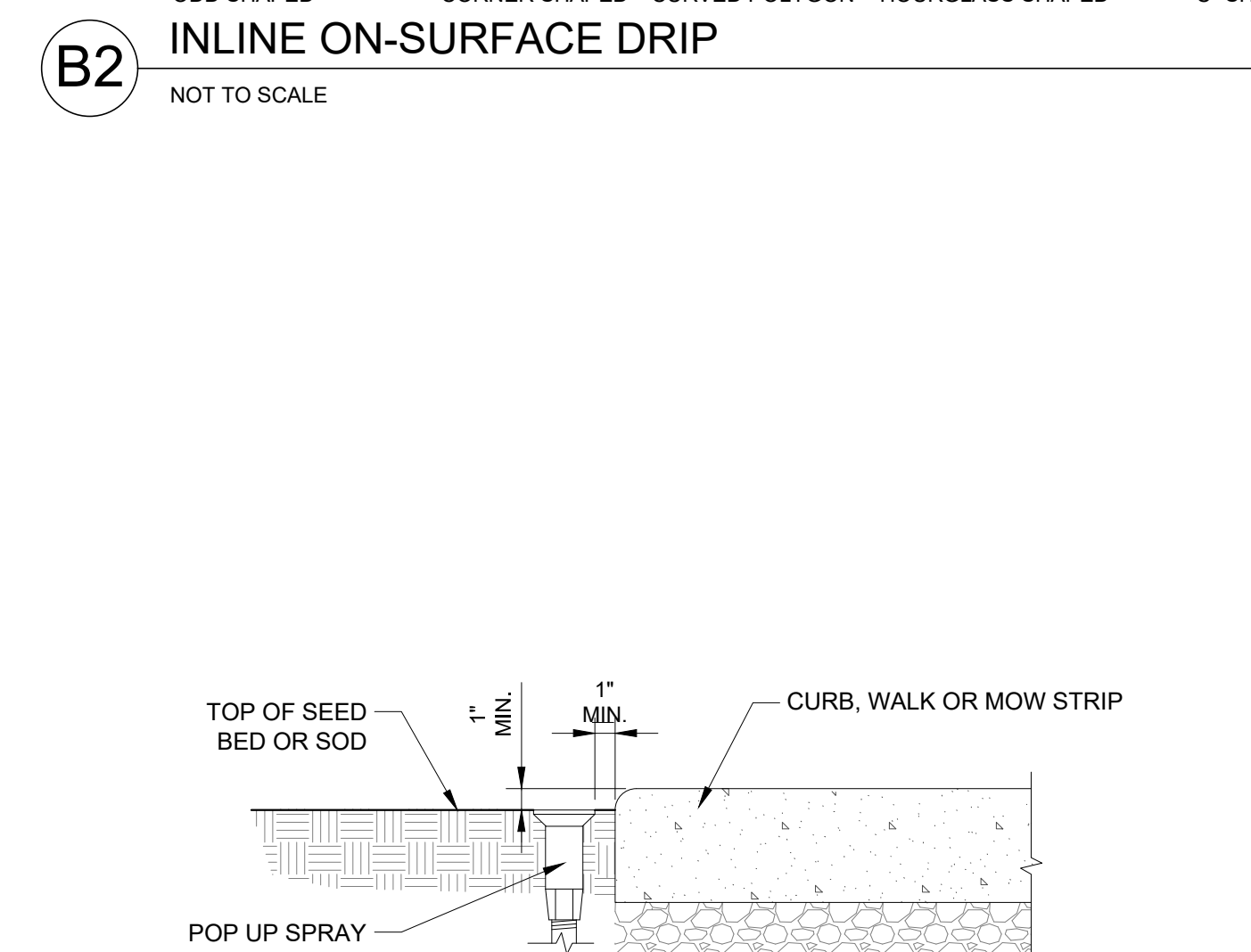
LATERAL FLOW PER 100 FT (GPM)						POLY PIPE HEADER SIZE	
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING	EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM	1-1/2"	31.8 GPM	2.9 PSI	52.4 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM	2"	46.2 GPM	4.8 PSI	78.6 GPM

MAXIMUM LATERAL LENGTH (FEET)					
EMITTER FLOW RATE GPH					
PSI	12" SPACING	18" SPACING	24" SPACING	PSI	12" SPACING
10	125	96	175	135	218
20	249	191	350	171	442
30	307	236	434	333	550
40	350	268	495	380	627
50	125	96	175	135	218
60	125	96	175	135	218

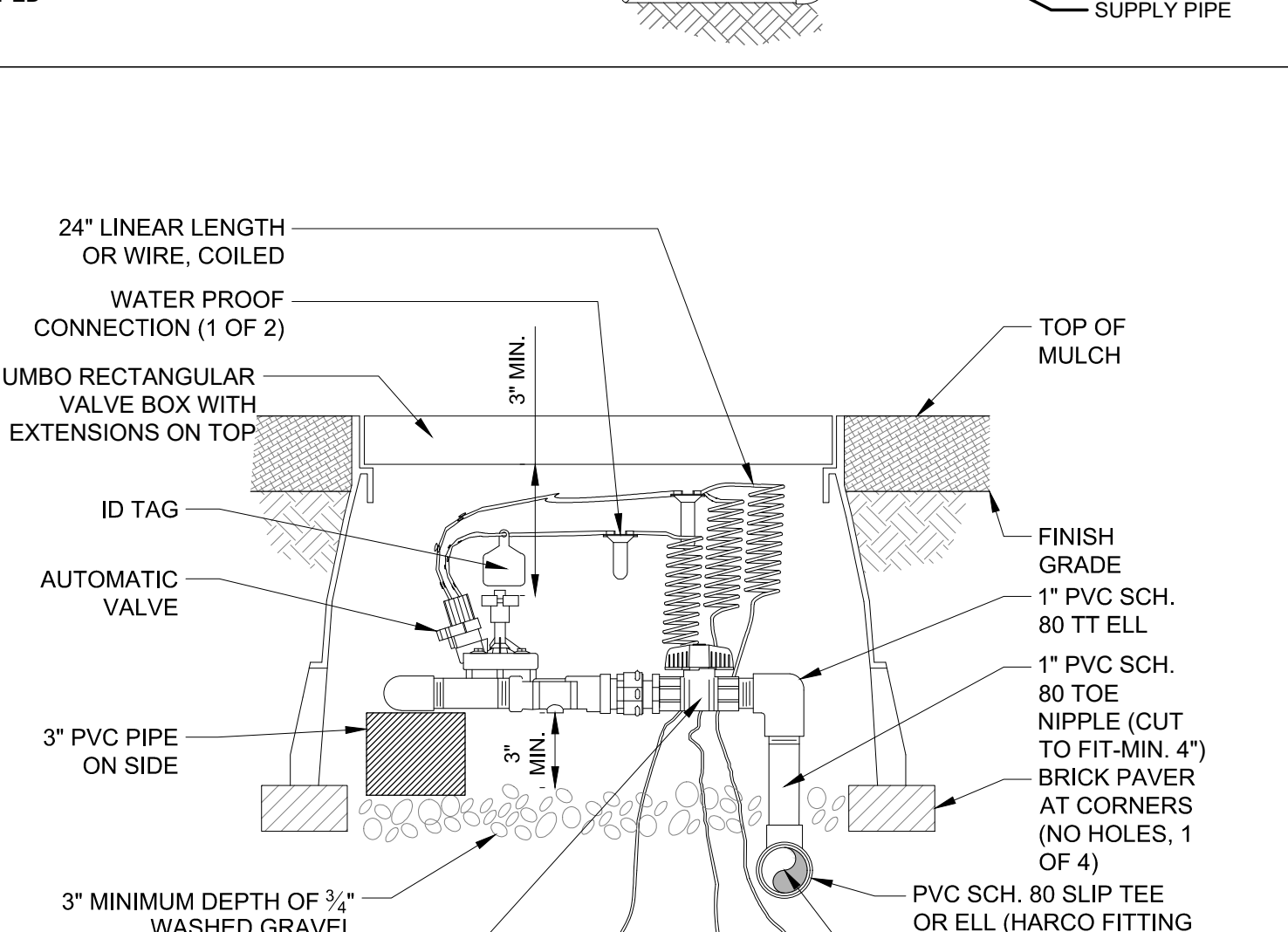
**A4 INLINE DRIP FLUSH VALVE**  
NTS



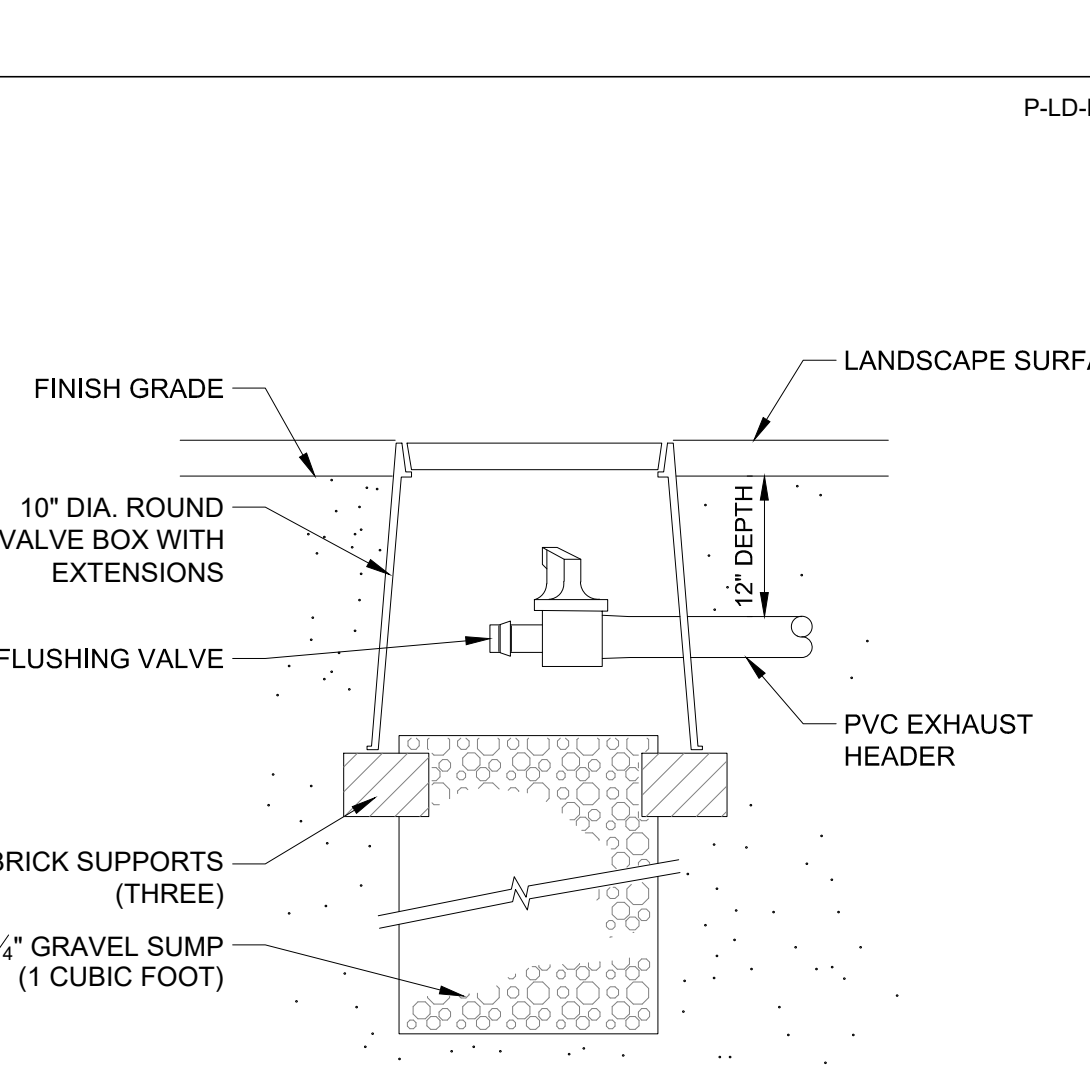
**A1 SPRAY HEAD ASSEMBLY**  
1 1/2" = 1'-0"



**A2 SPRAY HEAD OR ROTOR AT CURB OR WALK**  
1 1/2" = 1'-0"

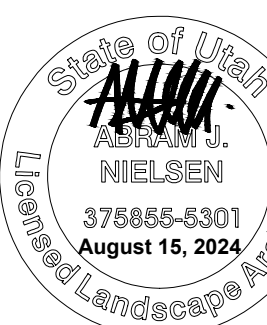


**A3 DRIP VALVE ASSEMBLY - CONVENTIONAL WIRING**  
NTS



**A4 INLINE DRIP FLUSH VALVE**  
NTS

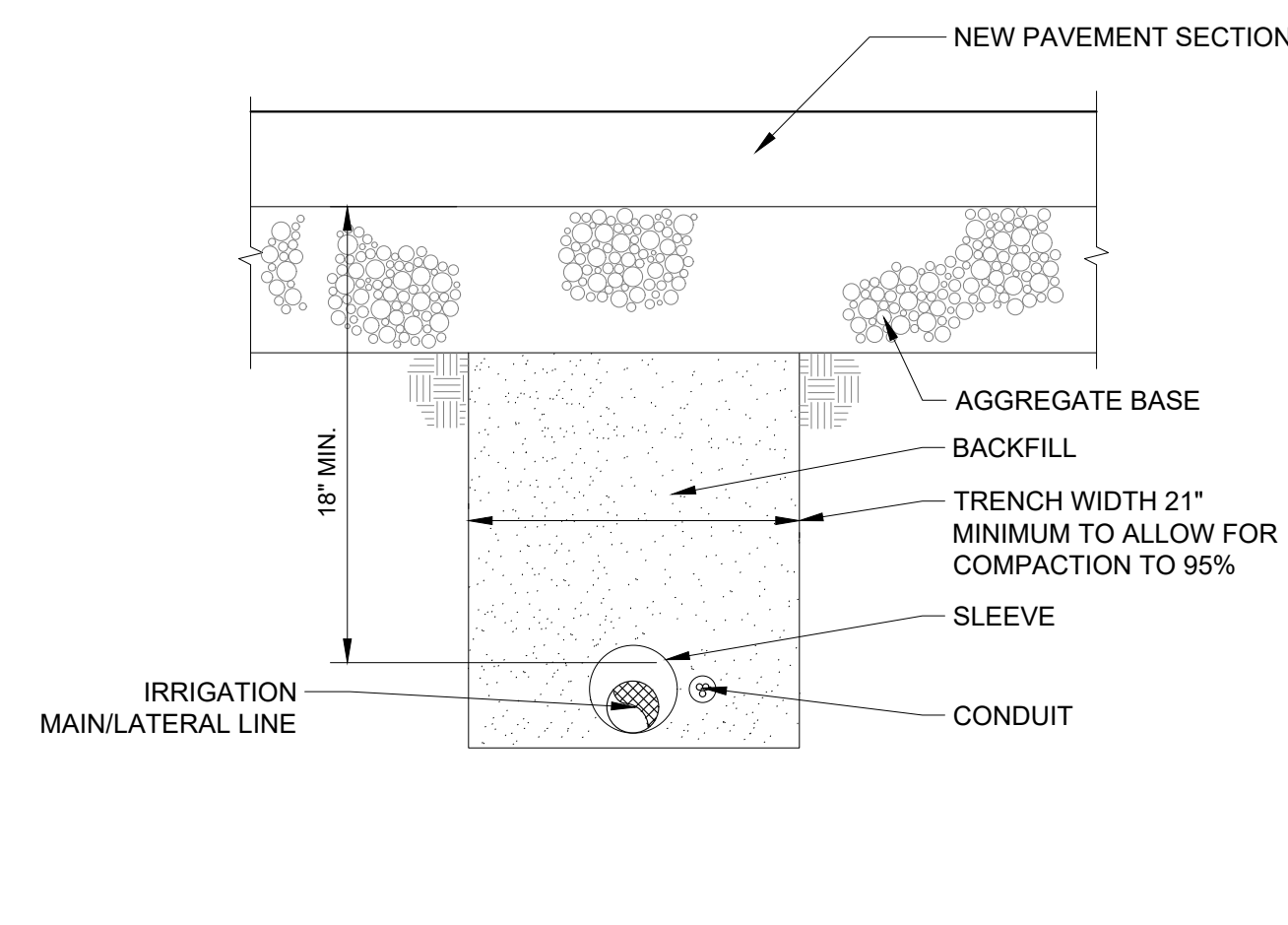
REFERENCE NOTES



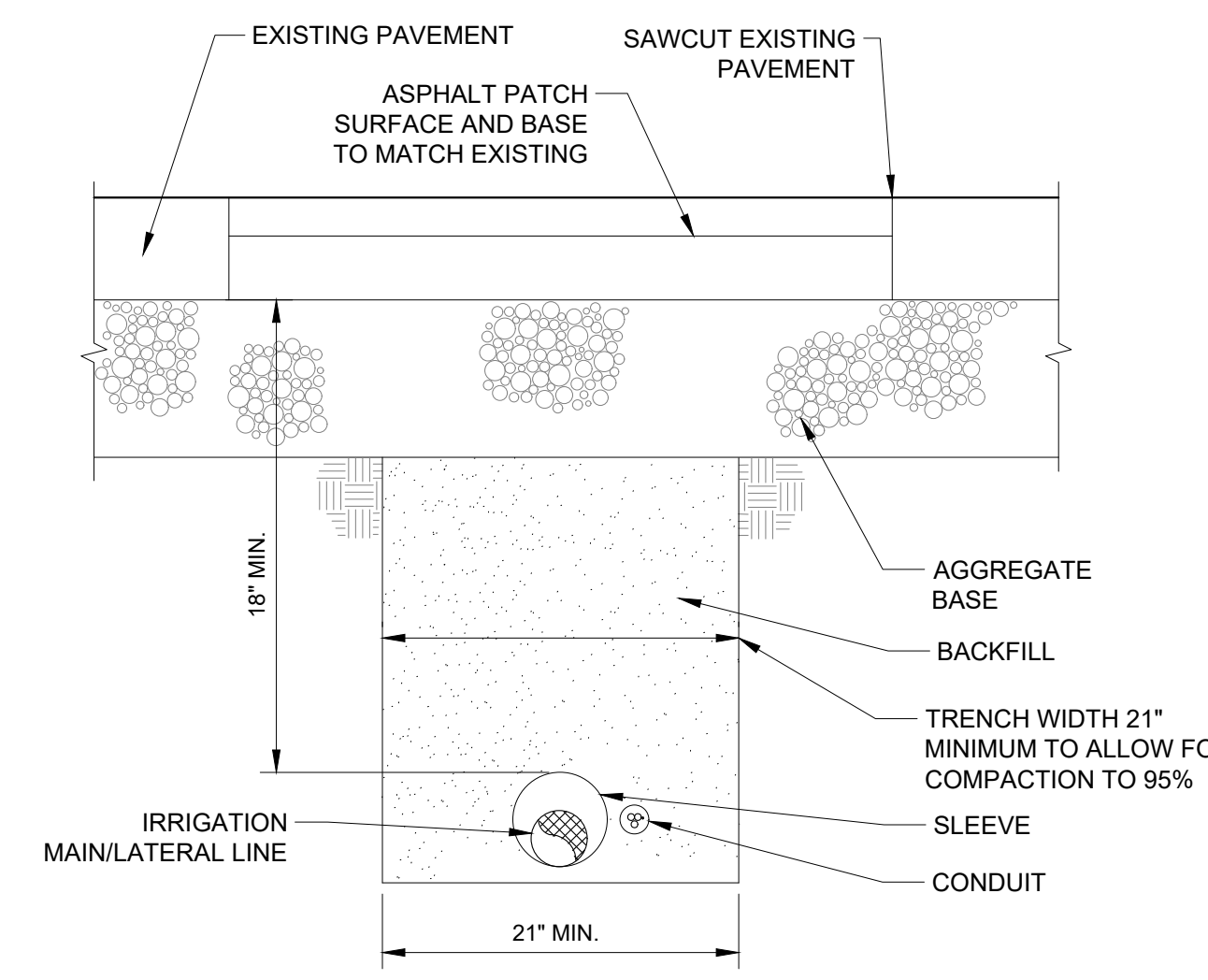
DATE REVISION

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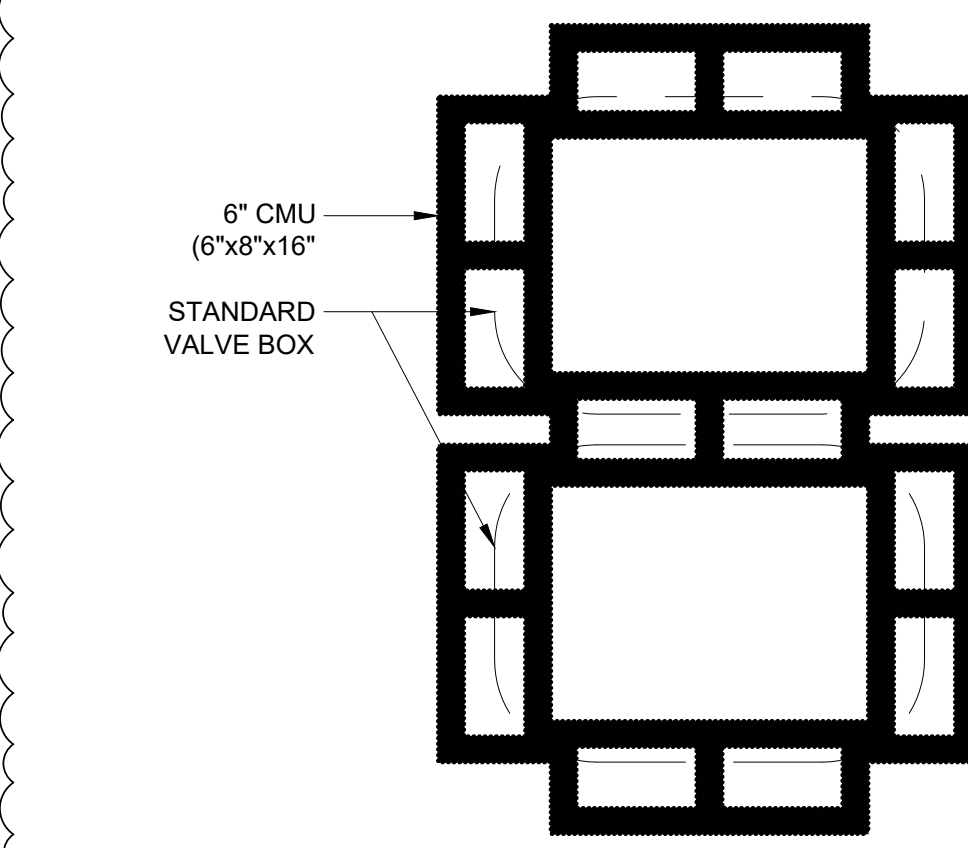
**LANDSCAPE IRRIGATION DETAILS**



**B1** PIPE TRENCH UNDER NEW PAVEMENT  
1" = 1'-0"

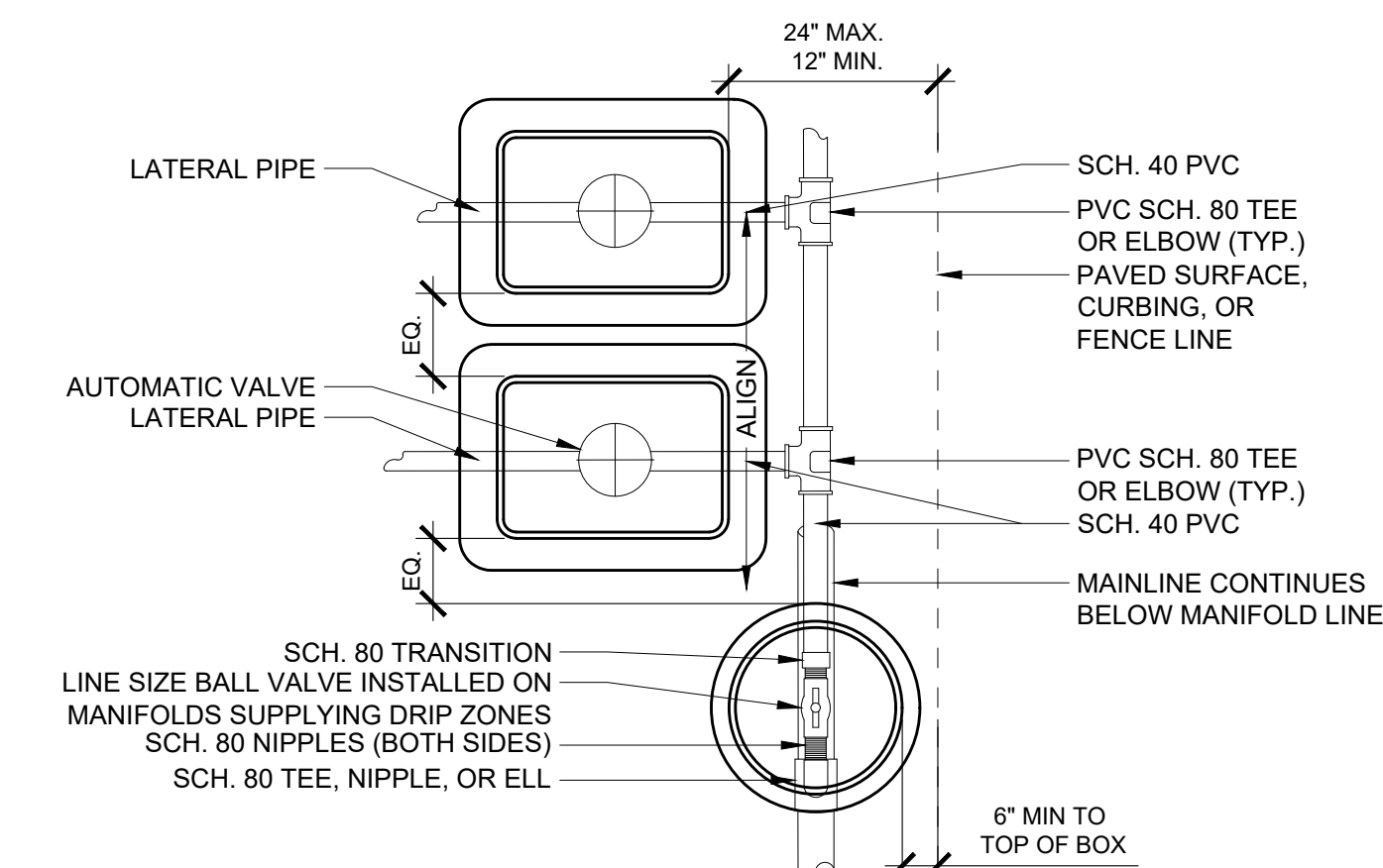


**B2** PIPE TRENCHING UNDER EXISTING PAVEMENT  
1" = 1'-0"



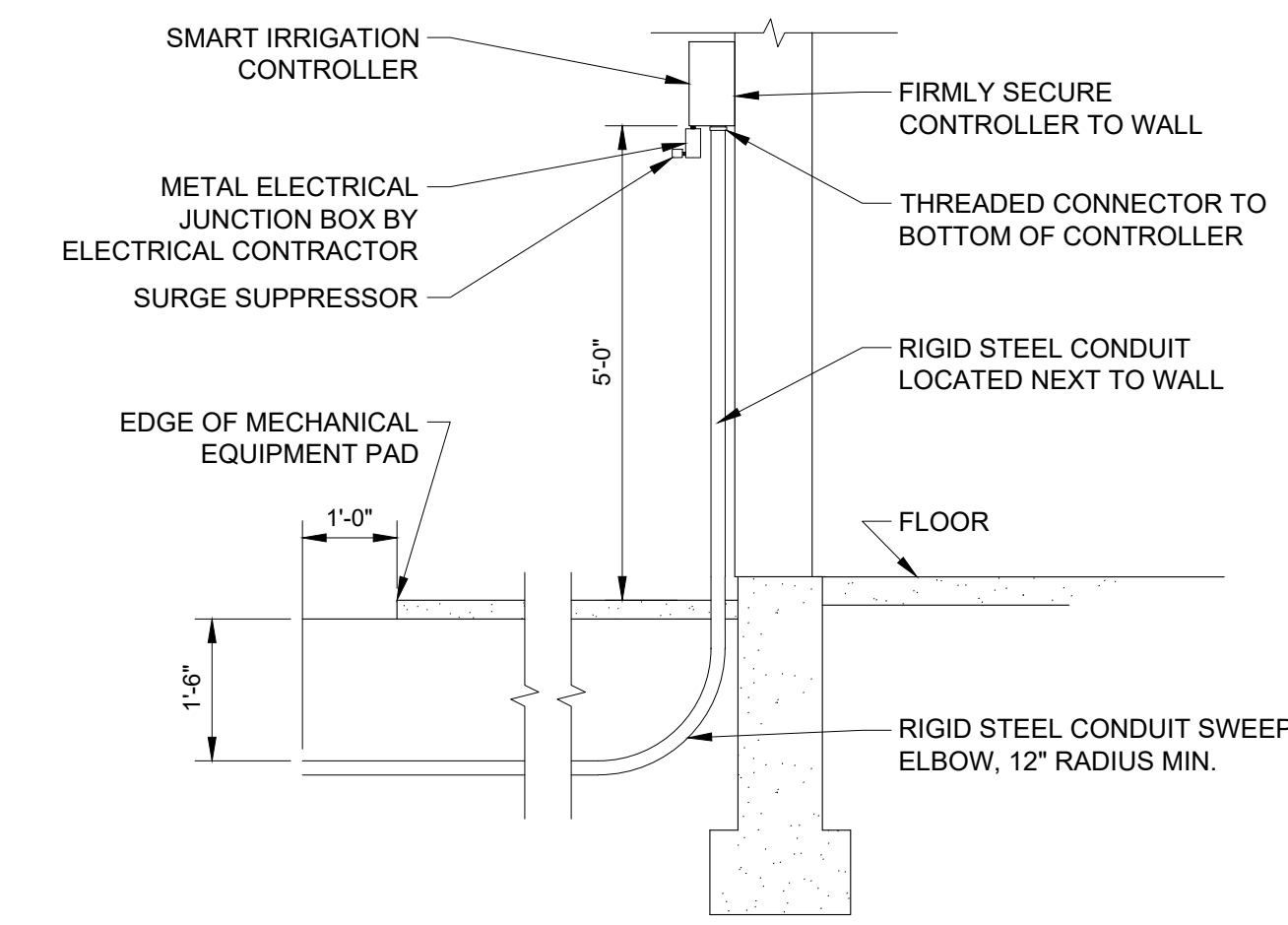
- NOTES:  
 1. VALVE BOX TO REST ON (4) CMU BLOCKS (ONE FOR EACH SIDE).  
 2. CLUSTERED VALVE BOXES MAY SHARE A CMU BLOCK

**B3** CMU PLACEMENT  
NOT TO SCALE

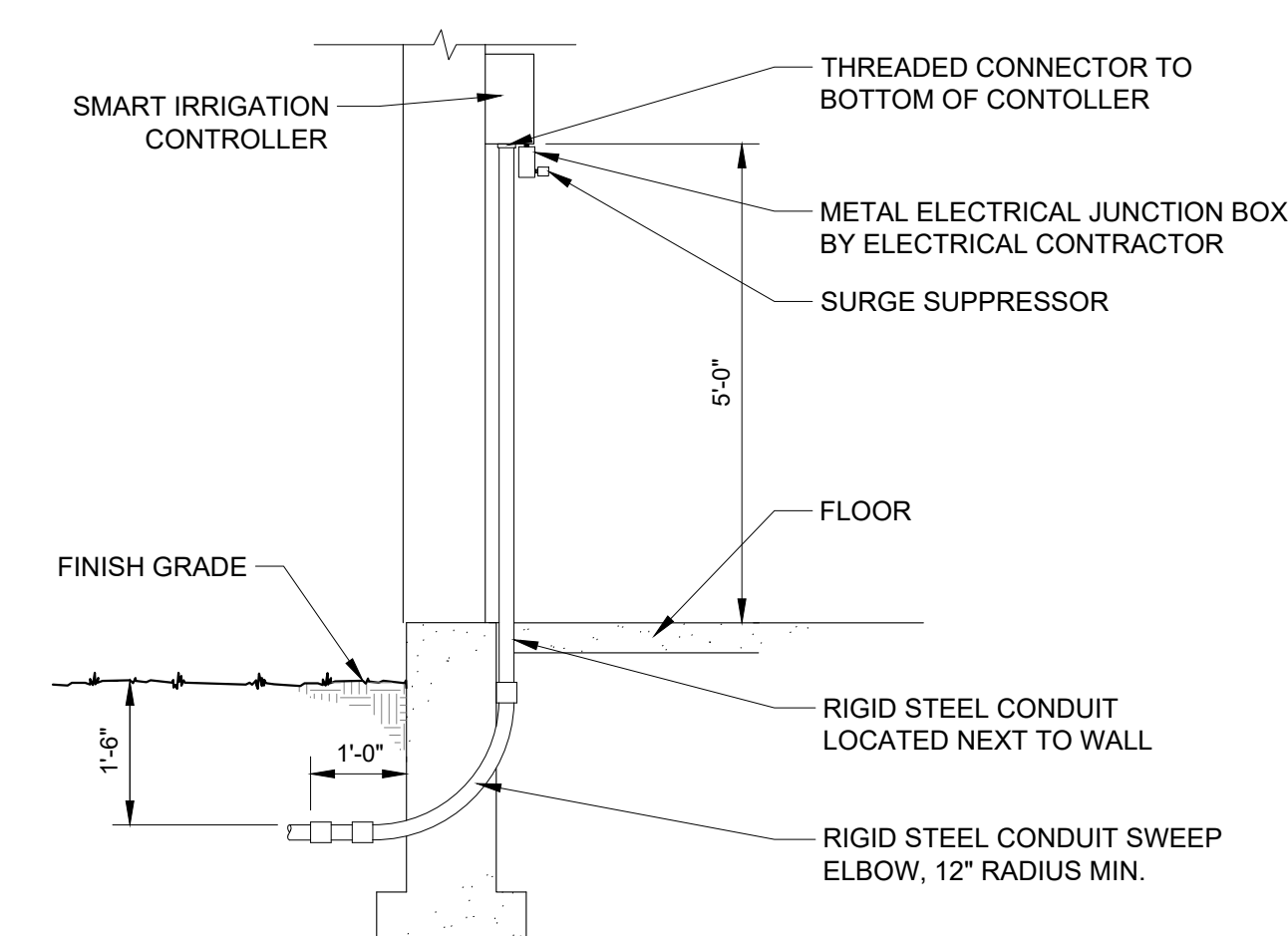


- NOTES:  
 1. CENTER VALVE IN BOX.  
 2. WIRING NOT SHOWN. INSTALL AS PER CONVENTIONAL OR TWO-WIRE AUTOMATIC VALVE SECTIONS

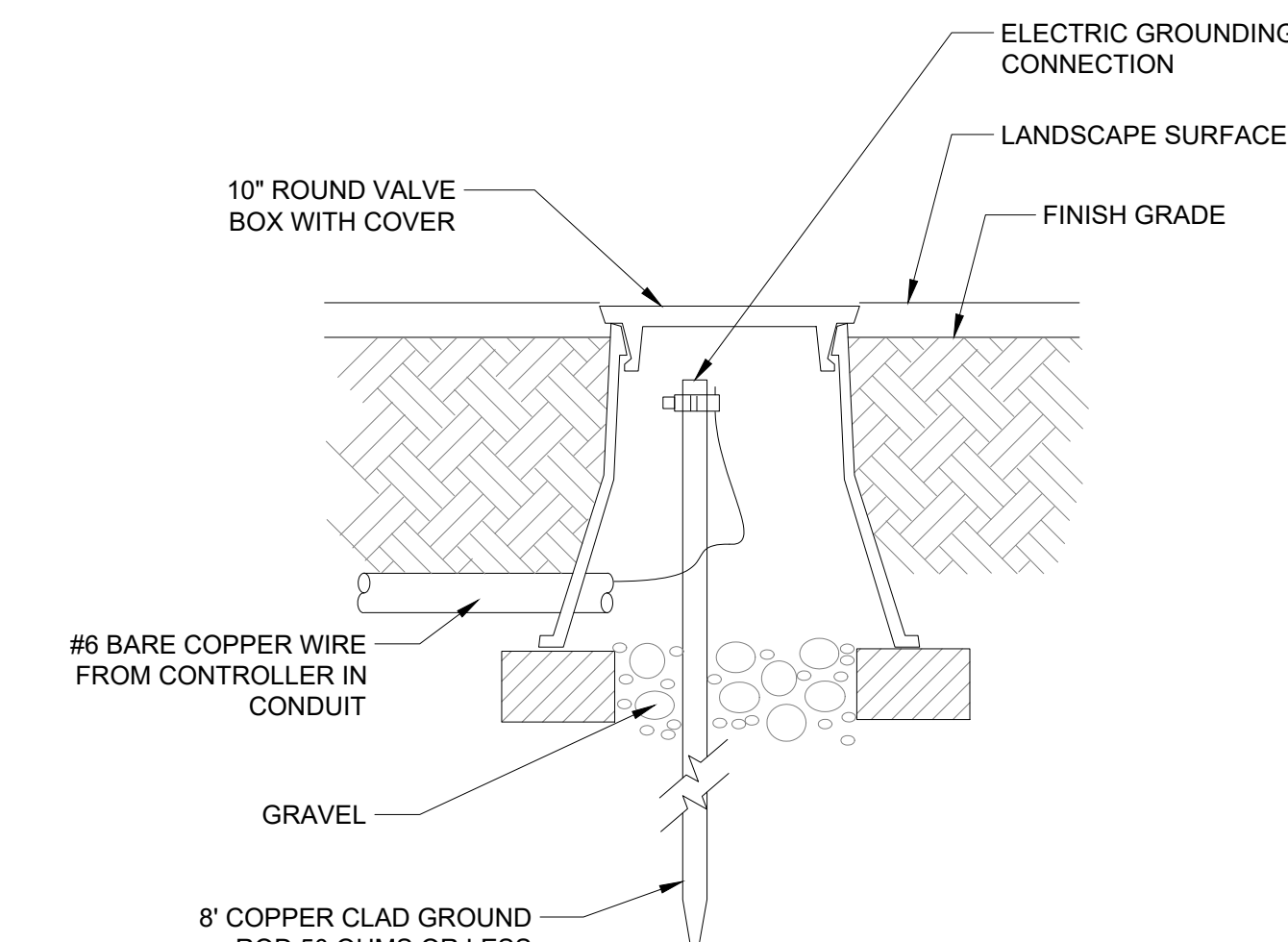
**B4** MANIFOLD & VALVE ASSEMBLY  
NOT TO SCALE



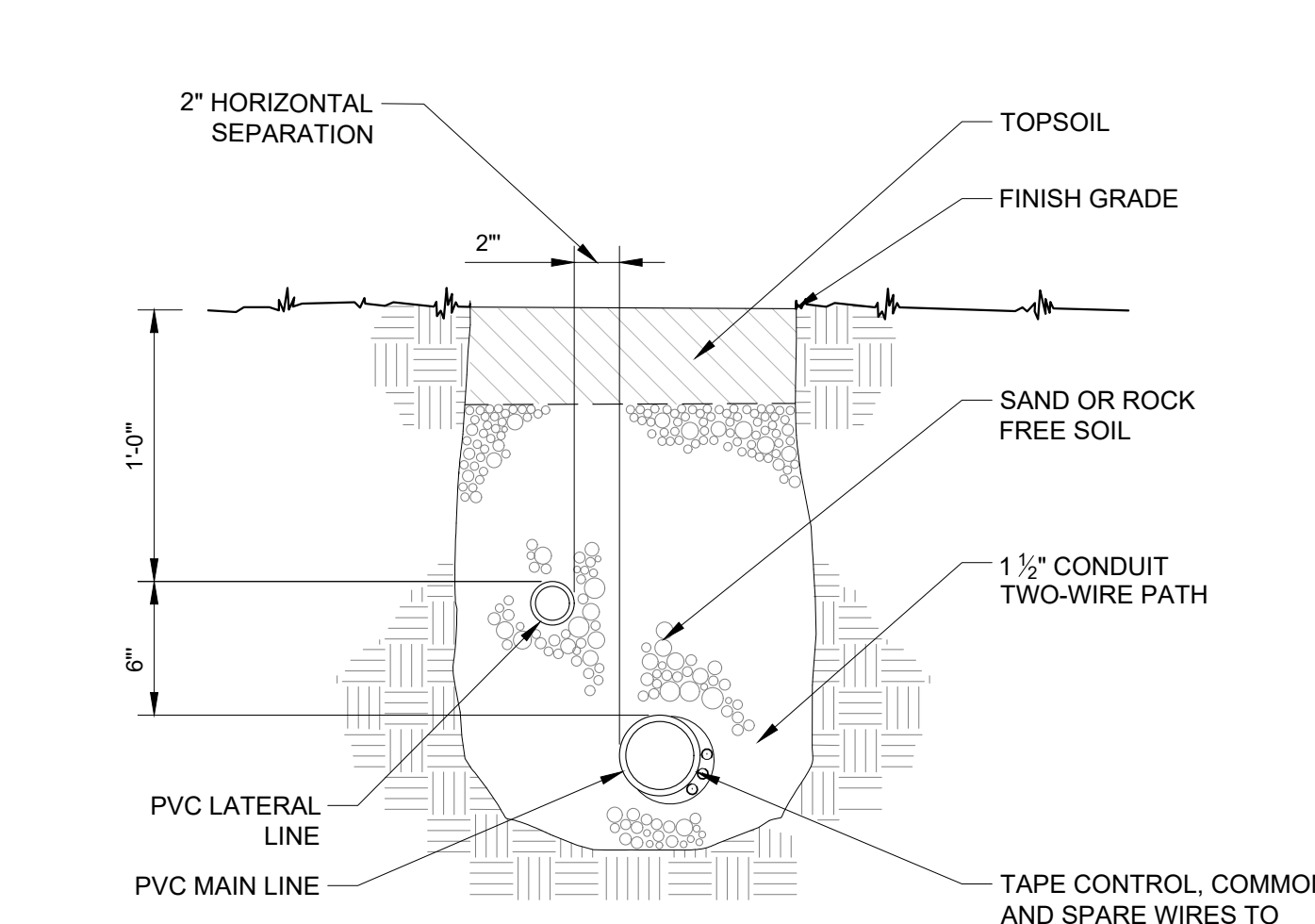
**A1** IRRIGATION CONTROLLER - EXTERIOR MOUNT  
1/2" = 1'-0"



**A2** IRRIGATION CONTROLLER - INTERIOR MOUNT  
1/2" = 1'-0"

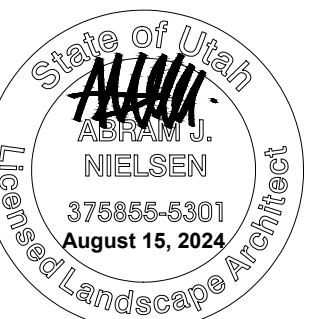


**A3** LIGHTNING ARRESTOR - CONVENTIONAL SYSTEM  
1 1/2" = 1'-0"



**A4** TRENCH SECTION - CONVENTIONAL WIRE SYSTEM  
1 1/2" = 1'-0"

REFERENCE NOTES



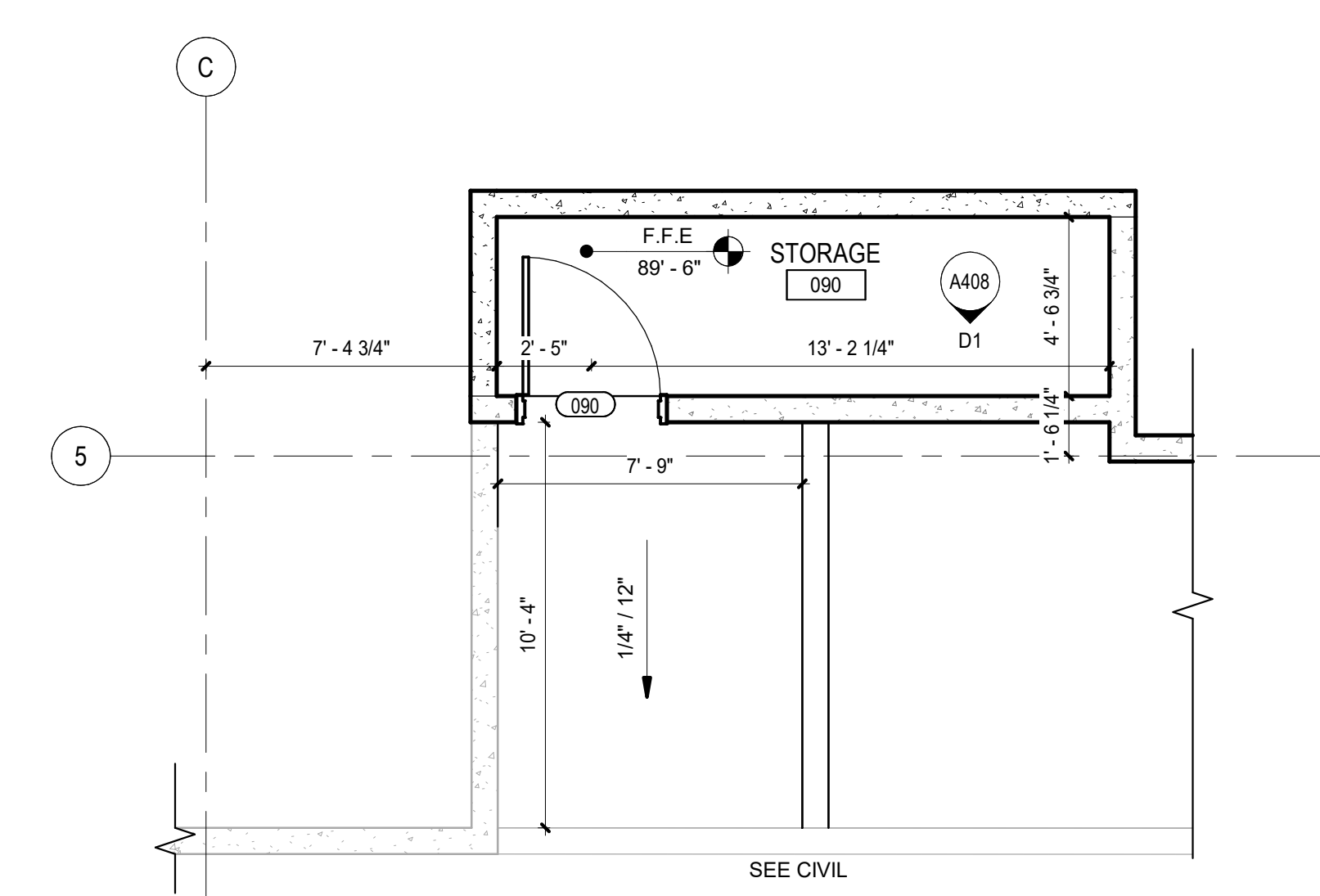
DATE	REVISION
1 11.22.2024	ADDENDUM 1

PROJECT NUMBER 24003

**LANDSCAPE IRRIGATION DETAILS**

REFERENCE NOTES

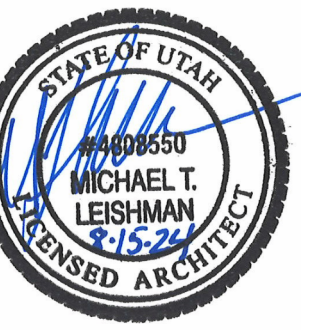
- 08.07 SKYFOLD FOLDING WALL SYSTEM WITH FULL WRITABLE SURFACE
- 10.21 TYPICAL WORKER DRESSING STALL. REFER TO SHEET GH21 FOR LOOKER ARRANGEMENT



**A1** LEVEL 1 FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

**A5** LOWER STORAGE FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

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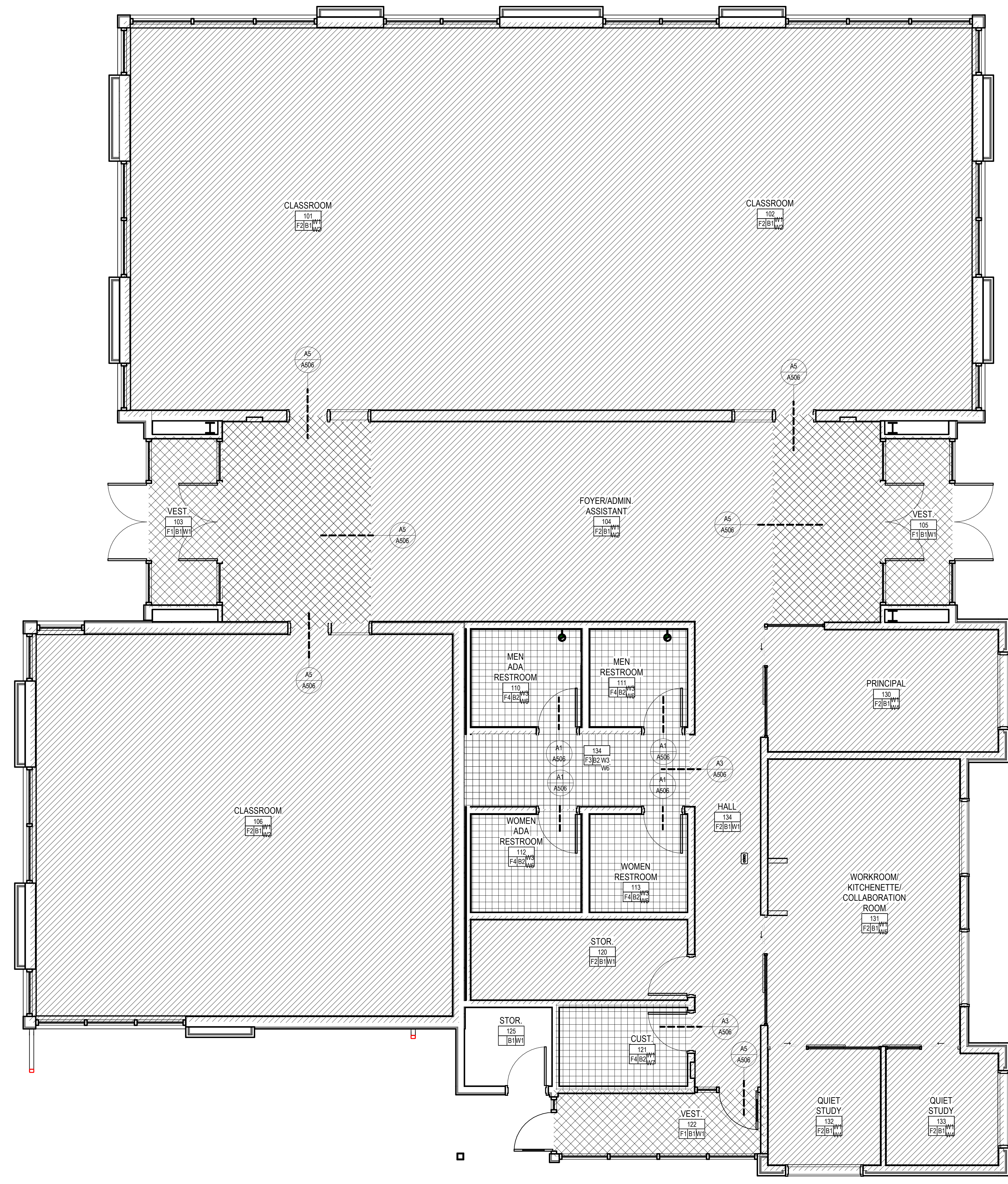
DATE: 11/22/24  
 REVISION: Addendum #1

PROJECT NUMBER: 24003

**FLOOR PLAN**

21/11/2024 2:38:45 p. m.

5/09/2024 9:21:45 a.m.



**A1** LEVEL 1 FINISH FLOOR PLAN  
SCALE: 1/4" = 1'-0"

**FLOOR FINISH LEGEND**  
(SEE A603 FOR FINISH SPECIFICATION)

- CARPET
- CARPET - WALKOFF
- PORCELAIN TILE\* | RECESS CONCRETE FLOORS 3" TO RECIEVE TILE INSTALLATION.

\* SEE A505 FOR PATTERN AND LAYOUT DETAILS

**REFERENCE NOTES**

**FINISH LEGEND**

Room name: 101, F|B|W

ROOM IS NOT ELEVATED. ALL FINISHES ARE SHOWN IN THE TAG

ONLY FLOOR FINISH. SEE ROOM'S INTERIOR ELEVATIONS FOR VERTICAL FINISHES

F = FLOOR FINISH  
B = BASE FINISH  
W = WALL FINISH

NF = NO FINISH  
\* = SEE FINISH TAG ON LARGE SCALE DRAWING

SEE FINISH LEGEND FOR FINISHES



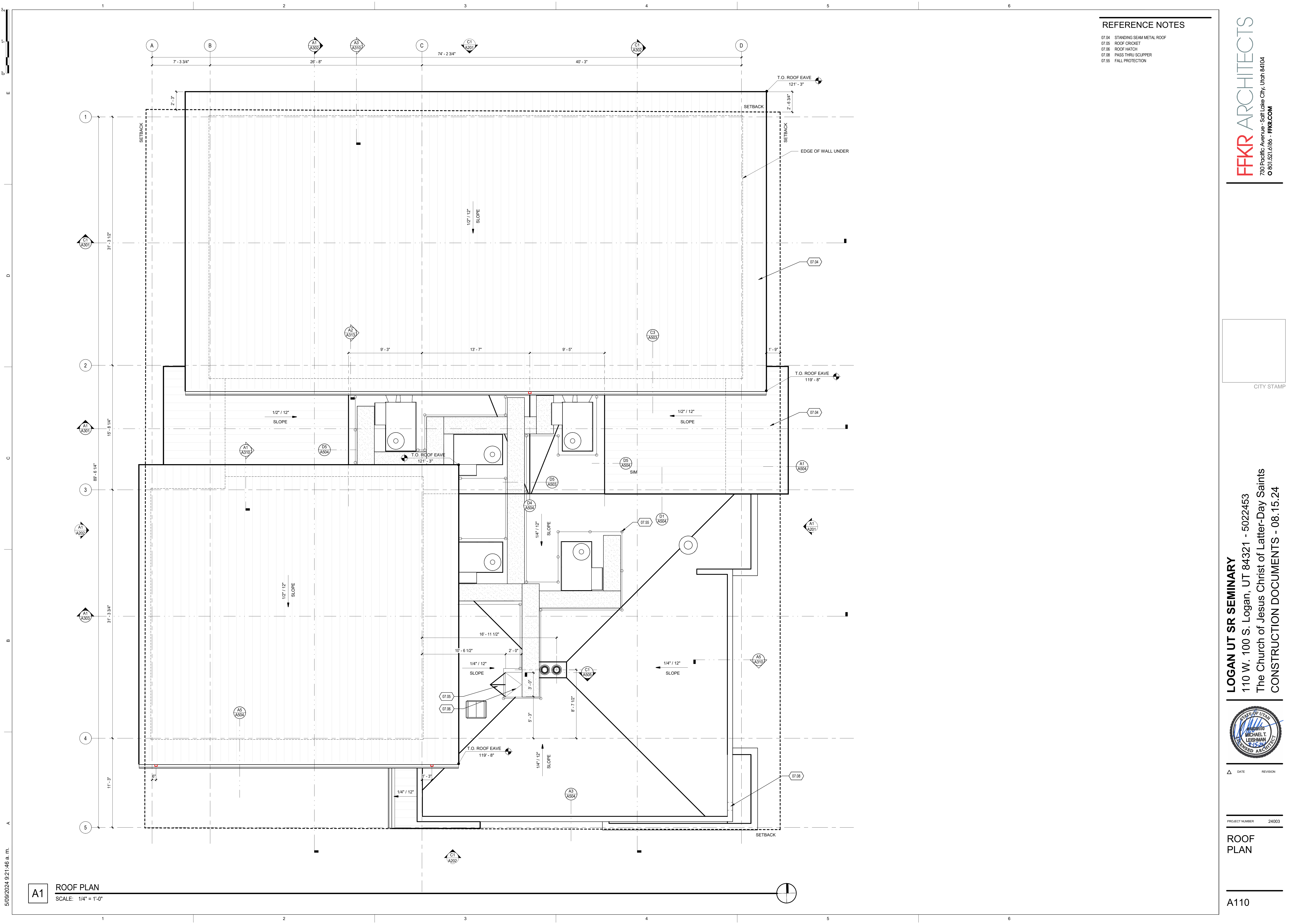
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**FLOOR FINISH PLAN**

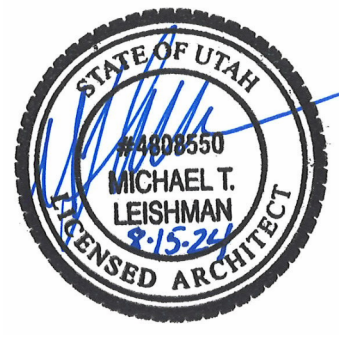


**REFERENCE NOTES**

- 07.04 STANDING SEAM METAL ROOF
- 07.05 ROOF CRICKET
- 07.06 ROOF HATCH
- 07.08 PASS THRU SCUPPER
- 07.55 FALL PROTECTION



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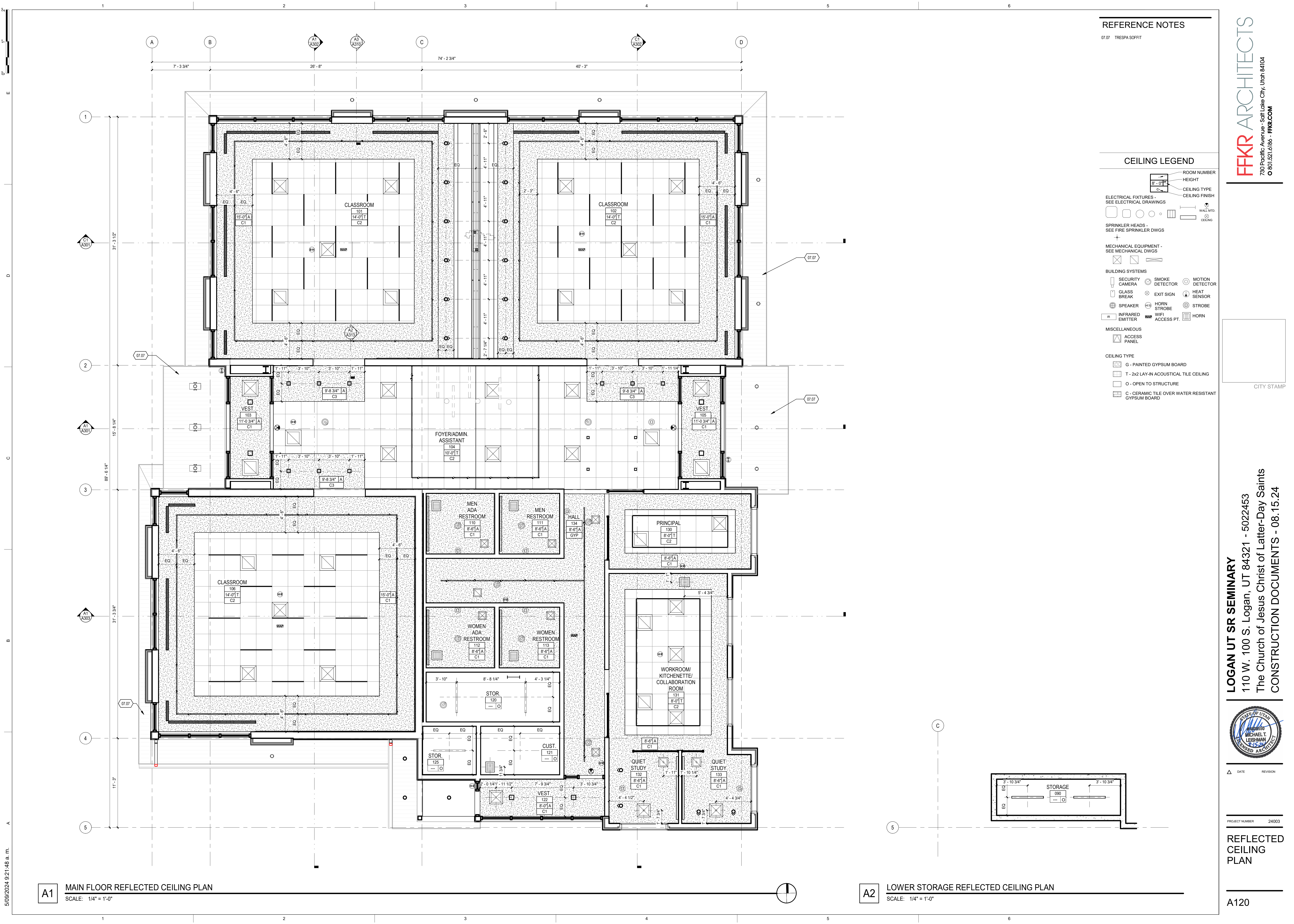
PROJECT NUMBER 24003

**ROOF PLAN**

**A1 ROOF PLAN**  
 SCALE: 1/4" = 1'-0"

5/09/2024 9:21:46 a.m.





REFERENCE NOTES  
07.07 TRESPA SOFFIT

**CEILING LEGEND**

ROOM NUMBER  
HEIGHT  
CEILING TYPE  
CEILING FINISH

ELECTRICAL FIXTURES - SEE ELECTRICAL DRAWINGS

SPRINKLER HEADS - SEE FIRE SPRINKLER DWGS

MECHANICAL EQUIPMENT - SEE MECHANICAL DWGS

BUILDING SYSTEMS

SECURITY CAMERA  
GLASS BREAK  
SPEAKER  
INFRARED EMITTER

SMOKE DETECTOR  
EXIT SIGN  
HORN STROBE  
WIFI ACCESS PT.

MOTION DETECTOR  
HEAT SENSOR  
STROBE  
HORN

MISCELLANEOUS  
ACCESS PANEL

CEILING TYPE

G - PAINTED GYPSUM BOARD  
T - 2x2 LAY-IN ACOUSTICAL TILE CEILING  
O - OPEN TO STRUCTURE  
C - CERAMIC TILE OVER WATER RESISTANT GYPSUM BOARD

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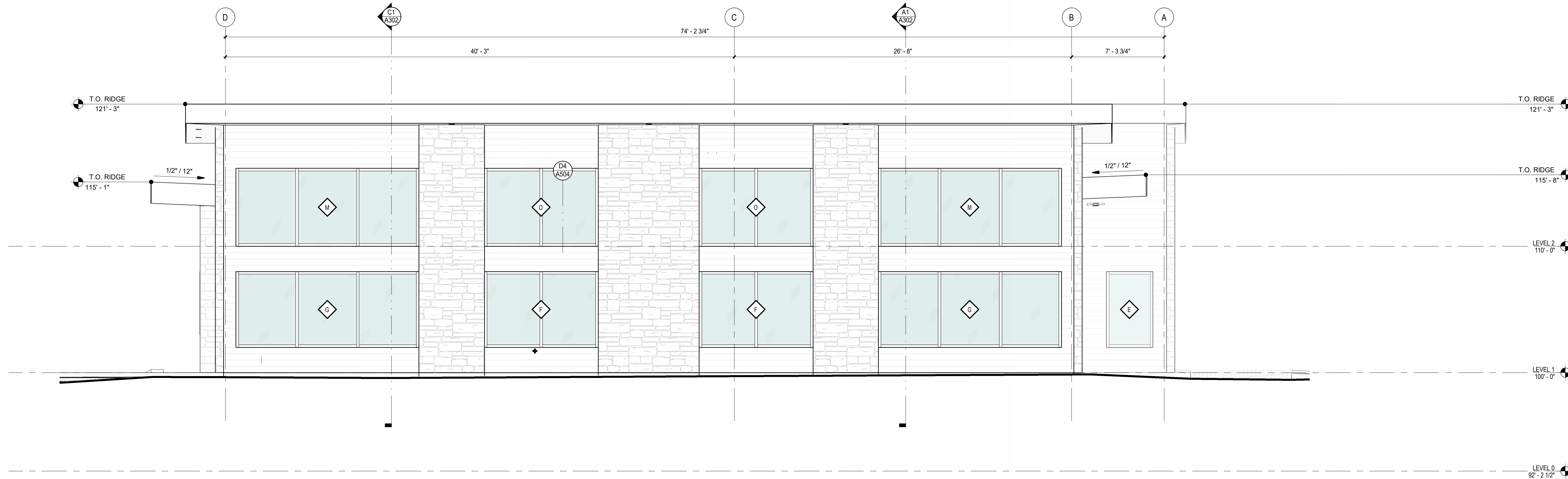
**REFLECTED CEILING PLAN**

A120

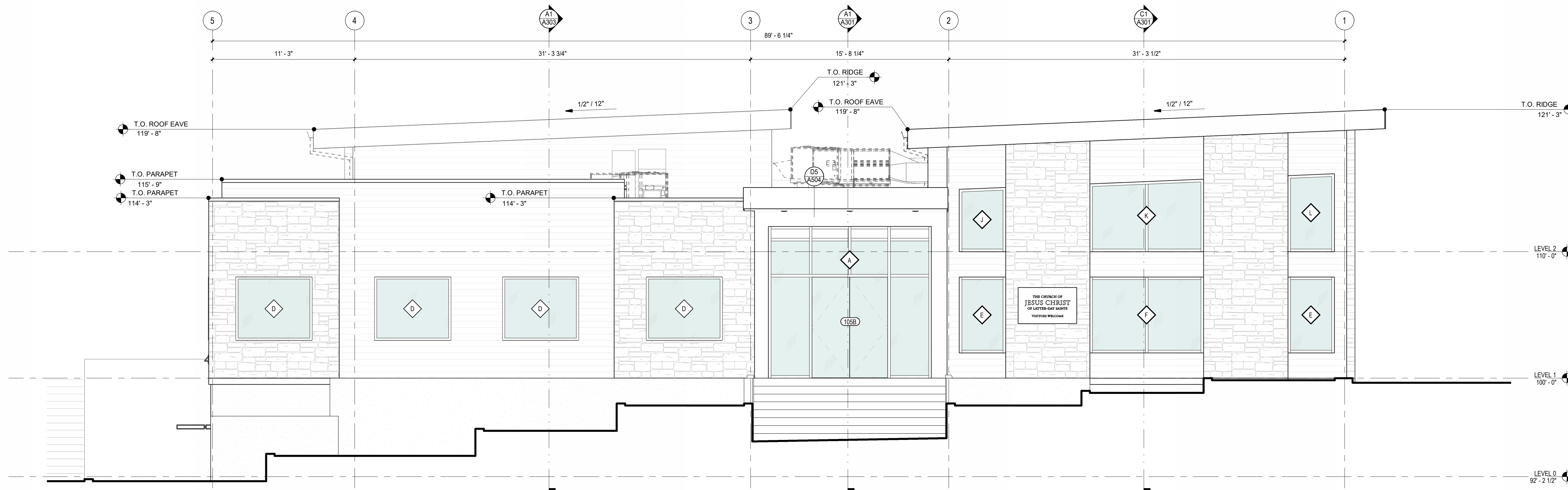
**A1 MAIN FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

**A2 LOWER STORAGE REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

5/09/2024 9:21:48 a.m.



C1 NORTH ELEVATION  
SCALE: 1/4" = 1'-0"



A1 EAST ELEVATION  
SCALE: 1/4" = 1'-0"



CITY STAMP

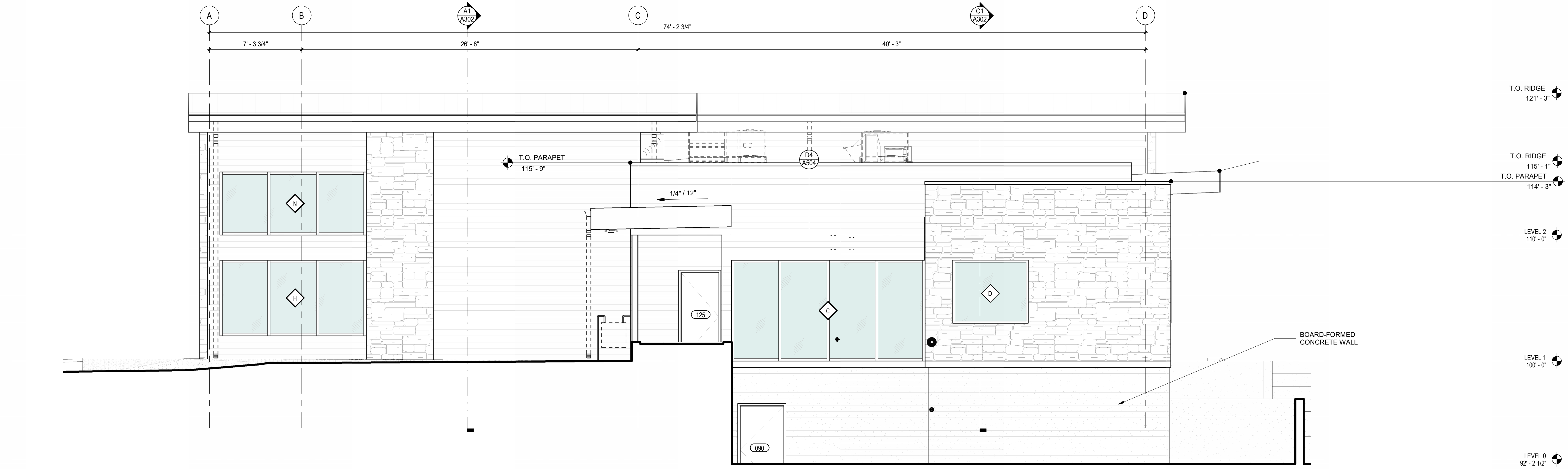
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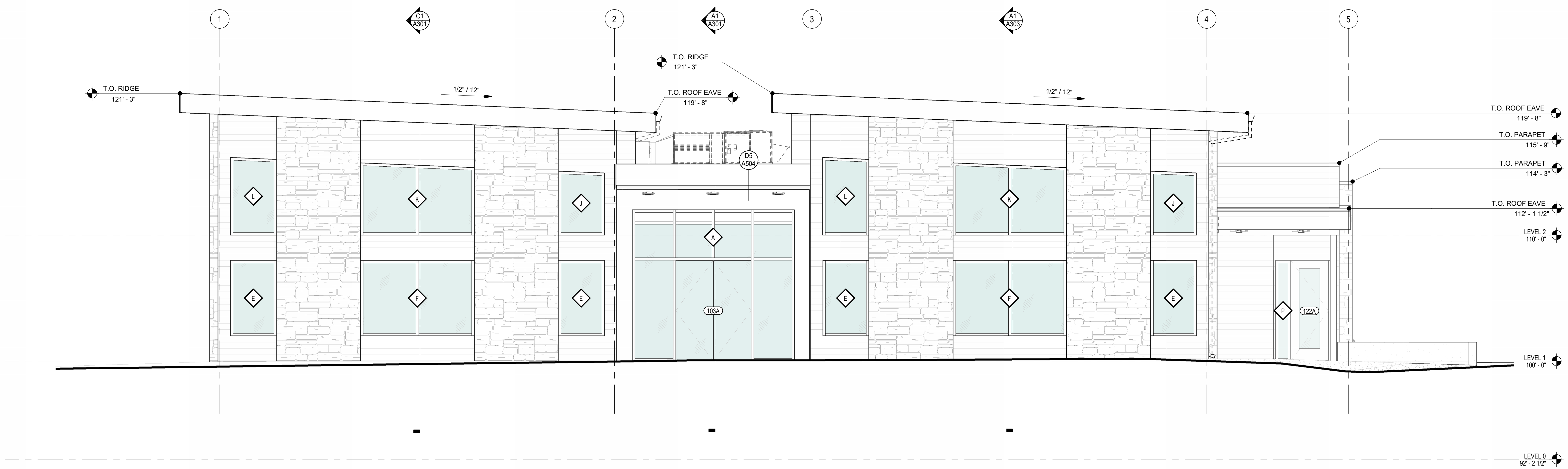
DATE REVISION

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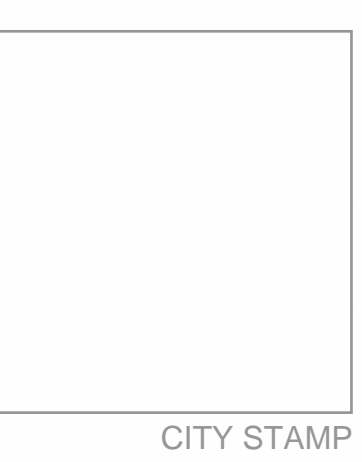
BUILDING ELEVATIONS



C1 SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"



A1 WEST ELEVATION  
SCALE: 1/4" = 1'-0"



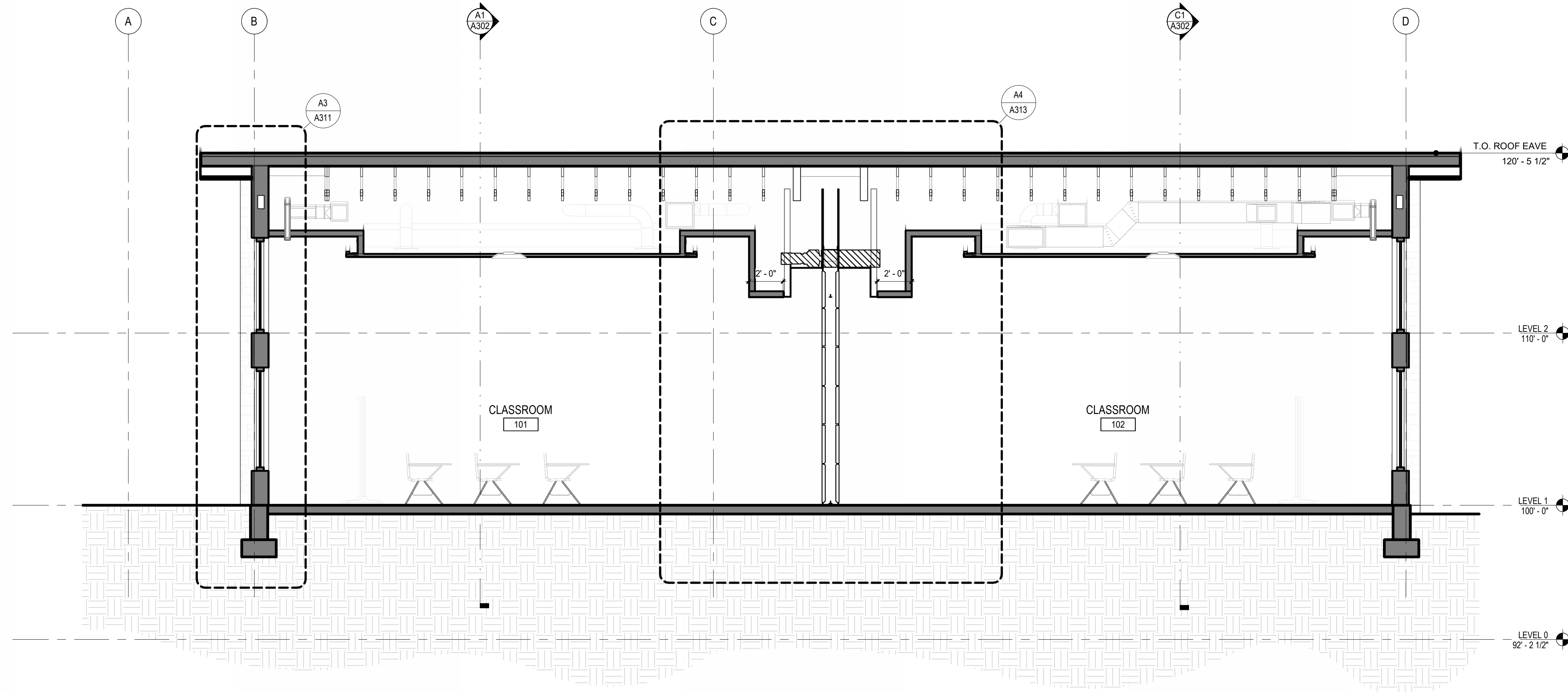
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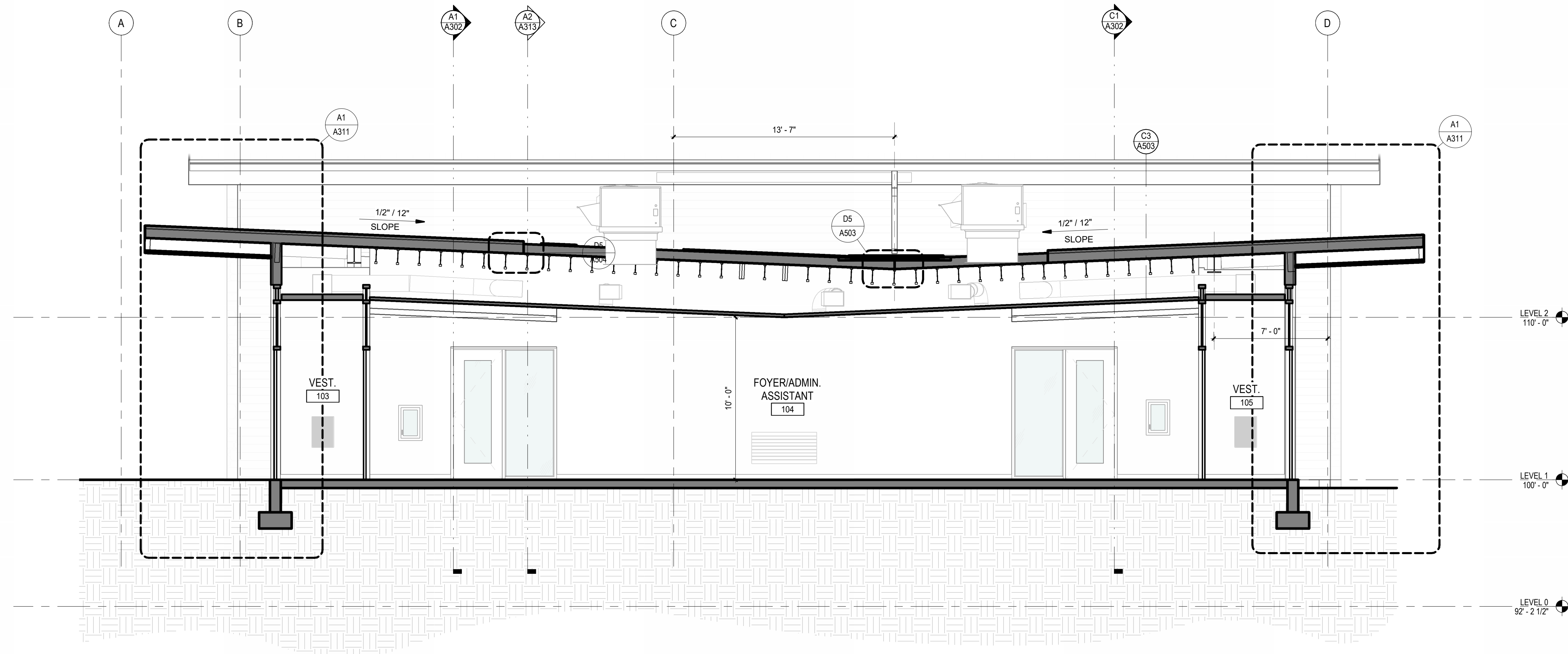
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BUILDING ELEVATIONS



C1 LOGAN UT SEMINARY - LONGITUDINAL SECTION B  
SCALE: 1/4" = 1'-0"

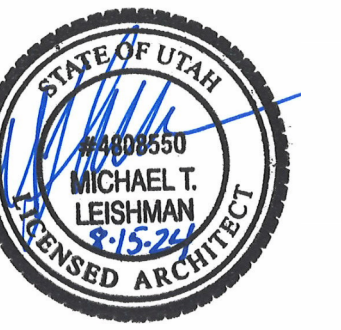


A1 LOGAN UT SEMINARY - LONGITUDINAL SECTION A  
SCALE: 1/4" = 1'-0"



CITY STAMP

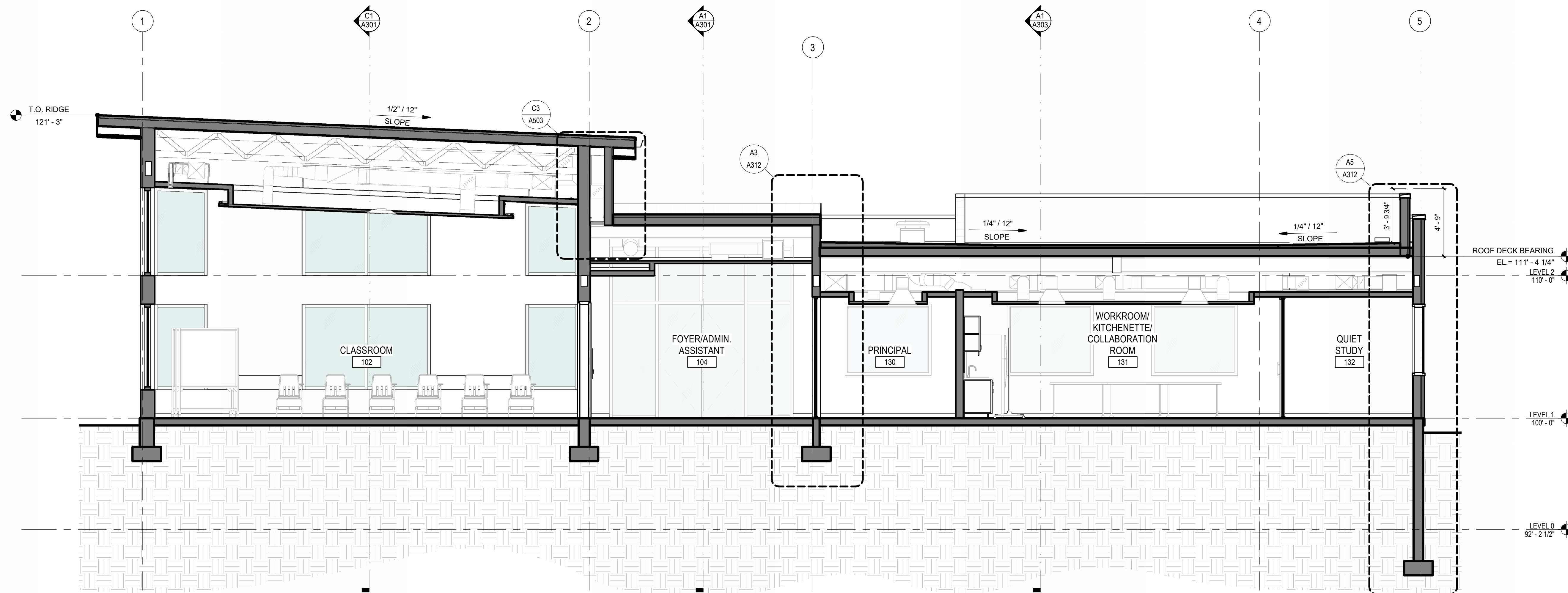
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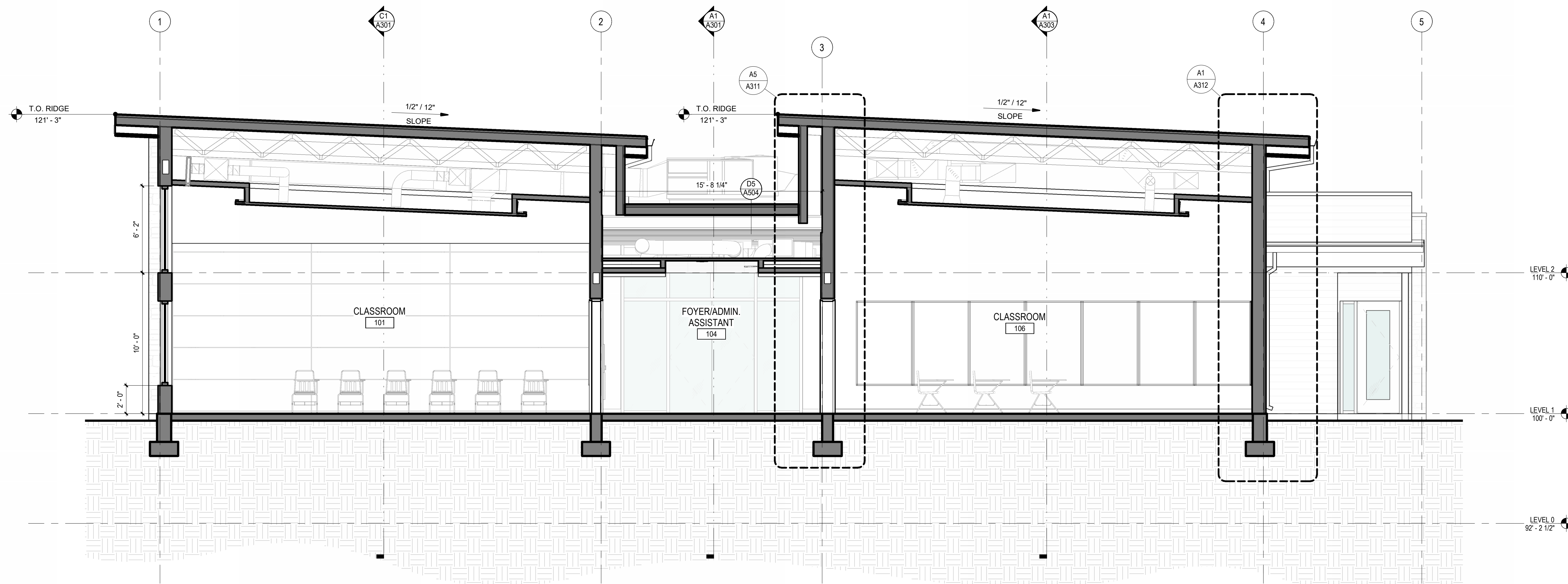
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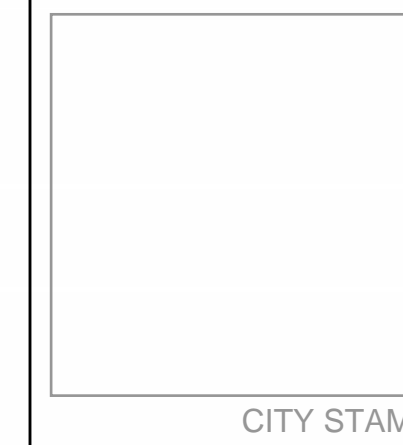
BUILDING SECTIONS



**C1** LOGAN UT SEMINARY - LONGITUDINAL SECTION D  
 SCALE: 1/4" = 1'-0"



**A1** LOGAN UT SEMINARY - LONGITUDINAL SECTION C  
 SCALE: 1/4" = 1'-0"



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**BUILDING SECTIONS**



CITY STAMP

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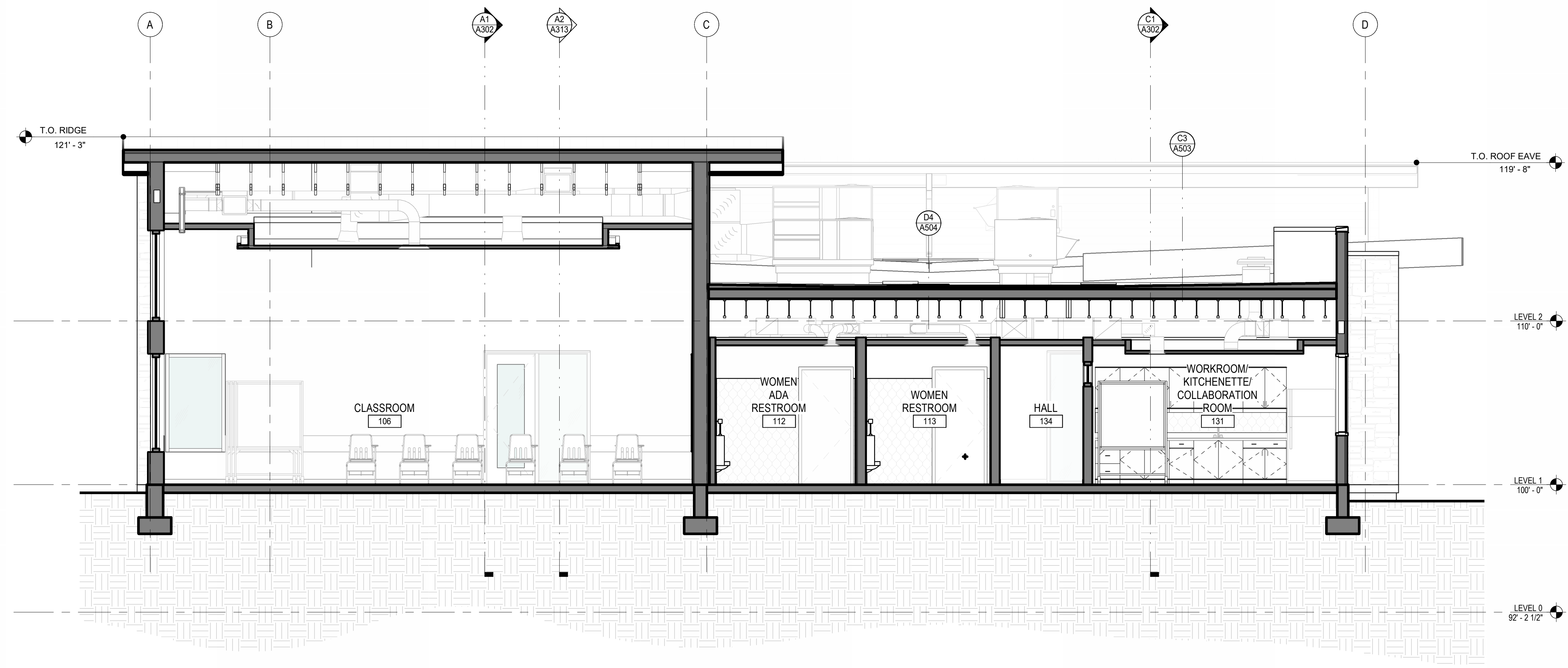


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BUILDING SECTIONS

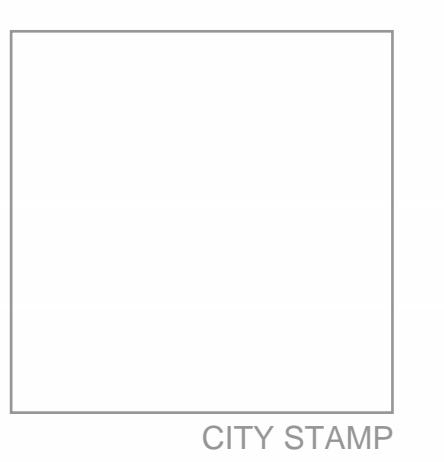
A303



A1 LOGAN UT SEMINARY - LONGITUDINAL SECTION E  
SCALE: 1/4" = 1'-0"

5/09/2024 9:22:10 a.m.

- REFERENCE NOTES**
- 03.02 CONCRETE FLOOR
  - 06.01 2 X WOOD FRAMING
  - 07.01 RIGID ROOF INSULATION
  - 07.04 STANDING SEAM METAL ROOF
  - 07.07 TRESPA SOFFIT
  - 09.00A SCHEDULED WALL BASE
  - 09.01 5/8" TYPE 'X' GYPSUM BOARD
  - 09.02 SCHEDULED CEILING, SEE REFLECTED CEILING PLANS
  - 09.05 3 5/8" METAL STUD
  - 09.19 TRESPA PURA, SEE SPECS



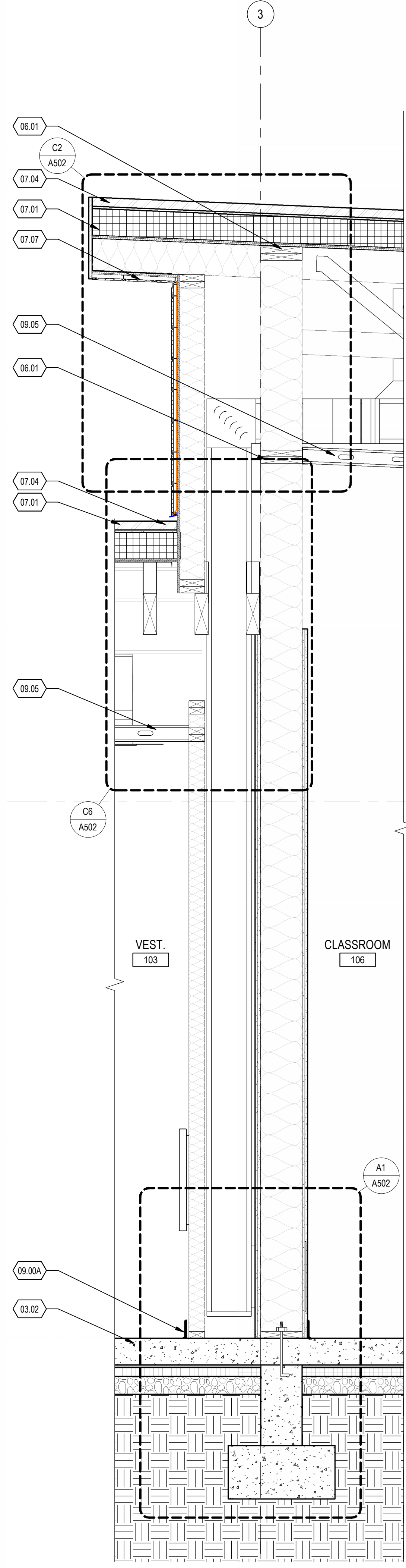
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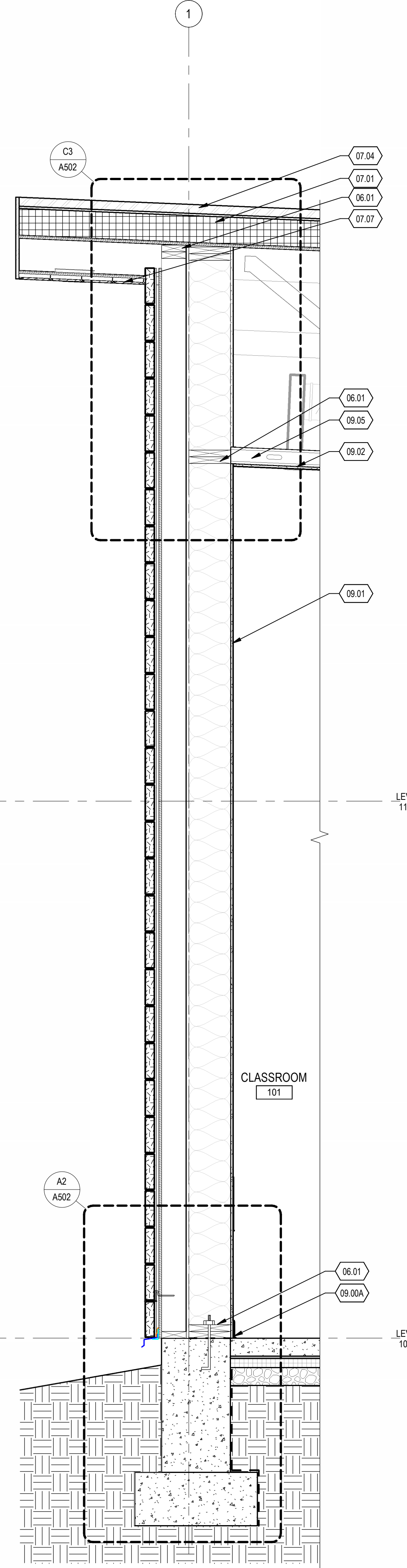
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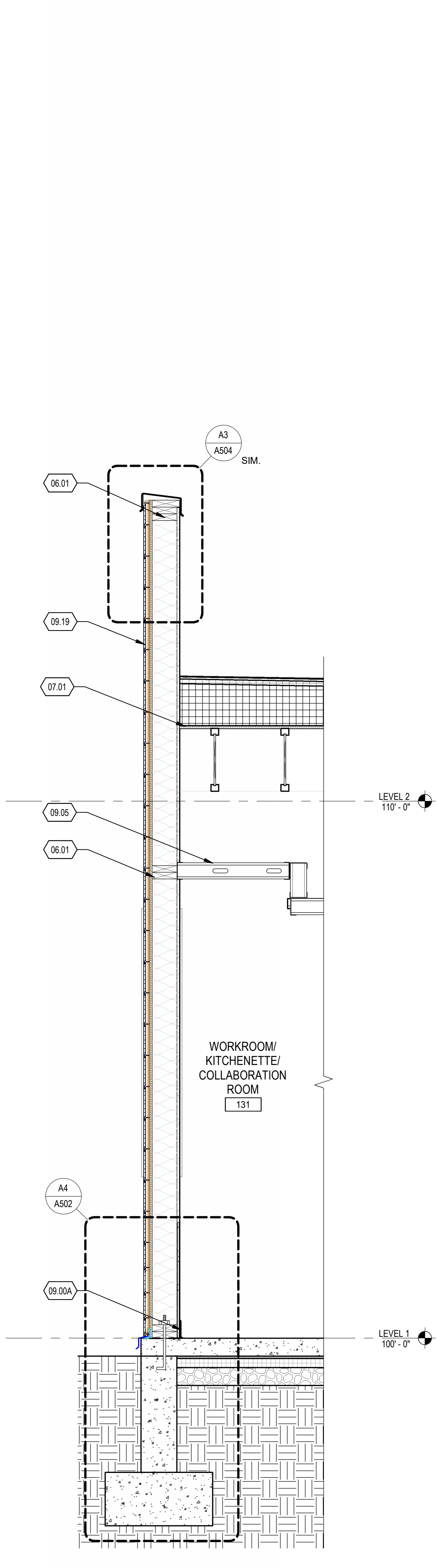
**WALL SECTIONS**



**A1** WALL SECTION @ CLASSROOM 106  
 SCALE: 3/4" = 1'-0"



**A3** WALL SECTION @ CLASSROOM 101  
 SCALE: 3/4" = 1'-0"



**A5** WALL SECTION @ WORKROOM/ KITCHENETTE/ COLLABORATION ROOM  
 SCALE: 3/4" = 1'-0"

5/09/2024 9:22:14 a.m.

- REFERENCE NOTES**
- 03.02 CONCRETE FLOOR
  - 06.01 2 X WOOD FRAMING
  - 07.01 RIGID ROOF INSULATION
  - 07.04 STANDING SEAM METAL ROOF
  - 07.07 TRESPA SOFFIT
  - 08.03 SCHEDULED DOOR
  - 08.05 WINDOW, SEE WINDOW SCHEDULE
  - 09.00A SCHEDULED WALL BASE
  - 09.01 5/8" TYPE 'X' GYPSUM BOARD
  - 09.02 SCHEDULED CEILING, SEE REFLECTED CEILING PLANS
  - 09.05 3 5/8" METAL STUD
  - 09.19 TRESPA FLUA, SEE SPECS
  - 10.06 ELECTRIC ROLLER SHADES, TYP AT ALL CLASSROOM WINDOWS.
  - 22.16 GALVANIZED HALF GUTTER; SEE ROOF PLAN FOR DOWNSPOUT LOCATION

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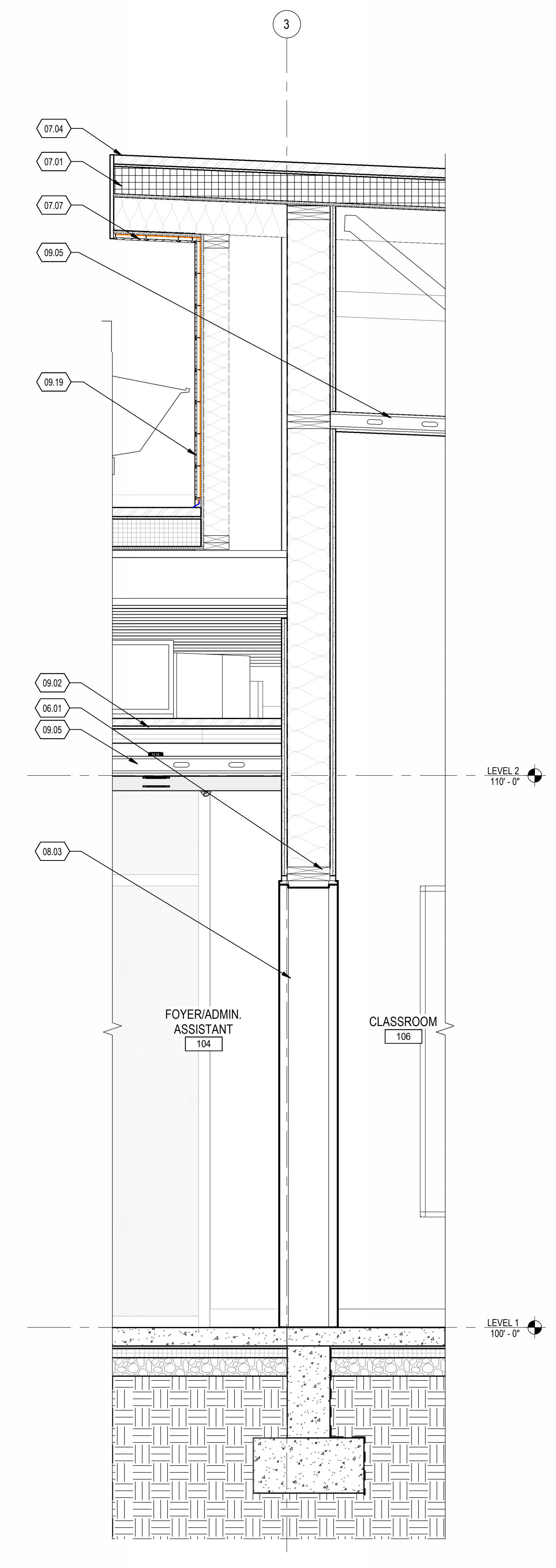
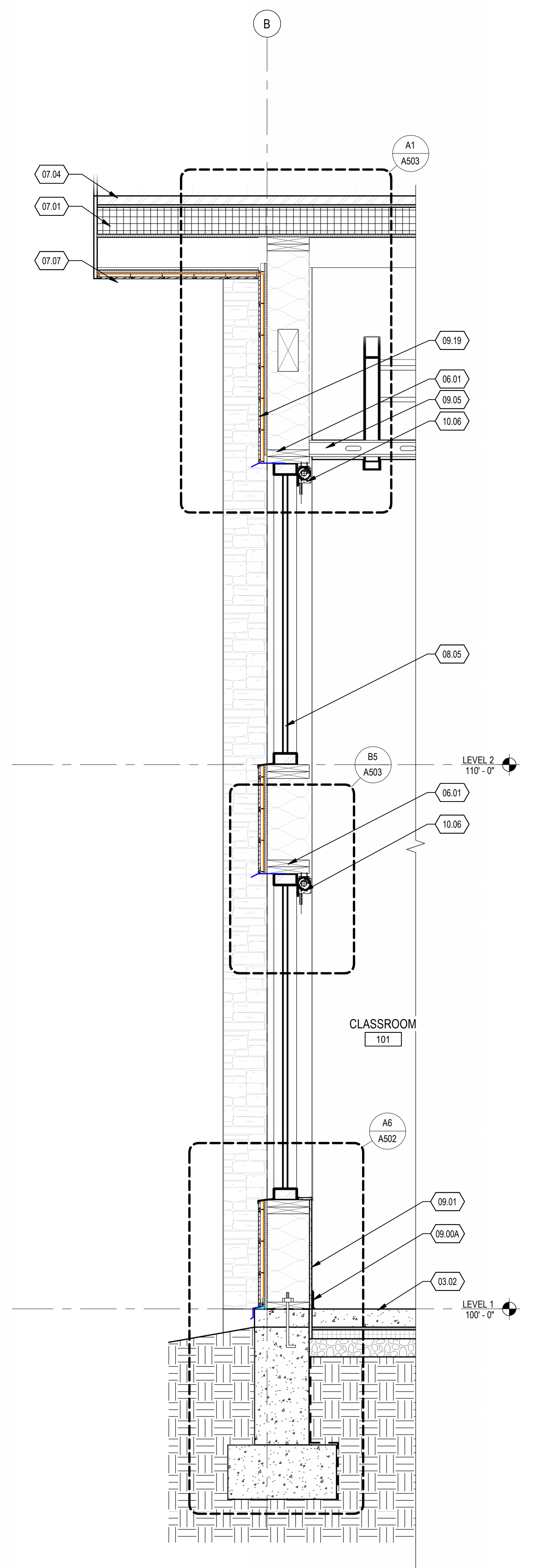
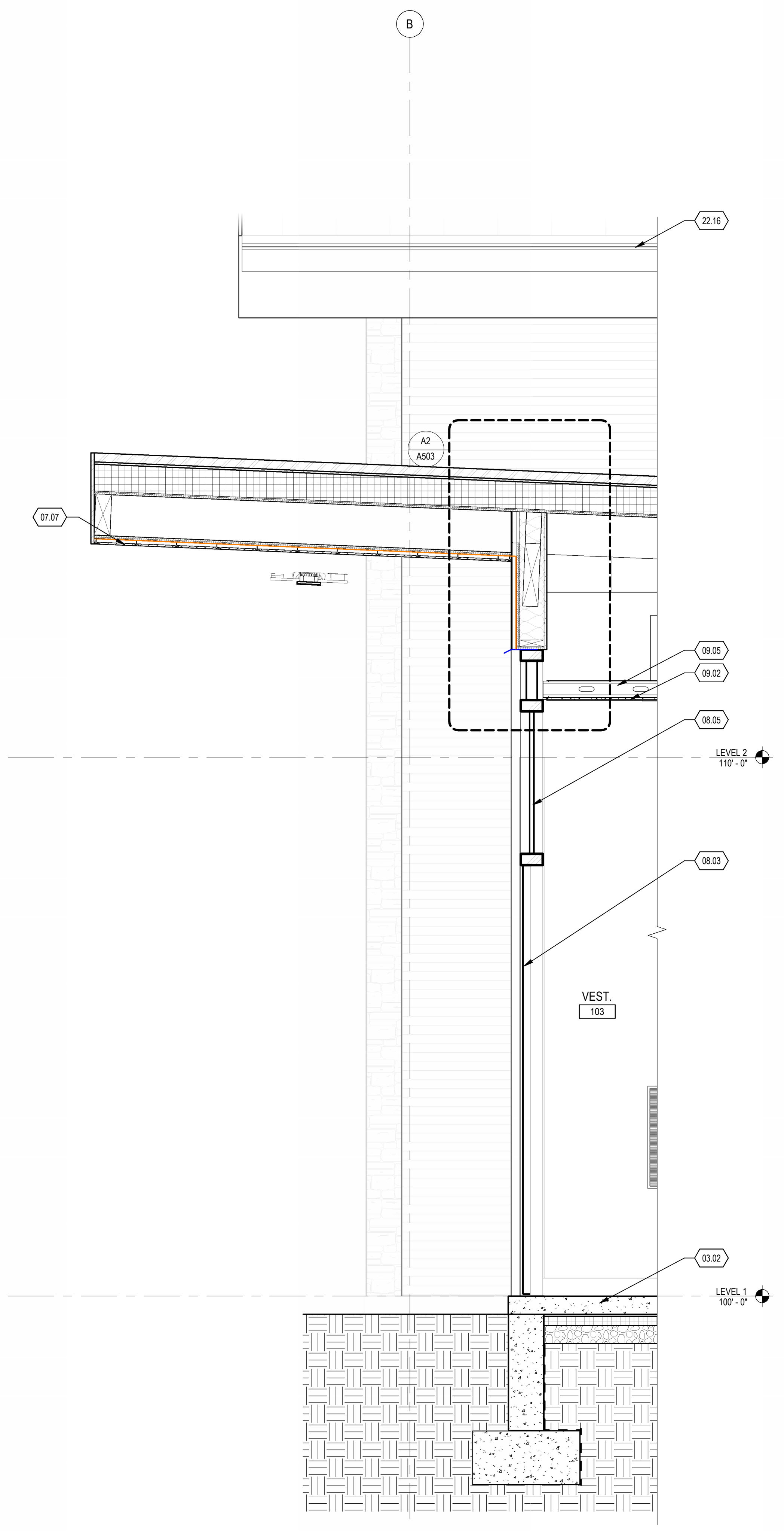
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**WALL SECTIONS**



**A1** WALL SECTION @VEST. 103  
 SCALE: 3/4" = 1'-0"

**A3** WALL SECTION @CLASSROOM 101  
 SCALE: 3/4" = 1'-0"

**A5** WALL SECTION @FOYER/ADMIN. ASSISTANT 104 / CLASSROOM 106  
 SCALE: 3/4" = 1'-0"



5/09/2024 9:22:16 a.m.

REFERENCE NOTES

- 03.02 CONCRETE FLOOR
- 04.04 STONE ANCHOR BY STONE INSTALLER
- 06.01 2 X WOOD FRAMING
- 07.01 RIGID ROOF INSULATION
- 07.04 STANDING SEAM METAL ROOF
- 07.10 PREFINISHED METAL PARAPET CAP
- 08.05 WINDOW, SEE WINDOW SCHEDULE
- 09.00A SCHEDULED WALL BASE
- 09.02 SCHEDULED CEILING, SEE REFLECTED CEILING PLANS
- 09.05 3 5/8" METAL STUD
- 09.19 TRESPA PURA, SEE SPECS
- 22.16 GALVANIZED HALF GUTTER, SEE ROOF PLAN FOR DOWNSPOUT LOCATION

**FFKR ARCHITECTS**  
 730 Pacific Avenue - Salt Lake City, Utah 84104  
 O 801.521.6186 - FFKR.COM



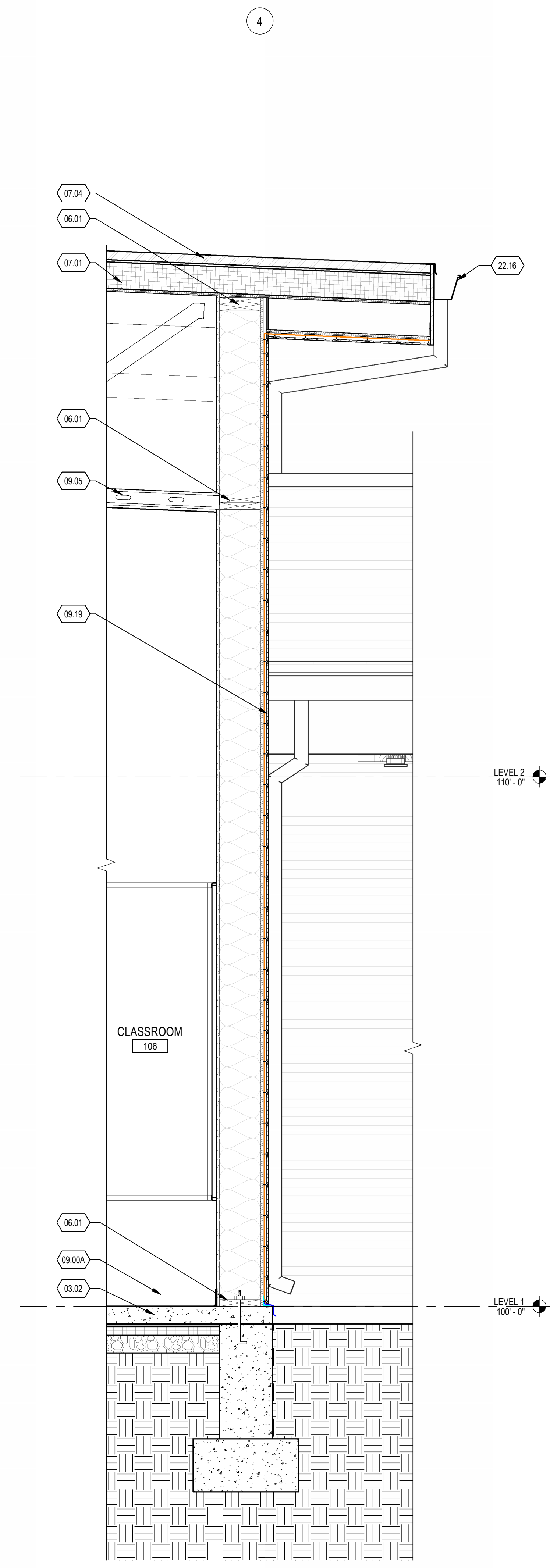
**LOGAN UT SR SEMINARY**  
 110 W. 100 S. Logan, UT 84321 - 5022453  
 The Church of Jesus Christ of Latter-Day Saints  
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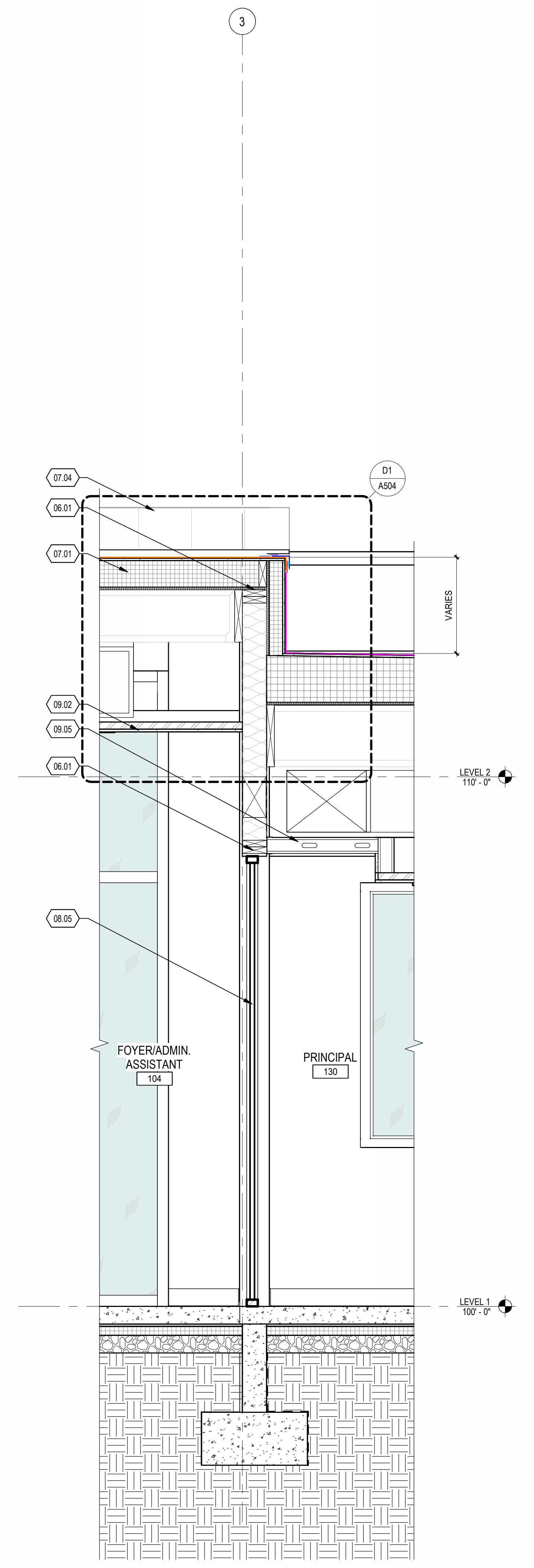
DATE REVISION

PROJECT NUMBER 24003

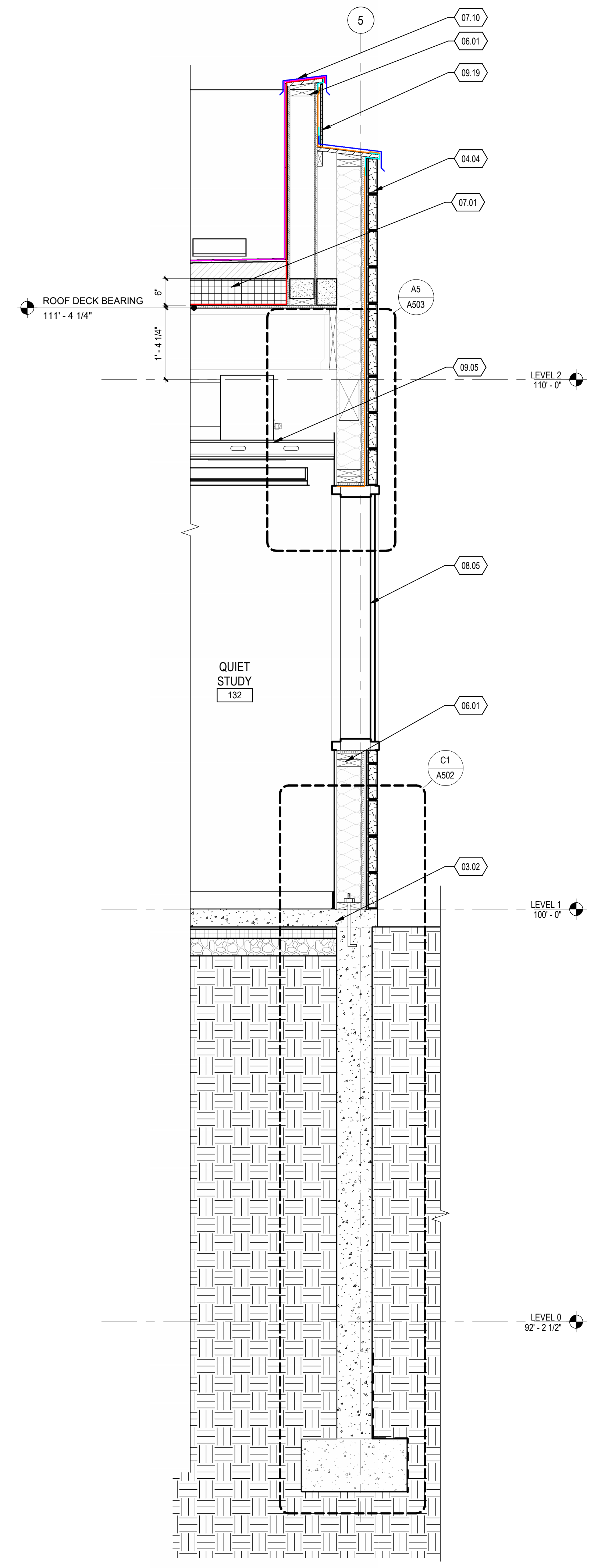
**WALL SECTIONS**



**A1** WALL SECTION @CLASSROOM 106  
 SCALE: 3/4" = 1'-0"



**A3** WALL SECTION @FOYER/ADMIN. ASSISTANT 104 / PRINCIPAL 130  
 SCALE: 3/4" = 1'-0"



**A5** WALL SECTION @QUIET STUDY 132  
 SCALE: 3/4" = 1'-0"

5/09/2024 9:22:18 a.m.

REFERENCE NOTES

- 03.02 CONCRETE FLOOR
- 06.01 2 X WOOD FRAMING
- 06.04 WOOD BLOCKING
- 07.01 RIGID ROOF INSULATION
- 07.04 STANDING SEAM METAL ROOF
- 07.07 TRESPA SOFFIT
- 08.03 SCHEDULED DOOR
- 08.07 SKYFOLD FOLDING WALL SYSTEM WITH FULL WRITABLE SURFACE
- 09.02 SCHEDULED CEILING, SEE REFLECTED CEILING PLANS
- 09.05 3 SIF METAL STUD
- 09.19 TRESPA PURA, SEE SPECS
- 22.16 GALVANIZED HALF GUTTER; SEE ROOF PLAN FOR DOWNSPOUT LOCATION



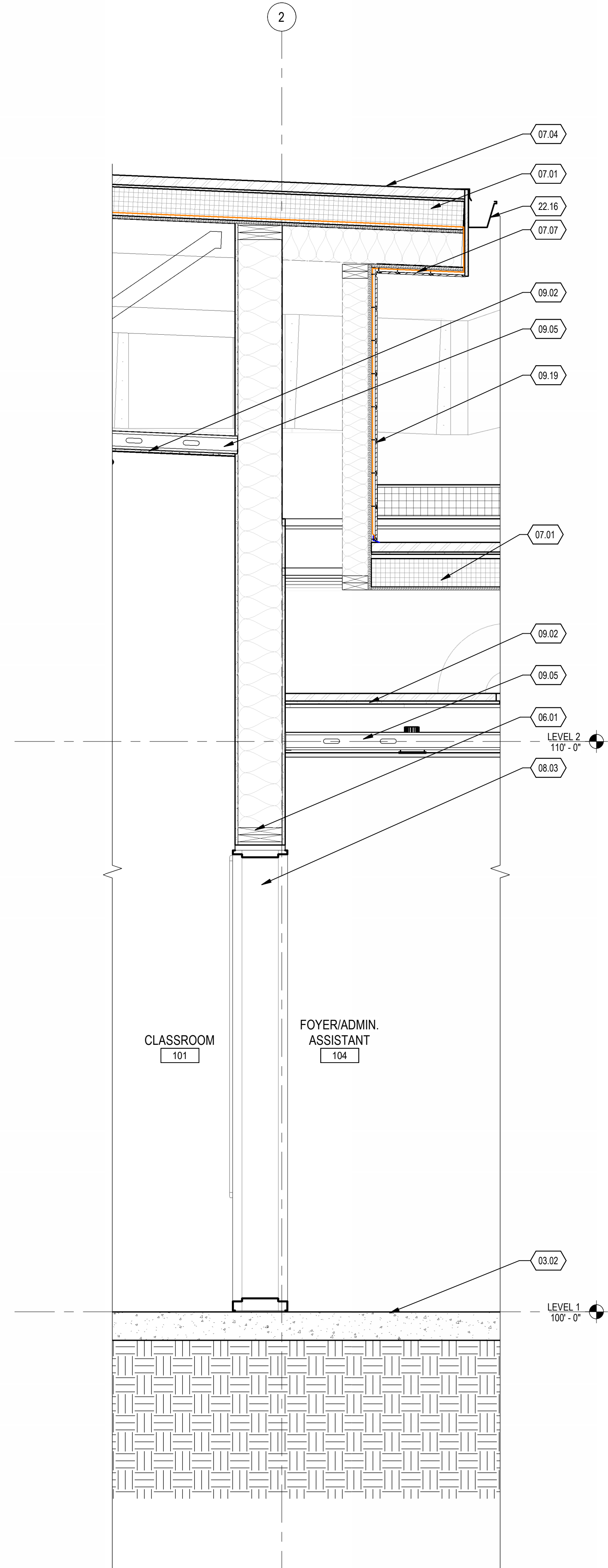
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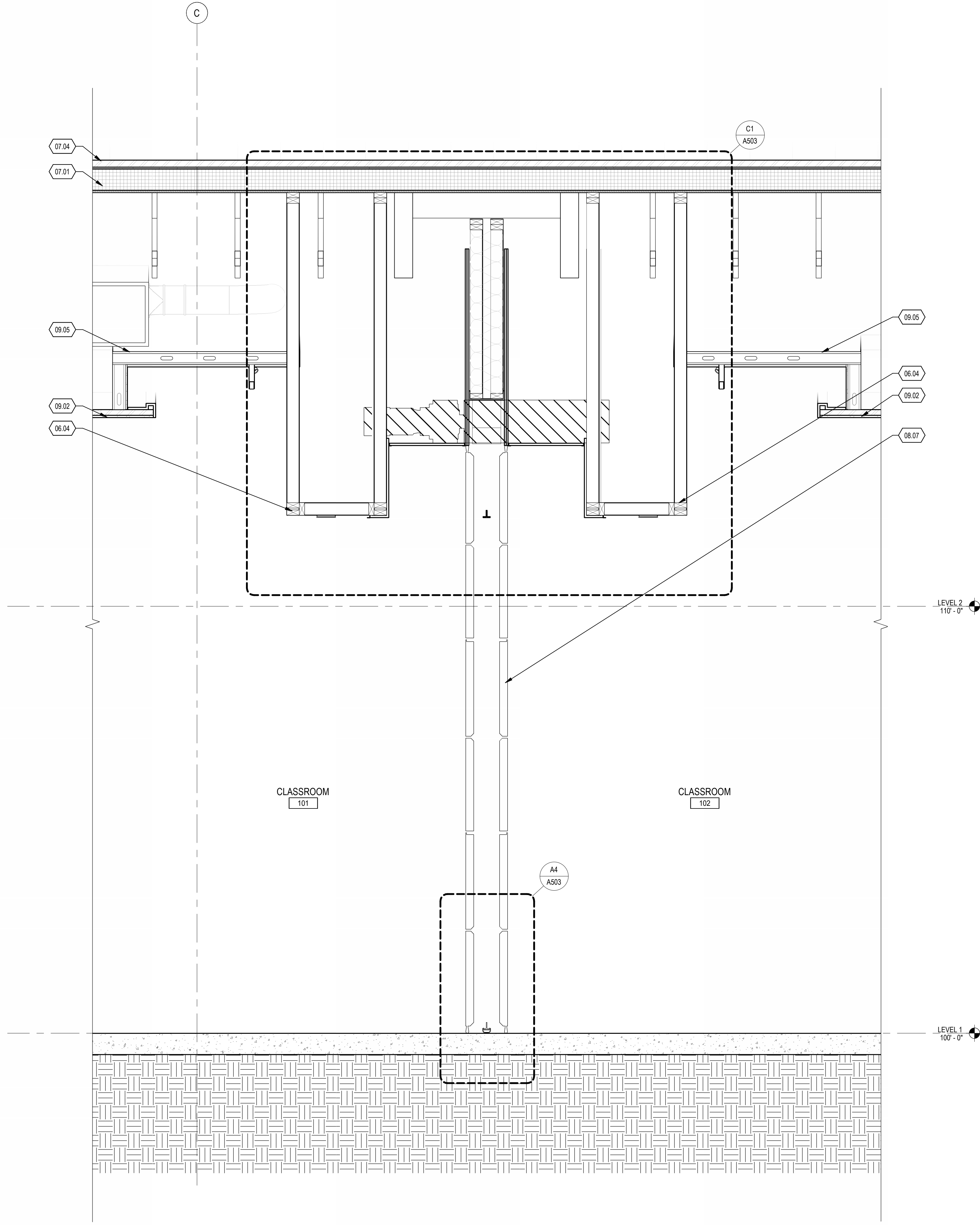
DATE REVISION

PROJECT NUMBER 24003

**WALL SECTIONS**

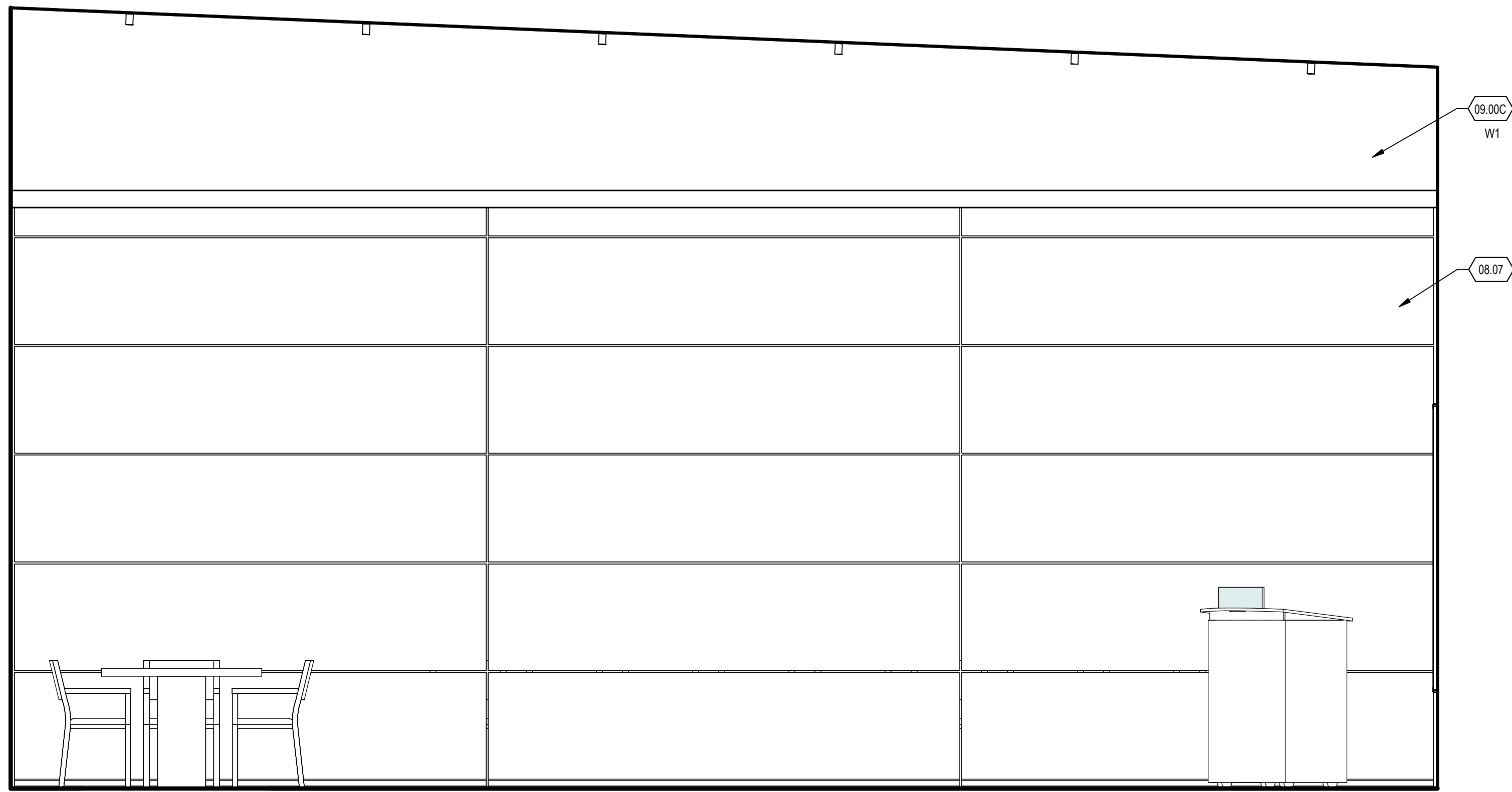


**A2** WALL SECTION FOYER/ADMIN. ASSISTANT / CLASSROOM 101  
 SCALE: 3/4" = 1'-0"

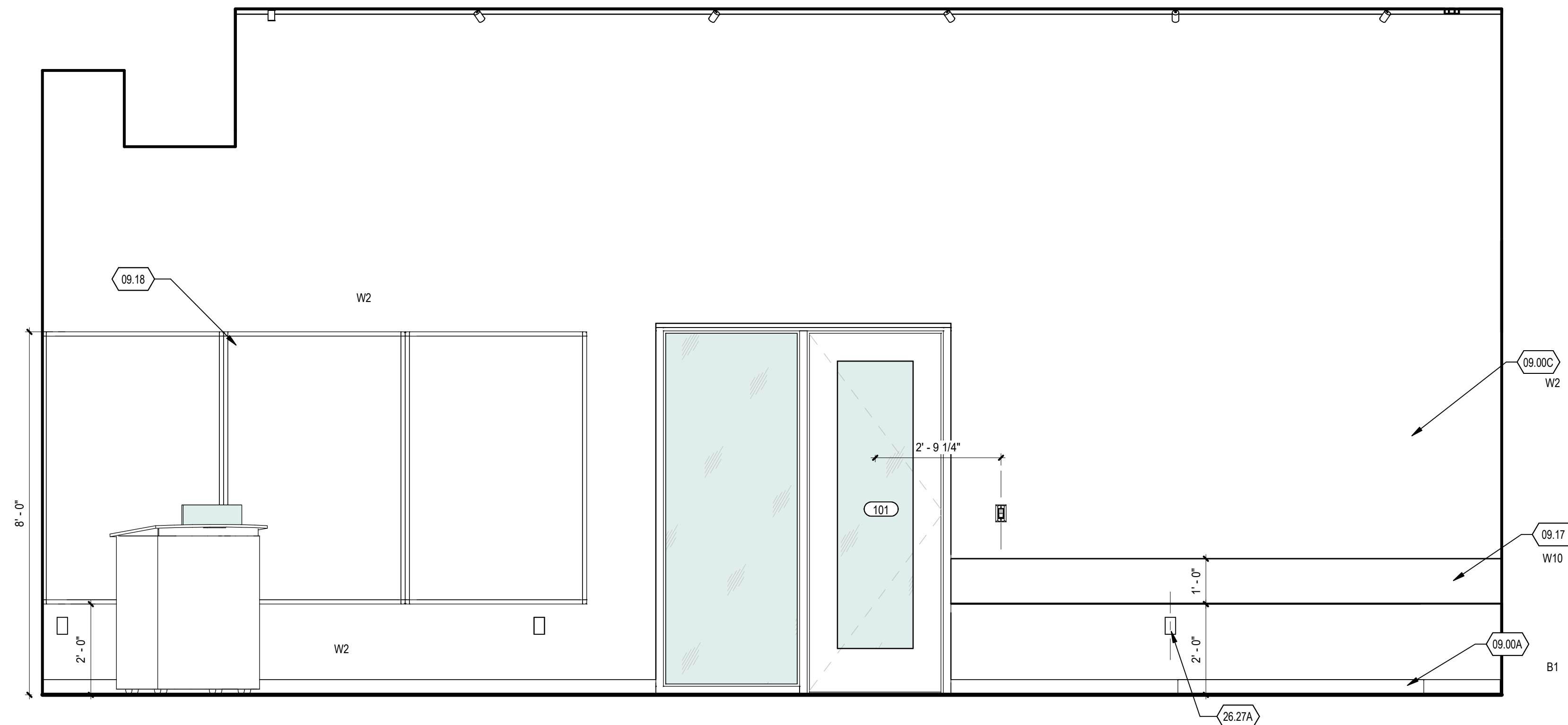


**A4** WALL SECTION @CLASSROOM 101 / CLASSROOM 102  
 SCALE: 3/4" = 1'-0"

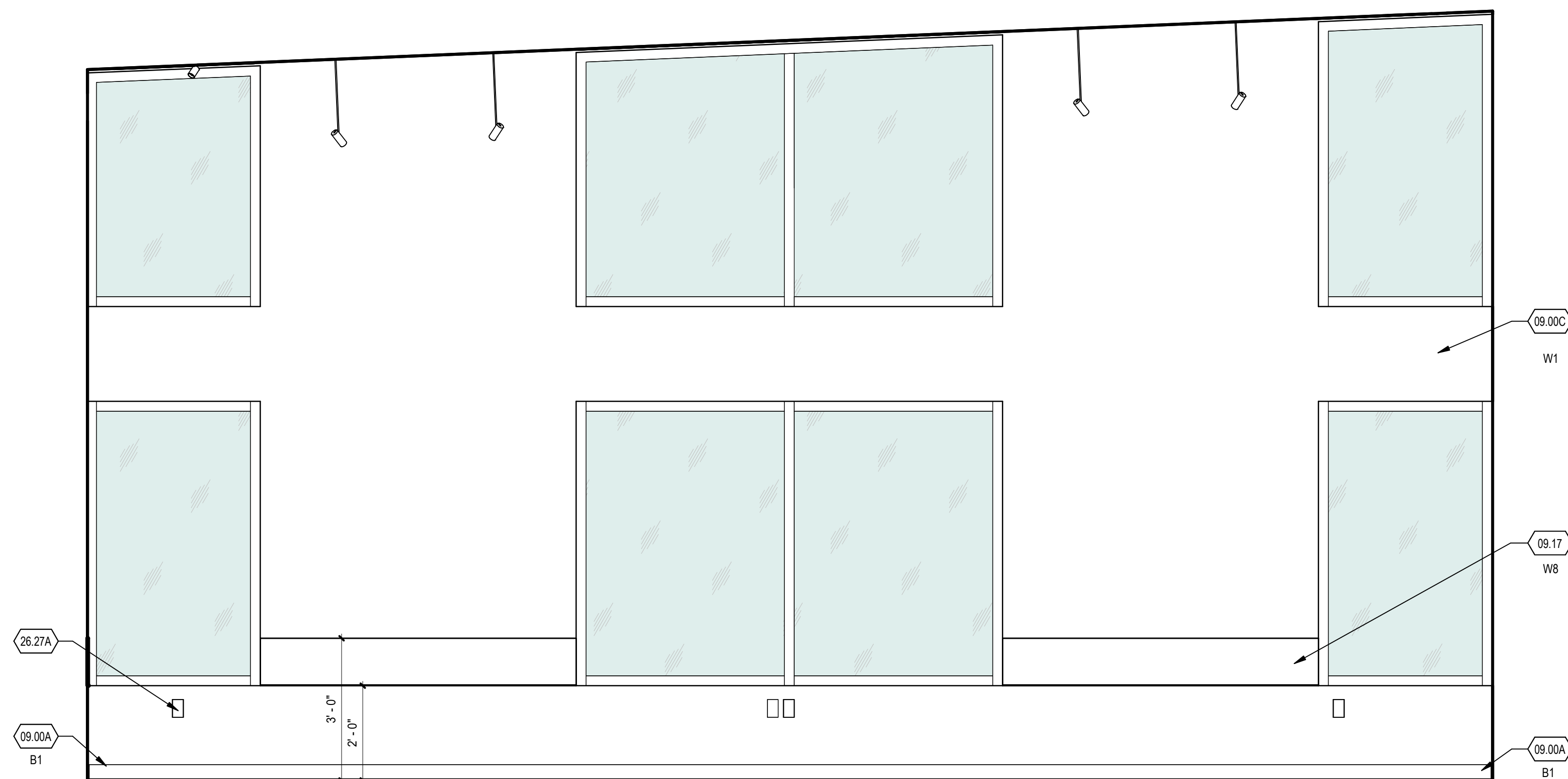
5/09/2024 9:22:20 a.m.



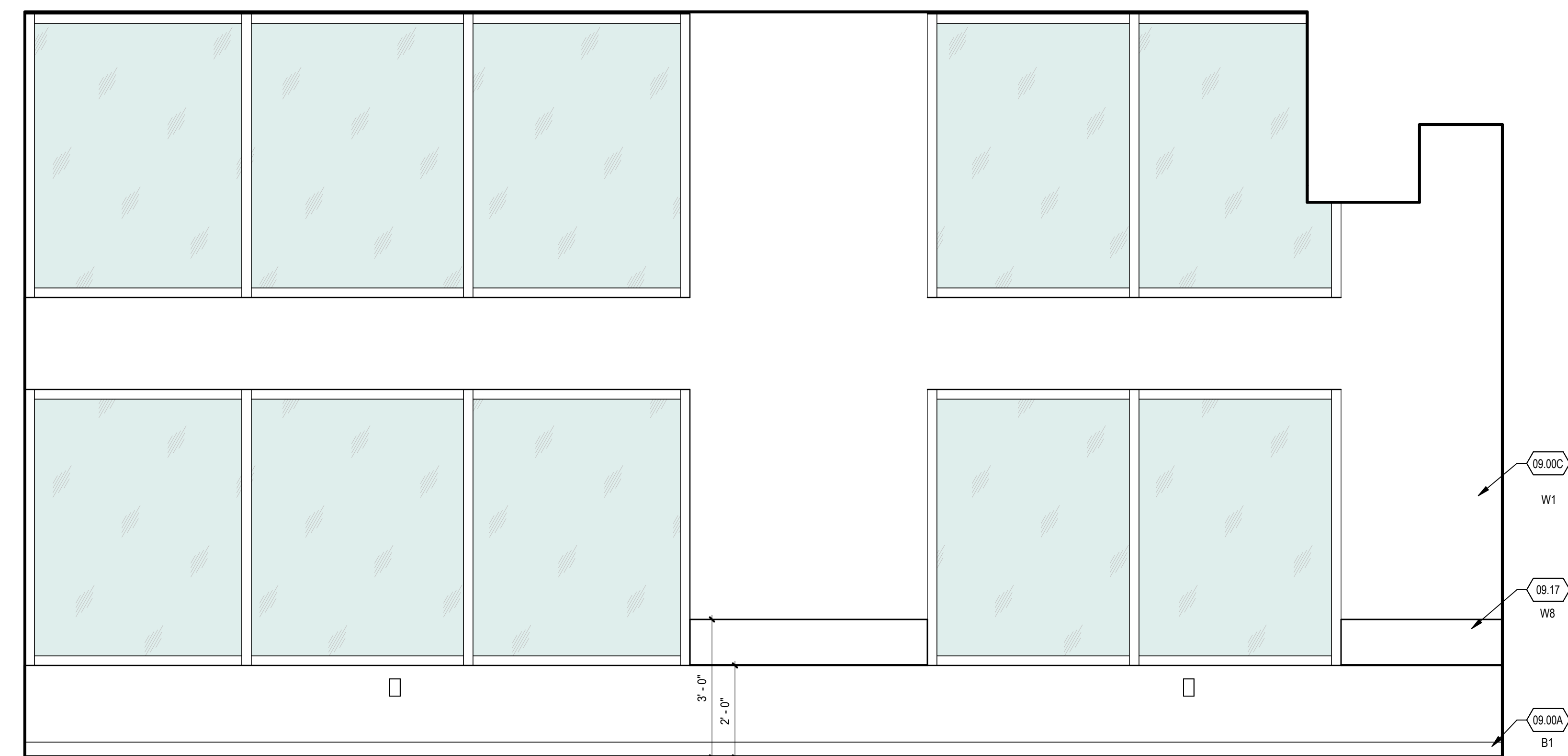
**C1** CLASSROOM 101 - EAST ELEVATION  
SCALE: 1/2" = 1'-0"



**C4** CLASSROOM 101 - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"

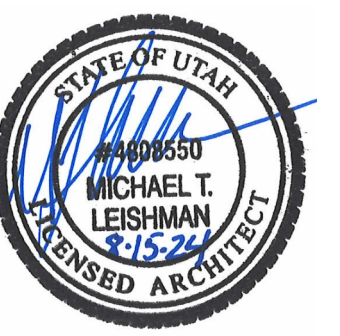


**A1** CLASSROOM 101 - WEST ELEVATION  
SCALE: 1/2" = 1'-0"



**A4** CLASSROOM 101 - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"

- REFERENCE NOTES**
- 08.07 SKYFIELD FOLDING WALL SYSTEM WITH FULL WRITABLE SURFACE
  - 09.00A SCHEDULED WALL BASE
  - 09.00C PAINTED GYP BOARD
  - 09.17 WALL PROTECTION
  - 09.18 WHITEBOARDS
  - 26.27A DUPLEX ELECTRICAL OUTLET



DATE REVISION

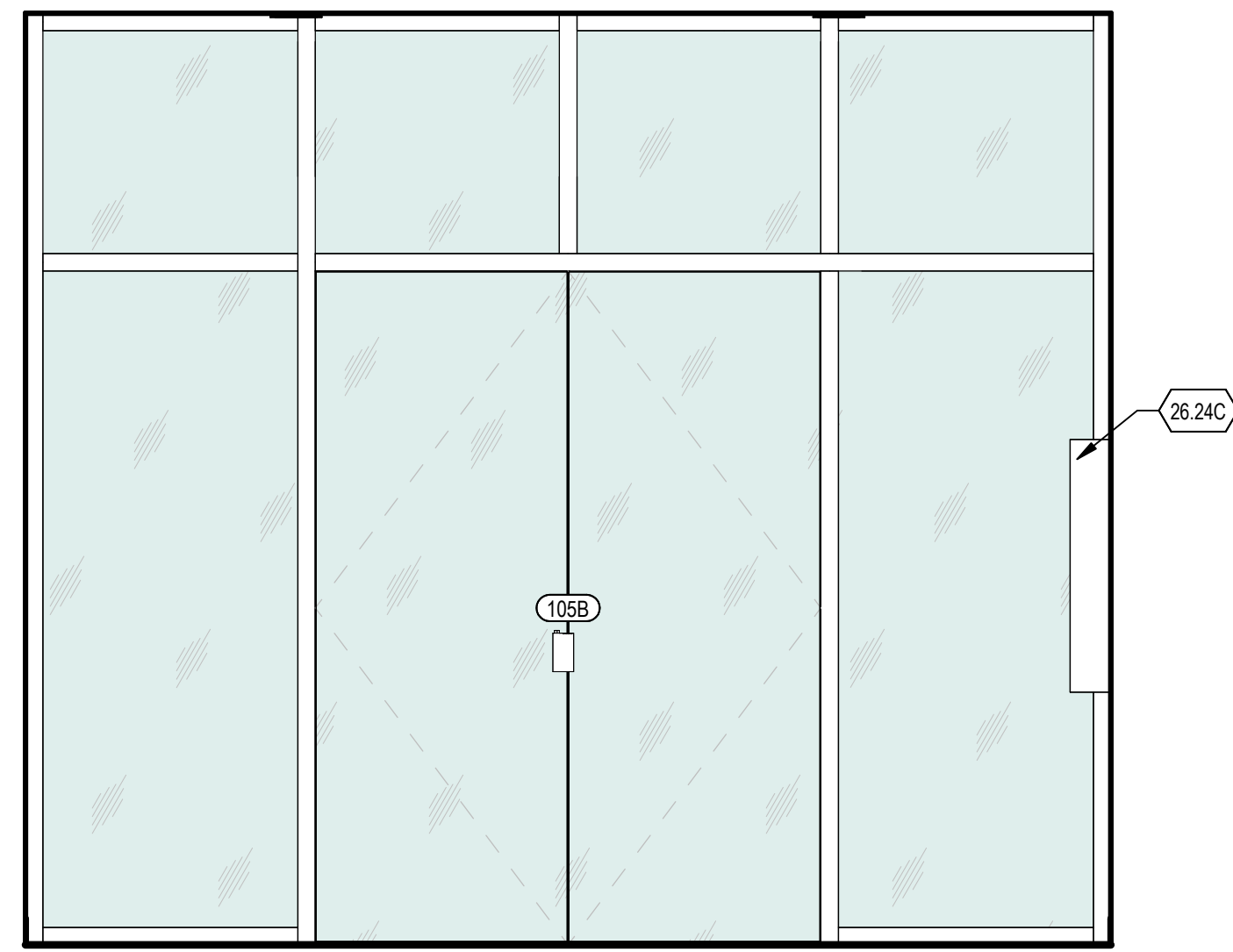
PROJECT NUMBER 24003

**CLASSROOM 101 - INT ELEV.**

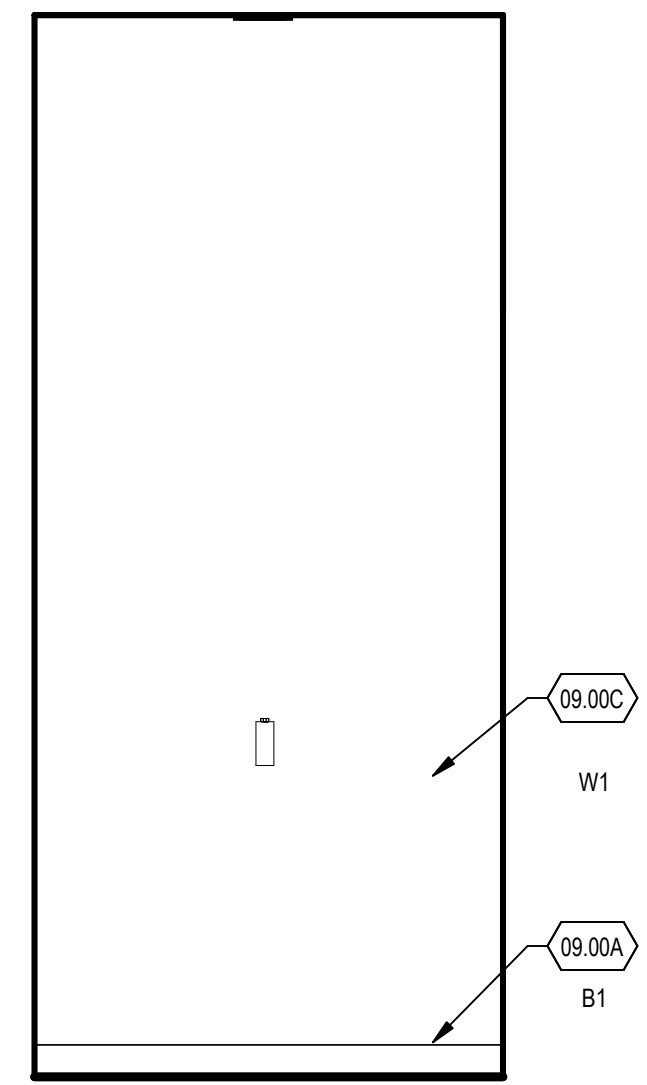
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REFERENCE NOTES

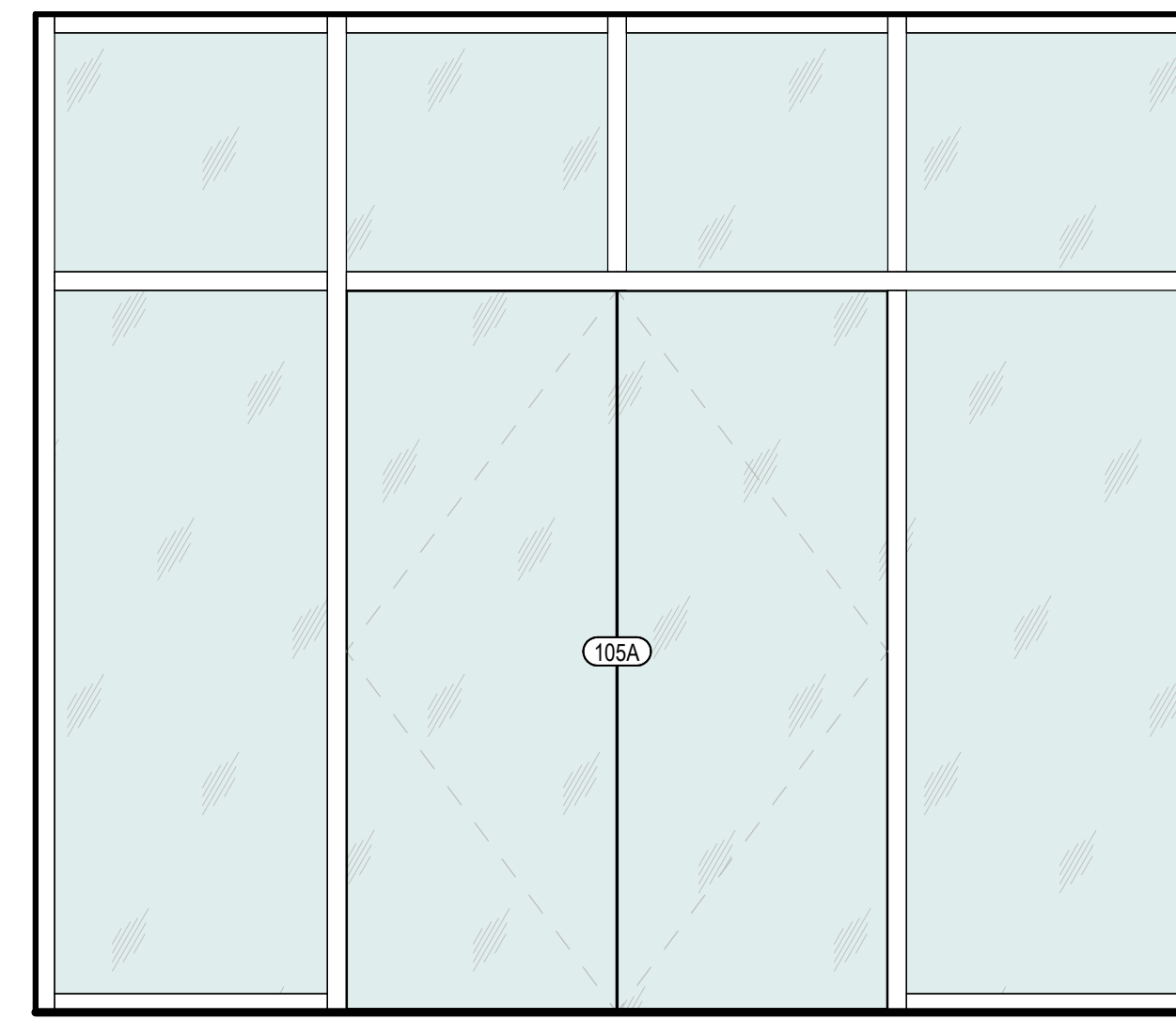
- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 26.24C ELECTRICAL PANEL RE. ELECTRICAL



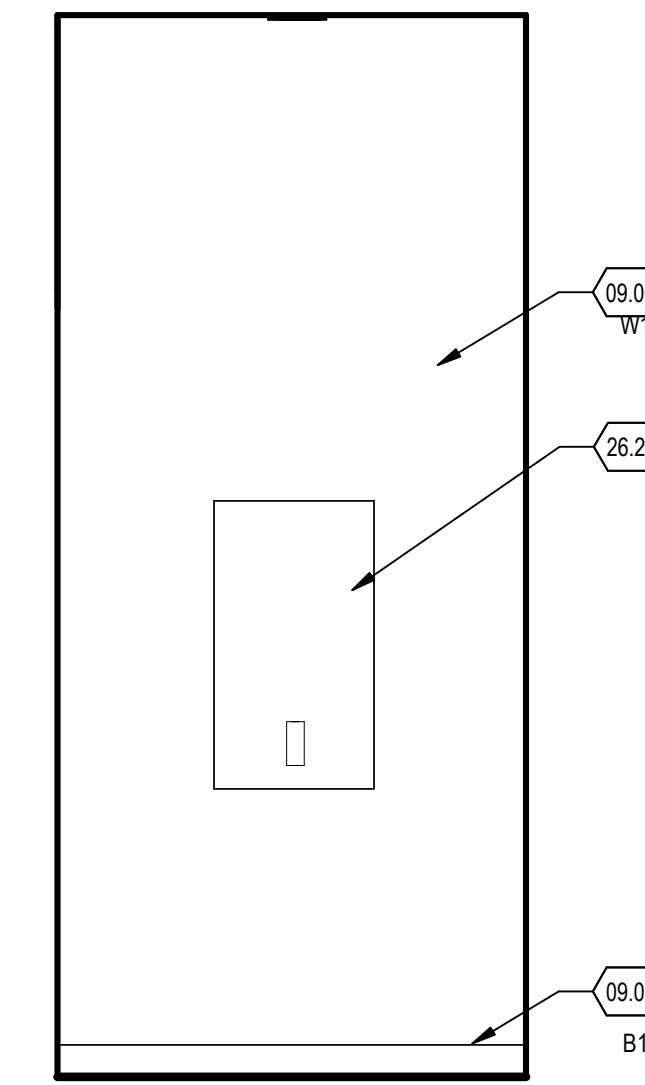
**B1** VEST 105 - WEST ELEVATION  
 SCALE: 1/2" = 1'-0"



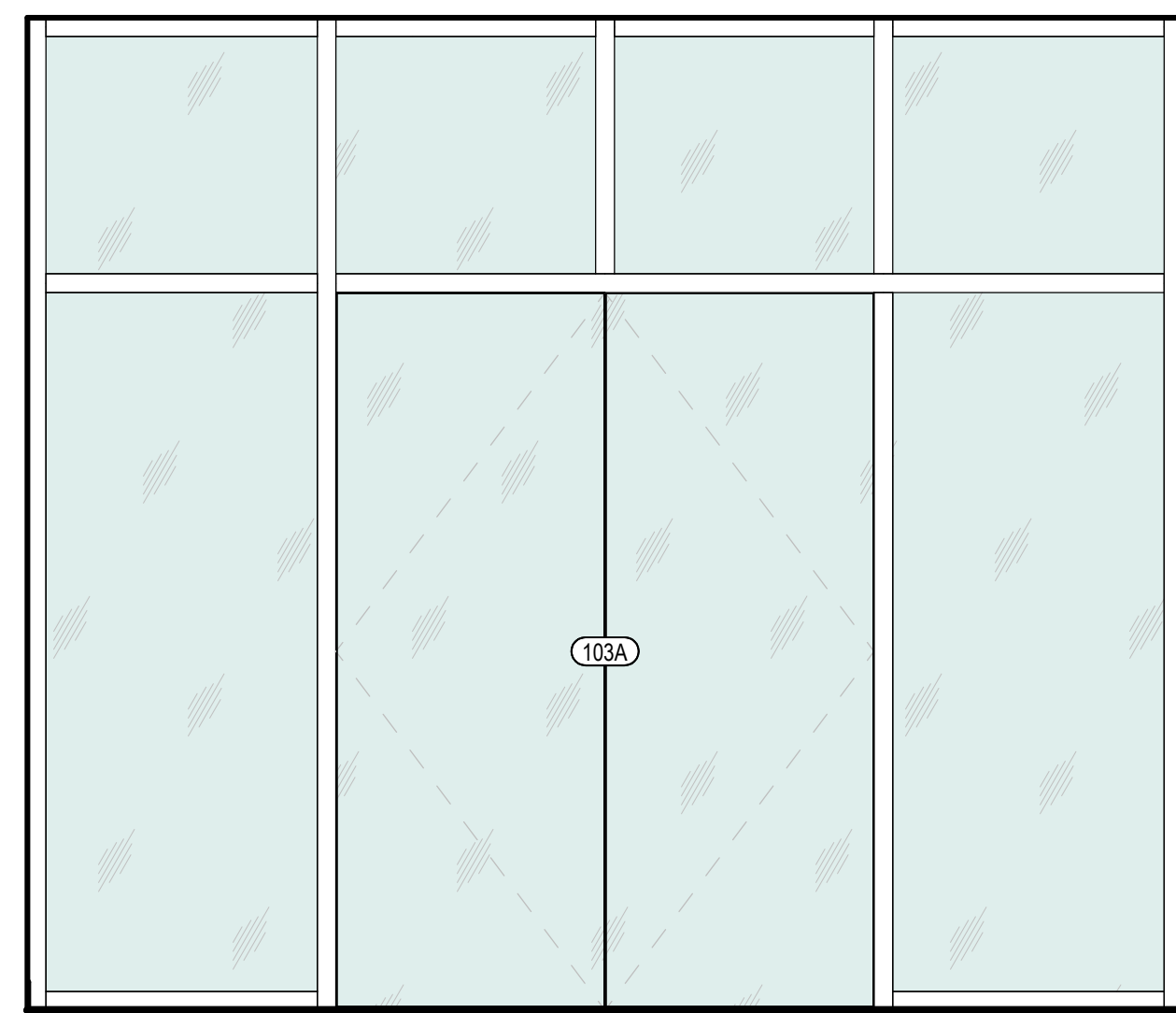
**B2** VEST. 105 - NORTH ELEVATION  
 SCALE: 1/2" = 1'-0"



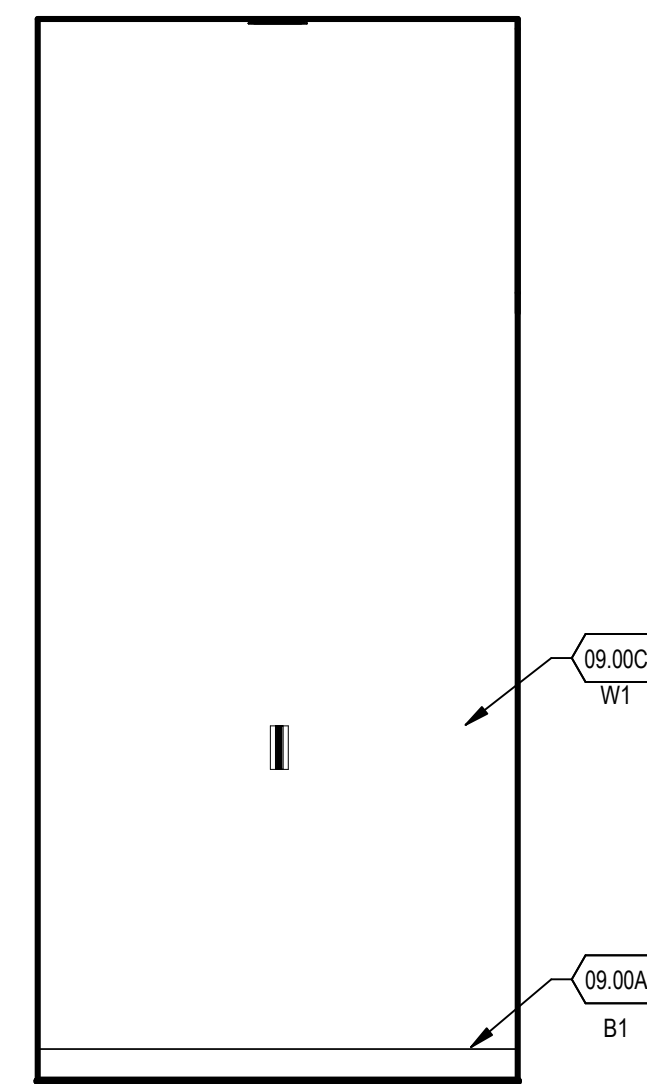
**B4** VEST. 105 - EAST ELEVATION  
 SCALE: 1/2" = 1'-0"



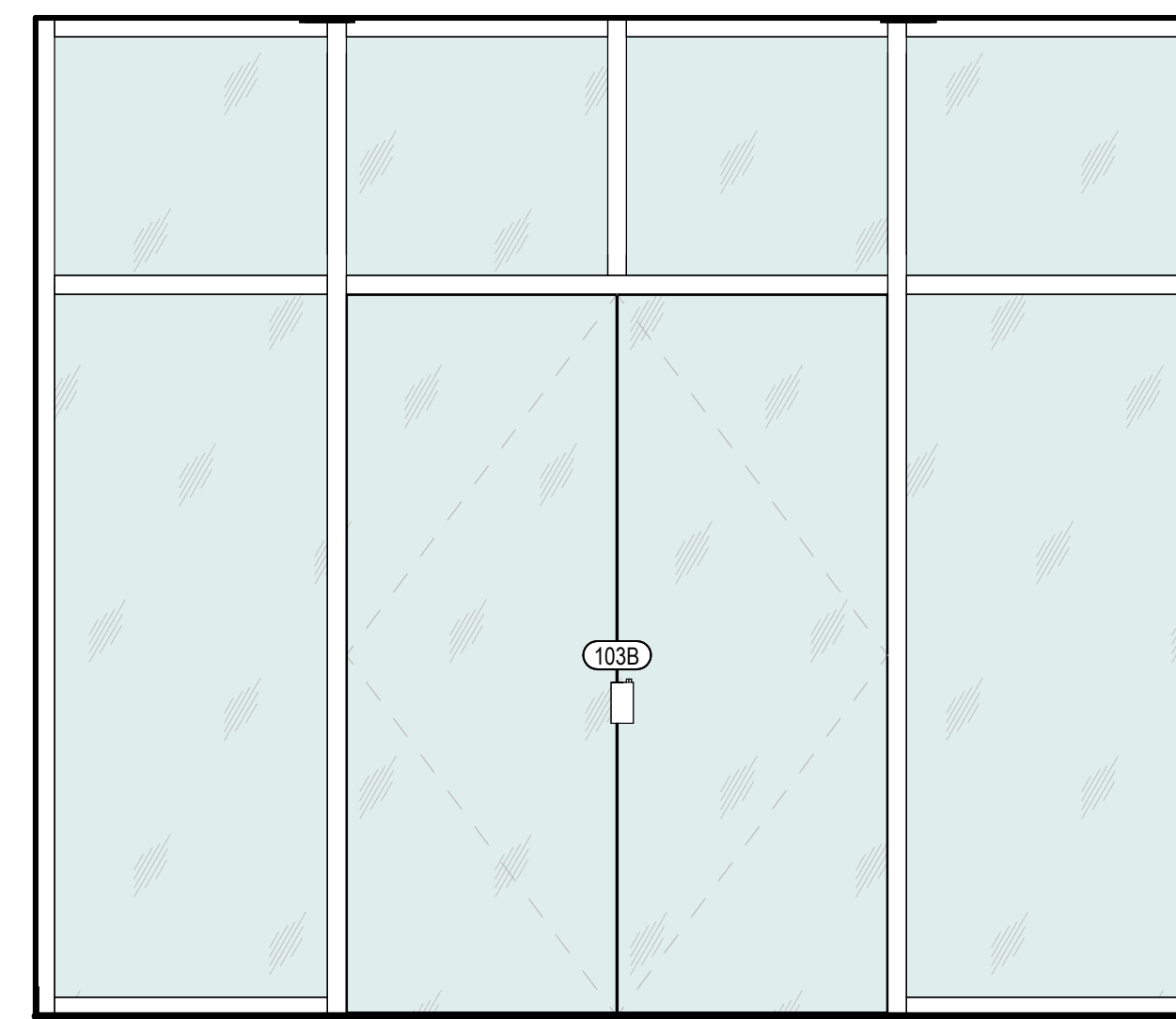
**B5** VEST. 105 - SOUTH ELEVATION  
 SCALE: 1/2" = 1'-0"



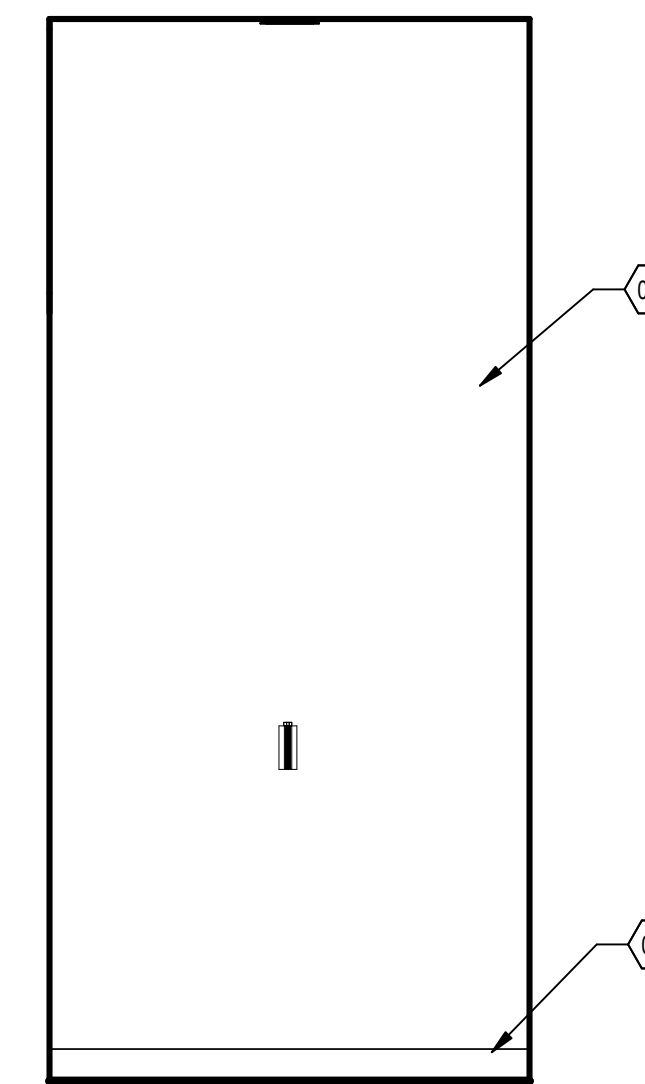
**A1** VEST 103 - WEST ELEVATION  
 SCALE: 1/2" = 1'-0"



**A2** VEST 103 - NORTH ELEVATION  
 SCALE: 1/2" = 1'-0"

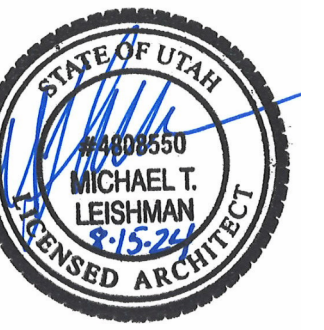


**A4** VEST 103 - EAST ELEVATION  
 SCALE: 1/2" = 1'-0"



**A5** VEST 103 - SOUTH ELEVATION  
 SCALE: 1/2" = 1'-0"

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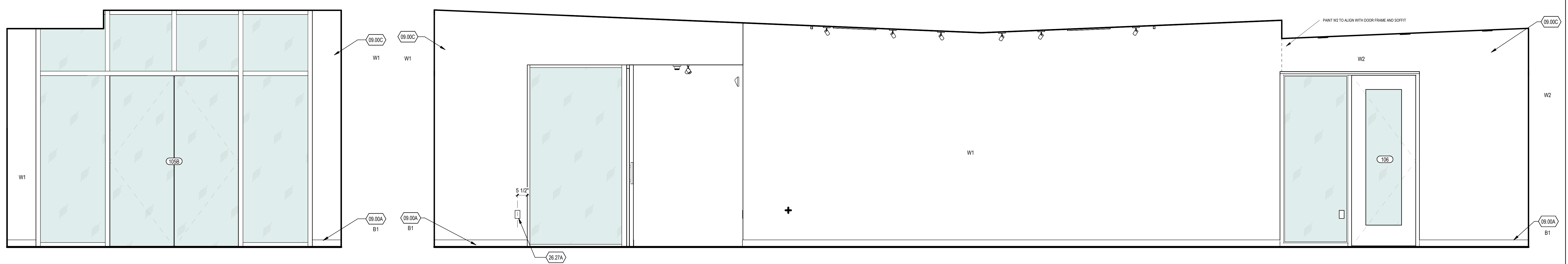
PROJECT NUMBER 24003

VEST. 103  
 & 105 - INT  
 ELEV.

5/09/2024 9:22:22 a.m.

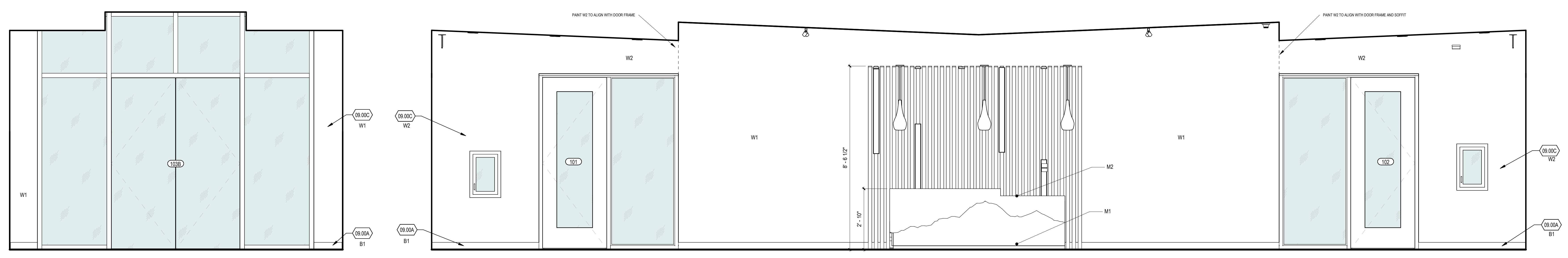
REFERENCE NOTES

- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 26.27A DUPLEX ELECTRICAL OUTLET



**C1** FOYER/ADMIN. ASSISTANT - EAST ELEVATION  
 SCALE: 1/2" = 1'-0"

**C2** FOYER/ADMIN. ASSISTANT - SOUTH ELEVATION  
 SCALE: 1/2" = 1'-0"



**A1** FOYER/ADMIN. ASSISTANT - WEST ELEVATION  
 SCALE: 1/2" = 1'-0"

**A2** FOYER/ADMIN. ASSISTANT - NORTH ELEVATION  
 SCALE: 1/2" = 1'-0"

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FOYER  
 ADMIN.  
 ASSISTANT  
 - INT ELEV.

5/09/2024 9:22:24 a.m.

REFERENCE NOTES

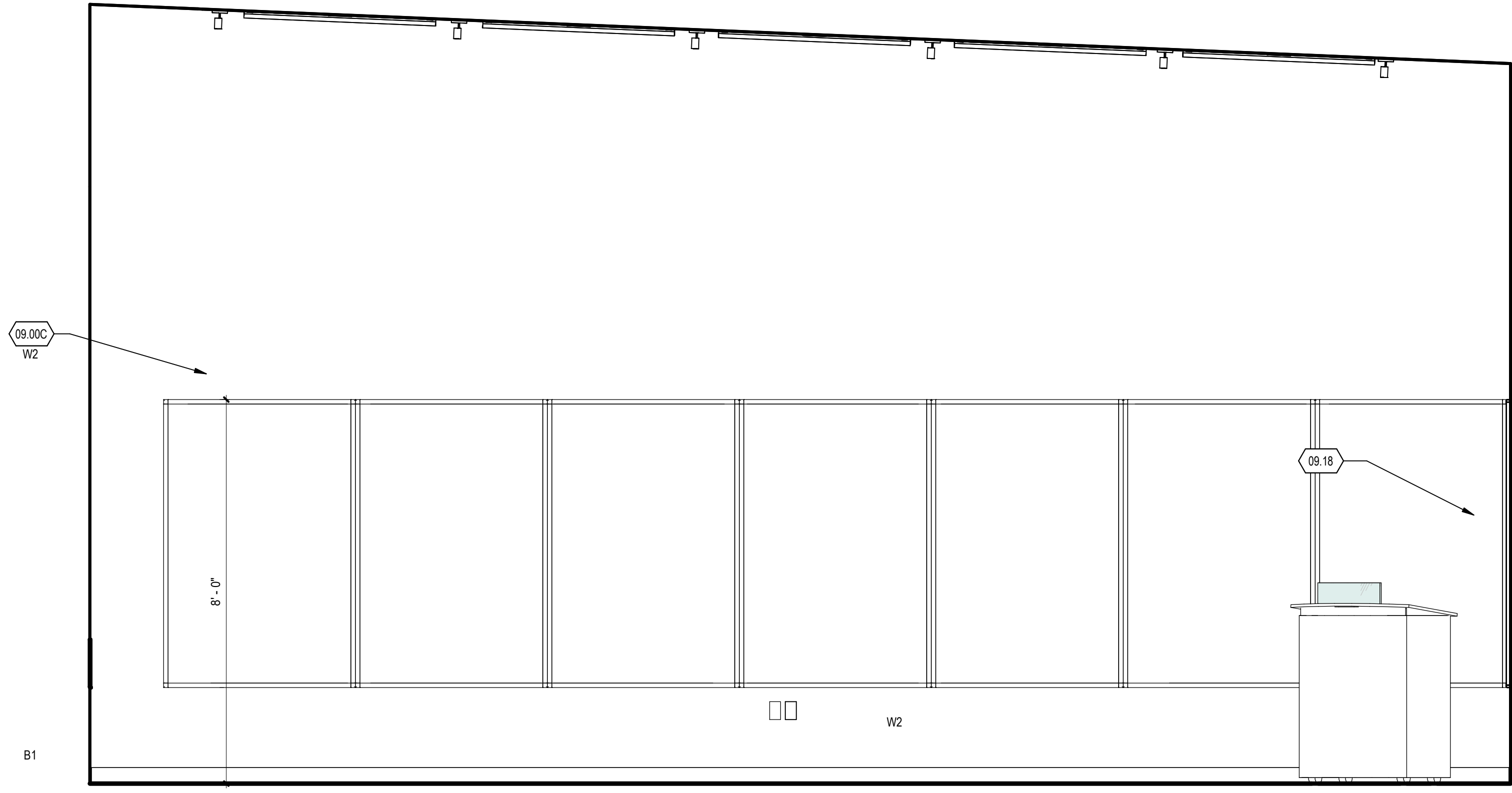
- 09.0A SCHEDULED WALL BASE
- 09.0C PAINTED GYP BOARD
- 09.17 WALL PROTECTION
- 09.18 WHITEBOARDS



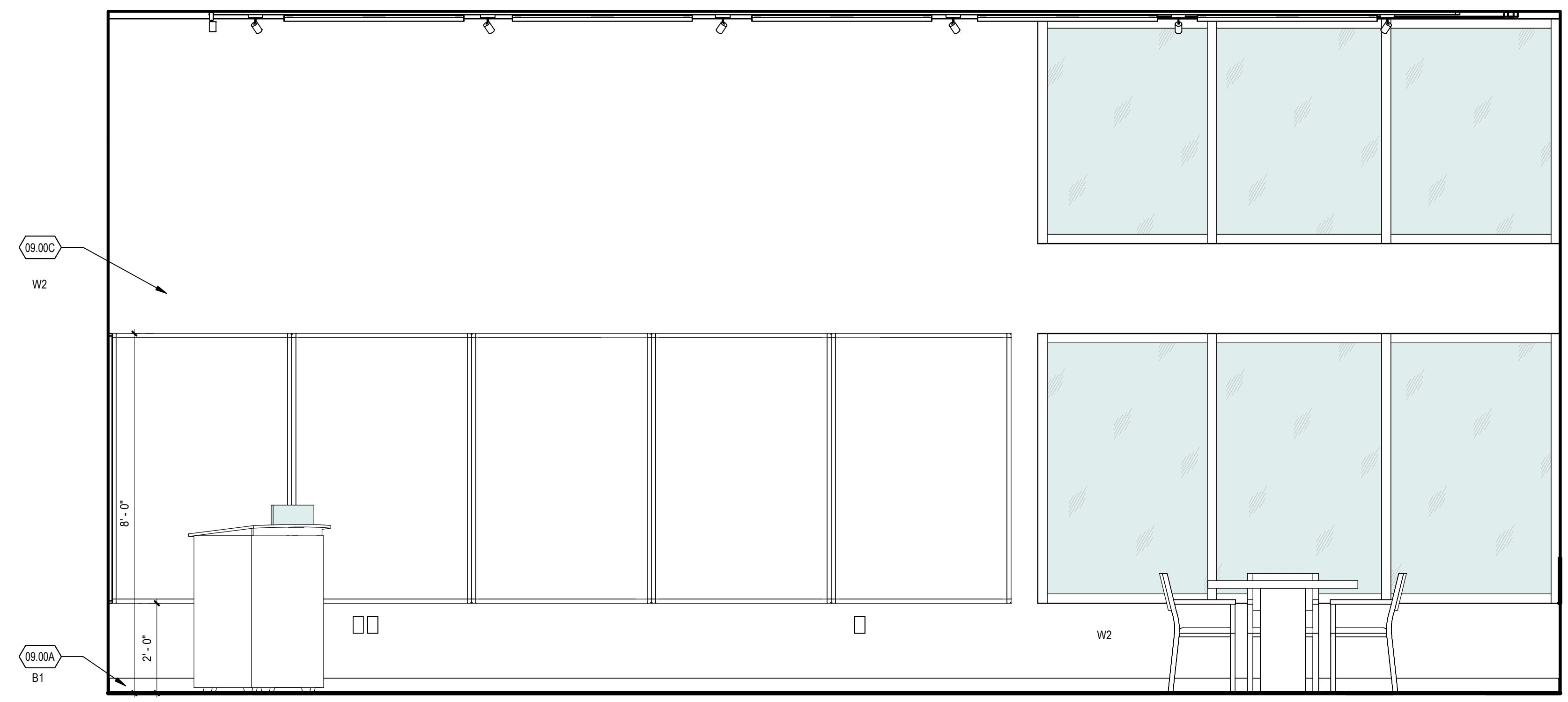
DATE	REVISION

PROJECT NUMBER 24003

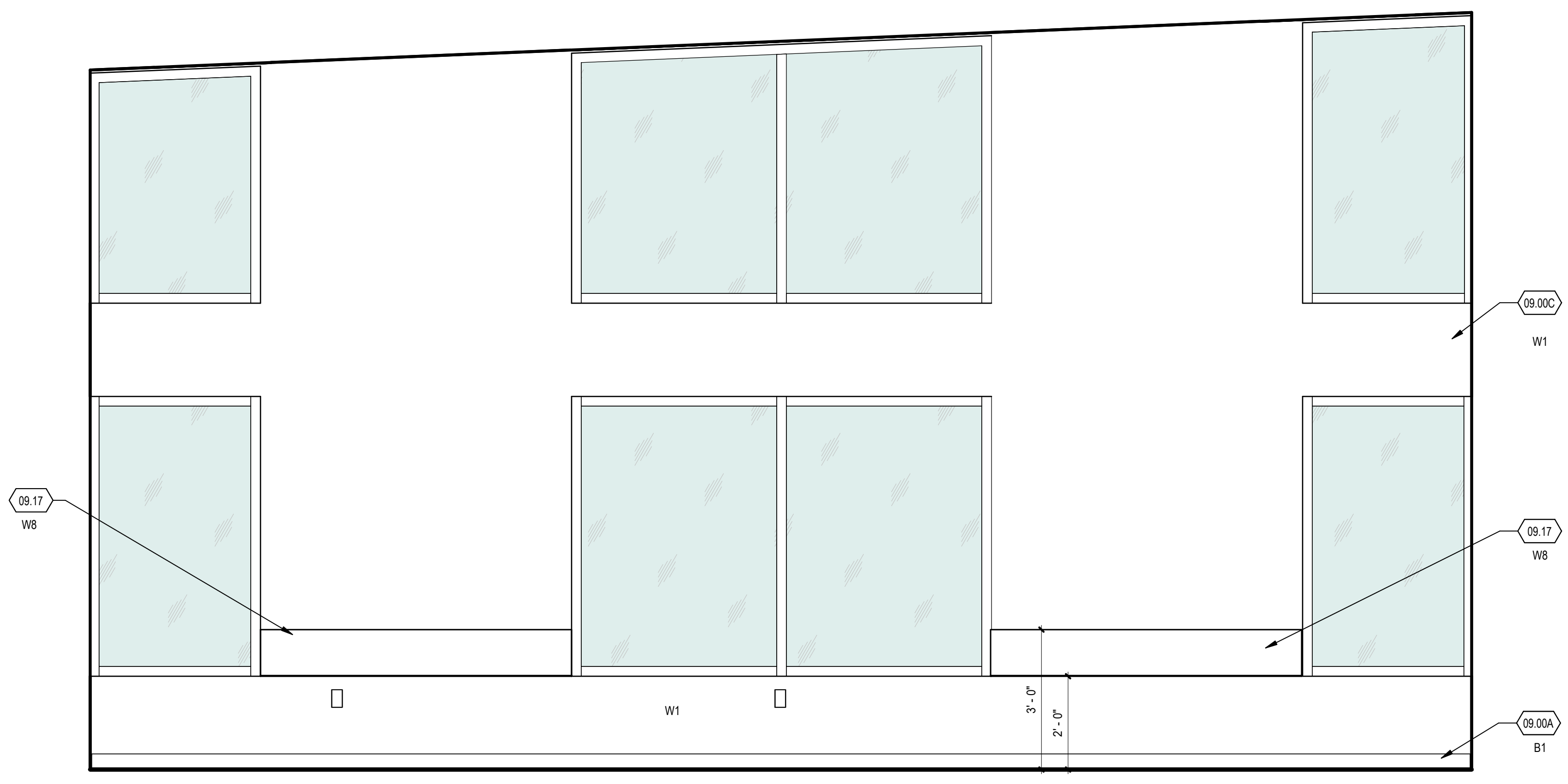
CLASSROOM 106 - INT ELEV.



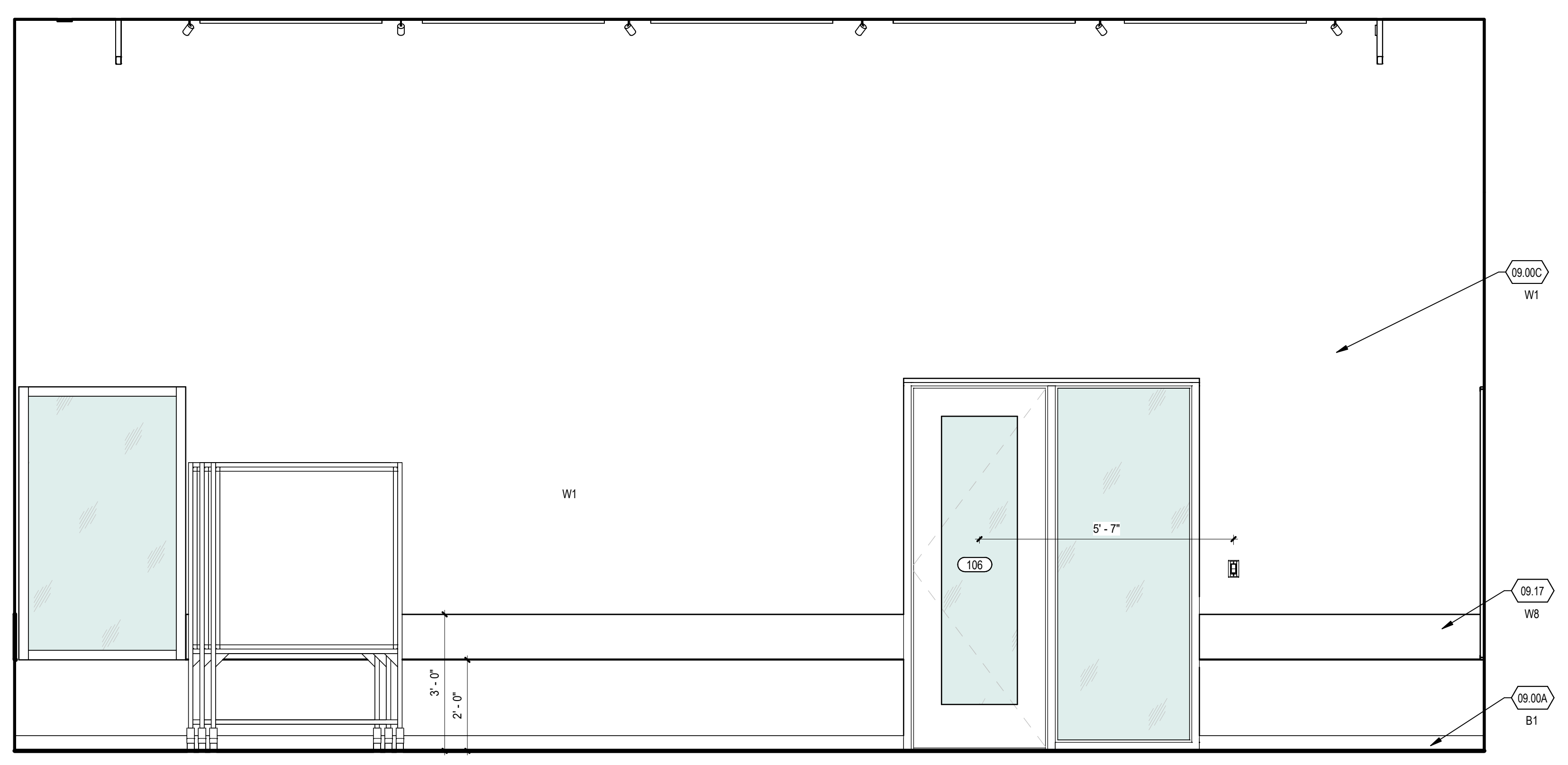
**C1** CLASSROOM 106 - EAST ELEVATION  
 SCALE: 1/2" = 1'-0"



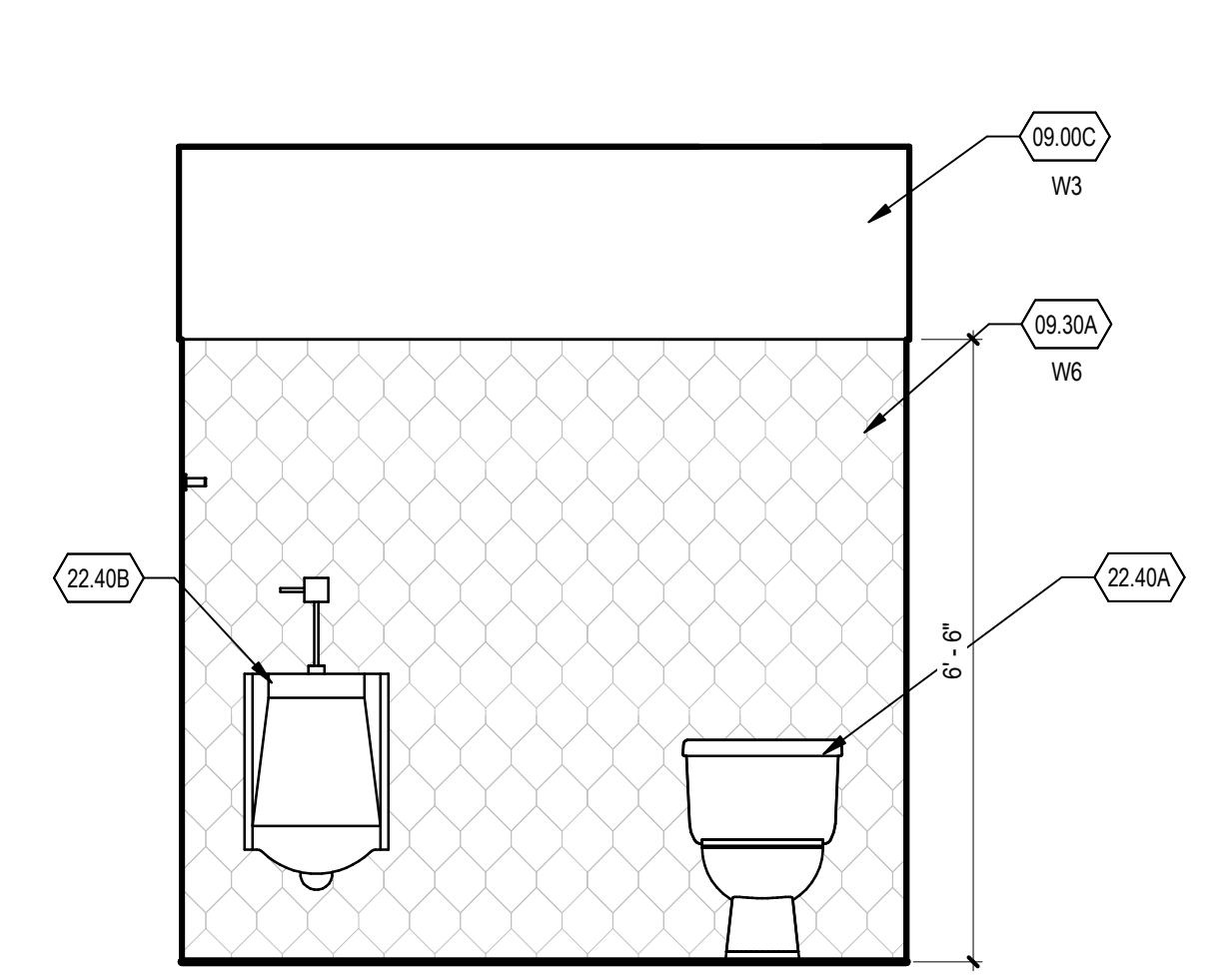
**C4** CLASSROOM 106 - SOUTH ELEVATION  
 SCALE: 1/2" = 1'-0"



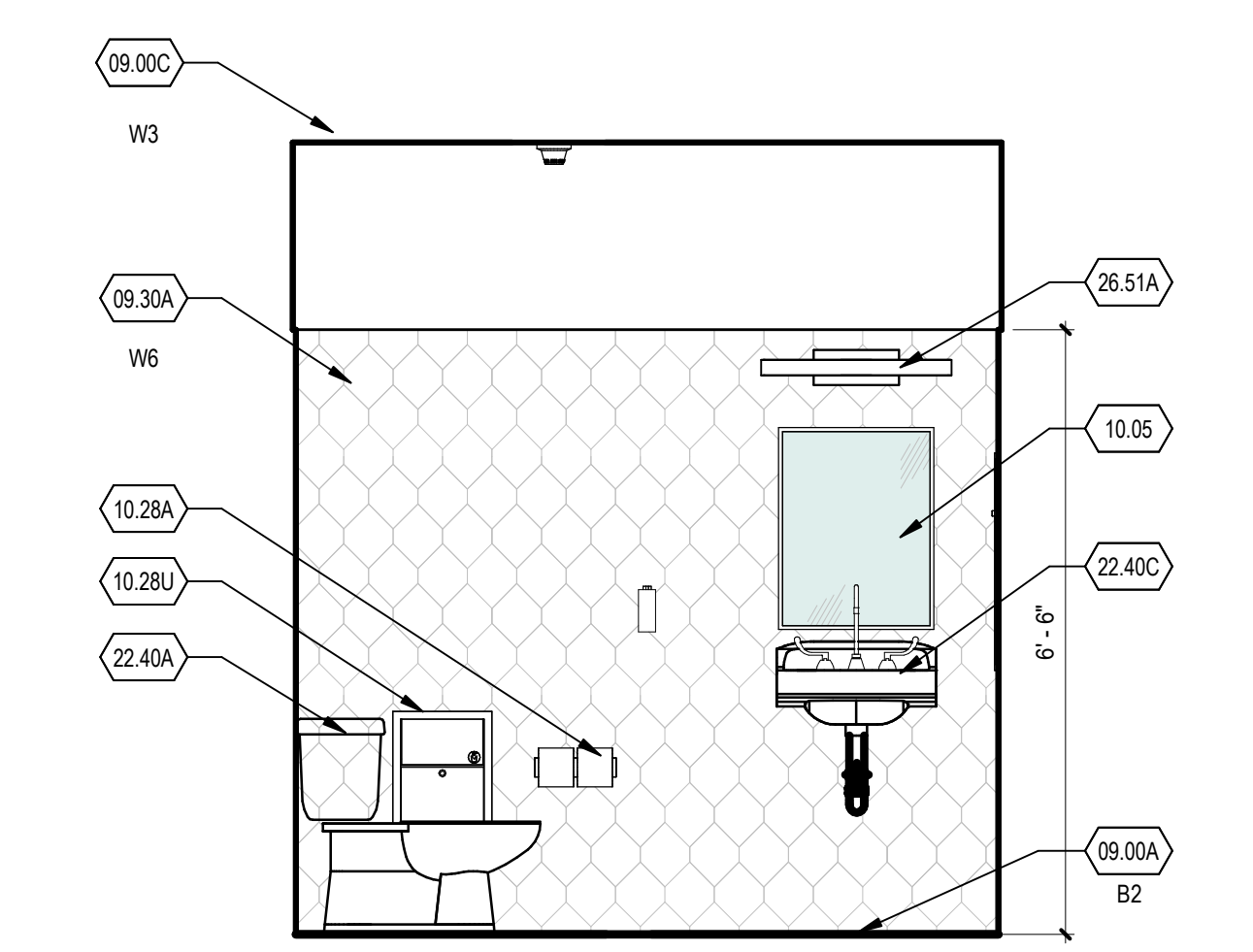
**A1** CLASSROOM 106 - WEST ELEVATION  
 SCALE: 1/2" = 1'-0"



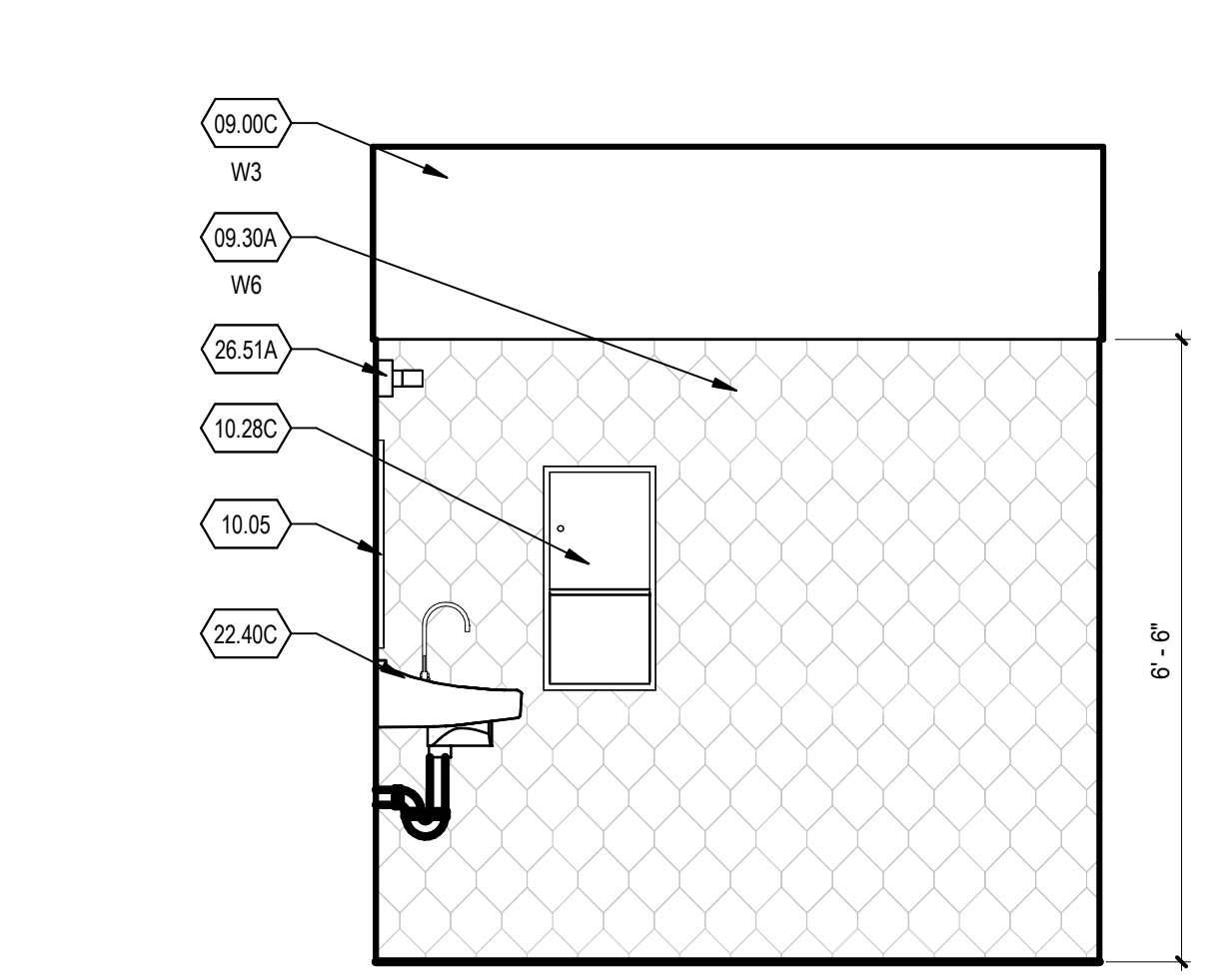
**A4** CLASSROOM 106 - NORTH ELEVATION  
 SCALE: 1/2" = 1'-0"



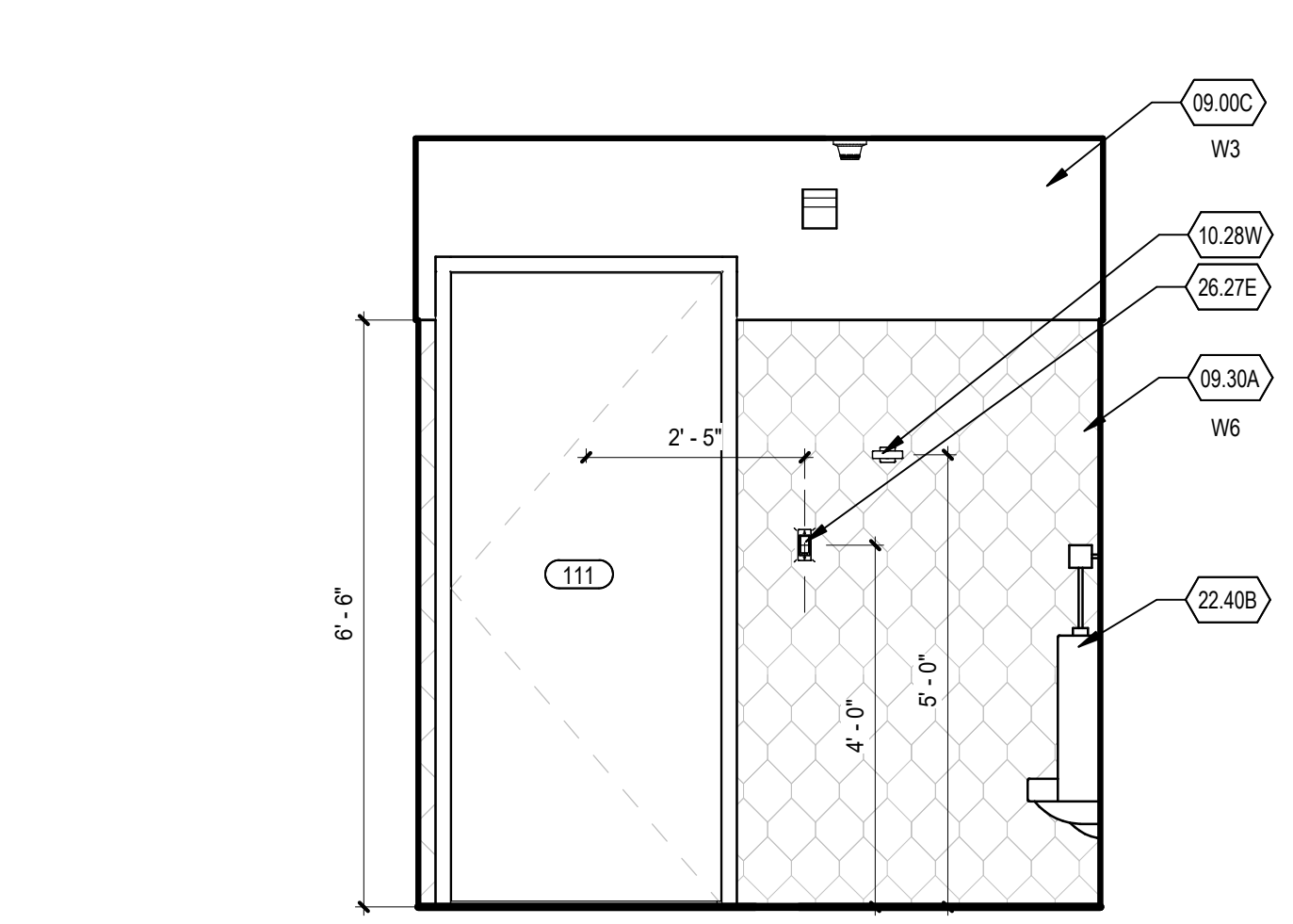
D1 RESTROOM - WEST ELEVATION  
SCALE: 1/2" = 1'-0"



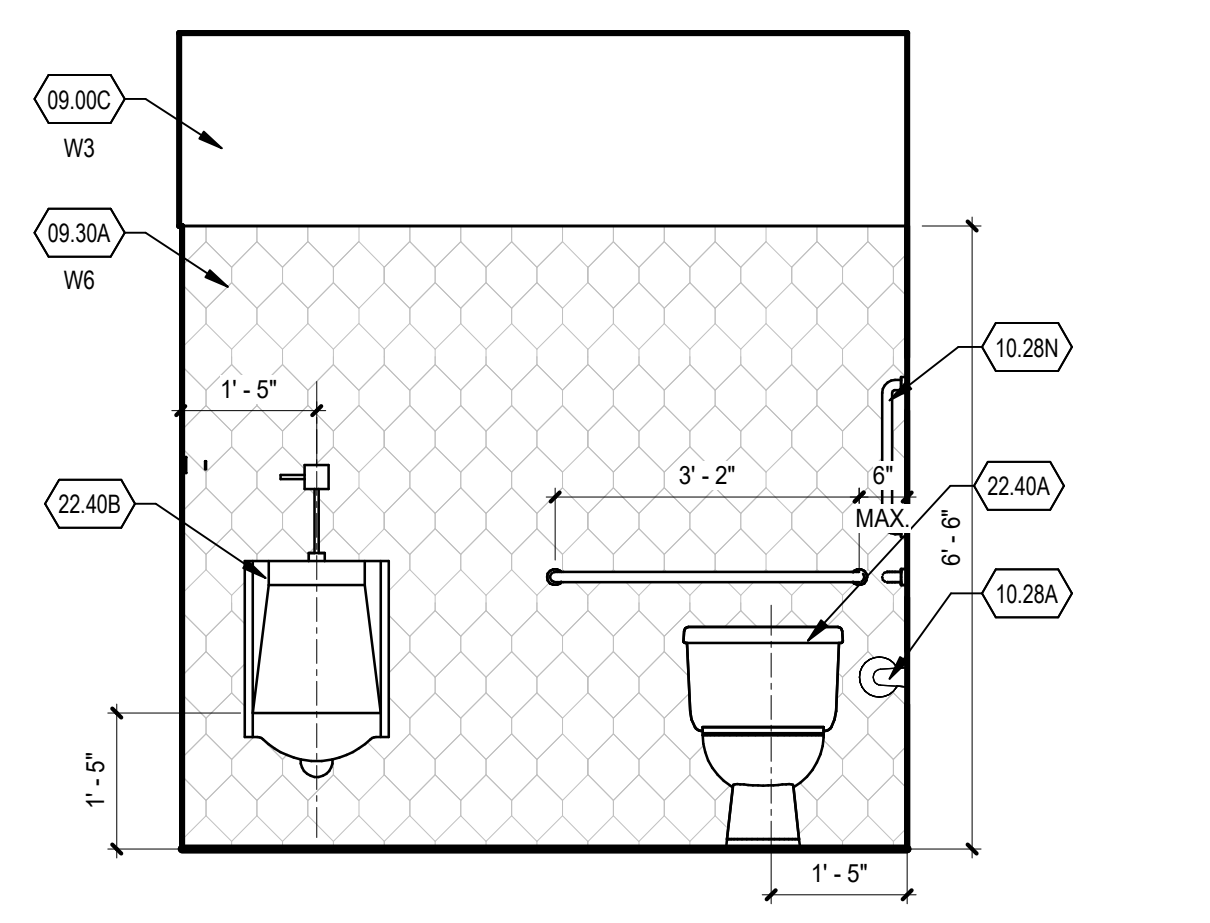
D2 RESTROOM - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"



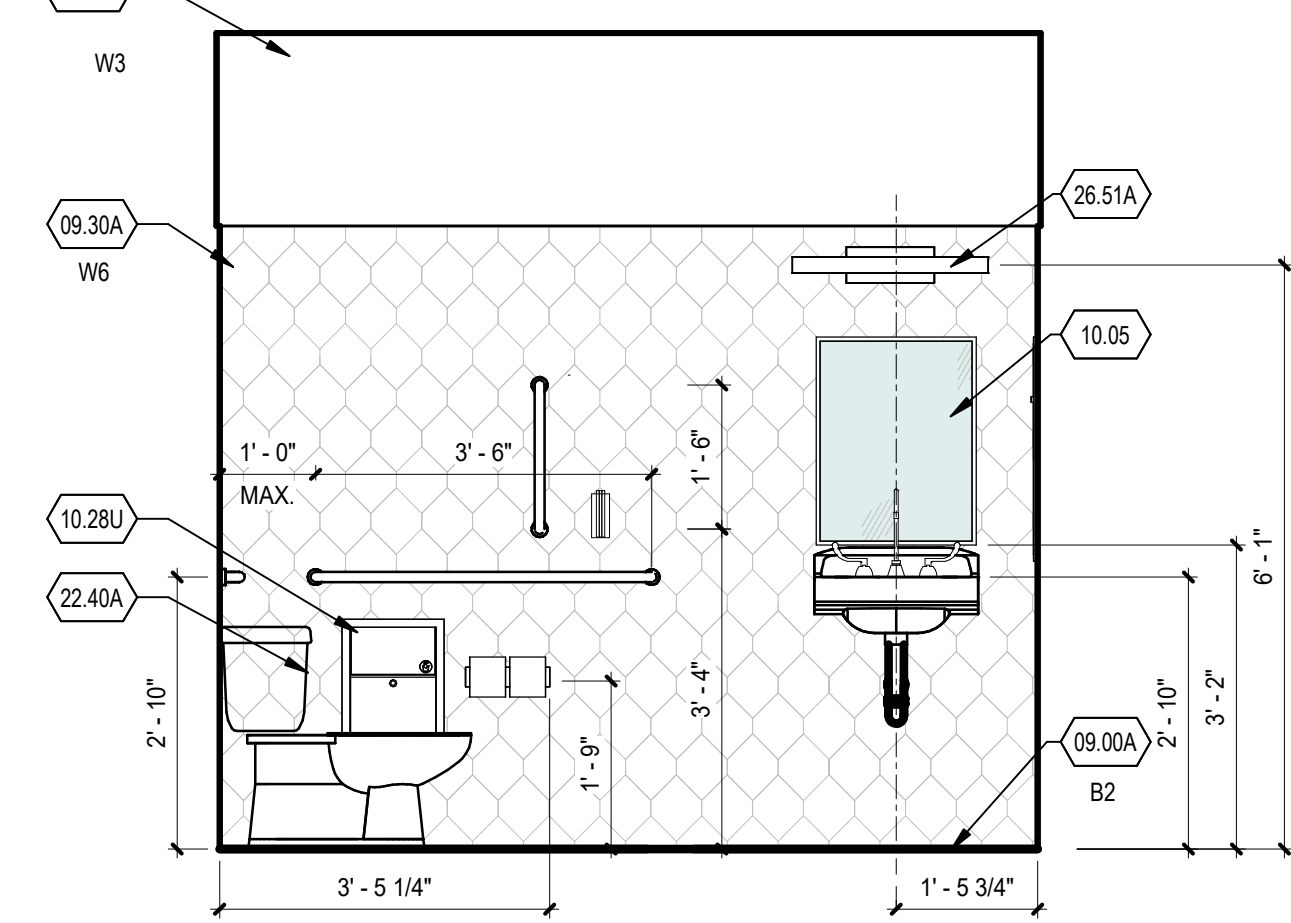
D3 RESTROOM - EAST ELEVATION  
SCALE: 1/2" = 1'-0"



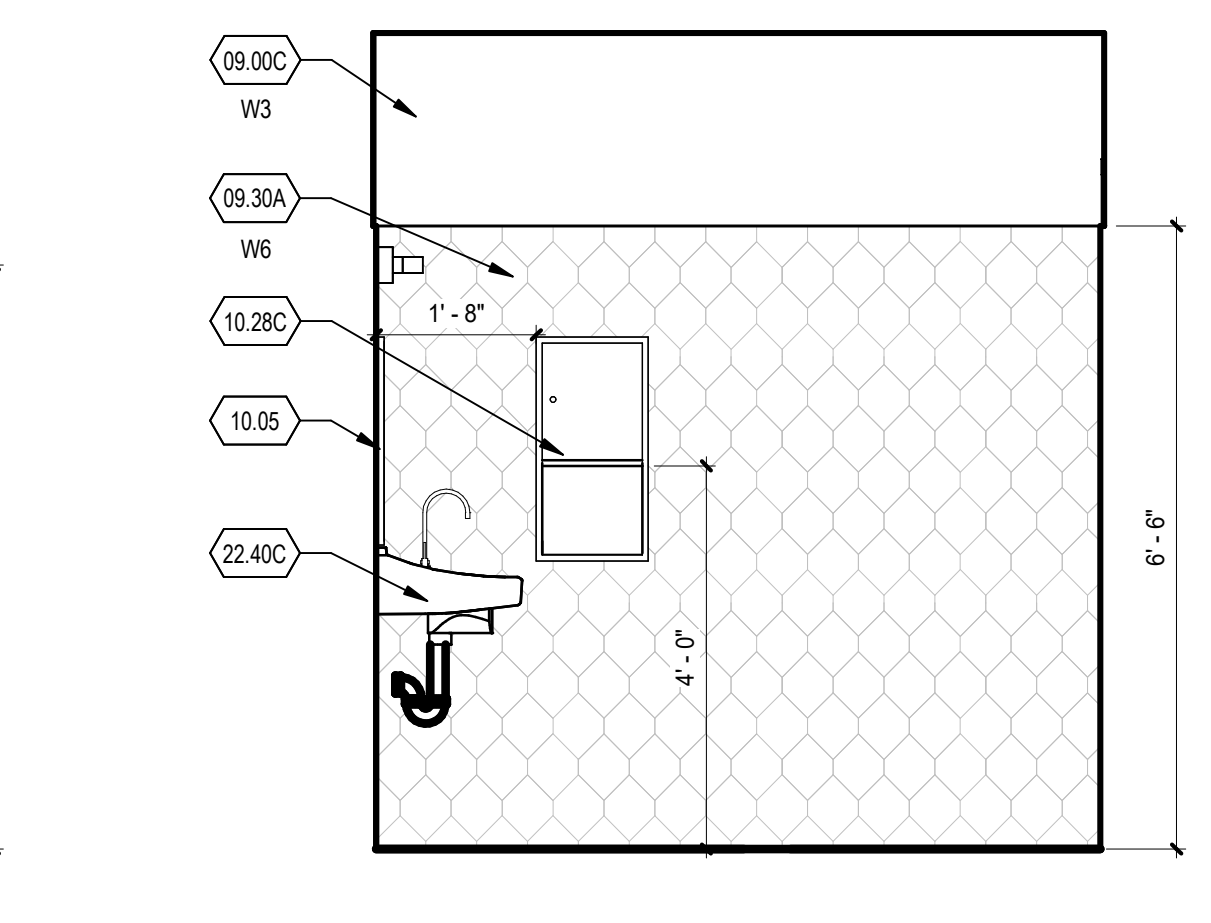
D4 RESTROOM - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"



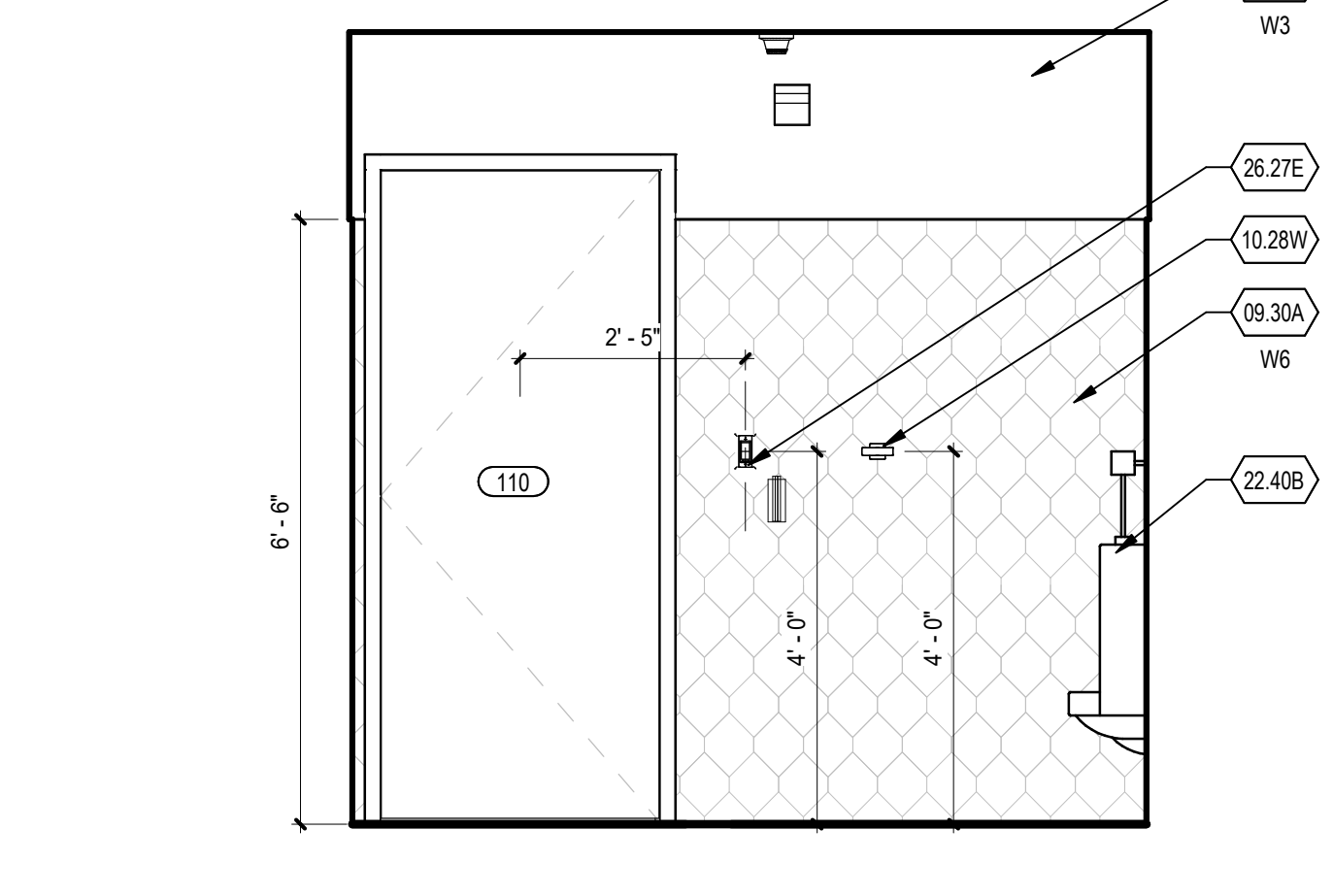
C1 ADA RESTROOM - WEST ELEVATION  
SCALE: 1/2" = 1'-0"



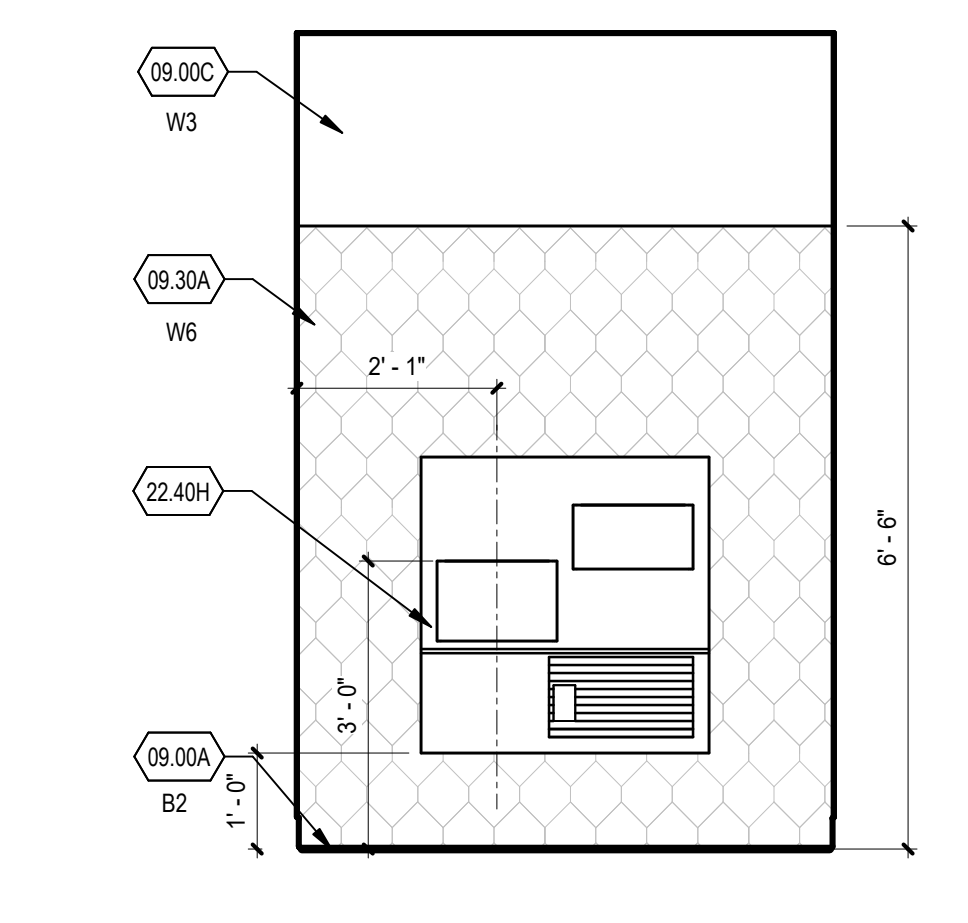
C2 ADA RESTROOM - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"



C3 ADA RESTROOM - EAST ELEVATION  
SCALE: 1/2" = 1'-0"



C4 ADA RESTROOM - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"



C5 HALL 134 - WEST ELEVATION  
SCALE: 1/2" = 1'-0"

REFERENCE NOTES

- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 09.30A WALL TILE
- 10.05 MIRROR
- 10.28A TOILET PAPER DISPENSER
- 10.28C RECESSED MEDIUM CAPACITY PAPER TOWER DISPENSER
- 10.28N ADA GRAB BARS 1-1/2" O.D.
- 10.28U FEMINE WASTE
- 10.28W TOWEL OR CLOTHING HOOK
- 22.40A WATER CLOSET
- 22.40B URINAL
- 22.40C LAVATORY / SINK
- 22.40H DRINKING FOUNTAIN ELKAY DUAL HEIGHT WITH BOTTLE FILLING STATION
- 26.27E ELECTRICAL SWITCH, RE. ELECTRICAL
- 26.51A LIGHT FIXTURE, RE. ELECTRICAL

CEILING LEGEND

ROOM NUMBER  
HEIGHT  
CEILING TYPE  
CEILING FINISH

ELECTRICAL FIXTURES - SEE ELECTRICAL DRAWINGS

SPRINKLER HEADS - SEE FIRE SPRINKLER DWGS

MECHANICAL EQUIPMENT - SEE MECHANICAL DWGS

BUILDING SYSTEMS

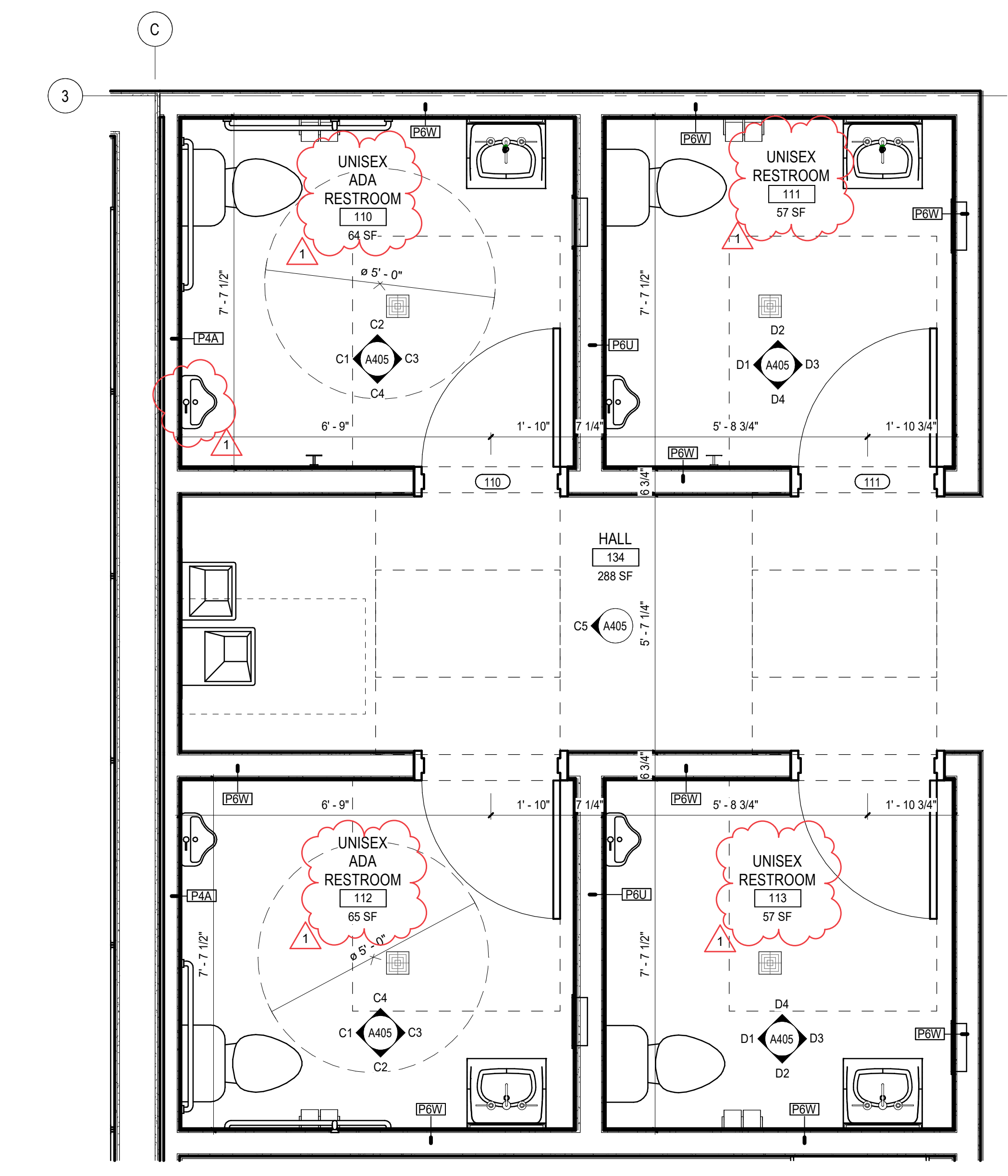
- SECURITY CAMERA
- GLASS BREAK
- SPEAKER
- INFRARED EMITTER
- SMOKE DETECTOR
- EXIT SIGN
- HORN
- STROBE
- WIFI ACCESS PT.
- MOTION DETECTOR
- HEAT SENSOR

MISCELLANEOUS

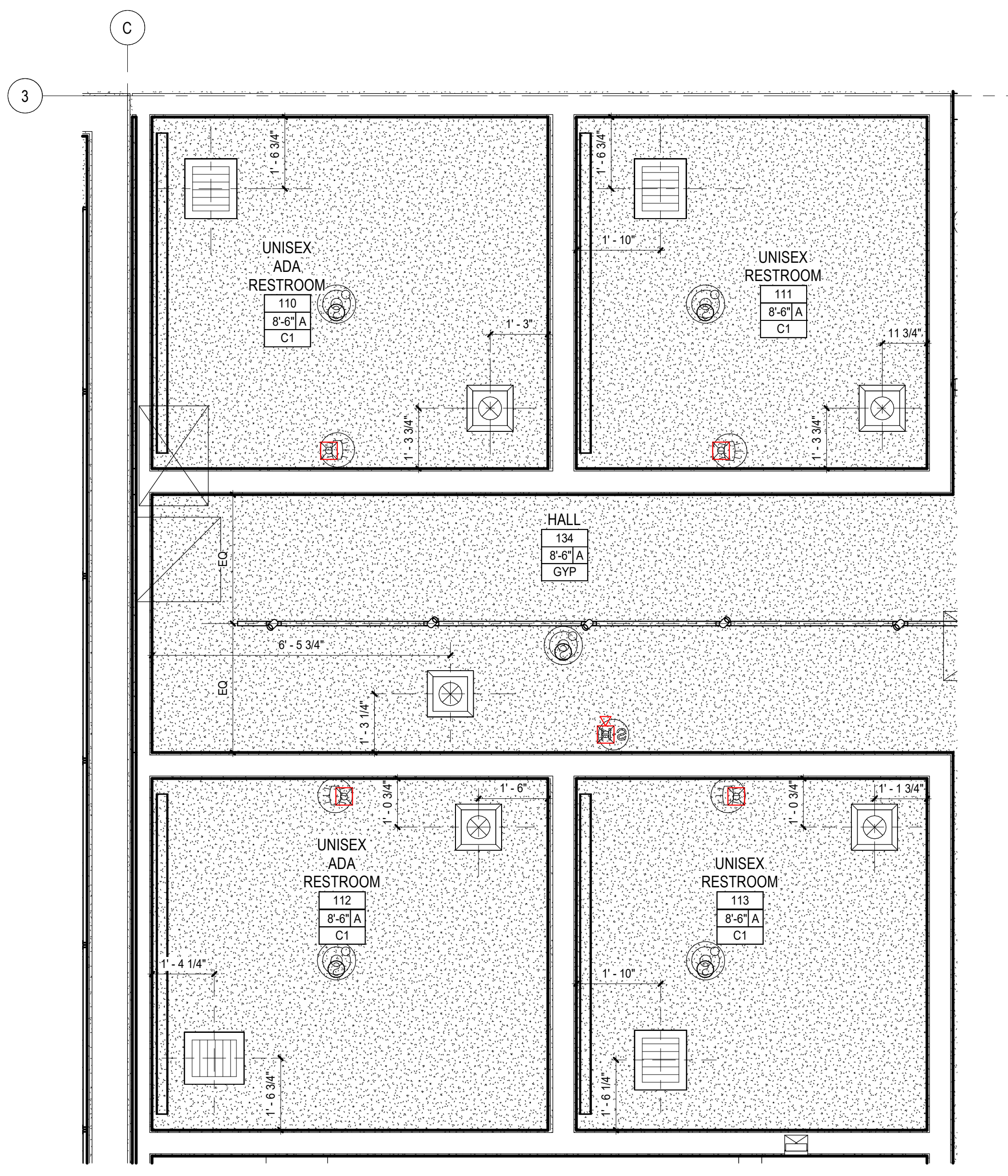
- ACCESS PANEL

CEILING TYPE

- G - PAINTED GYPSUM BOARD
- T - 2x2 LAY-IN ACOUSTICAL TILE CEILING
- O - OPEN TO STRUCTURE
- C - CERAMIC TILE OVER WATER RESISTANT GYPSUM BOARD



A1 RESTROOMS ENLARGED FLOOR PLAN  
SCALE: 1/2" = 1'-0"



A3 RESTROOMS ENLARGED REFLECTED CEILING PLAN  
SCALE: 1/2" = 1'-0"

21/11/2024 2:38:46 p. m.

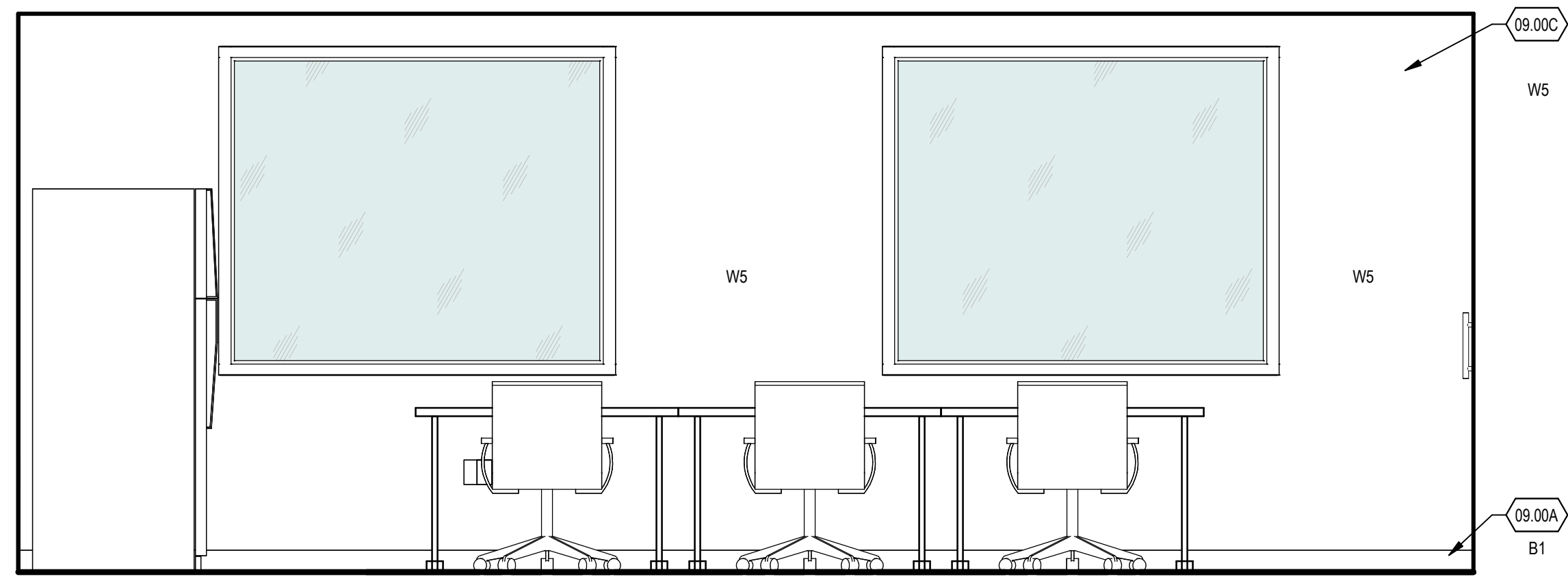


DATE: 11/22/24 REVISION: Addendum #1

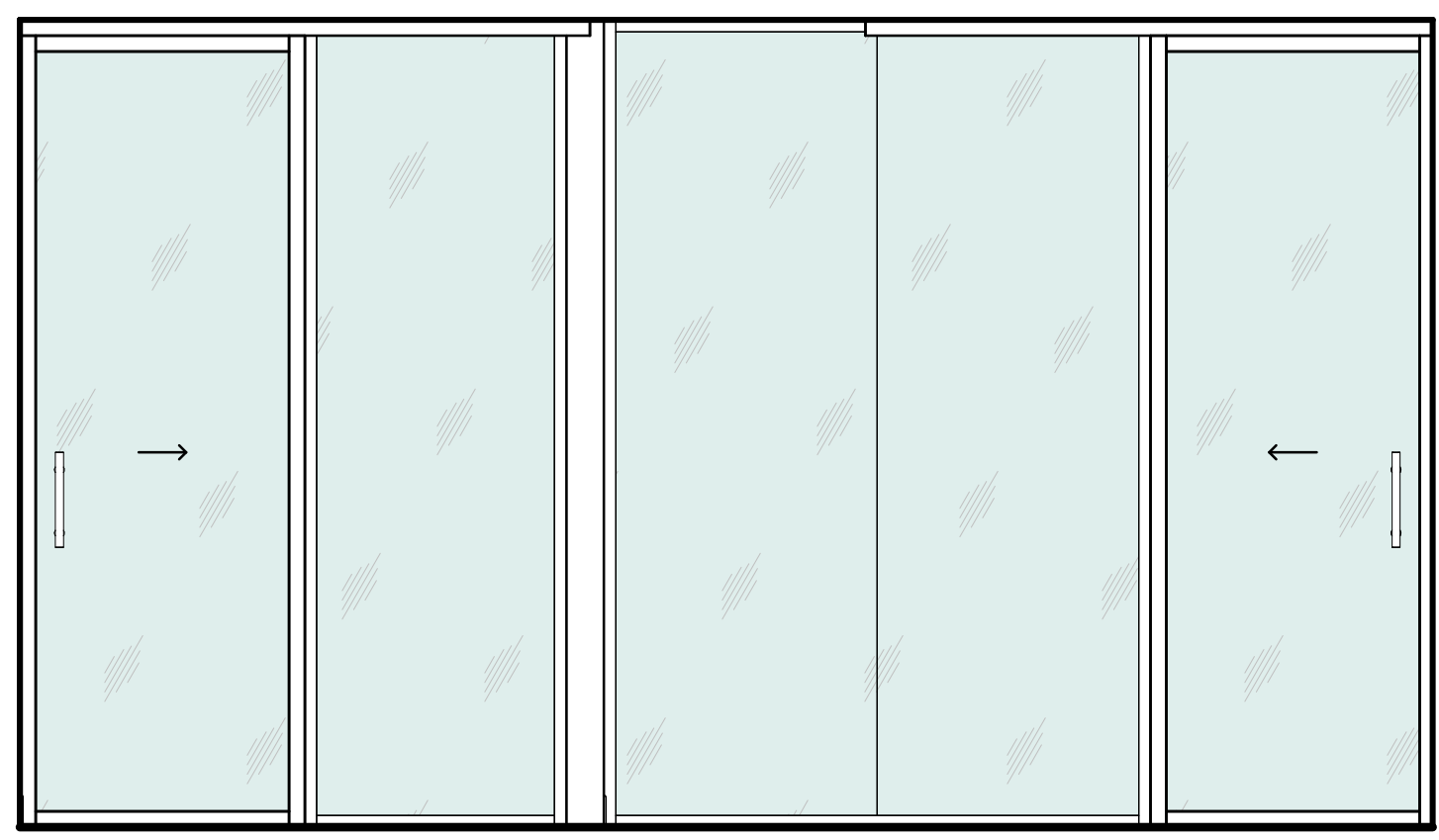
PROJECT NUMBER: 24003

RESTROOMS - INT ELEV.

5/09/2024 9:22:29 a.m.



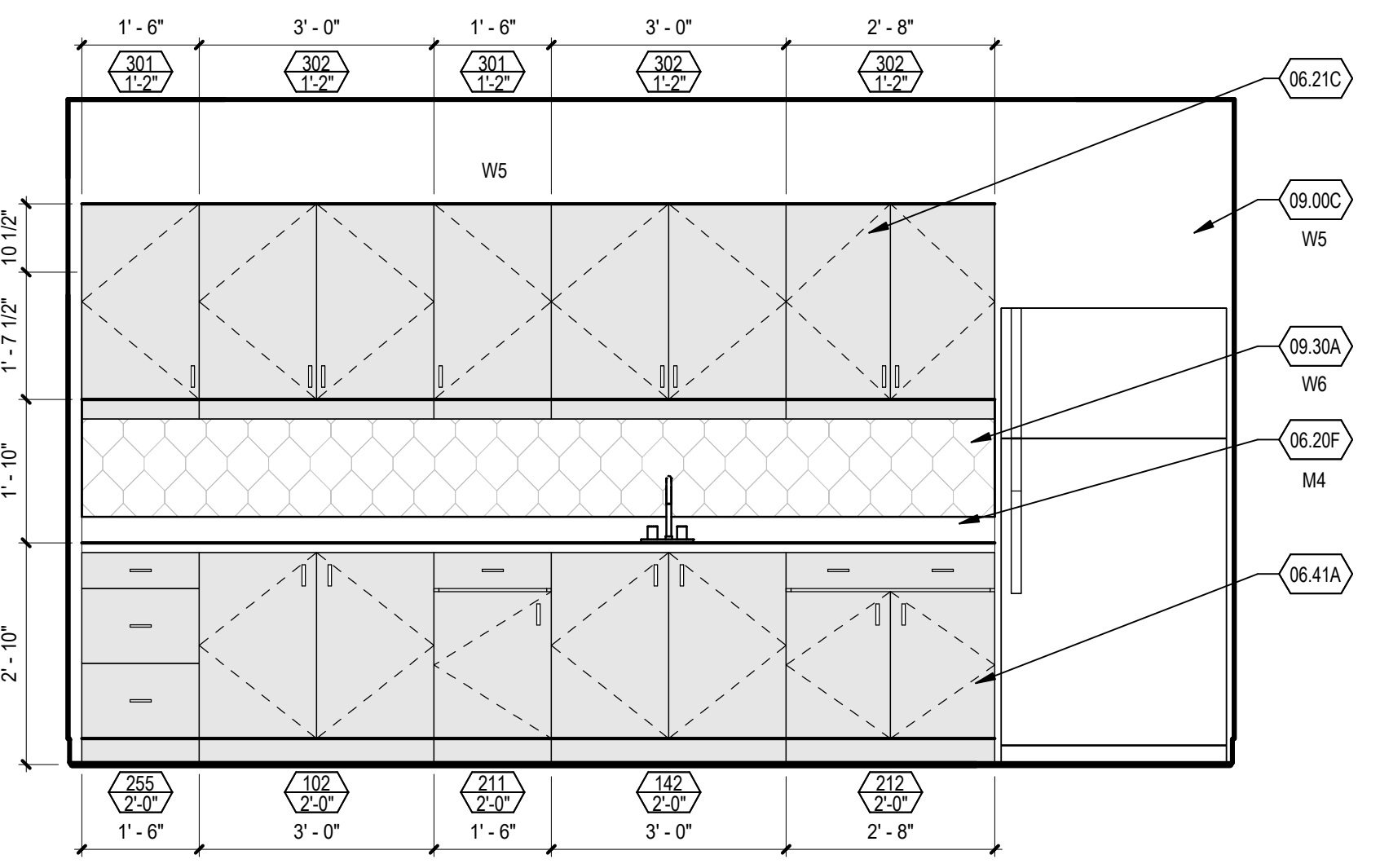
D1 WORKROOM/ KITCHENETTE/ COLLABORATION ROOM - EAST ELEVATION  
SCALE: 1/2" = 1'-0"



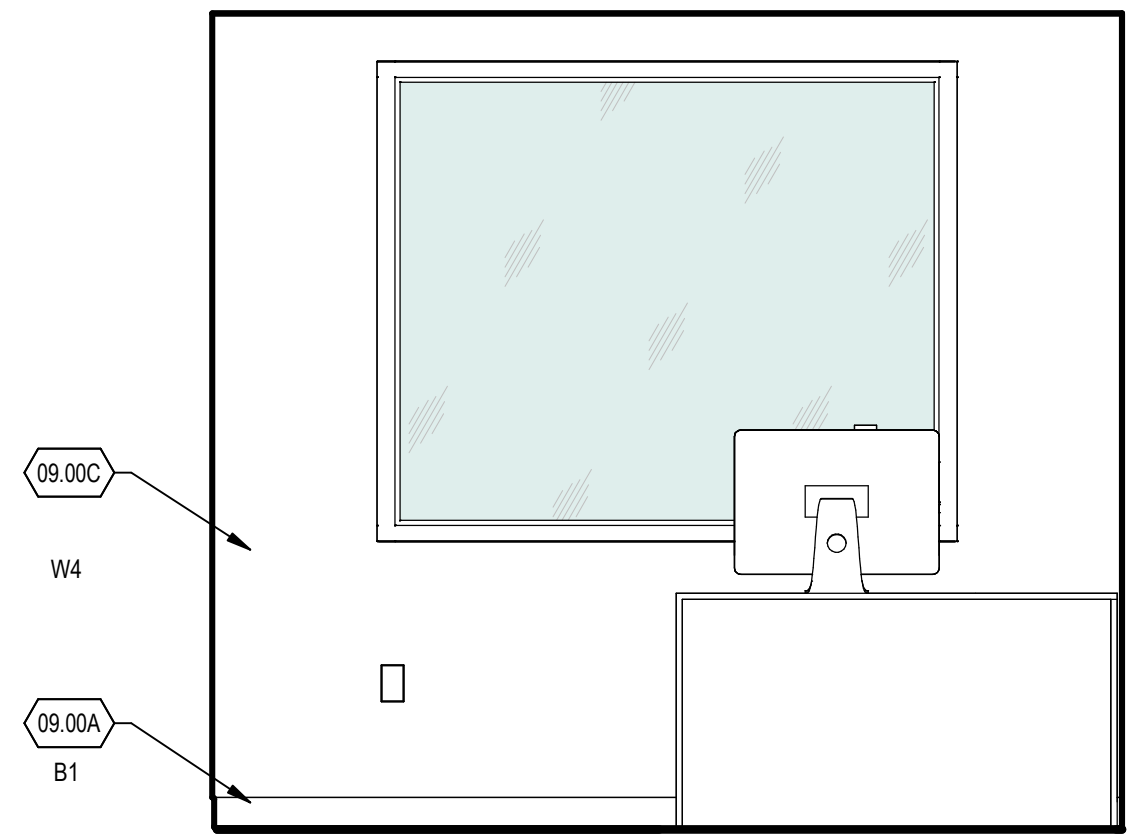
D3 WORKROOM/ KITCHENETTE/ COLLABORATION ROOM - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"



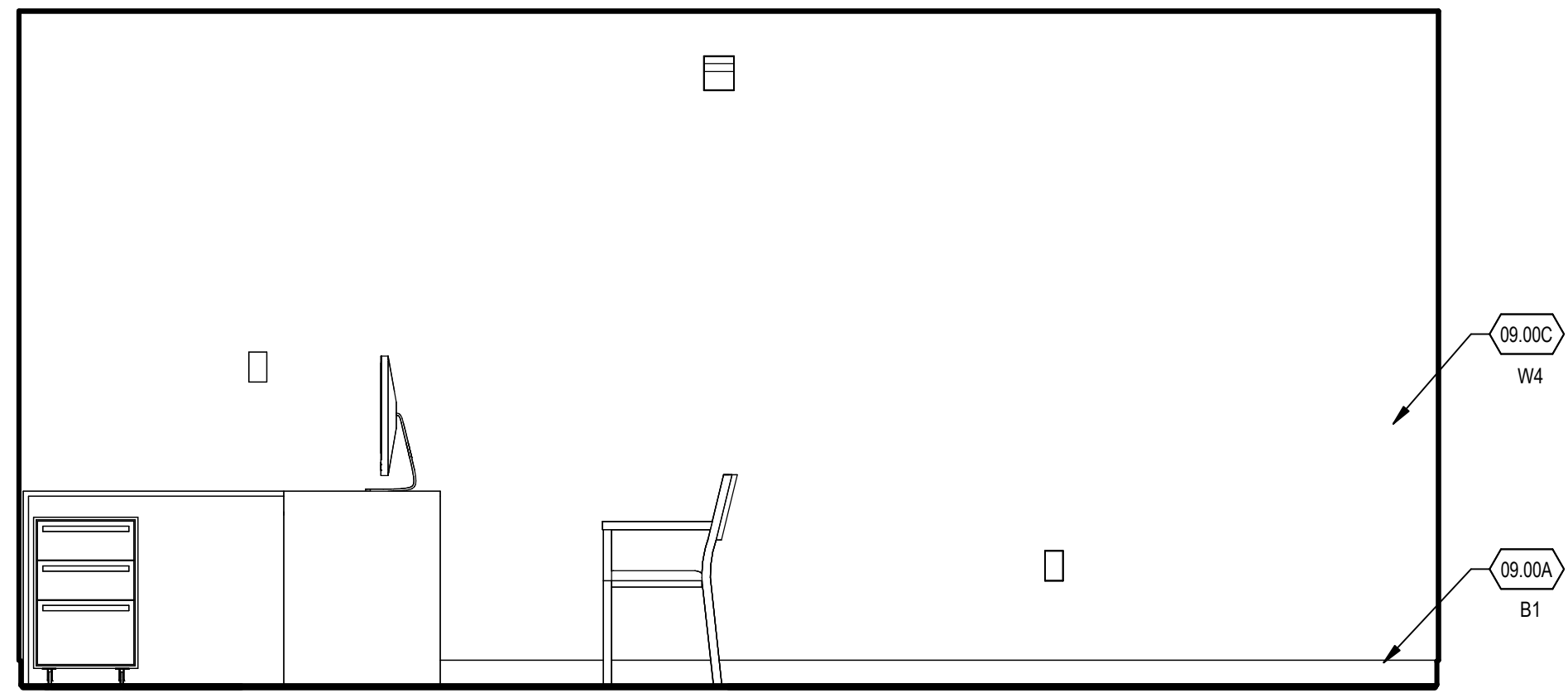
C1 WORKROOM/ KITCHENETTE/ COLLABORATION ROOM - WEST ELEVATION  
SCALE: 1/2" = 1'-0"



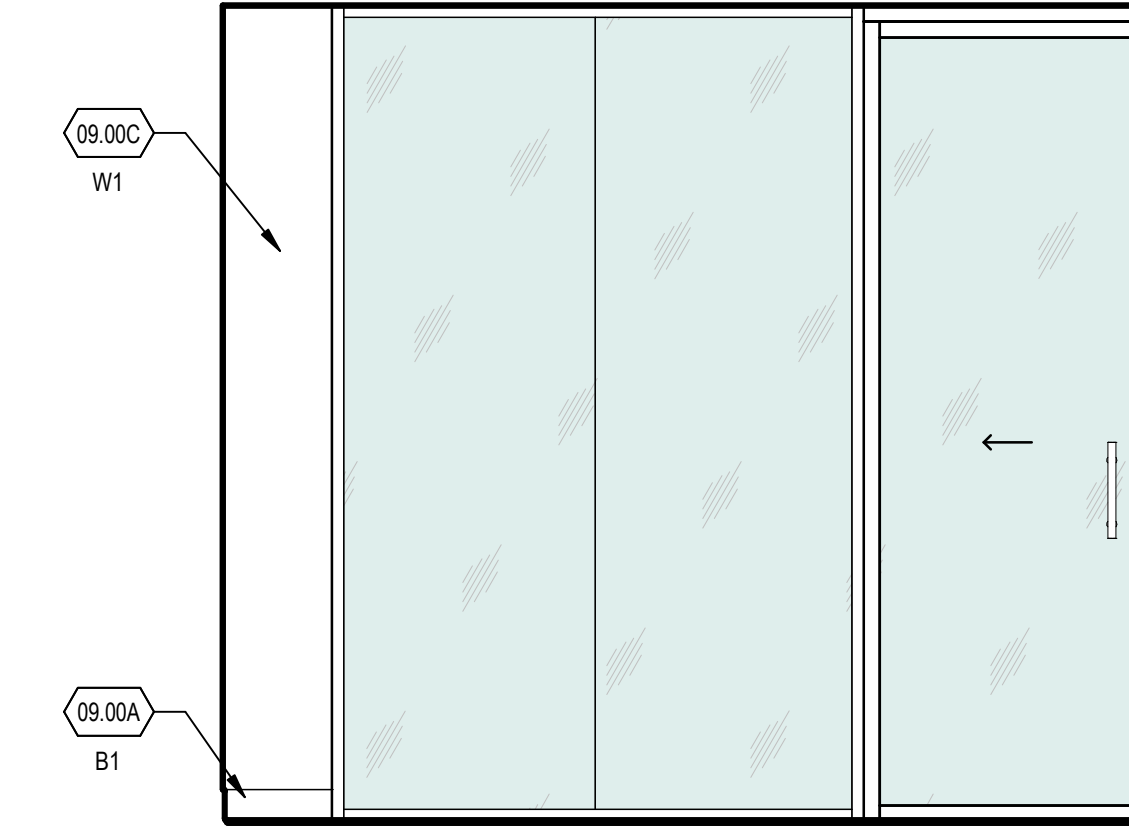
C3 WORKROOM/ KITCHENETTE/ COLLABORATION ROOM - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"



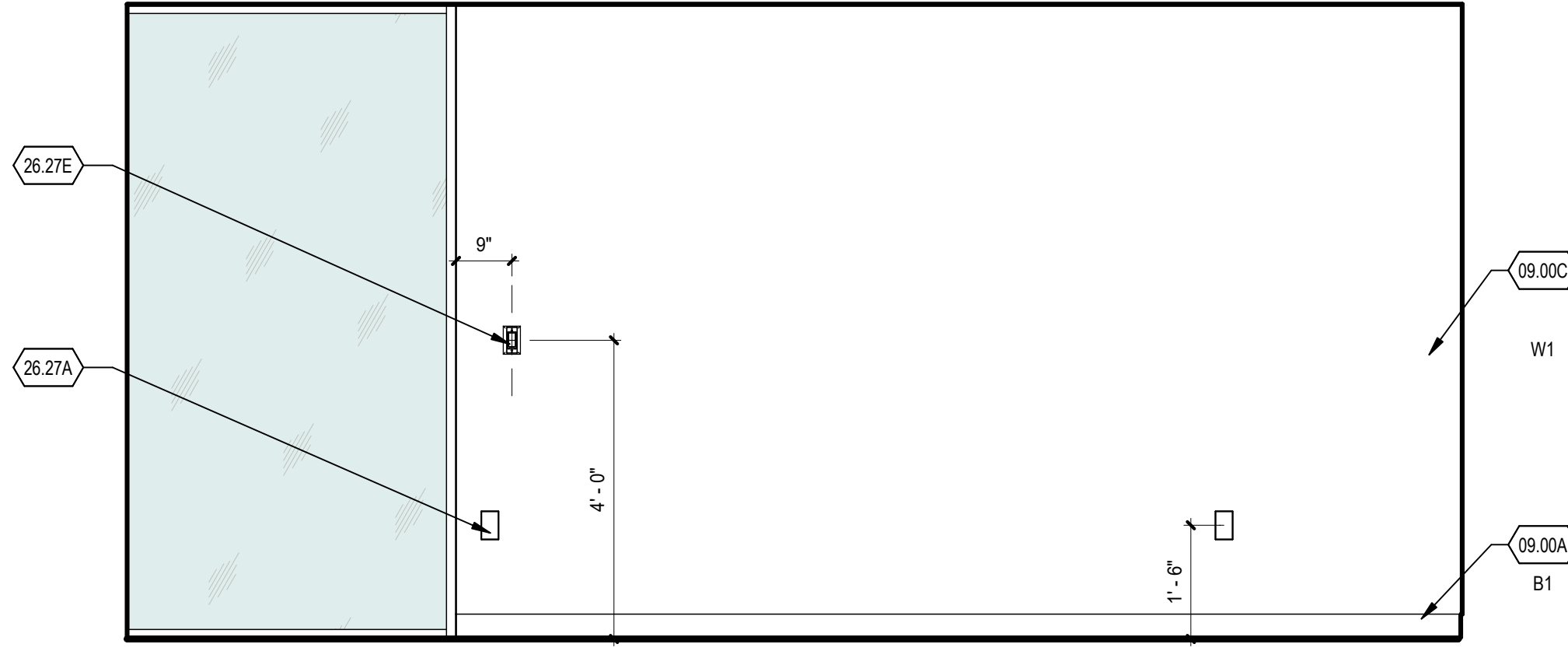
B1 PRINCIPAL - EAST ELEVATION  
SCALE: 1/2" = 1'-0"



B3 PRINCIPAL - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"



A1 PRINCIPAL - WEST ELEVATION  
SCALE: 1/2" = 1'-0"

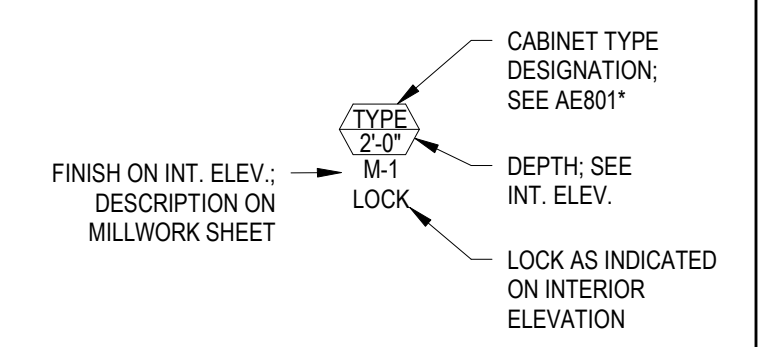


A3 PRINCIPAL - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"

REFERENCE NOTES

- 06.20F SCHEDULED COUNTER TOP AND BACKSLASH WHERE SHOWN
- 06.21C MILLWORK
- 06.41A CASEWORK
- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 09.30A WALL TILE
- 10.21C TYPICAL WORKER DRESSING STALL. REFER TO SHEET G121 FOR LOCKER ARRANGEMENT
- 26.27A DUPLEX ELECTRICAL OUTLET
- 26.27E ELECTRICAL SWITCH, RE ELECTRICAL

MILLWORK LEGEND



THE CABINET TYPE INDICATES THAT THE NUMBER IS THE MOST CLOSELY REPRESENTATIVE OF THE DESIRED DESIGN. THE CUSTOM DESCRIPTION DESCRIBES THE DESIGN MODIFICATION.



DATE	REVISION

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WORKRM / KITCHENETTE & PRINCIPAL - INT ELEV.



5/09/2024 9:22:32 a.m.

REFERENCE NOTES

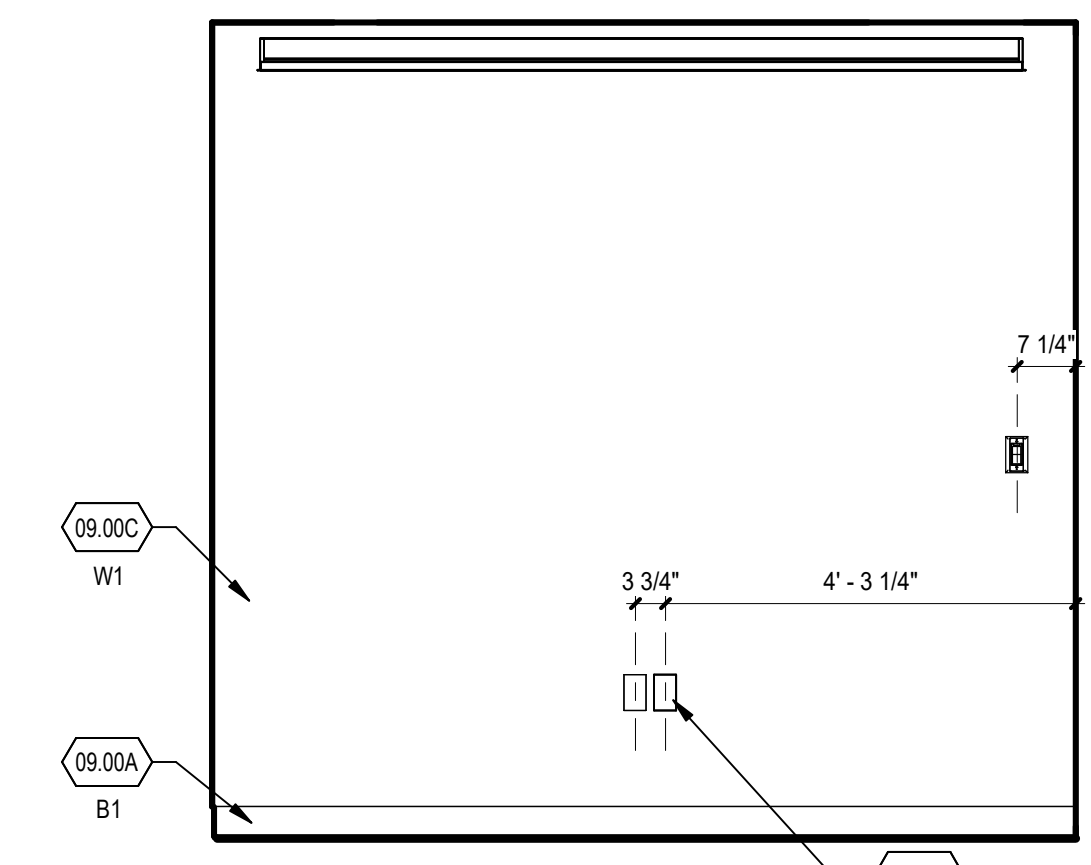
- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 26.27A DUPLEX ELECTRICAL OUTLET
- 26.27E ELECTRICAL SWITCH, RE. ELECTRICAL



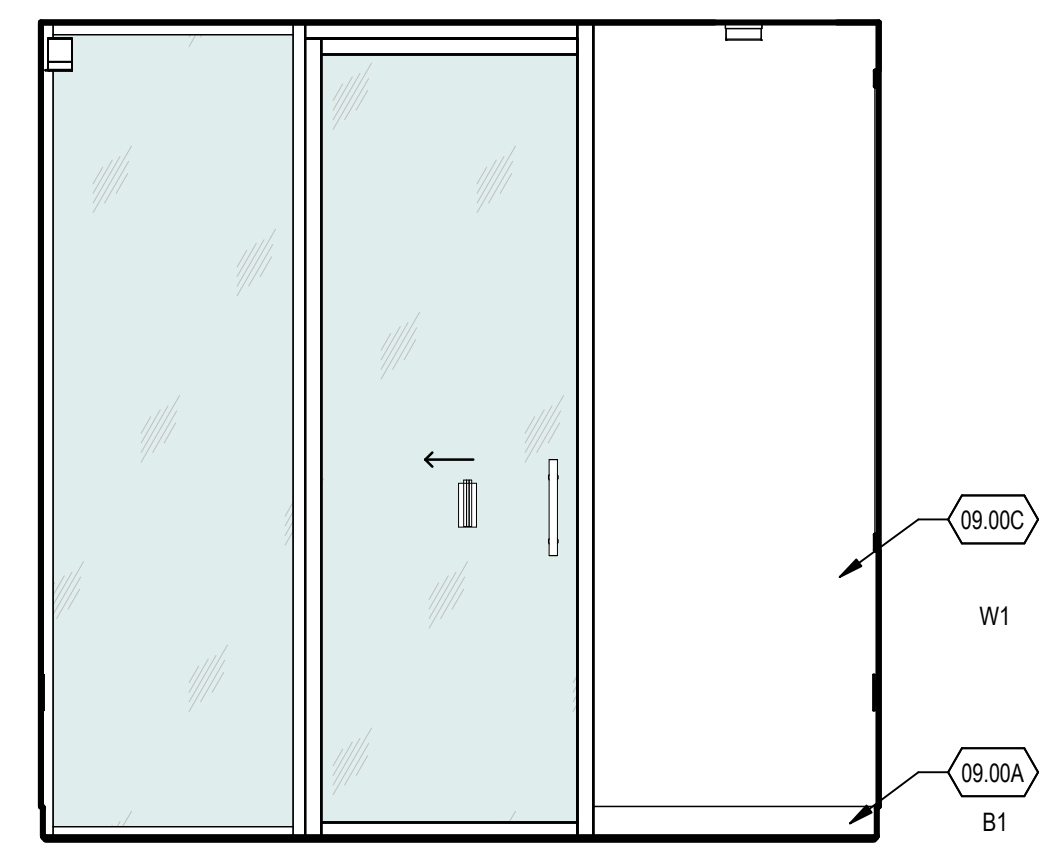
DATE	REVISION

PROJECT NUMBER 24003

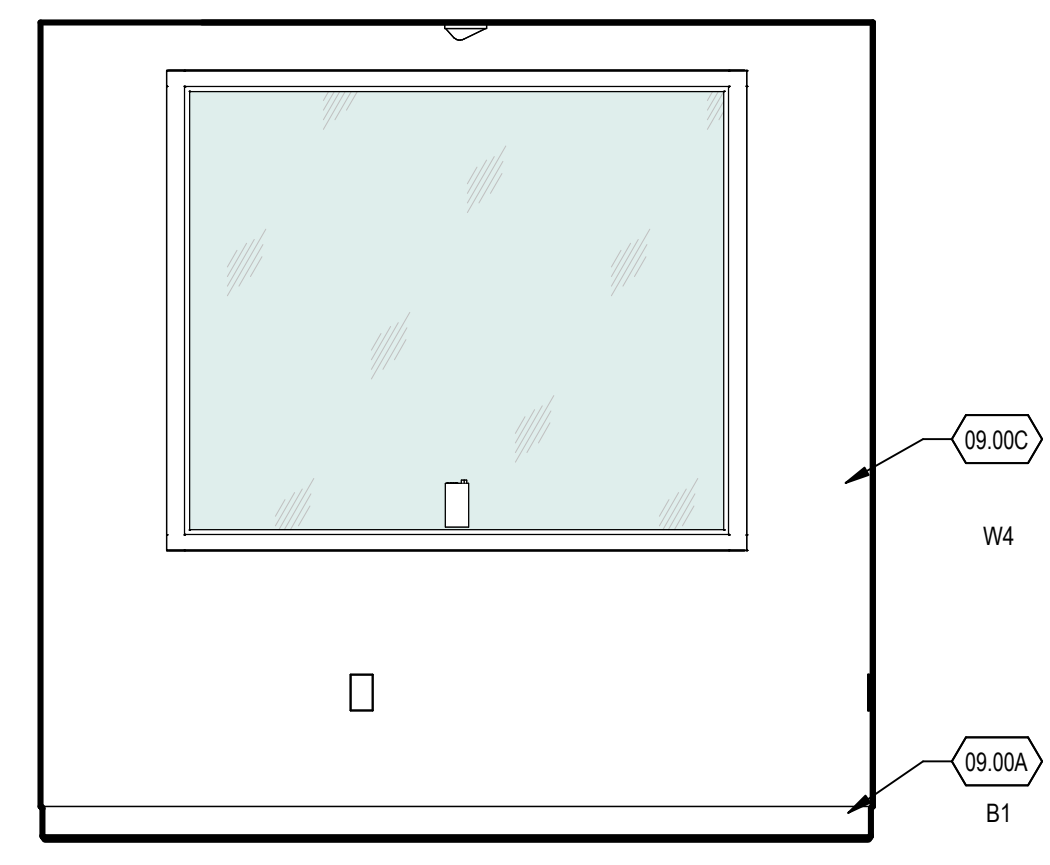
**QUIET STUDY & VEST 122 - INT ELEV.**



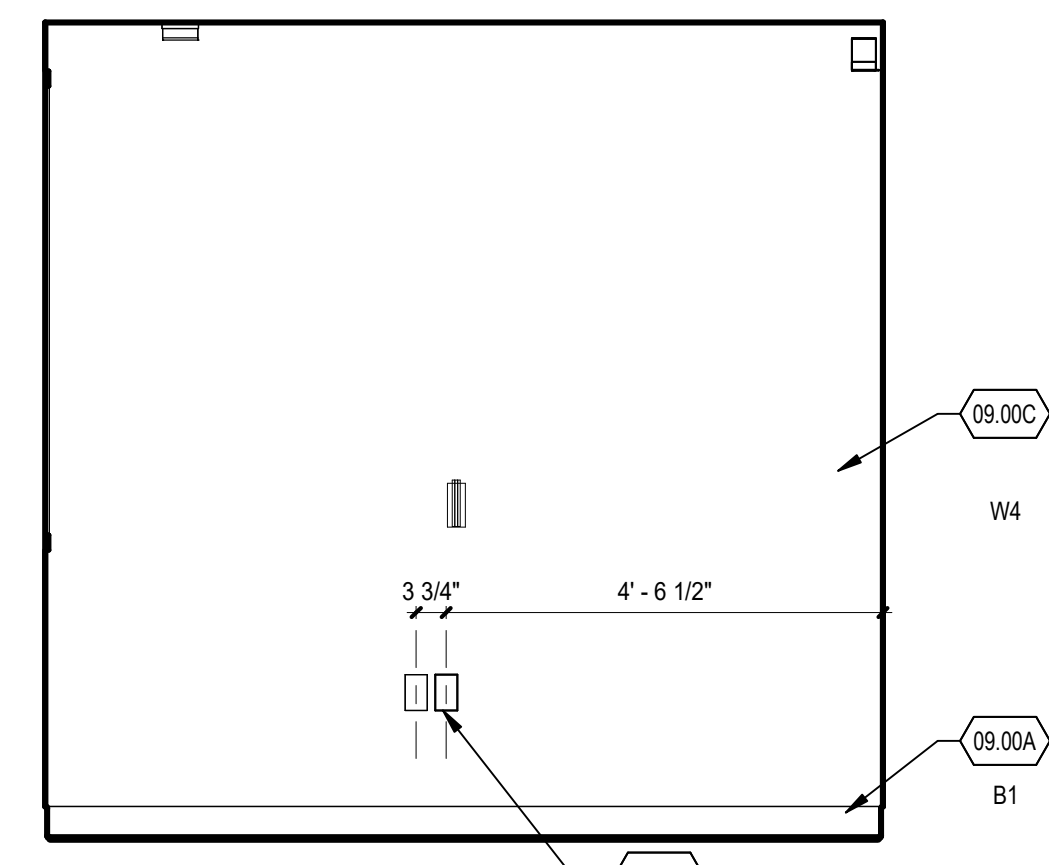
**C1 QUIET STUDY 133 - WEST ELEVATION**  
 SCALE: 1/2" = 1'-0"



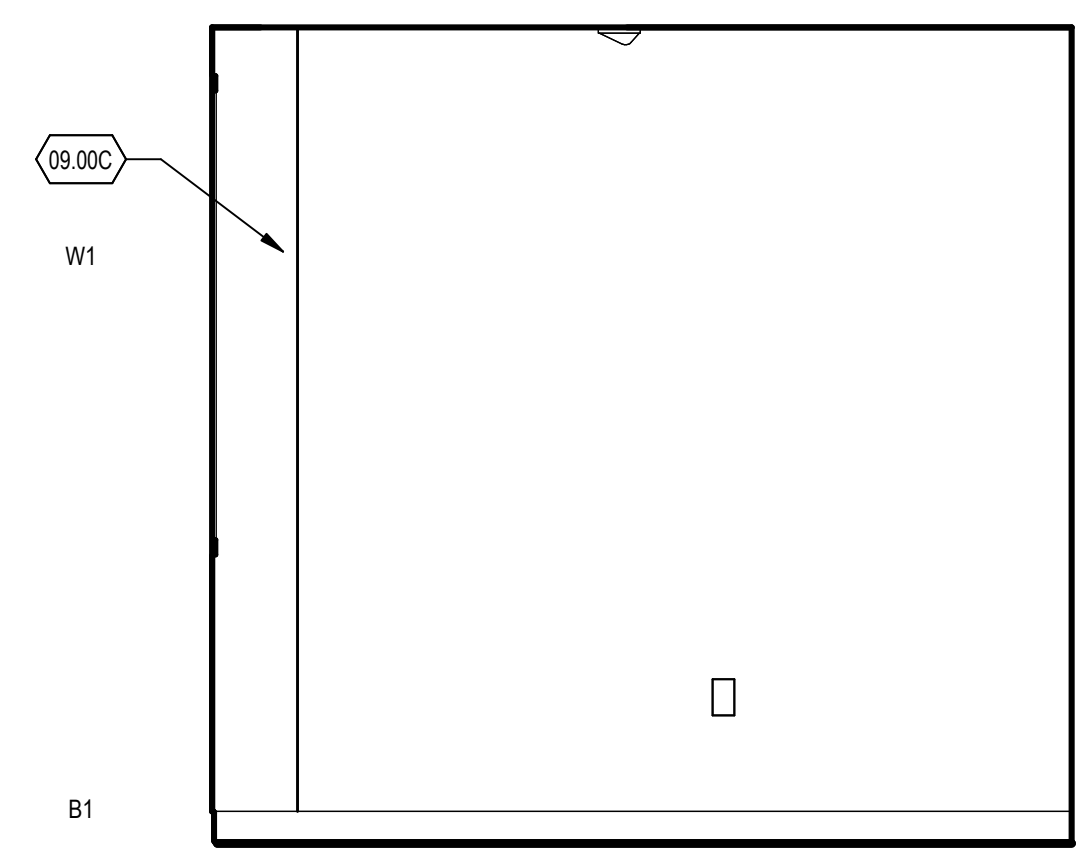
**C2 QUIET STUDY 133 - NORTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



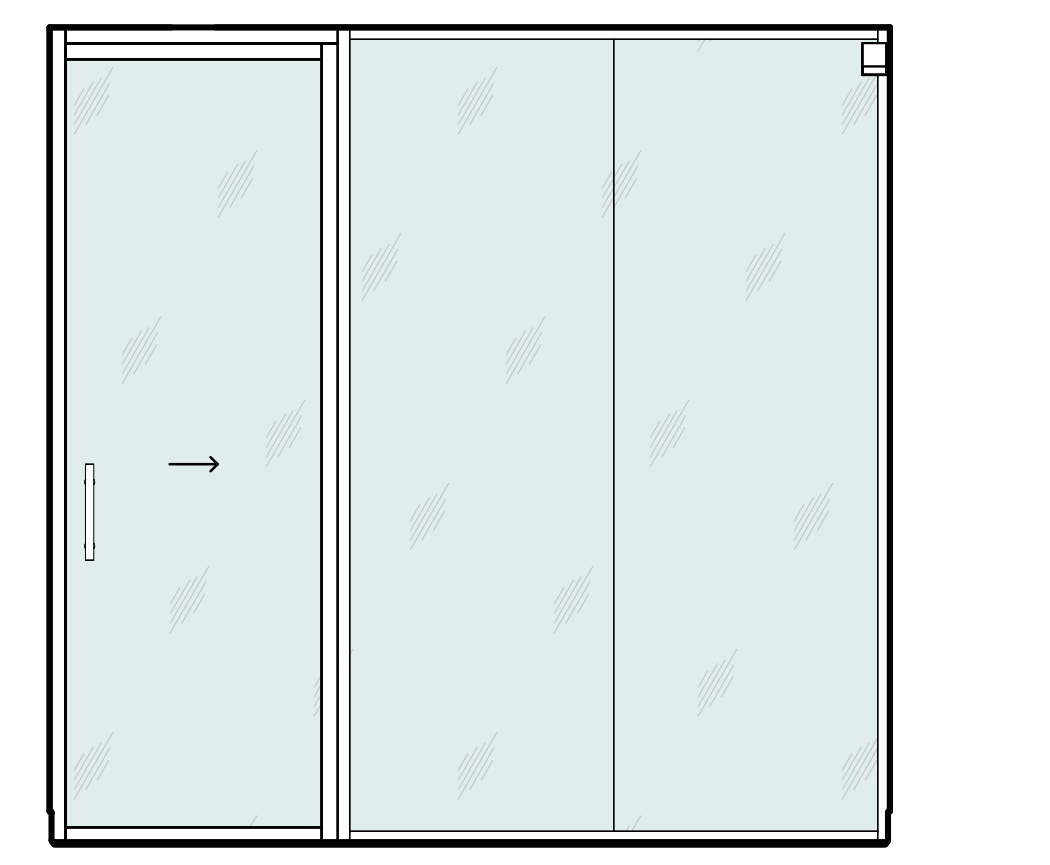
**C4 QUIET STUDY 133 - EAST ELEVATION**  
 SCALE: 1/2" = 1'-0"



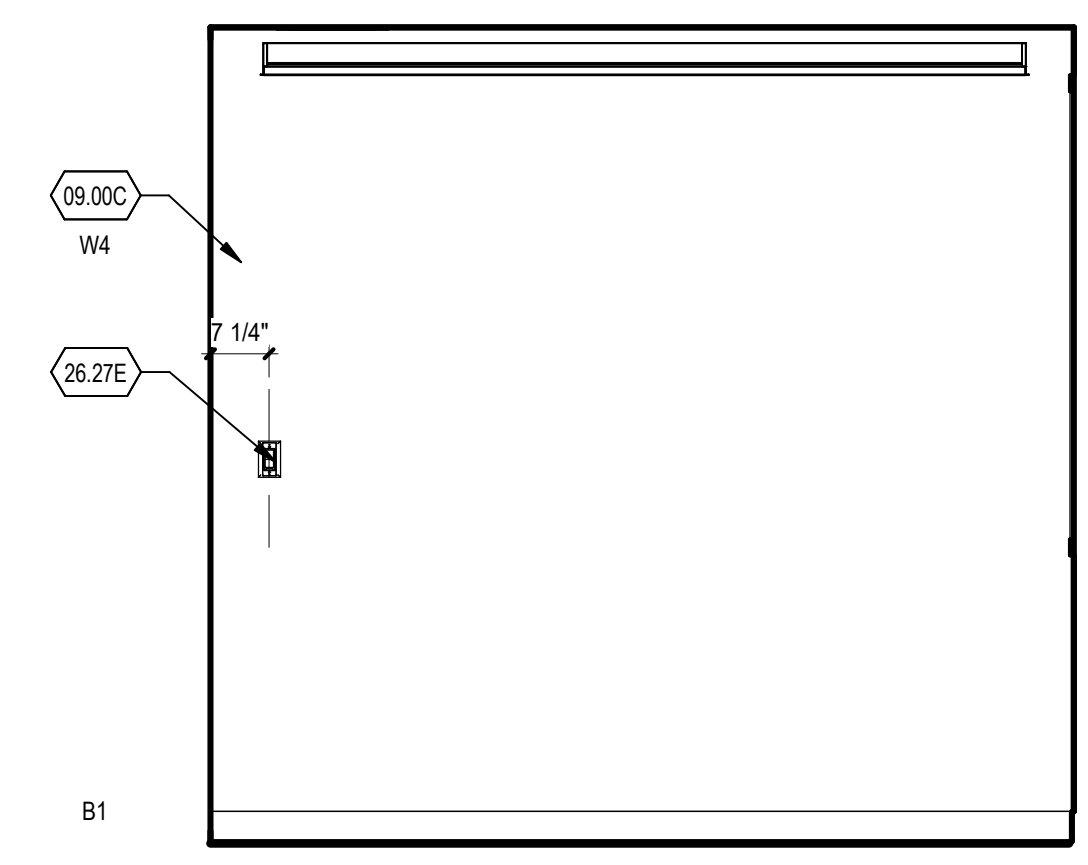
**C5 QUIET STUDY 133 - SOUTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



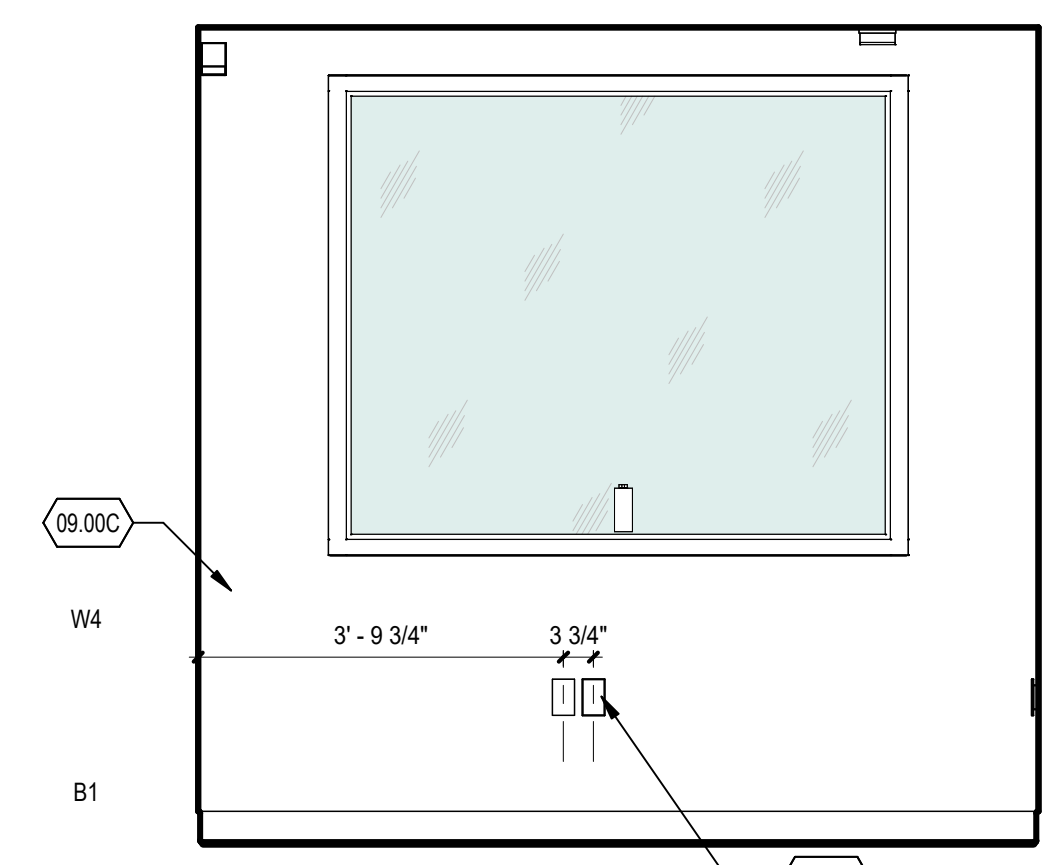
**B1 QUIET STUDY 132 - WEST ELEVATION**  
 SCALE: 1/2" = 1'-0"



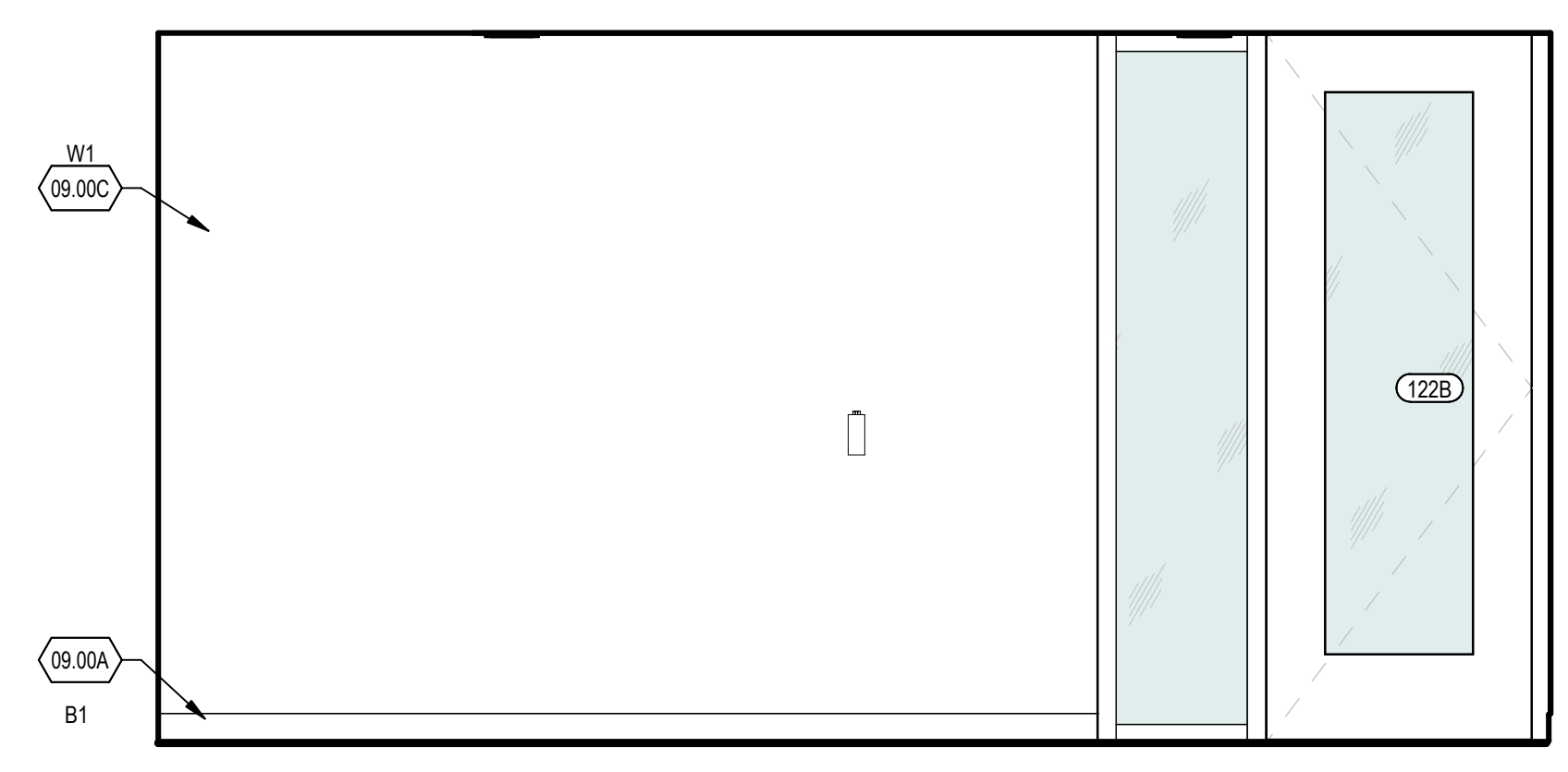
**B2 QUIET STUDY 132 - NORTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



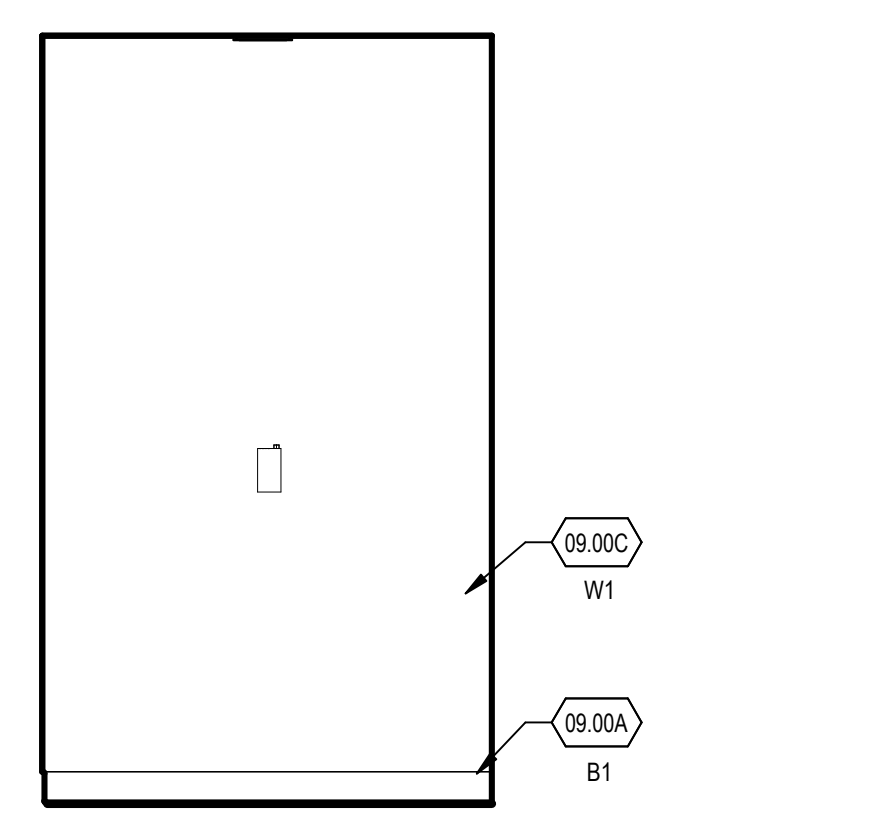
**B4 QUIET STUDY 132 - EAST ELEVATION**  
 SCALE: 1/2" = 1'-0"



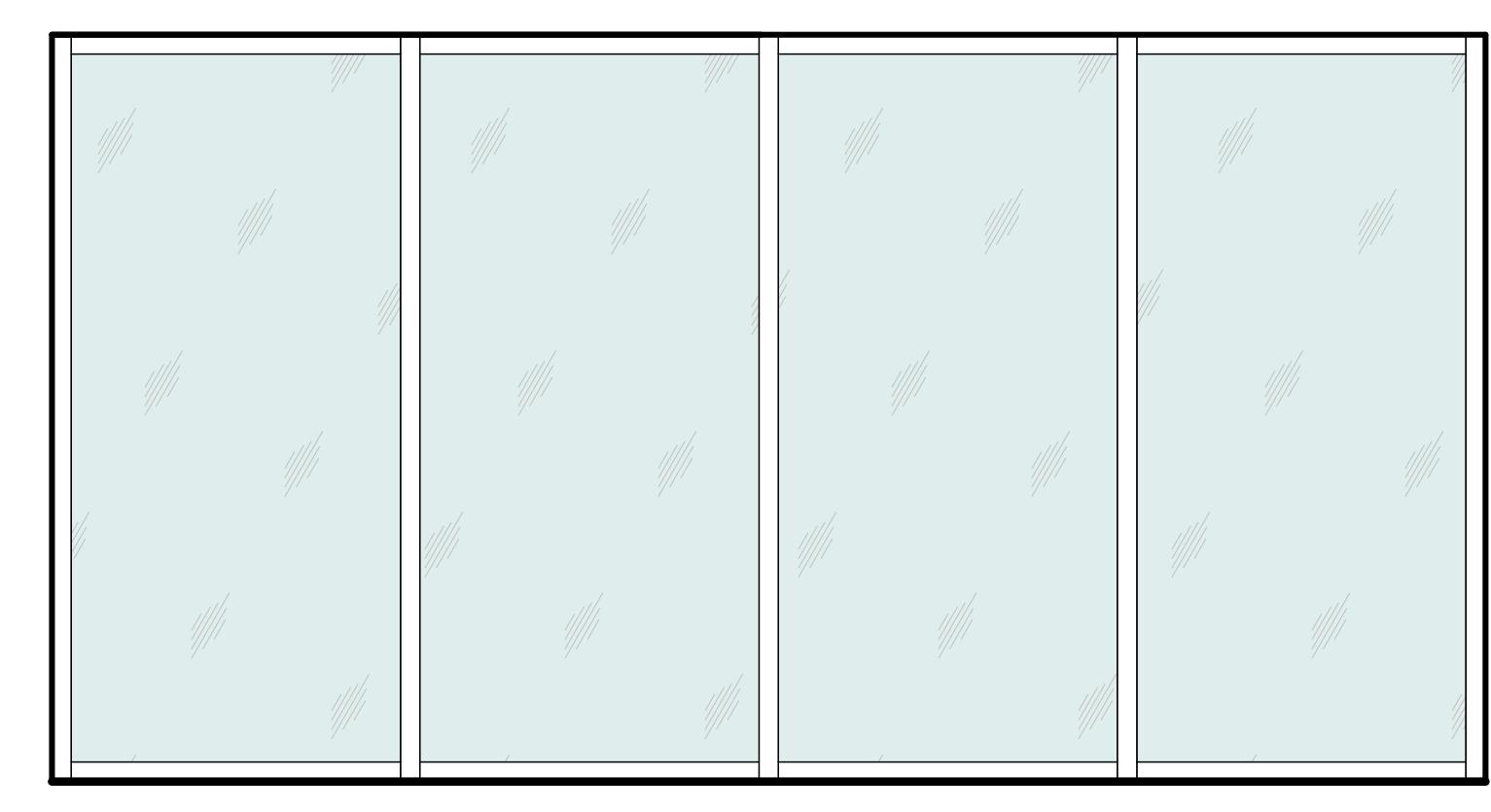
**B5 QUIET STUDY 132 - SOUTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



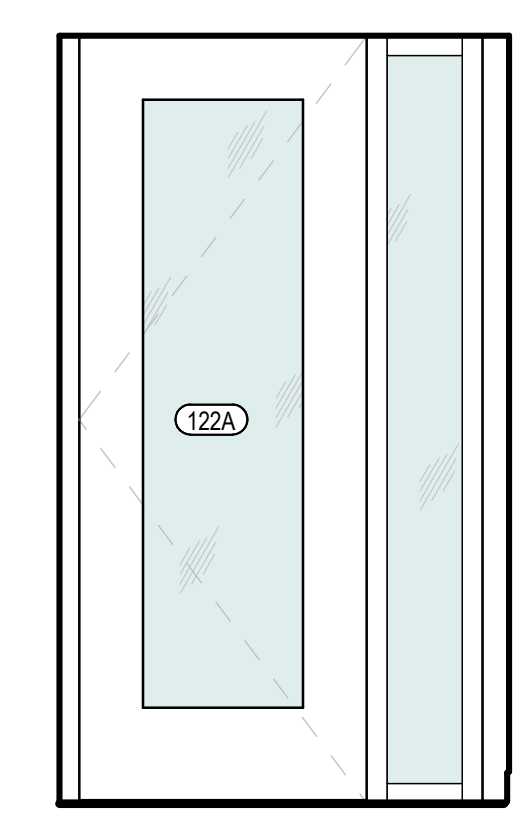
**A1 VEST. 122 - NORTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



**A2 VEST. 122 - EAST ELEVATION**  
 SCALE: 1/2" = 1'-0"



**A3 VEST. 122 - SOUTH ELEVATION**  
 SCALE: 1/2" = 1'-0"

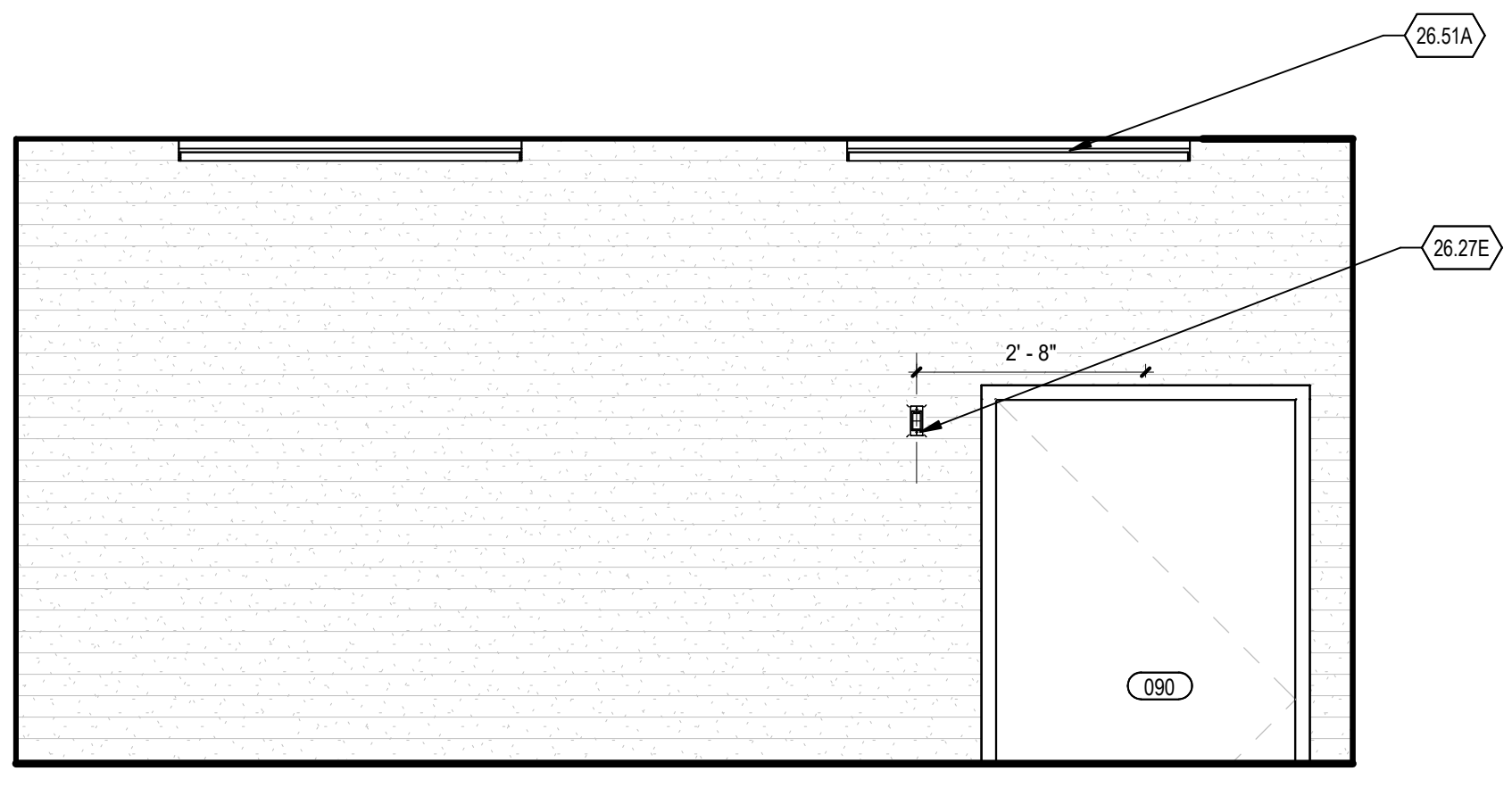


**A5 VEST. 122 - WEST ELEVATION**  
 SCALE: 1/2" = 1'-0"

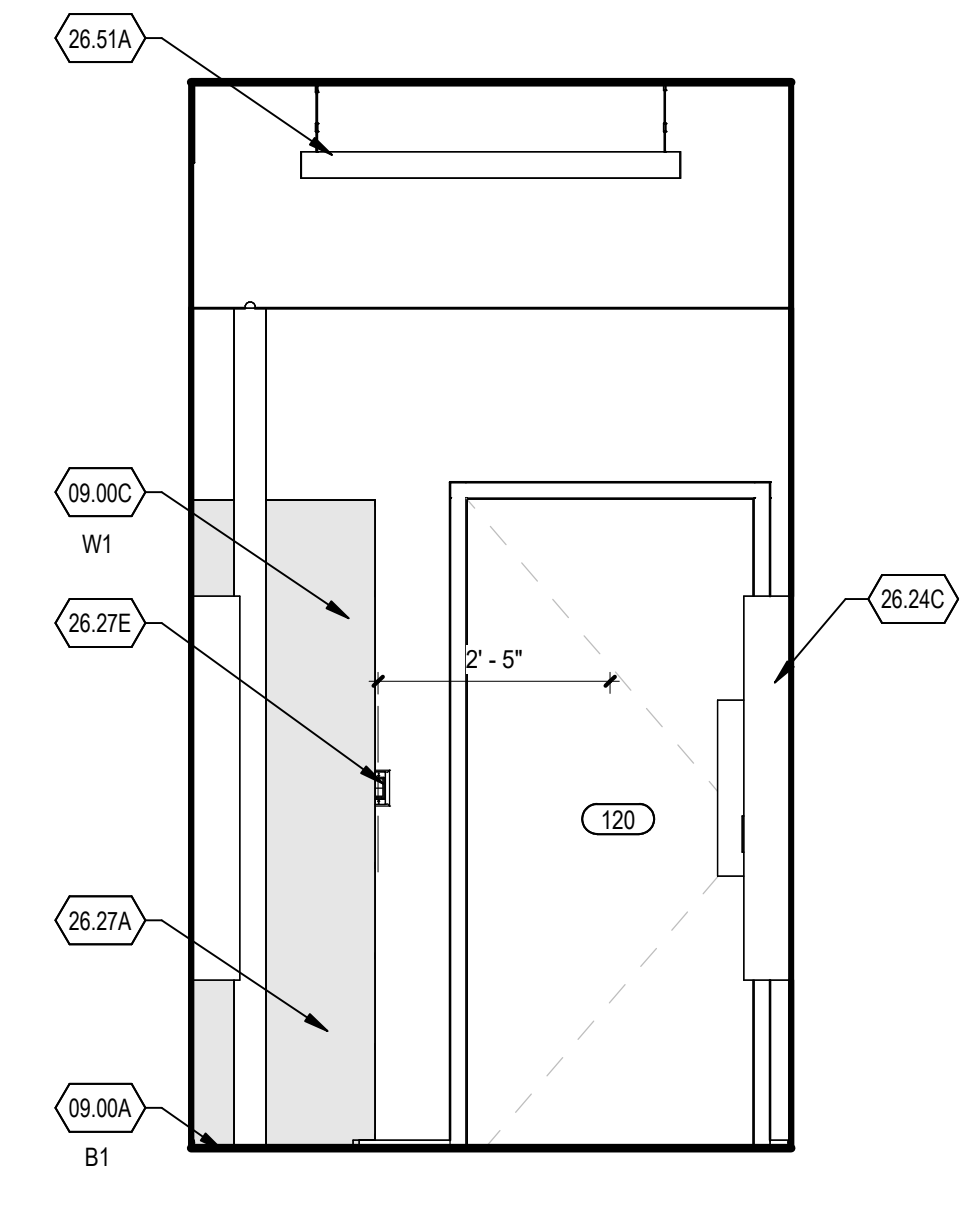
5/09/2024 9:22:33 a.m.

REFERENCE NOTES

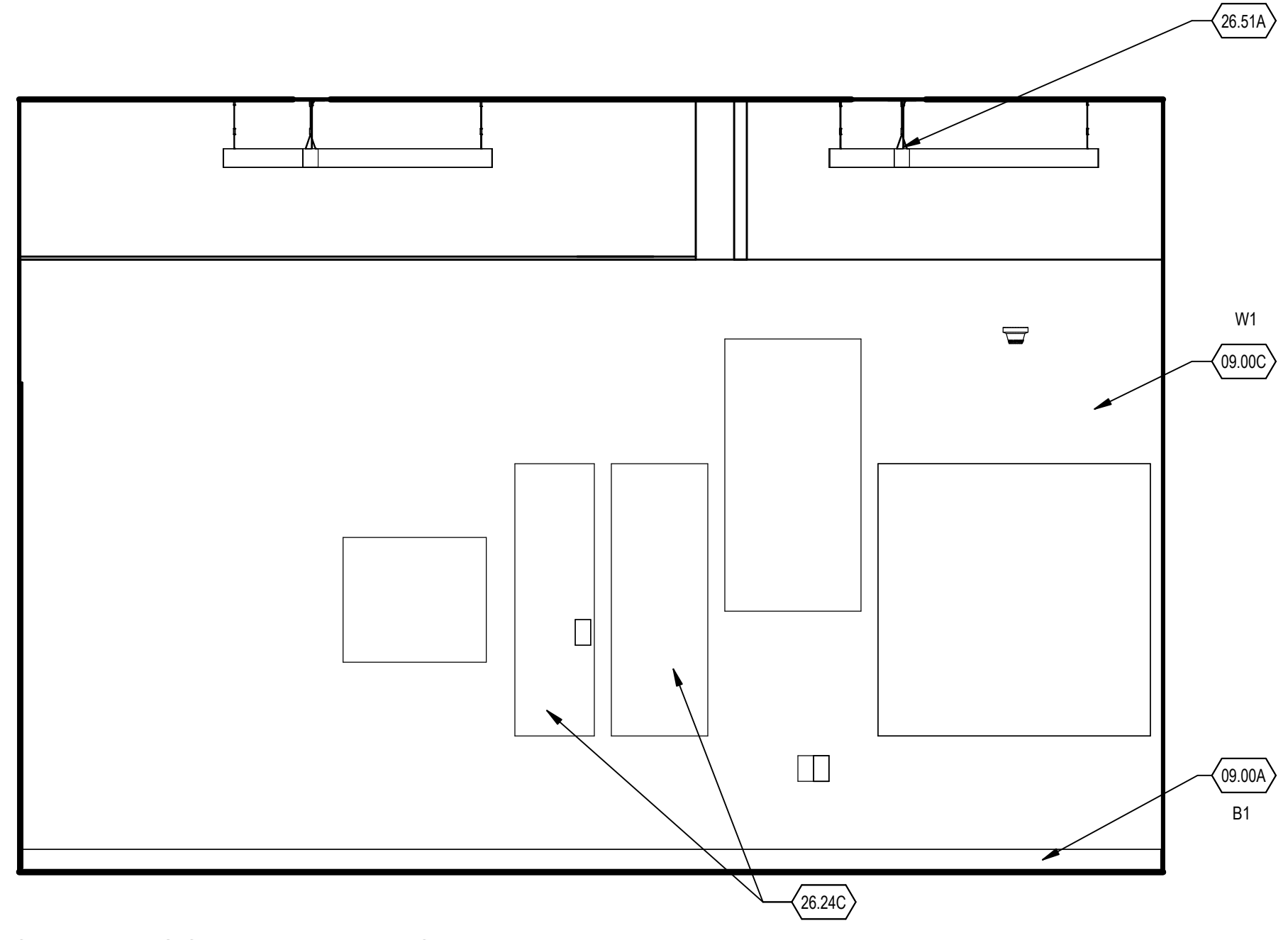
- 06.41A CASEWORK
- 09.00A SCHEDULED WALL BASE
- 09.00C PAINTED GYP BOARD
- 26.24C ELECTRICAL PANEL, RE: ELECTRICAL
- 26.27A DUPLEX ELECTRICAL OUTLET
- 26.27E ELECTRICAL SWITCH, RE: ELECTRICAL
- 26.51A LIGHT FIXTURE, RE: ELECTRICAL



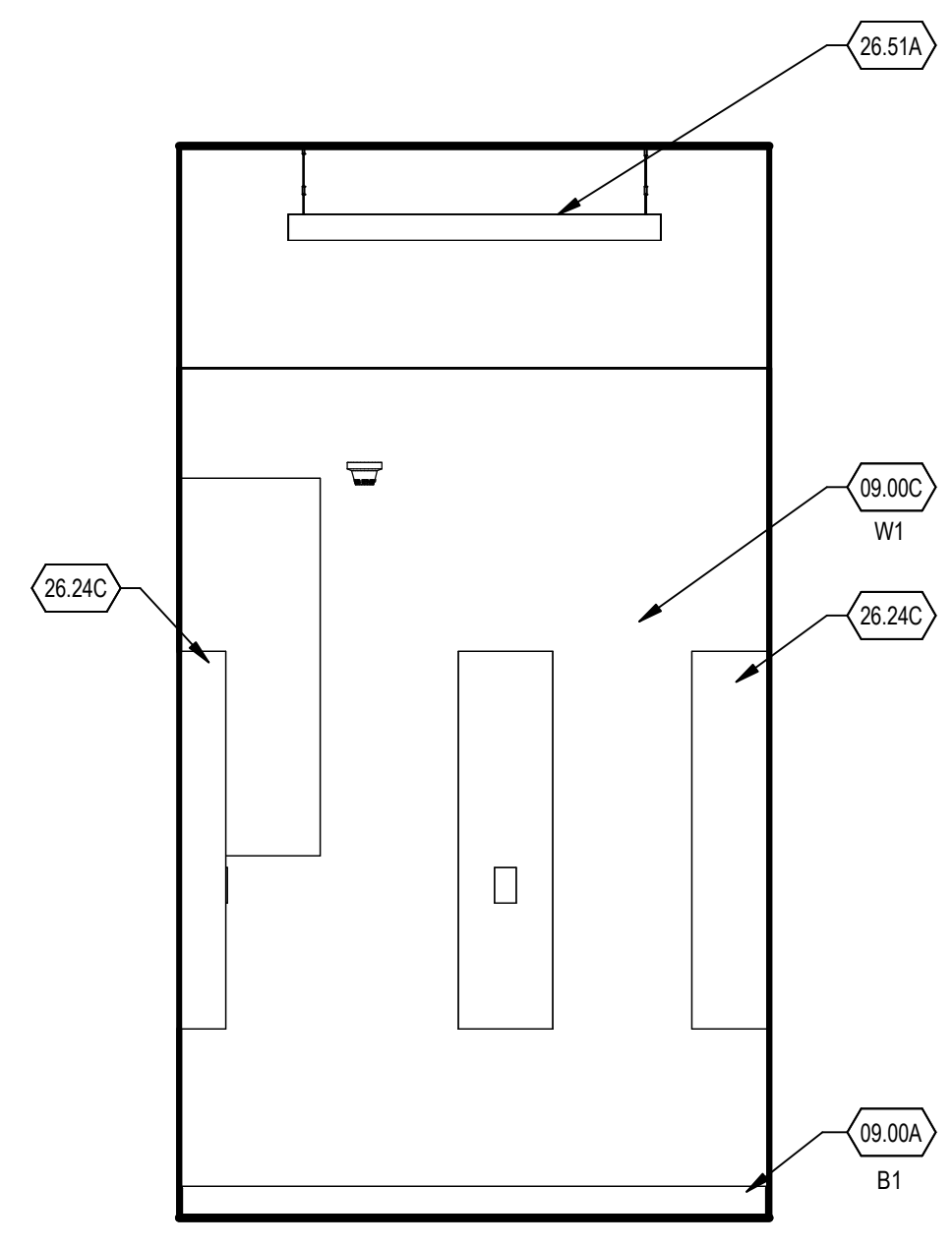
**D1** **STOR. 090 SOUTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



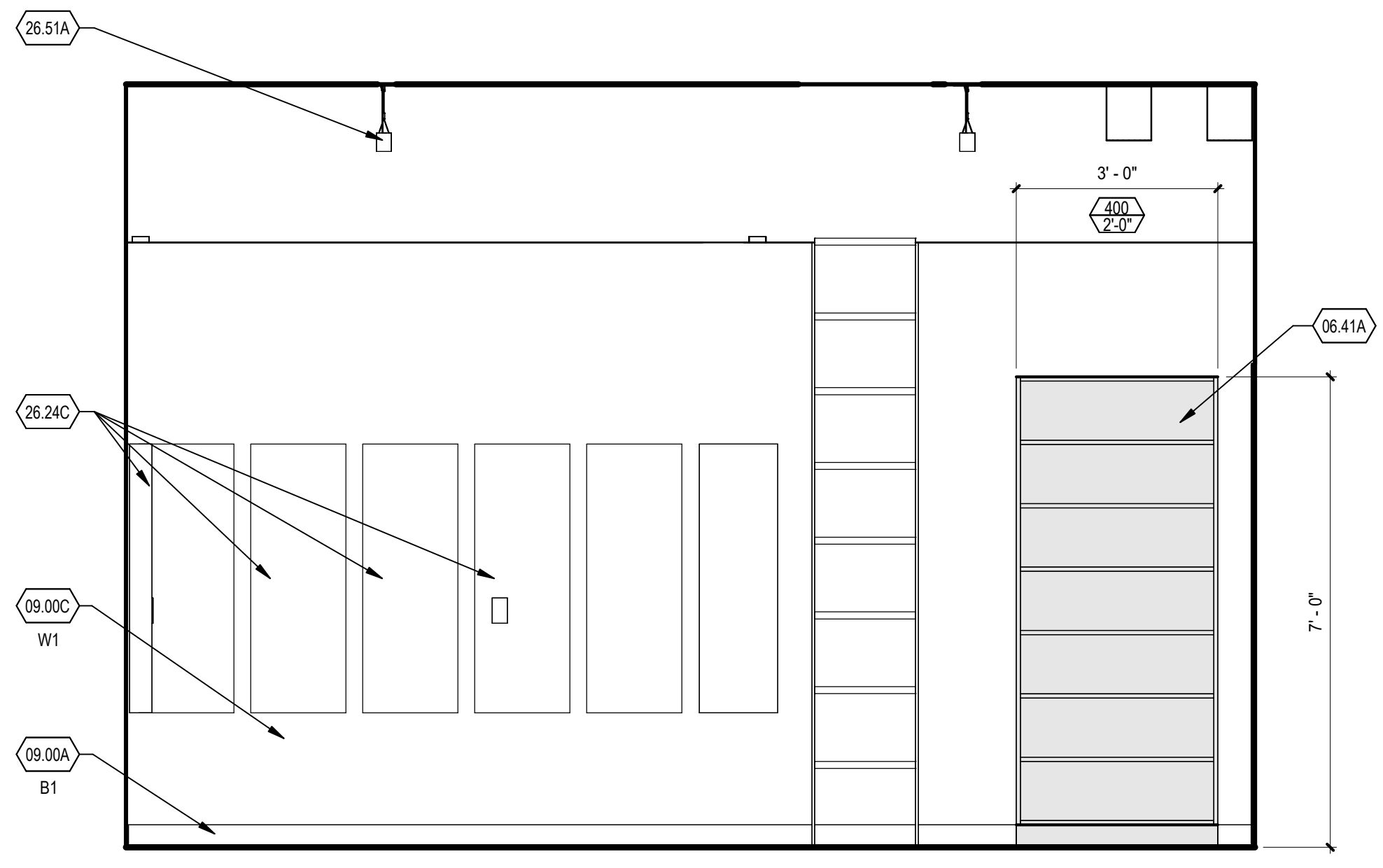
**B1** **STOR. 120 - EAST ELEVATION**  
 SCALE: 1/2" = 1'-0"



**B3** **STOR. 120 - SOUTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



**A1** **STOR. 120 - WEST ELEVATION**  
 SCALE: 1/2" = 1'-0"

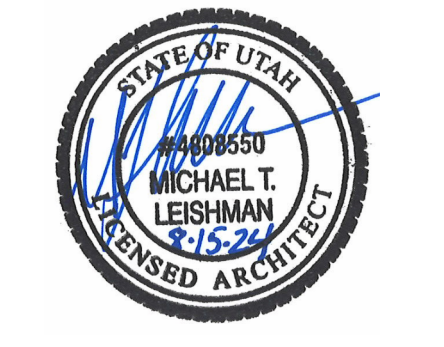


**A3** **STOR. 120 - NORTH ELEVATION**  
 SCALE: 1/2" = 1'-0"



CITY STAMP

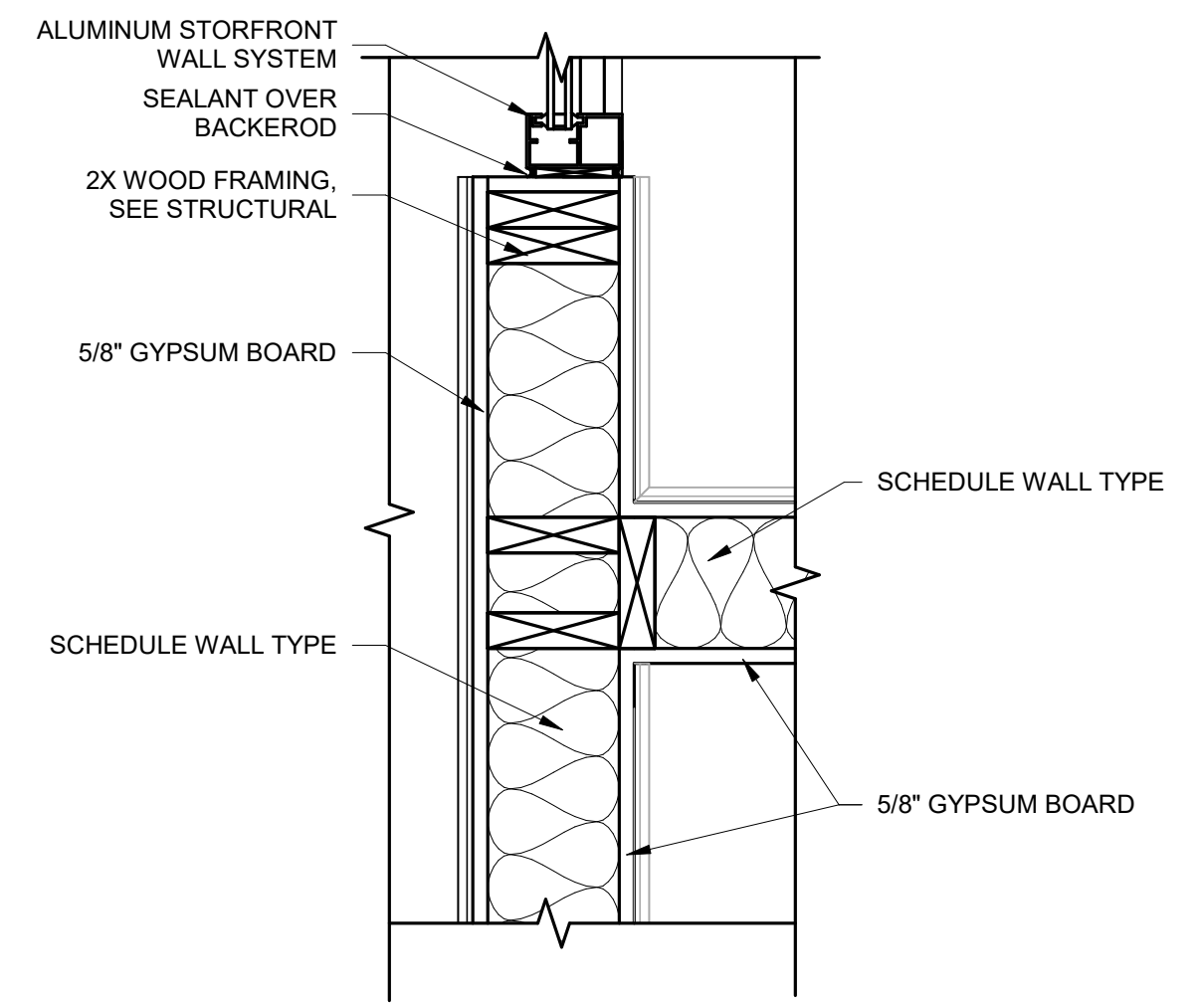
**LOGAN UT SR SEMINARY**  
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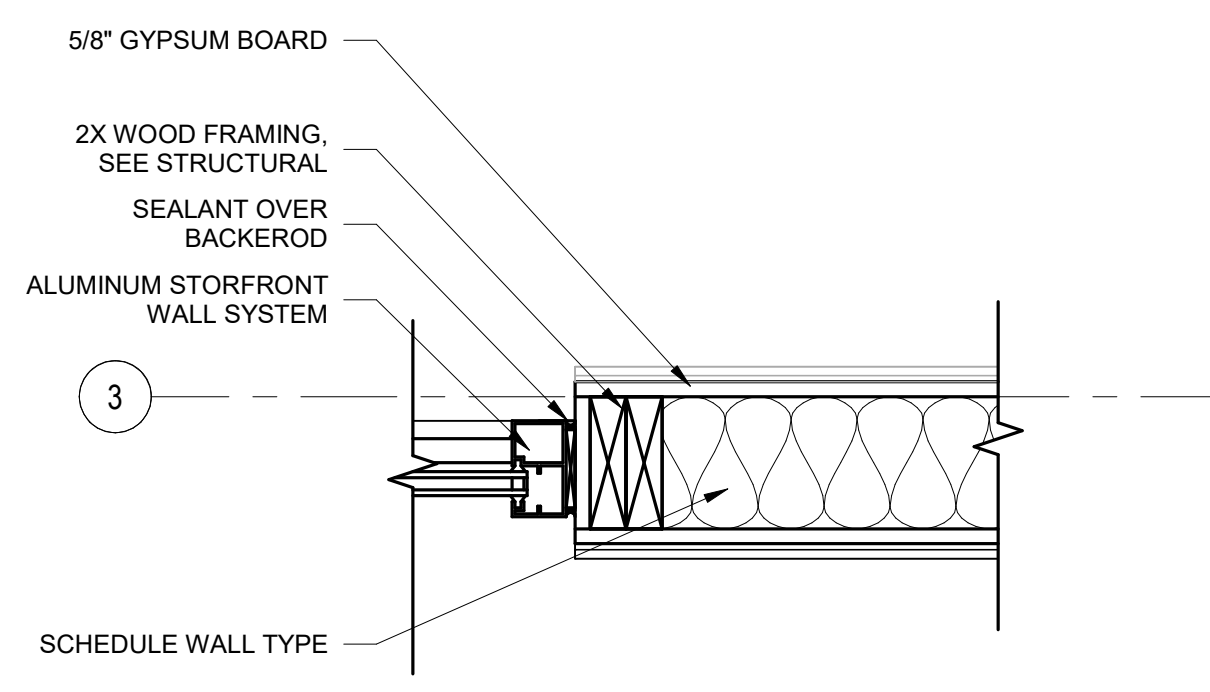
DATE	REVISION

PROJECT NUMBER 24003

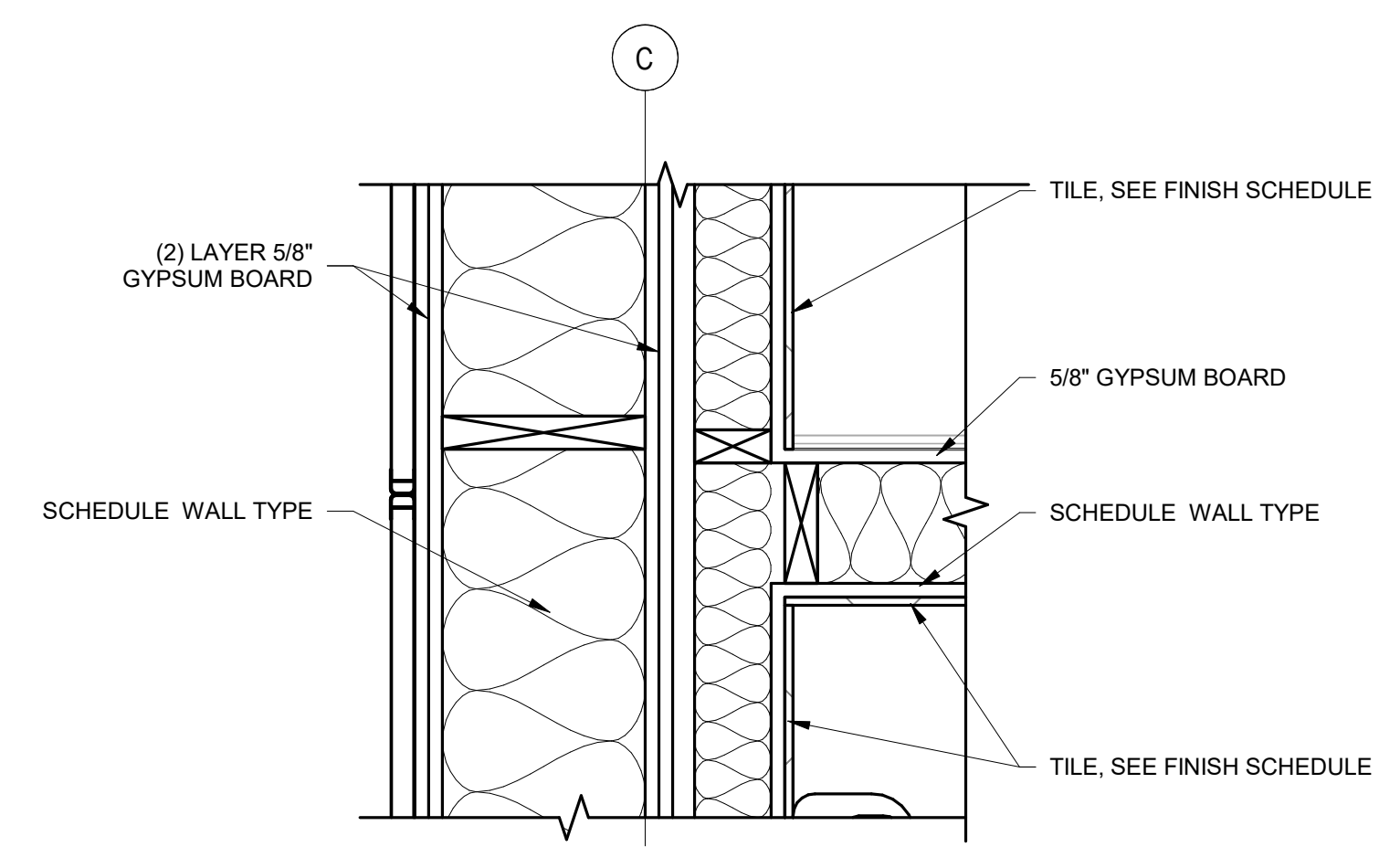
STORAGE - INT ELEV.



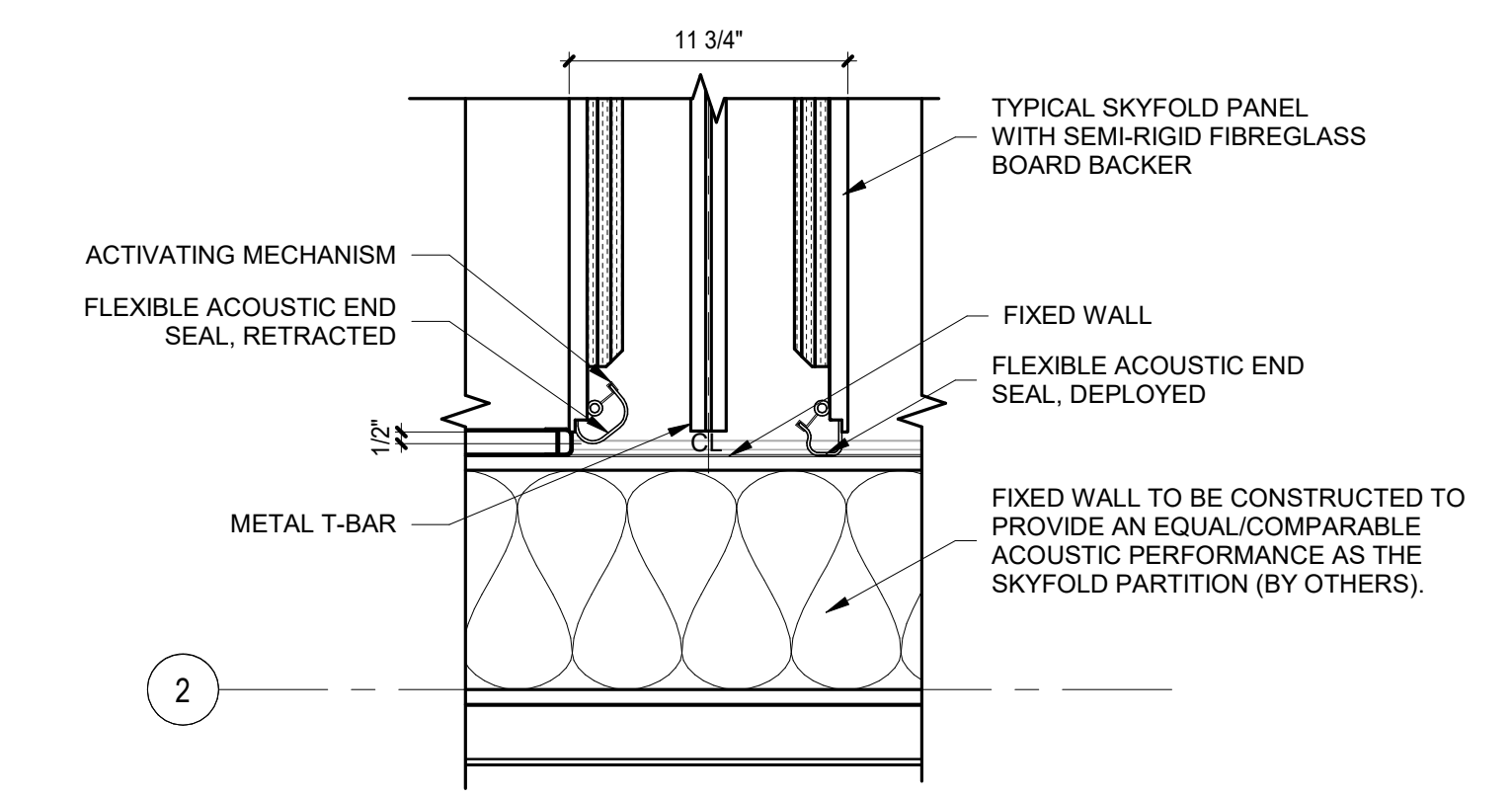
C1 PRINCIPAL 130 - PLAN DETAIL 11  
SCALE: 1 1/2" = 1'-0"



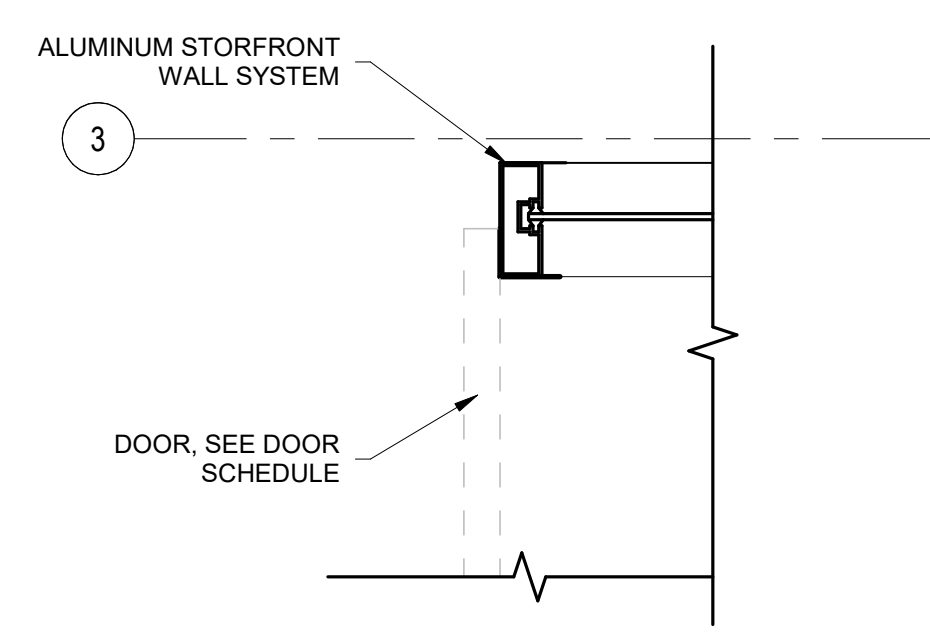
C2 PRINCIPAL 130 - PLAN DETAIL 10  
SCALE: 1 1/2" = 1'-0"



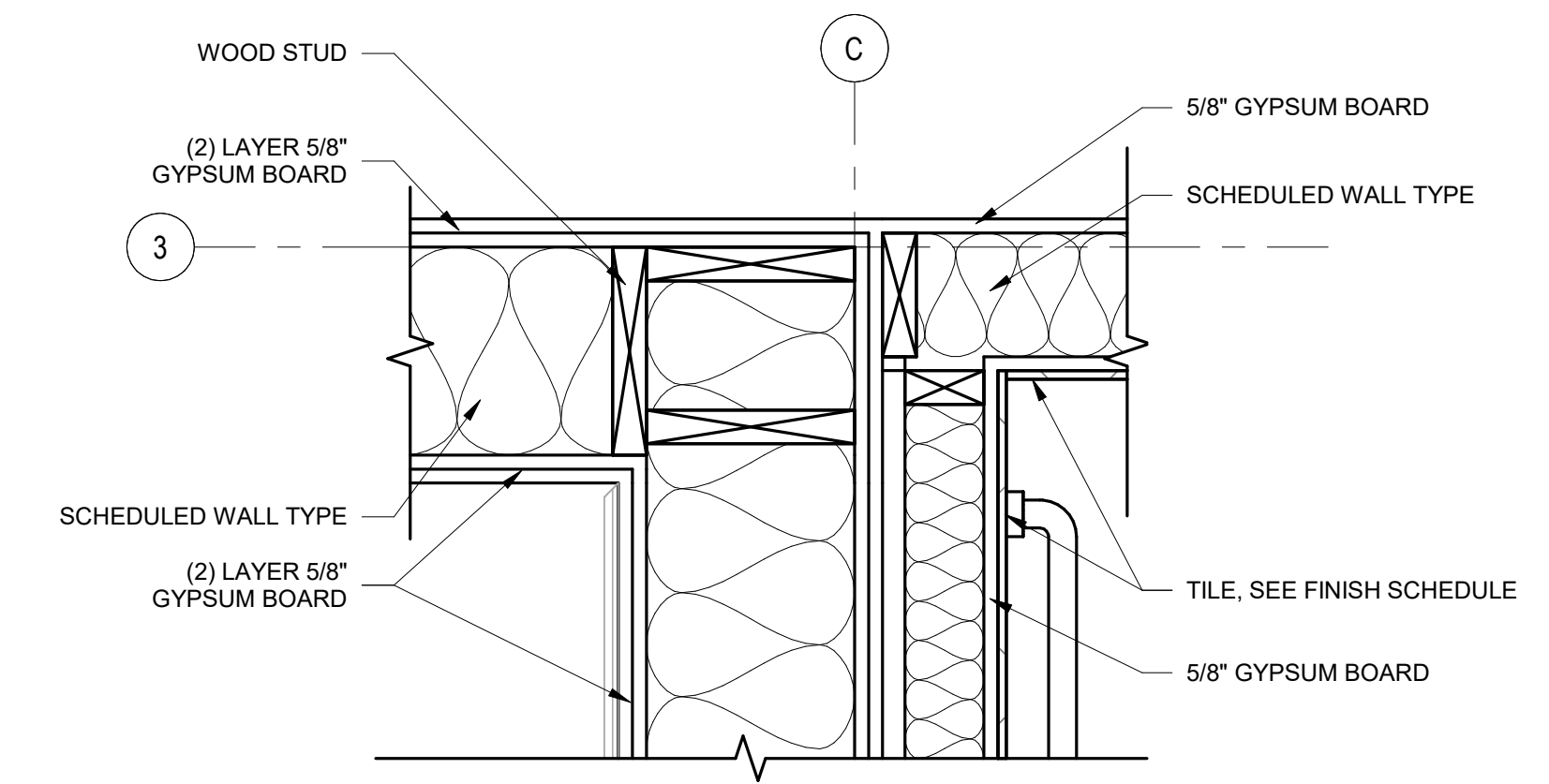
E4 ACOUSTIC WALL PLAN DETAIL  
SCALE: 1 1/2" = 1'-0"



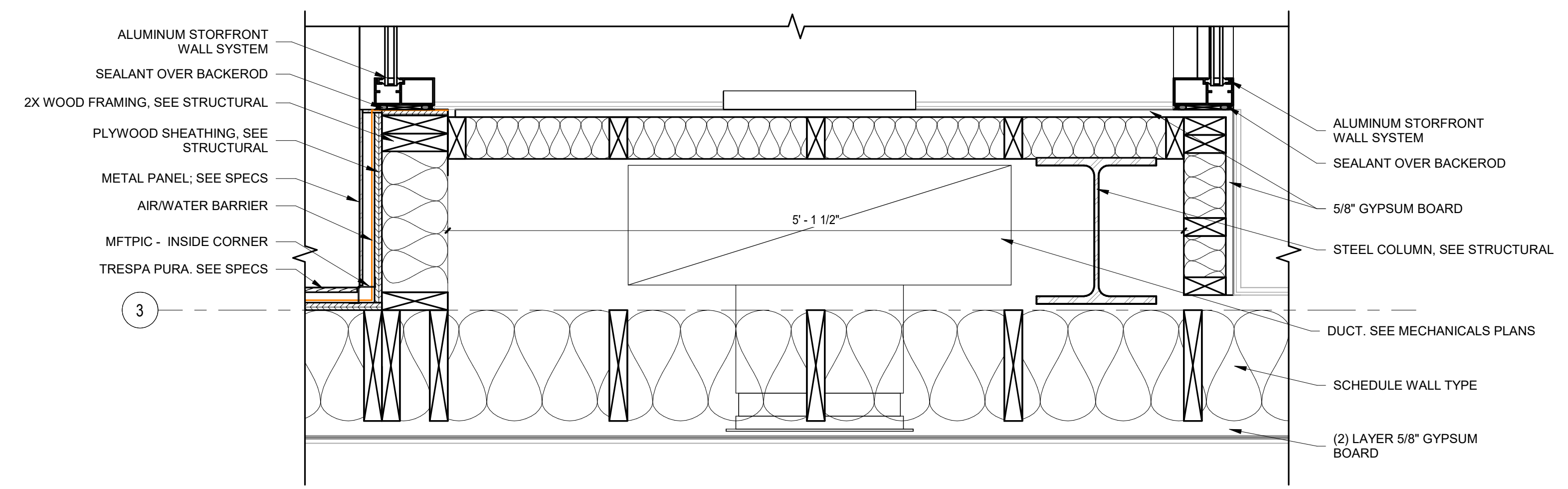
E5 FOYER/ADMIN. ASSISTANT 104 - PLAN DETAIL 12  
SCALE: 1 1/2" = 1'-0"



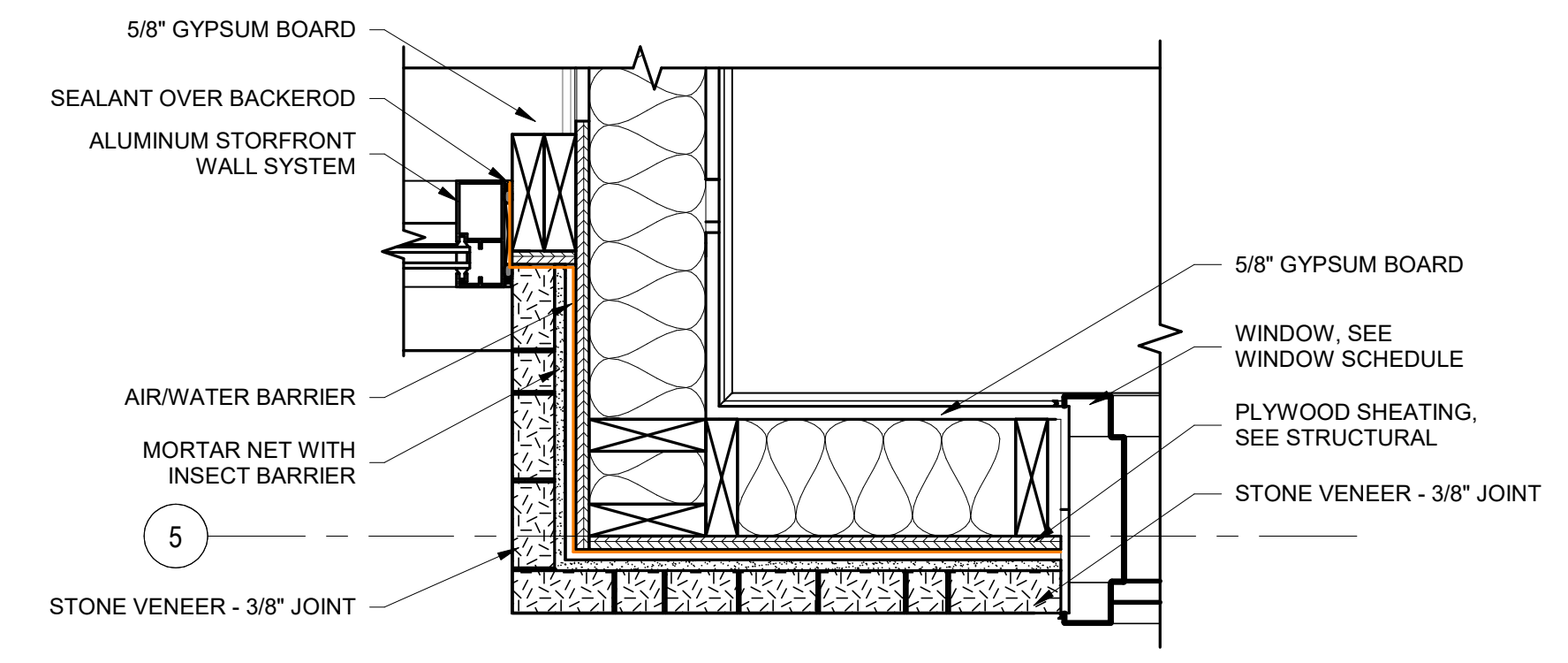
C4 PRINCIPAL 130 - PLAN DETAIL 09  
SCALE: 1 1/2" = 1'-0"



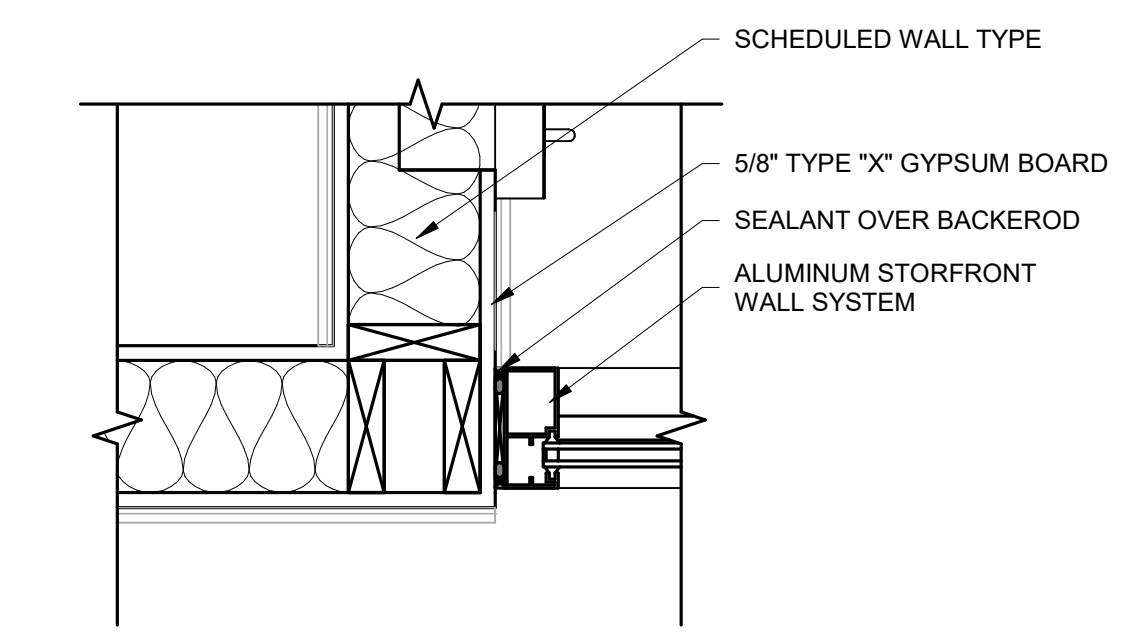
C5 ADA RESTROOM 110 - PLAN DETAIL 08  
SCALE: 1 1/2" = 1'-0"



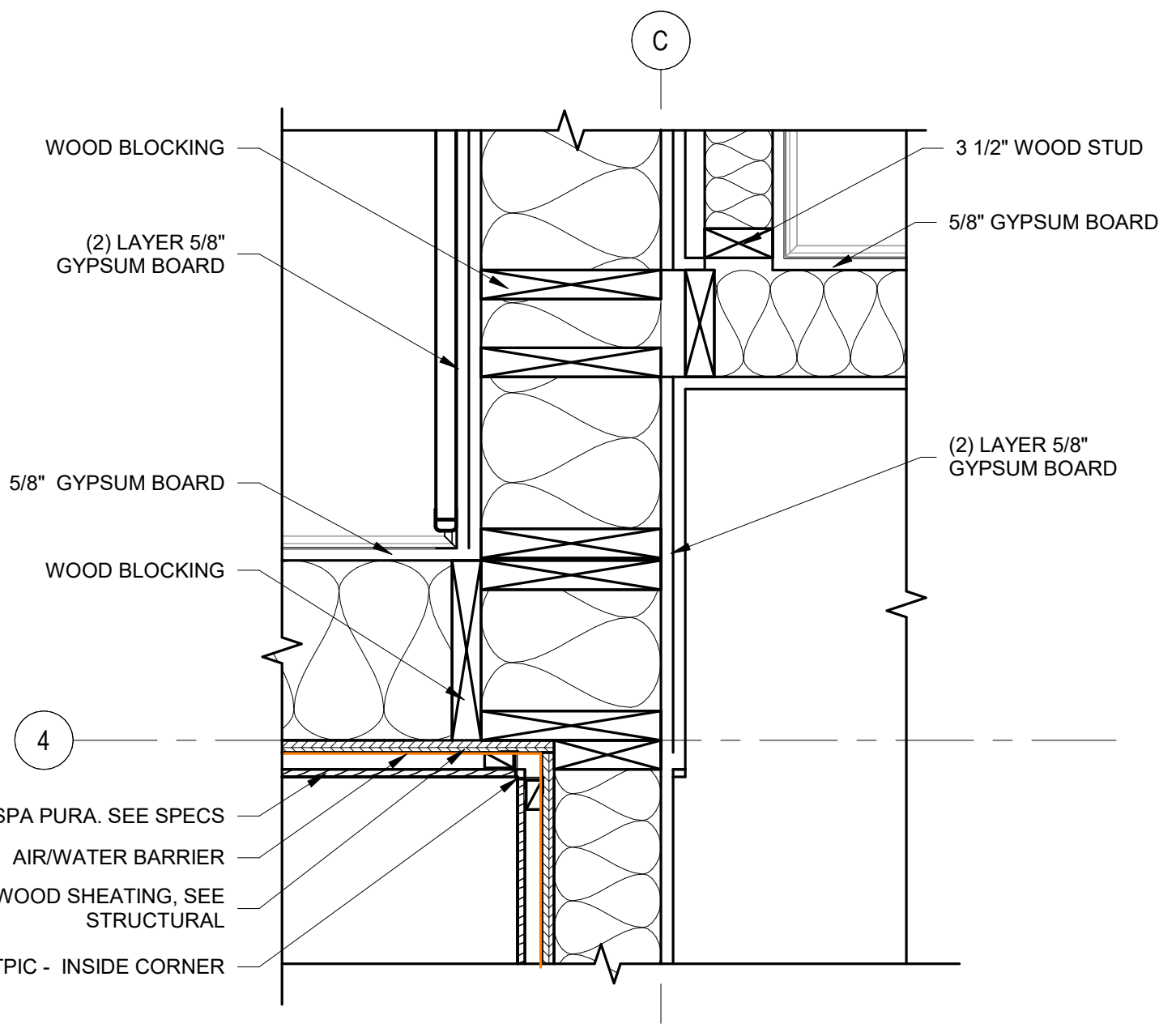
B1 VEST. 103 - PLAN DETAIL 07  
SCALE: 1 1/2" = 1'-0"



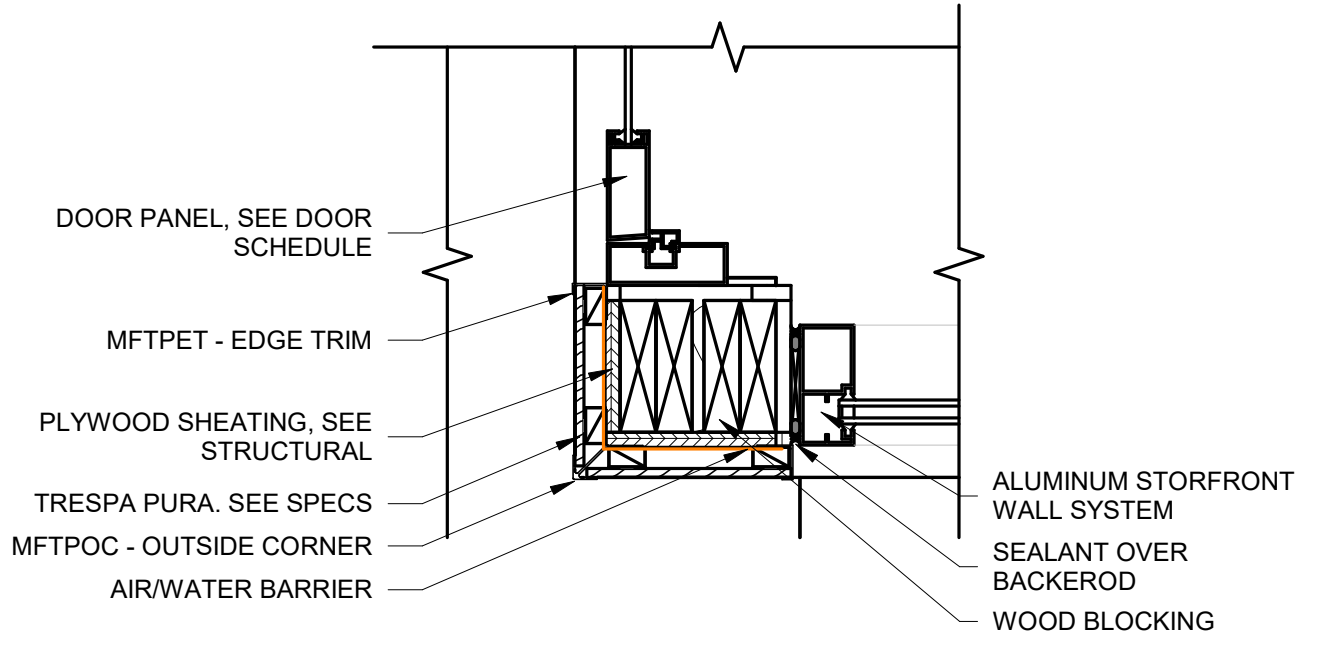
B4 QUIET STUDY 132 - PLAN DETAIL 06  
SCALE: 1 1/2" = 1'-0"



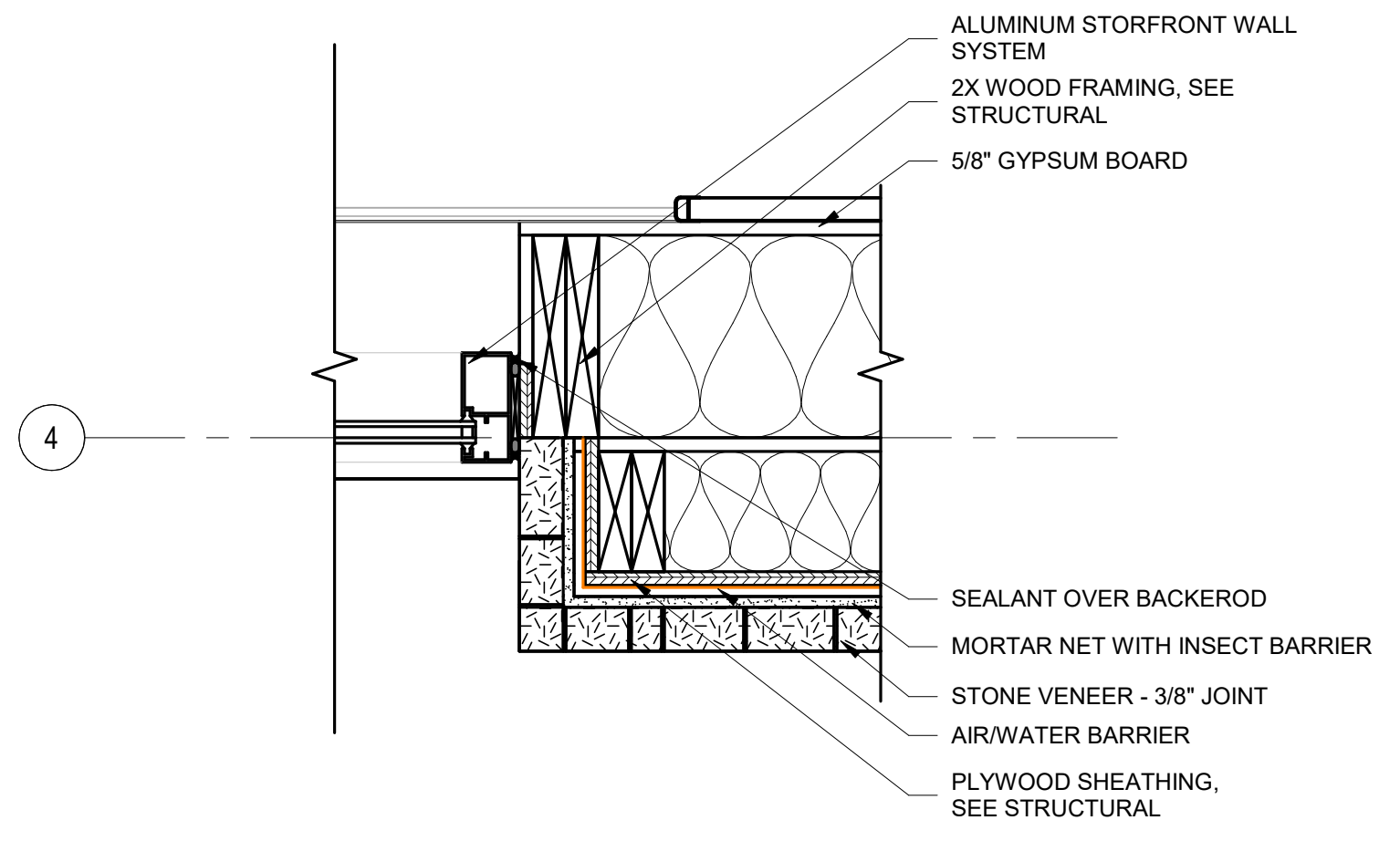
B5 CUST. 121 - PLAN DETAIL 05  
SCALE: 1 1/2" = 1'-0"



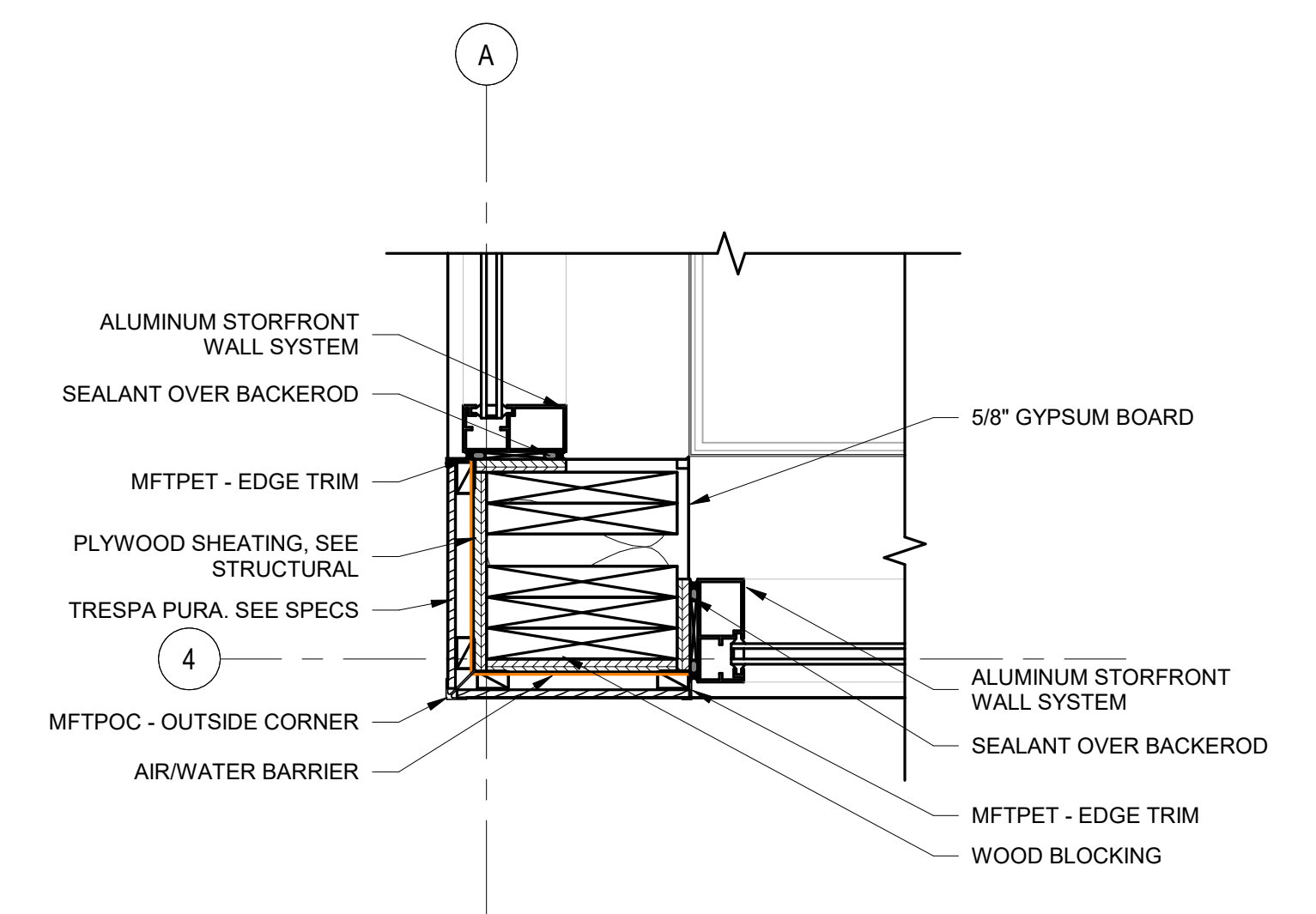
A2 CLASSROOM 106 - PLAN DETAIL 03  
SCALE: 1 1/2" = 1'-0"



A1 VEST 122 - PLAN DETAIL 04  
SCALE: 1 1/2" = 1'-0"



A4 CLASSROOM 106 - PLAN DETAIL 02  
SCALE: 1 1/2" = 1'-0"



A5 CLASSROOM 106 - PLAN DETAIL 01  
SCALE: 1 1/2" = 1'-0"



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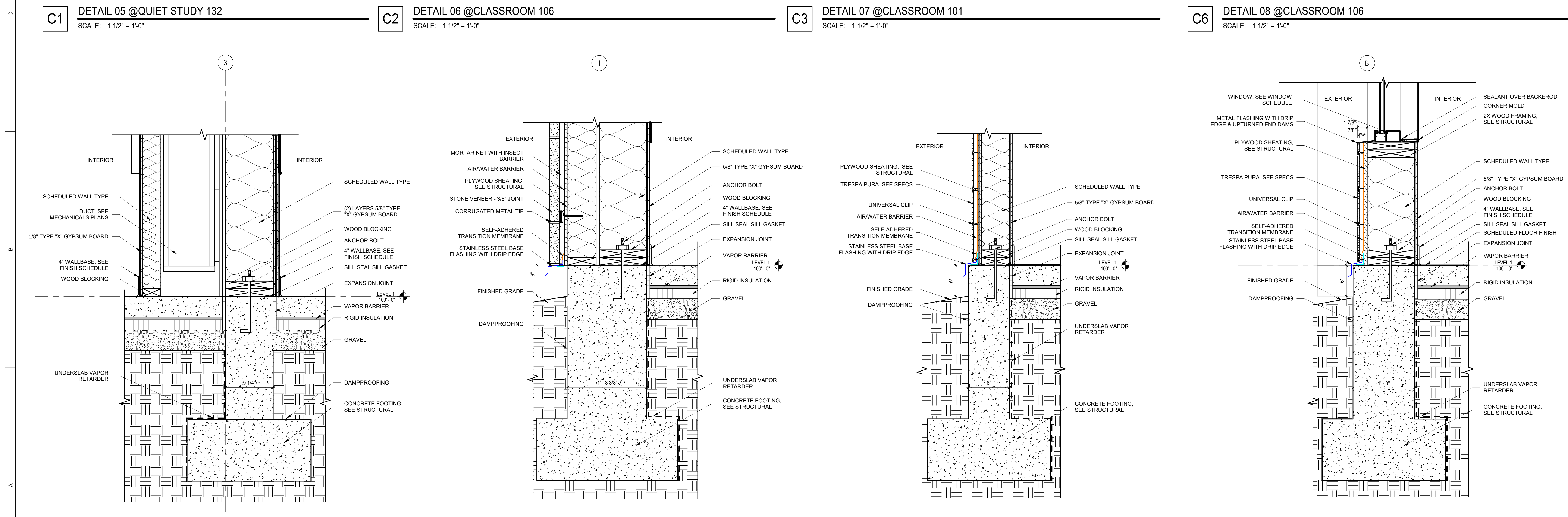
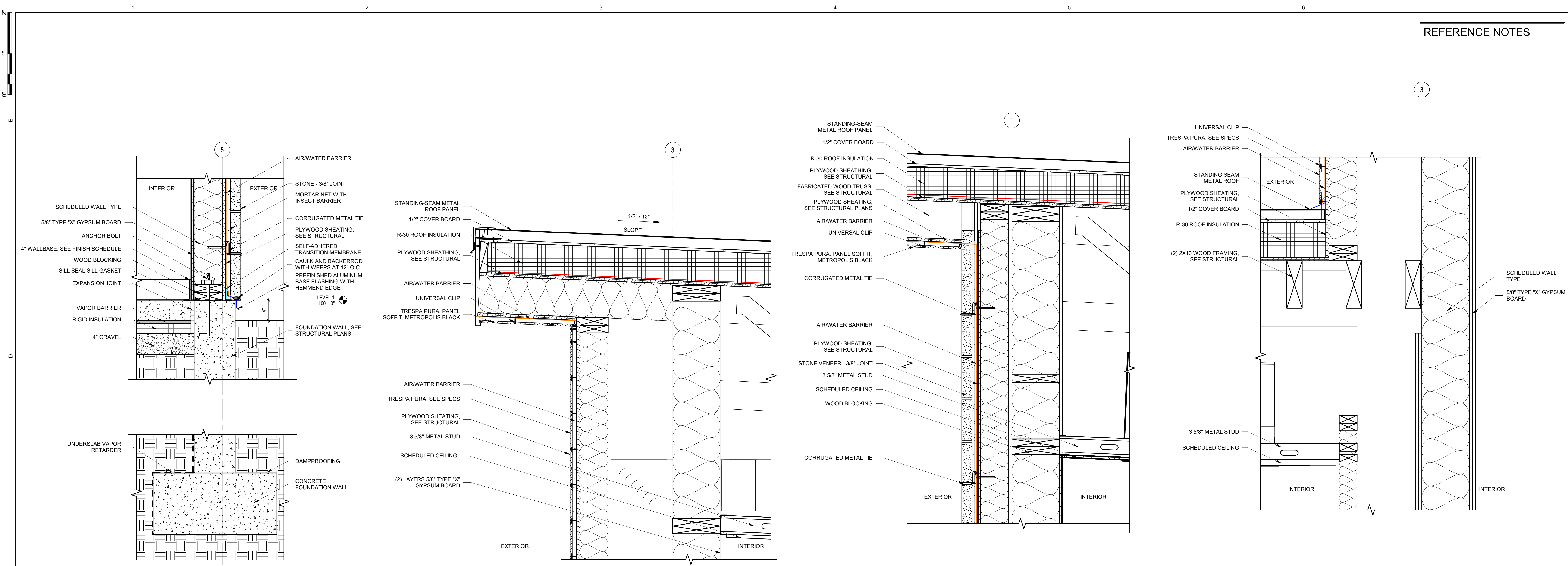
DETAILS



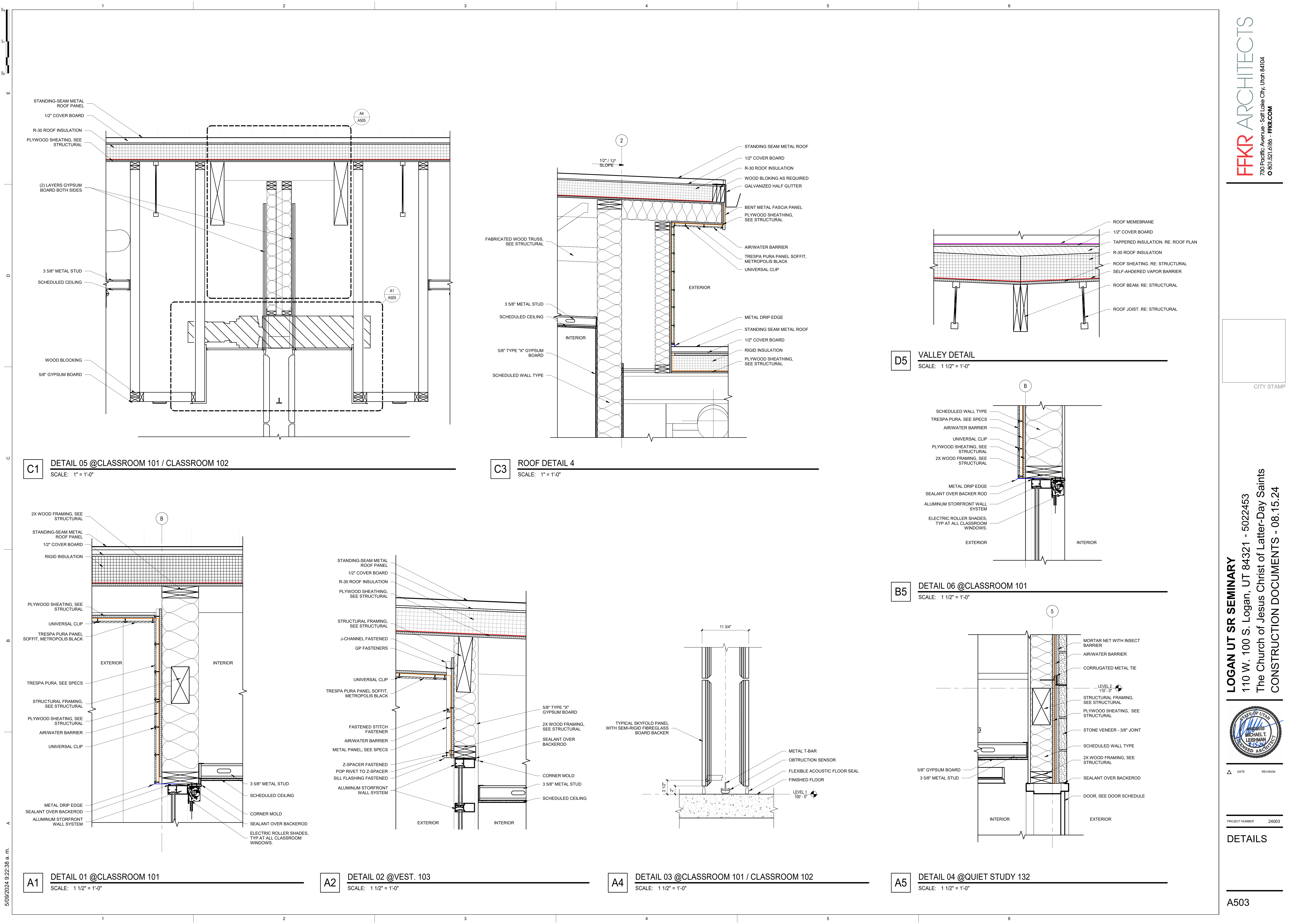
DATE REVISION

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DETAILS



5/09/2024 9:22:36 a.m.



**C1** DETAIL 05 @CLASSROOM 101 / CLASSROOM 102  
SCALE: 1" = 1'-0"

**C3** ROOF DETAIL 4  
SCALE: 1" = 1'-0"

**D5** VALLEY DETAIL  
SCALE: 1 1/2" = 1'-0"

**B5** DETAIL 06 @CLASSROOM 101  
SCALE: 1 1/2" = 1'-0"

**A1** DETAIL 01 @CLASSROOM 101  
SCALE: 1 1/2" = 1'-0"

**A2** DETAIL 02 @VEST. 103  
SCALE: 1 1/2" = 1'-0"

**A4** DETAIL 03 @CLASSROOM 101 / CLASSROOM 102  
SCALE: 1 1/2" = 1'-0"

**A5** DETAIL 04 @QUIET STUDY 132  
SCALE: 1 1/2" = 1'-0"

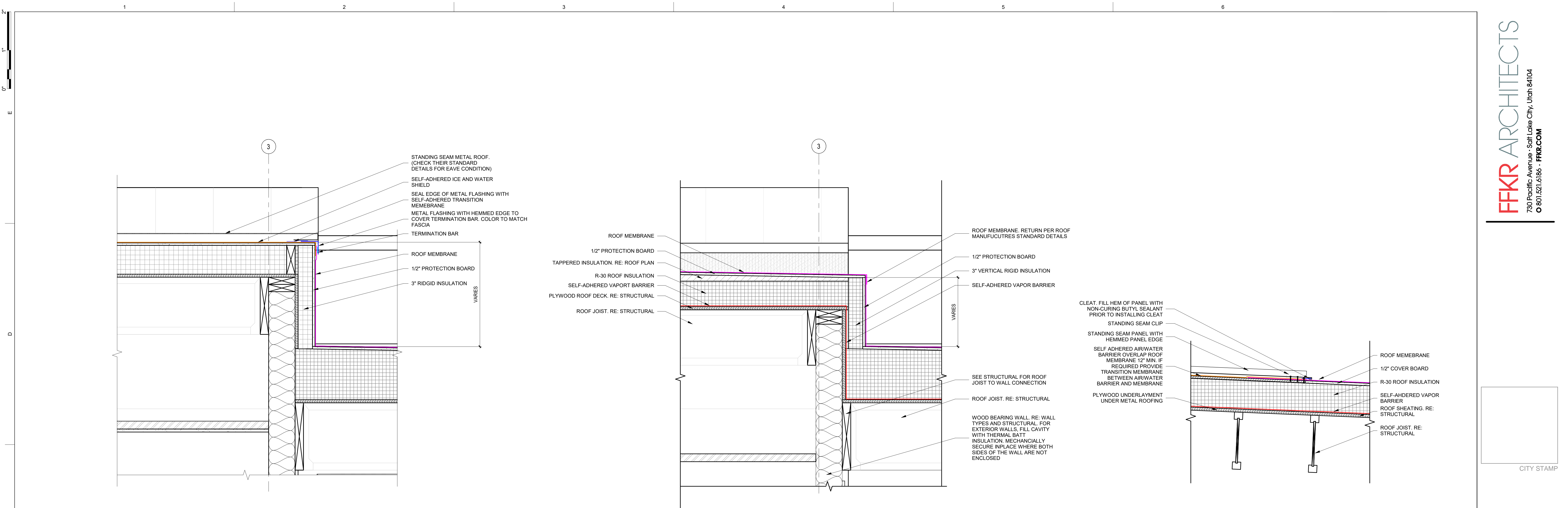


DATE	REVISION

PROJECT NUMBER 24003

DETAILS

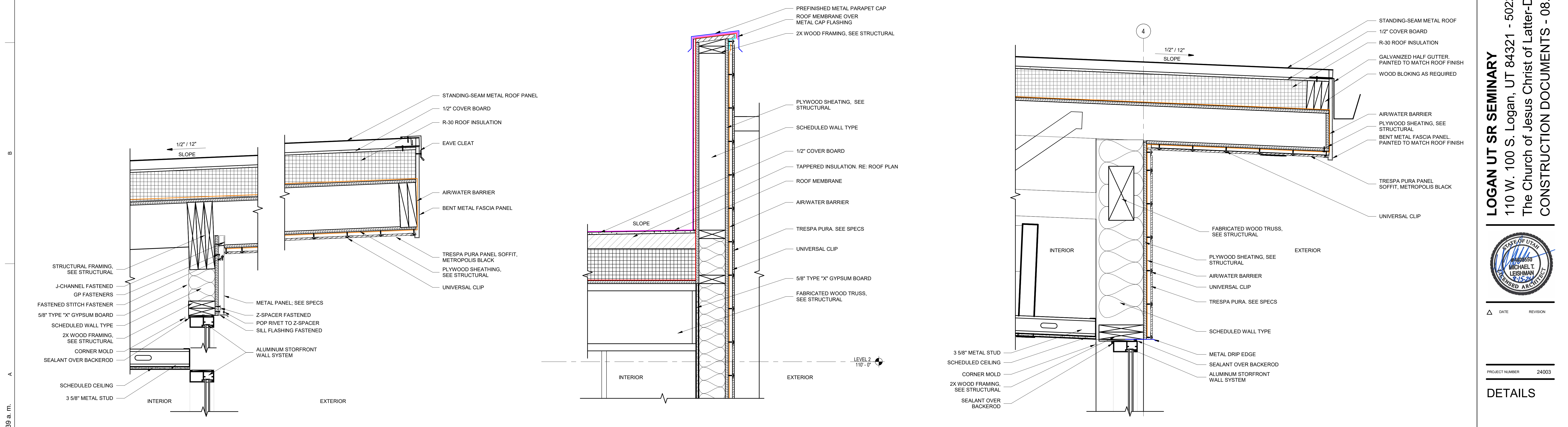
5/09/2024 9:22:38 a.m.



**D1** ROOF DETAIL 04  
SCALE: 1 1/2" = 1'-0"

**D3** ROOF TRANSITION DETAIL  
SCALE: 1 1/2" = 1'-0"

**D4** ROOF TRANSITION DETAIL  
SCALE: 1 1/2" = 1'-0"



**A1** ROOF DETAIL 01  
SCALE: 1 1/2" = 1'-0"

**A3** ROOF DETAIL 02  
SCALE: 1 1/2" = 1'-0"

**A5** ROOF DETAIL 03  
SCALE: 1 1/2" = 1'-0"

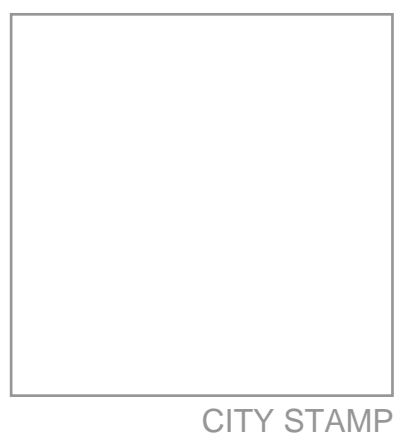


DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_

PROJECT NUMBER: 24003

**DETAILS**

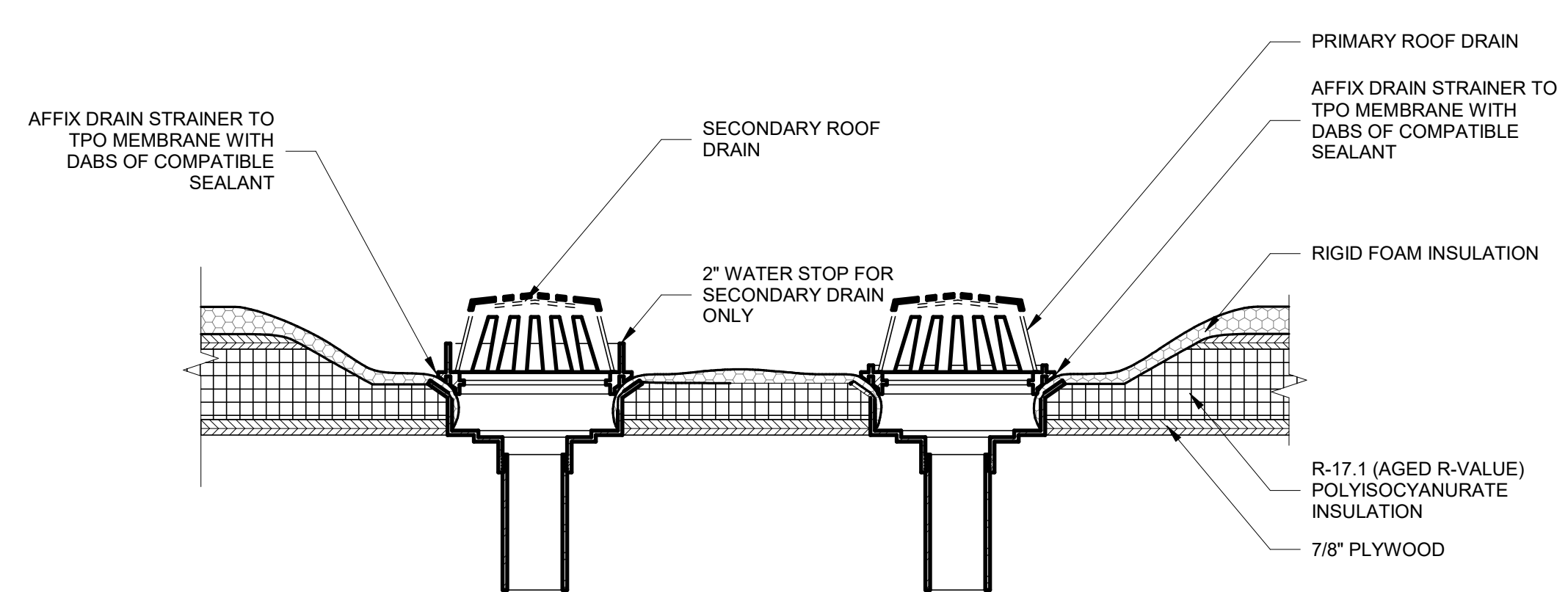
5/09/2024 9:22:39 a.m.



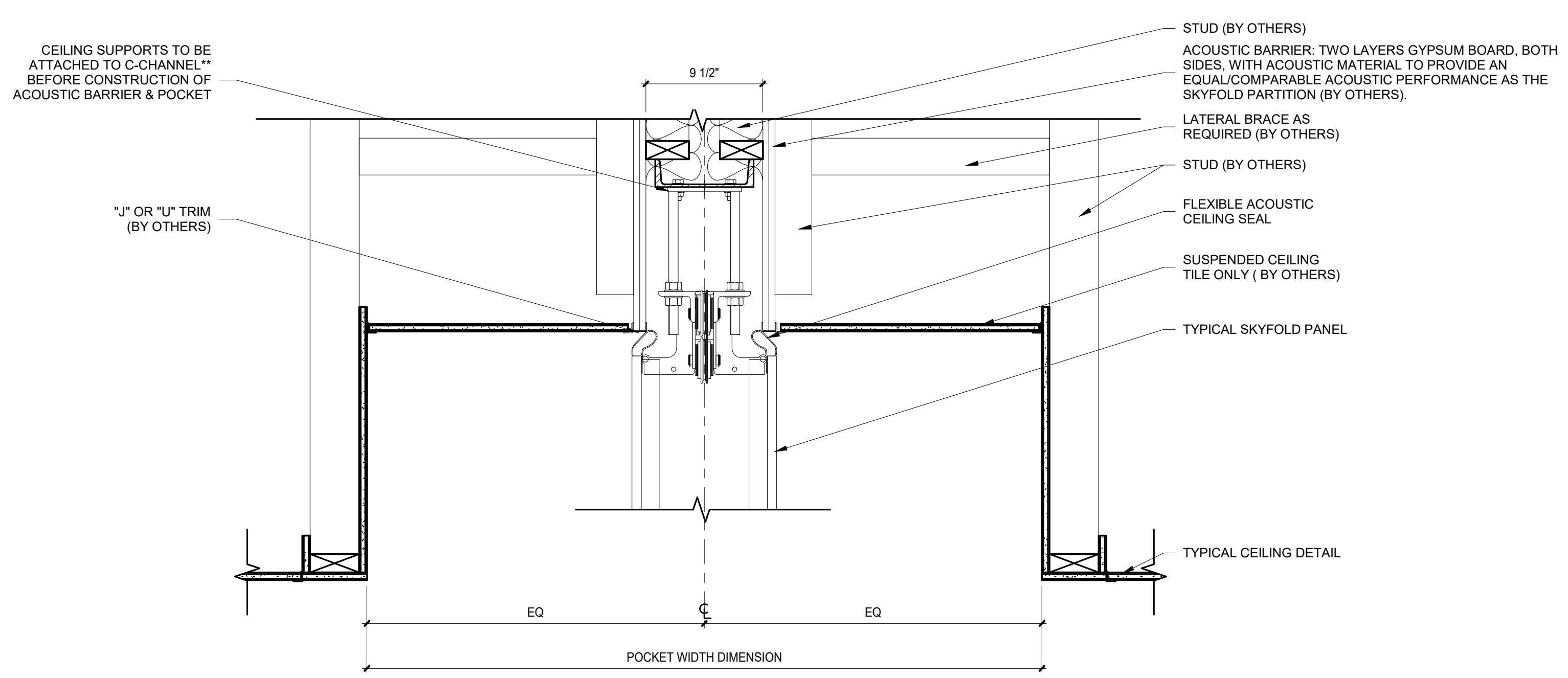
DATE	REVISION

PROJECT NUMBER 24003

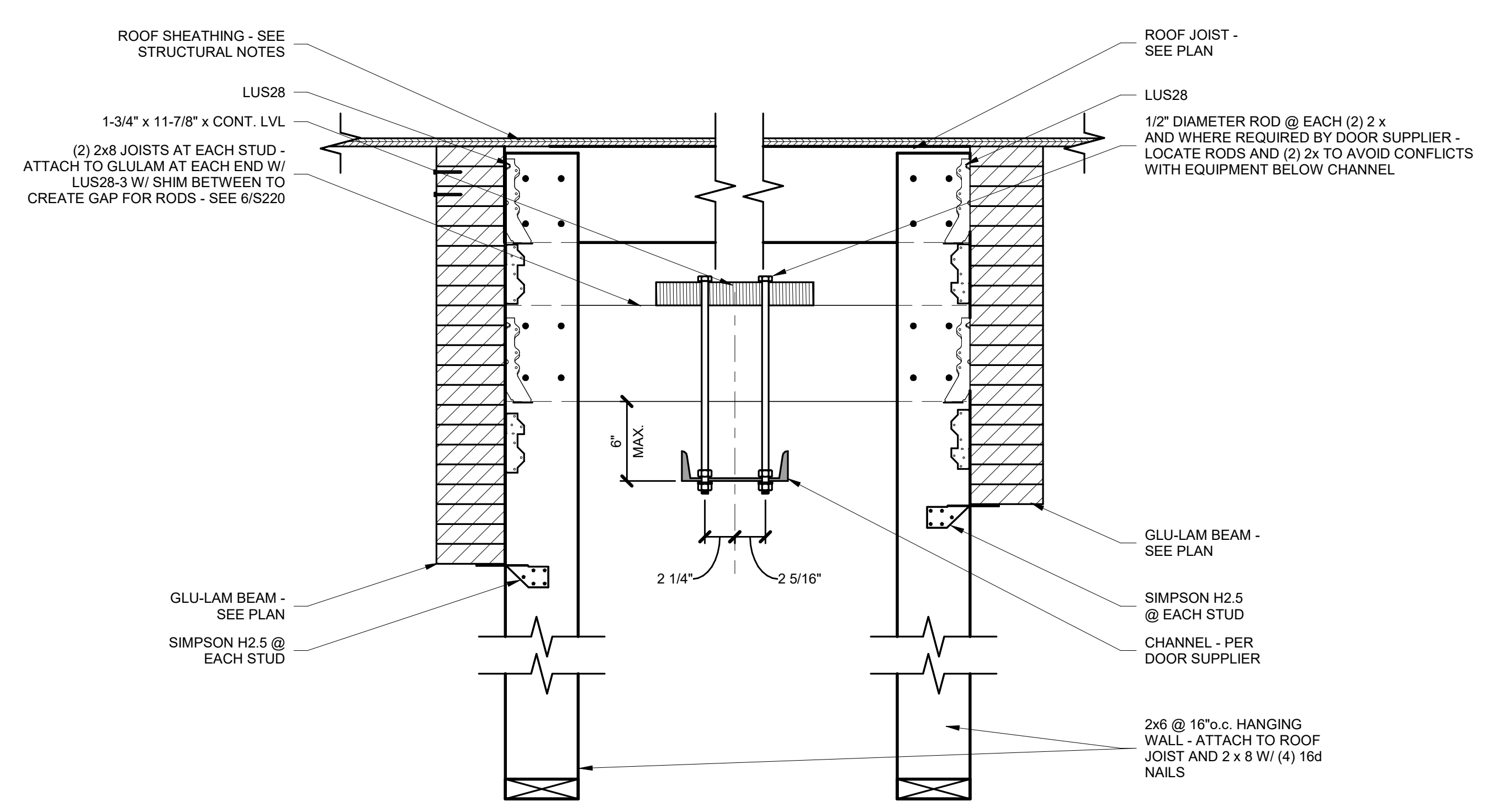
**DETAILS**



**C1** TYP. ROOF DRAIN DETAIL  
 SCALE: 1 1/2" = 1'-0"

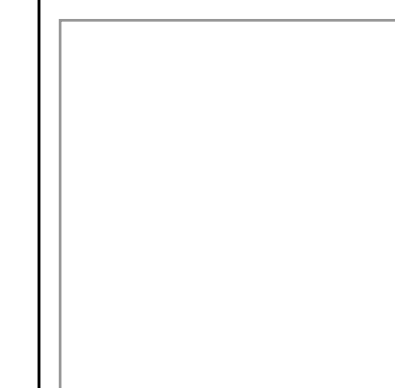


**A1** POCKET DETAIL  
 SCALE: 1 1/2" = 1'-0"



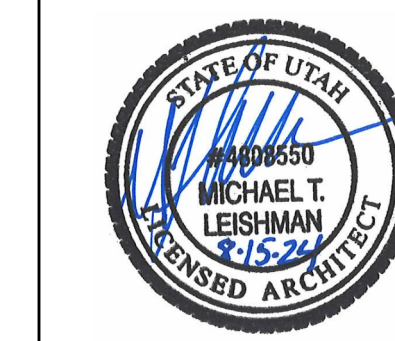
**A4** POCKET DETAIL STRUCTURAL  
 SCALE: 1 1/2" = 1'-0"

5/09/2024 9:22:39 a.m.



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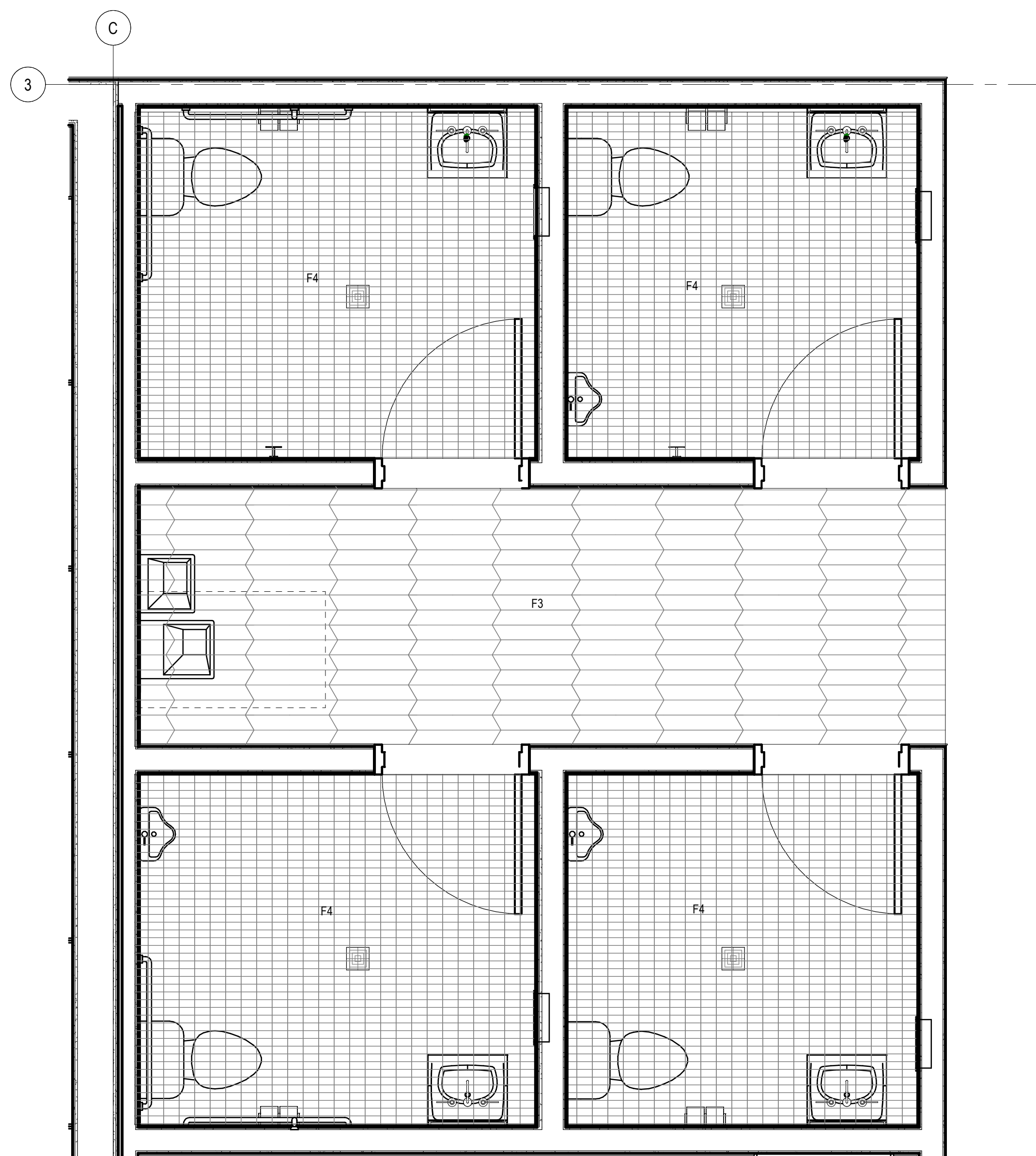


DATE REVISION

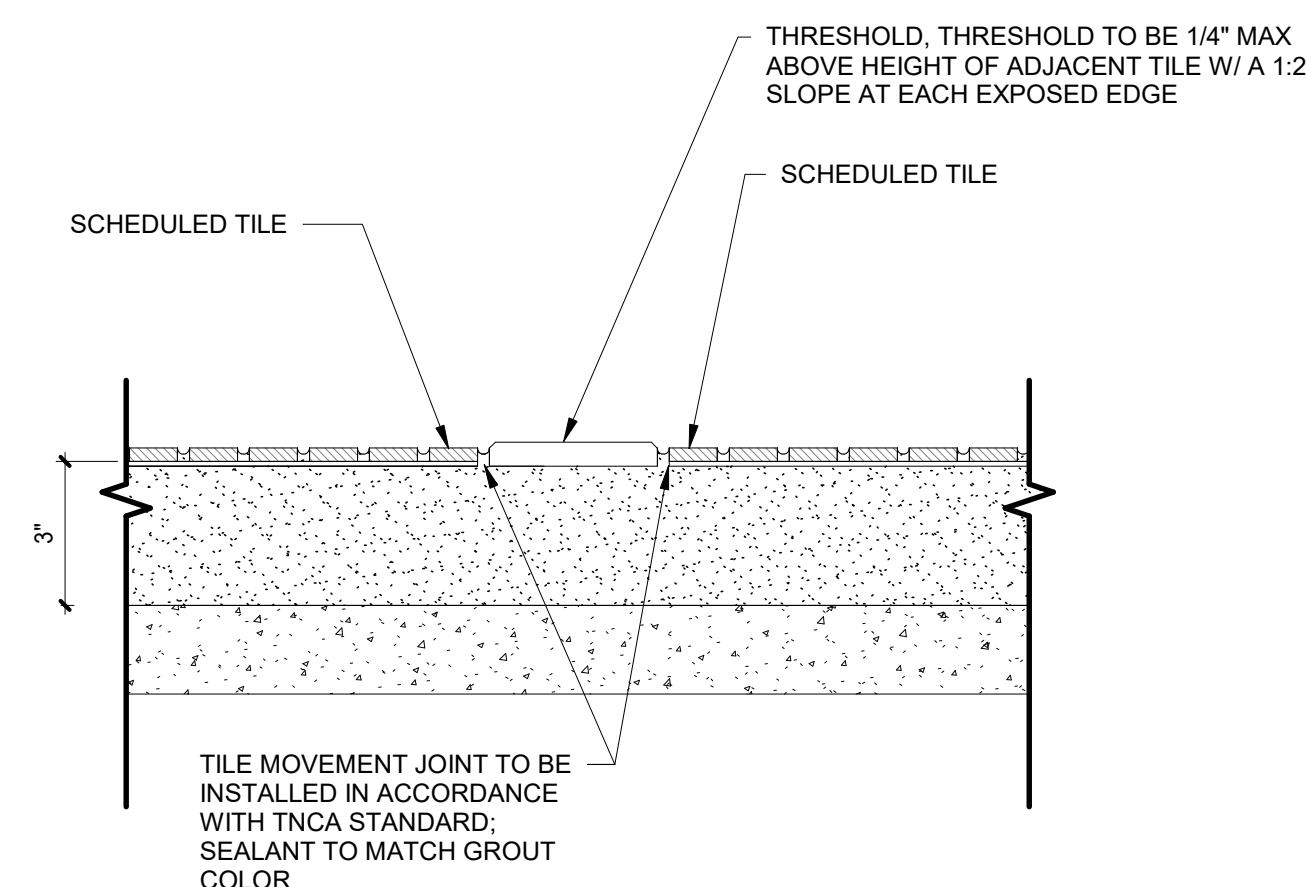
PROJECT NUMBER 24003

FLOOR  
PATTERN /  
TRANSITION  
DETAILS

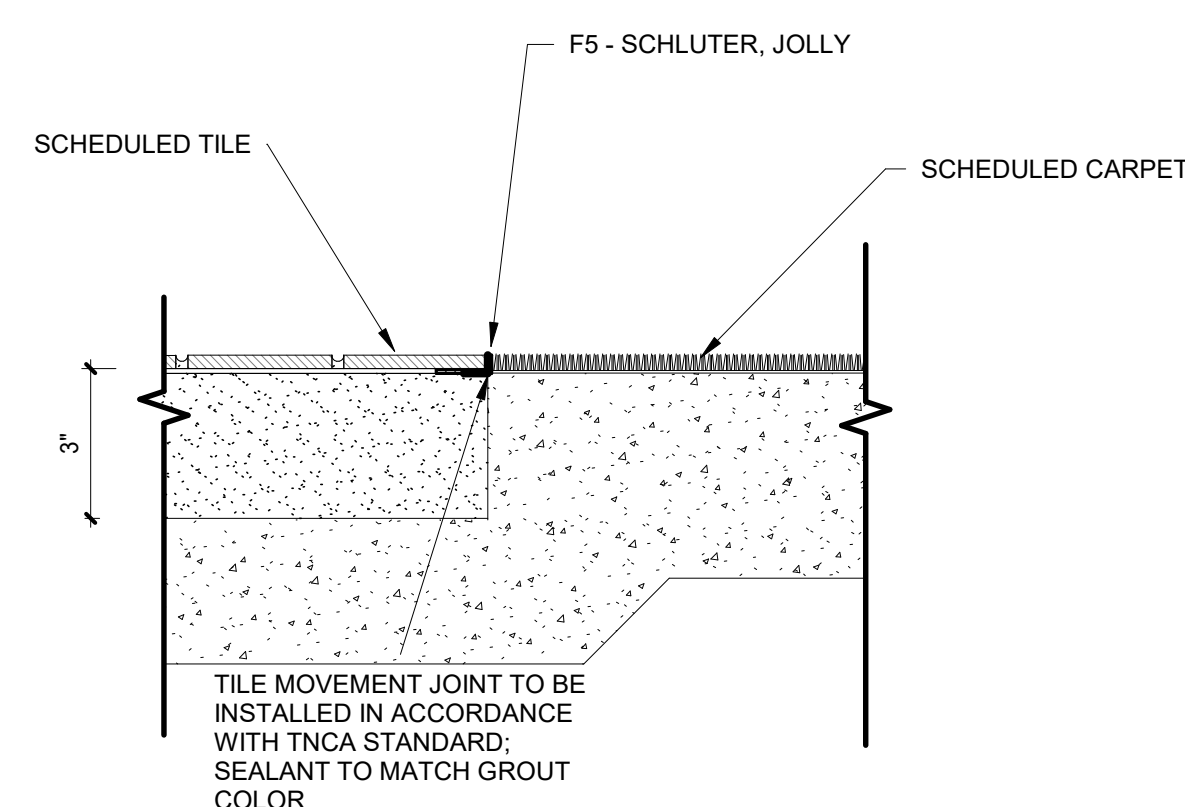
A506



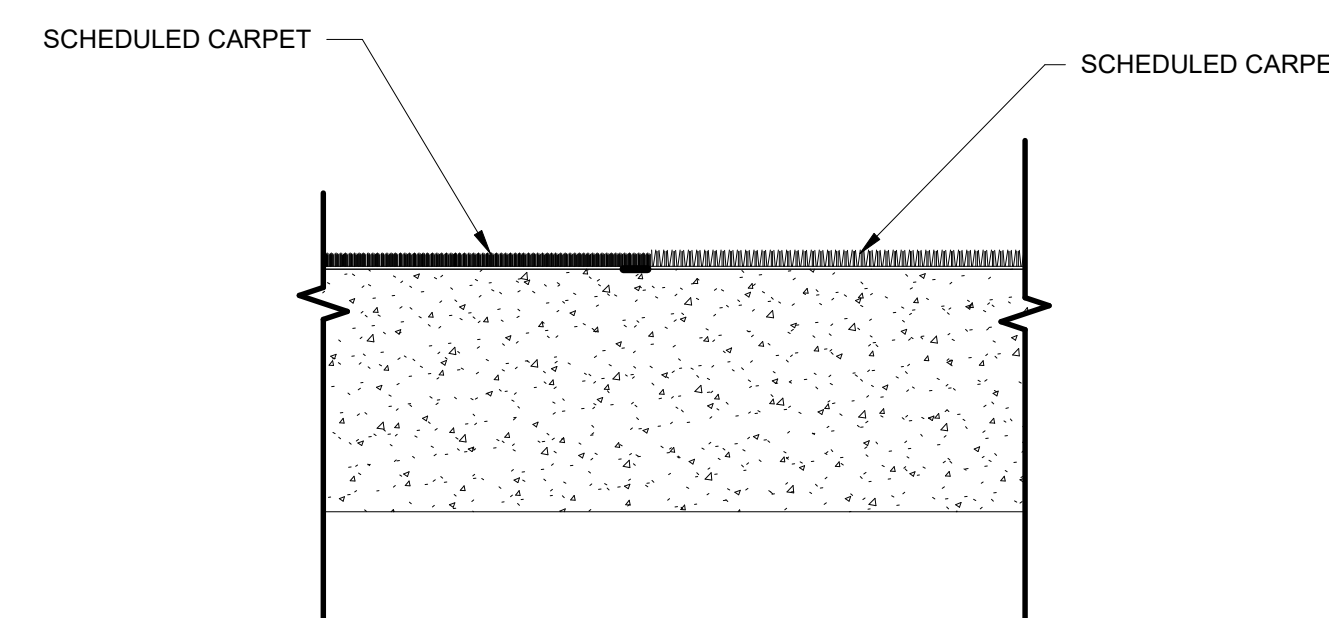
**C1** FLOOR TILE PATTERN  
SCALE: 1/2" = 1'-0"



**A1** FLOOR TRANSITION - TILE TO TILE  
SCALE: 3" = 1'-0"



**A3** FLOOR TRANSITION - TILE TO CARPET  
SCALE: 3" = 1'-0"



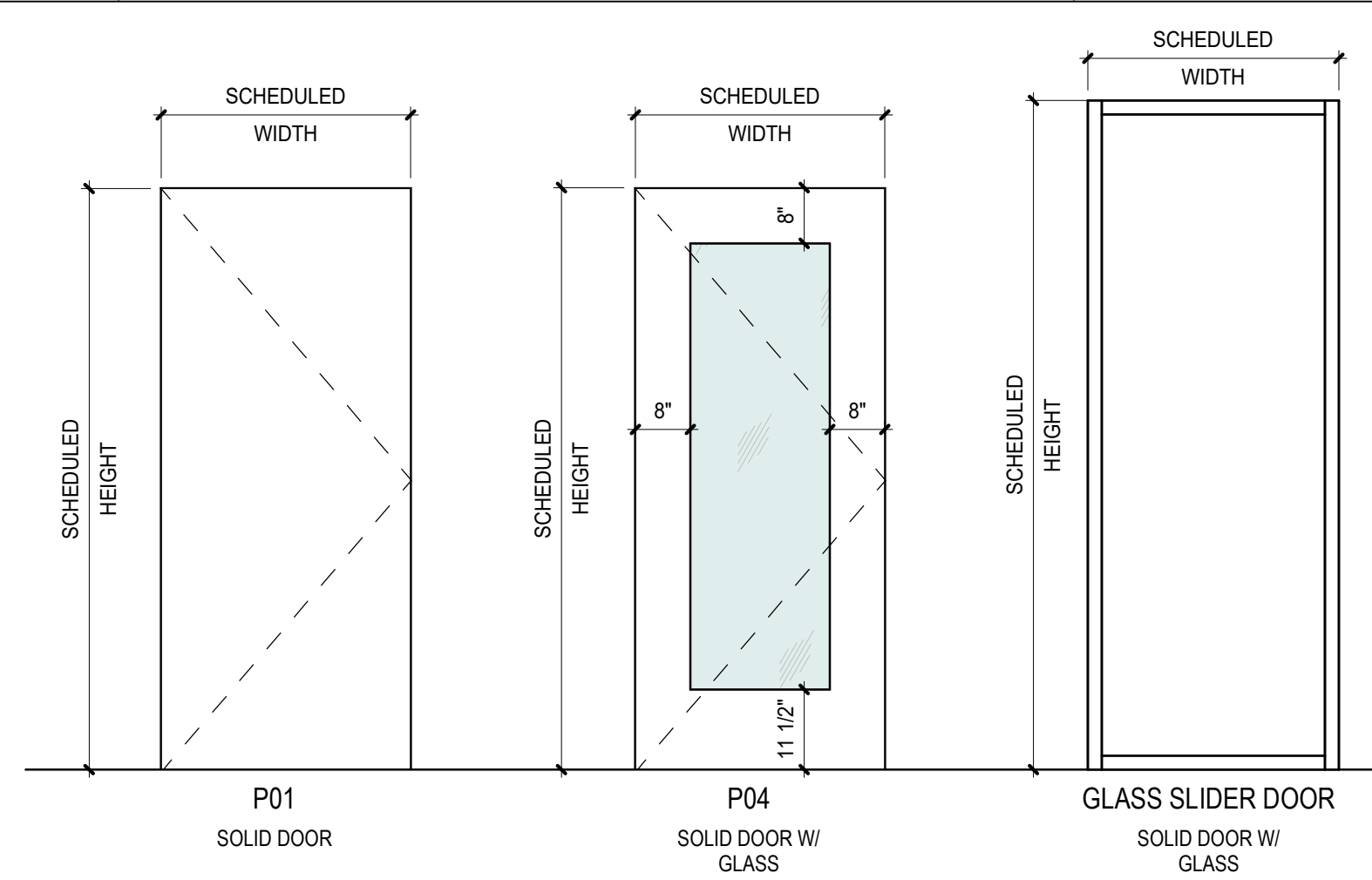
**A5** FLOOR TRANSITION - CARPET TO CARPET  
SCALE: 3" = 1'-0"

5/09/2024 9:22:40 a.m.

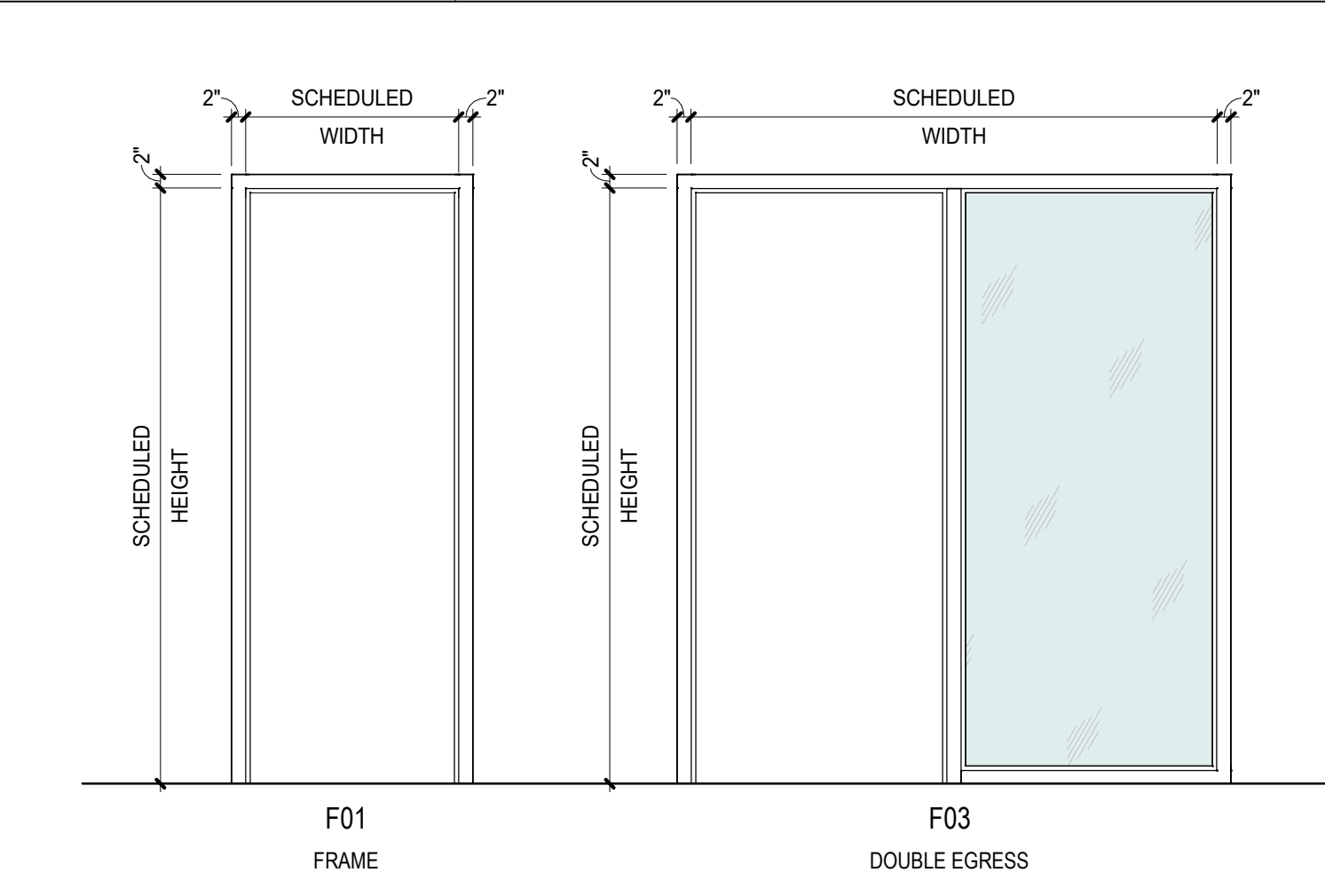


DOOR AND FRAME SCHEDULE													
DOOR NUMBER	DOOR SIZE			LEAF 1 TYPE	LEAF 2 TYPE	MATERIAL	FRAME			FIRE RATING	HARDWARE GROUP	NOTES	REVISIONS
	WIDTH	HEIGHT	THICK				TYPE	MATERIAL					
LEVEL 0													
990	3'-6"	7'-0"	1 3/4"	P01		Wood	F01	HM		5.0			
LEVEL 1													
101	3'-0"	8'-0"	1 3/4"	P04		Wood	F03	HM		6.0			
102	3'-0"	8'-0"	1 3/4"	P04		Wood	F03	HM		6.0			
103A	6'-0"	8'-0"	1 1/4"	P01	P01	Glass	*	*		1.0			
103B	6'-0"	8'-0"	1 1/4"	P01	P01	Glass	*	*		2.0			
105A	6'-0"	8'-0"	1 1/4"	P01	P01	Glass	*	*		1.0			
105B	6'-0"	8'-0"	1 1/4"	P01	P01	Glass	*	*		2.0			
106	3'-0"	8'-0"	1 3/4"	P04		Wood	F03	HM		6.0			
110	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		7.0			
111	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		7.0			
112	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		7.0			
113	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		7.0			
120	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		10.0			
121	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		10.0			
122A	3'-0"	8'-0"	1 3/4"	P04		Wood	F01	HM		3.0			
122B	3'-0"	8'-0"	1 3/4"	P04		Wood	F01	HM		4.0			
125	3'-0"	7'-0"	1 3/4"	P01		Wood	F01	HM		5.0			
130	3'-0"	8'-6"	1 1/2"	Glass Slider door		Glass	*	*		8.0			
131	3'-0"	8'-6"	1 1/2"	Glass Slider door		Glass	*	*		9.0			
132	3'-0"	8'-6"	1 1/2"	Glass Slider door		Glass	*	*		9.0			
133	3'-0"	8'-6"	1 1/2"	Glass Slider door		Glass	*	*		9.0			

**E4** DOOR PANELS  
SCALE: 1/2" = 1'-0"

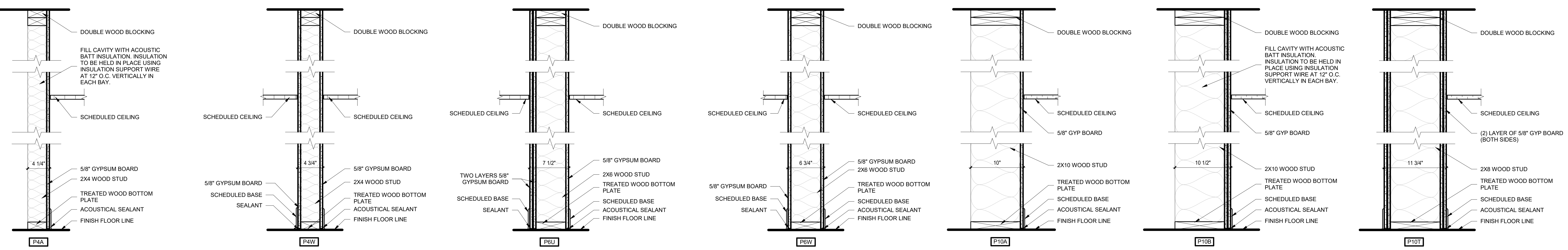


**E5** DOOR FRAMES  
SCALE: 1/2" = 1'-0"



REFERENCE NOTES

- WALL TYPE NOTES:**
- A. IN ALL RESTROOMS USE WATER RESISTANT GYPSUM BOARD
  - B. PROVIDE 1/2" CEMENT BACKER BOARD BEHIND ALL TILE AT RESTROOMS, MOP SINK, AND DRINKING FOUNTAIN



**P** PARTITION TYPE P  
SCALE: 1 1/2" = 1'-0"



DATE REVISION

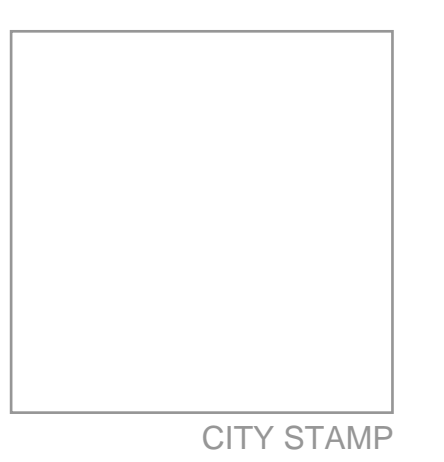
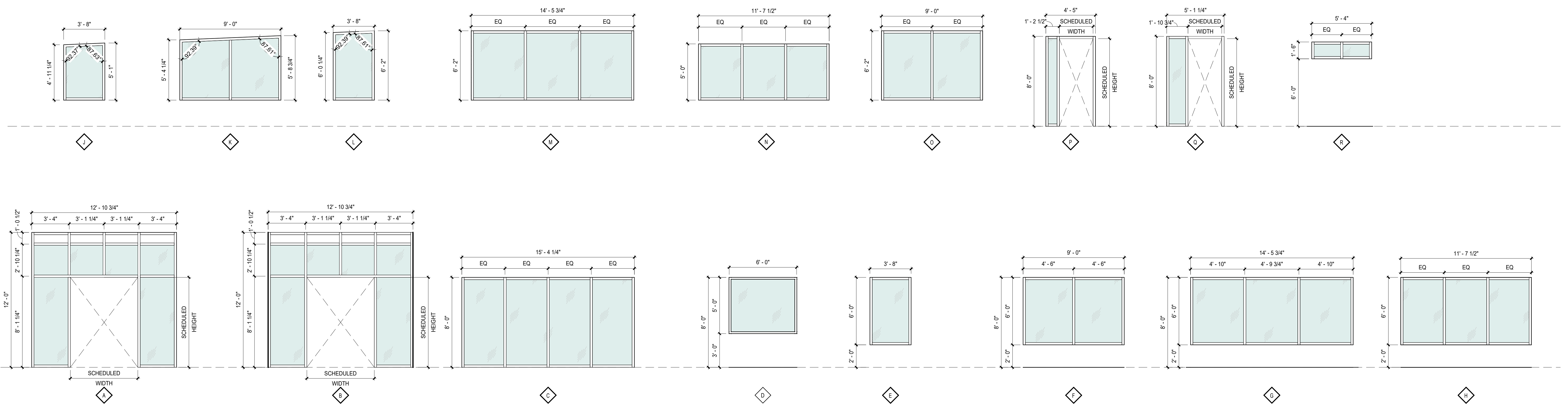
PROJECT NUMBER 24003

**PARTITION TYPES & DOOR SCHEDULES**

5/09/2024 9:22:40 a.m.

5/09/2024 9:22:42 a.m. A B C D E

REFERENCE NOTES



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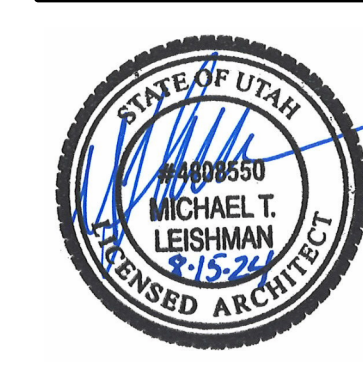
PROJECT NUMBER 24003  
**WINDOW SCHEDULE AND DETAILS**

FINISH LEGEND			
TAG	PRODUCT TYPE	SPECIFICATIONS	NOTES
<b>01 FLOORING</b>			
F1	CARPET	MANF: TARKETT TYPE: BROADLOOM / POWERBOND STYLE/PATTERN: ASSERTIVE ACTION 04837 COLOR: FUSION 26217 NOTE: CARPET AND INSTALL PROVIDED BY OWNER	LOCATION: WALK OFF REP: TRACY RIDDLE REP PHONE: 801.580.5147 REP EMAIL: TRACY.RIDDLE@TARKETT.COM
F2	CARPET	MANF: TARKETT TYPE: BROADLOOM / POWERBOND STYLE/PATTERN: TEXTUREMAP 11129 COLOR: DESERT PAVEMENT 42803 NOTE: CARPET AND INSTALL PROVIDED BY OWNER	LOCATION: GENERAL CARPET REP: TRACY RIDDLE REP PHONE: 801.580.5147 REP EMAIL: TRACY.RIDDLE@TARKETT.COM
F3	TILE	MANF: WOW TYPE: FLOOR TILE STYLE/PATTERN: R9 CHEVRON FLOOR, 113936 COLOR: WHITE MATT DIMENSIONS: 4' x 20.5" GROUT COLOR: MAPEI #00 WHITE GROUT SIZE: 1/16"	LOCATION: RESTROOM HALL REP: KEVIN FITZGERALD REP PHONE: REP EMAIL: KFITZGERALD@CROSSVILLESTUDIOS.COM
F4	TILE	MANF: DAL TILE TYPE: TILE STYLE/PATTERN: KEYSTONE COLOR: URBAN PUTTY D161 DIMENSIONS: 7" x 4" GROUT COLOR: MAPEI #35 NAVAJO BROWN GROUT SIZE: 1/16"	LOCATION: RESTROOMS, CUSTODIAL REP: ANGE LINDAHL REP PHONE: 801.487.9901 REP EMAIL: ANGELA.LINDAHL@DALTILE.COM
F5	METAL - TILE EDGE	MANF: SCHLUTER SYSTEMS TYPE: JOLLY / ALUMINUM COLOR: ATGB BRUSHED NICKEL	LOCATION: RESTROOM HALLWAY 134, TRANSITION FROM CARPET TO TILE
<b>02 BASE</b>			
B1	RUBBER BASE	MANF: TARKETT TYPE: TRADITIONAL WALLBASE COLOR: 383 TOAST NOTE: RUBBER BASE AND INSTALL PROVIDED BY OWNER	LOCATION: GENERAL BASE REP: TRACY RIDDLE REP PHONE: 801.580.5147 REP EMAIL: TRACY.RIDDLE@TARKETT.COM
B2	METAL - TILE EDGE BASE	MANF: SCHLUTER SYSTEMS TYPE: DILEX / ALUMINUM COLOR: ATGB BRUSHED NICKEL	LOCATION: RESTROOMS, RESTROOM HALLWAY, CUSTODIAL
<b>03 WALL</b>			
W1	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW7566 / WESTHIGHLAND WHITE FINISH: SATIN	LOCATION: GENERAL PAINT REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
W2	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW6226 / LANGUID BLUE FINISH: SATIN	LOCATION: CLASSROOMS REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
W3	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW7741 / WILLOW TREE FINISH: SATIN	LOCATION: RESTROOMS, RESTROOM HALL REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
W4	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW7504 / KEYSTONE GRAY FINISH: SATIN	LOCATION: PRINCIPAL 130, QUIET STUDY 132 & 133 REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
W5	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW8332 / CORAL ISLAND FINISH: SATIN	LOCATION: WORKROOM 131 REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
W6	TILE	MANF: DAL TILE TYPE: WALL TILE STYLE/PATTERN: RETROSPACE REMIX COLOR: MODERN WHITE R330 SIZE: 6" x 6" HEXAGON GROUT COLOR: MAPEI #00 WHITE GROUT SIZE: 1/8"	LOCATION: RESTROOMS, DRINKING FOUNTAIN, KITCHENETTE REP: ANGE LINDAHL REP PHONE: 801.487.9901 REP EMAIL: ANGELA.LINDAHL@DALTILE.COM
W7	TILE	MANF: DAL TILE TYPE: WALL TILE STYLE/PATTERN: COLOR WHEEL COLOR: 0100 WHITE FINISH: SEMI-GLOSS SIZE: 6" x 6" SQUARE GROUT SIZE: 1/8"	LOCATION: CUSTODIAL REP: ANGE LINDAHL REP PHONE: 801.487.9901 REP EMAIL: ANGELA.LINDAHL@DALTILE.COM
W8	WALL PROTECTION	MANF: INPRO TYPE: WALL STYLE/PATTERN: PALLADIUM RUB RAIL COLOR: 0103 WHITE SAND SIZE: 12" H, 60" THICKNESS	LOCATION: CLASSROOMS
W9	METAL - TILE EDGE	MANF: SCHLUTER SYSTEMS STYLE/PATTERN: JOLLY - P COLOR: DAL 8010 WHITE	LOCATION: TILE EDGE PROTECTION
W10	WALL PROTECTION	MANF: INPRO TYPE: WALL STYLE/PATTERN: PALLADIUM RUB RAIL COLOR: SERENITY 0166 SIZE: 12" H, 60" THICKNESS	LOCATION: CLASSROOMS
<b>04 CEILING</b>			
C1	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW7566 / WESTHIGHLAND WHITE FINISH: FLAT	LOCATION: GENERAL CEILING PAINT REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
C2	ACT	MANF: TYPE: STYLE/PATTERN: COLOR: FINISH: FSR:	LOCATION: PROVIDED BY: INSTALLED BY: REP: REP PHONE: REP EMAIL:
C3	PAINT	MANF: SHERWIN WILLIAMS COLOR: SW6226 / LANGUID BLUE FINISH: FLAT	LOCATION: ACCENT CEILING PAINT REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
<b>05 MILLWORK</b>			
M1	TILE	MANF: LAMINAM TYPE: LARGE FORMAT TILE STYLE/PATTERN: NATURAL COLOR: DIAMOND CREAM FINISH: NATURAL	LOCATION: RECEPTION DESK 104 - FRONT REP: KEVIN FITZGERALD REP PHONE: REP EMAIL: KFITZGERALD@CROSSVILLESTUDIOS.COM
M2	SOLID SURFACE	MANF: LG HAUSYS TYPE: H-MACS STYLE/PATTERN: M103 FIRENZE	LOCATION: RECEPTION DESK 104 - TOP REP: ELIZABETH MARCON REP PHONE: 424.445.9786 REP EMAIL: EMARCON@LXHAUSYS.COM
M3	LAMINATE	MANF: FORMICA STYLE/PATTERN: 5487-26 COLOR: OILED WALNUT	LOCATION: GENERAL CASEWORK
M4	QUARTZ	MANF: CAMBRIA TYPE: QUARTZ STYLE/PATTERN: RIDGEGATE FINISH: POLISHED	LOCATION: WORKROOM 131 - COUNTERTOP
<b>06 OTHER</b>			
S1	PAINTED METAL	MANF: SHERWIN WILLIAMS COLOR: COLOR TO MATCH STOREFRONT FRAME FINISH: SATIN	LOCATION: INTERIOR HM DOOR FRAME REP: RICHARD CONDIE REP PHONE: 916.267.3232 REP EMAIL: RICHARD.CONDIE@SHERWIN.COM
<b>07 EXTERIOR</b>			
E1	STONE	MANF: DELTA STONE TYPE: STONE STYLE/PATTERN: JACKSON LEDGE	LOCATION: PROVIDED BY: INSTALLED BY: REP: REP PHONE: REP EMAIL:
E2	EXTERIOR PANEL	MANF: TRESPA TYPE: STYLE/PATTERN: PURA NFC COLOR: CLASSIC OAK	LOCATION: PROVIDED BY: INSTALLED BY: REP: REP PHONE: REP EMAIL:



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DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_

PROJECT NUMBER: 24003

**FINISH SCHEDULE**



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LOGAN UT SR SEMINARY  
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CONSTRUCTION DOCUMENTS - 08.15.24

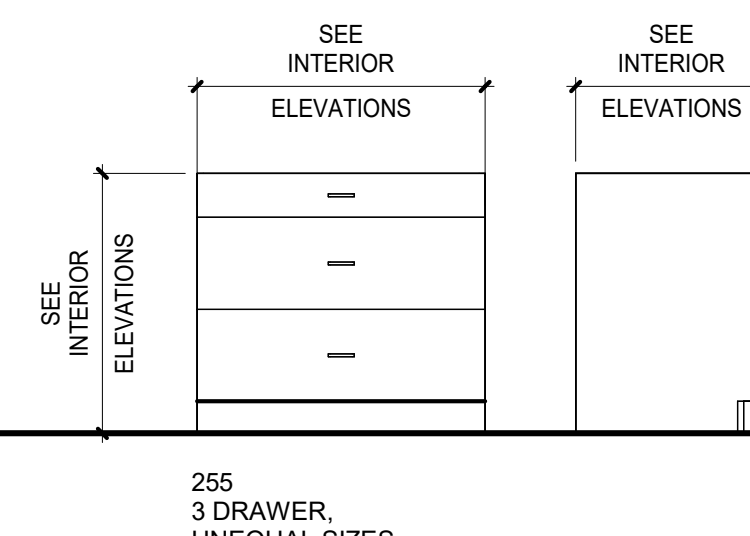
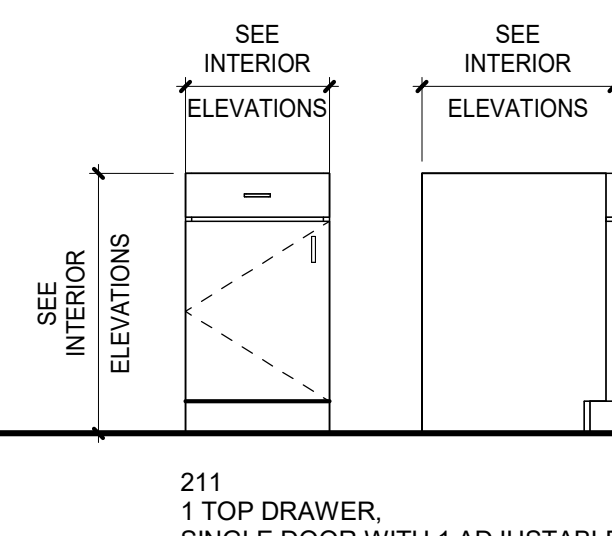
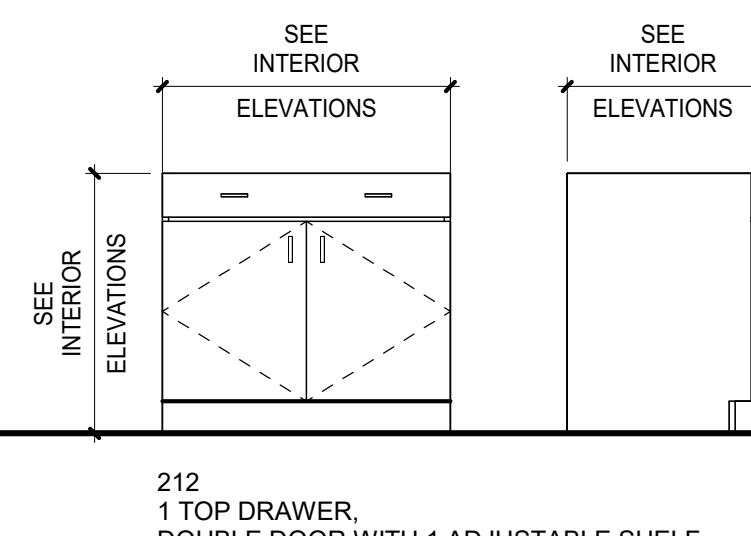
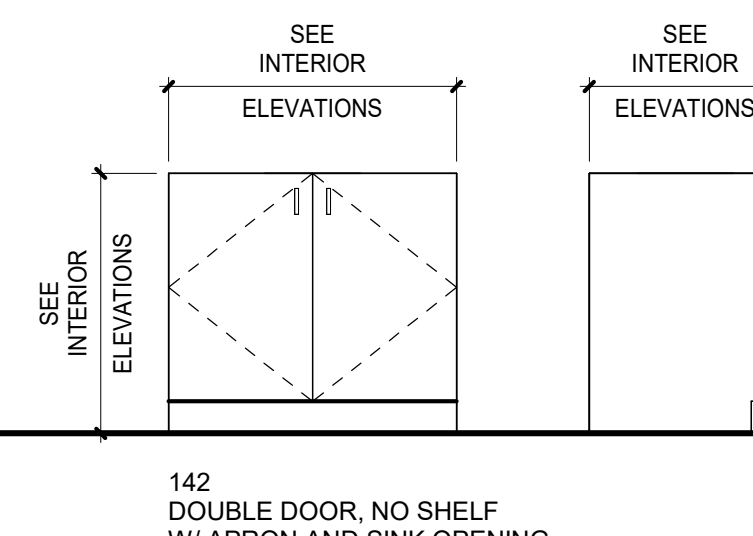
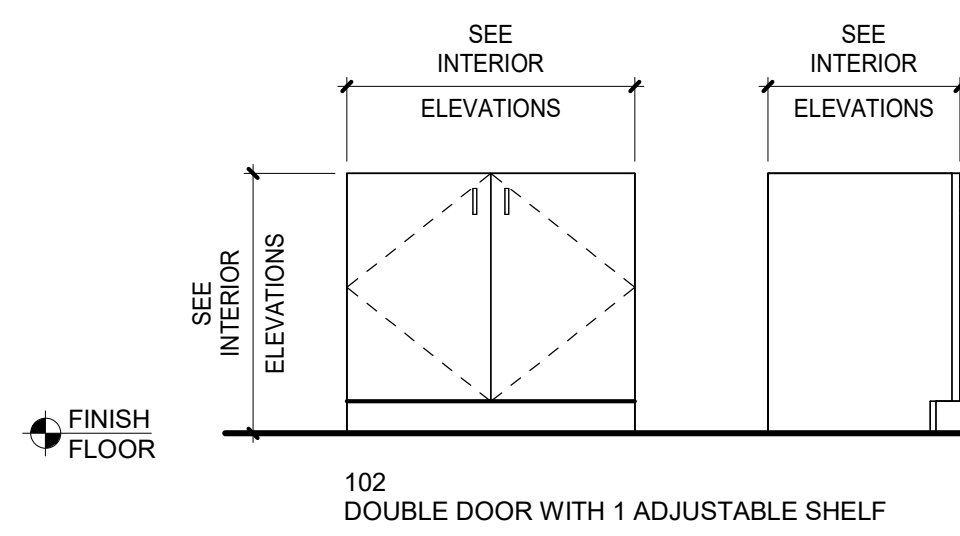
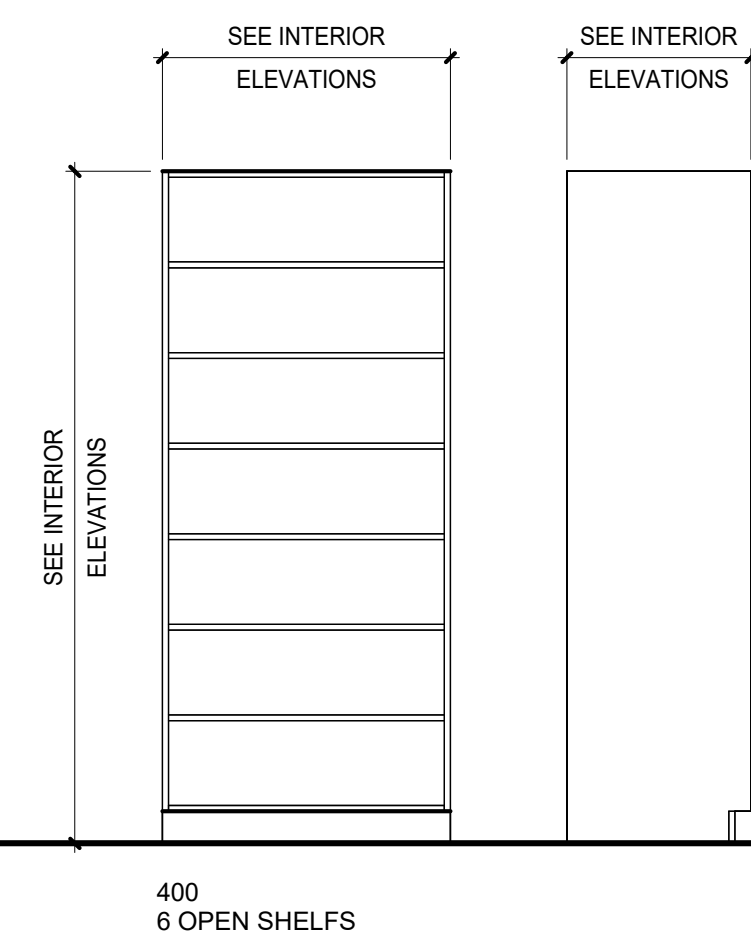
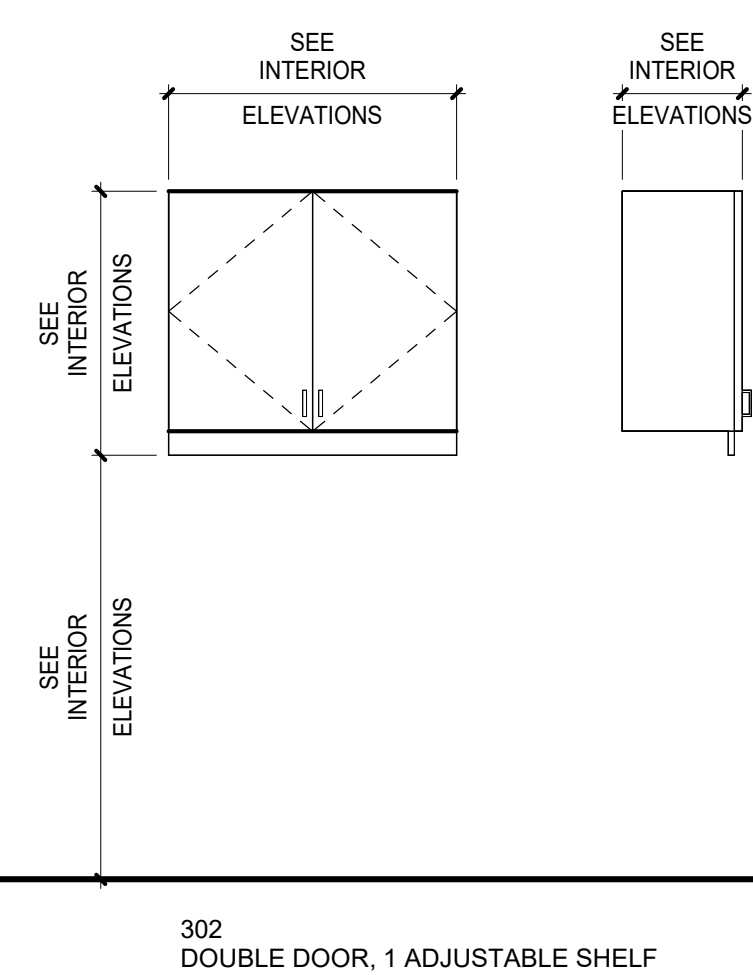
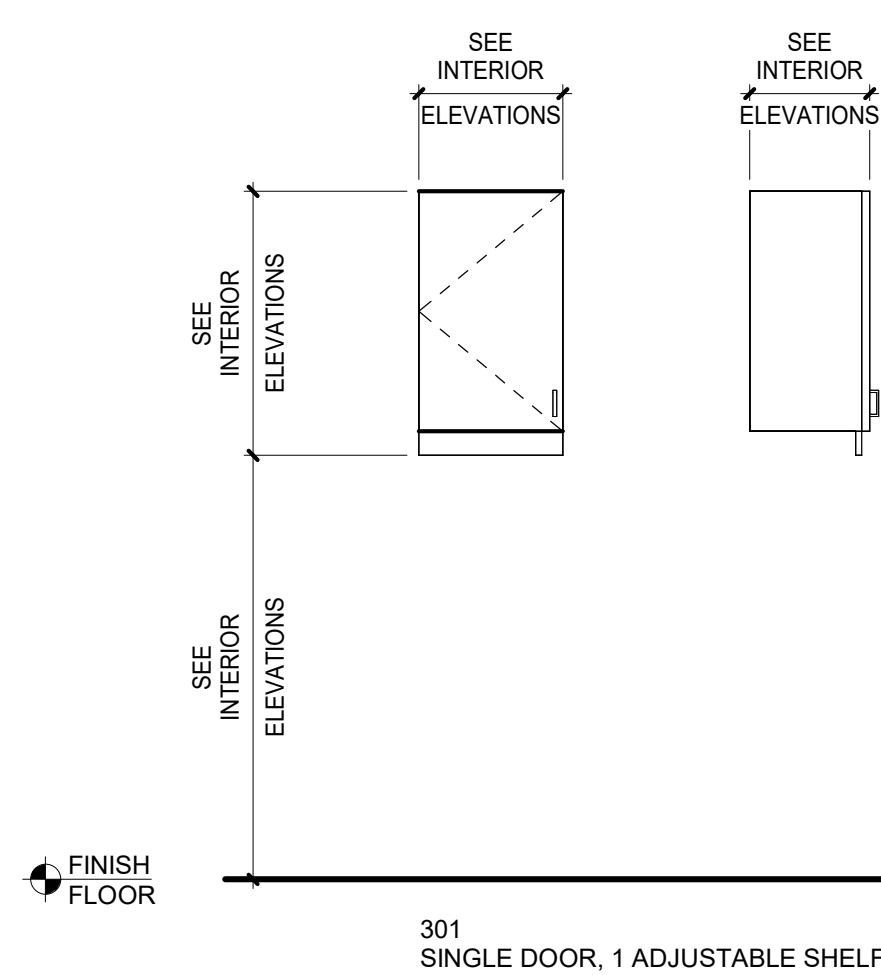
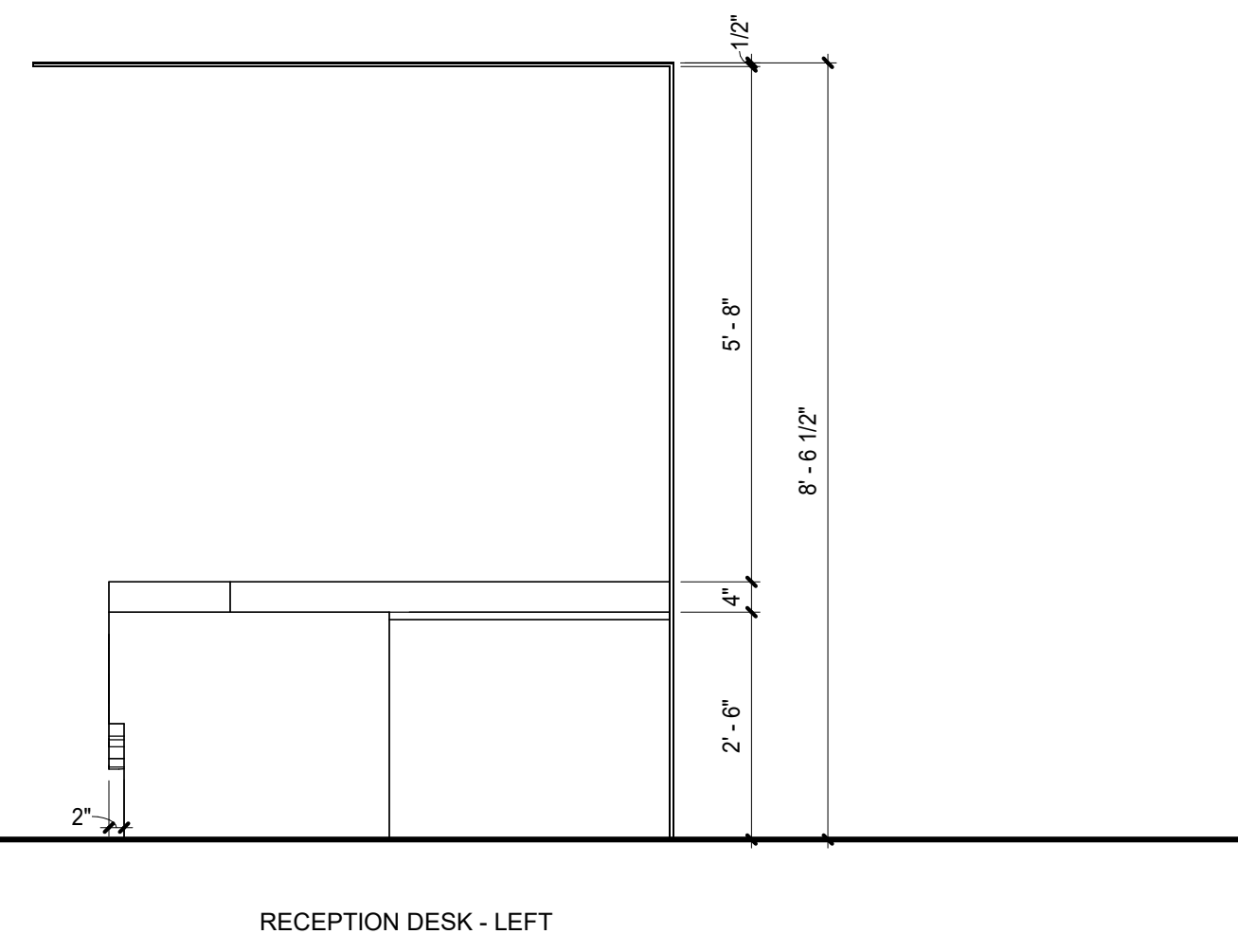
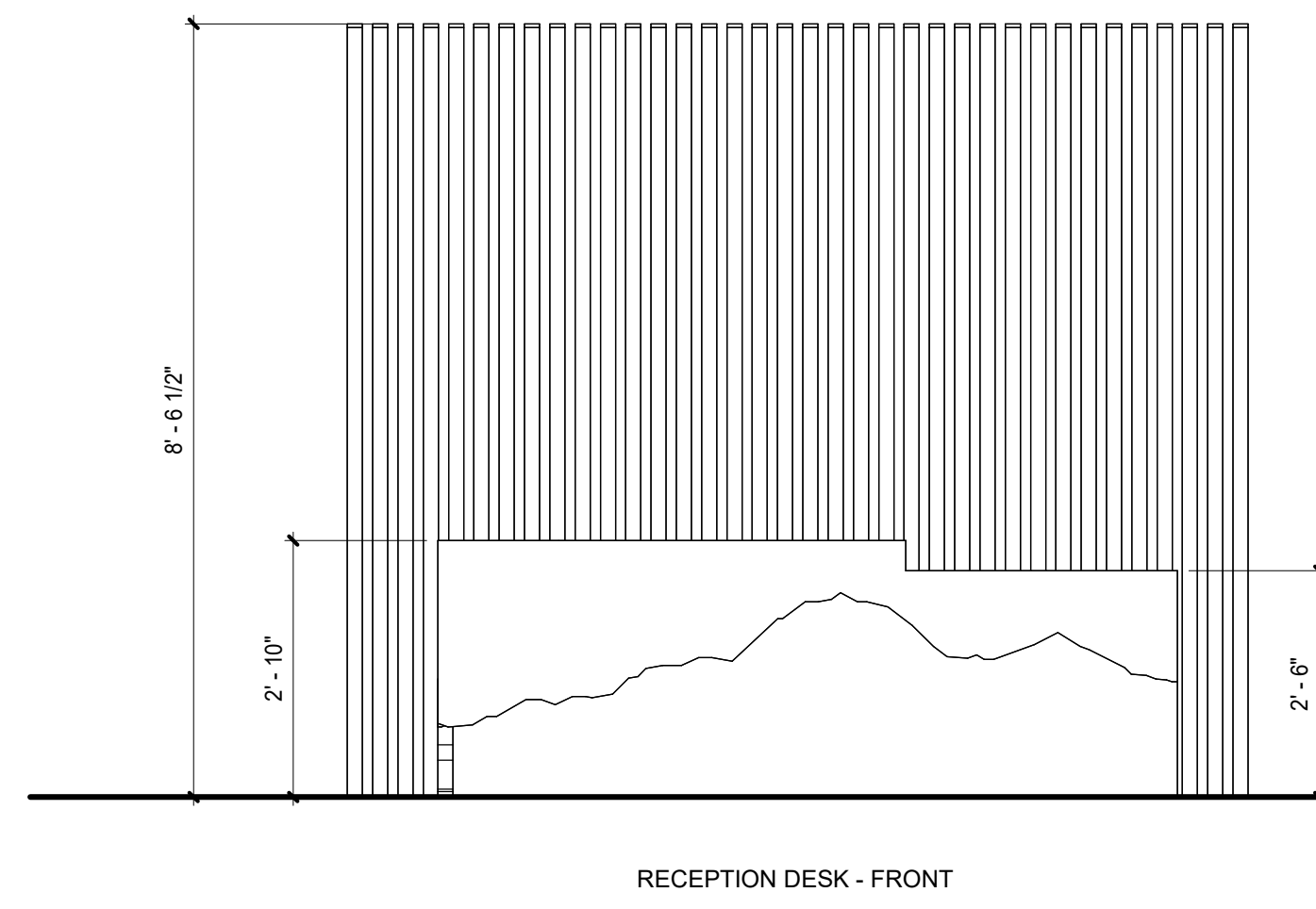
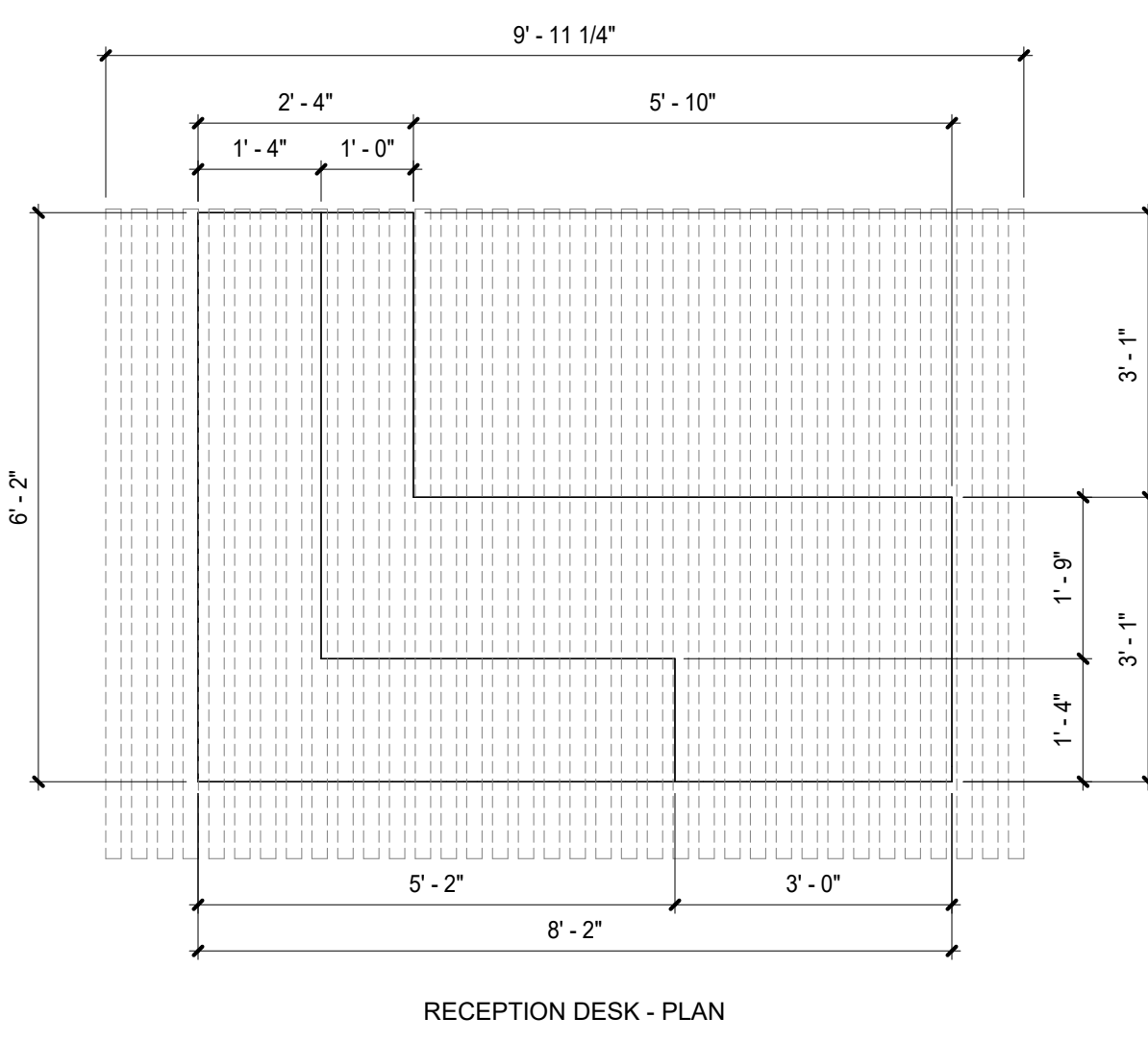


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MILLWORK

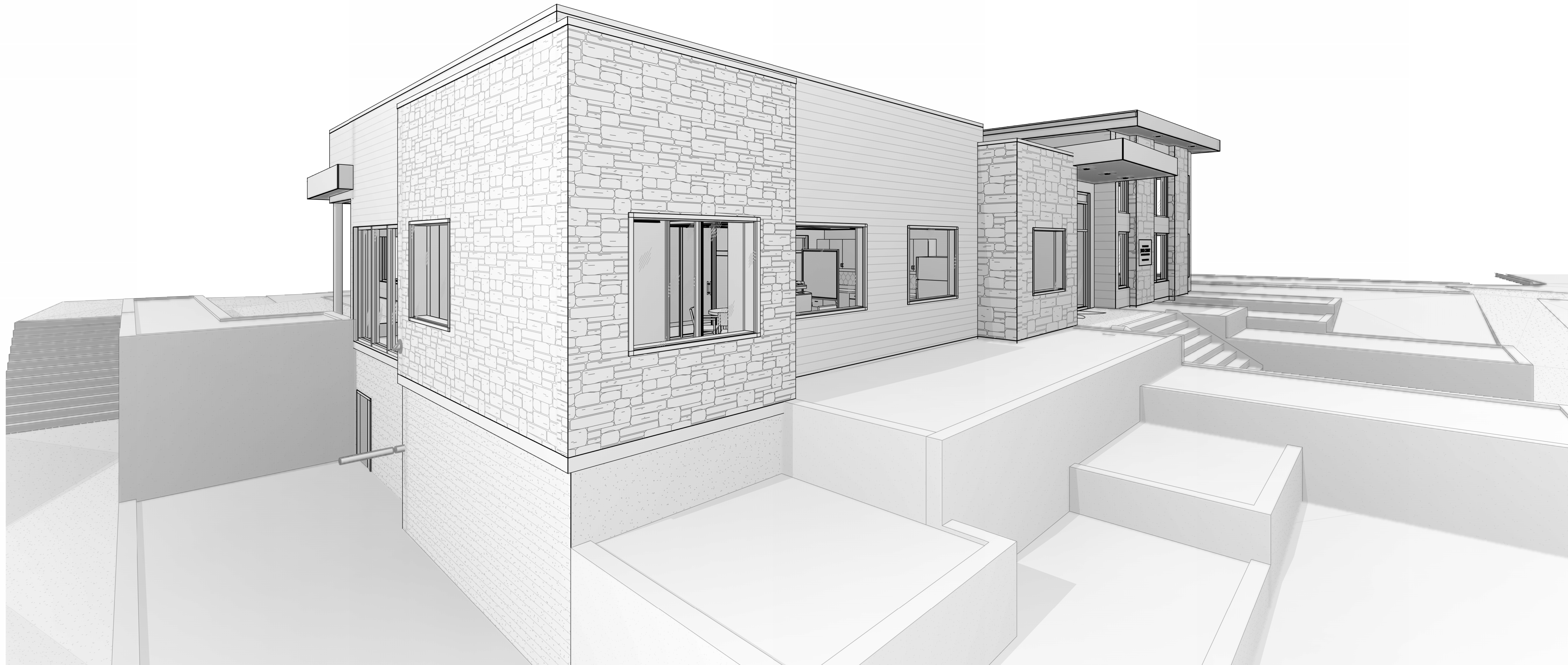
A801



A1 MILLWORK LEGEND  
SCALE: 1/2" = 1'-0"



**C1** PERSPECTIVE 2  
SCALE:

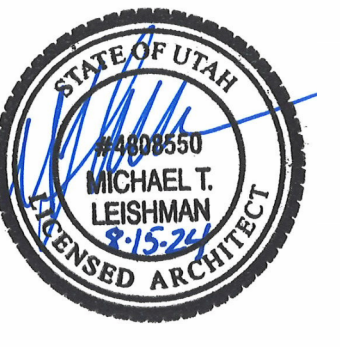


**A1** PERSPECTIVE 1  
SCALE:



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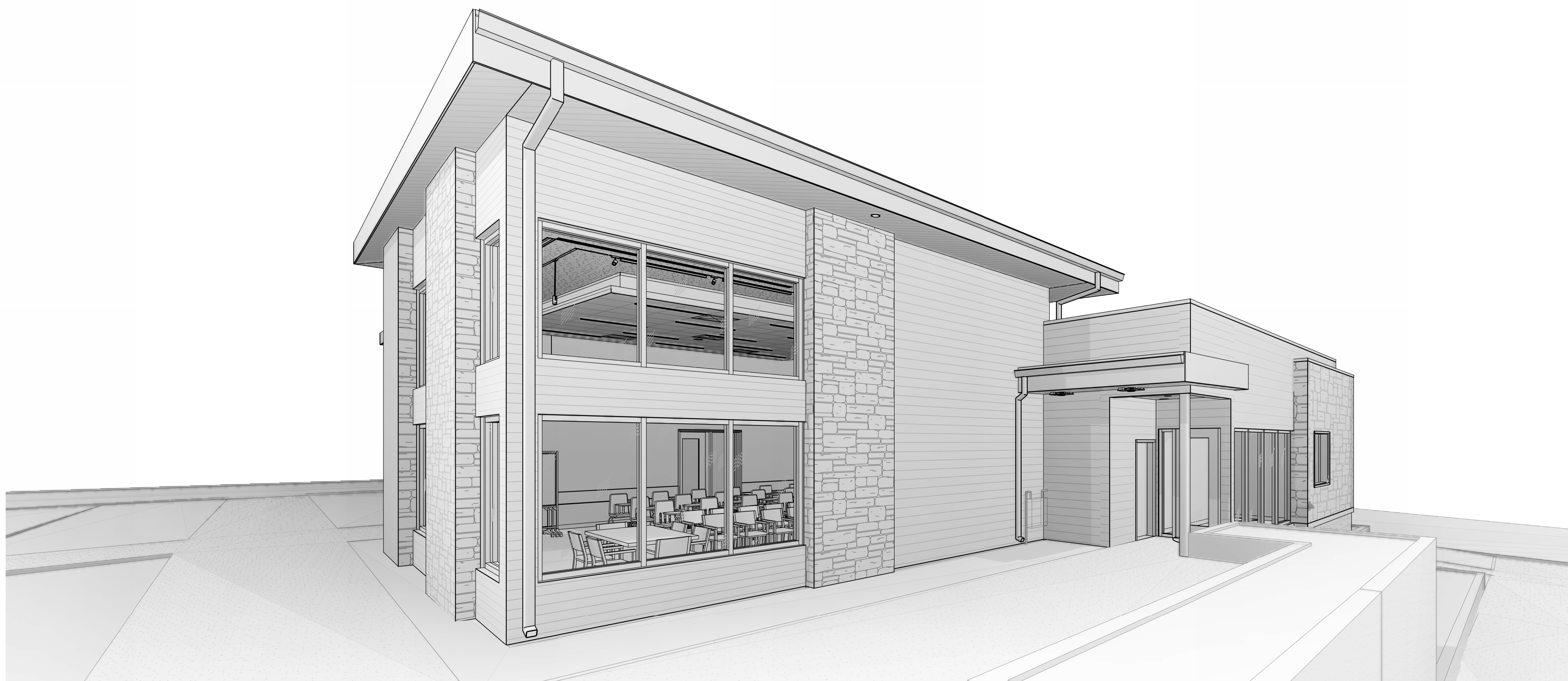
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**C1** PERSPECTIVE 4  
SCALE:



**A1** PERSPECTIVE 3  
SCALE:



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5/09/2024 9:23:35 a.m.

A B C D E

1 2 3 4 5 6

STRUCTURAL NOTES:

A. GENERAL

- 1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

- 1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.12 AND 1705.13 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

- 1. GOVERNING BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2021 RISK CATEGORY: III

D. FOUNDATION

- 1. GENERAL

E. CONCRETE

Table with columns: ELEMENT, EXPOSURE CATEGORY, Fc AT 28 DAYS (PSI), MAX RATIO W/C, MAX AIR CONTENT %, MAX AGGREGATE SIZE. Lists various concrete elements like Interior Slabs on Grade, Interior Slabs on Metal Deck, etc.

NOTES:

- a. ELEMENT IS NOT EXPOSED TO FREEZING AND/OR IS BURIED IN SOIL BELOW THE FROST LINE.

Table with columns: NOMINAL MAXIMUM AGGREGATE SIZE, IN., TARGET AIR CONTENT, PERCENT. Lists target air content for various aggregate sizes.

- 1. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.

F. ANCHOR BOLT/EMBEDDED BOLTS

- 1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-438 WASHERS AT STANDARD OR OVERSIZED HOLES.

G. ADHESIVE/MECHANICAL ANCHORS

- 1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.

H. REINFORCING STEEL

- 1. REINFORCING BAR STRENGTH REQUIREMENTS:

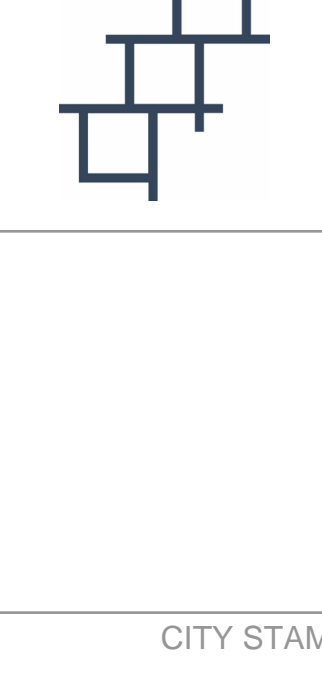
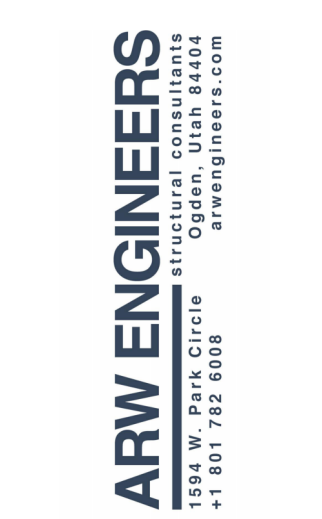
I. STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING:

STRUCTURAL NOTES CONTINUED ON SHEET S010

LEGEND OF SYMBOLS AND ABBREVIATIONS. Lists symbols for AB (ANCHOR BOLT), ARCH (ARCHITECT), BLN (BELOW), etc., and symbols for FOOTING MARK, TOP OF FOOTING ELEVATION, etc.

Structural Sheet Index. Table with columns: SHEET NUMBER, STRUCTURAL NOTES, SHEET NAME. Lists sheets S001 through S401.



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STRUCTURAL NOTES

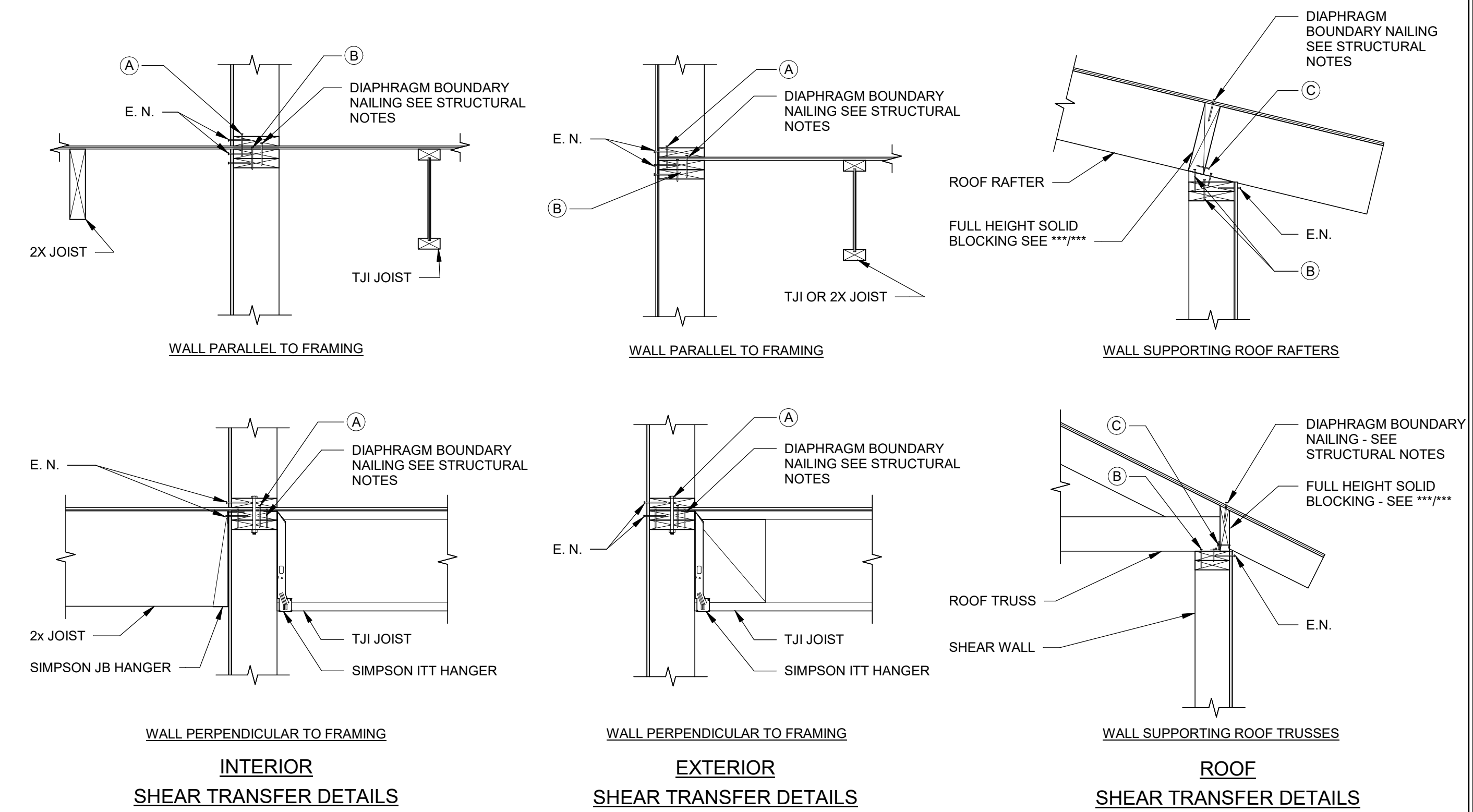




WOOD SHEAR WALL SCHEDULE

WALL MARK	LEVEL	(NOTE 8) SHEATHING (OSB U.N.O.)	EDGE NAILING (E.N.) (SEE NOTES 2 & 3)	NOMINAL BOTTOM PLATE SIZE	(NOTE 7) NOM. STUD SIZE (MIN.)	CONNECTION NAILING		TYP. SILL PLATE ANCHOR BOLTS (NOTE 9)		COMMENTS
						NAILING TOP PLATE TOGETHER (B)	BLOCKING TO TOP PLATE (C)	DIA.	SPA.	
SW-1	GROUND TO ROOF	15/32"	6"	2x	2x	SEE NOTES	24"	3/4" DIA.	32" o.c.	SEE STRUCTURAL NOTES FOR TOP PLATE SPLICE
SW-2	GROUND TO ROOF	15/32"	4"	2x	2x	SEE NOTES	20"	3/4" DIA.	32" o.c.	SEE STRUCTURAL NOTES FOR TOP PLATE SPLICE
SW-3	GROUND TO ROOF	15/32"	3"	2x	3x	SEE NOTES	--	3/4" DIA.	32" o.c.	SEE STRUCTURAL NOTES FOR TOP PLATE SPLICE
SW-4	GROUND TO ROOF	15/32"	2"	2x	3x	SEE NOTES	--	3/4" DIA.	32" o.c.	SEE STRUCTURAL NOTES FOR TOP PLATE SPLICE

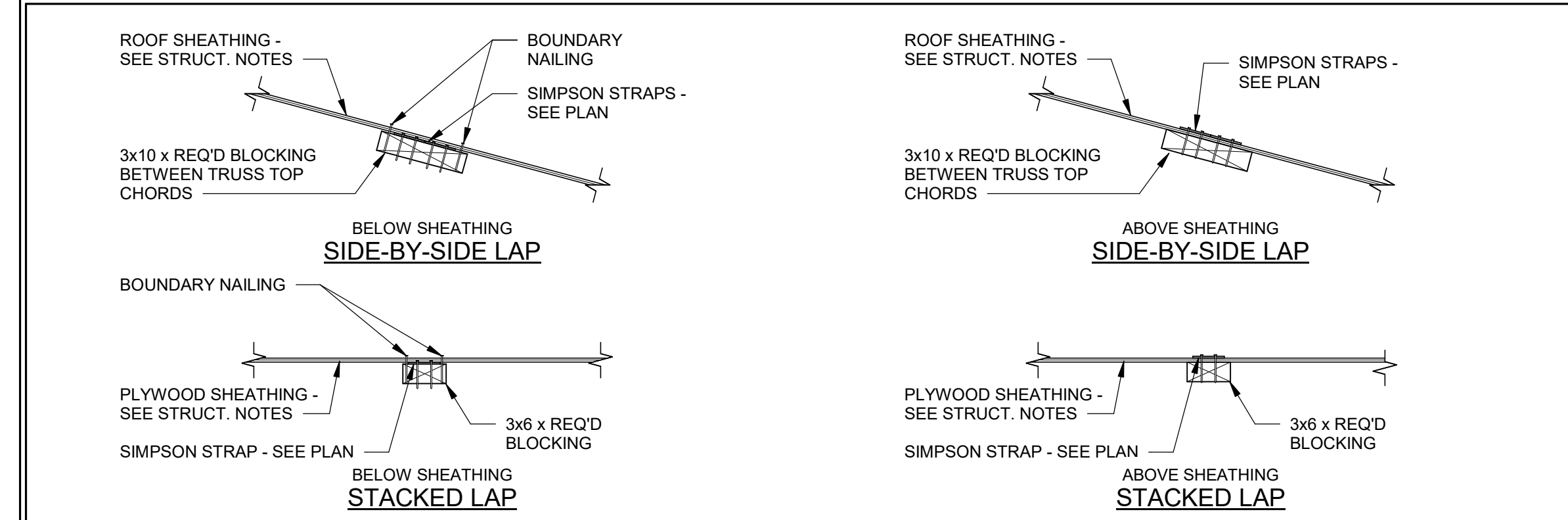
- NOTES:
- ALL SHEATHING PANEL EDGES TO BE BLOCKED. USE 3x BLOCKING WHERE 3x STUDS ARE REQUIRED.
  - ALL NAILS TO BE COMMON OR GALVANIZED BOX.
  - FIELD NAILING TO BE SAME NAILS @ 12" o.c.
  - (A) CONNECTION IS FOR 2ND FLOOR AND ABOVE.
  - AT SHEAR WALLS W/ SHEATHING ON BOTH SIDES, BOTH VERTICAL AND HORIZONTAL JOINTS ON OPPOSITE SIDES OF THE WALL SHALL BE STAGGERED.
  - STAGGER E.N. AT DOUBLE TOP PLATES.
  - 3x NOMINAL FRAMING MEMBERS TO OCCUR AT ABUTTING PANEL EDGES. 2x NOMINAL FRAMING MEMBERS MAY BE USED AT INTERIOR OF PANEL, UNLESS NOTED OTHERWISE IN FLOOR FRAMING NOTES. (2) 2x NAILLED TOGETHER W/ (2) 16d NAILS @ 16" o.c. OR 4x NOMINAL FRAMING MEMBERS OF THE SAME DEPTH AND LUMBER GRADE MAY BE USED IN LIEU OF 3x MEMBERS AT CONTRACTOR OPTION.
  - SHEATHING SHALL BE STAMPED W/ APA STAMP. PLYWOOD OF EQUIVALENT THICKNESS, GRADE, AND RATING MAY BE USED IN LIEU OF OSB.
  - ALL SILL PLATE ANCHOR BOLTS TO HAVE MINIMUM 8" EMBEDMENT INTO CONCRETE. SEE DETAIL 5/S210 FOR HOLDOWN ANCHORAGE REQUIREMENTS.
  - SEE THIS SHEET FOR TYPICAL SHEAR TRANSFER DETAILS.
  - TOP PLATE SPLICE NAILING SHALL APPLY TO EACH SIDE OF THE SPLICE. THE LENGTH OF THE OVERLAP SHALL BE SUFFICIENT TO PREVENT SPLITTING (48" MIN.).



COIL STRAP LAP SPLICE SCHEDULE

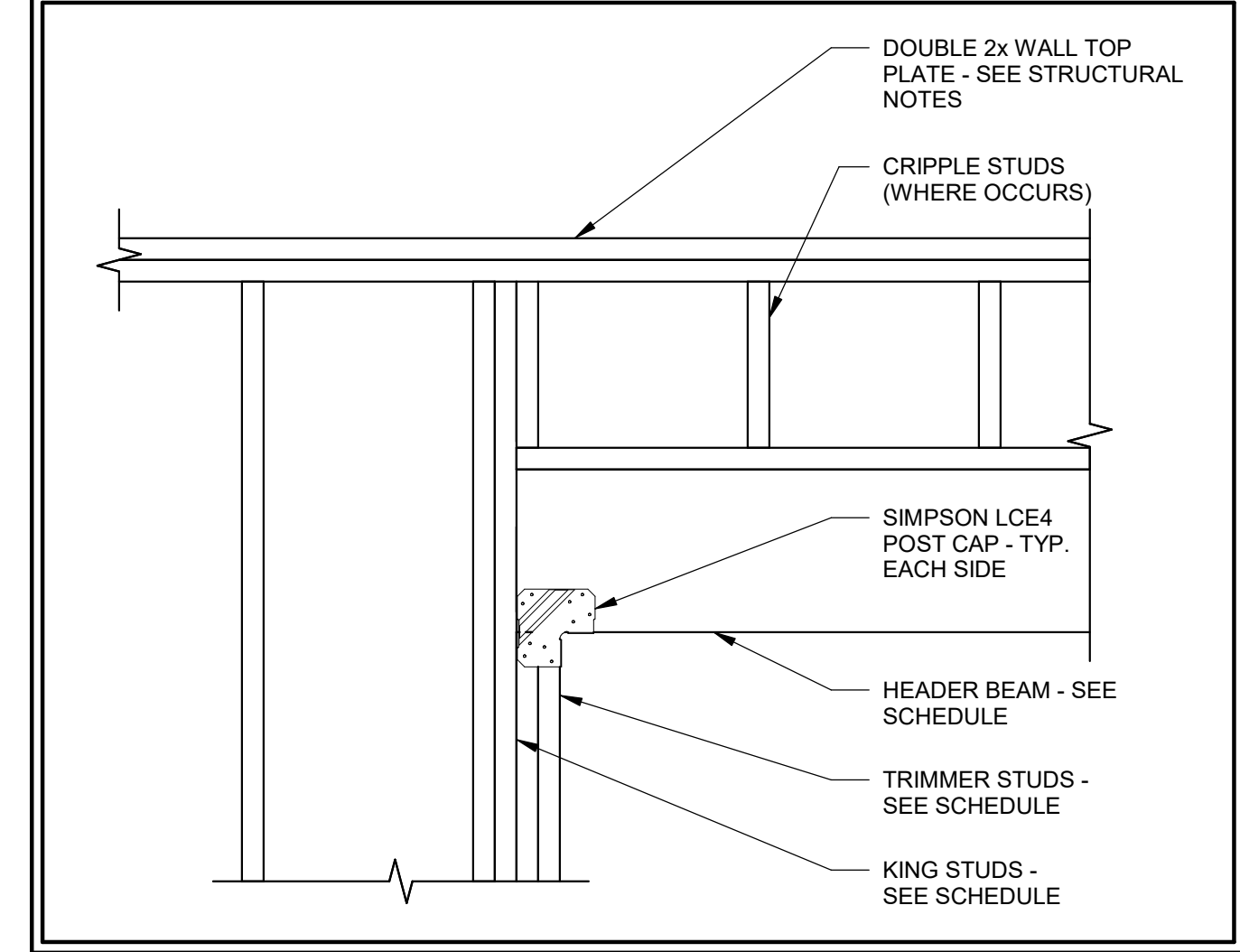
SIMPSON STRONG-TIE MODEL #	LAP SPLICE				COMMENTS
	MIN. # FASTENER PER SPLICE	MIN. SPLICE LENGTH STACKED	MIN. # FASTENER PER SPLICE	MIN. SPLICE LENGTH SIDE-BY-SIDE	
CMST 12	(18) 16d	18"	(37) 16d	33"	
	(22) 10d	21"	(43) 10d	39"	
CMST 14	(13) 16d	14"	(28) 16d	26"	
	(15) 10d	15"	(33) 10d	30"	
CMSTC 16	(11) 10d	10"	(25) 10d	20"	
	(6) 10d	9"	(13) 10d	15"	
CS 14	(7) 8d	10"	(15) 8d	16"	
	(5) 10d	8"	(10) 10d	11"	
CS 16	(6) 8d	9"	(11) 8d	13"	
	(5) 10d	8"	(8) 10d	9"	
CS 18	(5) 8d	8"	(8) 8d	11"	
	(5) 10d	8"	(5) 10d	6"	
CS 20	(5) 8d	8"	(6) 8d	9"	
	(4) 10d	5"	(5) 10d	7"	
CS 22	(4) 8d	6"	(6) 8d	6"	

- NOTES:
- NO STRAP MODIFICATION IS ALLOWED.
  - SPLICE MUST MEET BOTH THE MINIMUM NUMBER OF FASTENERS AND THE MINIMUM SPLICE LENGTH.
  - ALL NAIL SIZES LISTED ARE COMMON NAILS.
  - 10d COMMON MAY BE REPLACED BY 16d SINKERS. NO OTHER NAIL SUBSTITUTION IS ALLOWED FOR LAP SPLICES.
  - IF WOOD SPLITTING OCCURS, USE EVERY OTHER NAIL HOLE AND LENGTHEN SPLICE TO ACCOMMODATE THE REQUIRED NUMBER OF NAILS. SEE MANUFACTURER FOR MORE INFORMATION.
  - STRAPS SHALL BE INSTALLED BELOW SHEATHING WHERE IMPACTS TO ARCHITECTURAL FINISHES OCCUR. OTHERWISE STRAPS MAY BE INSTALLED ABOVE OR BELOW SHEATHING AT CONTRACTOR'S OPTION. SEE DETAILS BELOW. IMPACTS TO THE FINISHES AND ROOFING SHALL BE CONSIDERED WHEN DETERMINING STRAP LOCATION. TWO OPTIONS EXIST FOR COIL STRAP LAPPING.
  - LAP ONE STRAP STACKED ON TOP OF THE OTHER STRAP.
  - INSTALL STRAPS SIDE BY SIDE - TO DO THIS A LARGER BLOCK MUST BE USED. THE BLOCK MUST BE ON SOLID PIECE.
  - STRAP TO BE INSTALLED TIGHT.
  - OTHER MANUFACTURER STRAPS MAY BE USED AT CONTRACTOR'S OPTION. STRAP CAPACITY SHALL MEET OR EXCEED THAT OF THE SPECIFIED SIMPSON STRAP. USE MANUFACTURER'S SPECIFIC INFORMATION FOR STRAP INSTALLATION.
  - LISTED LENGTHS ARE ASSUMING THAT ALL NAIL HOLES ARE USED. SEE MANUFACTURER INFORMATION FOR EVERY OTHER HOLE INSTALLATION.



WOOD OPENING SCHEDULE

OPENING SIZE	KING STUDS		TRIMMER STUDS
	INTERIOR	EXTERIOR	
UP TO 6'-0"	(2) 2x6, (1) 2x10	(2) 2x6, (2) 2x10	(2) 2x6, (2) 2x10
6'-1" TO 10'-0"	(2) 2x6, (1) 2x10	(2) 2x6, (2) 2x10	(3) 2x6, (2) 2x10
10'-1" TO 15'-0"	(2) 2x6, (2) 2x10	(3) 2x6, (3) 2x10	(4) 2x6, (3) 2x10
15'-1" TO 18'-0"	(2) 2x6, (2) 2x10	(3) 2x6, (3) 2x10	(4) 2x6, (3) 2x10



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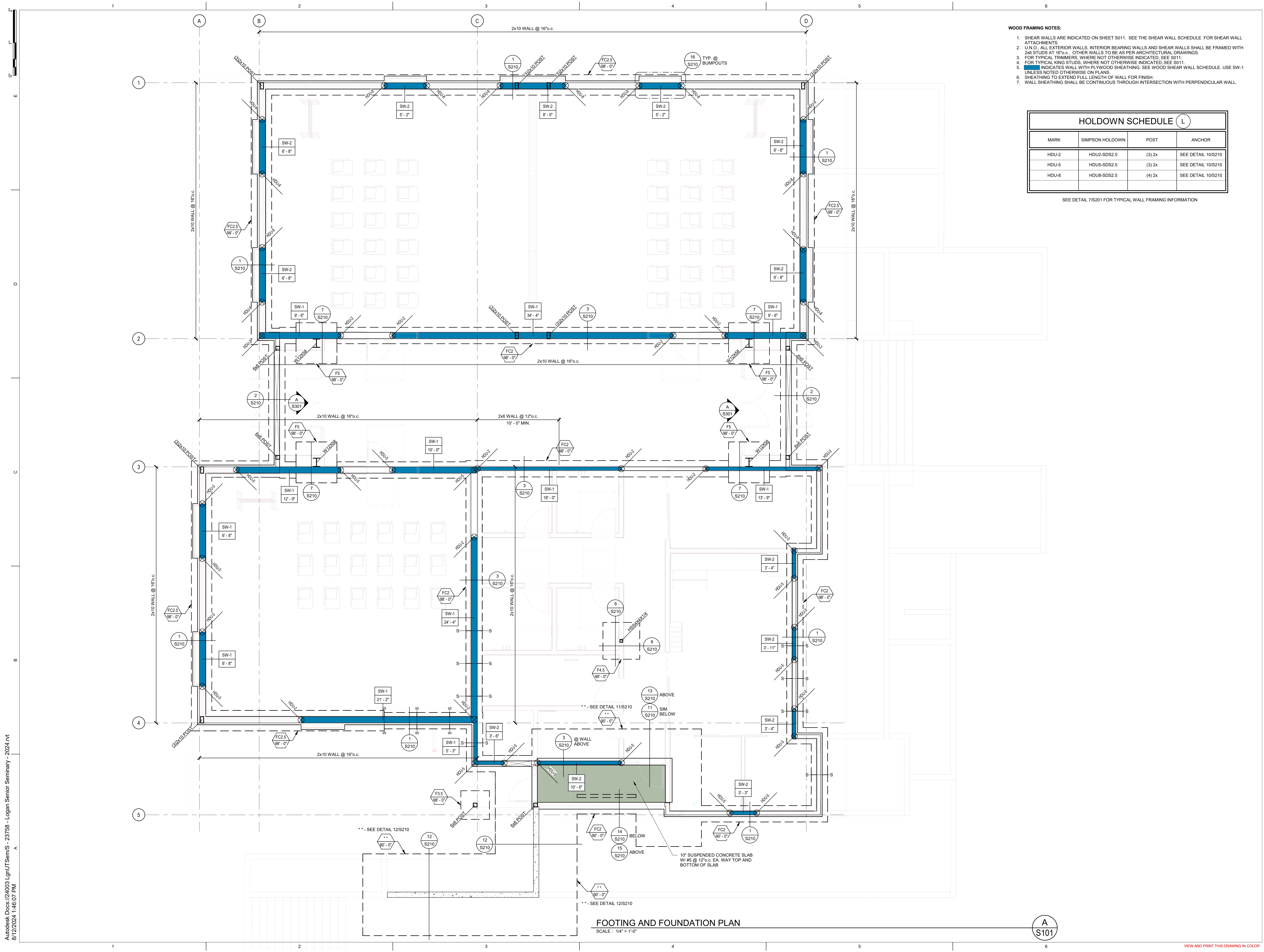
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SCHEDULES



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- WOOD FRAMING NOTES:**
1. SHEAR WALLS ARE INDICATED ON SHEET S011. SEE THE SHEAR WALL SCHEDULE FOR SHEAR WALL ATTACHMENTS.
  2. U.N.O. ALL EXTERIOR WALLS, INTERIOR BEARING WALLS AND SHEAR WALLS SHALL BE FRAMED WITH 2x6 STUDS AT 16\"/>

HOLDOWN SCHEDULE (L)			
MARK	SIMPSON HOLDOWN	POST	ANCHOR
HDU-2	HDU2-SDS2.5	(3) 2x	SEE DETAIL 10/S210
HDU-5	HDU5-SDS2.5	(3) 2x	SEE DETAIL 10/S210
HDU-8	HDU8-SDS2.5	(4) 2x	SEE DETAIL 10/S210

SEE DETAIL 7/S201 FOR TYPICAL WALL FRAMING INFORMATION

**FFKR ARCHITECTS**  
730 Pacific Avenue - Salt Lake City, Utah 84104  
O 801.521.6186 - FFKR.COM

**ARW ENGINEERS**  
1114 W. 1000 N. SUITE 100  
SALT LAKE CITY, UT 84119

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**FOOTING & FOUNDATION PLAN**

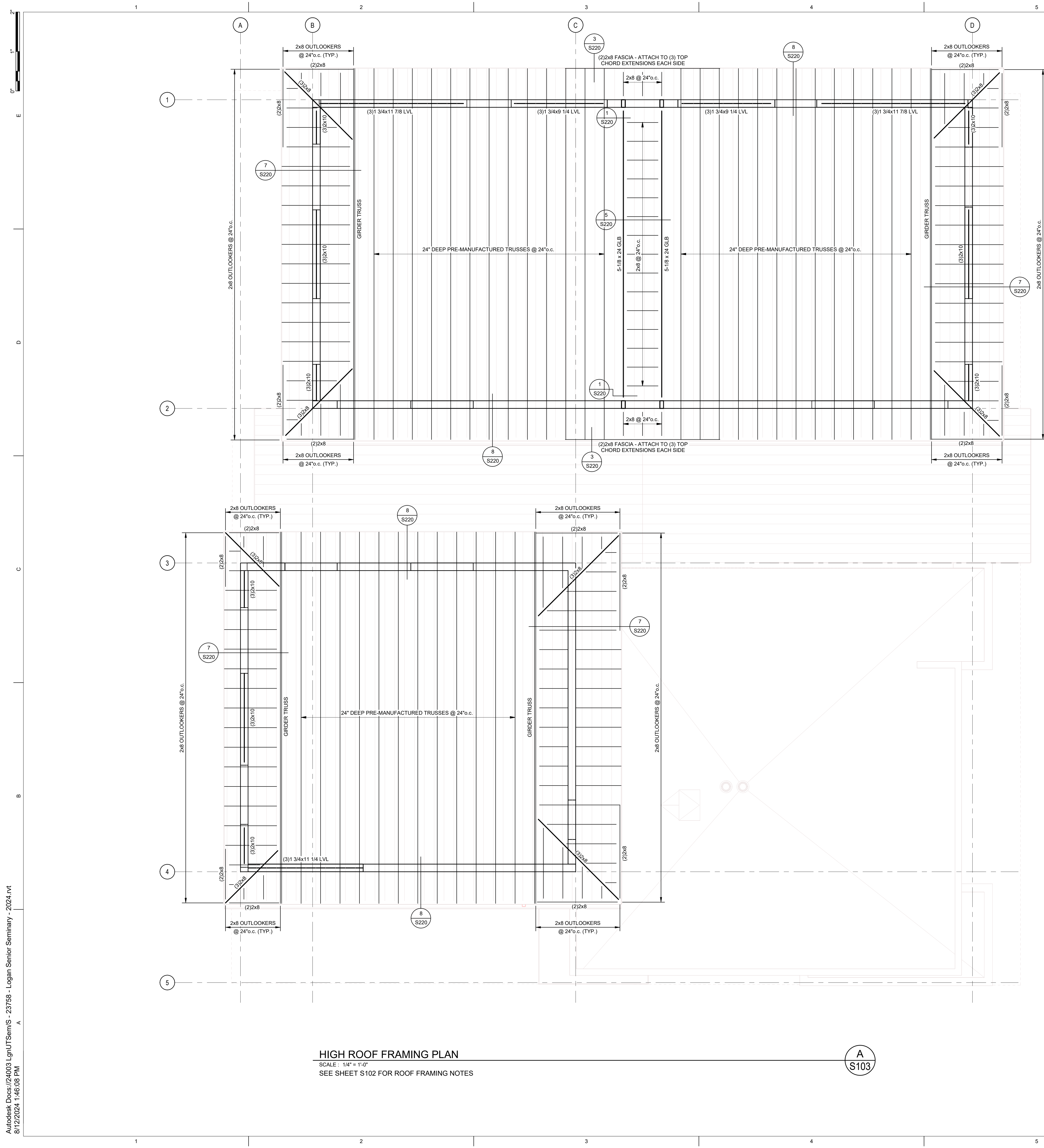
S101

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S101

**FOOTING AND FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

VIEW AND PRINT THIS DRAWING IN COLOR





- WOOD ROOF FRAMING NOTES :**
- FOR ROOF SHEATHING AND NAILING REQUIREMENTS. SEE STRUCTURAL NOTES SHEET S001-S010.
  - SHEAR WALLS ARE INDICATED ON SHEET S101. SEE THE SHEAR WALL SCHEDULE ON SHEET S011.
  - SEE WOOD FRAMING NOTES ON SHEET S101 FOR WALL TOP PLATE CONFIGURATION AND SPLICE REQUIREMENTS.
  - SEE PREMANUFACTURED TRUSS NOTES FOR ADDITIONAL INFORMATION.
  - WHERE WOOD BEAM IS SHOWN BUT HEADER IS NOT EXPLICITLY CALLED OUT ON PLANS, REFER TO THE WOOD OPENING SCHEDULE ON SHEET S011 FOR BEAM SIZE.
  - CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND ROOF DIAPHRAGM ATTACHMENTS ARE COMPLETE.
  - SEE DETAIL S0201 FOR ATTACHMENT OF NON-BEARING WALLS TO PRE-MANUFACTURED TRUSSES.
  - SEE ARCH. DETAILS FOR DRAFTSTOP DETAILS & LOCATIONS.
  - SEE DETAIL 105201 FOR OPENINGS IN ROOF DIAPHRAGM.
  - COORDINATE LOCATIONS OF EXTERIOR LIGHTS TO AVOID INTERRUPTION OF ROOF FRAMING.

- PRE-MANUFACTURED TRUSS NOTES :**
- PRE-MANUFACTURED TRUSSES SHALL BE DESIGNED PER ALL APPLICABLE LOAD COMBINATIONS AND LOAD CONFIGURATIONS AS REQUIRED BY THE GOVERNING CODE AND THE GENERAL STRUCTURAL NOTES:
- THE FOLLOWING CRITERIA SHALL BE USED IN DESIGN.
- SNOW LOAD = PER GENERAL STRUCTURAL NOTES
  - LIVE LOAD = PER GENERAL STRUCTURAL NOTES
  - DEAD LOAD = 13 PSF TOP CHORD
  - 7 PSF BOTTOM CHORD
  - WIND LOAD = PER GENERAL STRUCTURAL NOTES
  - SNOW DRIFT = SEE SHEET S104
  - MECH UNITS = SEE PLAN FOR RTU WEIGHTS

- ALL TRUSSES SHALL BE DESIGNED FOR A 150 POUND POINT LOAD APPLIED AT ANY LOCATION ALONG THE BOTTOM CHORD. DESIGN ALL TRUSSES FOR WIND UPLIFT PER THE GOVERNING CODE WITH A 12 PSF DEAD LOAD.
- ALL TRUSS TO TRUSS CONNECTIONS PROVIDED BY TRUSS MANUFACTURER.
- TRUSS MANUFACTURER SHALL COORDINATE AND INCLUDE ALL ADD LOADS AS INDICATED ON THE FRAMING PLANS.
- COORDINATE DUCT RUNS AND TRUSS WEB CONFIGURATIONS WITH MECHANICAL & ARCH. DRAWINGS. DO NOT FIELD MODIFY TRUSSES TO ACCOMMODATE DUCTING AND OTHER MISCELLANEOUS EQUIPMENT WITHOUT WRITTEN DIRECTION FROM THE TRUSS MANUFACTURER OR STRUCTURAL ENGINEER.
- INSTALL SIMPSON LGT HOLD-DOWNS WITH 2400 LB. CAPACITY @ EACH GIRDER TRUSS. TRUSS MANUF. VERIFY THAT THIS SIMPSON HOLD-DOWN MEETS OR EXCEEDS REQUIRED UPLIFT CAPACITIES FOR ALL TRUSSES DESIGNED. TRUSS MANUF. RESPONSIBLE TO NOTIFY EOR IN WRITING WHERE UPLIFT CAPACITIES ARE EXCEEDED.
- COORDINATE ALLOWABLE TRUSS DEFLECTIONS WITH ARCHITECT FOR DETAILING OF NON-BEARING STUD WALLS BELOW.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AS REQUIRED BY THE DEFERRED SUBMITTAL SECTION OF THE GENERAL STRUCTURAL NOTES.
- WHERE INDICATED, BLOCK PANEL EDGES OF ROOF SHEATHING WITH FLAT 2X BLOCKING.
- ALL TOP CHORDS AND TOP CHORDS EXTENSIONS TO BE 2X8 MEMBERS (7" 1/4" DEPTH). BOTTOM CHORDS TO BE MINIMUM 2X6.

**HIGH ROOF FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"  
 SEE SHEET S102 FOR ROOF FRAMING NOTES

A  
S103



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**HIGH ROOF FRAMING PLAN**

S103

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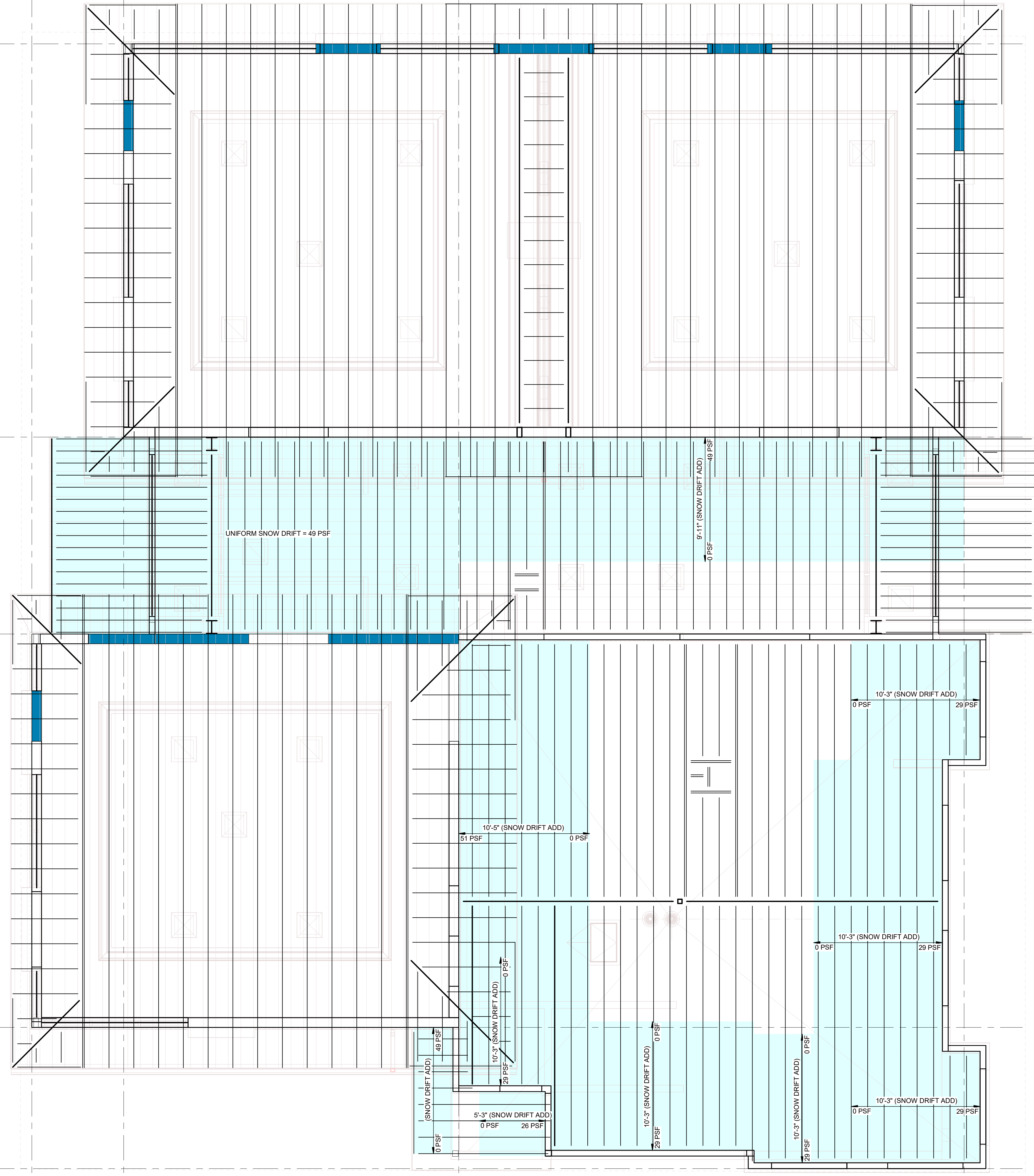
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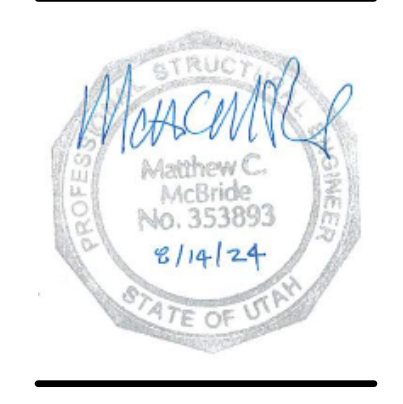


**SNOW DRIFT PLAN**  
SCALE: 1/4" = 1'-0"

1  
S104



CITY STAMP

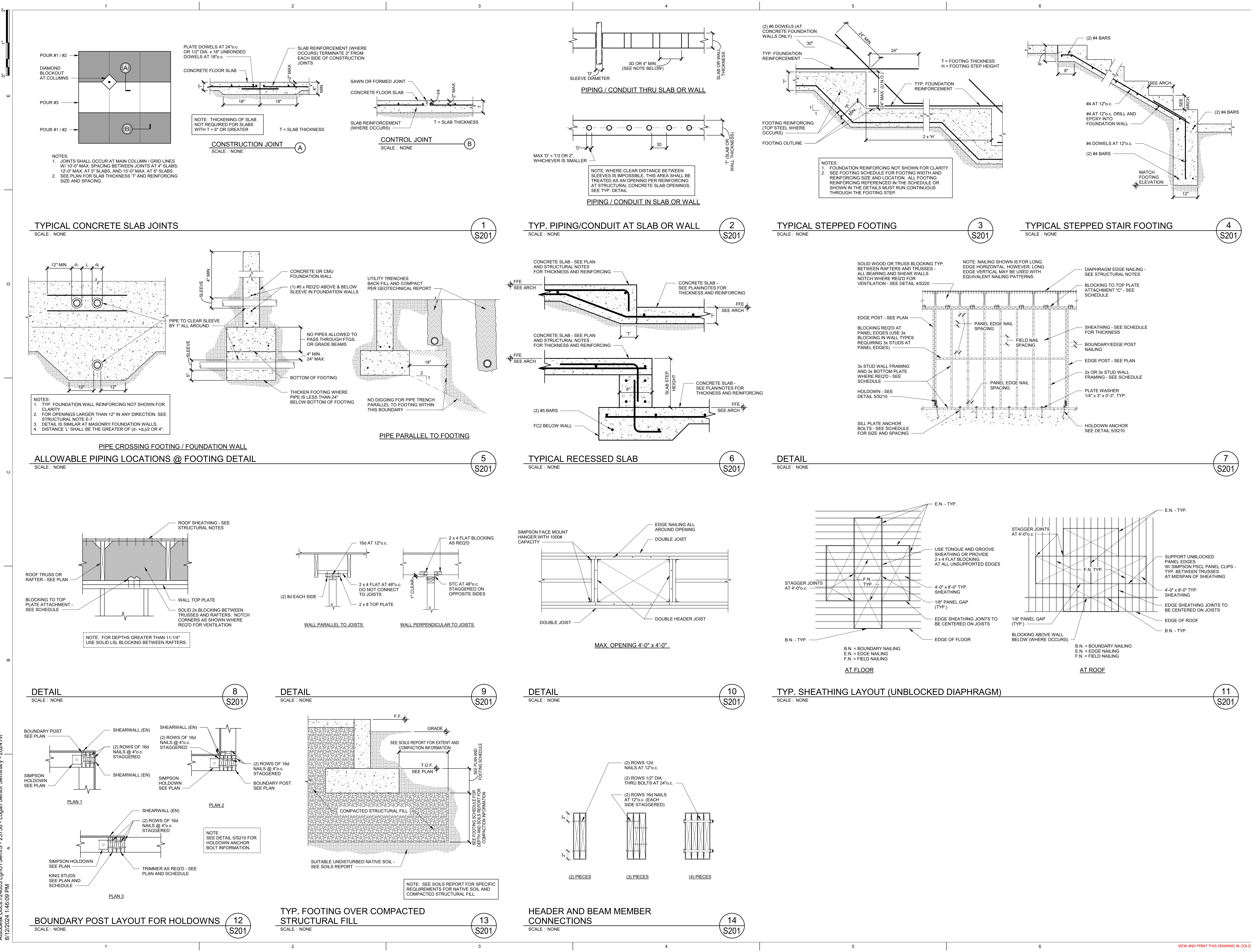


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**SNOW  
DRIFT  
PLAN**

S104

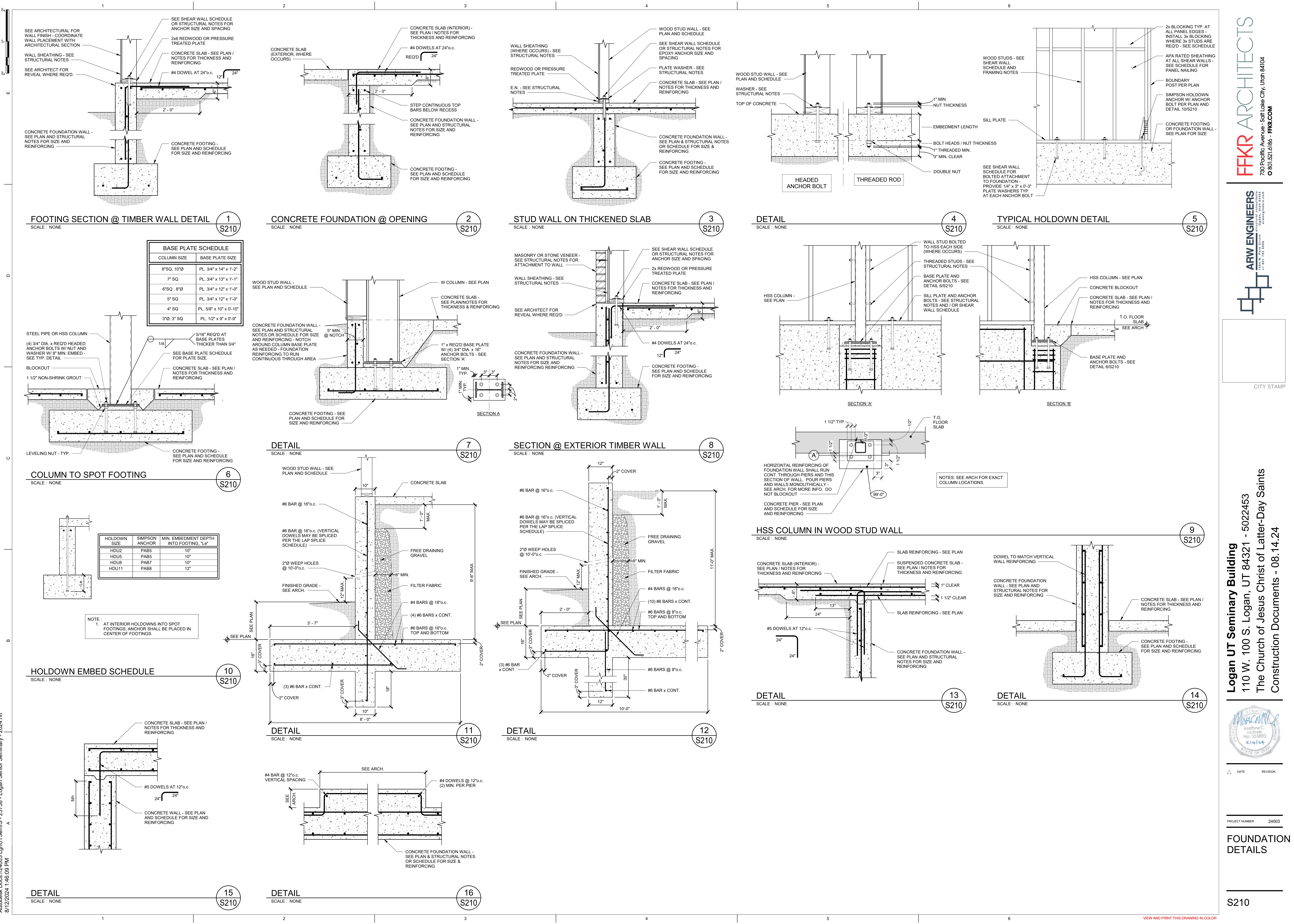


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**TYPICAL DETAILS**

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**FOOTING SECTION @ TIMBER WALL DETAIL**  
SCALE: NONE

**CONCRETE FOUNDATION @ OPENING**  
SCALE: NONE

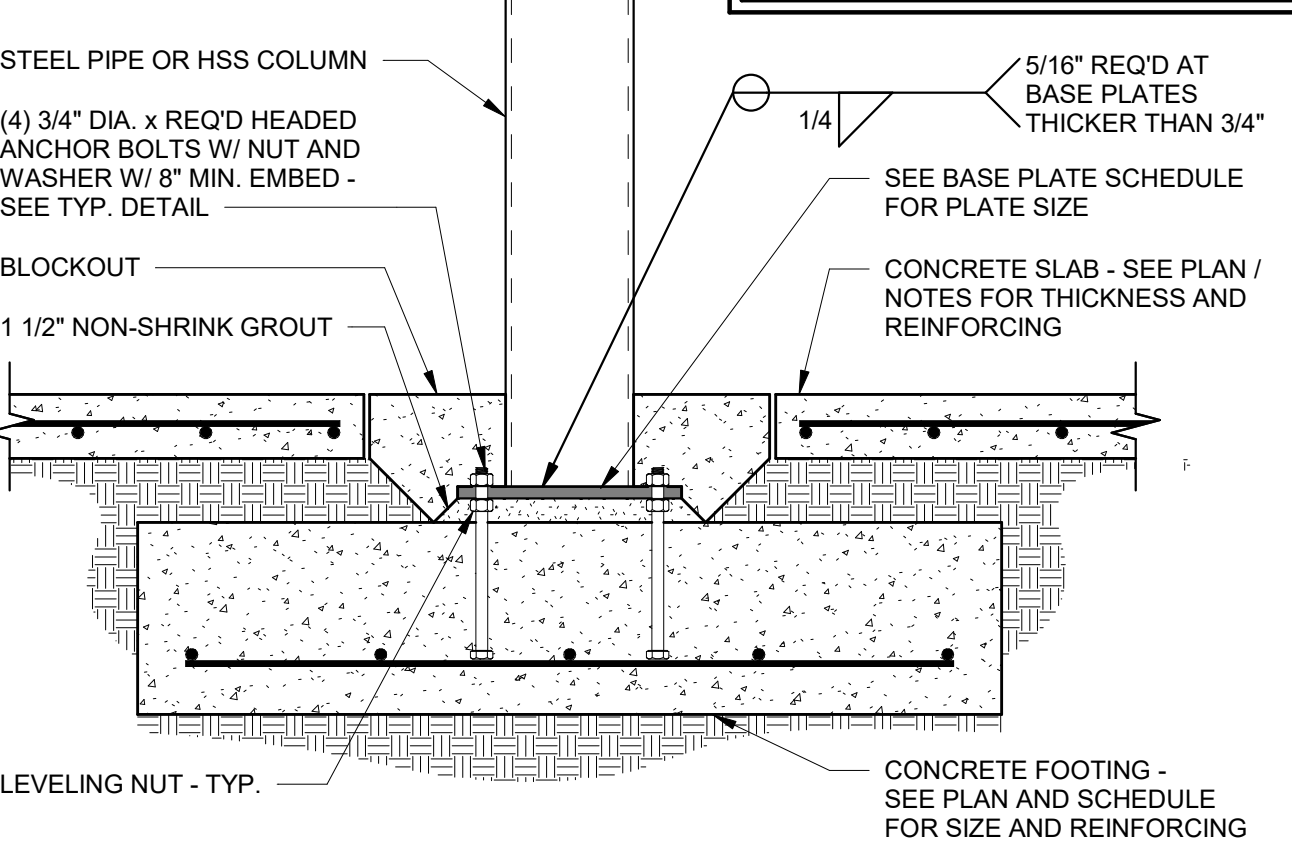
**STUD WALL ON THICKENED SLAB**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

**TYPICAL HOLDOWN DETAIL**  
SCALE: NONE

**BASE PLATE SCHEDULE**

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



**COLUMN TO SPOT FOOTING**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

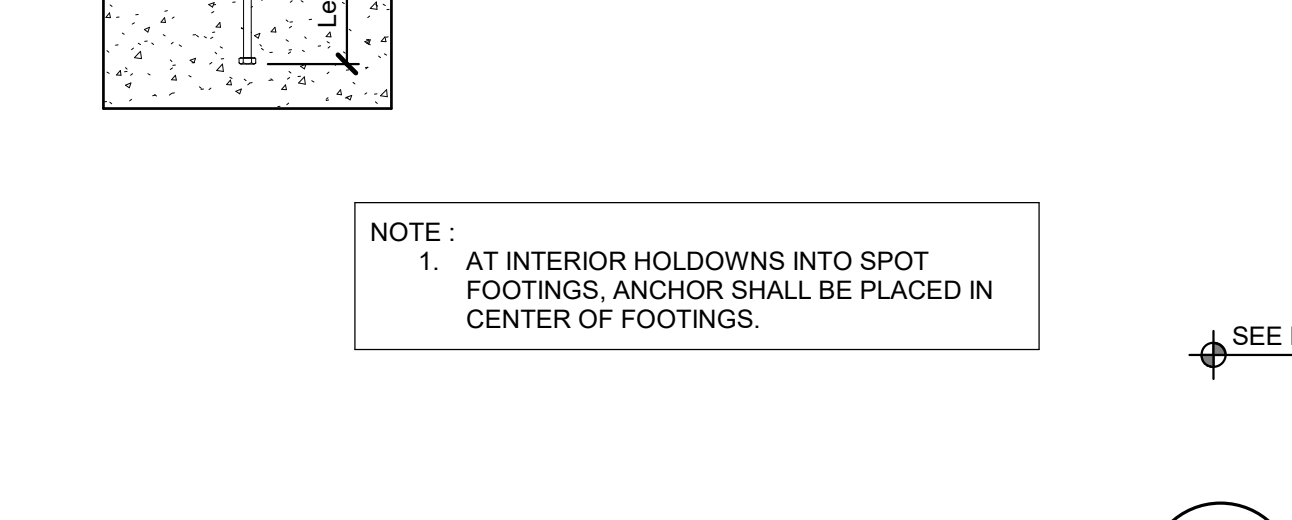
**SECTION @ EXTERIOR TIMBER WALL**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

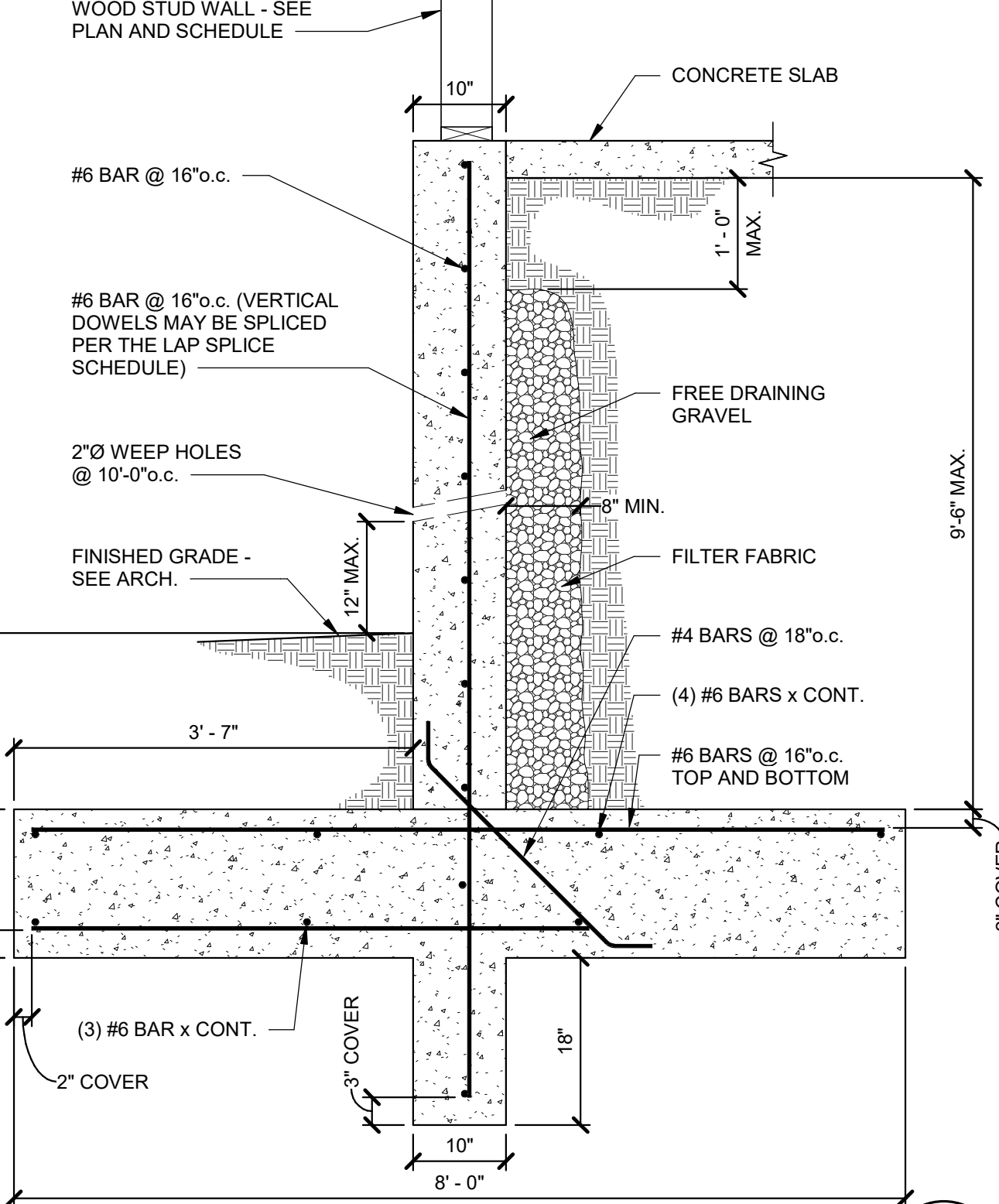
**DETAIL**  
SCALE: NONE

**HOLDOWN EMBED SCHEDULE**

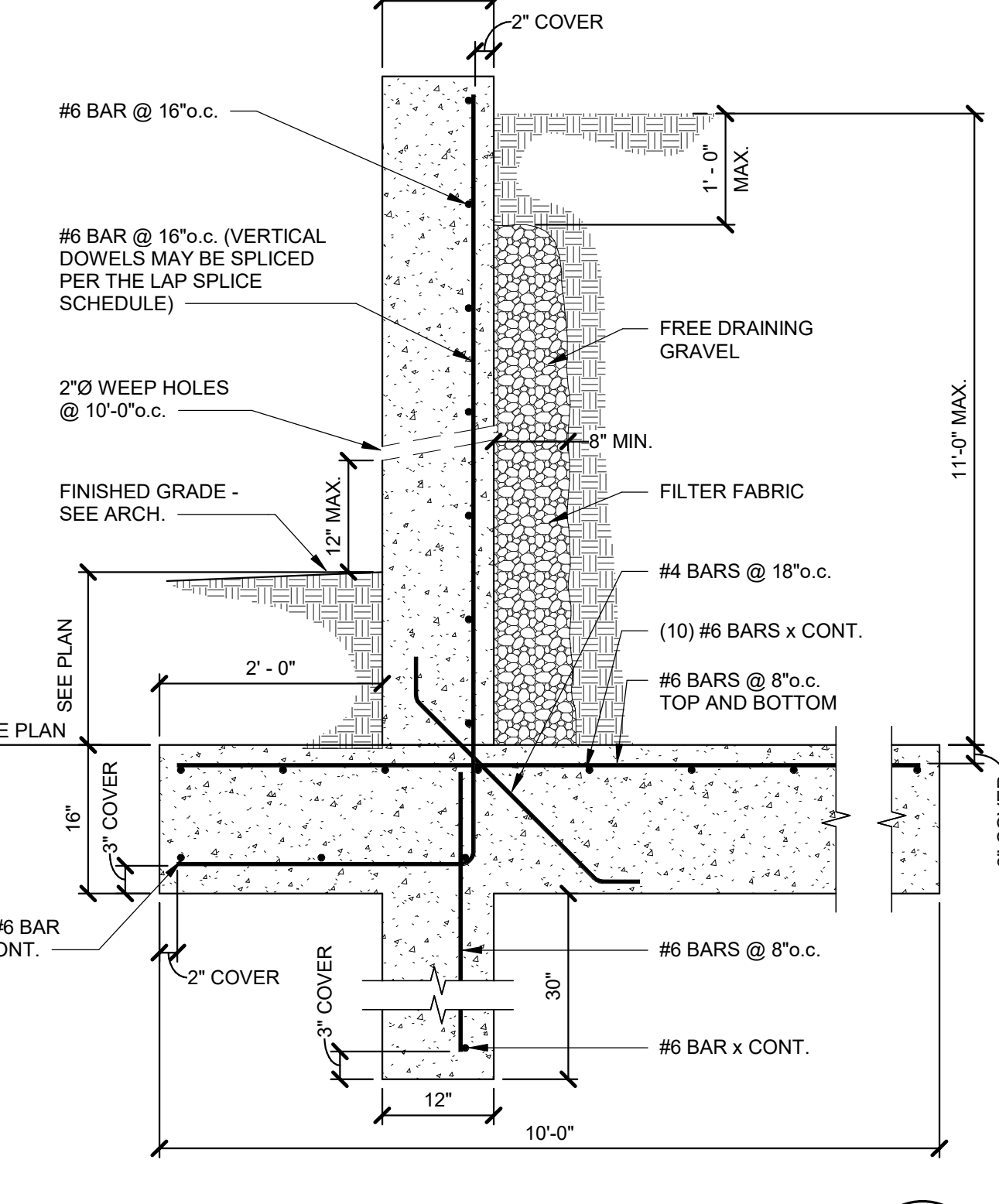
HOLDOWN SIZE	SIMPSON ANCHOR	MIN. EMBEDMENT DEPTH INTO FOOTING, "Le"
HDU2	PAB5	10"
HDU5	PAB5	10"
HDU8	PAB7	10"
HDU11	PAB8	12"



**HOLDOWN EMBED SCHEDULE**  
SCALE: NONE

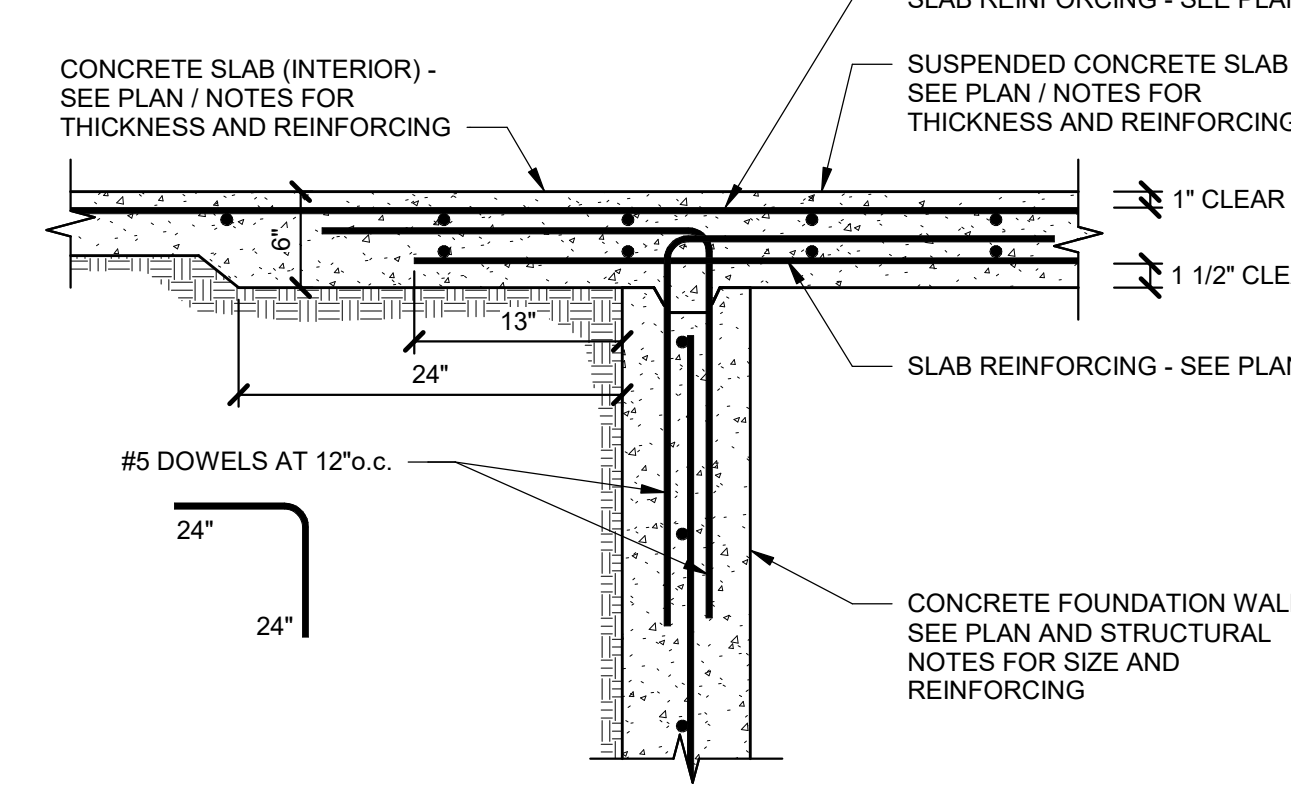


**DETAIL**  
SCALE: NONE

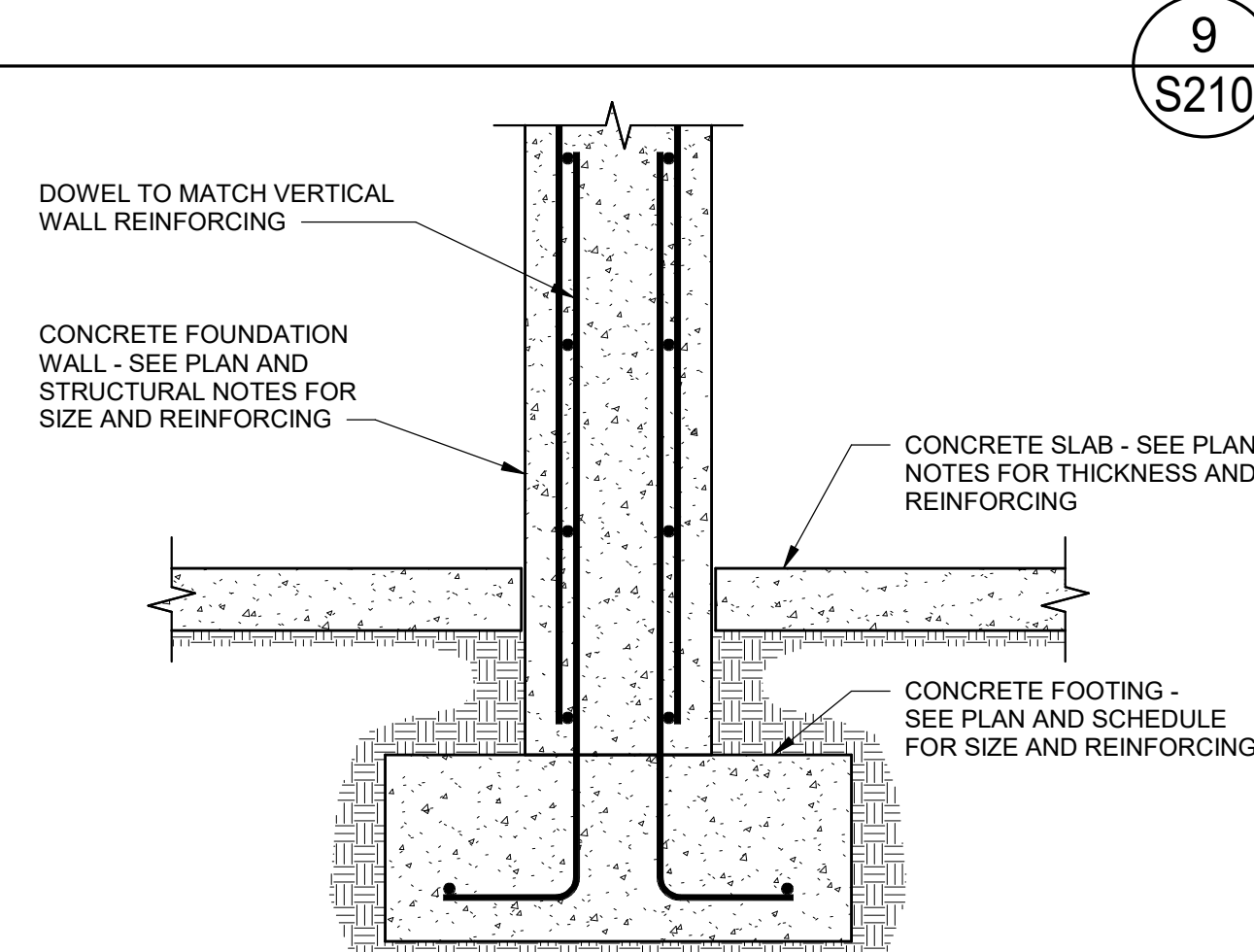


**DETAIL**  
SCALE: NONE

**HSS COLUMN IN WOOD STUD WALL**  
SCALE: NONE



**DETAIL**  
SCALE: NONE



**DETAIL**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

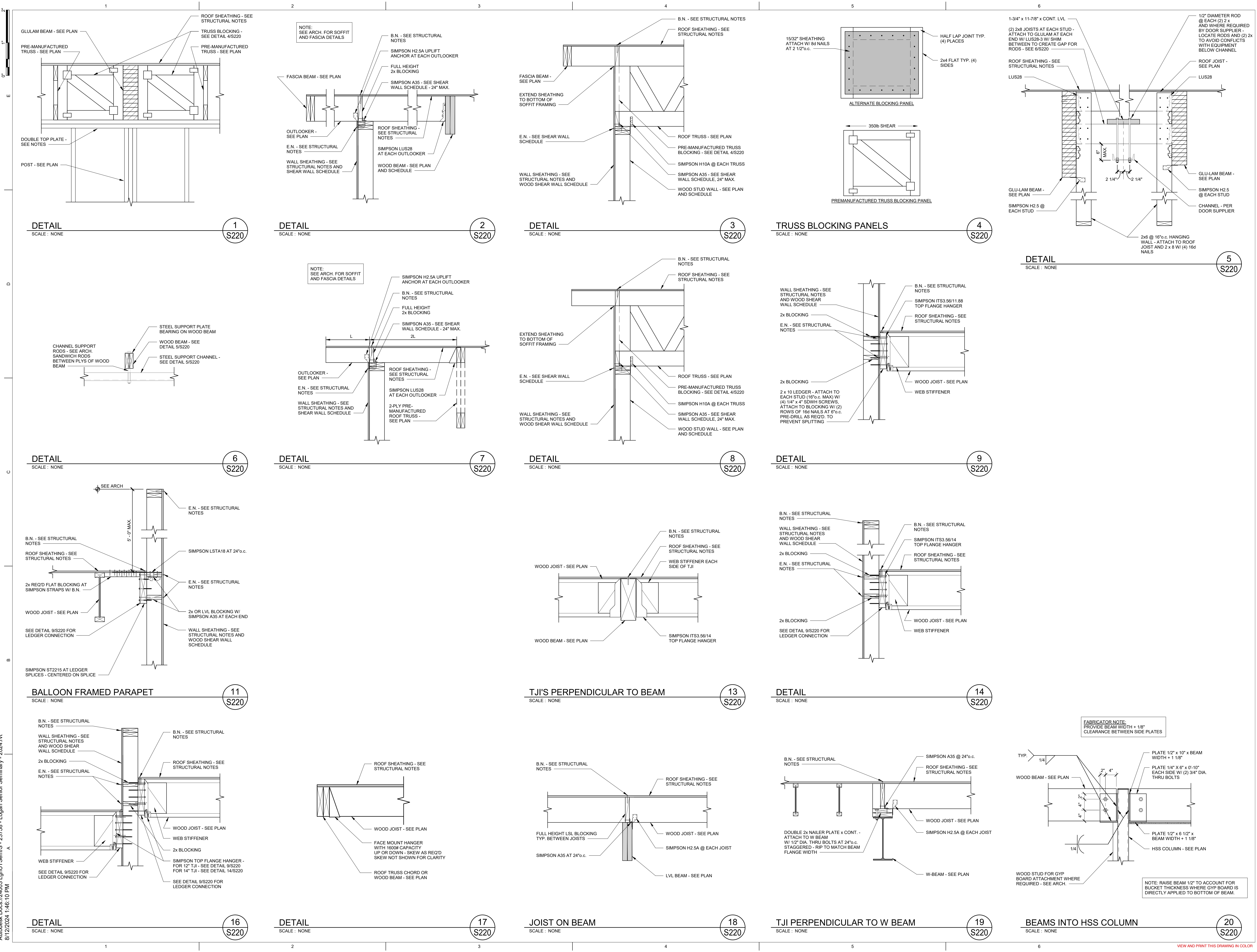
**DETAIL**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

**DETAIL**  
SCALE: NONE

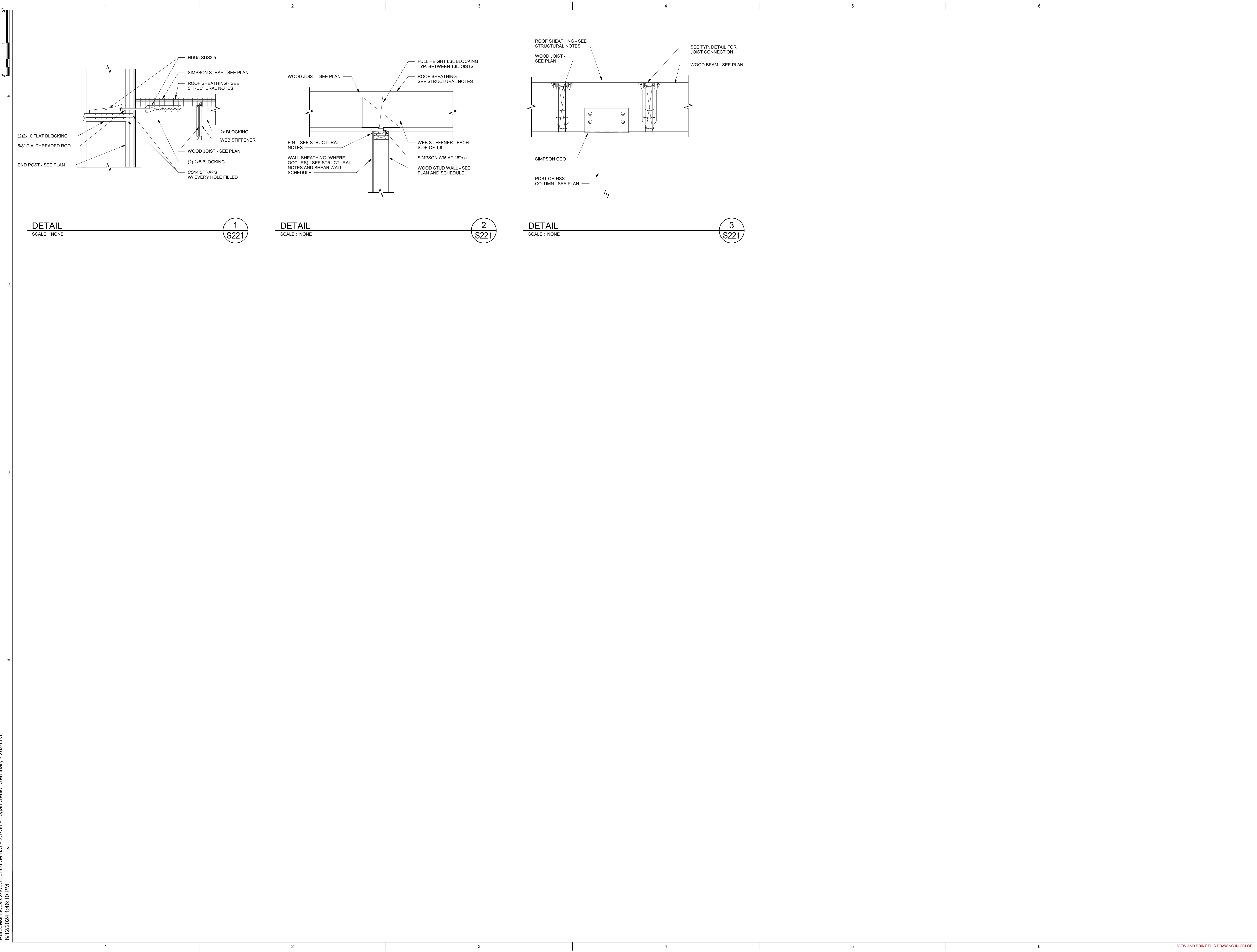
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DETAIL  
SCALE: NONE  
1  
S221

DETAIL  
SCALE: NONE  
2  
S221

DETAIL  
SCALE: NONE  
3  
S221

**FFKR ARCHITECTS**  
730 Pacific Avenue - Salt Lake City, Utah 84104  
O 801.521.6186 - FFKR.COM

**ARW ENGINEERS**  
ARCHITECTS ENGINEERS CONTRACTORS  
1100 W. 100 S. SUITE 200  
LOGAN, UTAH 84301

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**Logan UT Seminary Building**  
110 W. 100 S. Logan, UT 84321 - 5022453  
The Church of Jesus Christ of Latter-Day Saints  
Construction Documents - 08.14.24



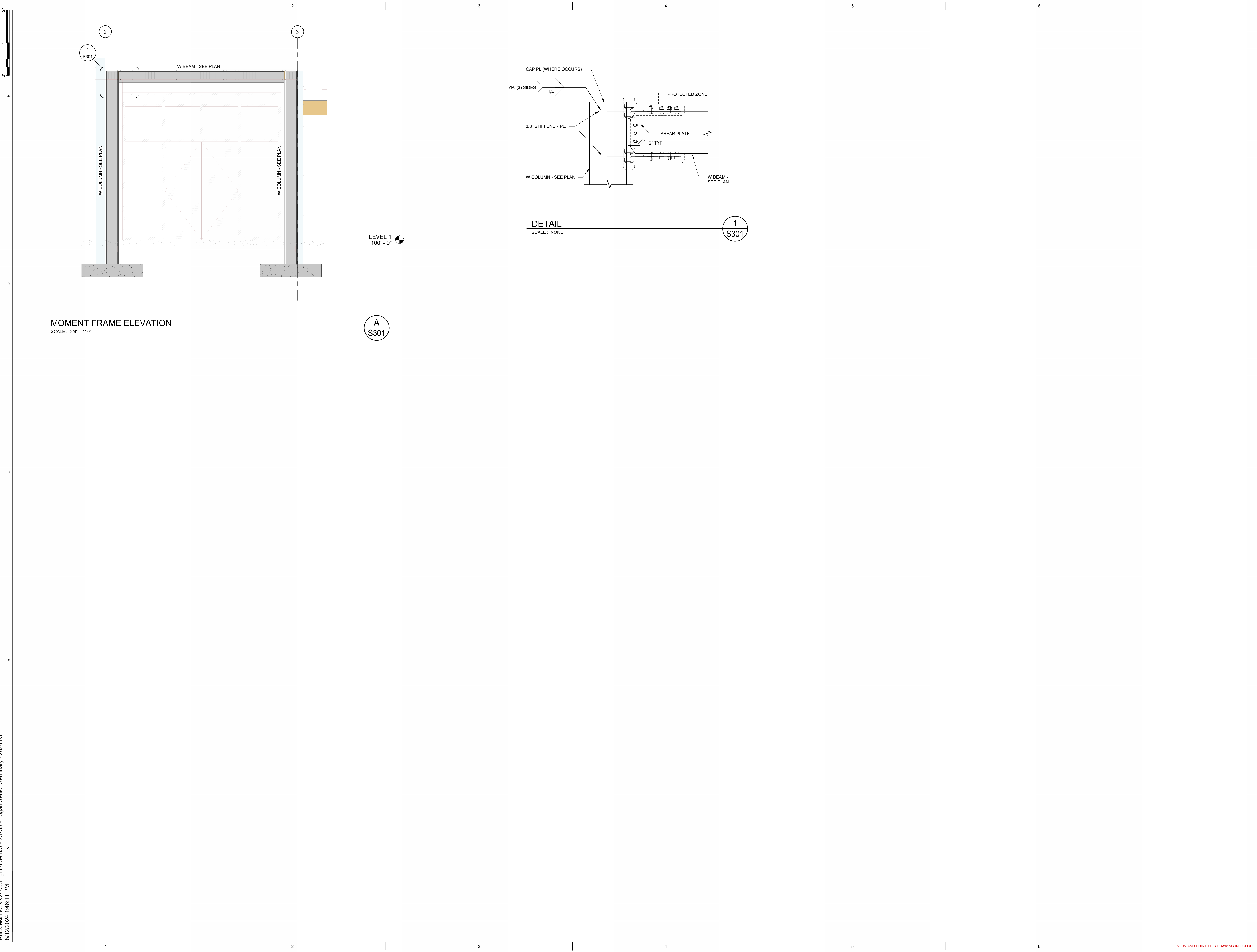
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**FRAMING  
DETAILS**

S221

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MOMENT FRAME ELEVATION  
SCALE: 3/8" = 1'-0"

DETAIL  
SCALE: NONE



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ELEVATIONS

S301



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

**FFKR ARCHITECTS**  
730 Pacific Avenue - Salt Lake City, Utah 84104  
801.521.6186 - FFKR.COM

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ARWENGINEERS.COM



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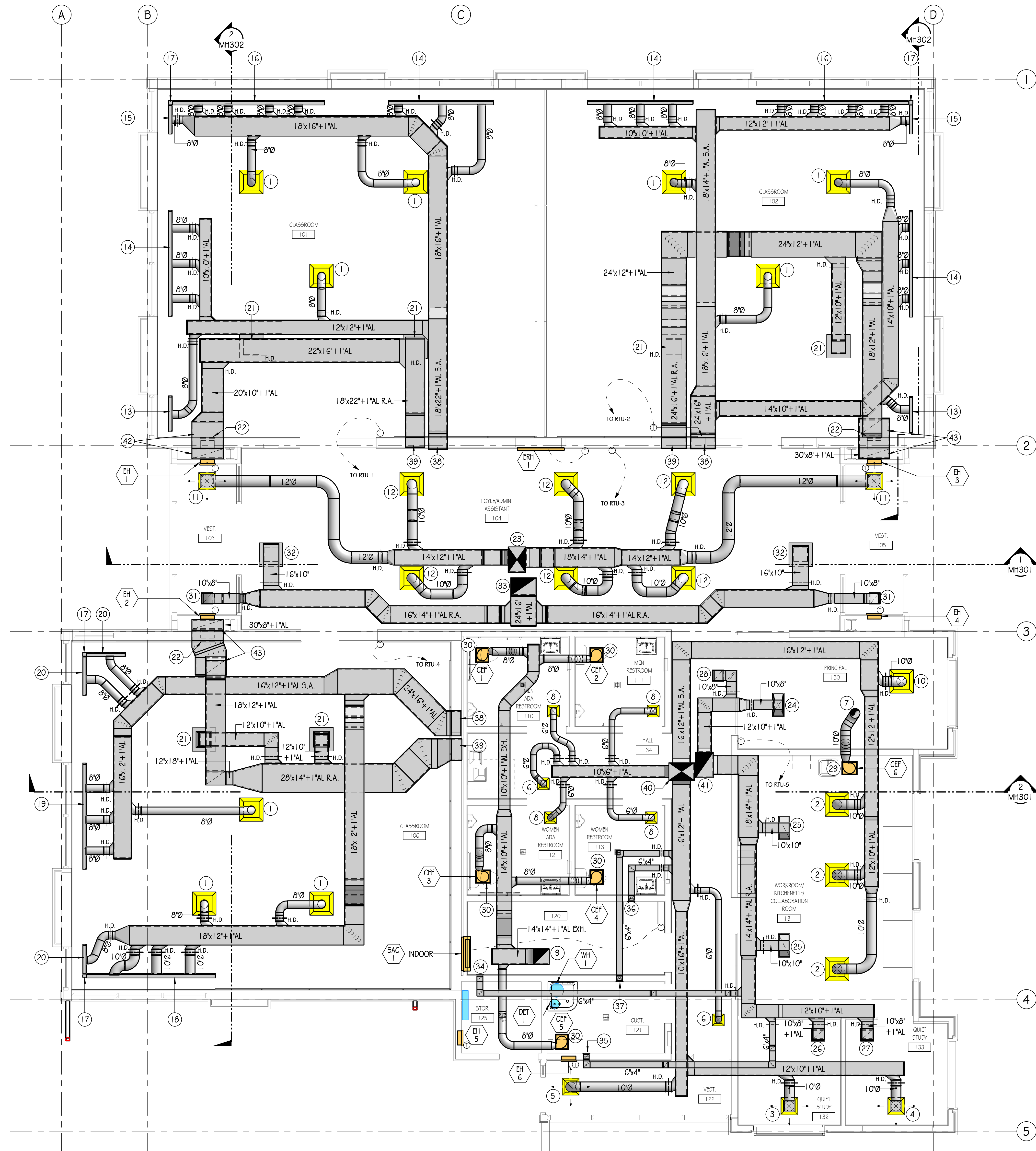
PROJECT NUMBER 24003

**SCHEMATIC REFERENCE**

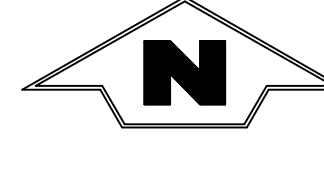
S401

VIEW AND PRINT THIS DRAWING IN COLOR





**LEVEL 1 MECHANICAL PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



**DRAWING NOTES**

1	5-1	200 CFM, 8"Ø NECK, SUPPLY AIR DIFFUSER.
2	5-1	270 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
3	5-2	285 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
4	5-2	325 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
5	5-2	300 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
6	5-2	95 CFM, 6"Ø NECK, SUPPLY AIR DIFFUSER.
7		RISE 10"Ø EXHAUST DUCT UP TO VENTILATION HOOD (GVH-2) ON ROOF. TRANSITION AS REQUIRED AND CONNECT TO GVH-2 INLET.
8	5-2	35 CFM, 6"Ø NECK, SUPPLY AIR DIFFUSER.
9		RISE 14"x14"+1"Ø EXHAUST DUCT UP TO VENTILATION HOOD (GVH-1) ON ROOF. TRANSITION AS REQUIRED AND CONNECT TO GVH-1 INLET.
10	5-1	310 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
11	5-2	350 CFM, 12"Ø NECK, SUPPLY AIR DIFFUSER.
12	5-1	300 CFM, 10"Ø NECK, SUPPLY AIR DIFFUSER.
13	5-3	155 CFM, 3'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
14	5-3	500 CFM, 9'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
15	5-3	130 CFM, 3'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
16	5-3	615 CFM, 13'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
17		LINEAR SLOT DIFFUSERS ARE CONTINUOUS WITH A MITERED CORNER.
18	5-3	720 CFM, 11'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
19	5-3	580 CFM, 9'-0"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
20	5-3	200 CFM, 3'-4"x1' SLOT SUPPLY AIR DIFFUSER WITH JETTHROW PATTERN CONTROLLER.
21	R-4	625 CFM, 12"x12" NECK, RETURN AIR GRILLE.
22	R-1	1250 CFM, 20"x20" NECK, RETURN AIR GRILLE LOCATED LOW IN WALL.
23		24"x16"+1"Ø SUPPLY AIR DUCT DOWN FROM RTU-3 ON ROOF. REFERENCE DRAWING 1/MH121 FOR CONTINUATION.
24	R-2	310 CFM, 10"x10" NECK, RETURN AIR GRILLE.
25	R-2	405 CFM, 10"x10" NECK, RETURN AIR GRILLE.
26	R-3	285 CFM, 10"x10" NECK, RETURN AIR GRILLE.
27	R-3	325 CFM, 10"x10" NECK, RETURN AIR GRILLE.
28	R-3	330 CFM, 10"x10" NECK, RETURN AIR GRILLE.
29		CEILING EXHAUST FAN TURNS ON WITH SEPARATE SWITCH.
30		CEILING EXHAUST FAN TURNS ON WITH THE LIGHTS.
31	R-3	350 CFM, 10"x10" NECK, RETURN AIR GRILLE.
32	R-4	900 CFM, 14"x14" NECK, RETURN AIR GRILLE.
33		RISE 24"x16"+1"Ø RETURN AIR DUCT UP TO RTU-3 ON ROOF. REFERENCE DRAWING 1/MH121 FOR CONTINUATION.
34	R-5	80 CFM, 6"x4" NECK, RETURN AIR GRILLE.
35	R-5	60 CFM, 6"x4" NECK, RETURN AIR GRILLE.
36	5-4	80 CFM, 6"x4" NECK, SUPPLY AIR DIFFUSER.
37	5-4	60 CFM, 6"x4" NECK, SUPPLY AIR DIFFUSER.
38		REFERENCE DRAWING 1/MH121 FOR CONTINUATION OF SUPPLY AIR DUCT.
39		REFERENCE DRAWING 1/MH121 FOR CONTINUATION OF RETURN AIR DUCT.
40		24"x16"+1"Ø SUPPLY AIR DUCT DOWN FROM RTU-5 ON ROOF. REFERENCE MH121 FOR CONTINUATION.
41		RISE 24"x16"+1"Ø RETURN AIR DUCT UP TO RTU-5 ON ROOF. REFERENCE DRAWING 1/MH121 FOR CONTINUATION.
42		ROUTE 30"x8"+1"Ø RETURN AIR DUCT THROUGH WALL INTO CHASE AND EXTEND DOWN TO THE LOW SIDEWALL RETURN AIR GRILLE.
43		DROP 18"x12"+1"Ø RETURN AIR DUCT DOWN AND CONNECT TO 30"x8"+1"Ø RETURN AIR DUCT WITH A 45 DEG. CONNECTION. ROUTE 30"x8"+1"Ø RETURN AIR DUCT THROUGH WALL INTO CHASE AND EXTEND DOWN TO THE LOW SIDEWALL RETURN AIR GRILLE.

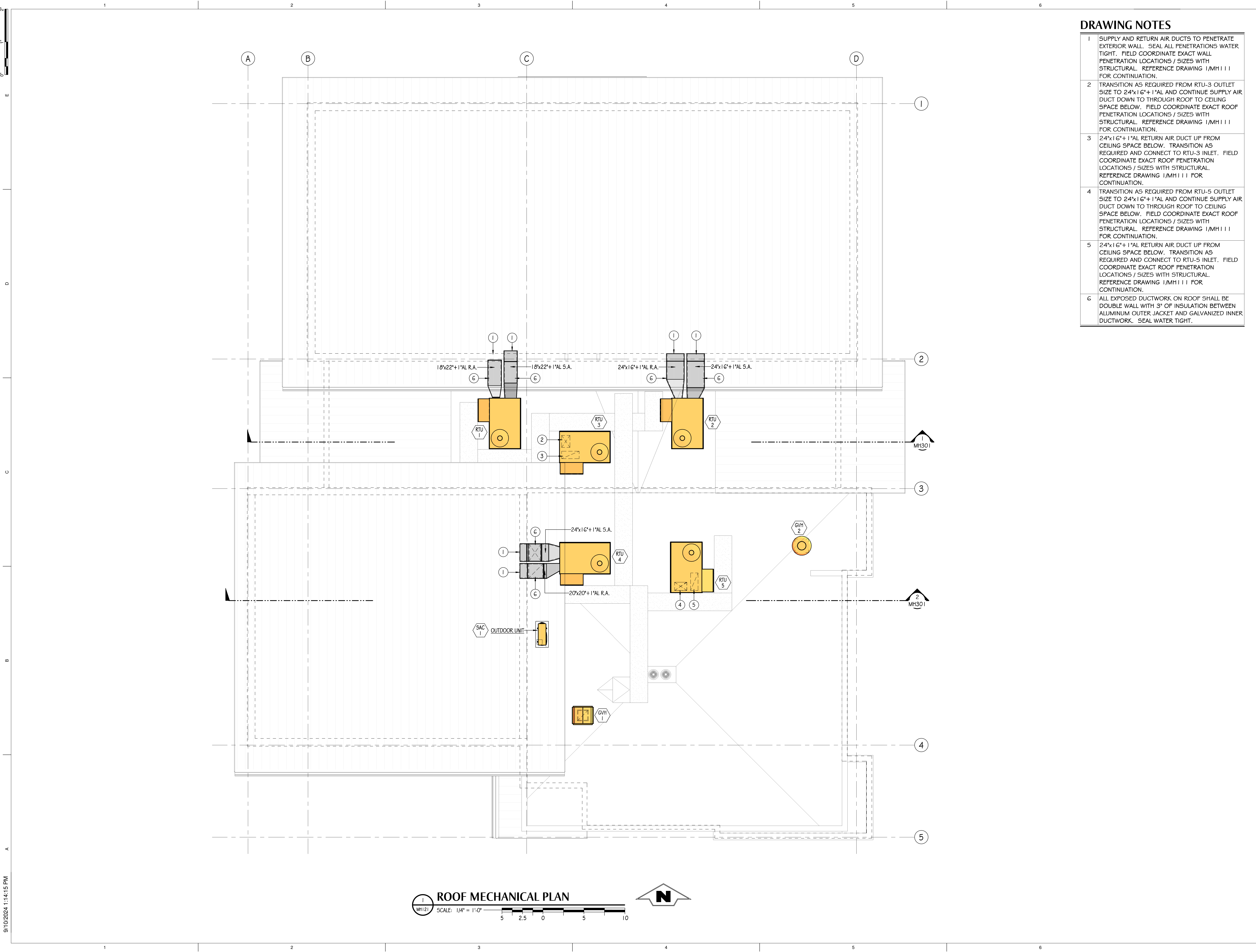


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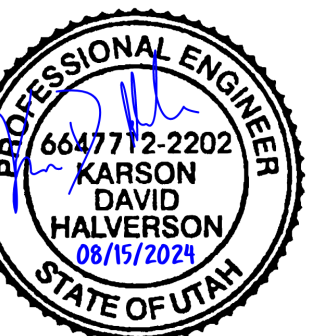
**LEVEL 1 MECHANICAL PLAN**

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**DRAWING NOTES**

- 1 SUPPLY AND RETURN AIR DUCTS TO PENETRATE EXTERIOR WALL. SEAL ALL PENETRATIONS WATER TIGHT. FIELD COORDINATE EXACT WALL PENETRATION LOCATIONS / SIZES WITH STRUCTURAL. REFERENCE DRAWING 1/MH111 FOR CONTINUATION.
- 2 TRANSITION AS REQUIRED FROM RTU-3 OUTLET SIZE TO 24"x16"+1"AL AND CONTINUE SUPPLY AIR DUCT DOWN TO THROUGH ROOF TO CEILING SPACE BELOW. FIELD COORDINATE EXACT ROOF PENETRATION LOCATIONS / SIZES WITH STRUCTURAL. REFERENCE DRAWING 1/MH111 FOR CONTINUATION.
- 3 24"x16"+1"AL RETURN AIR DUCT UP FROM CEILING SPACE BELOW. TRANSITION AS REQUIRED AND CONNECT TO RTU-3 INLET. FIELD COORDINATE EXACT ROOF PENETRATION LOCATIONS / SIZES WITH STRUCTURAL. REFERENCE DRAWING 1/MH111 FOR CONTINUATION.
- 4 TRANSITION AS REQUIRED FROM RTU-5 OUTLET SIZE TO 24"x16"+1"AL AND CONTINUE SUPPLY AIR DUCT DOWN TO THROUGH ROOF TO CEILING SPACE BELOW. FIELD COORDINATE EXACT ROOF PENETRATION LOCATIONS / SIZES WITH STRUCTURAL. REFERENCE DRAWING 1/MH111 FOR CONTINUATION.
- 5 24"x16"+1"AL RETURN AIR DUCT UP FROM CEILING SPACE BELOW. TRANSITION AS REQUIRED AND CONNECT TO RTU-5 INLET. FIELD COORDINATE EXACT ROOF PENETRATION LOCATIONS / SIZES WITH STRUCTURAL. REFERENCE DRAWING 1/MH111 FOR CONTINUATION.
- 6 ALL EXPOSED DUCTWORK ON ROOF SHALL BE DOUBLE WALL WITH 3" OF INSULATION BETWEEN ALUMINUM OUTER JACKET AND GALVANIZED INNER DUCTWORK. SEAL WATER TIGHT.



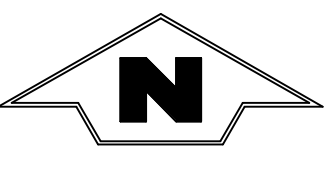
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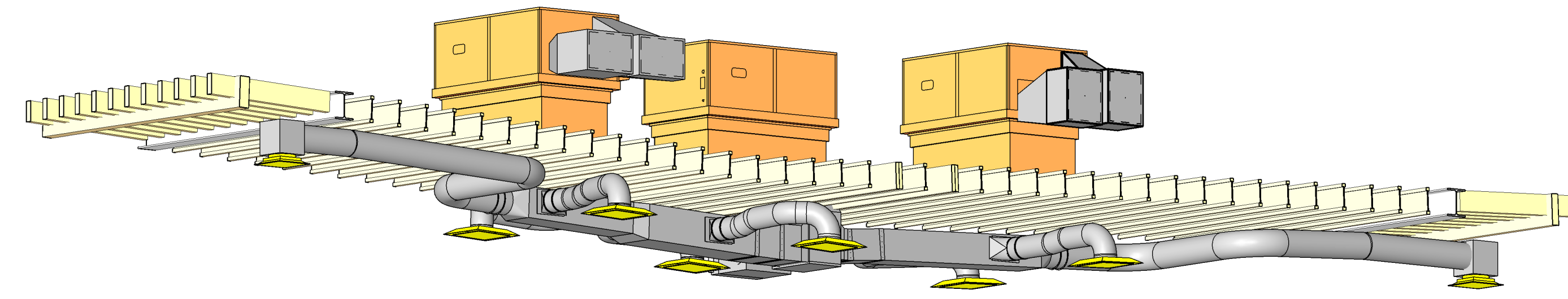
**ROOF MECHANICAL PLAN**

MH121

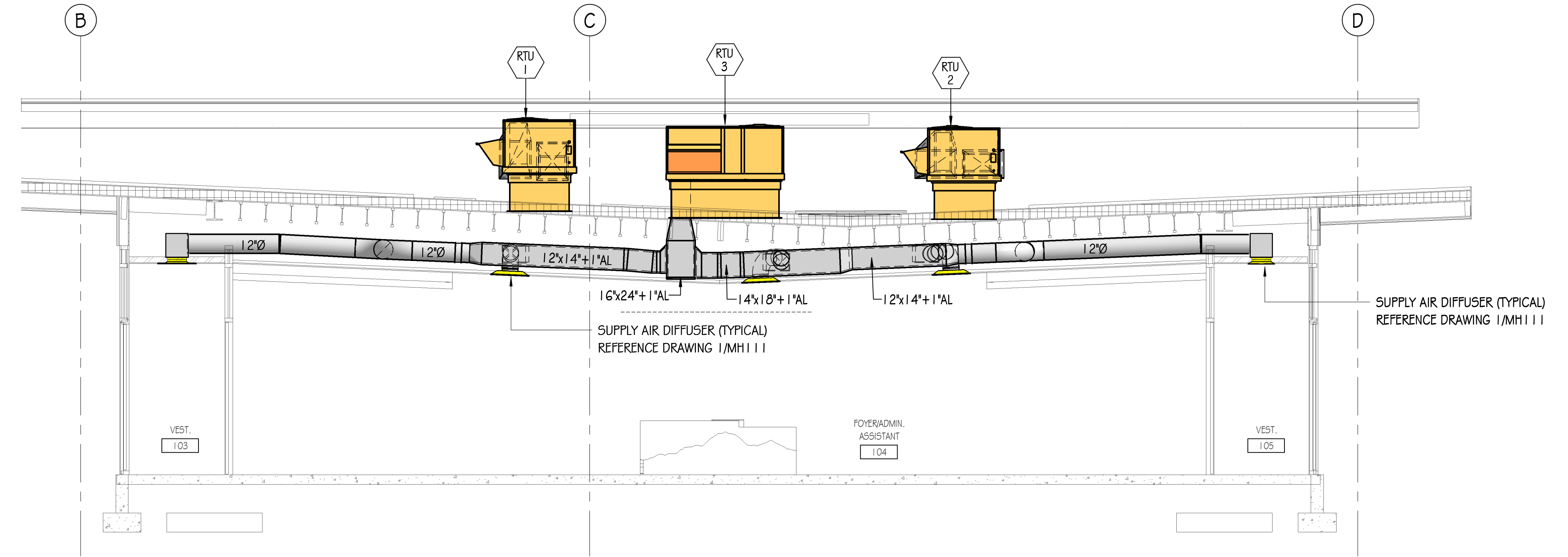
**ROOF MECHANICAL PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



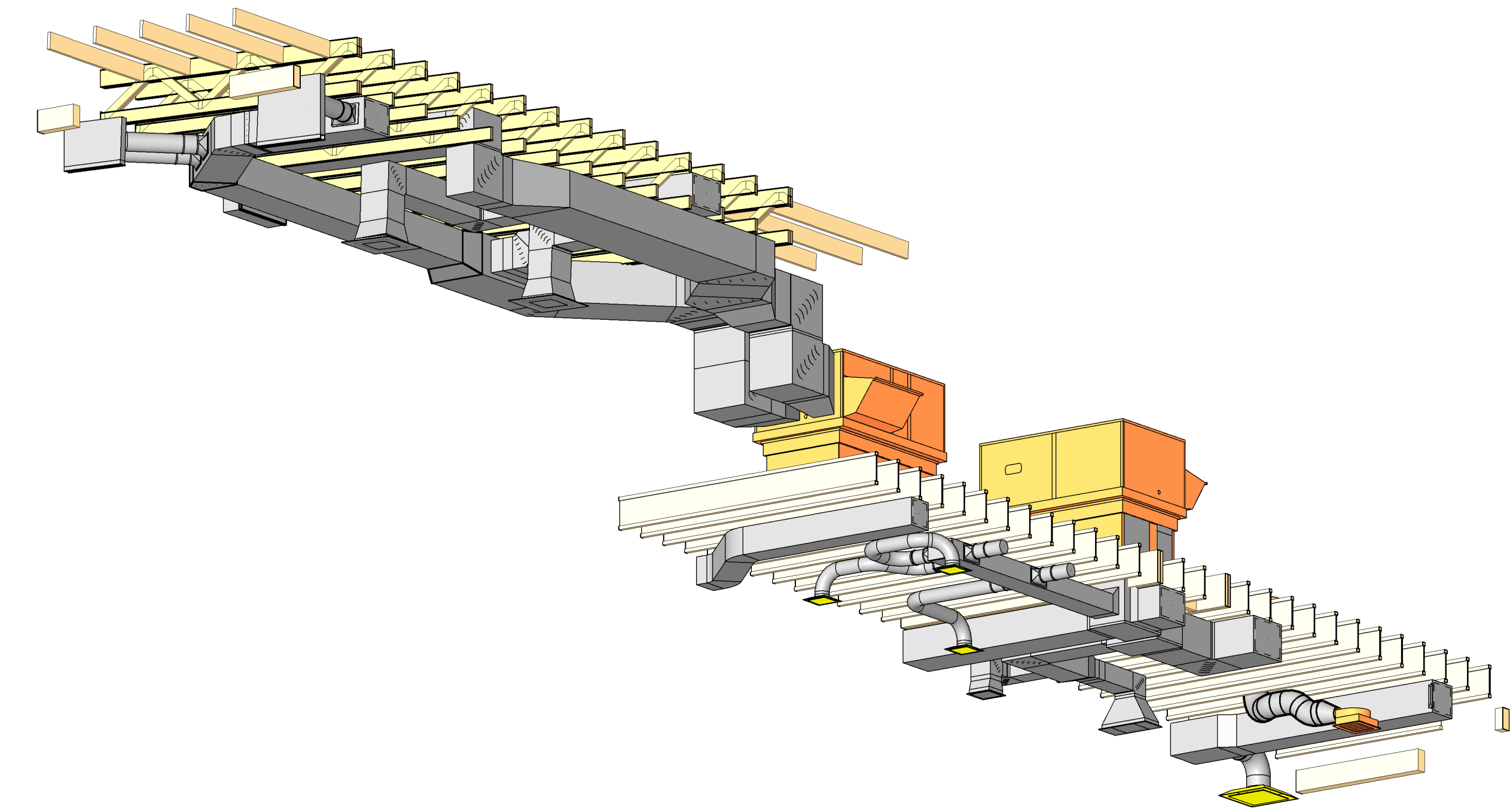
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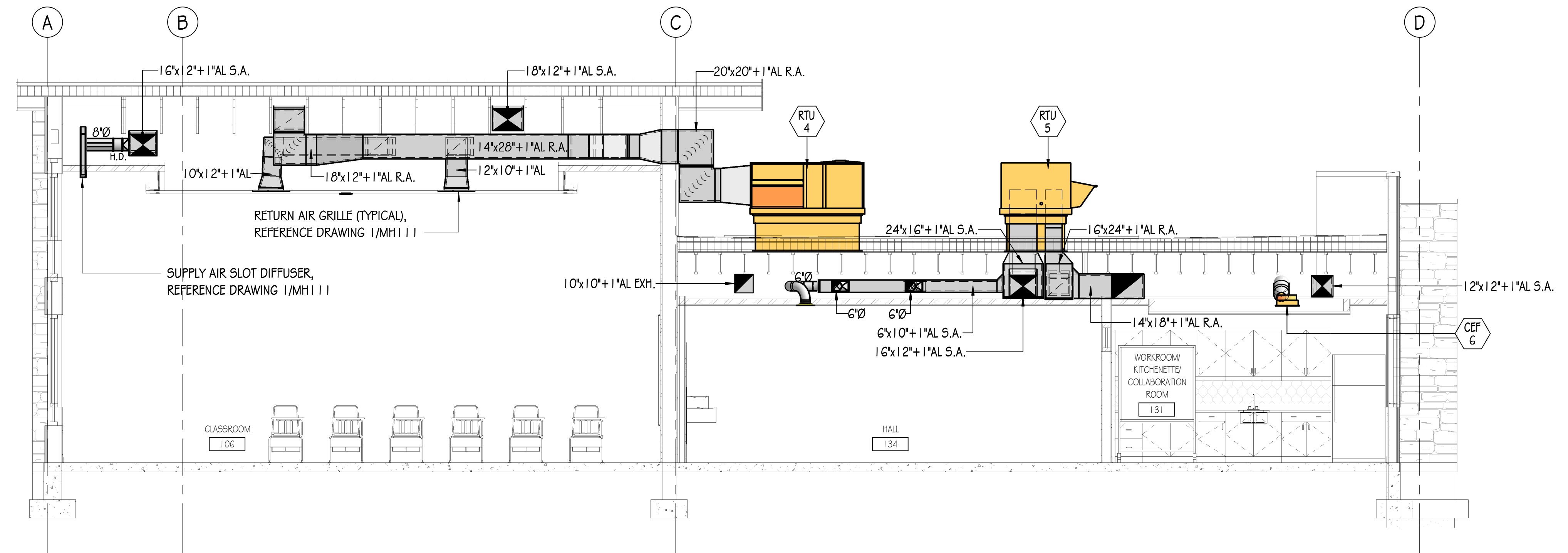
3 MECHANICAL DIAGRAM  
MH301 SCALE: NONE REFERENCE SECTION 1/MH301



1 MECHANICAL SECTION  
MH301 SCALE: 1/4" = 1'-0" 5 2.5 0 5 10



4 MECHANICAL DIAGRAM  
MH301 SCALE: NONE REFERENCE SECTION 2/MH301



2 MECHANICAL SECTION  
MH301 SCALE: 1/4" = 1'-0" 5 2.5 0 5 10



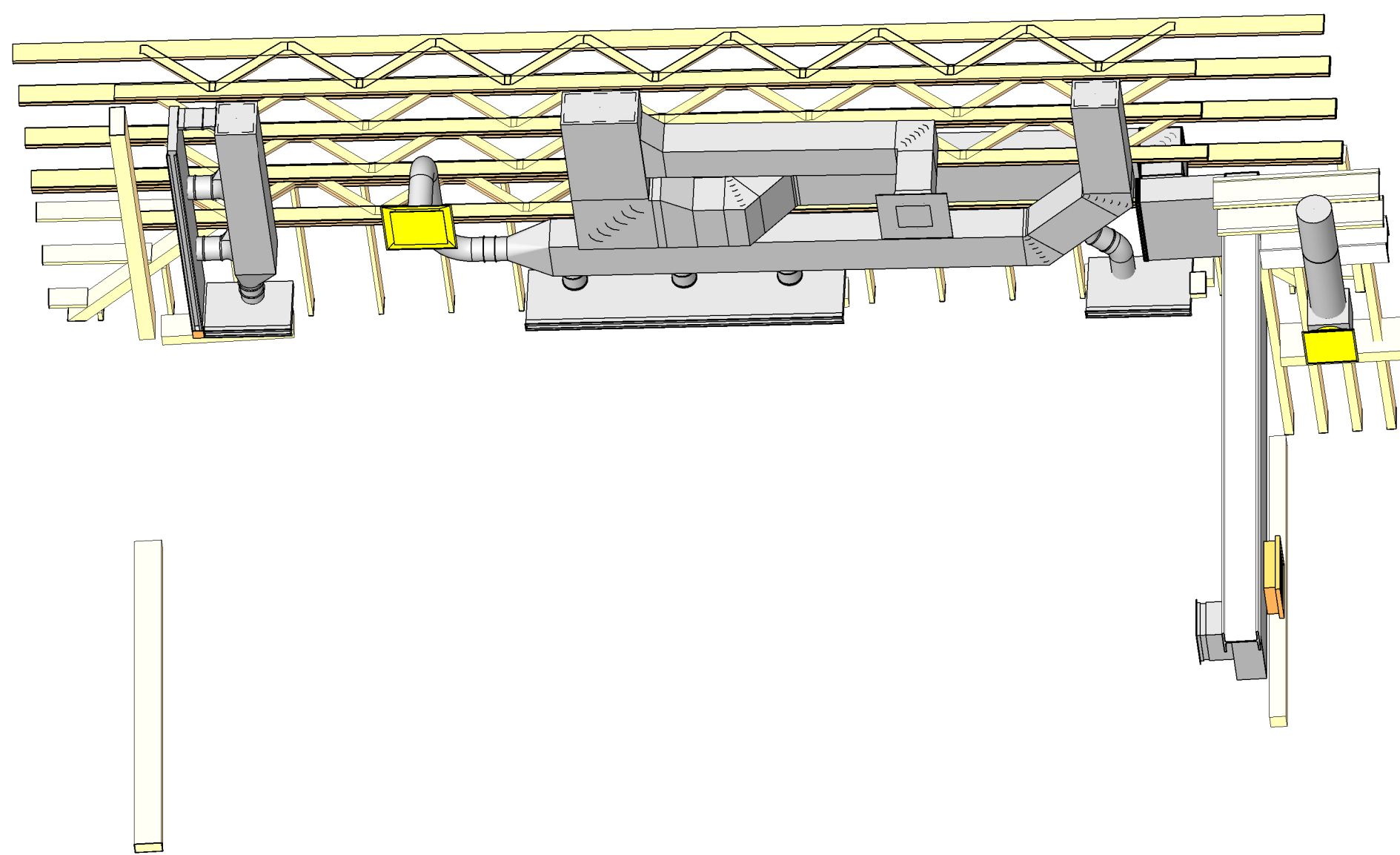
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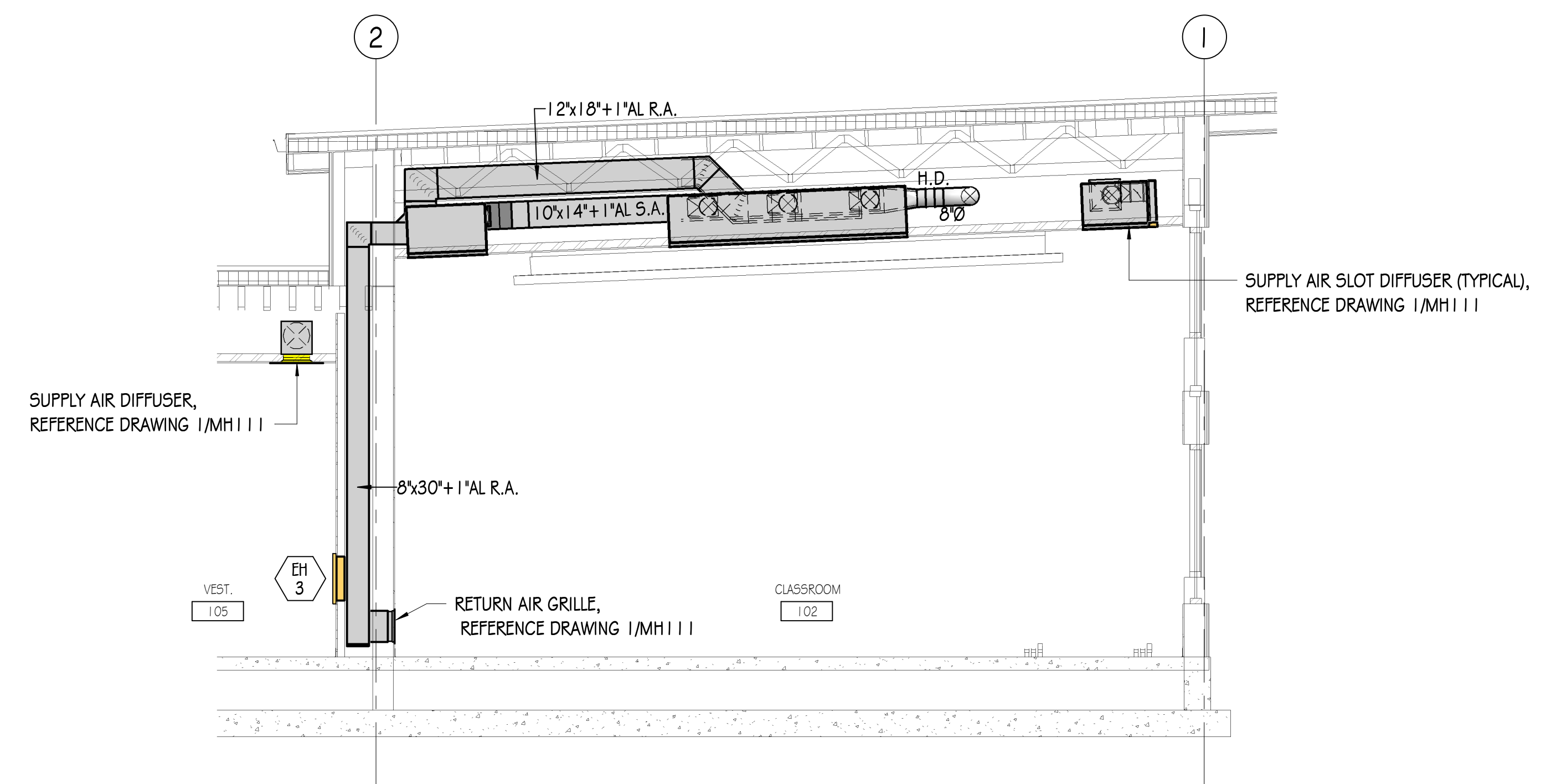
MECHANICAL SECTIONS

MH301

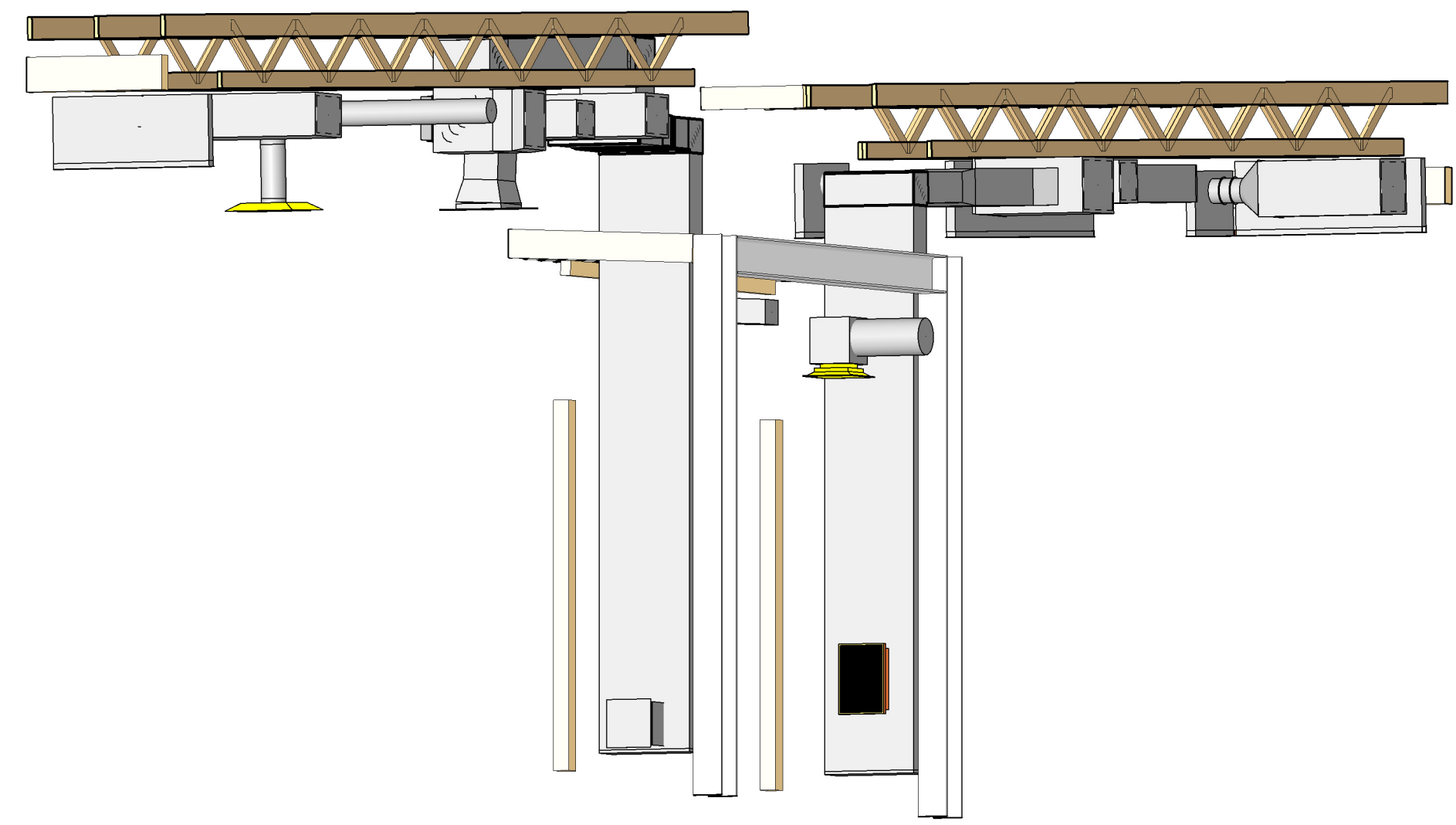




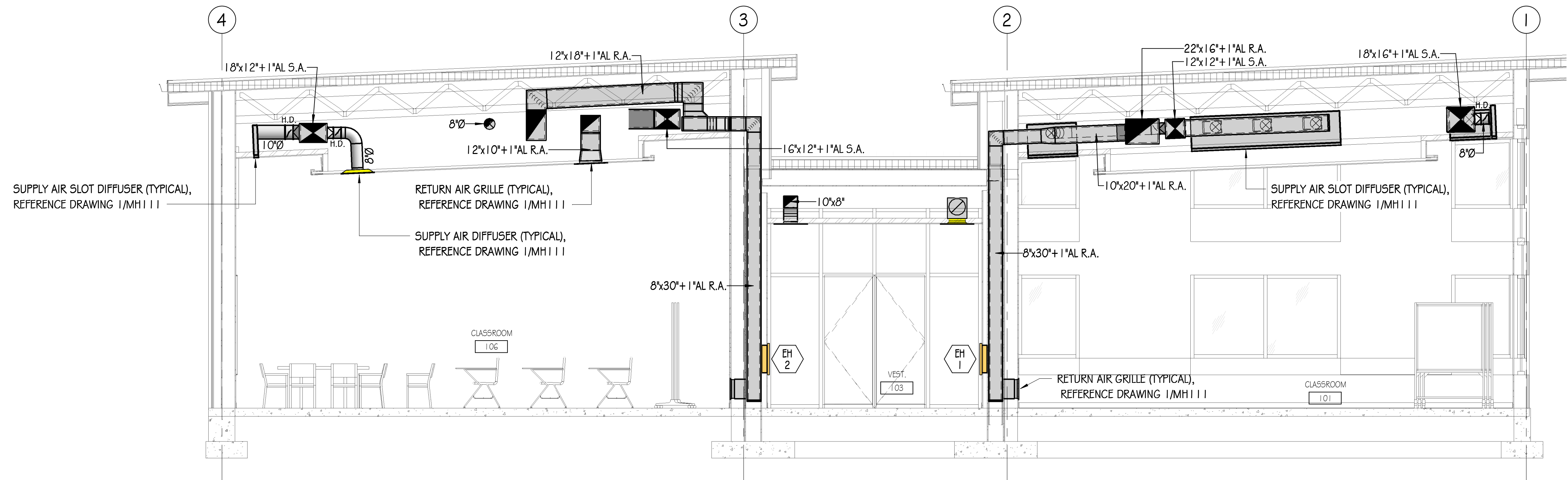
**3 MECHANICAL DIAGRAM**  
 MH302 SCALE: NONE REFERENCE SECTION 1/MH302



**1 MECHANICAL SECTION**  
 MH302 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



**4 MECHANICAL DIAGRAM**  
 MH302 SCALE: NONE REFERENCE SECTION 2/MH302



**2 MECHANICAL SECTION**  
 MH302 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10

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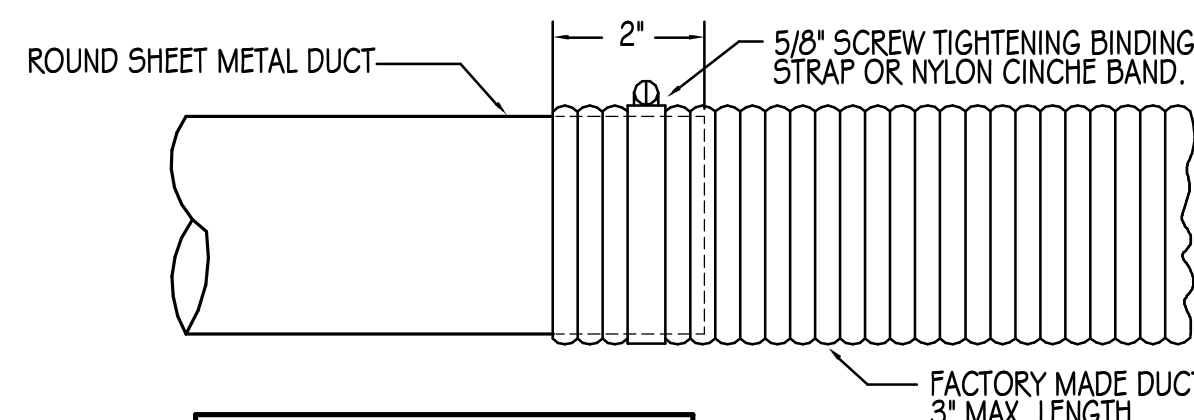


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**MECHANICAL SECTIONS**

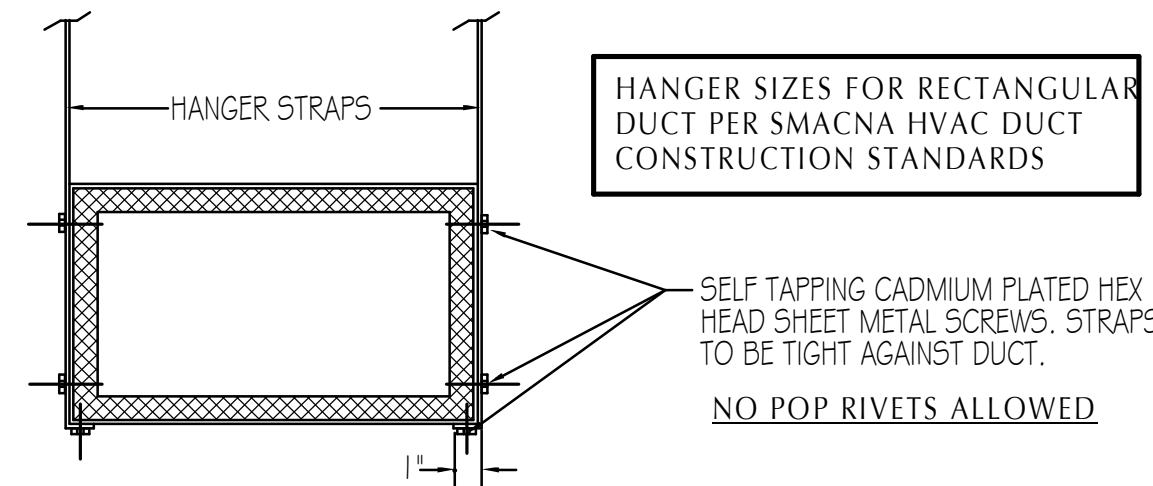
MH302



NOTE:  
FOR INSULATED DUCT, PROVIDE ONE  
ADDITIONAL BAND AROUND THE  
INSULATION.

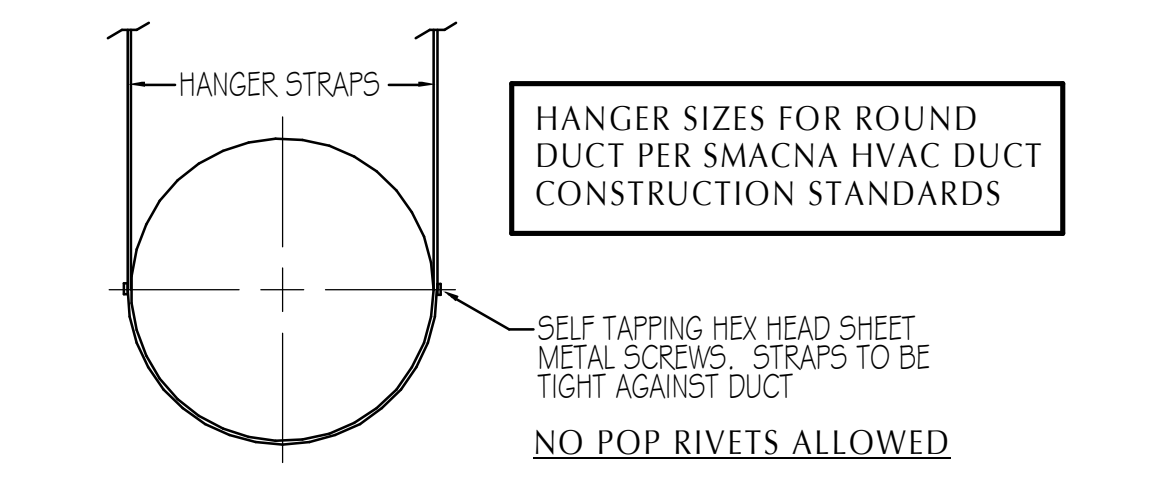
**8 FACTORY MADE DUCT DETAIL**

MHS01 SCALE: NONE



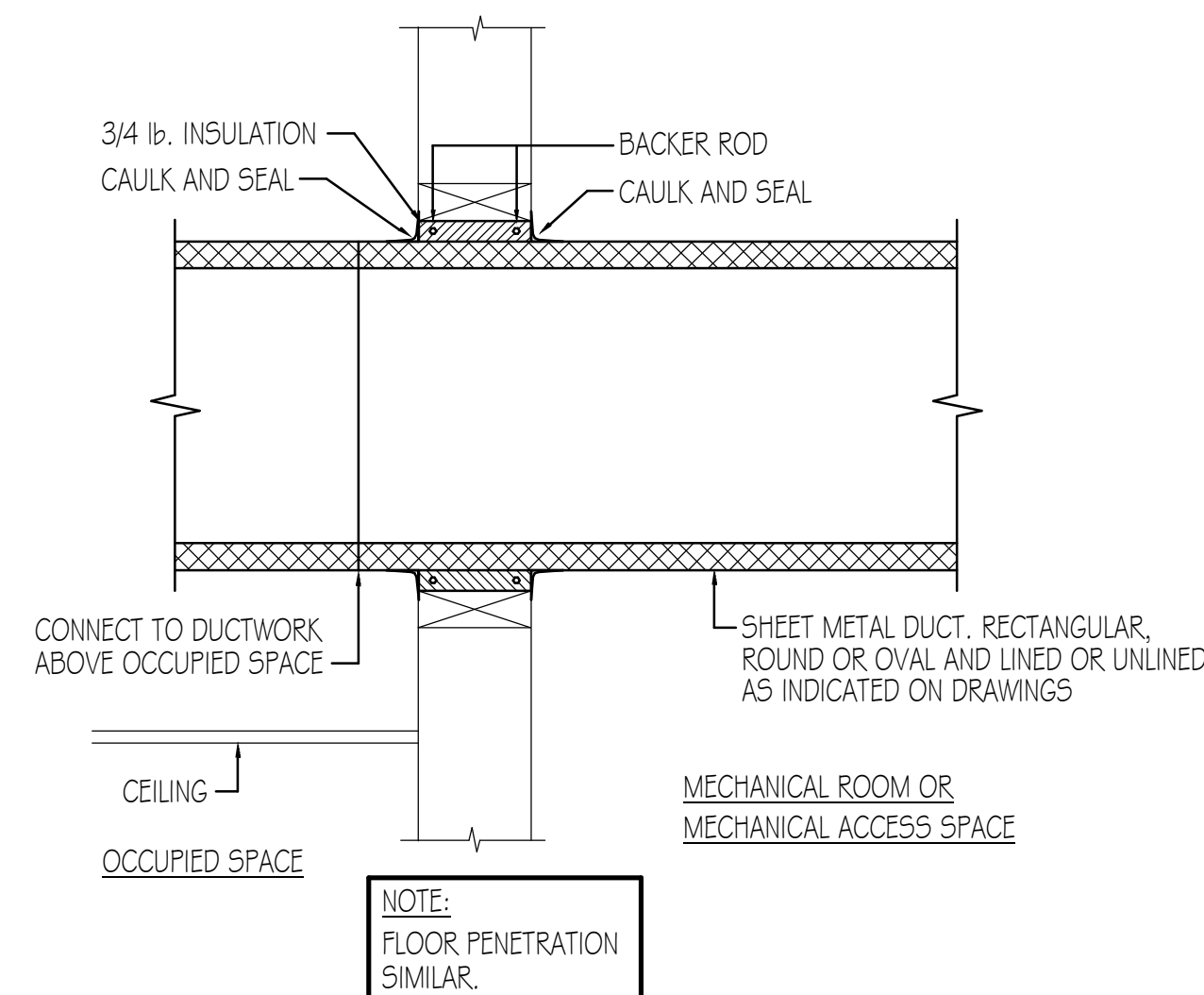
**9 DUCT STRAP HANGER DETAIL**

MHS01 SCALE: NONE



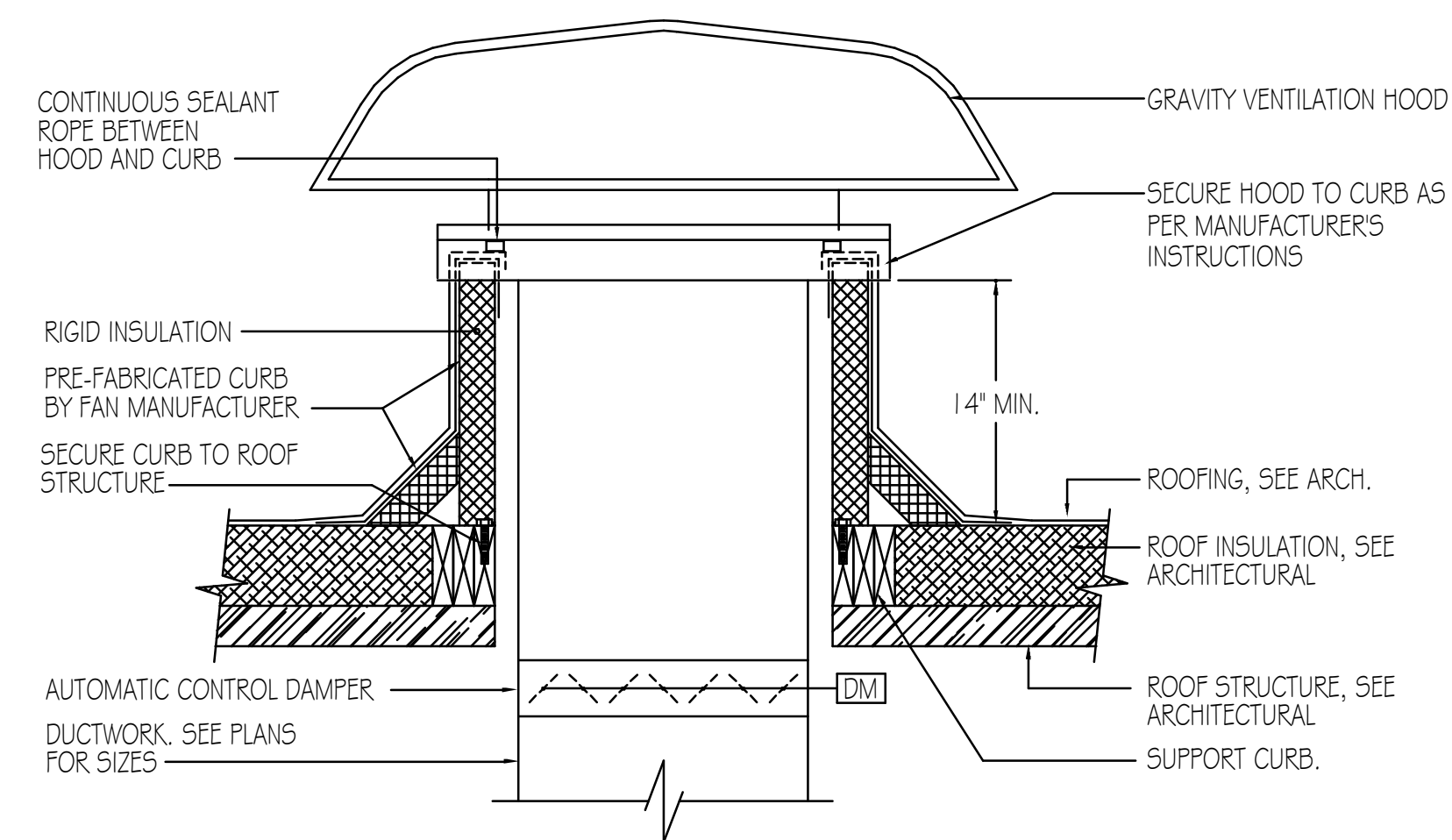
**10 ROUND DUCT HANGER DETAIL**

MHS01 SCALE: NONE



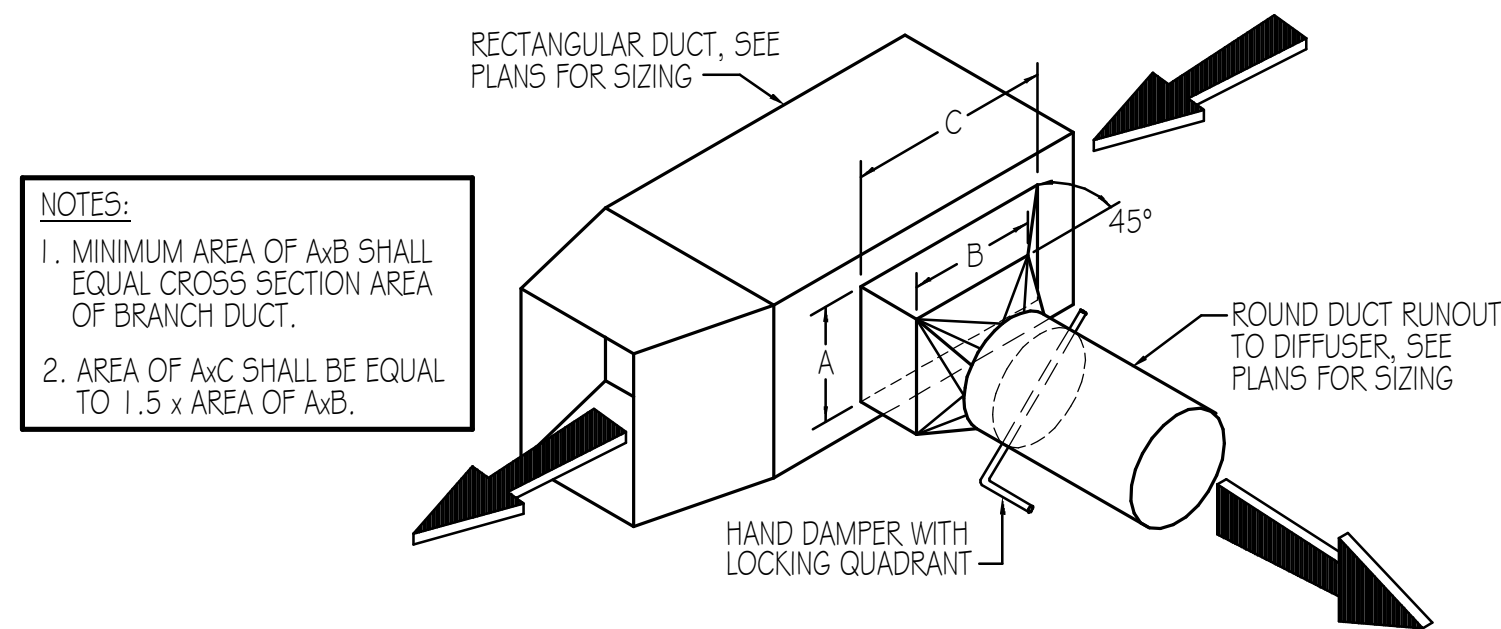
**11 WALL PENETRATION FOR SOUND CONTROL DETAIL**

MHS01 SCALE: NONE



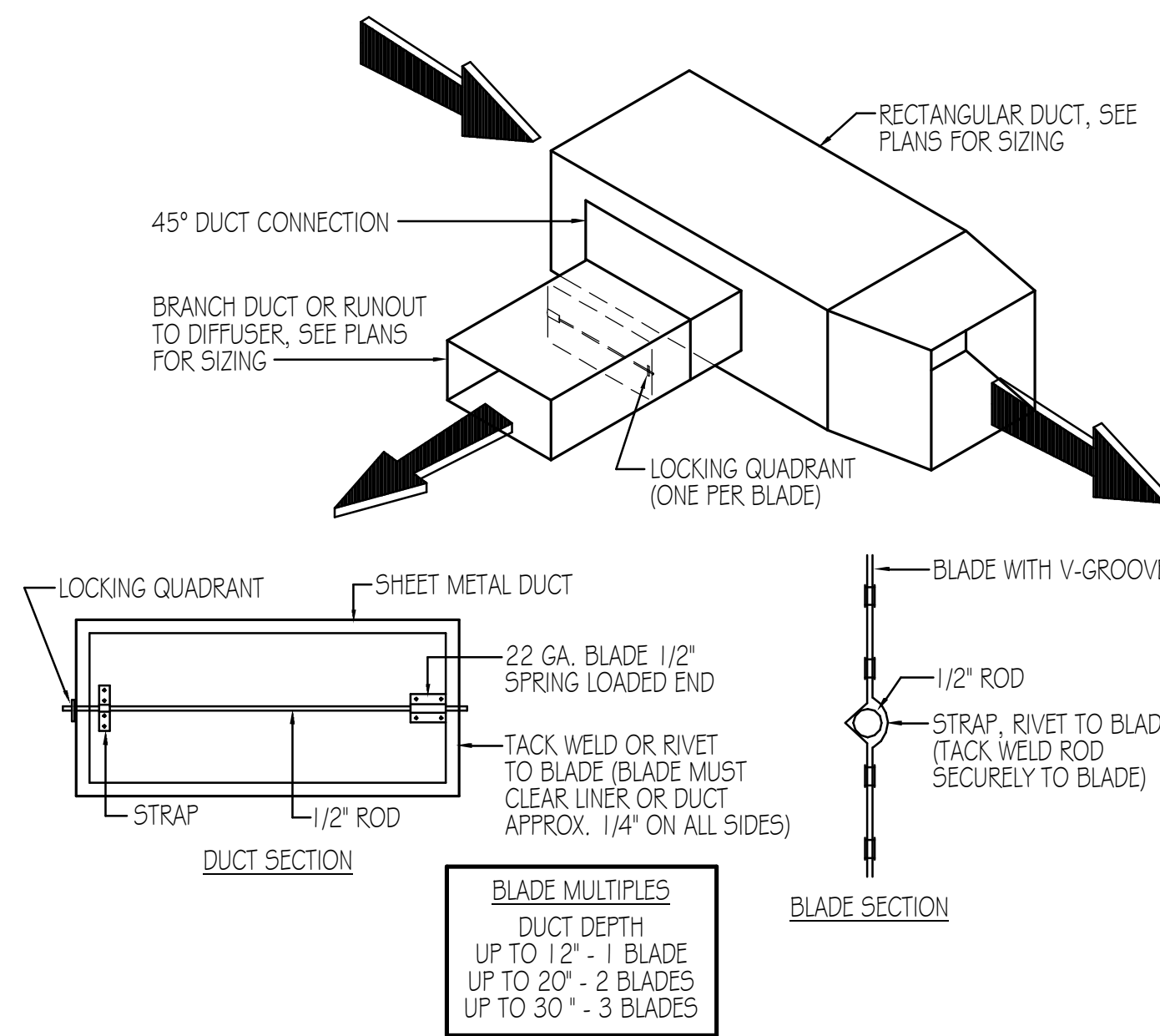
**12 VENTILATION HOOD AND CURB DETAIL**

MHS01 SCALE: NONE



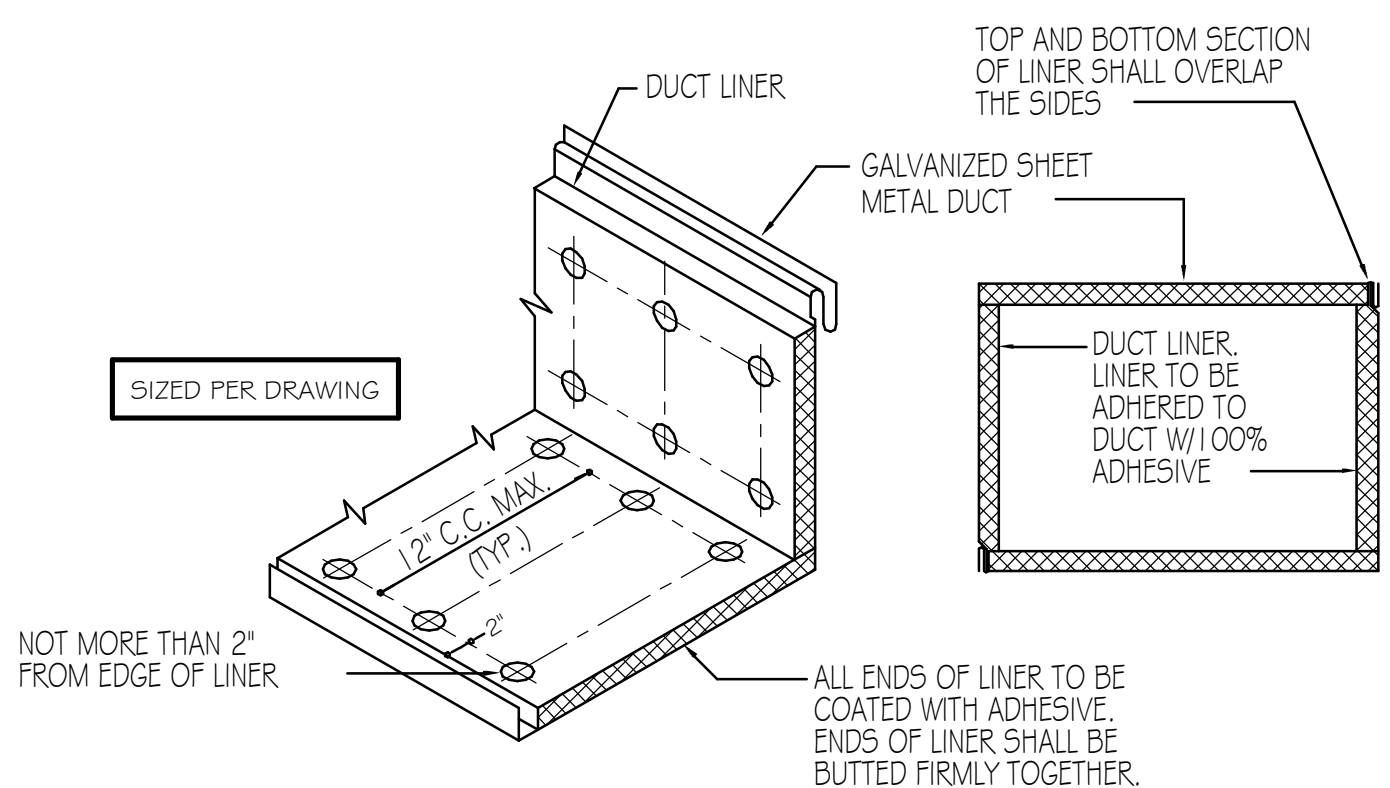
**4 DUCT CONNECTION DETAIL**

MHS01 SCALE: NONE



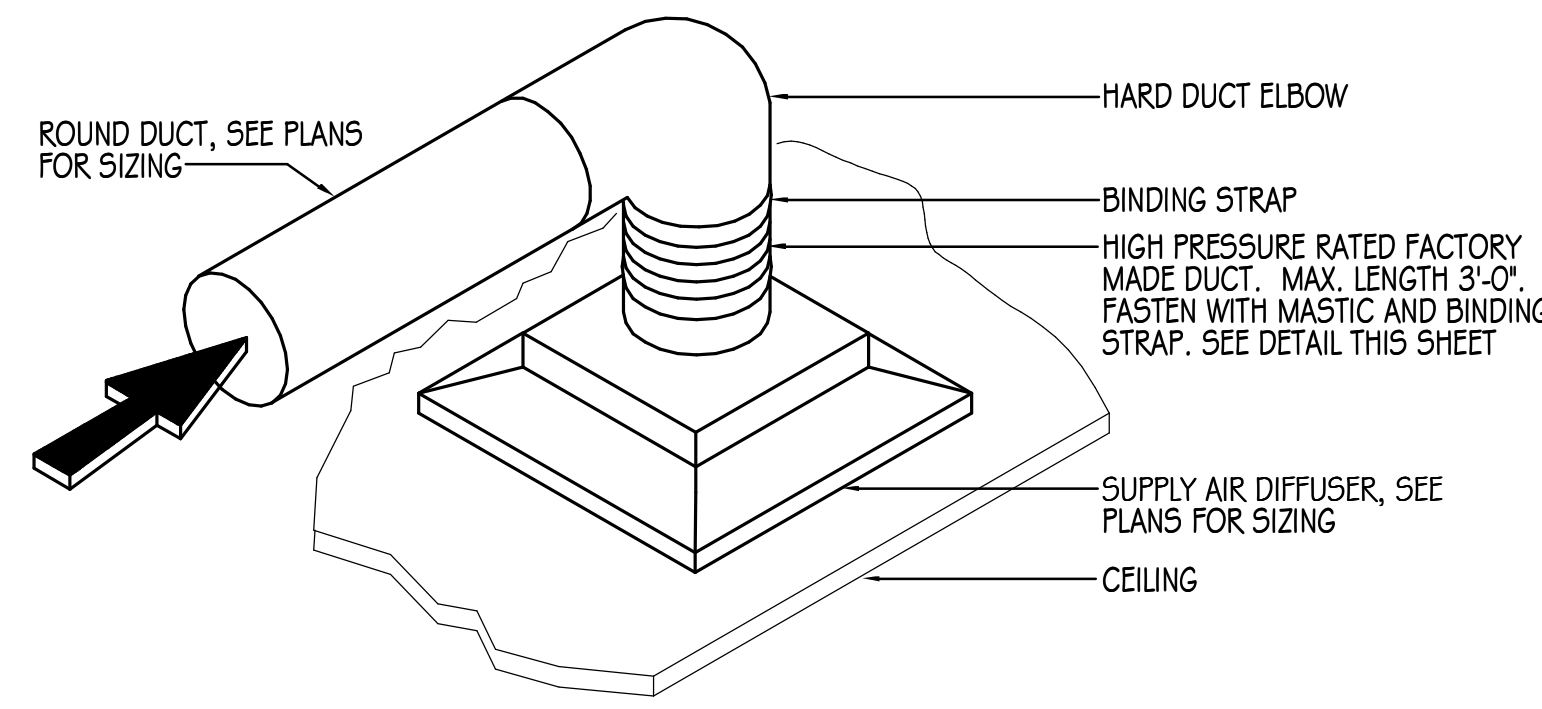
**5 BRANCH DUCT AND DAMPER DETAIL**

MHS01 SCALE: NONE



**6 DUCT LINER DETAIL**

MHS01 SCALE: NONE



**7 DUCT CONNECTION TO DIFFUSER DETAIL**

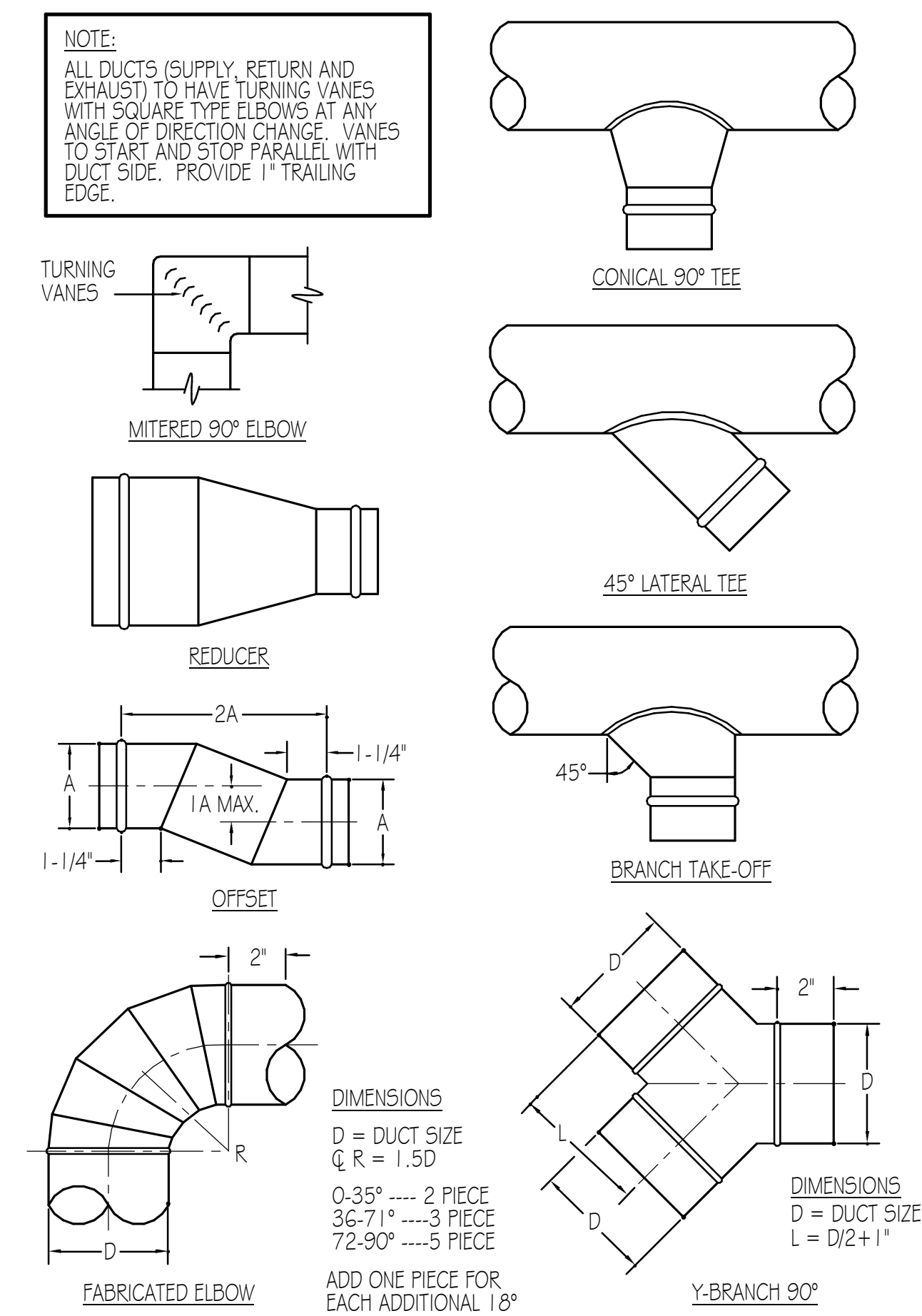
MHS01 SCALE: NONE

DIMENSION OF LONGEST SIDE (INCHES)	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS AND/OR INTERMEDIATE REINFORCING	* TRANSVERSE REINFORCING											
			AT JOINTS											
			DRIVE SLIP	PLAIN 5 SLIP	HEMMED 5 SLIP	ALT. BAR SLIP	REINFORCED BAR SLIP	BAR SLIP	STD. SEAM	ANGLE REINFORCED STD. SEAM	POCKET LOCK	ANGLE REINFORCED POCKET LOCK		
RECOMMENDED GAGE	RECOMMENDED GAGE	RECOMMENDED GAGE	RECOMMENDED GAGE	RECOMMENDED GAGE	REINFORCED ANGLE SIZE	REINFORCED ANGLE SIZE	REINFORCED ANGLE SIZE	RECOMMENDED GAGE	REINFORCED ANGLE SIZE					
UP THRU 12	24	NONE REQUIRED	1"	26	26	24	24	24	24	24	NOT REQUIRED	NOT REQUIRED	24	NOT REQUIRED
13-18	24	NONE REQUIRED	1"	24	24	24	24	24	24	24	NOT REQUIRED	NOT REQUIRED	24	NOT REQUIRED
19-30	24	1 x 1 x 1/8 @ 60°	1"	-	24	24	24	24	24	24	NOT REQUIRED	NOT REQUIRED	24	NOT REQUIRED
31-42	22	1 x 1 x 1/8 @ 60°	1"	-	-	22	22	22	22	22	NOT REQUIRED	NOT REQUIRED	22	NOT REQUIRED
43-54	22	1-1/2 x 1-1/2 x 1/8 @ 60°	1-1/2"	-	-	22	22	22	22	22	1-1/2 x 1-1/2 x 1/8	NOT REQUIRED	22	NOT REQUIRED
55-60	20	1-1/2 x 1-1/2 x 1/8 @ 60°	1-1/2"	-	-	22	22	22	22	22	1-1/2 x 1-1/2 x 1/8	NOT REQUIRED	22	NOT REQUIRED
61-84	20	1-1/2 x 1-1/2 x 1/8 @ 60°	1-1/2"	-	-	22	22	22	22	22	1-1/2 x 1-1/2 x 1/8	1-1/2 x 1-1/2 x 1/8	22	1-1/2 x 1-1/2 x 1/8

\* TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

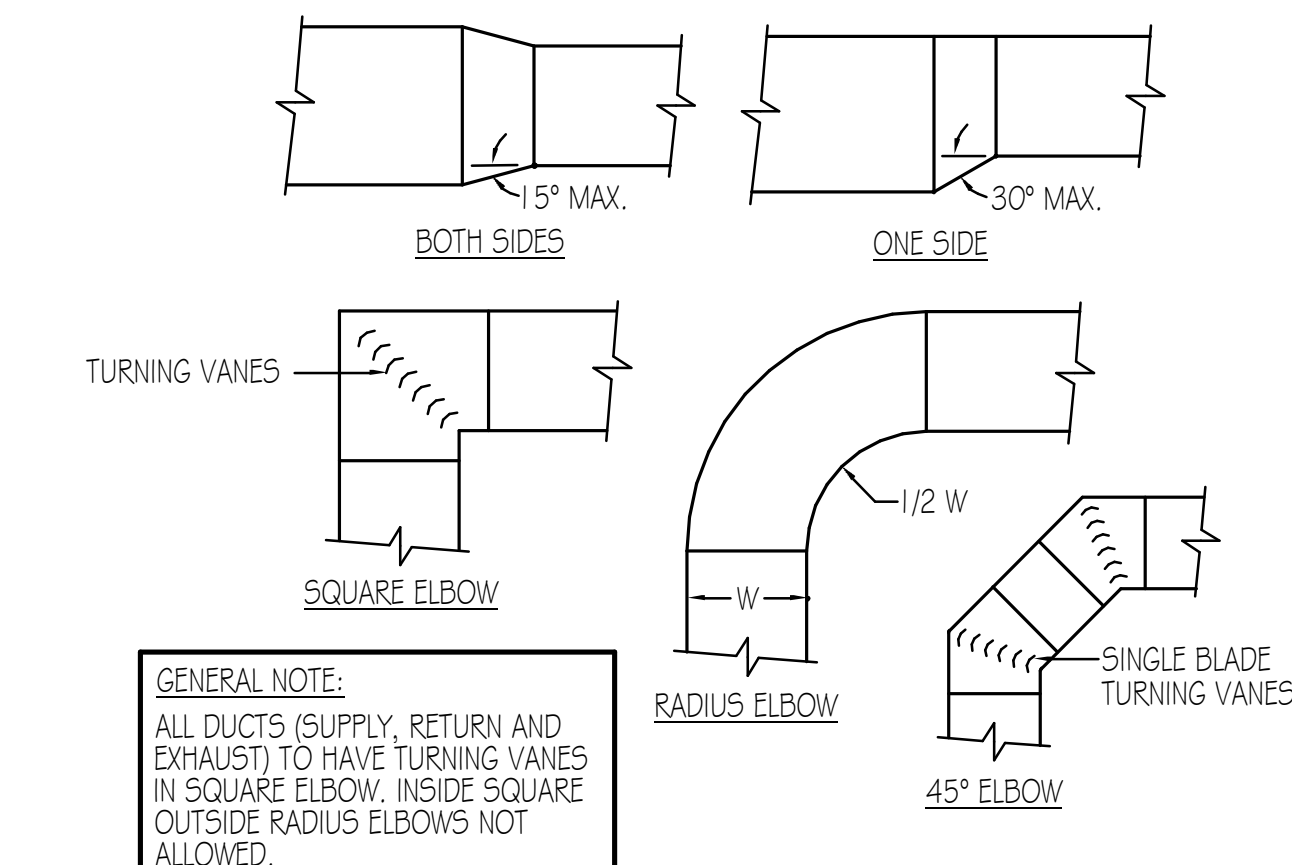
**1 DUCT CONSTRUCTION DETAIL**

MHS01 SCALE: NONE



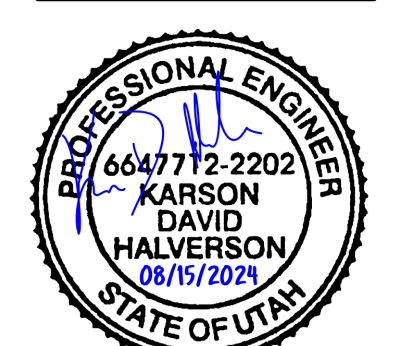
**2 MEDIUM VELOCITY DUCT FITTINGS DETAIL**

MHS01 SCALE: NONE



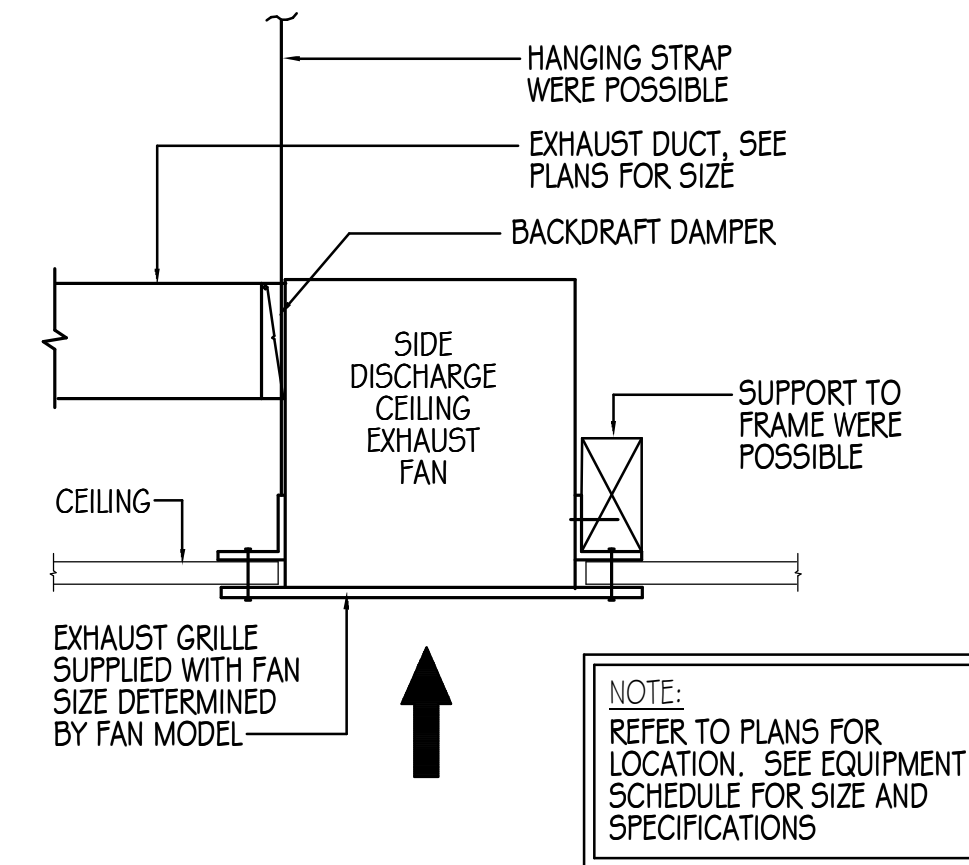
**3 RECTANGULAR DUCT FITTINGS DETAIL**

MHS01 SCALE: NONE



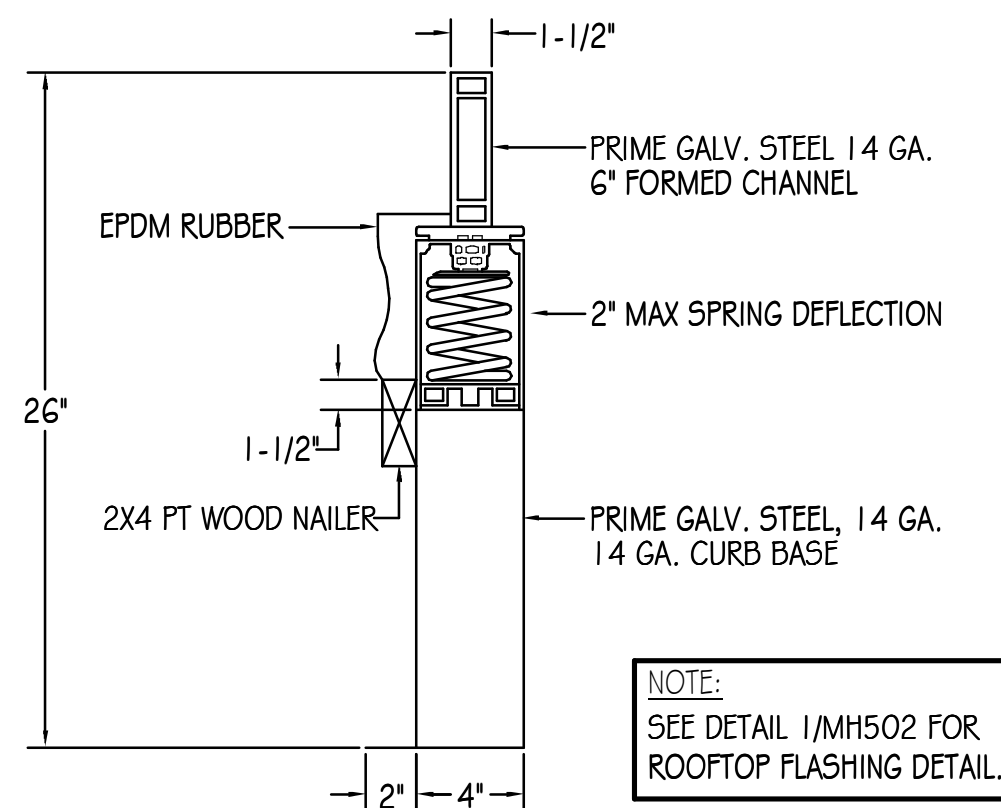
DATE REVISION

PROJECT NUMBER 24003



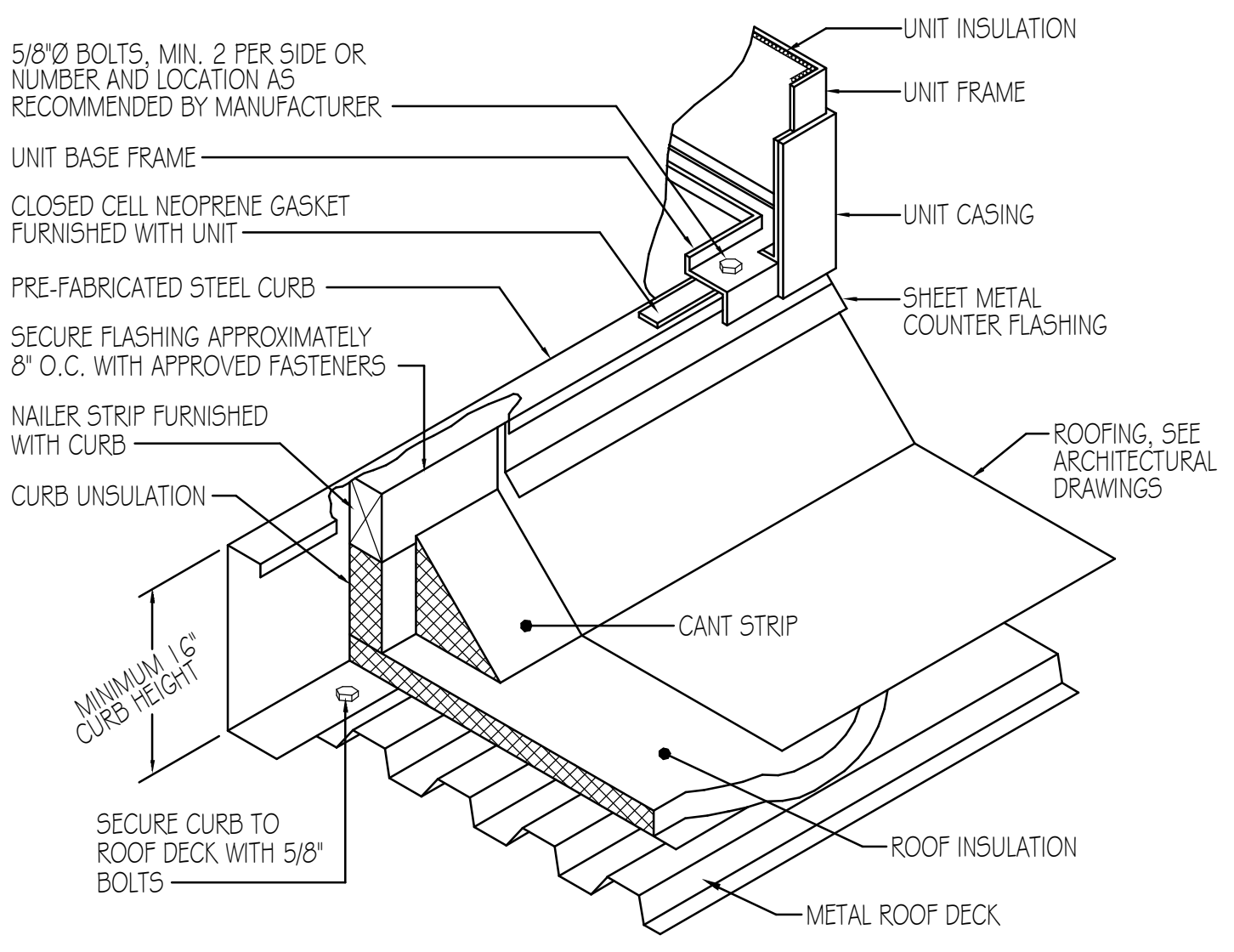
**8 CEILING EXHAUST FAN DETAIL**  
MH502 SCALE: NONE

NOTE:  
REFER TO PLANS FOR LOCATION. SEE EQUIPMENT SCHEDULE FOR SIZE AND SPECIFICATIONS

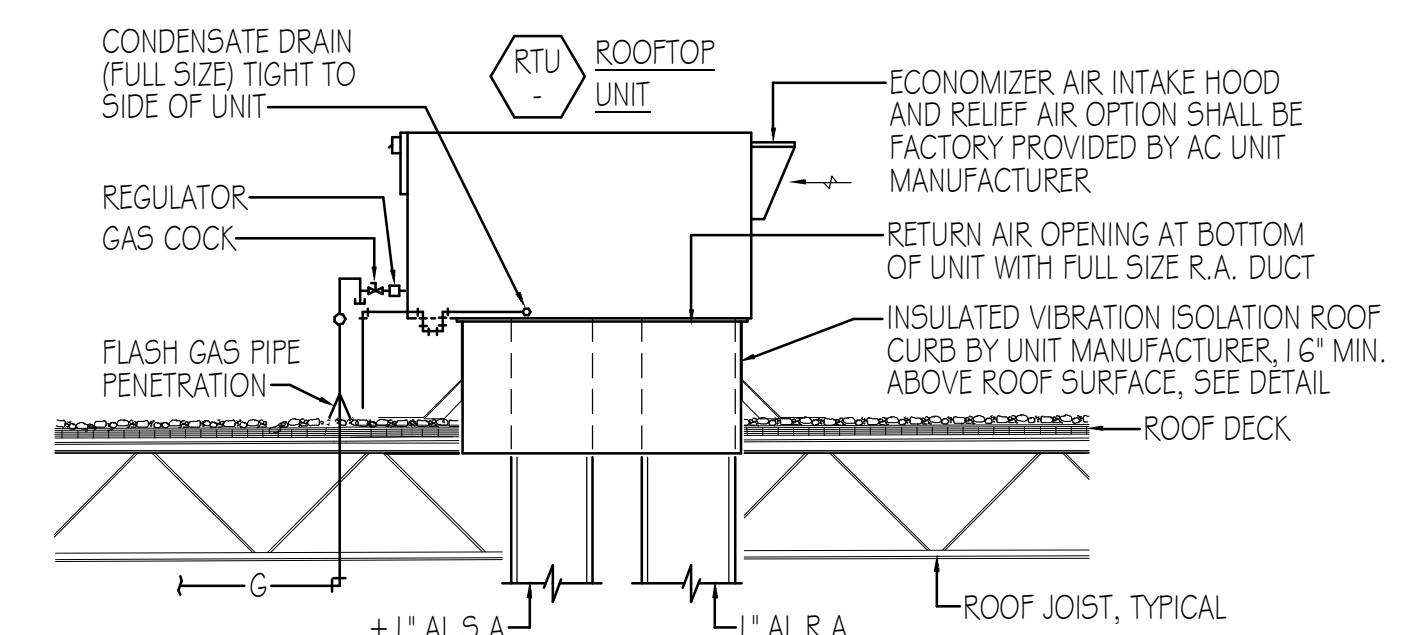


**4 VIBRATION ISOLATION CURB SECTION DETAIL**  
MH502 SCALE: NONE

NOTE:  
SEE DETAIL 1/MH502 FOR ROOFTOP FLASHING DETAIL.

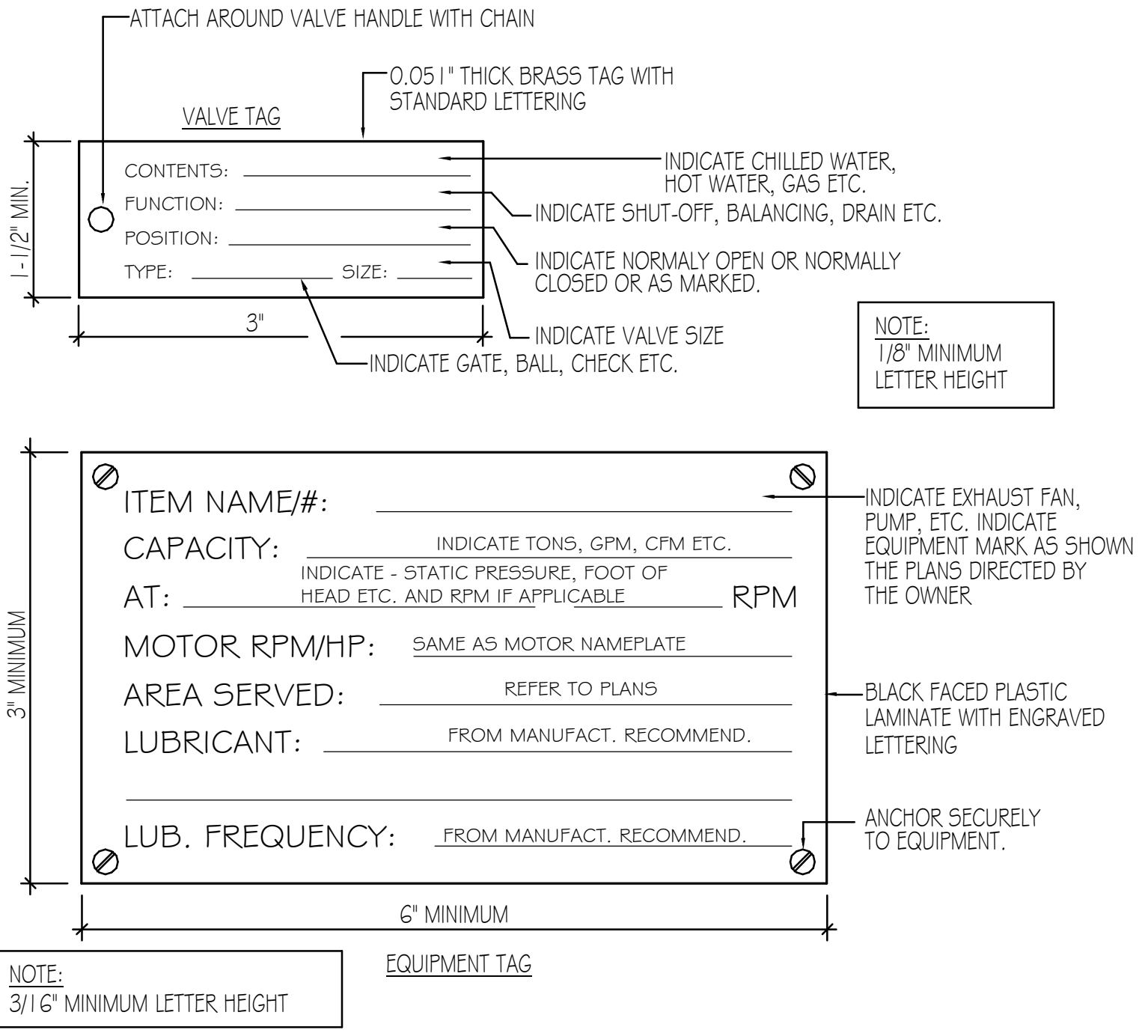


**1 ROOFTOP EQUIPMENT FLASHING DETAIL**  
MH502 SCALE: NONE

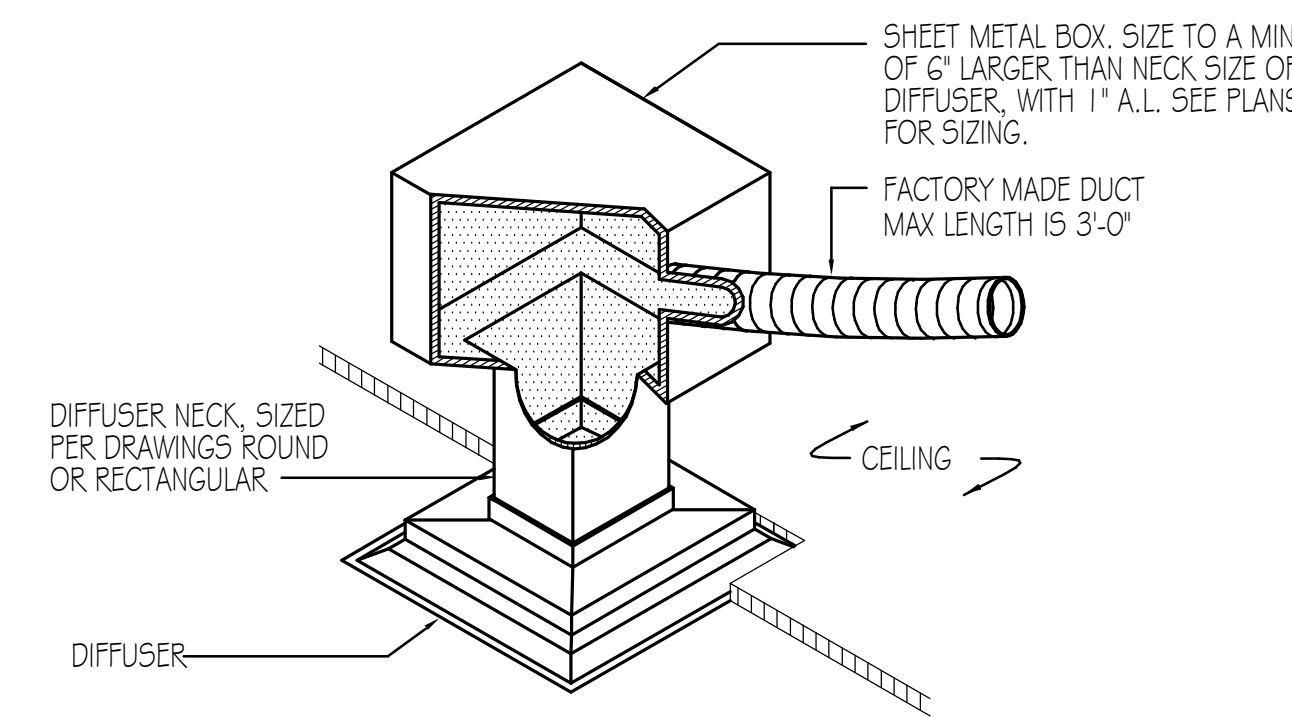


**2 PACKAGED ROOFTOP A/C UNIT DETAIL**  
MH502 SCALE: NONE

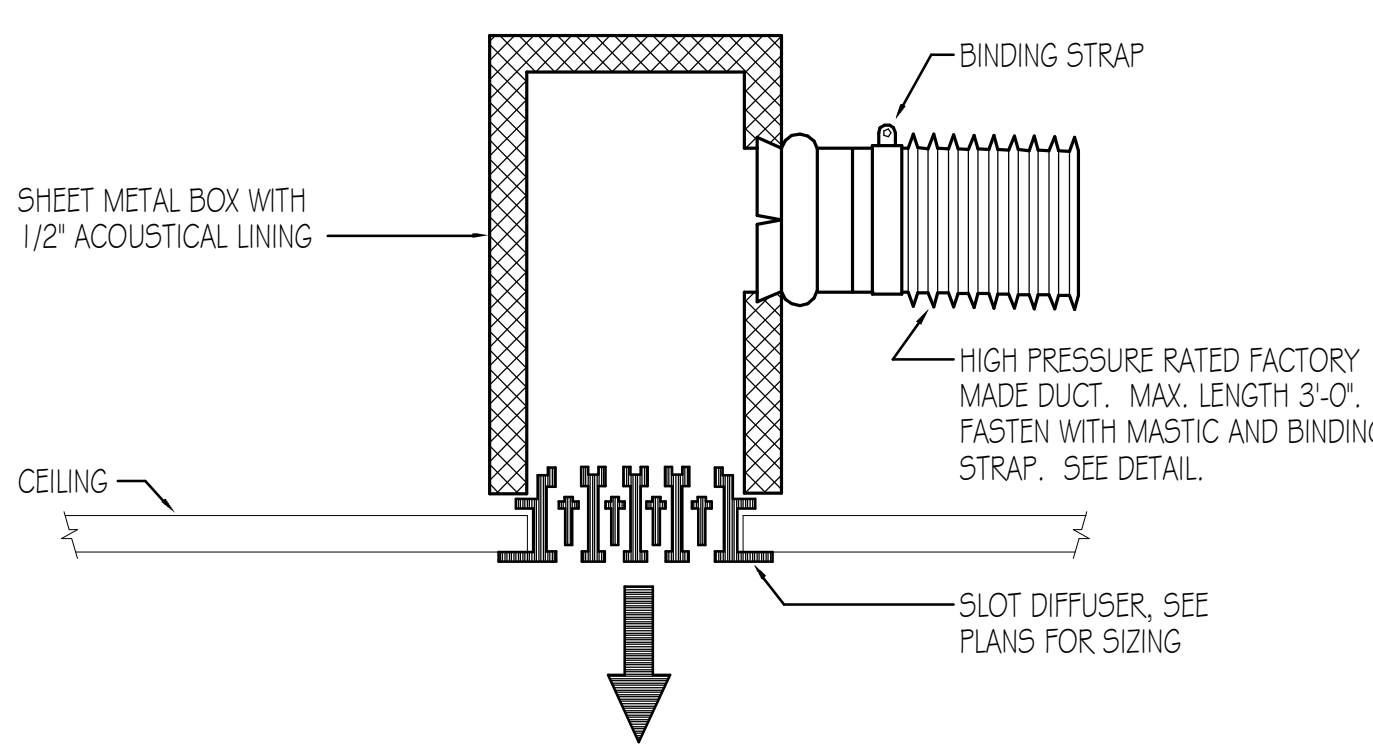
NOTE:  
SECTION INDICATES TYPICAL AC UNITS ACTUAL DUCT CONNECTION BETWEEN UNIT AND SUPPLY DUCT SHALL BE BASED ON ACTUAL AC UNIT OPENING SIZE AND CONFIGURATION.



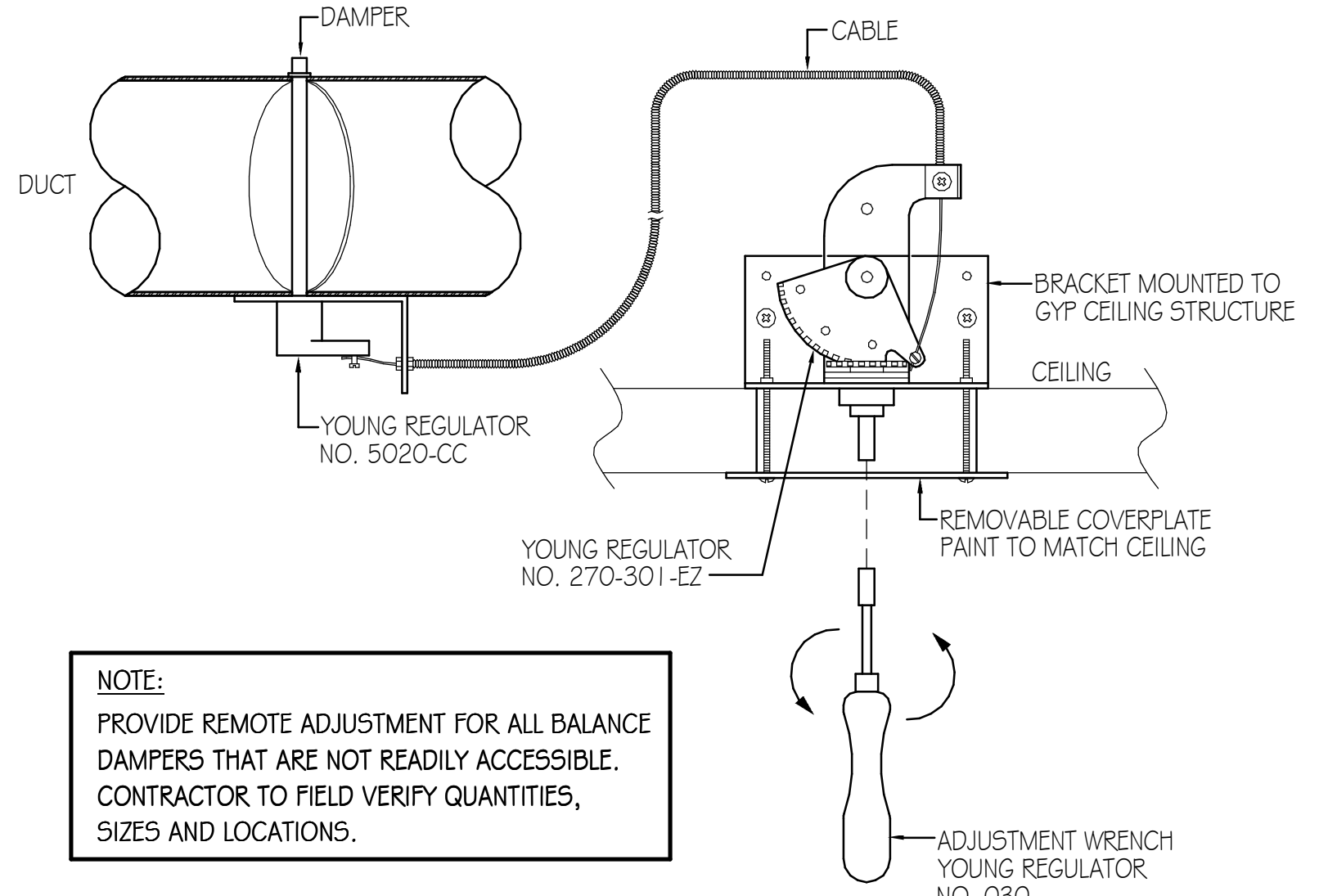
**5 IDENTIFICATION TAG DETAIL**  
MH502 SCALE: NONE



**6 ACOUSTICAL LINED BOX DETAIL**  
MH502 SCALE: NONE

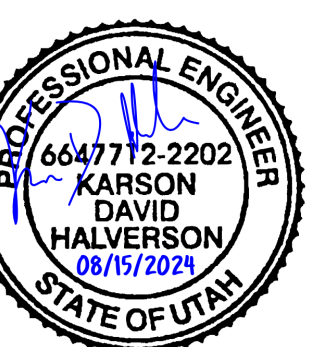


**7 SLOT DIFFUSER DETAIL**  
MH502 SCALE: NONE



NOTE:  
PROVIDE REMOTE ADJUSTMENT FOR ALL BALANCE DAMPERS THAT ARE NOT READILY ACCESSIBLE. CONTRACTOR TO FIELD VERIFY QUANTITIES, SIZES AND LOCATIONS.

**3 REMOTE DAMPER ADJUSTMENT DETAIL**  
MH502 SCALE: NONE



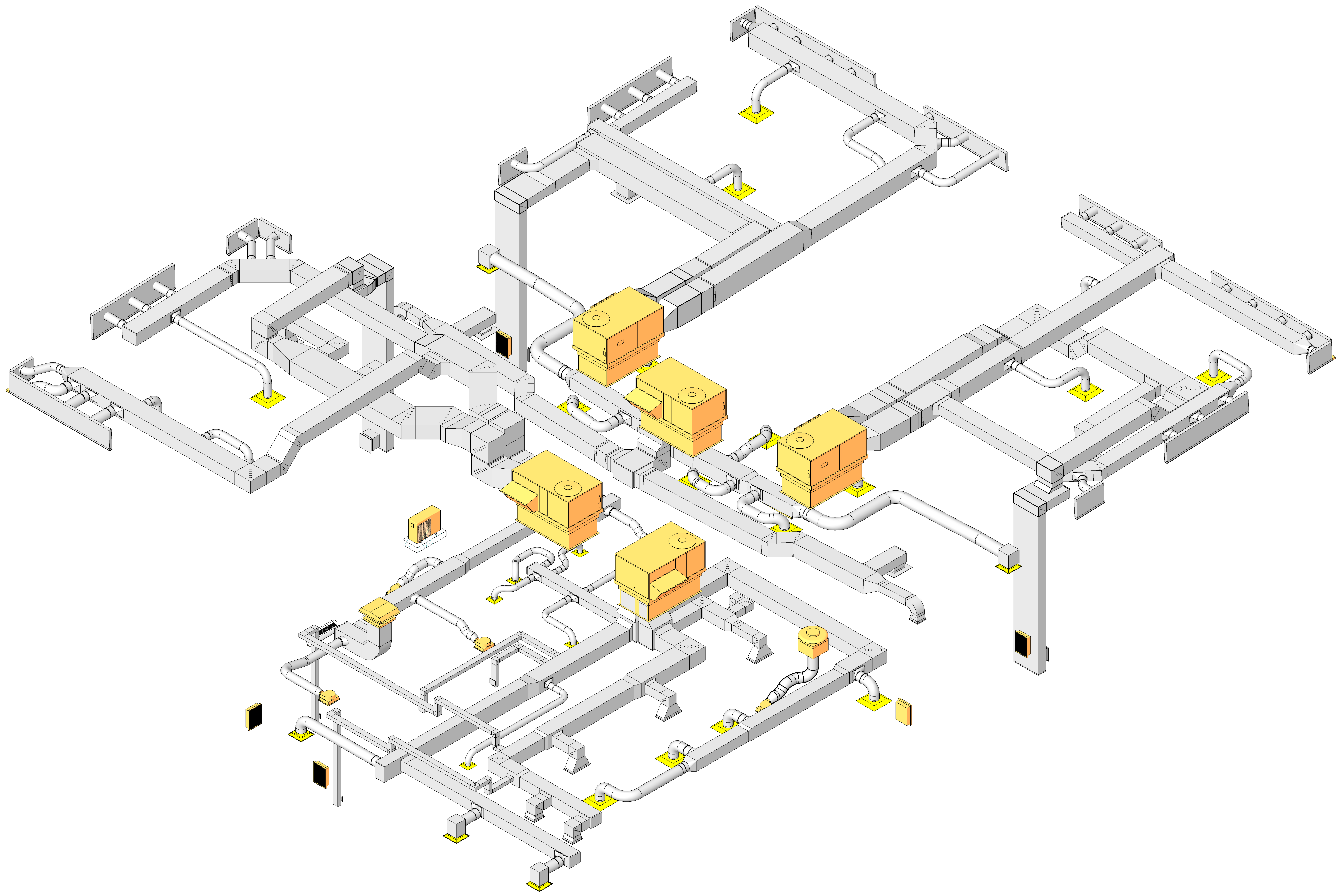
DATE REVISION

PROJECT NUMBER 24003

**MECHANICAL**  
DETAILS

MH502

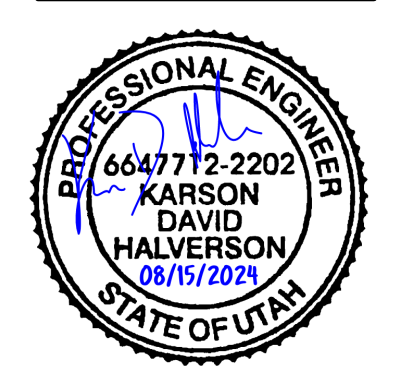
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**MECHANICAL DIAGRAM**  
 MH601 SCALE: NONE

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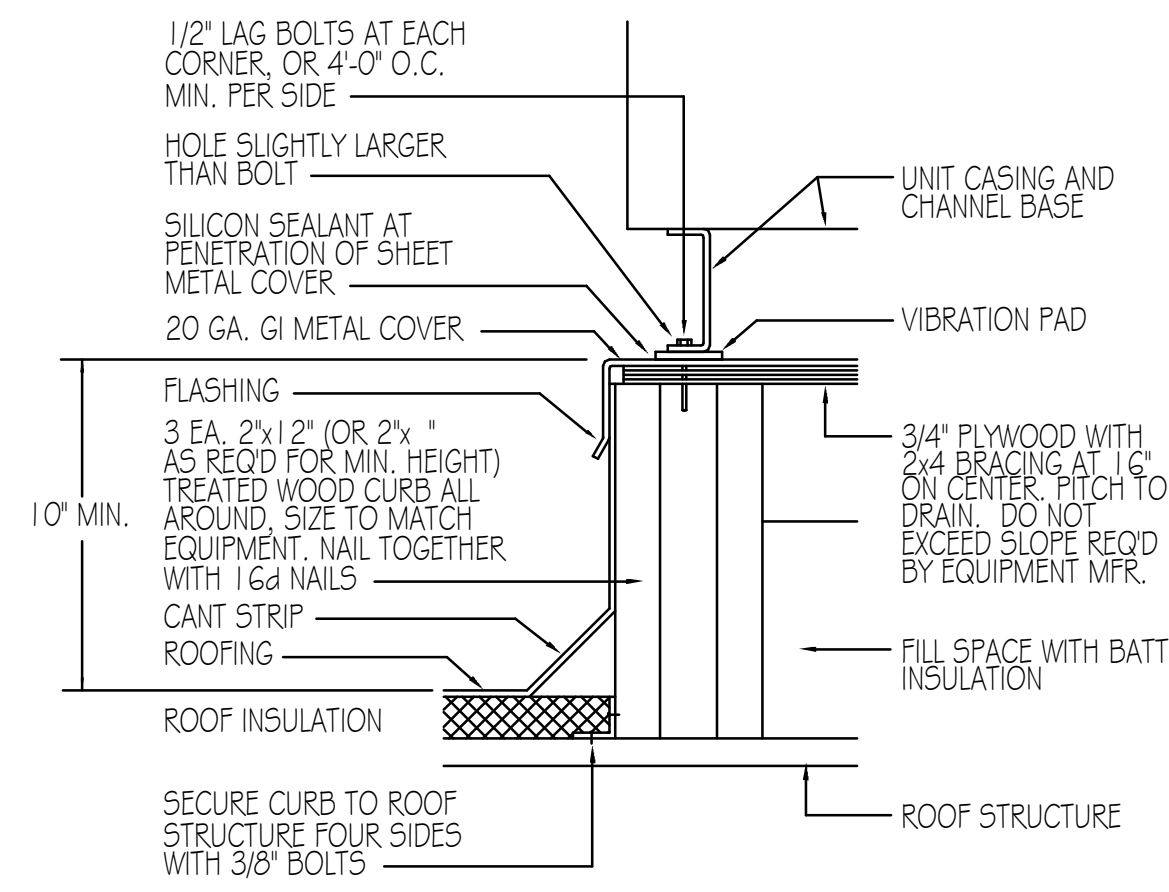


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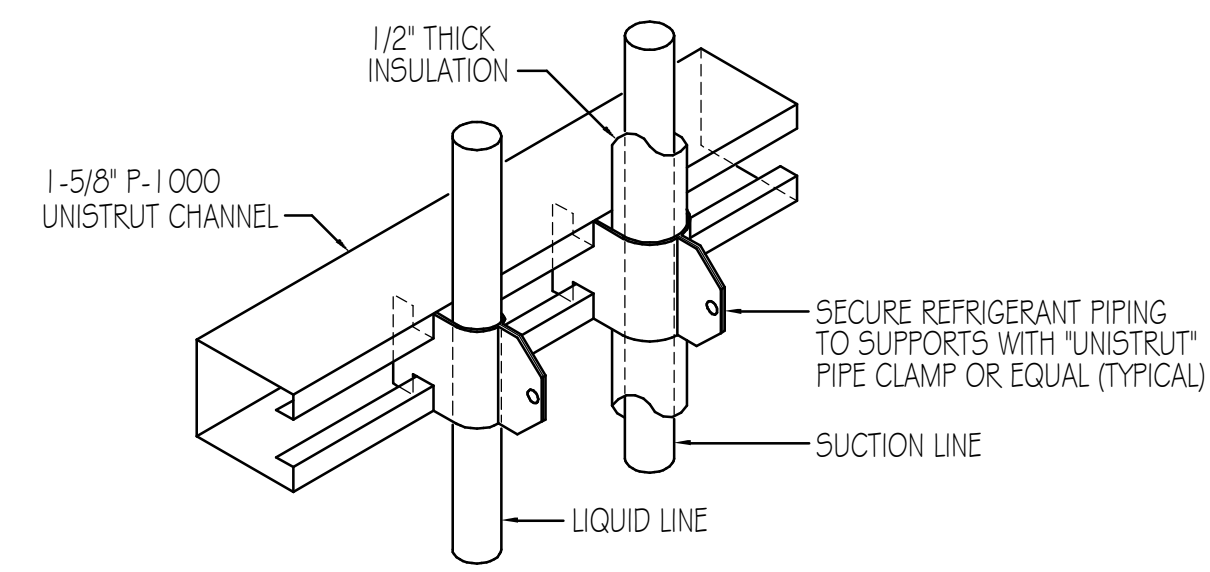
PROJECT NUMBER 24003

**MECHANICAL DIAGRAM**

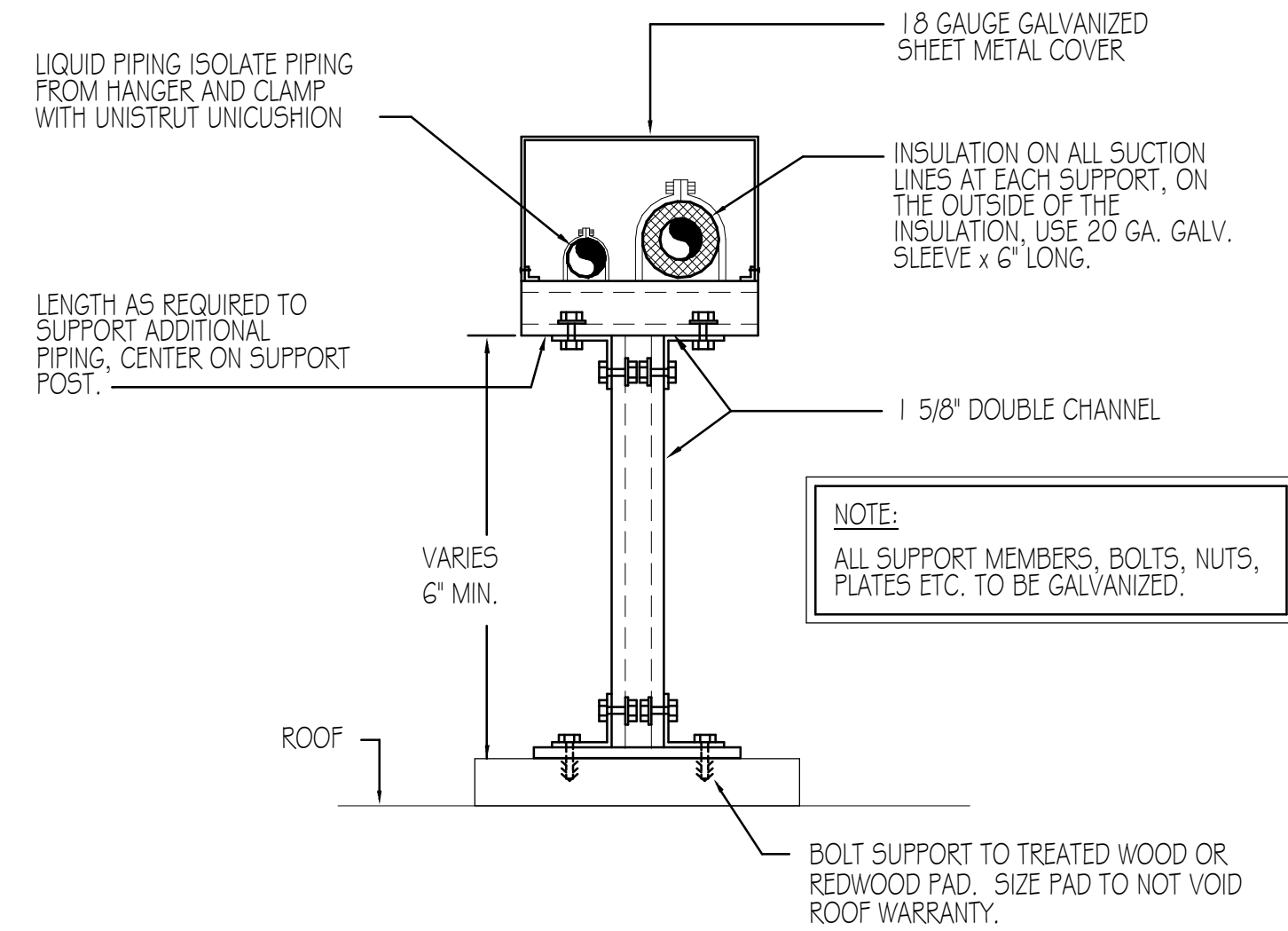
MH601



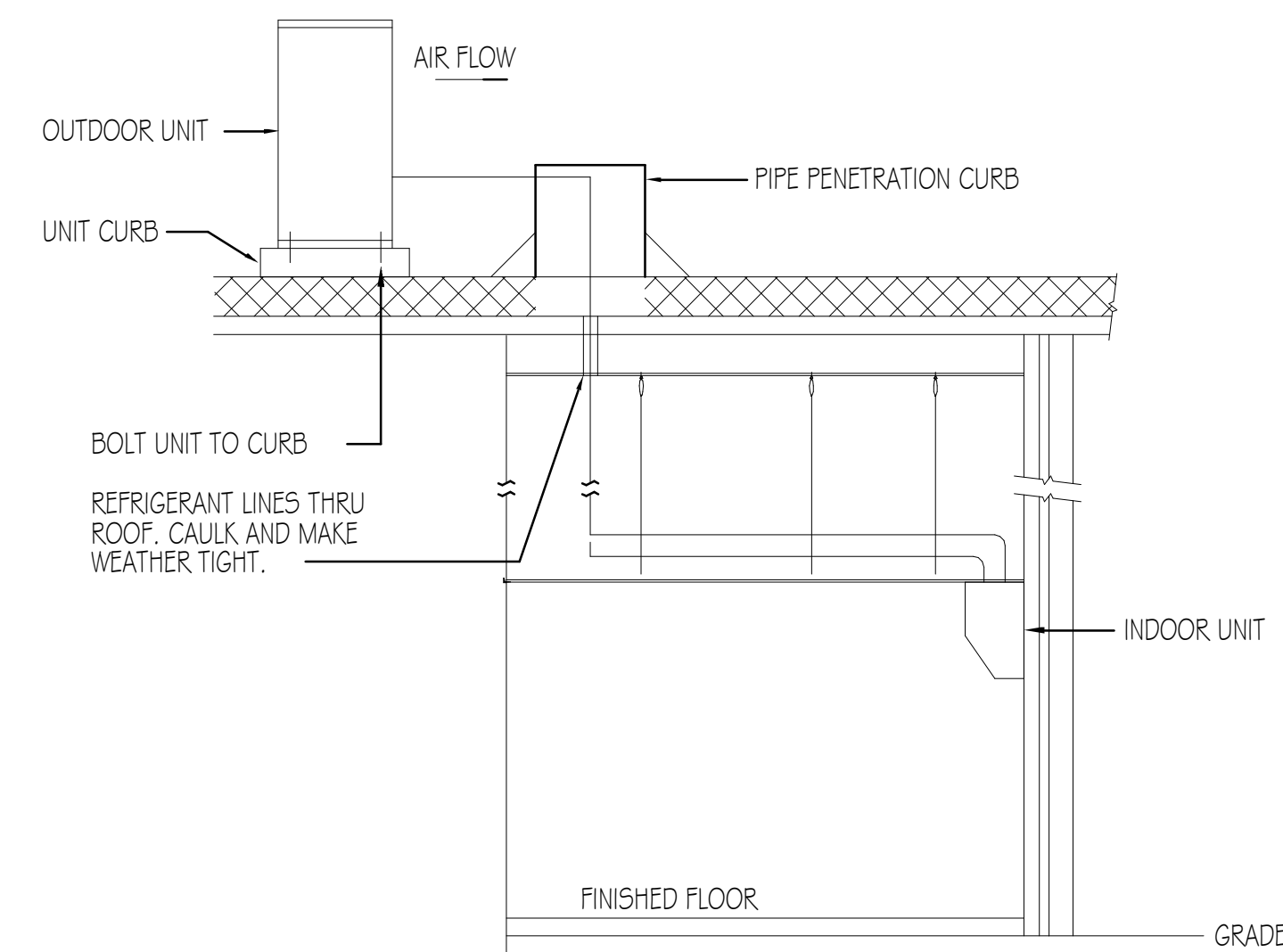
**8 UNIT CURB DETAIL**  
SCALE: NONE



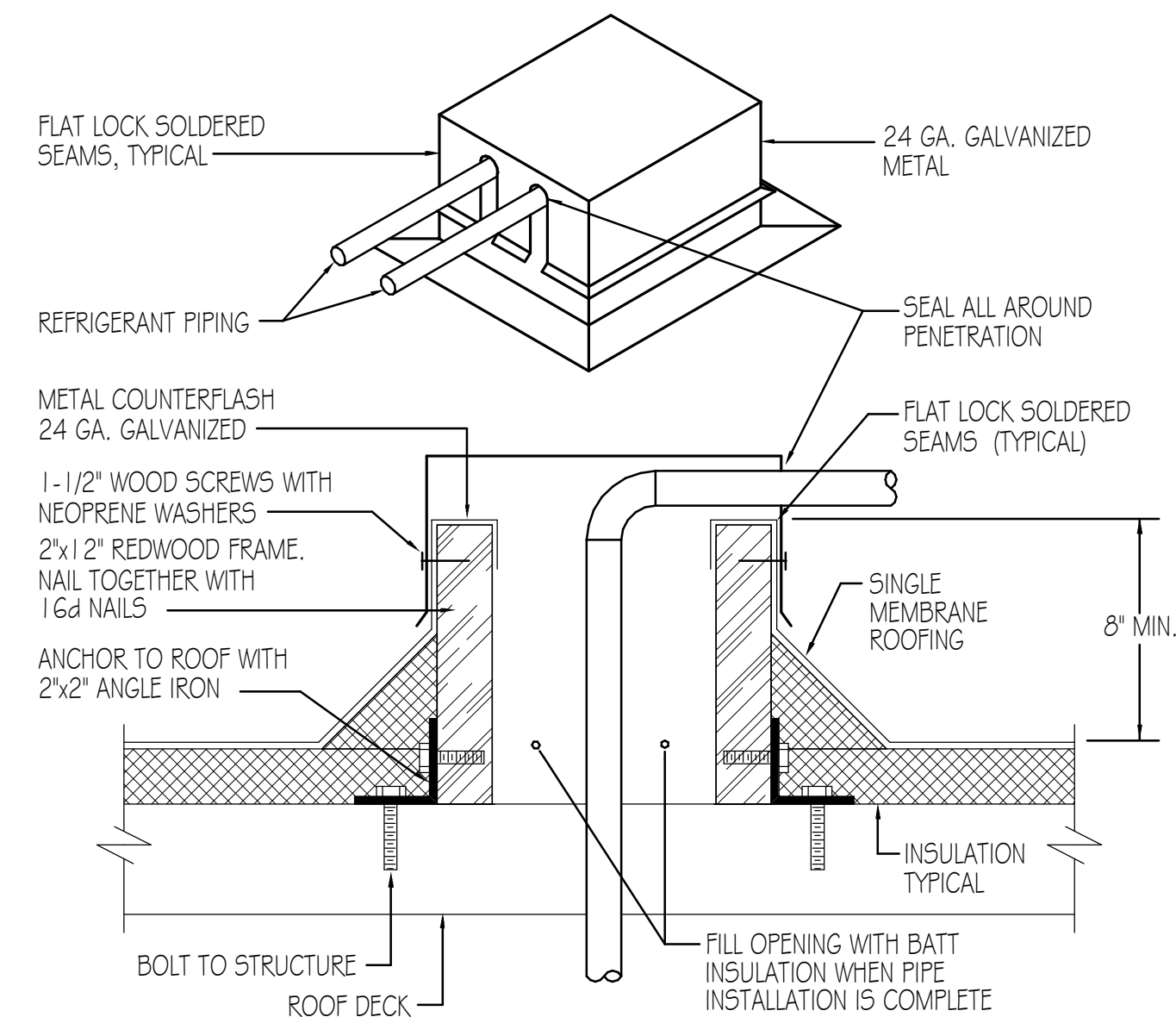
**4 REFRIGERANT PIPE VERTICAL SUPPORT DETAIL**  
SCALE: NONE



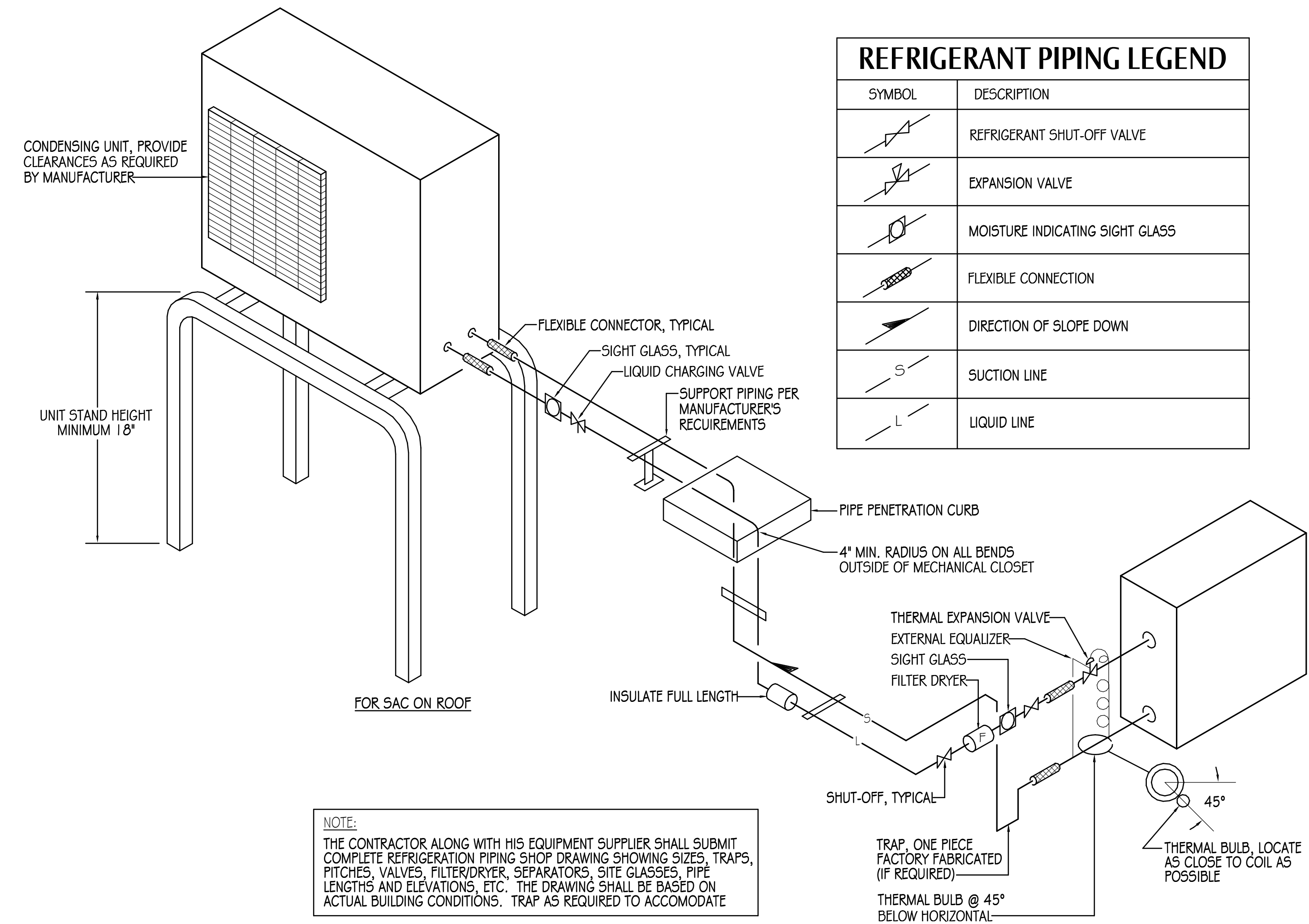
**5 REFRIGERANT PIPE SUPPORT ON ROOF DETAIL**  
SCALE: NONE



**6 SPLIT SYSTEM AC UNIT ON WALL DETAIL-CU ON ROOF**  
SCALE: NONE



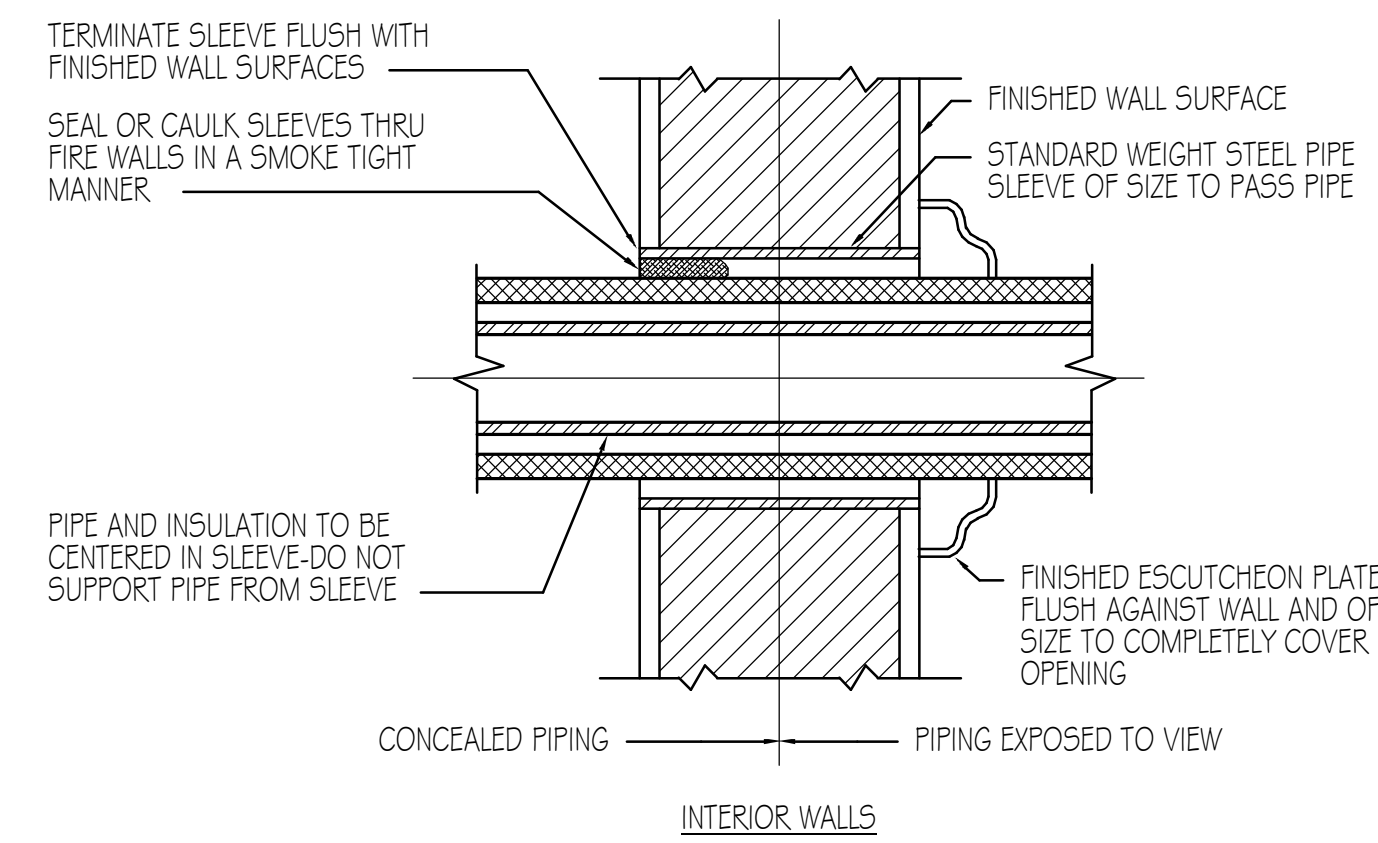
**7 PIPE ROOF PENETRATION CURB DETAIL**  
SCALE: NONE



REFRIGERANT PIPING LEGEND	
SYMBOL	DESCRIPTION
	REFRIGERANT SHUT-OFF VALVE
	EXPANSION VALVE
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
	DIRECTION OF SLOPE DOWN
	SUCTION LINE
	LIQUID LINE

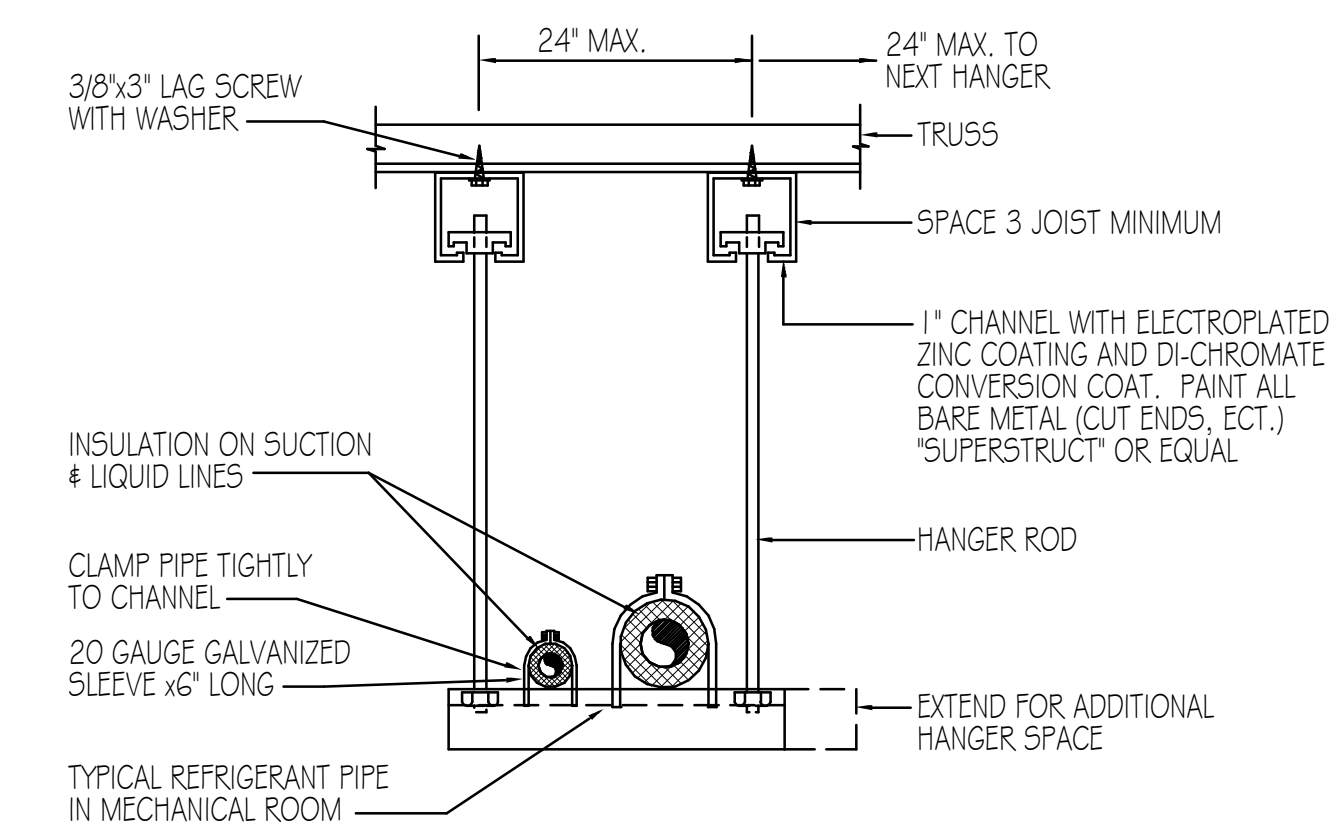
**NOTE:**  
THE CONTRACTOR ALONG WITH HIS EQUIPMENT SUPPLIER SHALL SUBMIT COMPLETE REFRIGERATION PIPING SHOP DRAWING SHOWING SIZES, TRAPS, PITCHES, VALVES, FILTER/DRYER, SEPARATORS, SIGHT GLASSES, PIPE LENGTHS AND ELEVATIONS, ETC. THE DRAWING SHALL BE BASED ON ACTUAL BUILDING CONDITIONS. TRAP AS REQUIRED TO ACCOMMODATE

**1 REFRIGERANT PIPING SCHEMATIC**  
SCALE: NONE



**NOTE:**  
FOR PENETRATIONS THROUGH SOUND WALLS, USE ASG ACOUSTICAL SEALANT.

**2 PIPING PENETRATION DETAIL**  
SCALE: NONE



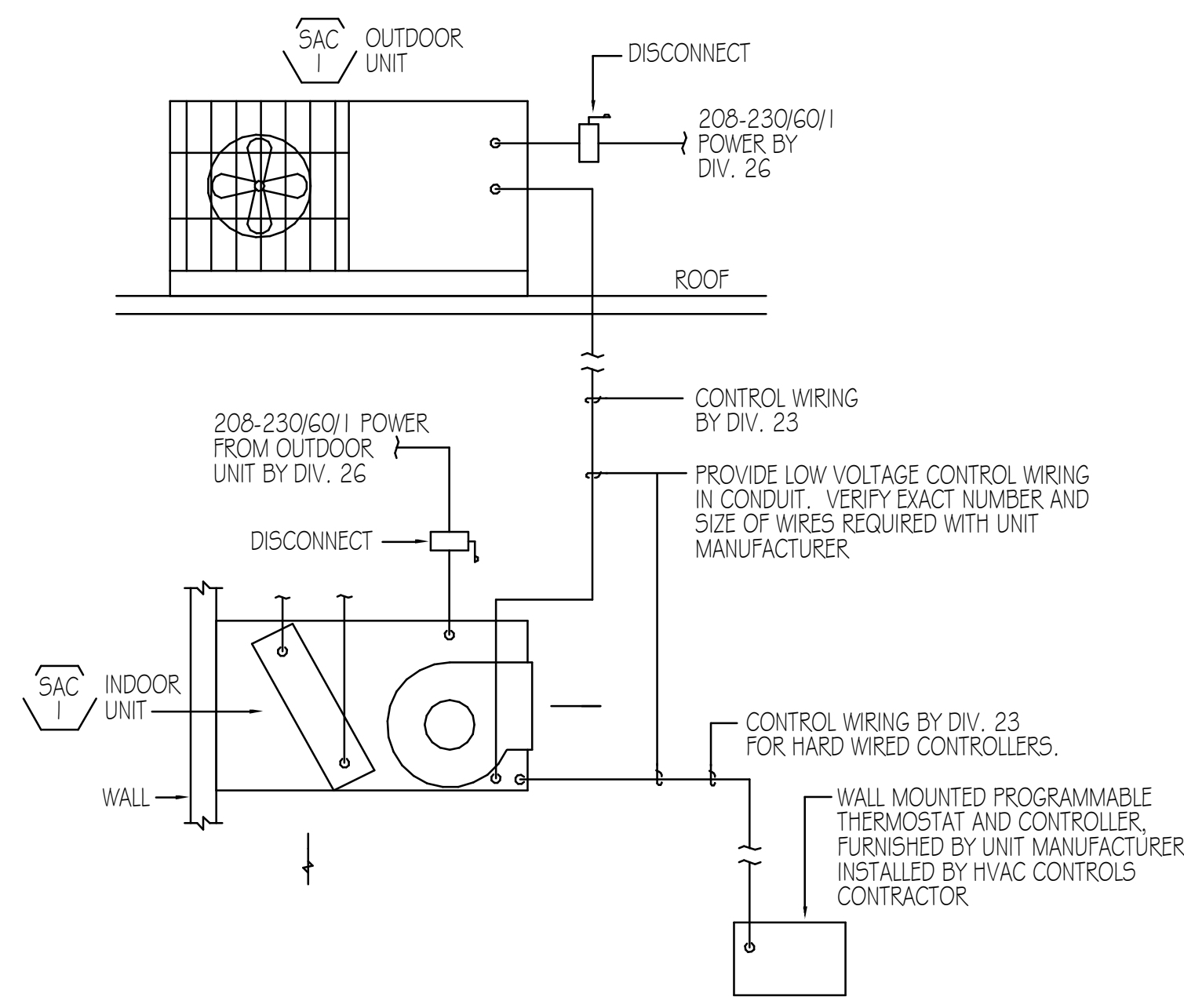
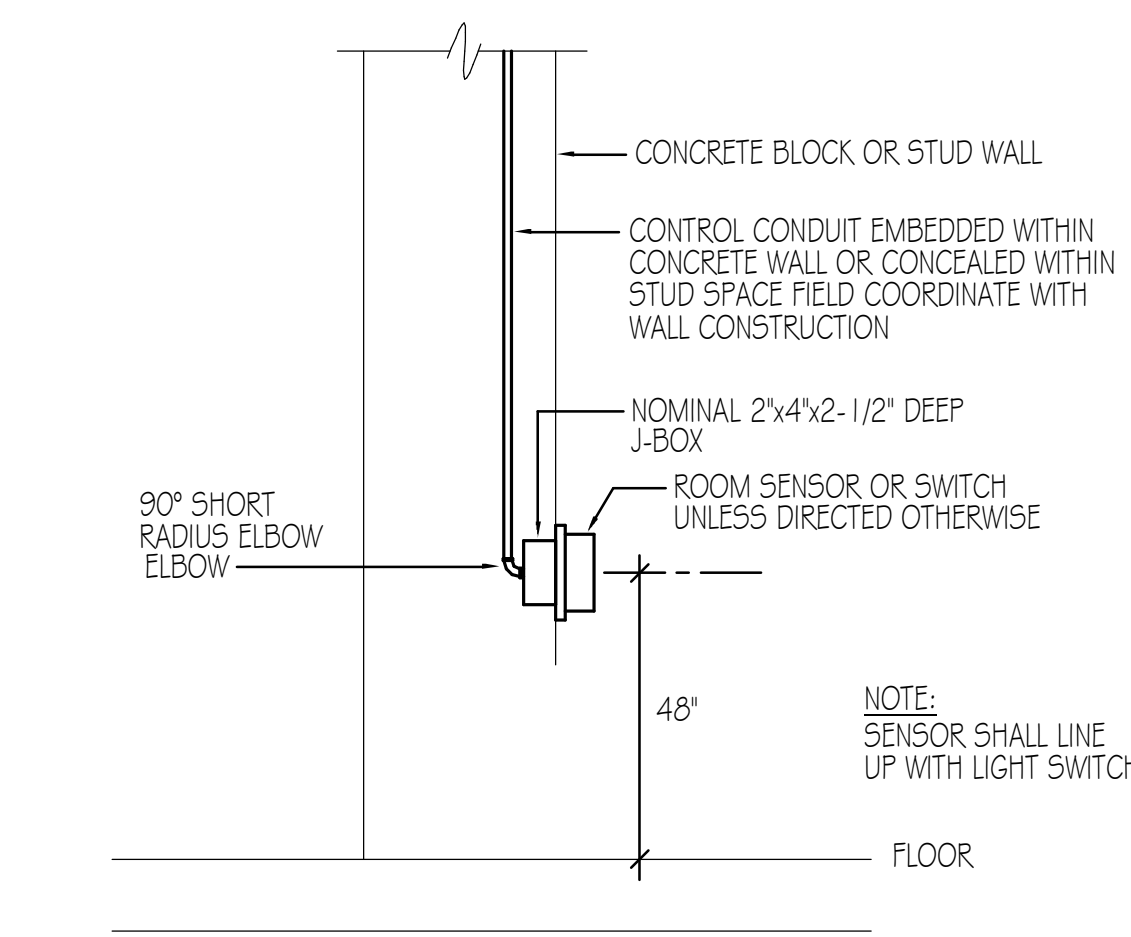
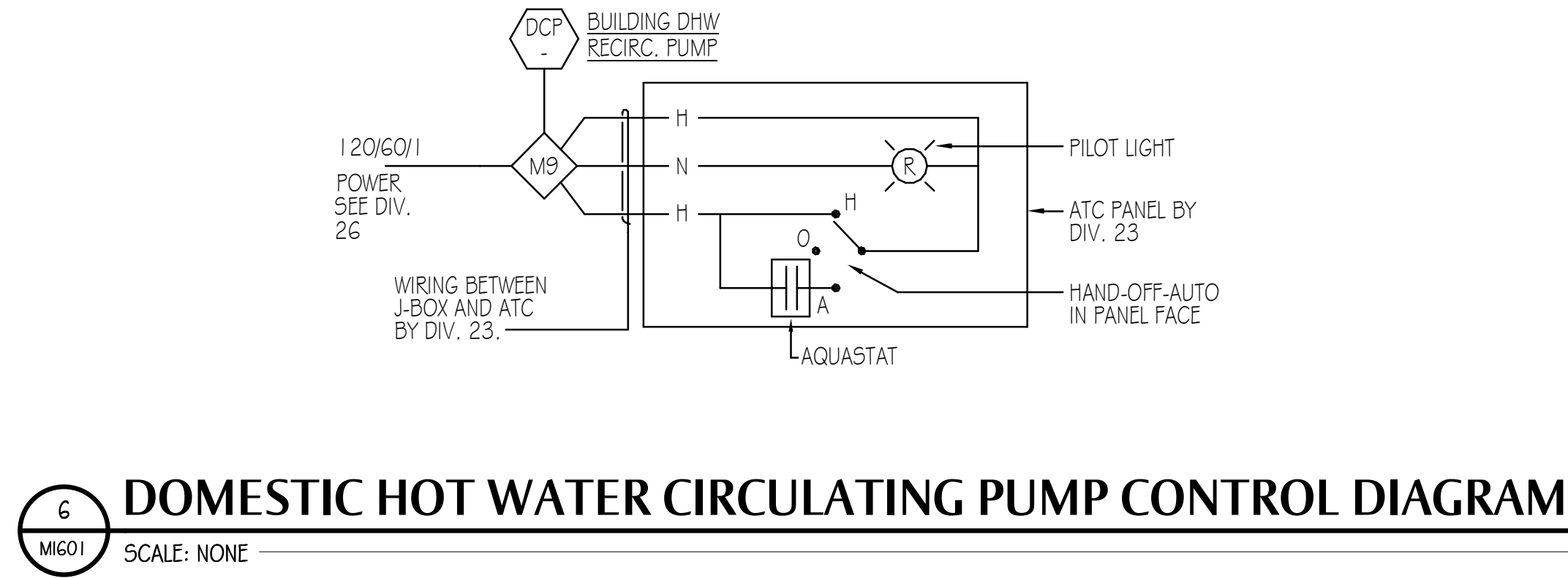
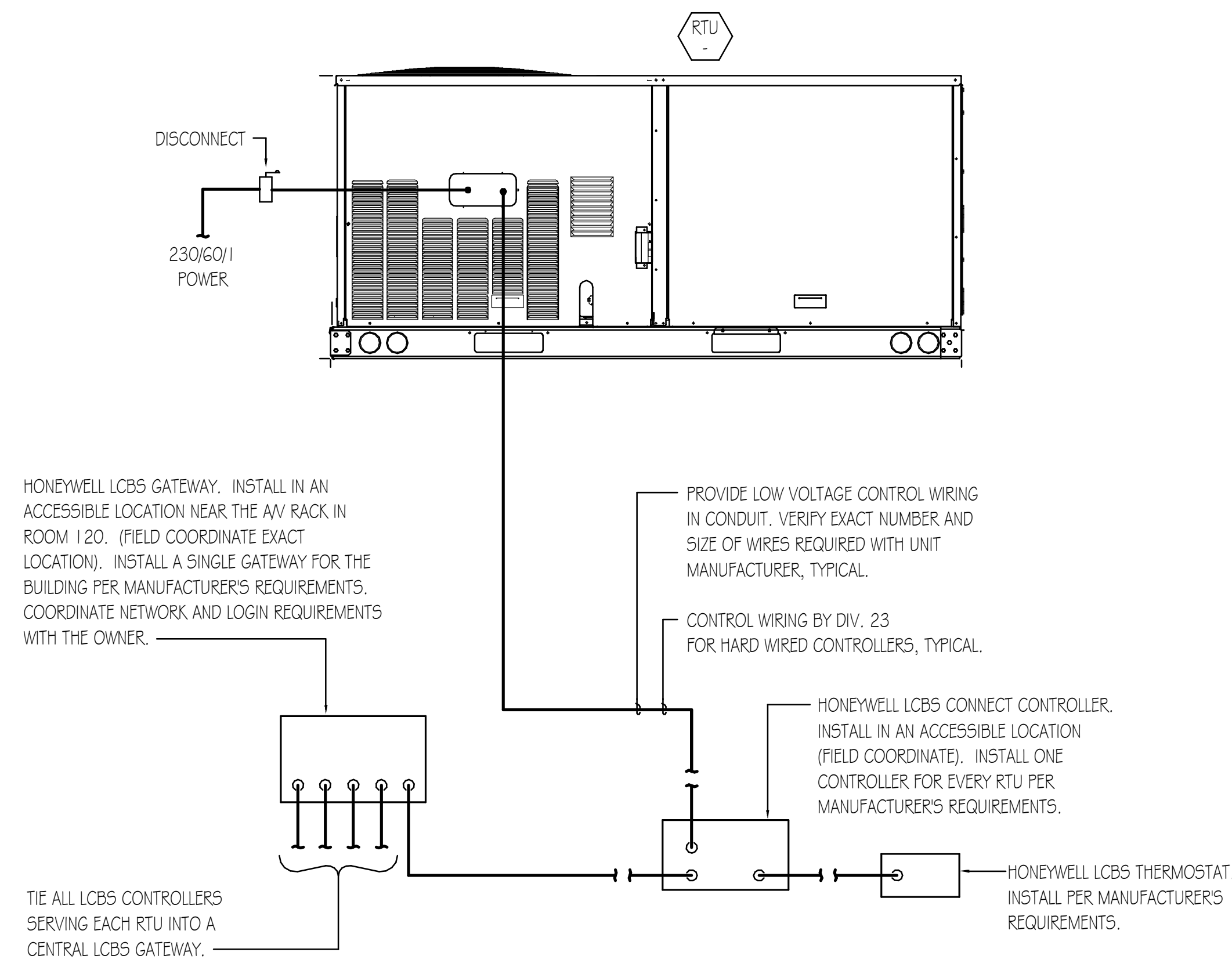
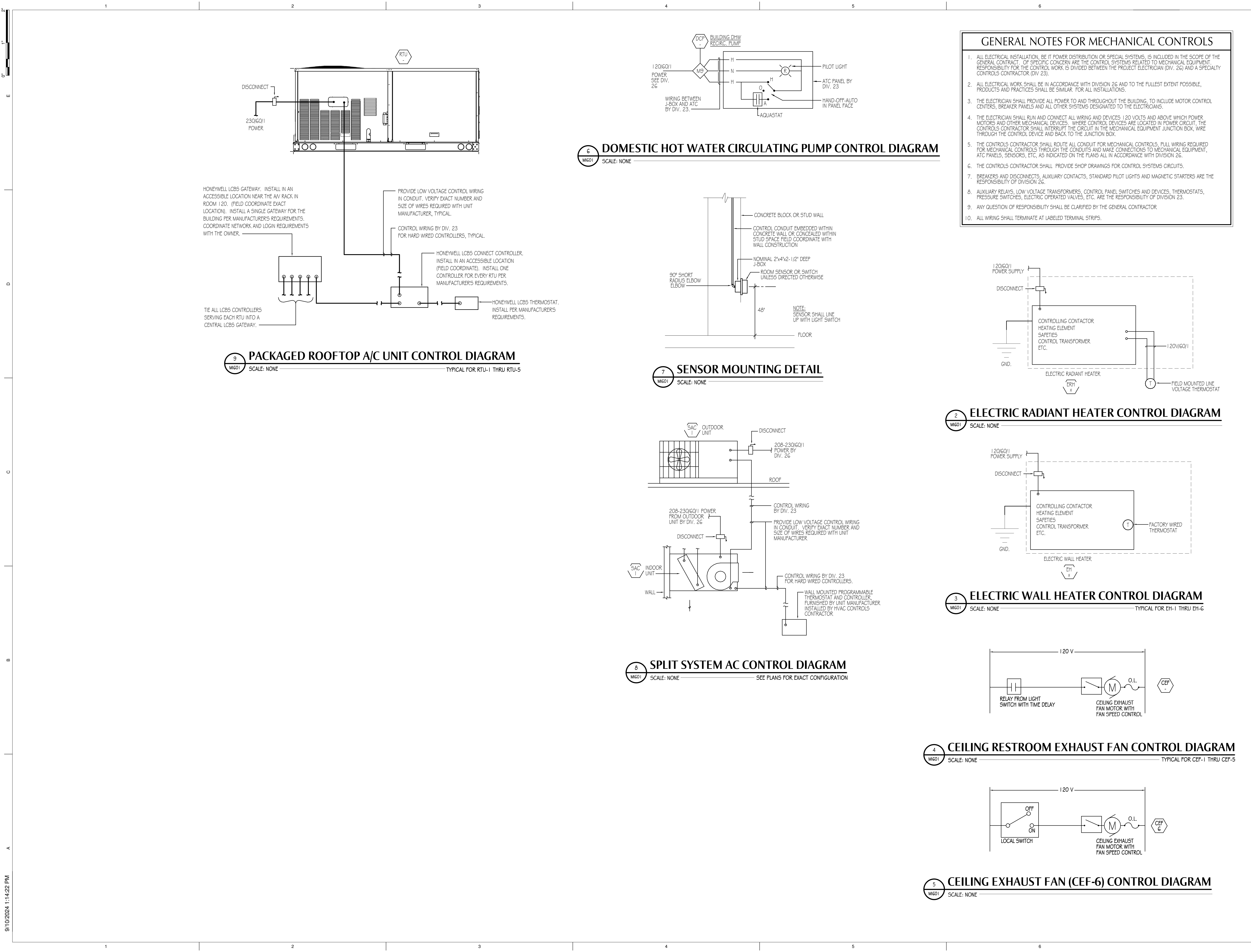
**3 SUSPENDED REFRIGERANT PIPE SUPPORT AT TRUSS DETAIL**  
SCALE: NONE



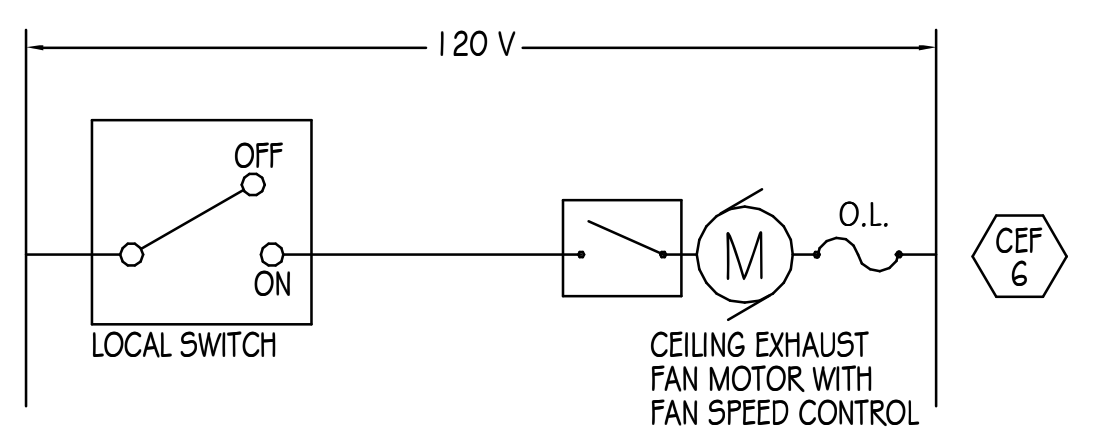
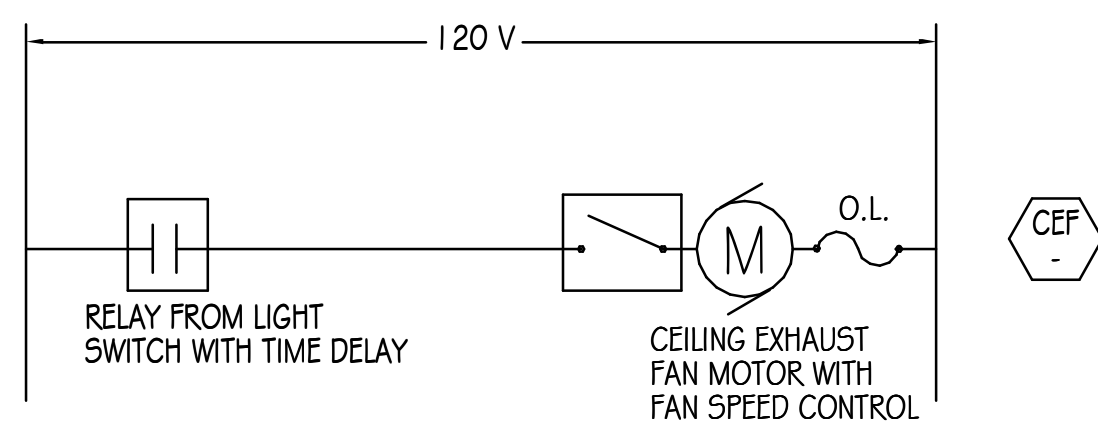
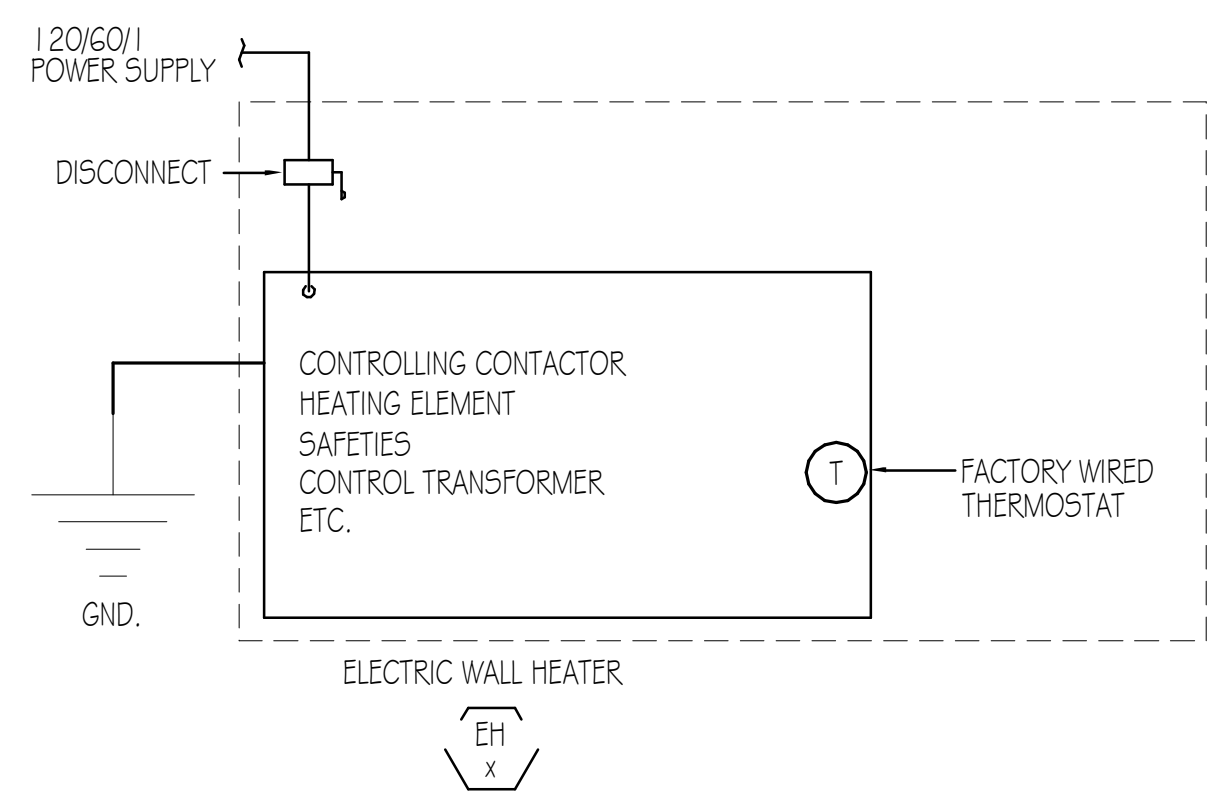
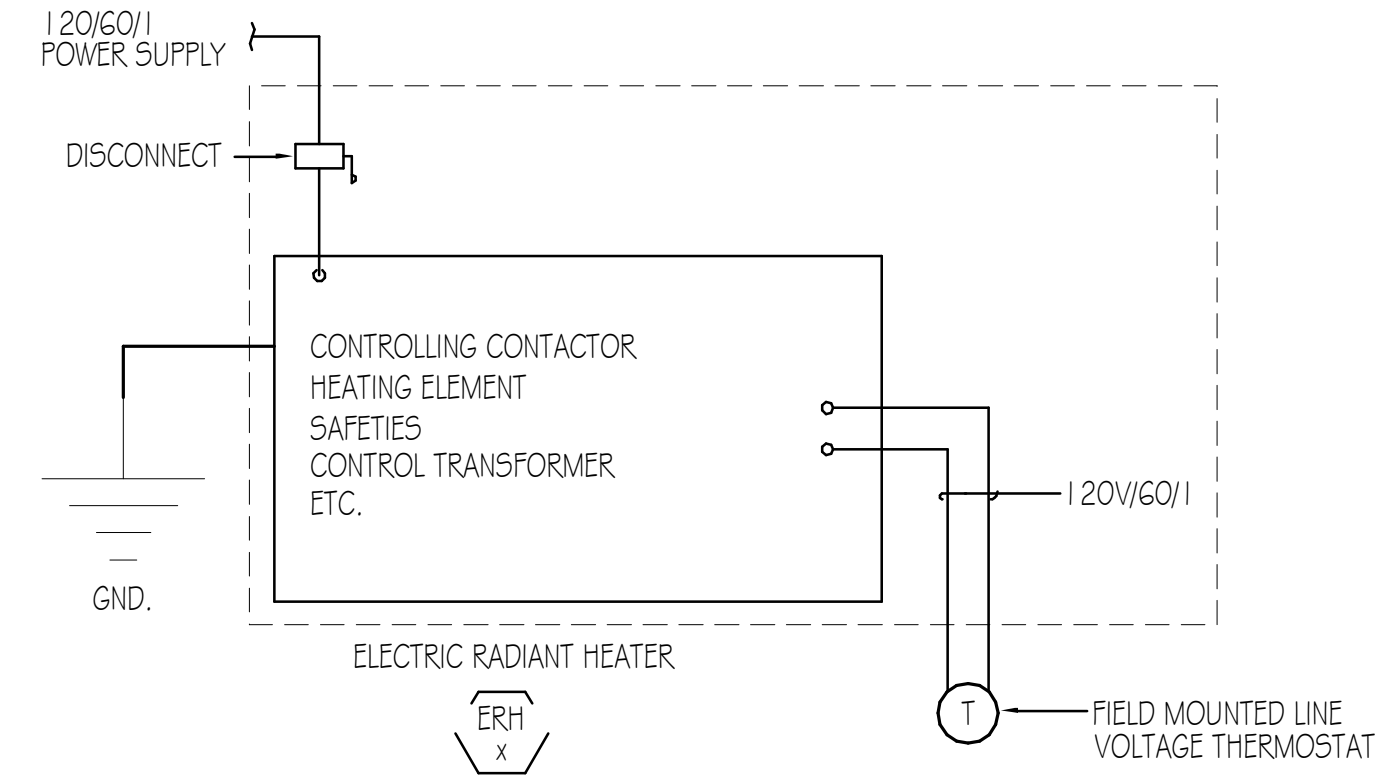
DATE REVISION

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- GENERAL NOTES FOR MECHANICAL CONTROLS**
1. ALL ELECTRICAL INSTALLATION, BE IT POWER DISTRIBUTION OR SPECIAL SYSTEMS, IS INCLUDED IN THE SCOPE OF THE GENERAL CONTRACT. OF SPECIFIC CONCERN ARE THE CONTROL SYSTEMS RELATED TO MECHANICAL EQUIPMENT. RESPONSIBILITY FOR THE CONTROL WORK IS DIVIDED BETWEEN THE PROJECT ELECTRICIAN (DIV. 26) AND A SPECIALTY CONTROLS CONTRACTOR (DIV. 23).
  2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH DIVISION 26 AND TO THE FULLEST EXTENT POSSIBLE, PRODUCTS AND PRACTICES SHALL BE SIMILAR FOR ALL INSTALLATIONS.
  3. THE ELECTRICIAN SHALL PROVIDE ALL POWER TO AND THROUGHOUT THE BUILDING, TO INCLUDE MOTOR CONTROL CENTERS, BREAKER PANELS AND ALL OTHER SYSTEMS DESIGNATED TO THE ELECTRICIANS.
  4. THE ELECTRICIAN SHALL RUN AND CONNECT ALL WIRING AND DEVICES 120 VOLTS AND ABOVE WHICH POWER, MOTORS AND OTHER MECHANICAL DEVICES, WHERE CONTROL DEVICES ARE LOCATED IN POWER CIRCUIT, THE CONTROLS CONTRACTOR SHALL INTERRUPT THE CIRCUIT IN THE MECHANICAL EQUIPMENT JUNCTION BOX, WIRE THROUGH THE CONTROL DEVICE AND BACK TO THE JUNCTION BOX.
  5. THE CONTROLS CONTRACTOR SHALL ROUTE ALL CONDUIT FOR MECHANICAL CONTROLS, PULL WIRING REQUIRED FOR MECHANICAL CONTROLS THROUGH THE CONDUITS AND MAKE CONNECTIONS TO MECHANICAL EQUIPMENT, ATC PANELS, SENSORS, ETC. AS INDICATED ON THE PLANS ALL IN ACCORDANCE WITH DIVISION 26.
  6. THE CONTROLS CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR CONTROL SYSTEMS CIRCUITS.
  7. BREAKERS AND DISCONNECTS, AUXILIARY CONTACTS, STANDARD PILOT LIGHTS AND MAGNETIC STARTERS ARE THE RESPONSIBILITY OF DIVISION 26.
  8. AUXILIARY RELAYS, LOW VOLTAGE TRANSFORMERS, CONTROL PANEL SWITCHES AND DEVICES, THERMOSTATS, PRESSURE SWITCHES, ELECTRIC OPERATED VALVES, ETC. ARE THE RESPONSIBILITY OF DIVISION 23.
  9. ANY QUESTION OF RESPONSIBILITY SHALL BE CLARIFIED BY THE GENERAL CONTRACTOR.
  10. ALL WIRING SHALL TERMINATE AT LABELED TERMINAL STRIPS.



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DATE	REVISION

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**MECHANICAL CONTROL DIAGRAMS**

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### GENERAL PLUMBING NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PLUMBING FIXTURES, EQUIPMENT REQUIREMENTS AND LOCATIONS, AND ALL RELATED UTILITIES WITH THE MECHANICAL AND ARCHITECTURAL PLANS AND SPECIFICATIONS AND SHALL PROVIDE ALL SERVICES AS REQUIRED.
2. ALL WALL-HUNG PLUMBING FIXTURES SHALL BE SECURELY ATTACHED TO AND SUPPORTED BY FLOOR-MOUNTED CARRIERS OF ALL-METAL CONSTRUCTION. FIXTURE HANGERS OR ARMS SHALL BE SUPPORTED FREE OF THE FINISHED WALL. HANGERS SHALL BE BY WADE, SMITH, JOSAM, OR ZURN.
3. EACH INDIVIDUAL FIXTURE SUPPLY SHALL BE PROVIDED WITH A CHROME-PLATED STOP VALVE WITH HAND WHEEL. VALVE SHALL BE BALL TYPE, QUARTER TURN AS APPROVED BY ENGINEER. STOPS SHALL BE ON BOTH HOT AND COLD WATER LINES.
4. FIXTURES AND ACCESSORIES SHALL BE AS SPECIFIED. EACH ITEM SHALL BE COMPLETE WITH CHROME-PLATED BRASS TRIM. SEE PLUMBING FIXTURE SCHEDULE.
5. CAULK WITH SILICONE COMPOUND AROUND ALL FIXTURES AT INTERFACE WITH WALLS AND/OR FLOOR.
6. ALL PLUMBING SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE UTAH PLUMBING CODE AND/OR LOCAL ORDINANCES.

### PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	DROP IN PIPE
	RISE IN PIPE
	VALVE IN RISE
	UNION
	GAS SHUT OFF VALVE (GAS COCK)
	BALL VALVE
	CAP
	GAS TYPE WATER HAMMER ARRESTOR
	THERMOMETER
	PRESSURE REDUCING VALVE - (PRV)
	FLOOR DRAIN, FLOOR SINK, ROOF DRAIN
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	CLEAN OUT
	VENT THROUGH ROOF
	SAFETY OR RELIEF VALVE
	COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	SEWER OR WASTE
	VENT
	GAS (NATURAL GAS)

### PLUMBING FIXTURE SCHEDULE

SYM.	DESCRIPTION	COLD	HOT	TRAP	WASTE	VENT	REMARKS
P-1A	WATER CLOSET - FLOOR MOUNTED, TANK TYPE, STANDARD	1/2"	-	INT	3"	2"	-
P-1B	WATER CLOSET - FLOOR MOUNTED, TANK TYPE, ADA	1/2"	-	INT	3"	2"	-
P-2A	URINAL - WALL MOUNTED, MANUAL FLUSH VALVE.	3/4"	-	INT	2"	2"	-
P-2B	URINAL - WALL MOUNTED, MANUAL FLUSH VALVE, ADA	3/4"	-	INT	2"	2"	-
P-3	LAVATORY, WALL MOUNTED	1/2"	1/2"	1-1/2"	2"	2"	-
P-4	SERVICE SINK - FLOOR MOUNTED, PROVIDE WITH STAINLESS STEEL RIM GUARD	1/2"	1/2"	3"	2"	2"	-
P-5	WORKROOM SINK, SINGLE COMPARTMENT	1/2"	1/2"	1-1/2"	2"	2"	-
P-6	ELECTRIC WATER COOLER, HIGH-LOW, WITH BOTTLE FILLER.	1/2"	-	1-1/2"	2"	2"	-
IMC	ICE MAKER CONNECTION BOX	1/2"	-	-	-	-	-
WH	WALL HYDRANT	3/4"	-	-	-	-	-
HB	HOSE BIBB	1/2"	-	-	-	-	-
FD-1	FLOOR DRAIN, 6" ROUND GRATE, PROVIDE WITH TRAP SEAL DEVICE & DEEP SEAL P-TRAP	-	-	2"	2"	2"	-
FD-2	FLOOR DRAIN, 9" ROUND GRATE, PROVIDE WITH TRAP SEAL DEVICE & DEEP SEAL P-TRAP	-	-	3"	3"	2"	-
RD	ROOF DRAIN	-	-	-	SEE PLANS	-	-
SRD	SECONDARY ROOF DRAIN	-	-	-	SEE PLANS	-	-
DSN	DOWNSPOUT NOZZLE	-	-	-	SEE PLANS	-	-
FCO	FLOOR CLEANOUT	-	-	-	-	-	-
WCO	WALL CLEANOUT	-	-	-	-	-	-
CO	CLEANOUT	-	-	-	-	-	-

### ELECTRIC WATER HEATER

SYMBOL	ELEMENT WATTAGE KW	DOMESTIC WATER			STORAGE GALLON	ELECTRICAL			A.O. SMITH MODEL NUMBER	EFF.	REMARKS
		GPH	EWT	LW		VOLTS	HERTZ	PHASE			
WH-1	3	15	40°F	122°F	20	240	60	1	DEL-20	100%	STANDBY LOSSES TO MEET ENERGY EFFICIENCY REQUIREMENTS FOR WATER HEATER CONSTRUCTION OF ASHRAE 90.1-10 AND IECC C404.2

### DOMESTIC WATER CIRCULATION PUMP

SYMBOL	GPM	FEET HEAD	HP	RPM	ELECTRICAL			DUTY	TYPE	B&G SERIES	SIZE	REMARKS
					VOLTS	HZ	PHASE					
DCP-1	2	8	1/6	1725	115	60	1	HOT WATER LOOP	IN-LINE	PR SERIES	1"	ALL BRONZE, CONTROLLED ON/OFF WITH AQUA STAT

### DOMESTIC EXPANSION TANK

SYMBOL	TANK VOLUME (GAL)	ACCEPT VOLUME (GAL)	AMTROL MODEL	ARRANGEMENT	DUTY	REMARKS
DET-1	2	0.9	ST-5	VERTICAL	DOMESTIC FOLD WATER SYSTEM	-

### WATER HAMMER ARRESTER SCHEDULE

MARK	MANUFACTURER/MODEL #	FIXTURE UNITS	INLET SIZE	REMARKS
WHA-A	PPP SC-500	1-1	1/2"	PER PDI STANDARD PDI-WH 201
WHA-B	PPP SC-750	12-32	3/4"	PER PDI STANDARD PDI-WH 201
WHA-C	PPP SC-1000	33-60	1"	PER PDI STANDARD PDI-WH 201

### THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER AND MODEL NO.	LOCATION	FLOW RATE (GPM)	ALLOWABLE PRESSURE DIFFERENTIAL (PSI)	OUTLET HOT WATER TEMP. (°F)	INLET SIZE	OUTLET SIZE	ACCESSORIES AND REMARKS
MV-1	POWERS - LFG480	BELOW HAND SINKS	0.5-2.0	5	105°	1/2"	1/2"	ASSE 1070

### BACKFLOW PREVENTER SCHEDULE

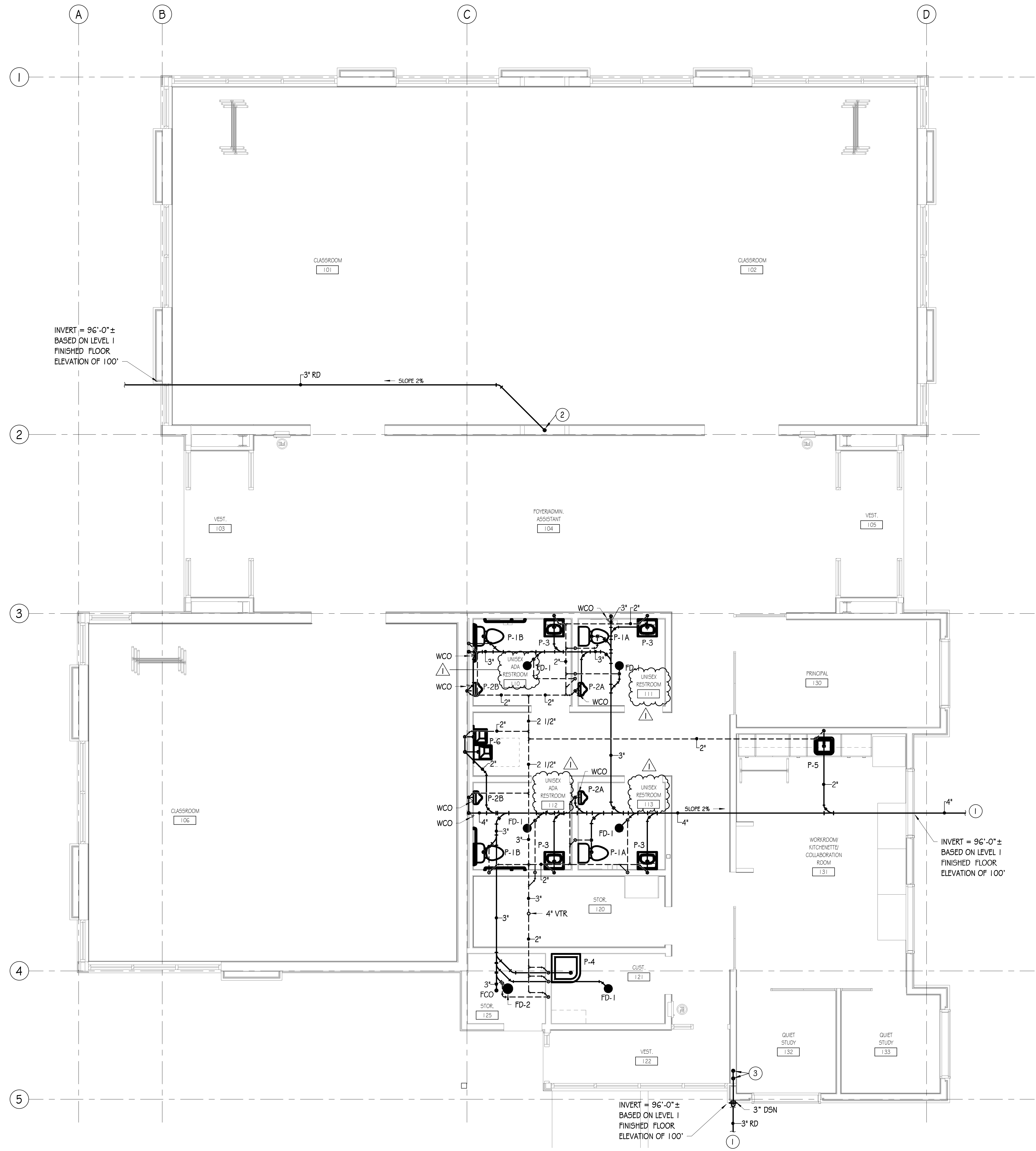
SYMBOL	S E R V I C E	QTY.	SIZE	WATT'S MANUFACTURER NUMBER
BFP-1	WATER ENTRY	1	1-1/2"	LFO095



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**DRAWING NOTES**

NOTE #	DESCRIPTION
1	SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION.
2	DROP 3" RD DOWN IN WALL TO BELOW GRADE AND ROUTE AS SHOWN.
3	DROP 3" RD AND 3" SRD DOWN IN WALL. EXTEND 3" SRD THROUGH WALL AND DAYLIGHT APPROXIMATELY 18" A.F.G. CONTINUE DROPPING 3" RD DOWN TO BELOW GRADE.



**LEVEL 1 PLUMBING PLAN - WASTE & VENT**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



DATE	REVISION
11.22.24	ADD #1

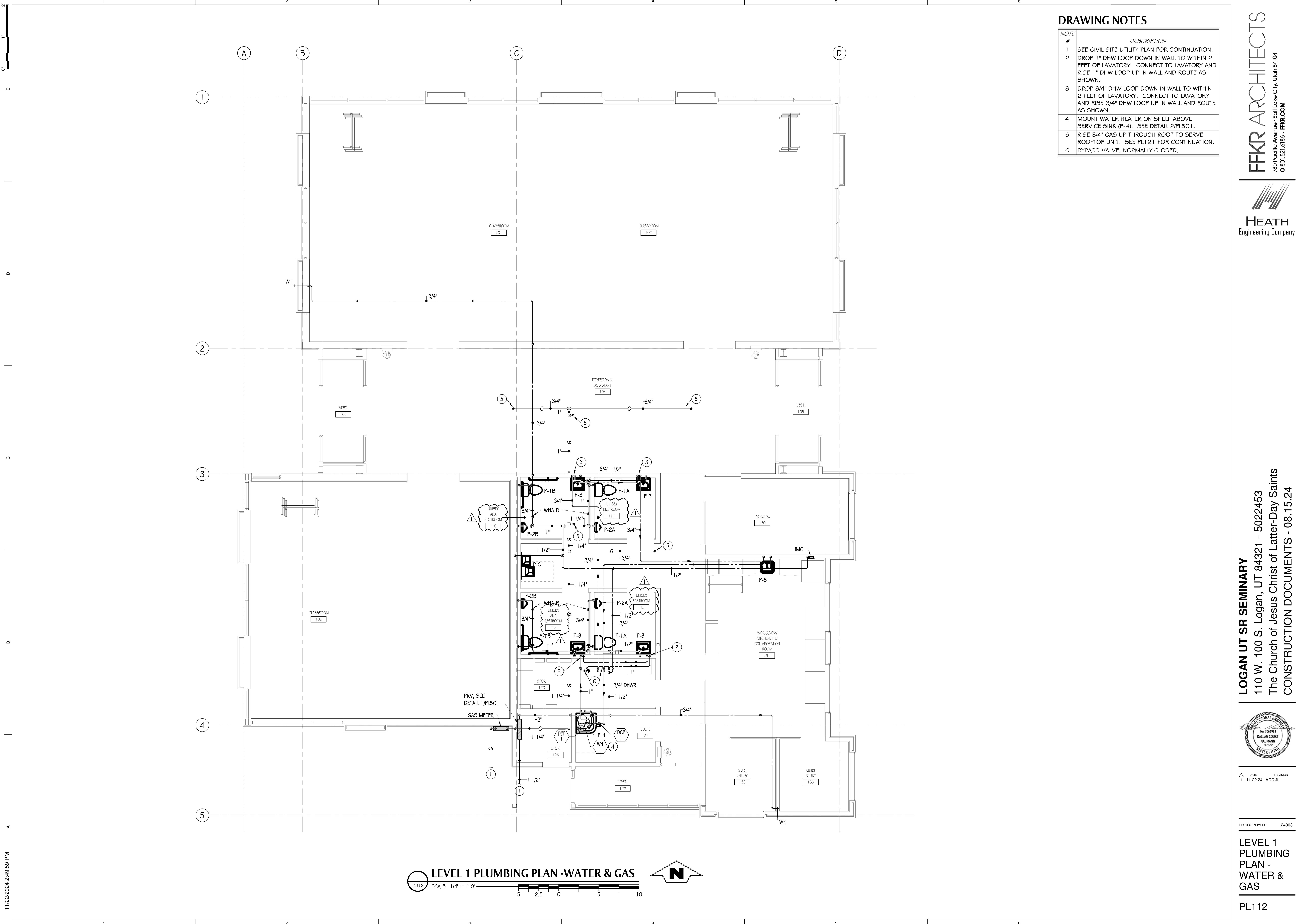
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**LEVEL 1  
 PLUMBING  
 PLAN -  
 WASTE &  
 VENT**

PL111



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**DRAWING NOTES**

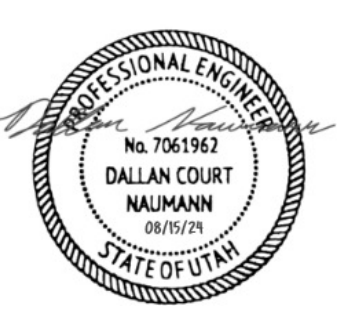
NOTE #	DESCRIPTION
1	SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION.
2	DROP 1" DHW LOOP DOWN IN WALL TO WITHIN 2 FEET OF LAVATORY. CONNECT TO LAVATORY AND RISE 1" DHW LOOP UP IN WALL AND ROUTE AS SHOWN.
3	DROP 3/4" DHW LOOP DOWN IN WALL TO WITHIN 2 FEET OF LAVATORY. CONNECT TO LAVATORY AND RISE 3/4" DHW LOOP UP IN WALL AND ROUTE AS SHOWN.
4	MOUNT WATER HEATER ON SHELF ABOVE SERVICE SINK (P-4). SEE DETAIL 2/PL501.
5	RISE 3/4" GAS UP THROUGH ROOF TO SERVE ROOFTOP UNIT. SEE PL121 FOR CONTINUATION.
6	BYPASS VALVE, NORMALLY CLOSED.

**LEVEL 1 PLUMBING PLAN - WATER & GAS**  
 SCALE: 1/4" = 1'-0"  
 RL112

**FFKR ARCHITECTS**  
 730 Pacific Avenue - Salt Lake City, Utah 84104  
 O 801.521.6186 - FFKR.COM

**HEATH**  
 Engineering Company

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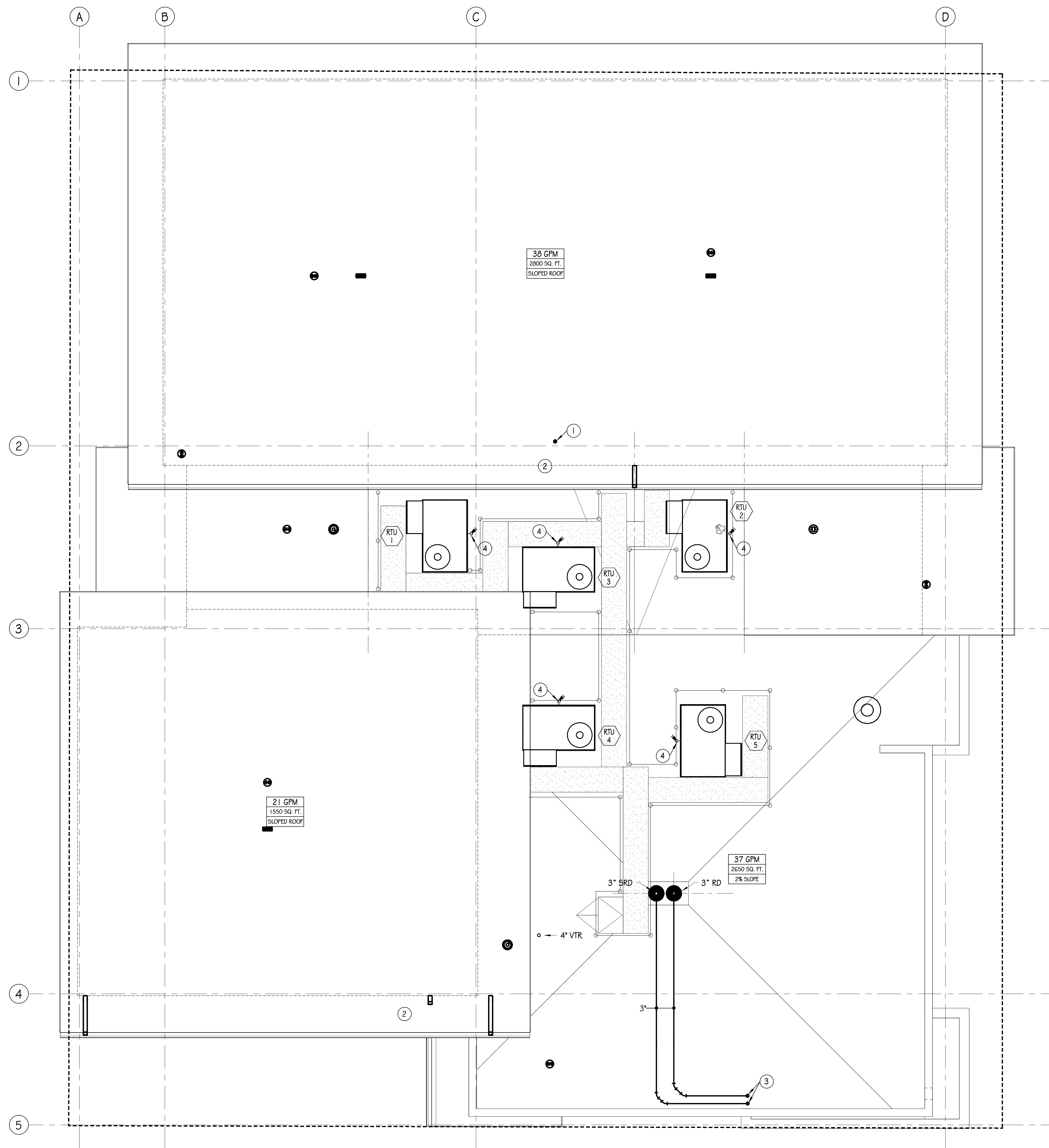
DATE: 11.22.24  
 REVISION: ADD #1

PROJECT NUMBER: 24003

**LEVEL 1  
 PLUMBING  
 PLAN -  
 WATER &  
 GAS**

PL112

9/10/2024 1:24:24 PM



**DRAWING NOTES**

NOTE #	DESCRIPTION
1	CONNECT 3" RD PIPING TO 3" GUTTER DRAIN PIPING OUTSIDE OF BUILDING. EXTEND 3" RD PIPING INTO BUILDING AND DROP DOWN IN WALL TO LEVEL BELOW. SEE PL101 FOR CONTINUATION. SEE ARCHITECTURAL DETAIL AND DETAIL 12/PL501 FOR GUTTER TO ROOF DRAIN PIPING CONNECTION.
2	GUTTER DRAIN SPECIFIED BY ARCHITECT.
3	DROP 3" RD AND 3" SRD DOWN IN WALL ON LEVEL BELOW. SEE PL111 FOR CONTINUATION.
4	RISE 3/4" GAS UP THROUGH ROOF AND CONNECT TO ROOFTOP UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND PER DETAIL 11/PL501. SEE GAS FLOW DIAGRAM.

**ROOF PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10

**ROOF DRAIN DESIGN NOTES**

DESIGN RAINFALL RATE: 1.2 IN / HR
xx GPM — DESIGN GALLON PER MINUTE
xx SQ. FT. — DESIGN ROOF DRAIN AREA (SQ. FT.)
2% SLOPE — MINIMUM DESIGN PIPE SLOPE

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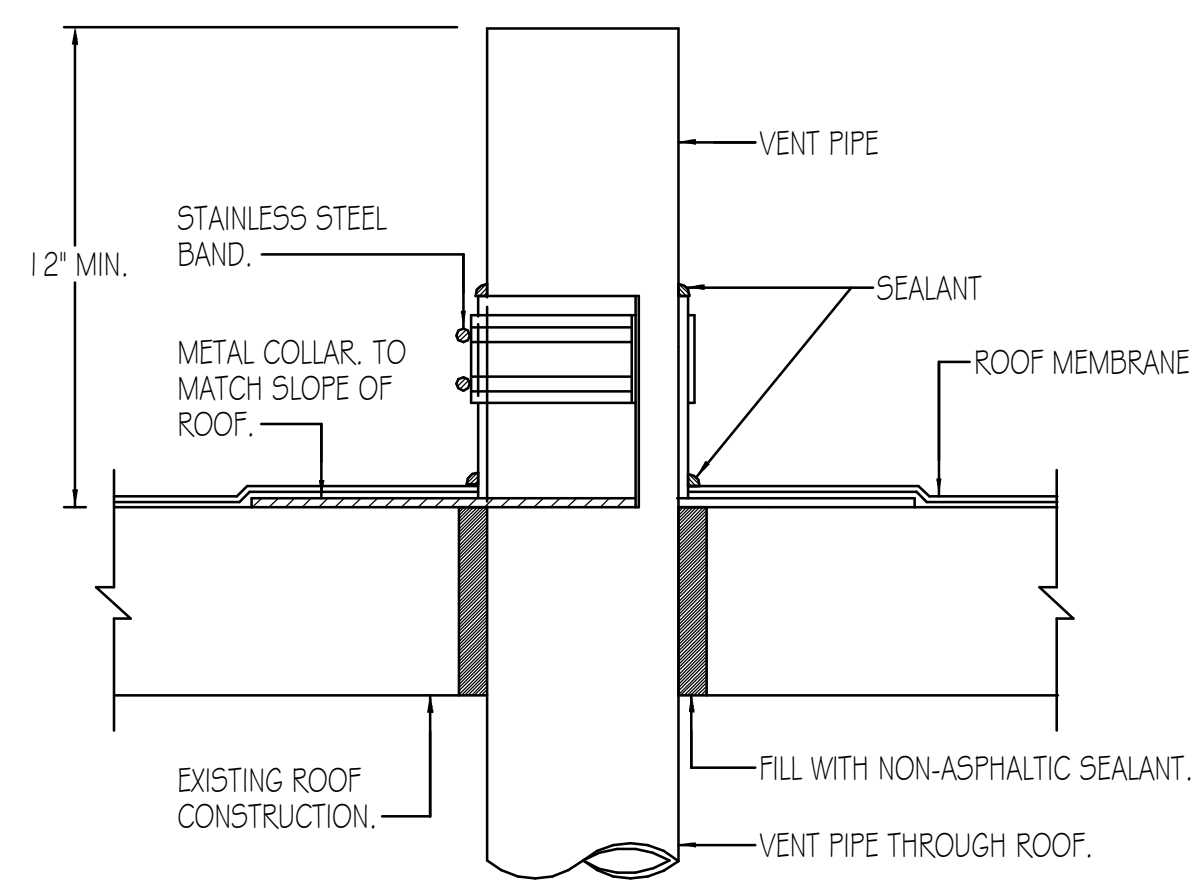


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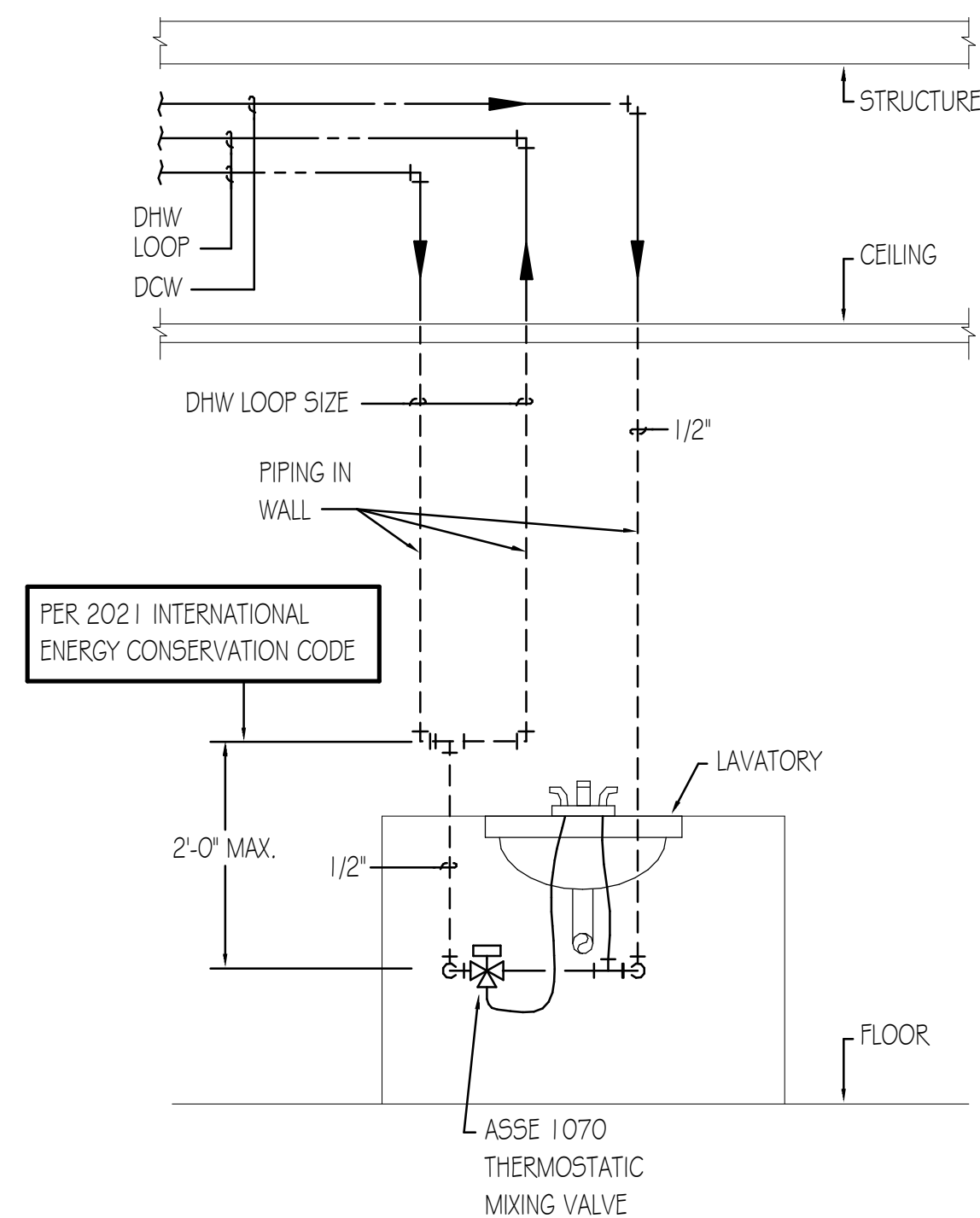
**ROOF PLUMBING PLAN**

PL121



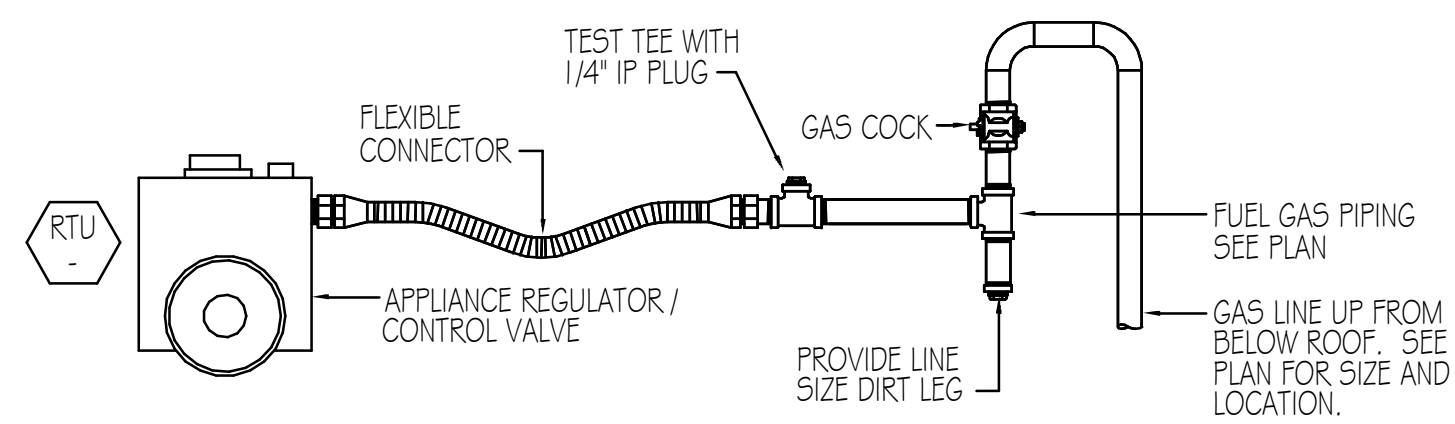
**9 VENT THRU ROOF DETAIL**

PL501 SCALE: NONE



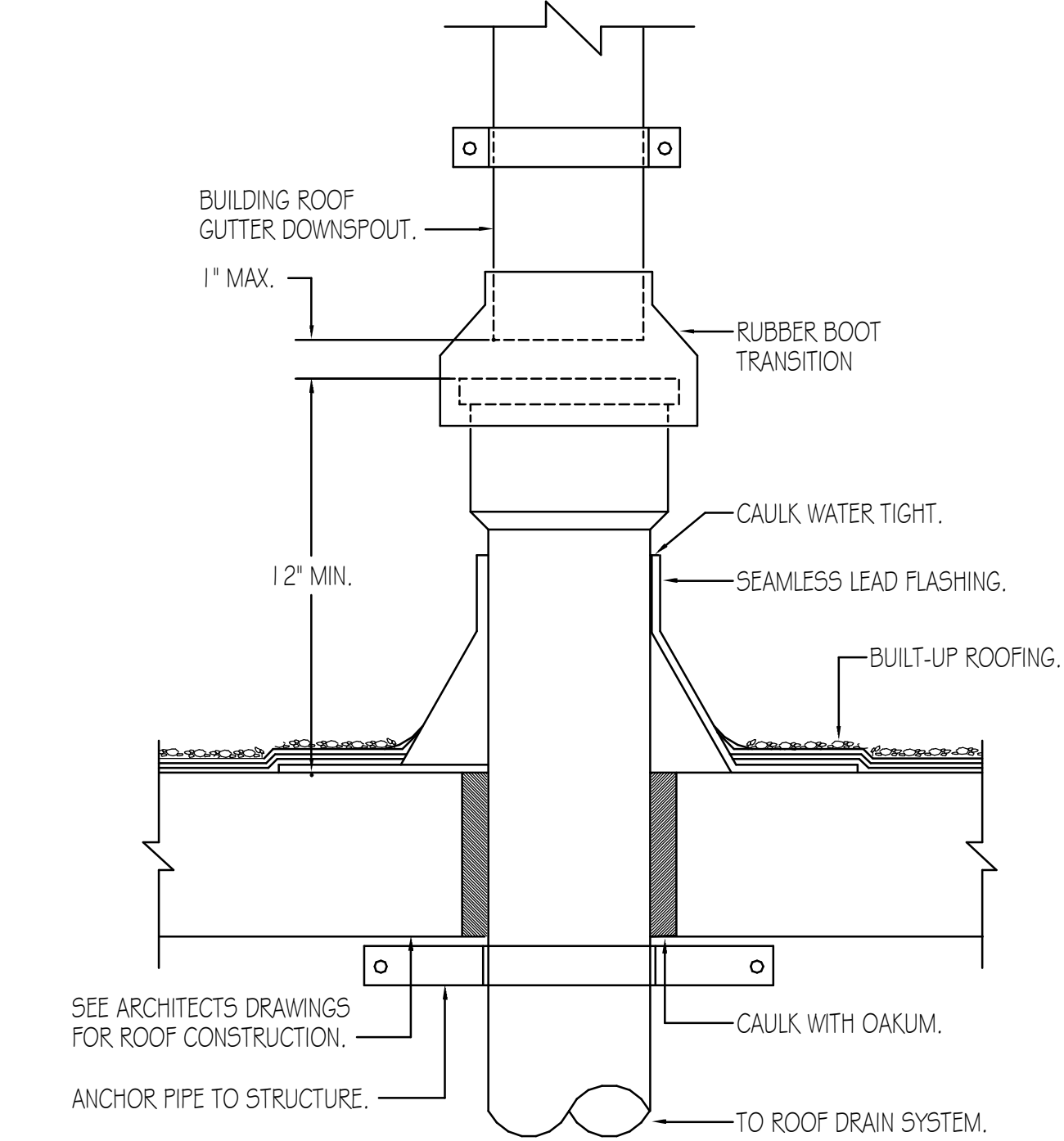
**10 LAVATORY DOMESTIC WATER PIPING DETAIL**

PL501 SCALE: NONE



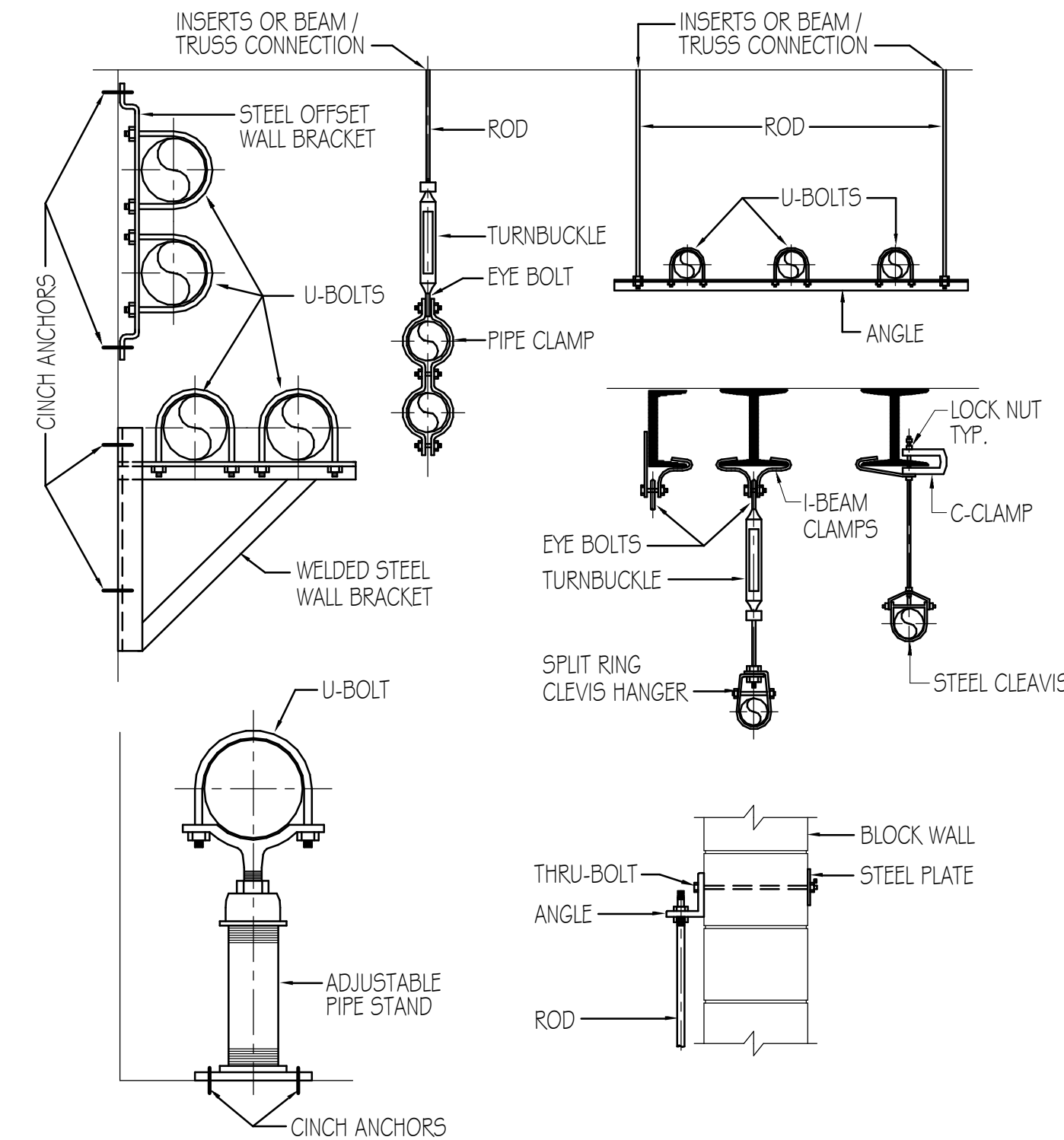
**11 GAS CONNECTION TO RTU DETAIL**

PL501 SCALE: NONE



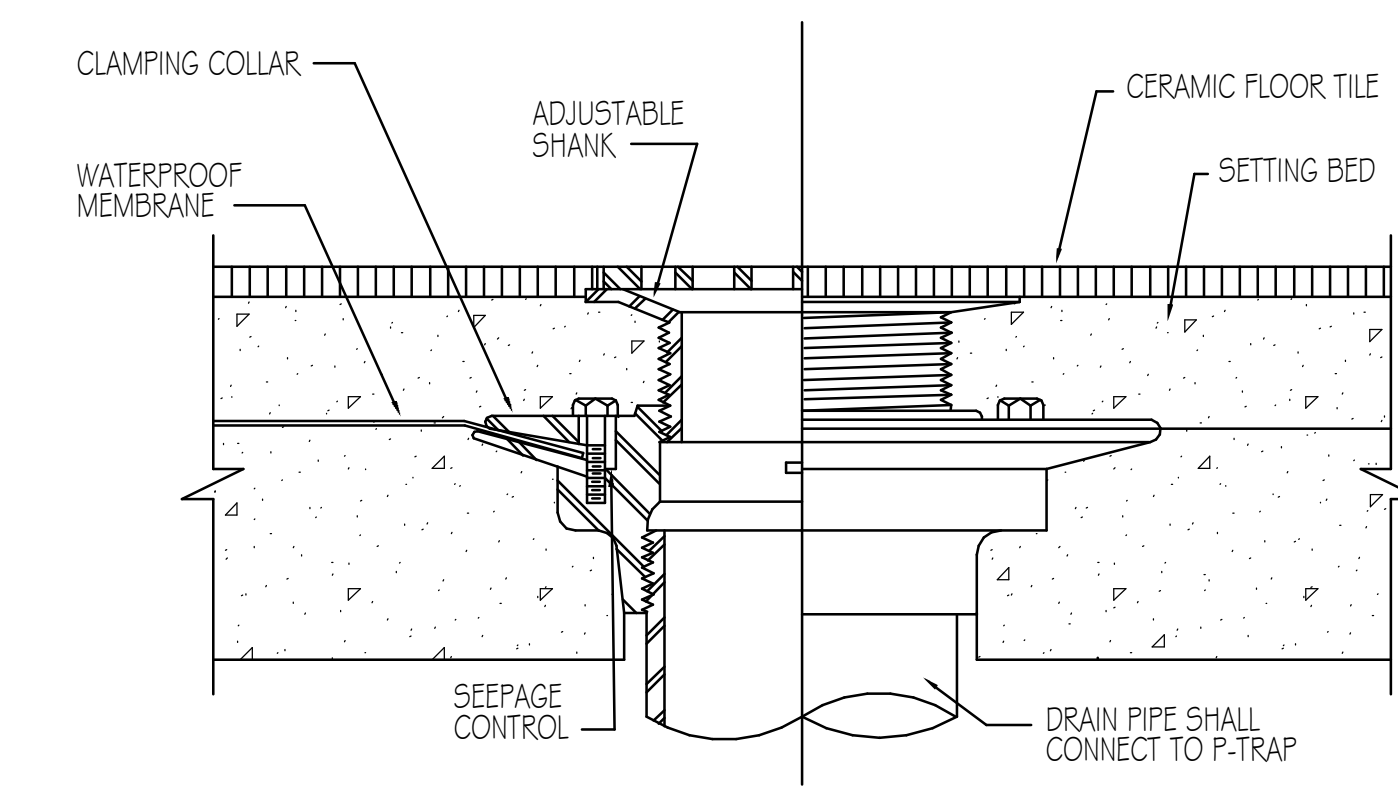
**12 DOWNSPOUT TO HUB DETAIL**

PL501 SCALE: NONE



**5 TYPICAL PIPE SUPPORTS DETAIL**

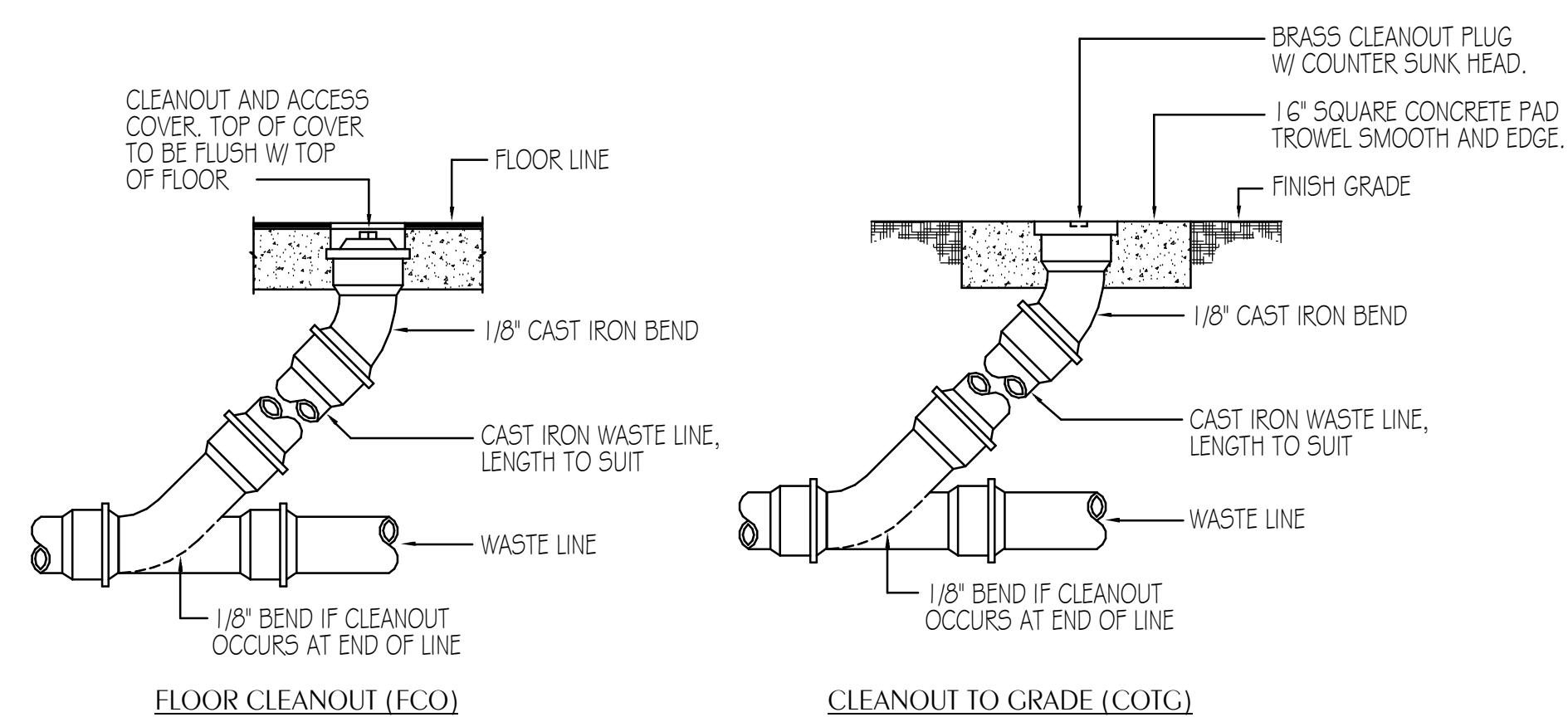
PL501 SCALE: NONE



NOTE: LOCATE FLOOR DRAIN IN LOCATION SHOWN ON ARCHITECTURAL AND/OR PLUMBING PLANS. SEE ARCH. FOR LOCATION DIMENSIONS.

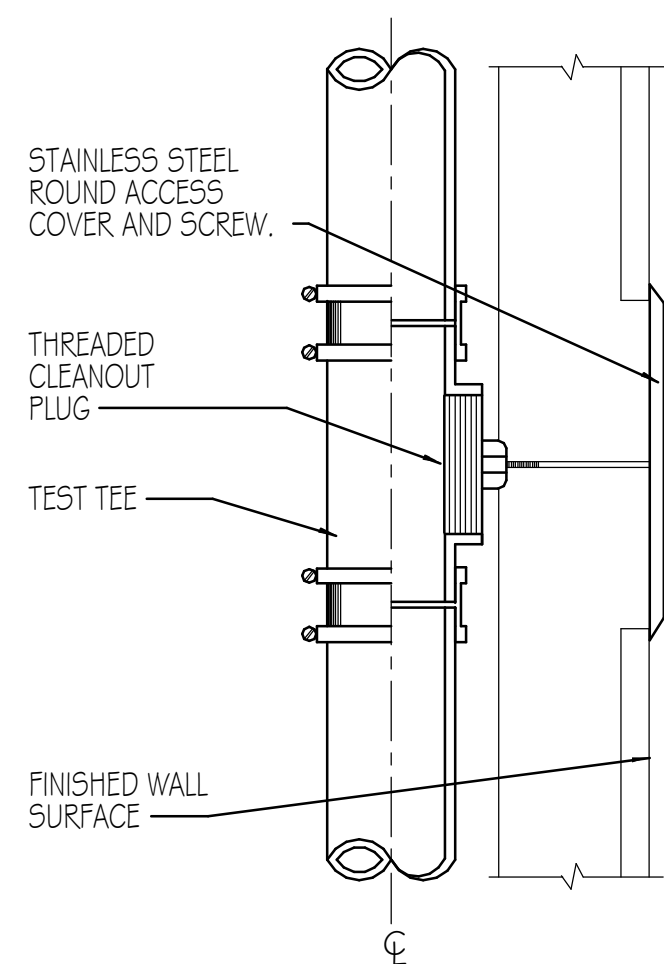
**6 FLOOR DRAIN DETAIL**

PL501 SCALE: NONE



**7 CLEANOUT DETAILS**

PL501 SCALE: NONE

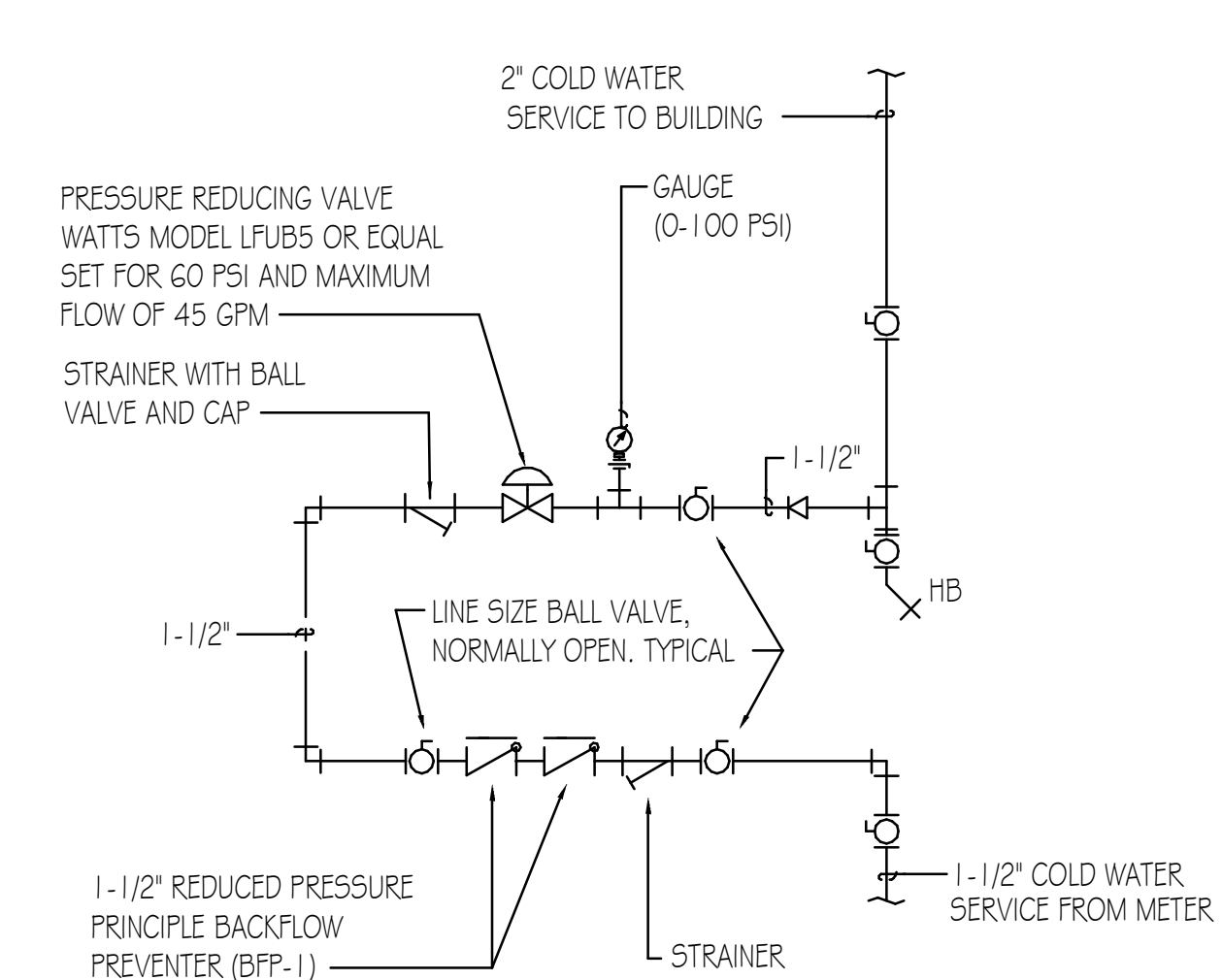


**8 WALL CLEANOUT DETAIL**

PL501 SCALE: NONE

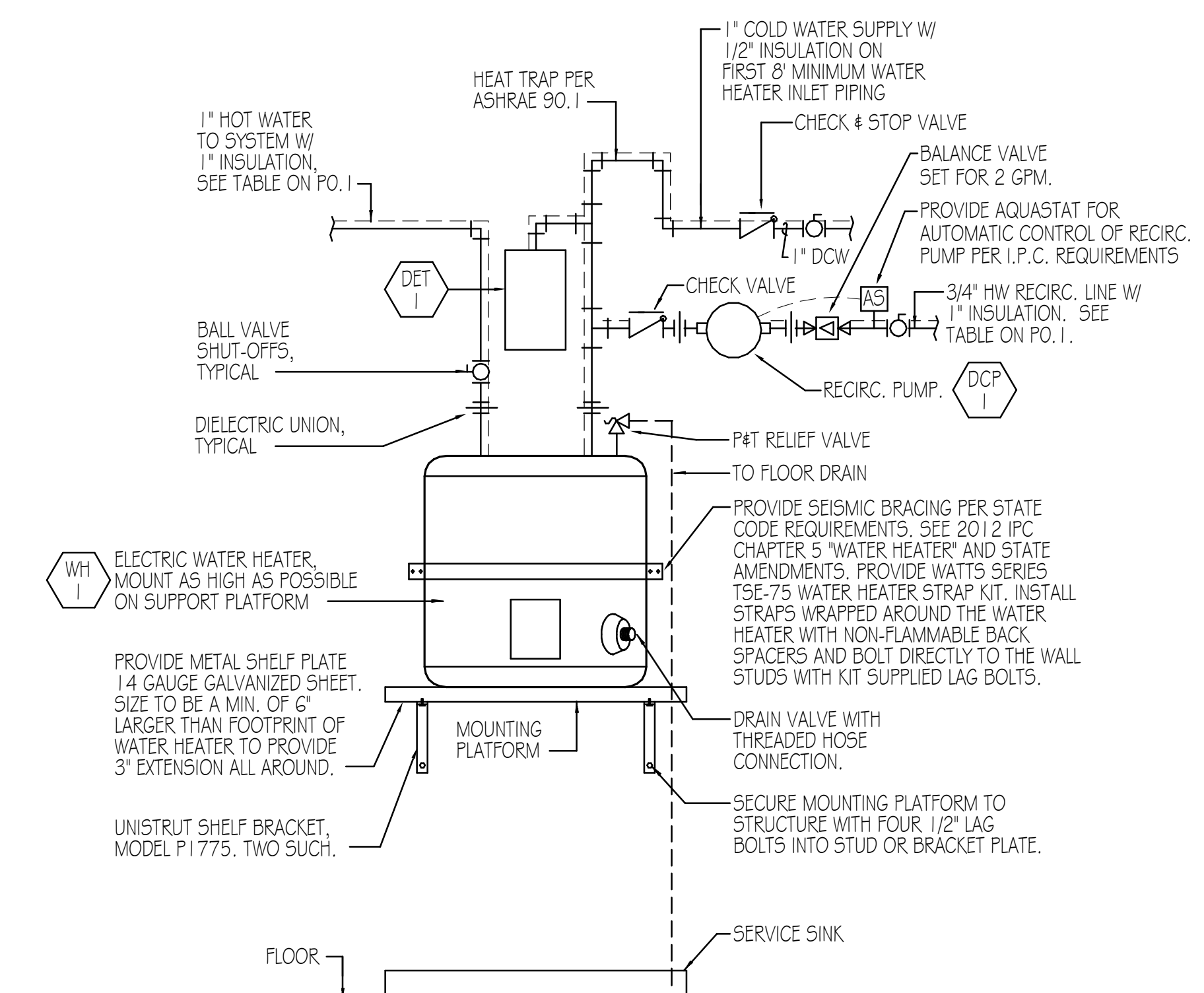
MOUNTING HEIGHT CHART	
LOCATION DESCRIPTION	CENTERLINE HEIGHT
URINAL	48"
LAVATORY	12"
SINK	12"
GENERAL WALL	12"

NOTE: COORDINATE WITH ARCHITECT PRIOR TO INSTALLING AT A HEIGHT OTHER THAN THAT LISTED ABOVE.



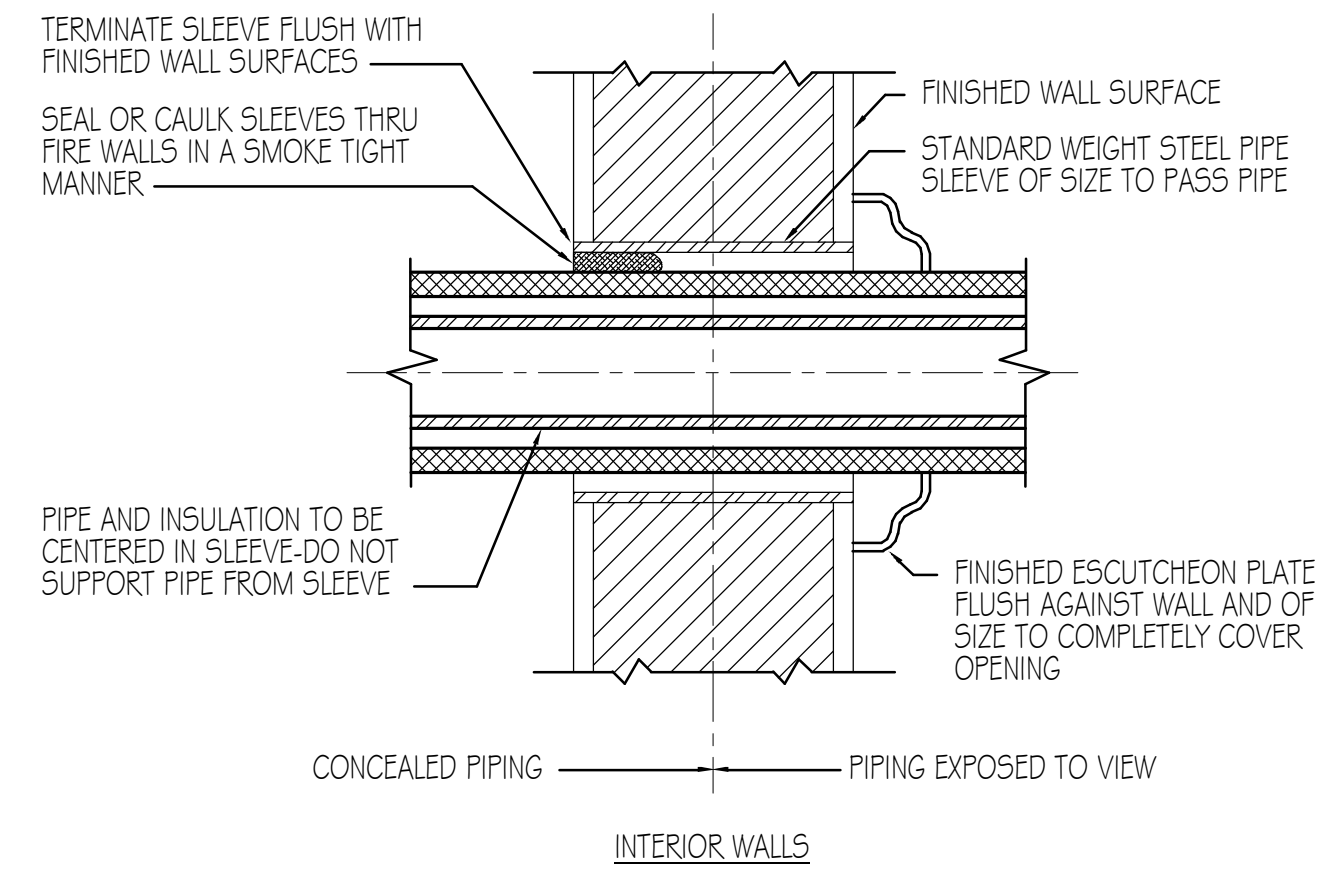
**1 BUILDING WATER ENTRY DETAIL**

PL501 SCALE: NONE



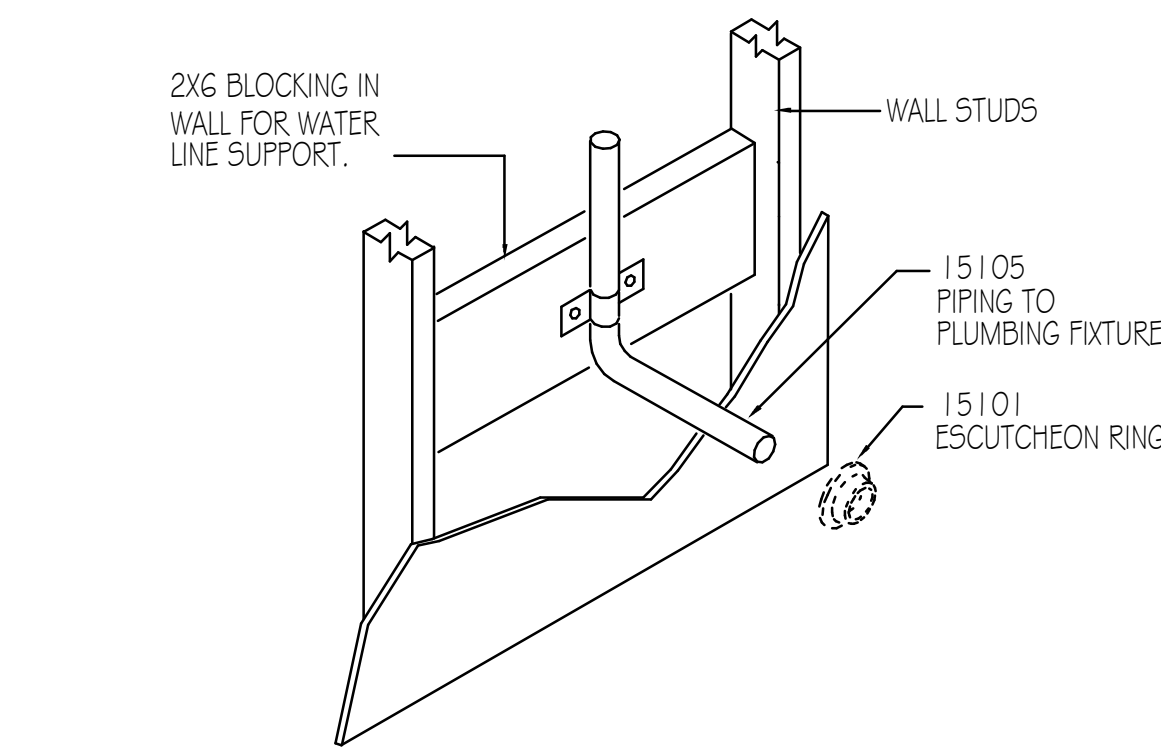
**2 ELECTRIC WATER HEATER DETAIL**

PL501 SCALE: NONE



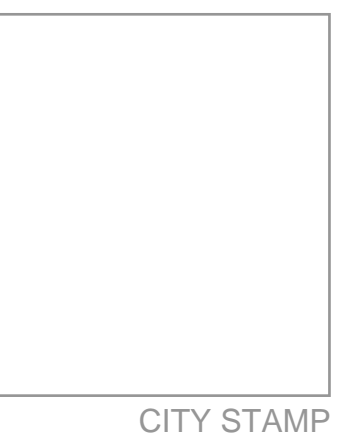
**3 WALL PENETRATION DETAIL**

PL501 SCALE: NONE



**4 PIPE SUPPORT DETAIL**

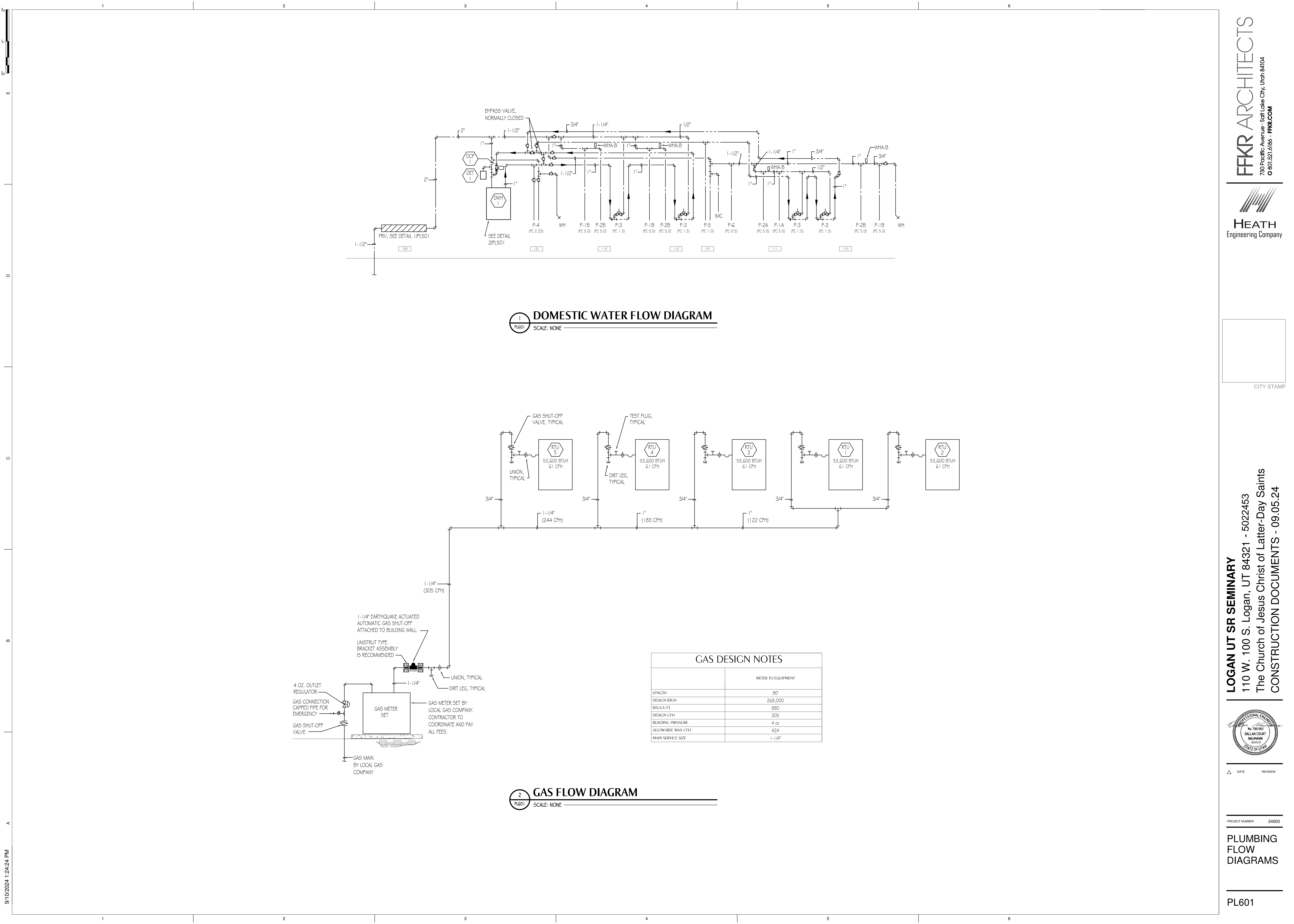
PL501 SCALE: NONE



DATE REVISION

PROJECT NUMBER 24003

**PLUMBING**  
DETAILS



**1 DOMESTIC WATER FLOW DIAGRAM**  
 SCALE: NONE

**2 GAS FLOW DIAGRAM**  
 SCALE: NONE

GAS DESIGN NOTES	
	METER TO EQUIPMENT
LENGTH	90'
DESIGN BTUH	268,000
BTUH/FT	880
DESIGN CFH	305
BUILDING PRESSURE	4 oz
ALLOWABLE MAX CFH	424
MAIN SERVICE SIZE	1-1/4"

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**PLUMBING FLOW DIAGRAMS**

PL601

9/10/2024 1:24:24 PM



11/22/2024 3:31:15 PM

PANEL L

Table for PANEL L: VOLTAGE: 240/120 V 1Ø 3W, CIRCUIT BREAKER TYPE: BOLT-ON, MOUNTING: SURFACE, COVER TYPE: DOOR-IN-DOOR, LOCATION: AS INDICATED ON FLOORPLAN. Includes branch circuit breaker table with columns for notes, #, amp, p, load (VA), description, LI, L2, connection, and branch circuit breaker details.

NOTES: 1, 2, 3, 4

PANEL MDP

Table for PANEL MDP: VOLTAGE: 240/120 V 1Ø 3W, CIRCUIT BREAKER TYPE: BOLT-ON, MOUNTING: SURFACE, COVER TYPE: DOOR-IN-DOOR, LOCATION: AS INDICATED ON FLOORPLAN. Includes branch circuit breaker table with columns for notes, #, amp, p, load (VA), description, LI, L2, connection, and branch circuit breaker details.

NOTES: 1, 2, 3, 4

PATCH PANEL SCHEDULE table with columns: PORT, ROOM #, ROOM NAME, OUTLET DESCRIPTION, SWITCH NAME, PORT #, PORT, ROOM #, ROOM NAME, OUTLET DESCRIPTION, SWITCH NAME, PORT #. Includes general notes: PROVIDE, INSTALL, TERMINATE AND TEST CAT6 CABLES TO DEVICES INDICATED AND PATCH PANEL, DEVICES, CONDUITS, ETC. SEE SPECS.

TR-01 WALL MOUNTED RACK #1 (TYPICAL EQUIPMENT LAYOUT) table showing rack layout from RU 45 down to 1, including descriptions like BLANK SPACE, TRO1 LIU O1A, SECURITY PANEL, AV PATCH PANEL, AV EQUIPMENT, AMP LIFIER, BELL SYSTEM CONTROLLER, UPS 'A' 1.5KVA [4U] APC SMART UPS SRT 300VA RM 208V WITH NETWORK CARD AND SRT 96V 3KVA RM BATTERY PACK 2. CORD AND PLUG CONNECT TO L6-30 PLUG AT CEILING POWER.

PANEL A

Table for PANEL A: VOLTAGE: 240/120 V 1Ø 3W, CIRCUIT BREAKER TYPE: BOLT-ON, MOUNTING: SURFACE, COVER TYPE: DOOR-IN-DOOR, LOCATION: AS INDICATED ON FLOORPLAN. Includes branch circuit breaker table with columns for notes, #, amp, p, load (VA), description, LI, L2, connection, and branch circuit breaker details.

NOTES: 1, 2, 3, 4

PANEL B

Table for PANEL B: VOLTAGE: 240/120 V 1Ø 3W, CIRCUIT BREAKER TYPE: BOLT-ON, MOUNTING: SURFACE, COVER TYPE: DOOR-IN-DOOR, LOCATION: AS INDICATED ON FLOORPLAN. Includes branch circuit breaker table with columns for notes, #, amp, p, load (VA), description, LI, L2, connection, and branch circuit breaker details.

NOTES: 1, 2, 3, 4



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ELECTRICAL SCHEDULES

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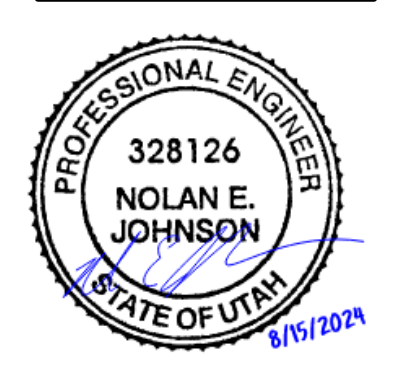
**FIRE ALARM AND DETECTION CONTROL MATRIX  
SYSTEM OUTPUTS**

SYSTEM INPUTS	FACP ANNUNCIATION				NOTIFICATION	FIRE SAFETY CONTROL				REPORTING VIA DIALOUT			
	ACTUATE COMMON ALARM INDICATOR	ACTUATE COMMON SUPERVISORY INDICATOR	ACTUATE COMMON TROUBLE INDICATOR	ACTUATE AUDIBLE SIGNAL		ACTUATE DISPLAY	ACTUATE 1ST FLOOR EVACUATION APPLIANCES	RELEASE MAGNETIC DOOR HOLDERS	SHUTDOWN RELATED AIR HANDLER	SHUTDOWN ALL AIR HANDLERS	CLOSE FIRE / SMOKE DAMPERS	REPORT COMMON ALARM	REPORT COMMON SUPERVISORY
<b>ALARM INITIATING DEVICES</b>													
CARBON MONOXIDE DETECTOR(S)	X			X	X	X	X	X			X		
BUILDING SMOKE DETECTOR(S)	X			X	X	X	X		X	X	X		
BUILDING HEAT DETECTOR(S)	X			X	X	X	X		X	X	X		
MANUAL PULL STATION(S)	X			X	X	X	X		X	X	X		
FIRE SPRINKLER FLOW SWITCH(ES)	X			X	X	X	X		X	X	X		
<b>SUPERVISORY INITIATING DEVICES</b>													
FIRE SPRINKLER TAMPER SWITCH(ES)		X		X	X							X	
HVAC DUCT SMOKE DETECTOR(S)	X	X		X	X			X		X		X	
<b>SELF-MONITORING FEATURE</b>													
COMMON FAILURE			X	X	X								X
COMMUNICATION FAILURE			X	X	X								X
WIRING/DEVICE TROUBLE			X	X	X								X



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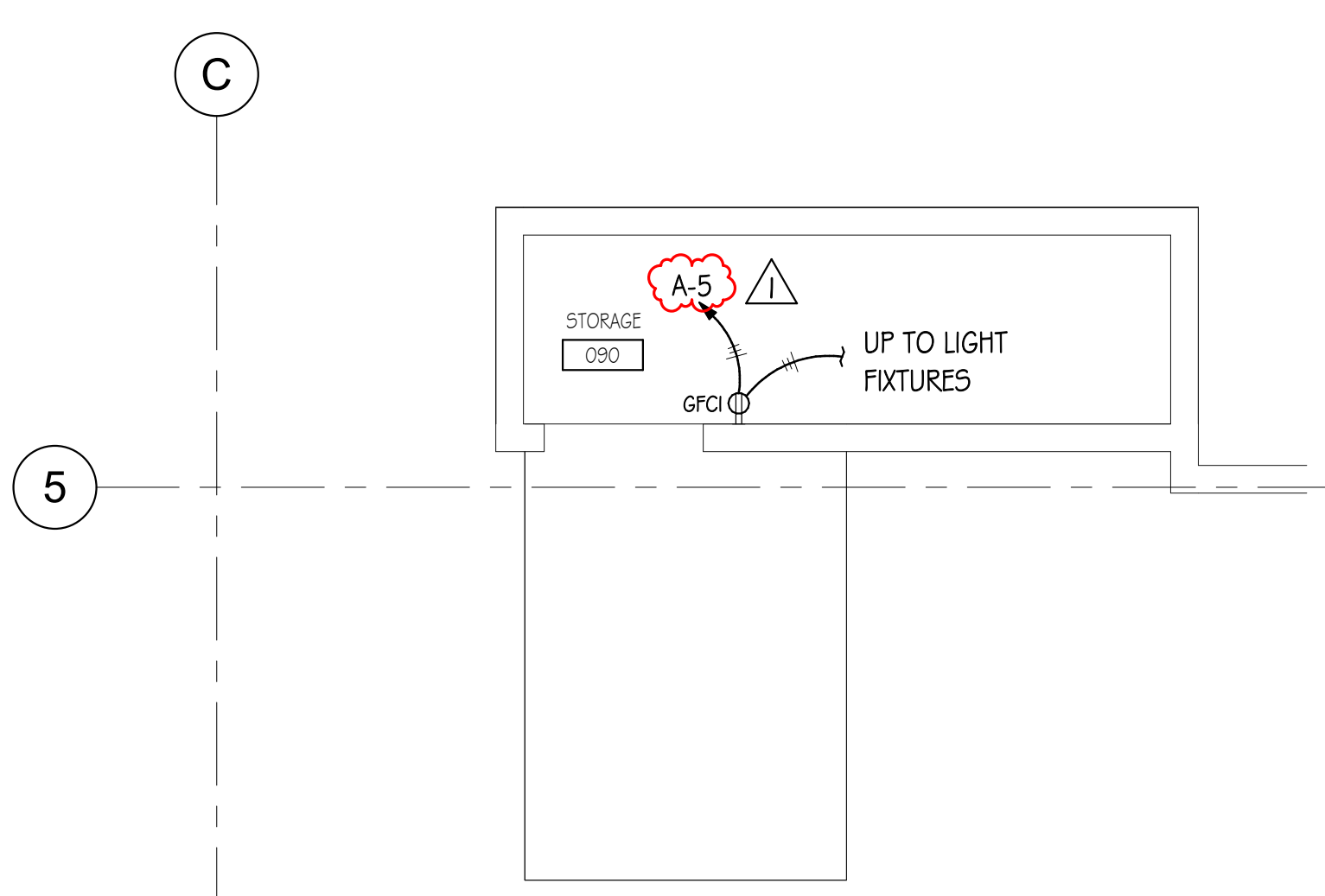
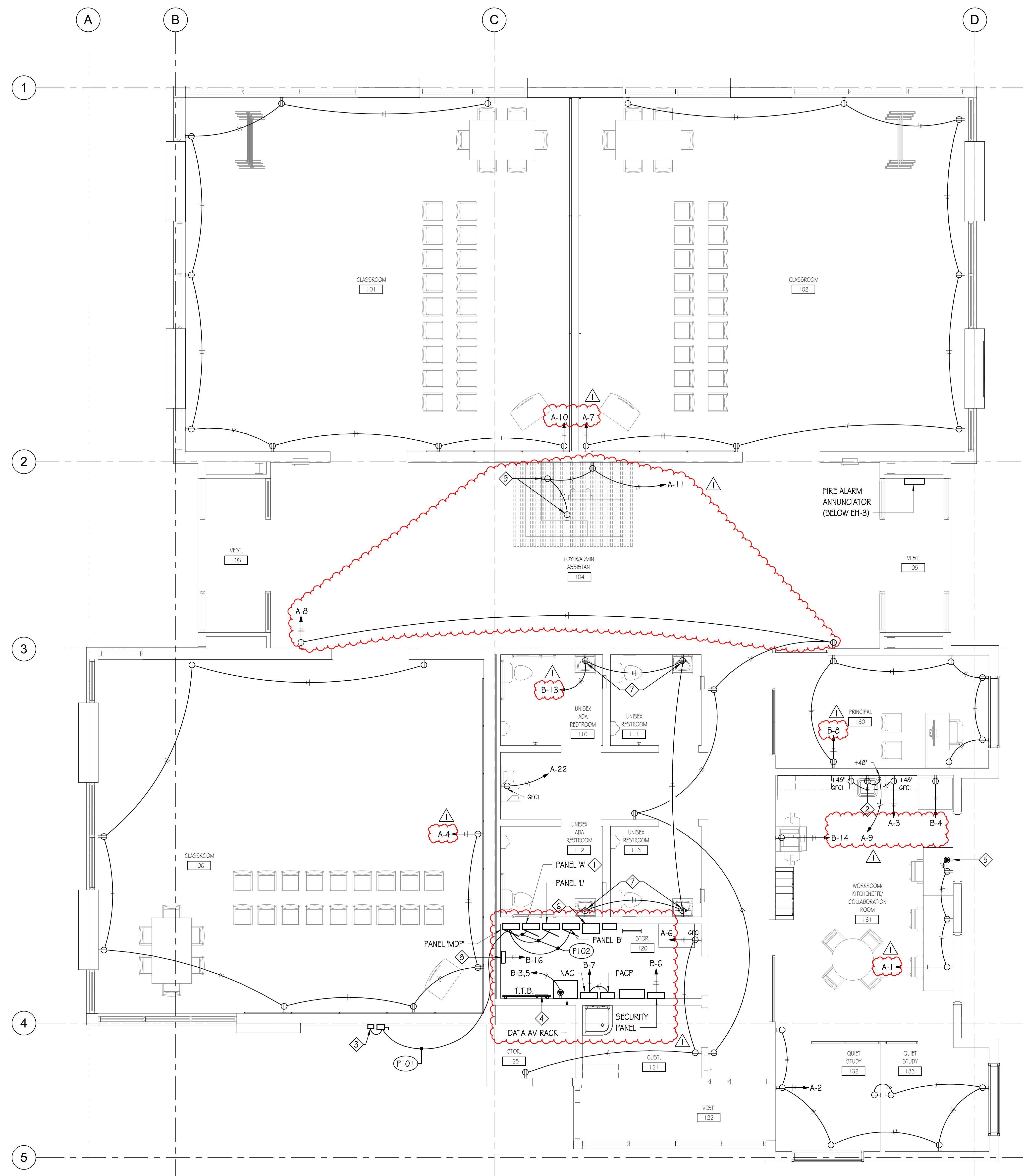
PROJECT NUMBER 24003

**ELECTRICAL SCHEDULES**

11/22/2024 3:31:15 PM

### DRAWING NOTES

NOTE	DESCRIPTION
1	PANEL TO BE TURNED ON AND OFF VIA CONTACTOR LOCATED ABOVE PANEL. CONTACTOR TO BE CONTROLLED BY THE BUILDING CONTROL SYSTEM. SEE ONE-LINE DIAGRAM.
2	RECEPTACLE LOCATED BENEATH COUNTER FOR SINK DISPOSAL.
3	MAIN ELECTRICAL METER. COORDINATE SERVICE ENTRANCE WITH ELECTRICAL UTILITY.
4	BOND GROUND BAR WITH #6 B.C. TO BUILDING GROUNDING SYSTEM.
5	SOUND SYSTEM USER INTERFACE. SEE DETAIL 1 / E-503.
6	CONTROL CABINET FOR SKYFOLD MOTOR.
7	GFCI RECEPTACLE LOCATED UNDERNEATH COUNTER FOR FAUCET POWER. COORDINATE EXACT HEIGHT WITH ARCHITECT.
8	LCBS GATEWAY. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION.
9	RECEPTACLE INSTALLED IN COUNTERTOP WALL. COORDINATE LOCATION AND HEIGHT WITH ARCHITECT.



**2 STORAGE ROOM POWER PLAN**  
 EP101 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10

**1 LEVEL 1 POWER PLAN**  
 EP101 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



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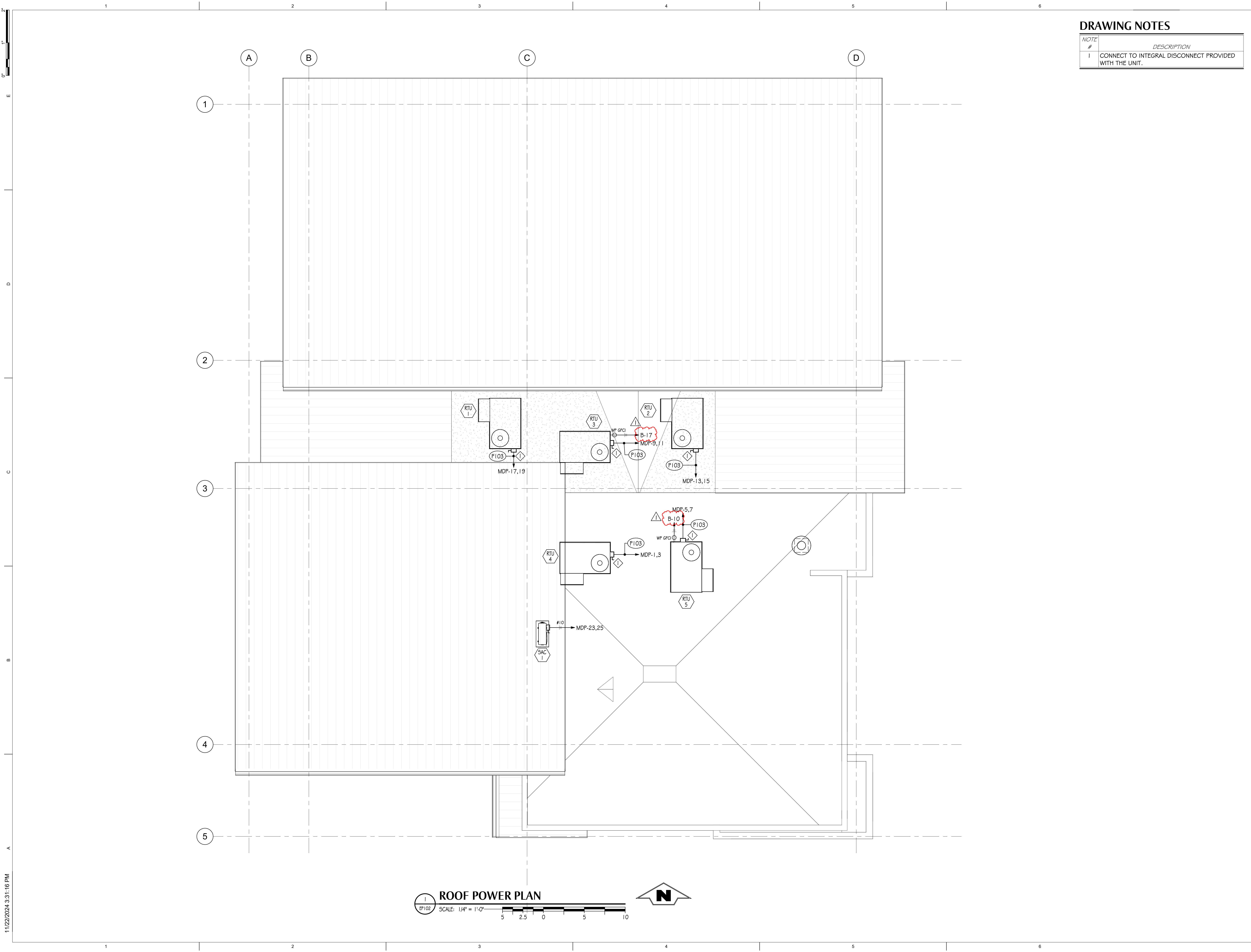
PROJECT NUMBER: 24003

**LEVEL 1  
 POWER  
 PLAN**

EP101



11/22/2024 3:31:16 PM



NOTE #	DESCRIPTION
1	CONNECT TO INTEGRAL DISCONNECT PROVIDED WITH THE UNIT.

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PROJECT NUMBER 24003

**ROOF POWER PLAN**

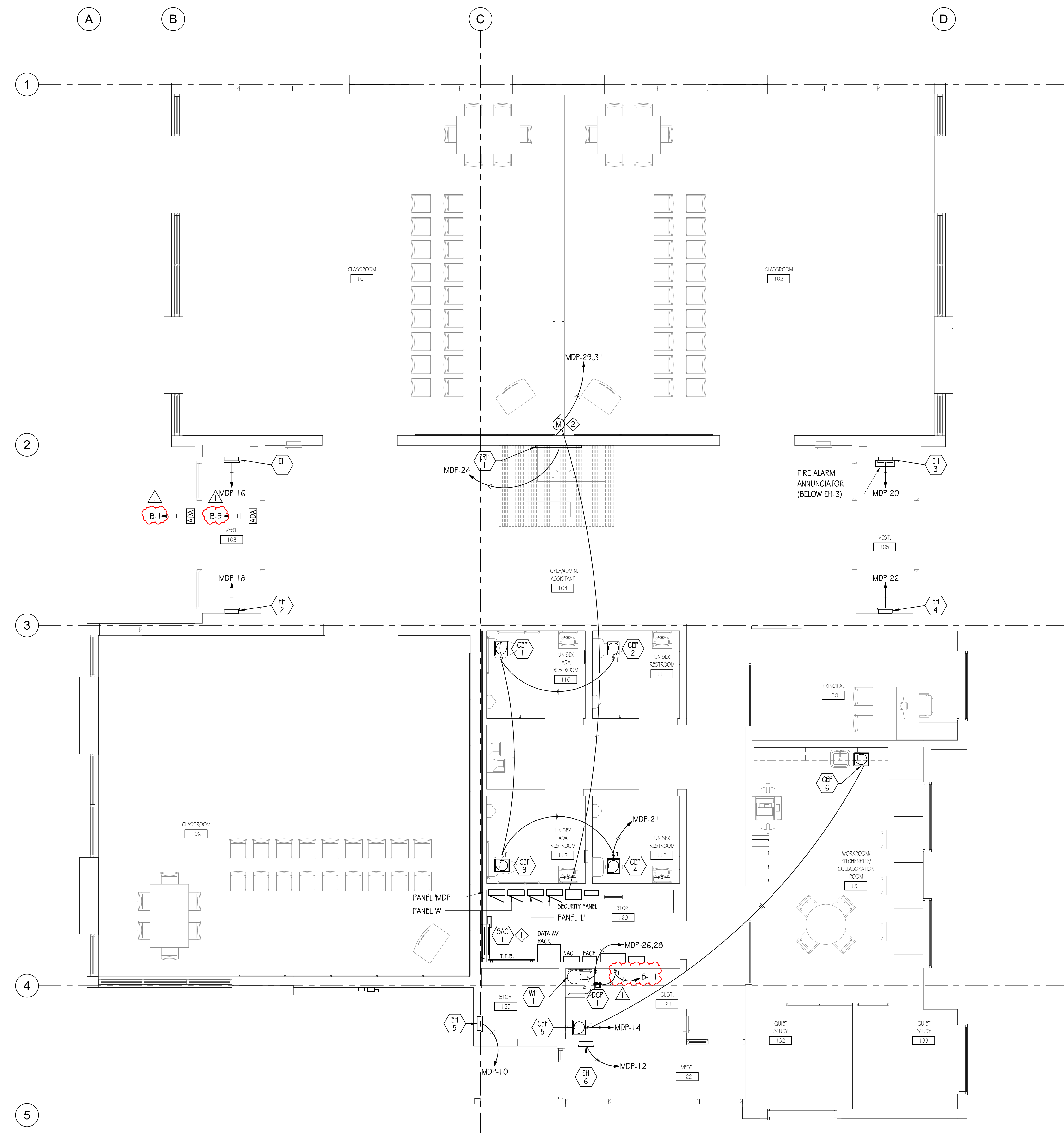
EP102

**ROOF POWER PLAN**  
 SCALE: 1/4" = 1'-0"  
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11/22/2024 3:31:17 PM

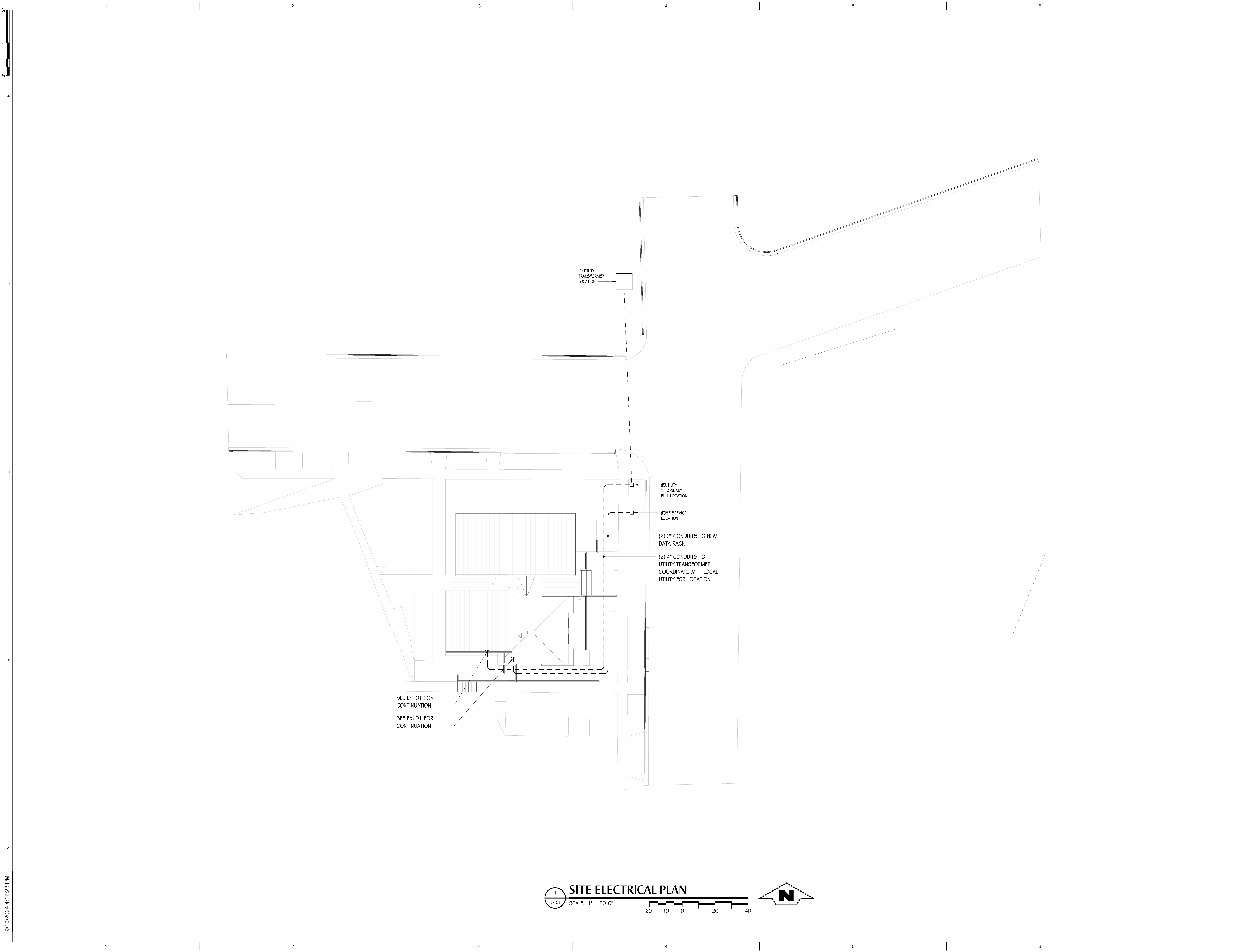
**DRAWING NOTES**

NOTE #	DESCRIPTION
1	INDOOR UNIT POWERED FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED WIRE. COORDINATE WITH MANUFACTURER REQUIREMENTS.
2	MOTOR FOR SKYFOLD DOOR. MOTOR TO BE EQUIPPED WITH AN AC INVERTOR IN THE CONTROL BOX TO ALLOW THE THREE PHASE MOTOR TO BE CONTROLLED FROM THE SINGLE PHASE POWER AVAILABLE. AC INVERTOR TO BE PROVIDED WITH DOOR AND TO BE INSTALLED BY ELECTRICAL CONTRACTOR.

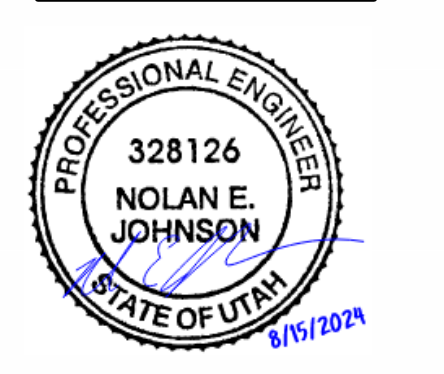
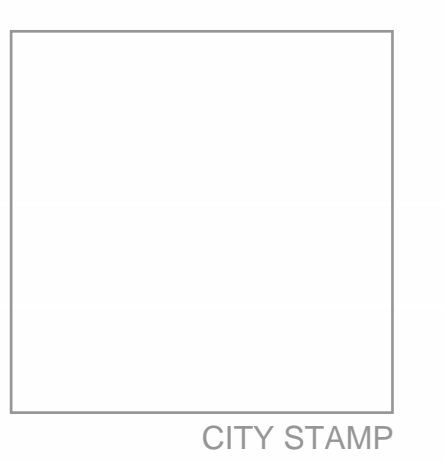
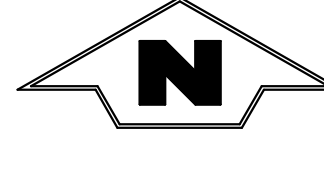


**LEVEL 1 MECHANICAL EQUIPMENT POWER PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10

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**SITE ELECTRICAL PLAN**  
 SCALE: 1" = 20'-0"



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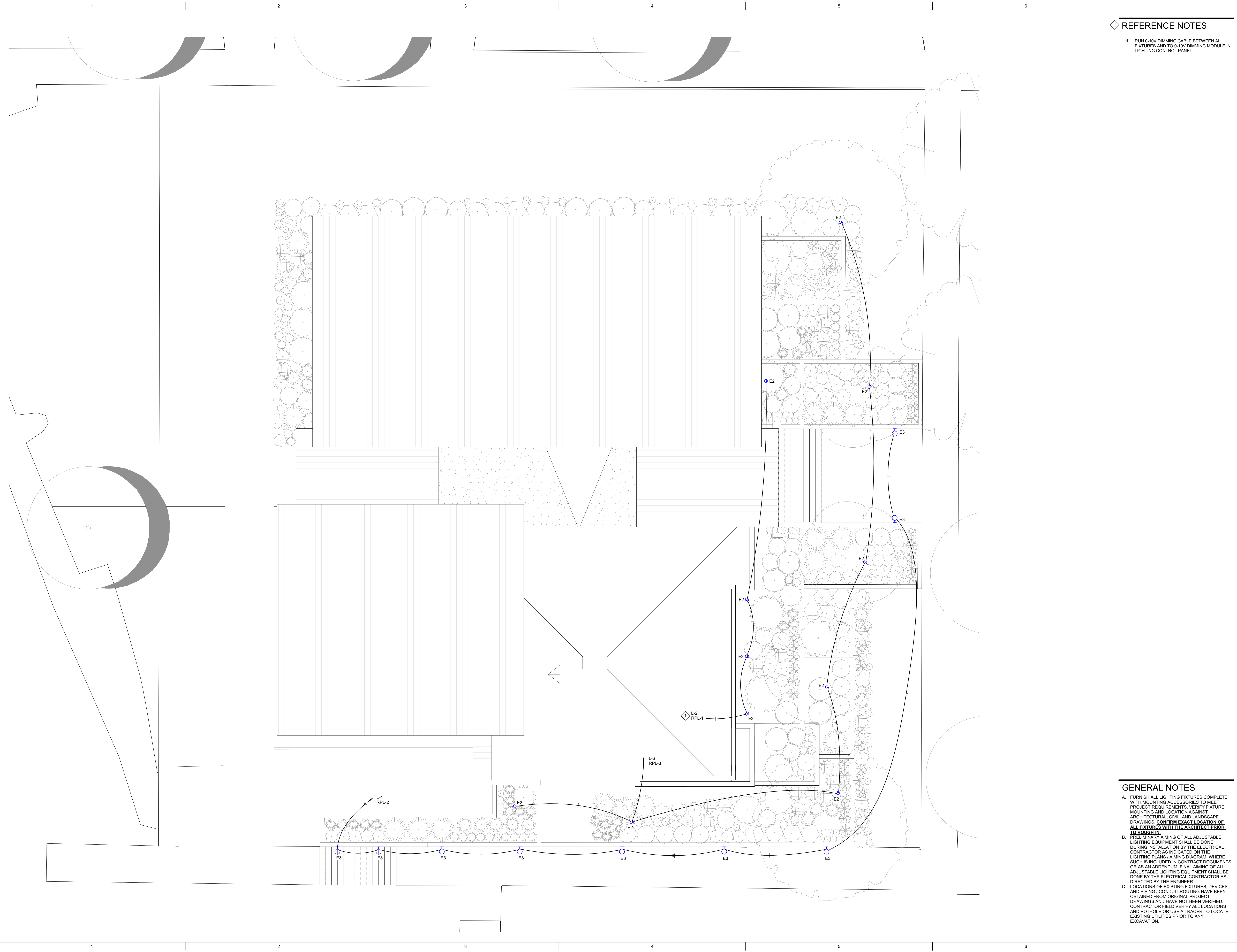
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**SITE ELECTRICAL PLAN**

ES101



9/10/2024 4:12:27 PM



◇ REFERENCE NOTES

1 RUN 0-10V DIMMING CABLE BETWEEN ALL FIXTURES AND TO 0-10V DIMMING MODULE IN LIGHTING CONTROL PANEL.

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PROFESSIONAL ENGINEER  
 328126  
 NOLAN E. JOHNSON  
 STATE OF UTAH  
 8/17/2024

DATE	REVISION

PROJECT NUMBER 24003  
**EXTERIOR LIGHTING PLAN**

EL100

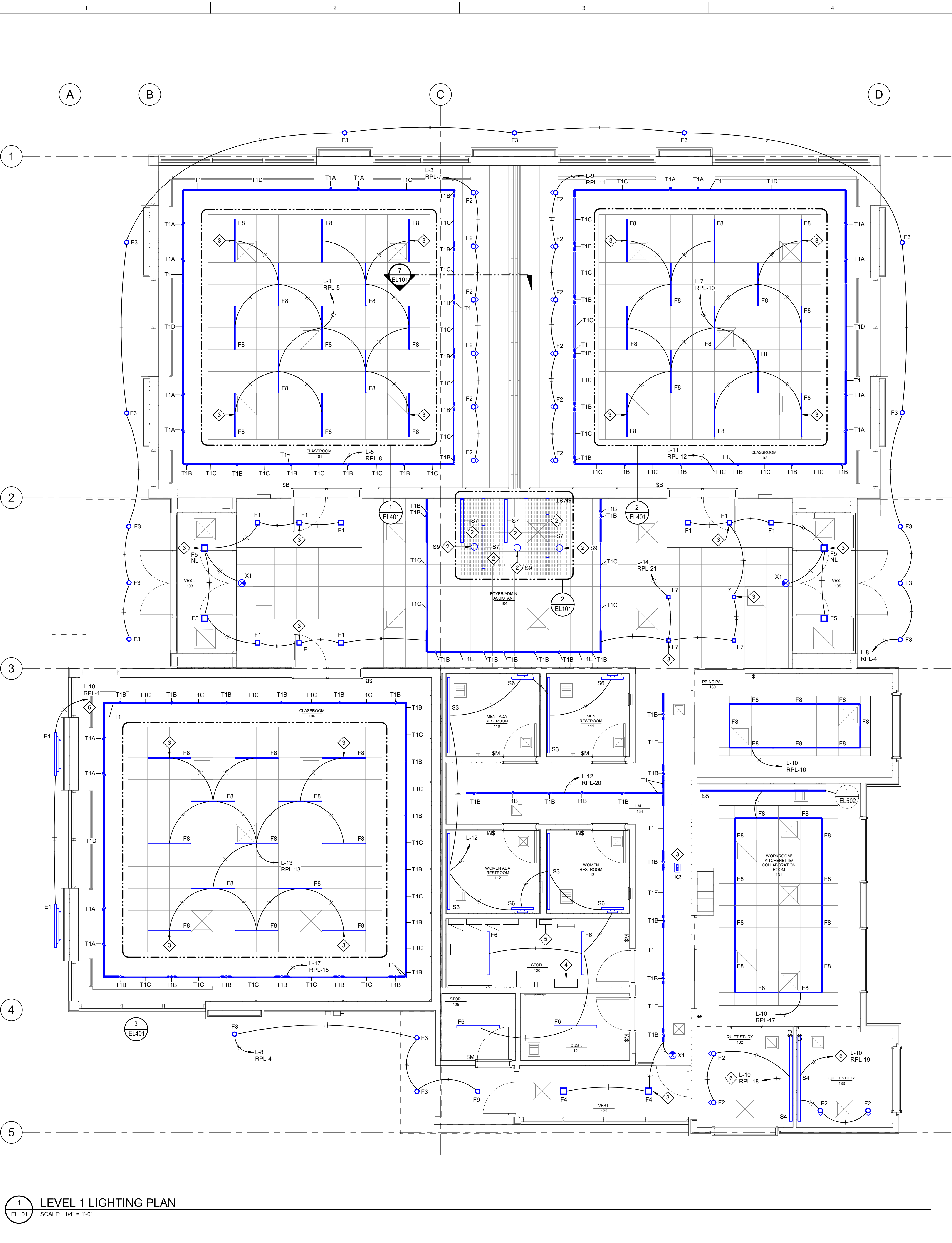
**GENERAL NOTES**

A. FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET PROJECT REQUIREMENTS. VERIFY FIXTURE MOUNTING AND LOCATION AGAINST ARCHITECTURAL, CIVIL, AND LANDSCAPE DRAWINGS. **CONFIRM EXACT LOCATION OF ALL FIXTURES WITH THE ARCHITECT PRIOR TO ROUGH-IN.**

B. PRELIMINARY AIMING OF ALL ADJUSTABLE LIGHTING EQUIPMENT SHALL BE DONE DURING INSTALLATION BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE LIGHTING PLANS / AIMING DIAGRAM, WHERE SUCH IS INCLUDED IN CONTRACT DOCUMENTS OR AS AN ADDENDUM. FINAL AIMING OF ALL ADJUSTABLE LIGHTING EQUIPMENT SHALL BE DONE BY THE ELECTRICAL CONTRACTOR AS DIRECTED BY THE ENGINEER.

C. LOCATIONS OF EXISTING FIXTURES, DEVICES, AND PIPING / CONDUIT ROUTING HAVE BEEN OBTAINED FROM ORIGINAL PROJECT DRAWINGS AND HAVE NOT BEEN VERIFIED. CONTRACTOR FIELD VERIFY ALL LOCATIONS AND POTHOLES OR USE A TRACER TO LOCATE EXISTING UTILITIES PRIOR TO ANY EXCAVATION.

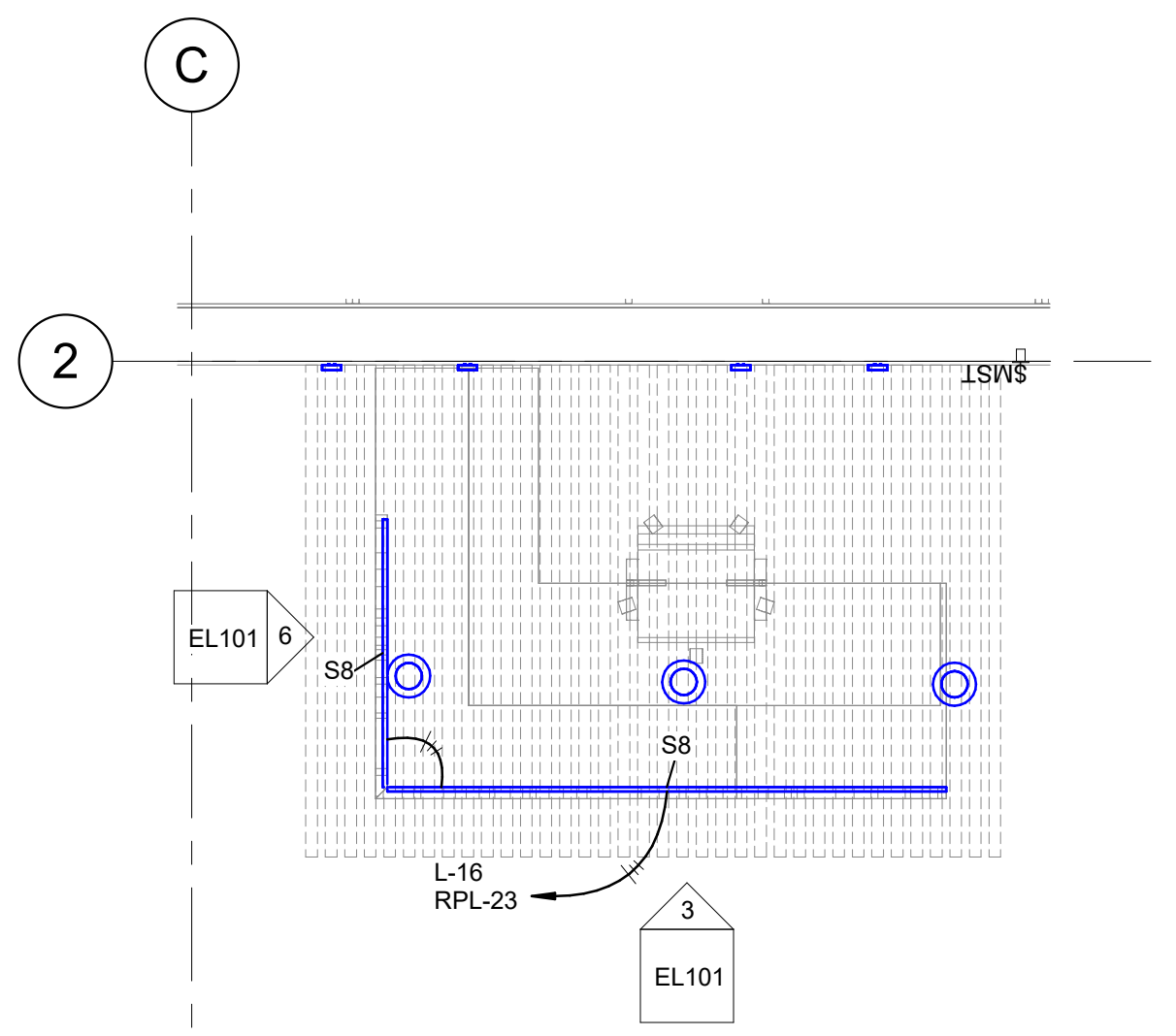
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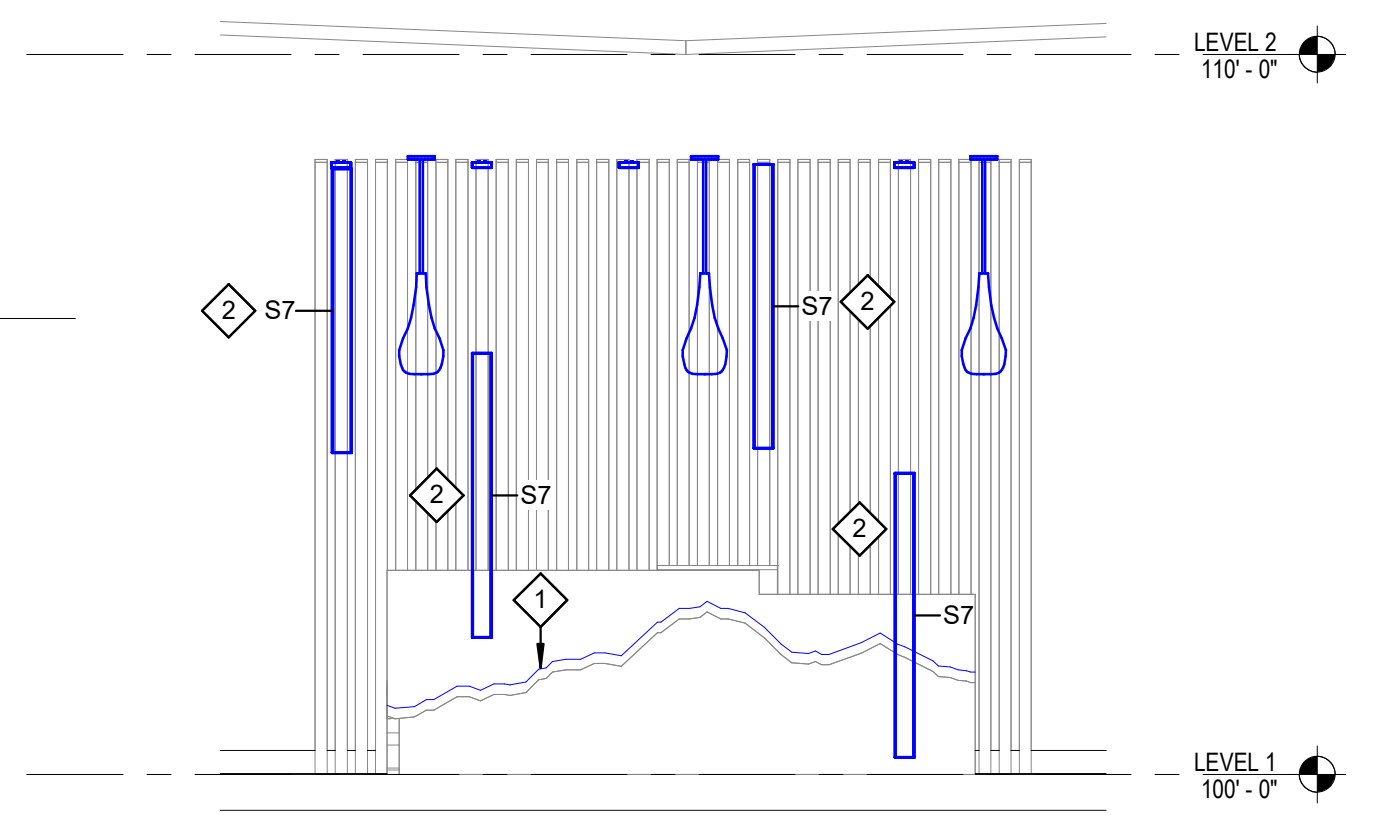
**1 LEVEL 1 LIGHTING PLAN**  
 EL101 SCALE: 1/4" = 1'-0"

**REFERENCE NOTES**

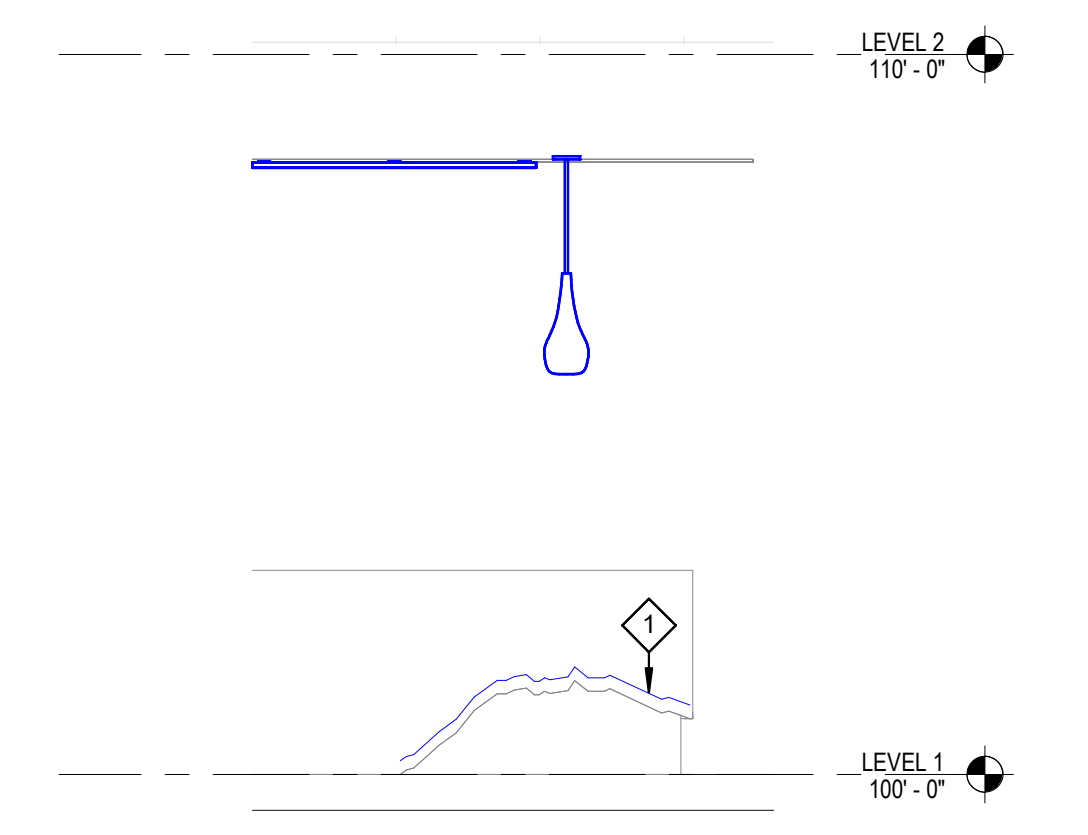
1. INSTALL TAPE LIGHT IN RECESS TO MATCH MOUNTAIN SHAPE. LOCATE DRIVER(S), DIMMER, AND OTHER RELATED EQUIPMENT UNDER DESK--COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
2. CONNECT TO CIRCUIT L-16 & RPL-22. UPON POWER LOSS, LIGHTS SHALL BE MANUALLY OVERRIDDEN TO FULL-ON VIA UL924 DEVICE. COORDINATE EXACT LOCATION OF DEVICE WITH ARCHITECT.
3. 750KVA EMERGENCY LIGHTING INVERTER. MEYERS LV-4R OR EQUAL.
4. LIGHTING CONTROL PANEL 'RPL'.
5. RUN 0-10V DIMMING CABLE BETWEEN ALL FIXTURES AND TO 0-10V DIMMING MODULE IN LIGHTING CONTROL PANEL.



**2 ADMIN. ASSISTANT DESK**  
 EL101 SCALE: 3/8" = 1'-0"

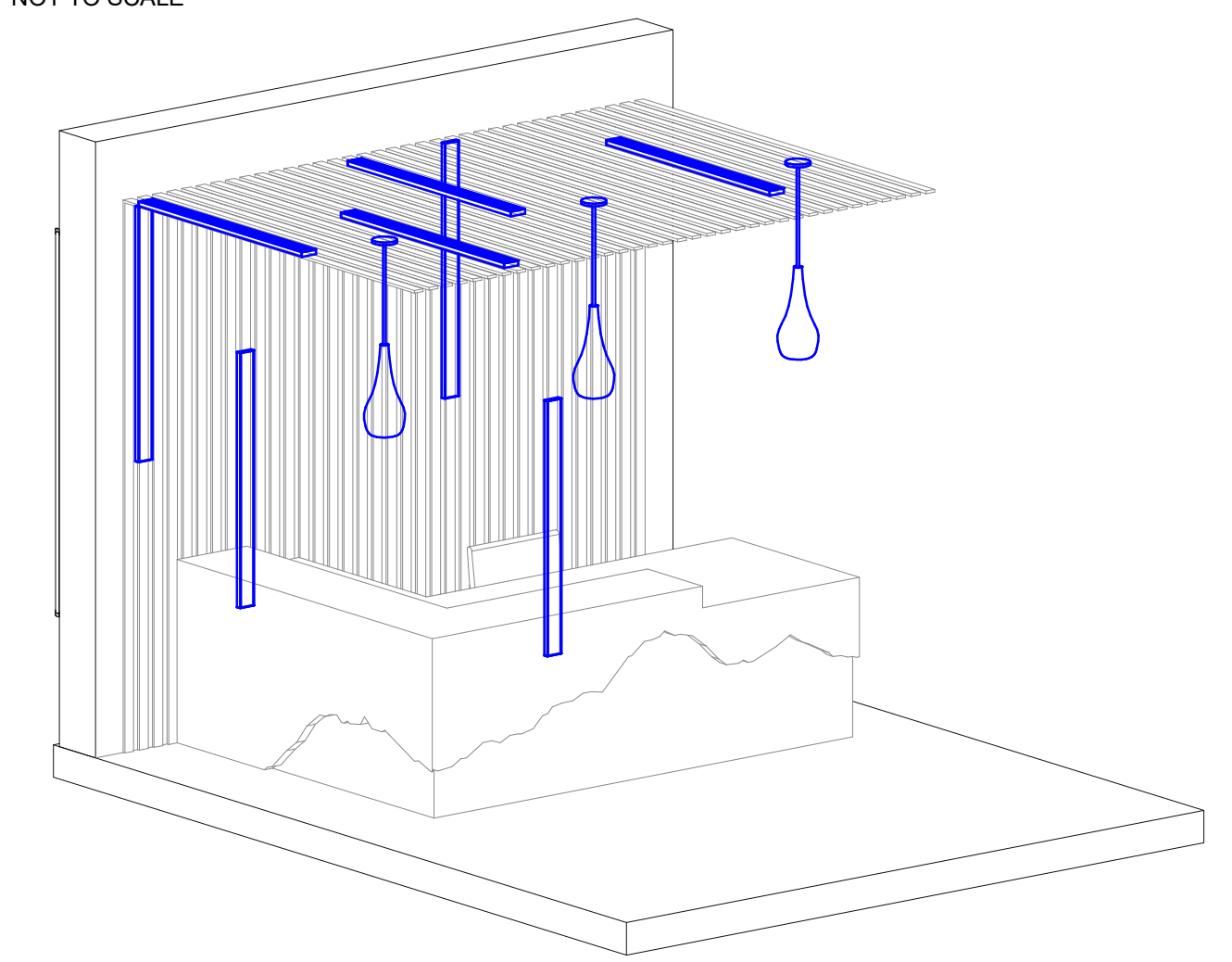


**3 ADMIN. ASSISTANT DESK ELEVATION - SOUTH**  
 EL101 SCALE: 3/8" = 1'-0"



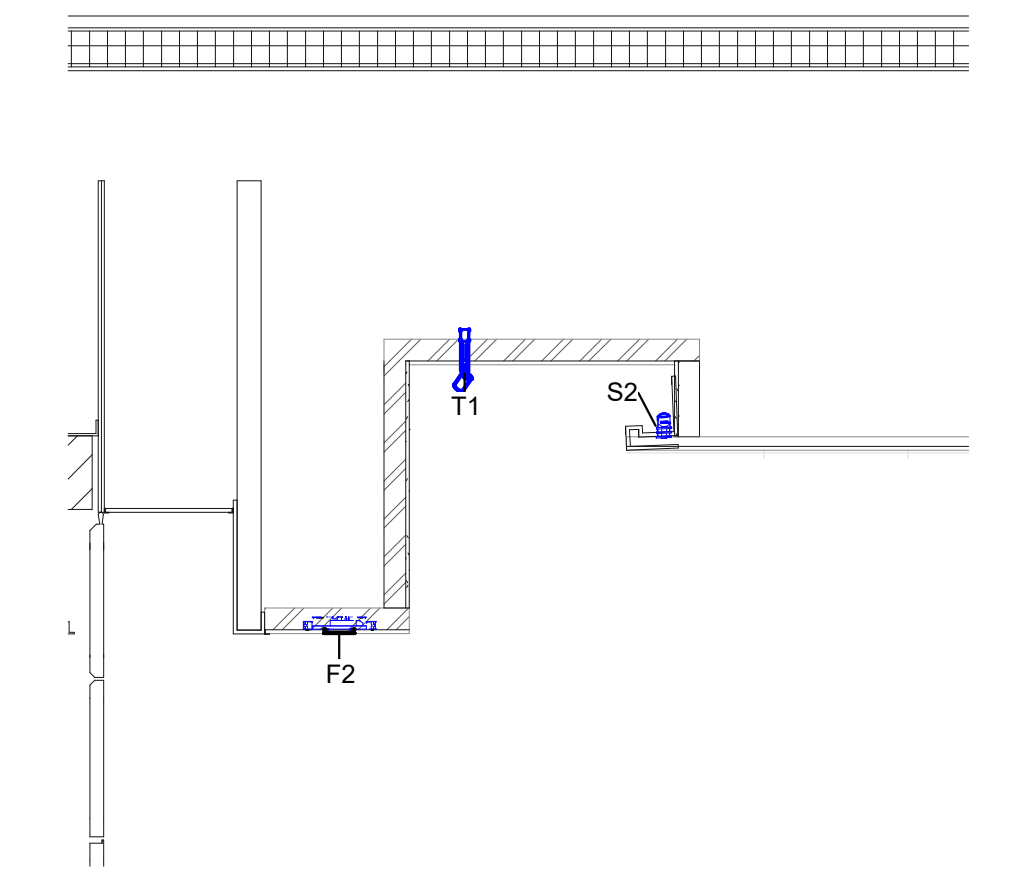
**6 ADMIN. ASSISTANT DESK ELEVATION - WEST**  
 EL101 SCALE: 3/8" = 1'-0"

**4 ADMIN. ASSISTANT DESK AXONOMETRIC**  
 EL101 NOT TO SCALE



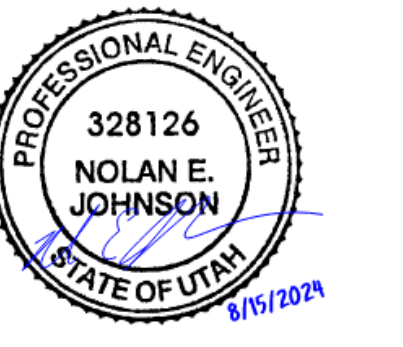
**5 ADMIN. ASSISTANT DESK AXONOMETRIC**  
 EL101 NOT TO SCALE

**7 CLASSROOM CLNG SECTION**  
 EL101 SCALE: 3/8" = 1'-0"



**LEGEND**

- NEW LIGHT FIXTURE  
SEE LIGHTING FIXTURE SCHEDULE. SHADING INDICATES EMERGENCY FIXTURE.
- RETROFIT LIGHT FIXTURE  
SEE LIGHTING FIXTURE SCHEDULE. SHADING INDICATES EMERGENCY FIXTURE.
- DECORATIVE LIGHT FIXTURE  
SPECIFIED BY ARCHITECT. SEE LAMPING SCHEDULE FOR ELECTRICAL INFORMATION.
- EXISTING LIGHT FIXTURE TO REMAIN

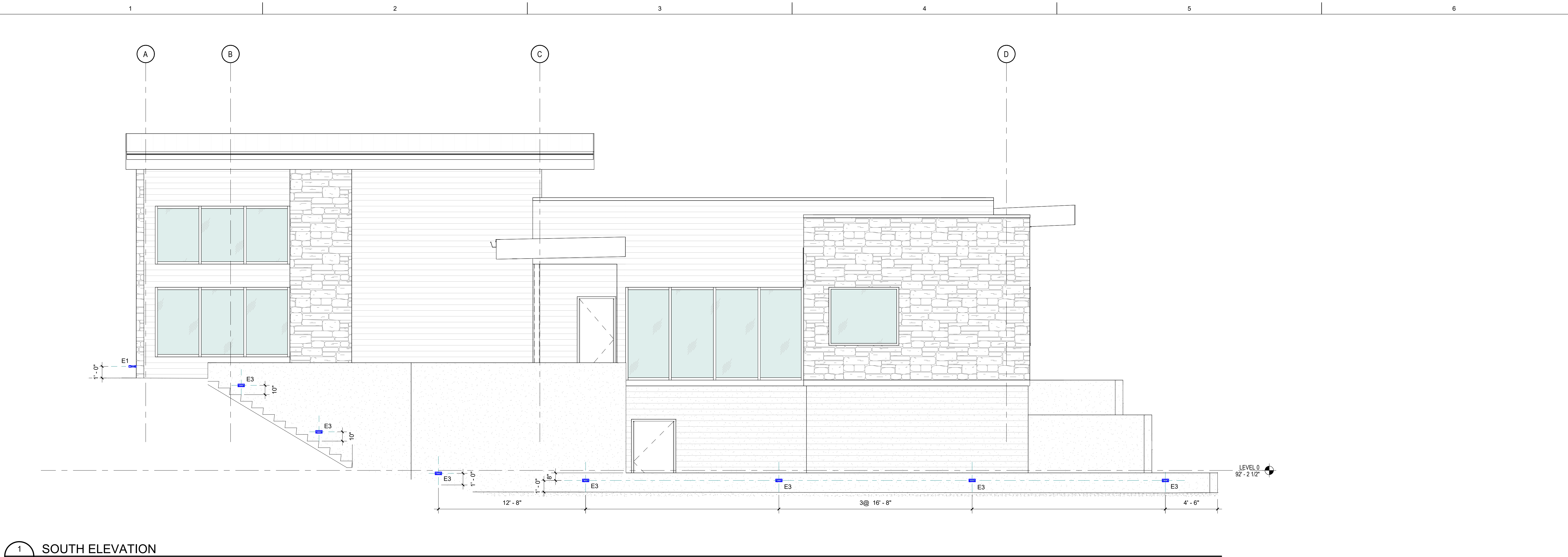


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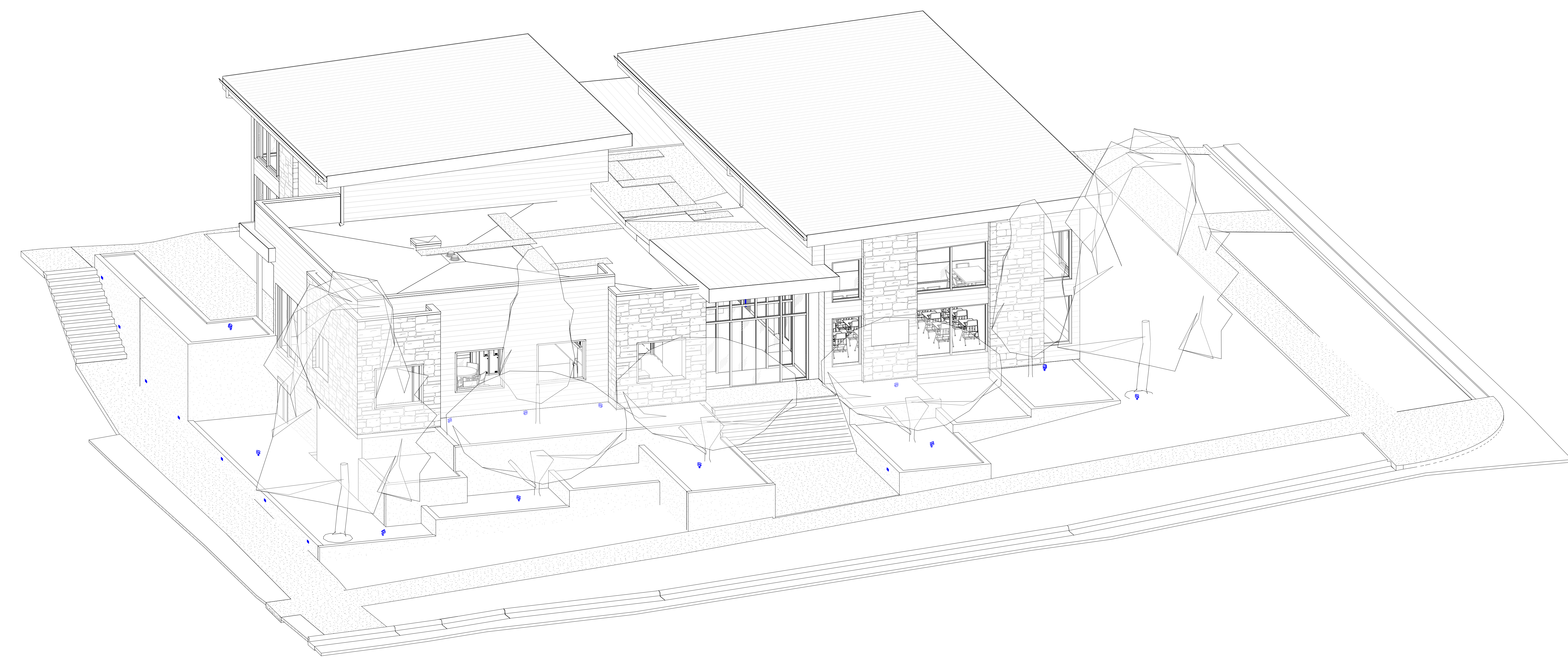
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**LEVEL 1 LIGHTING PLAN**

9/10/2024 4:12:47 PM



1 SOUTH ELEVATION  
 EL301 SCALE: 1/4" = 1'-0"



2 EXTERIOR LIGHTING AXONOMETRIC  
 EL301 NOT TO SCALE

REFERENCE NOTES

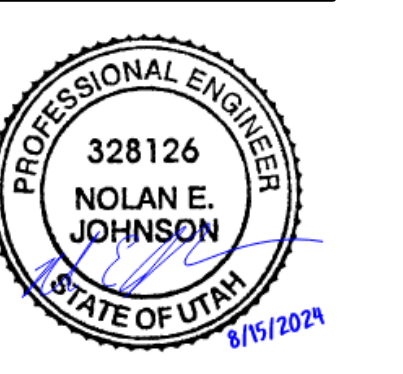
GENERAL NOTES

- A. FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET PROJECT REQUIREMENTS. VERIFY FIXTURE MOUNTING AND LOCATION AGAINST ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS. **CONFIRM EXACT LOCATION OF ALL FIXTURES WITH THE ARCHITECT PRIOR TO ROUGH-IN.**
- B. PRELIMINARY AIMING OF ALL ADJUSTABLE LIGHTING EQUIPMENT SHALL BE DONE DURING INSTALLATION BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE LIGHTING PLANS / AIMING DIAGRAM. WHERE SUCH IS INCLUDED IN CONTRACT DOCUMENTS OR AS AN ADDENDUM, FINAL AIMING OF ALL ADJUSTABLE LIGHTING EQUIPMENT SHALL BE DONE BY THE ELECTRICAL CONTRACTOR AS DIRECTED BY THE ENGINEER.
- C. LOCATIONS OF EXISTING FIXTURES, DEVICES, AND PIPING / CONDUIT ROUTING HAVE BEEN OBTAINED FROM ORIGINAL PROJECT DRAWINGS AND HAVE NOT BEEN VERIFIED. CONTRACTOR FIELD VERIFY ALL LOCATIONS AND POT HOLE OR USE A TRACER TO LOCATE EXISTING UTILITIES PRIOR TO ANY EXCAVATION.



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**EXTERIOR LIGHTING ELEVATIONS**



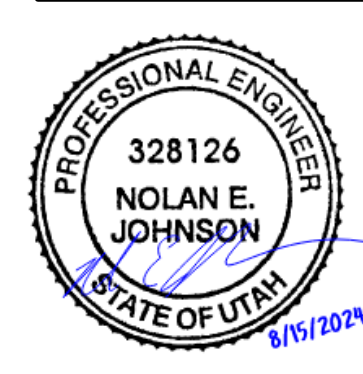
**1 LEVEL 1 LIGHTING CONTROL PLAN**  
 EL201 SCALE: 1/4" = 1'-0"

**LIGHTING CONTROL LEGEND**

Room Name	LC-#: CONTROL TYPE
Room #	SEE LIGHTING CONTROL MATRIX
LC-#	ZONE: CONTROL ZONE
	SEE RELAY PANEL SCHEDULE



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**LEVEL 1 LIGHTING CONTROL PLAN**

EL201

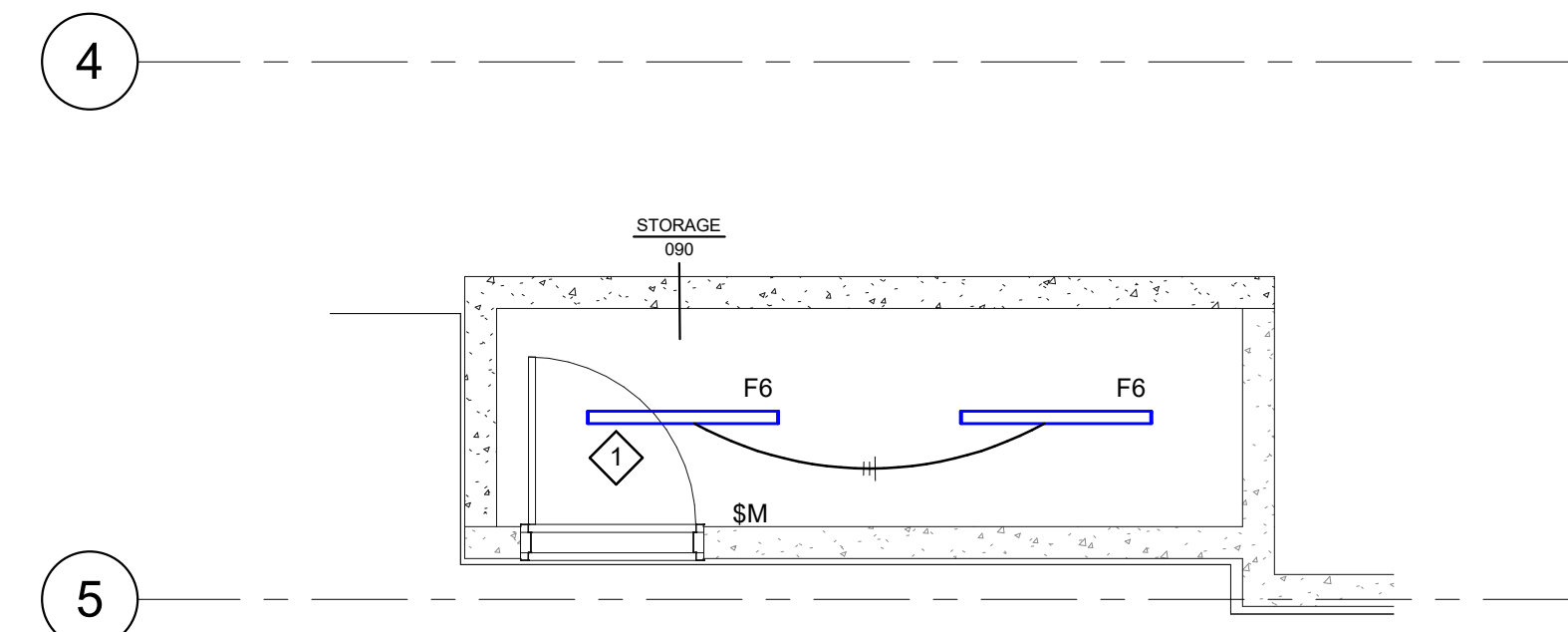
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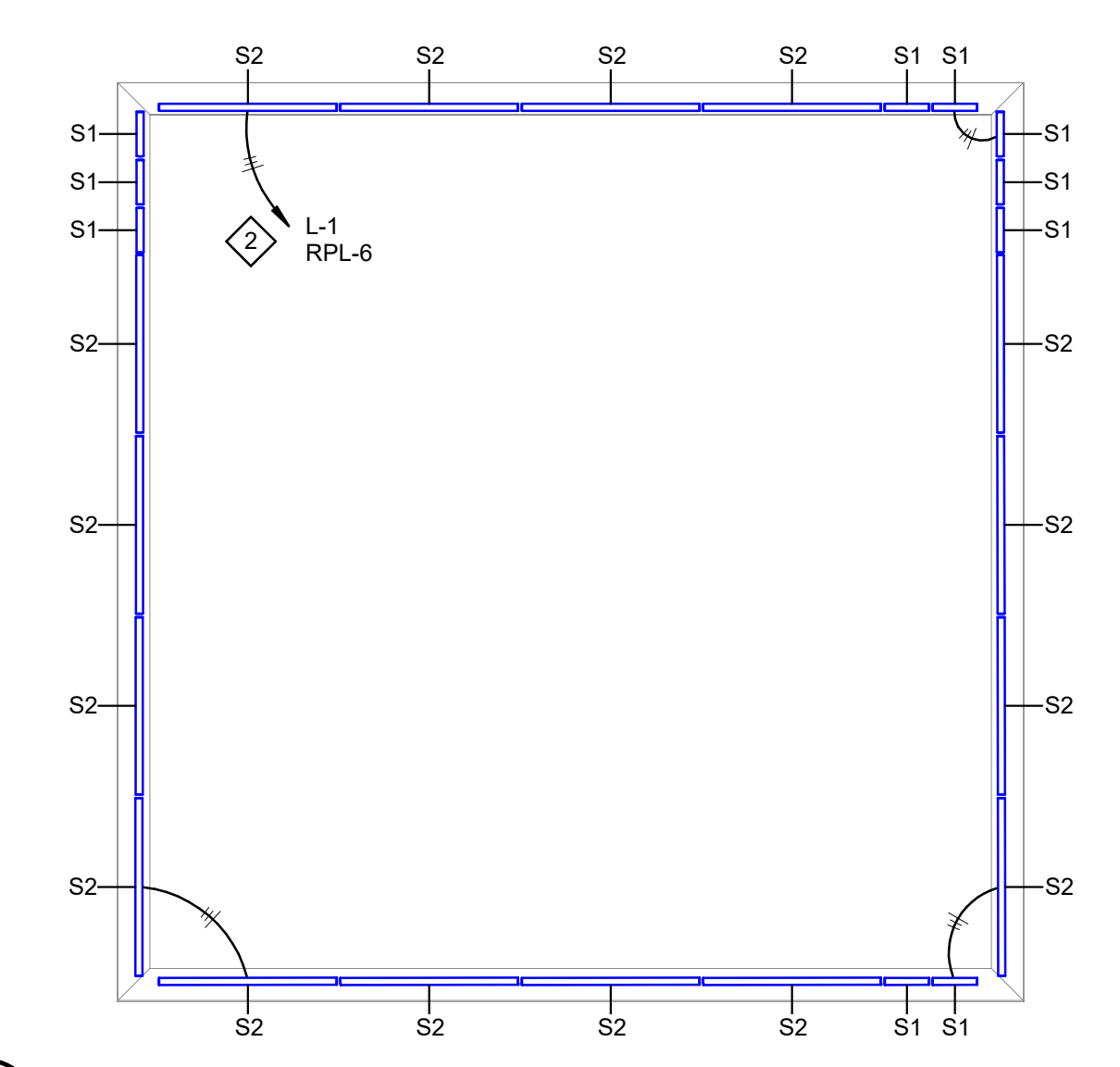
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REFERENCE NOTES

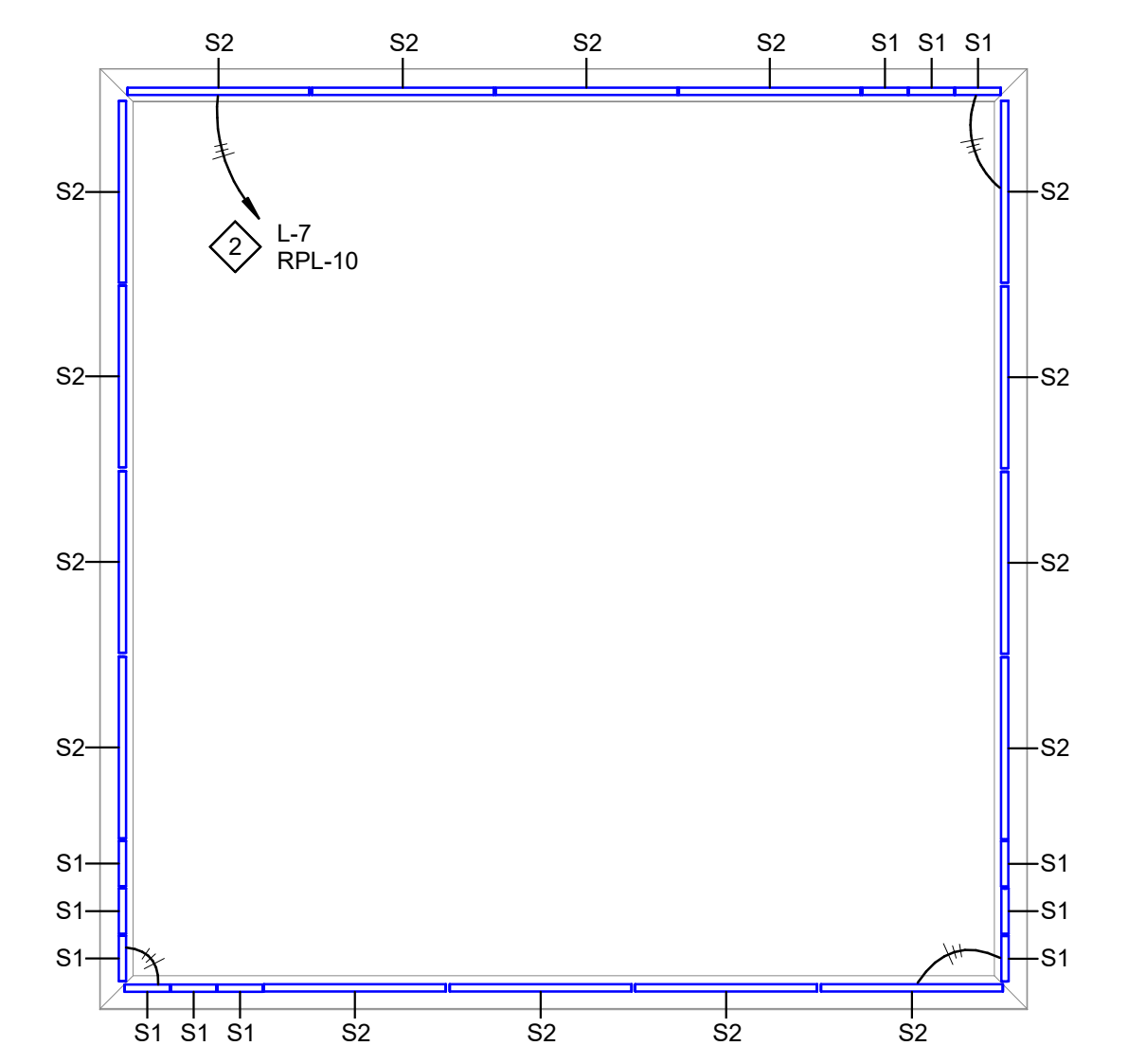
- 1 CONNECT TO RECEPTACLE—SEE POWER PLAN.
- 2 RUN 0-10V DIMMING CABLE BETWEEN ALL FIXTURES AND TO 0-10V DIMMING MODULE IN LIGHTING CONTROL PANEL.



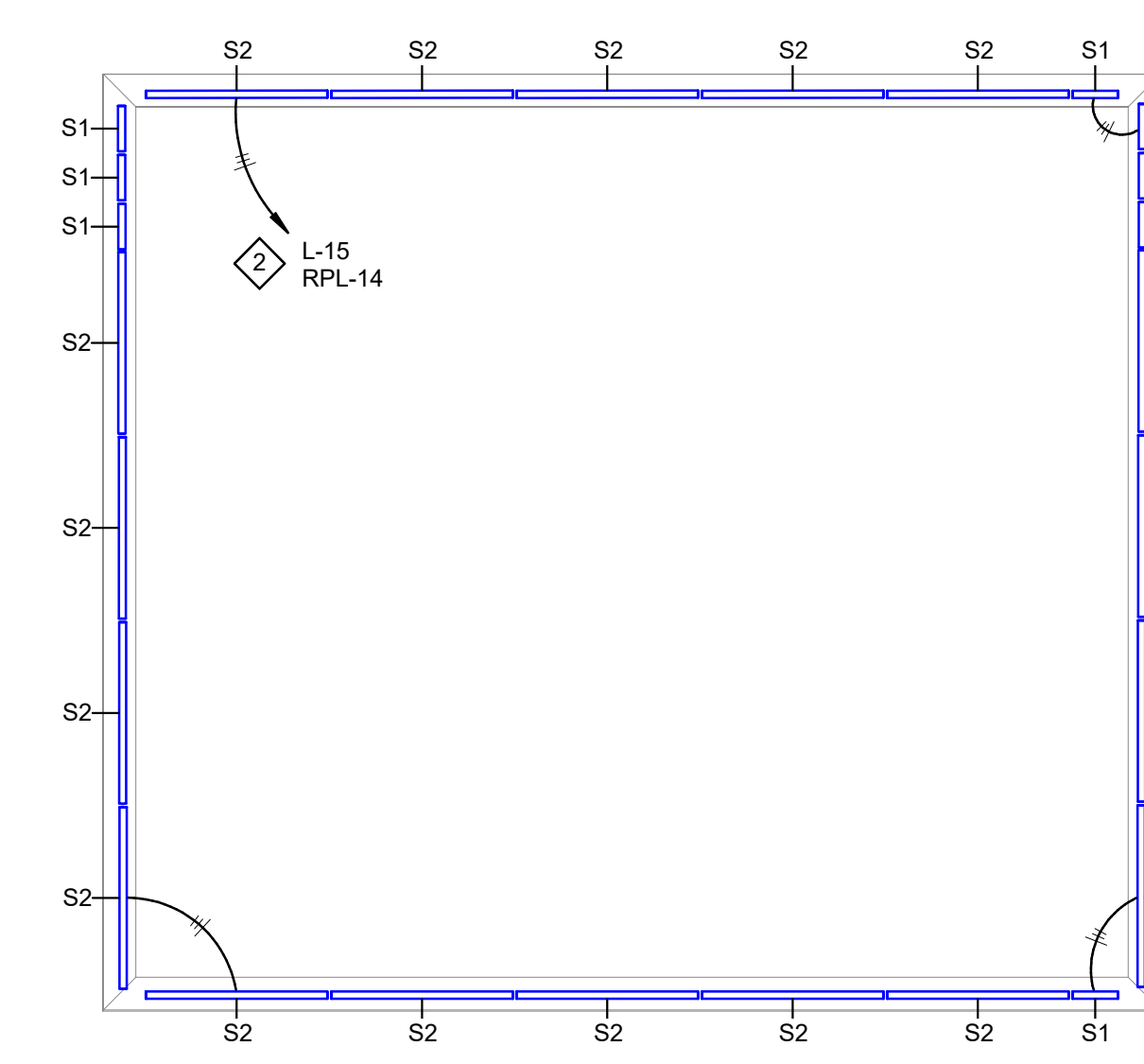
4 STORAGE 090 LIGHTING PLAN  
EL401 SCALE: 1/4" = 1'-0"



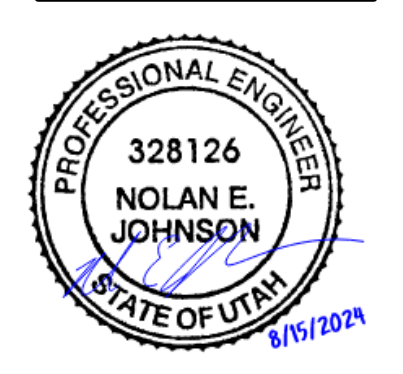
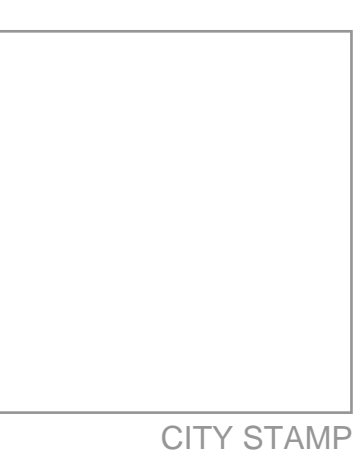
1 CLASSROOM 101 COVE LIGHTING  
EL401 SCALE: 1/4" = 1'-0"



2 CLASSROOM 102 COVE LIGHTING  
EL401 SCALE: 1/4" = 1'-0"



3 CLASSROOM 106 COVE LIGHTING  
EL401 SCALE: 1/4" = 1'-0"

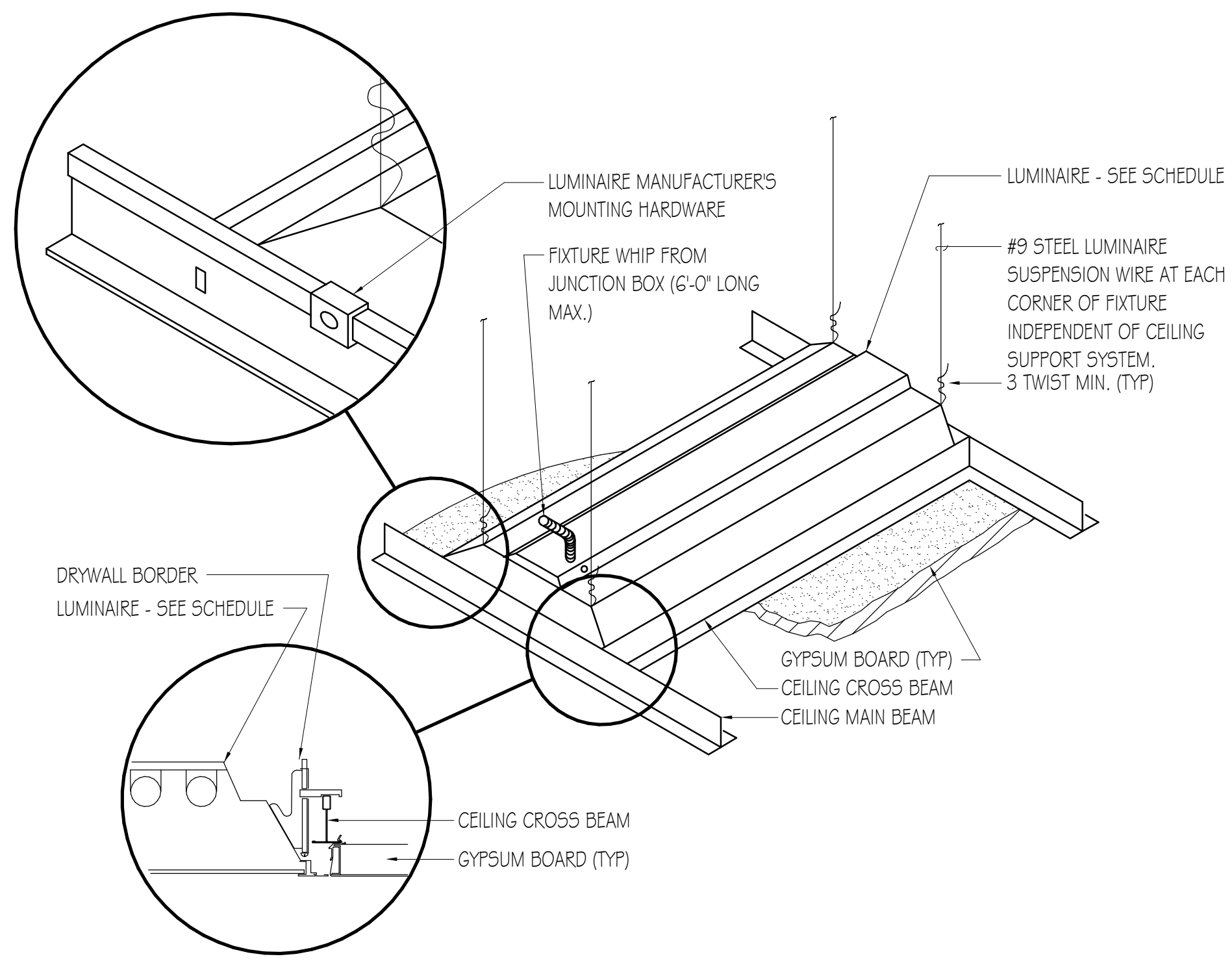


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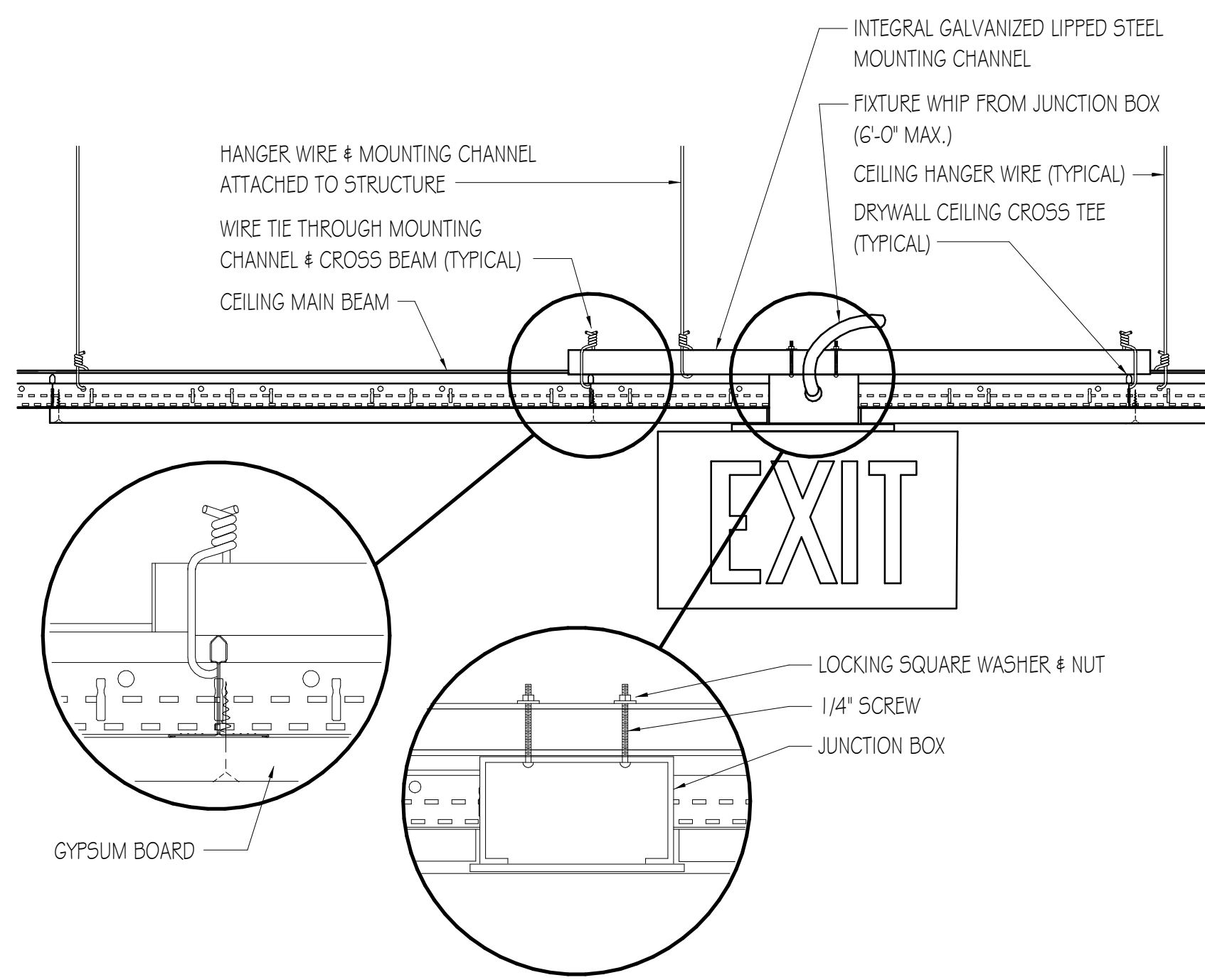
PROJECT NUMBER 24003

LEVEL 1 ENLARGED LIGHTING PLAN

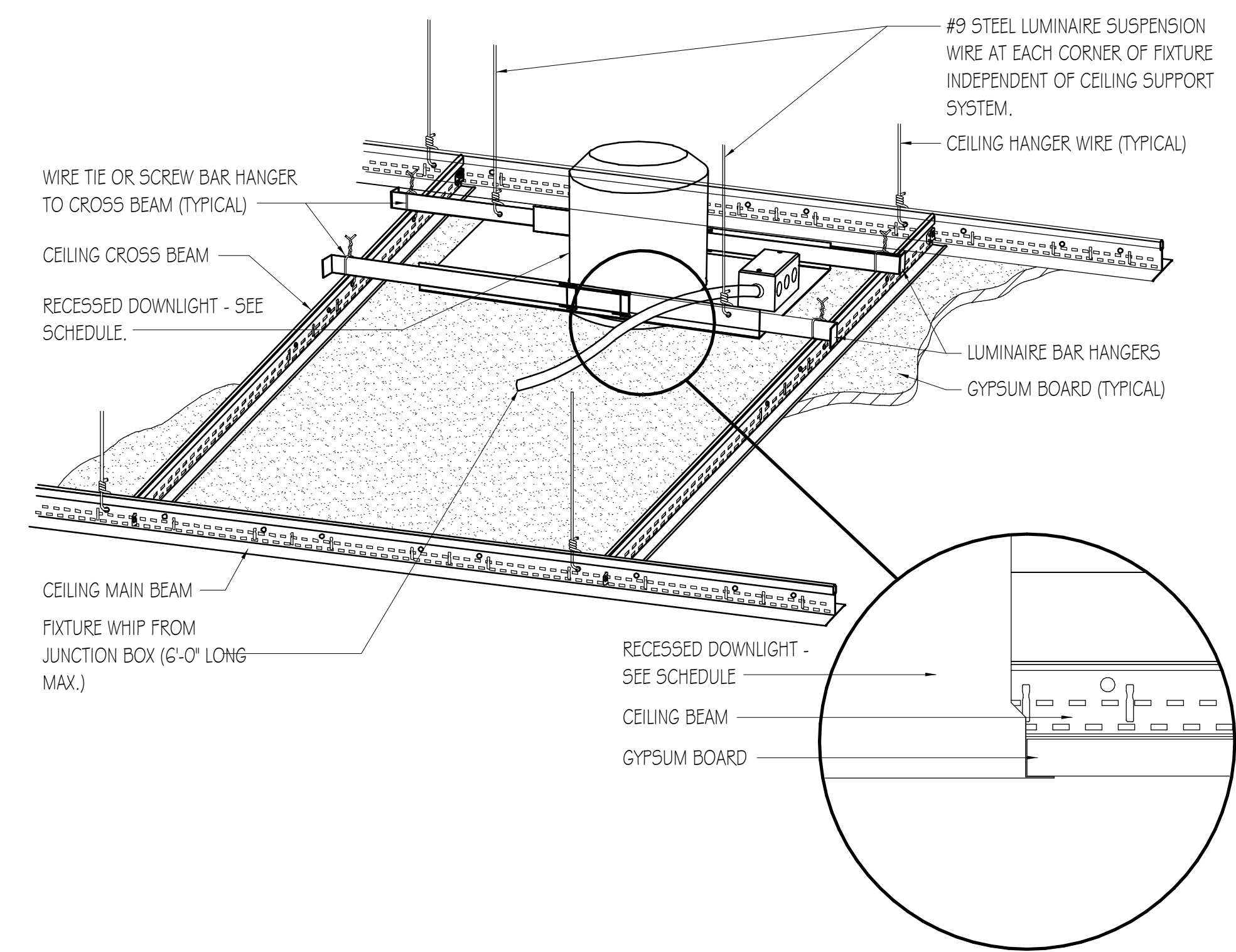
EL401



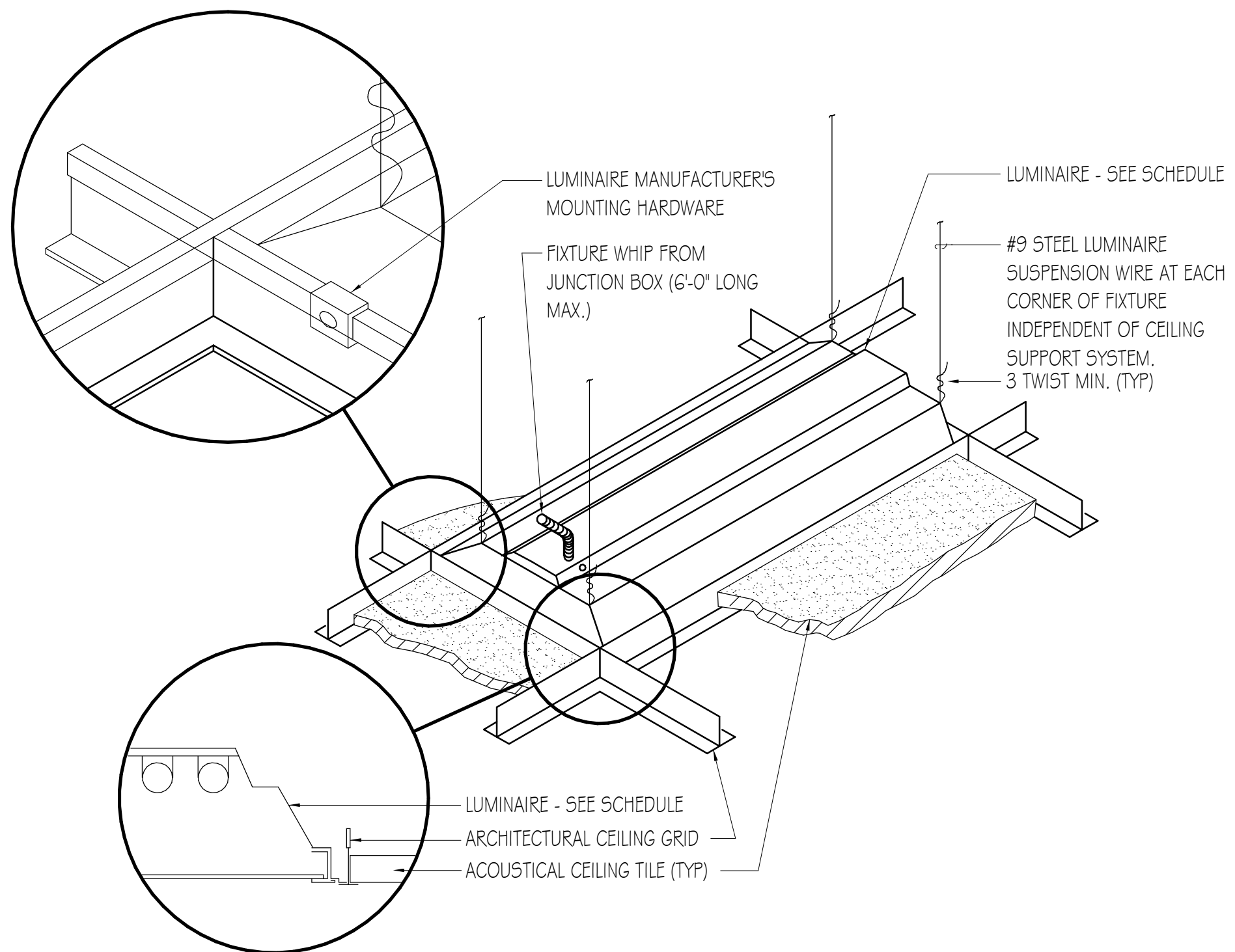
**6 LUMINAIRE MOUNTING - GYPBOARD CEILING**  
EL501 NOT TO SCALE



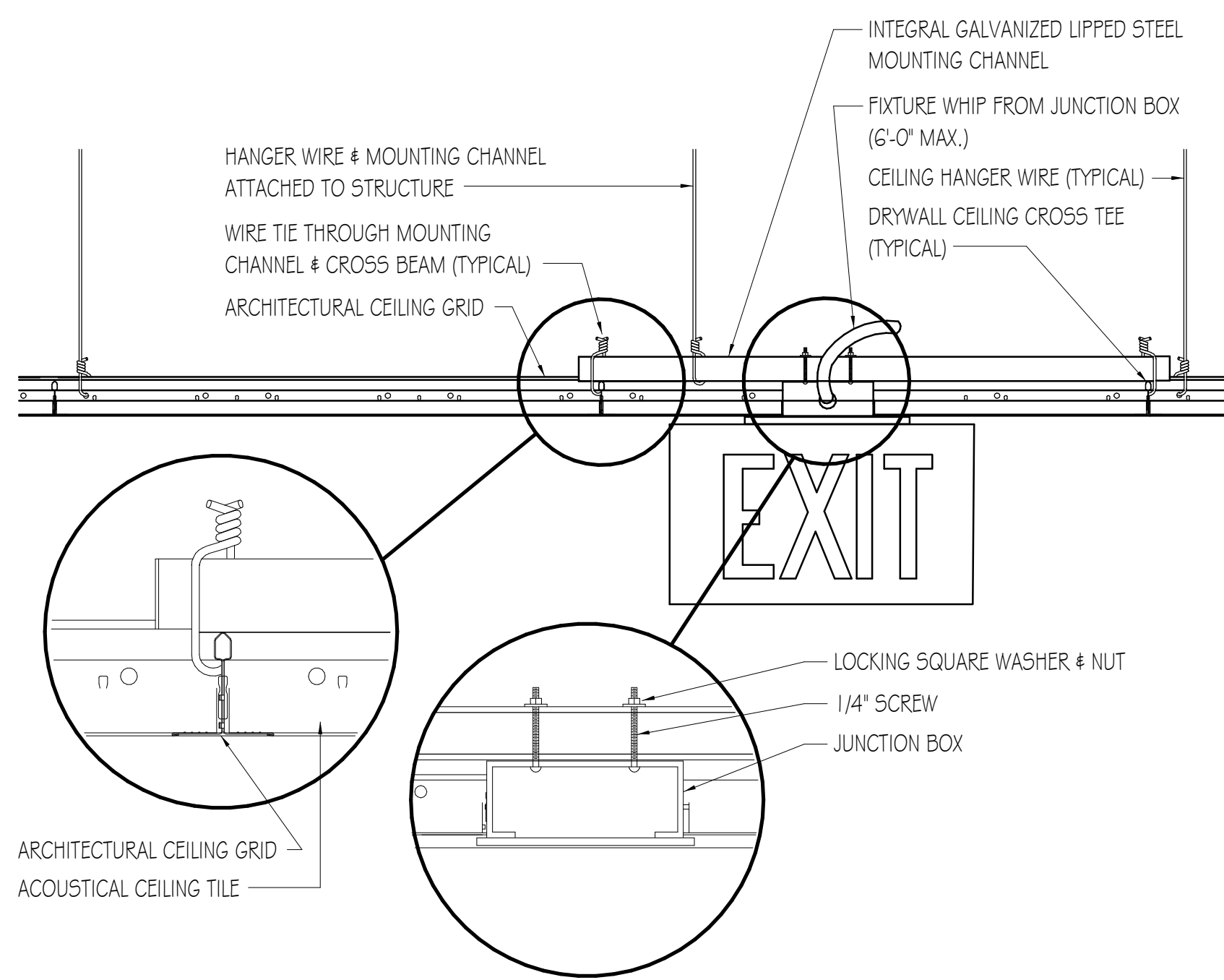
**3 EXIT SIGN MOUNTING - GYPBOARD CEILING**  
EL501 NOT TO SCALE



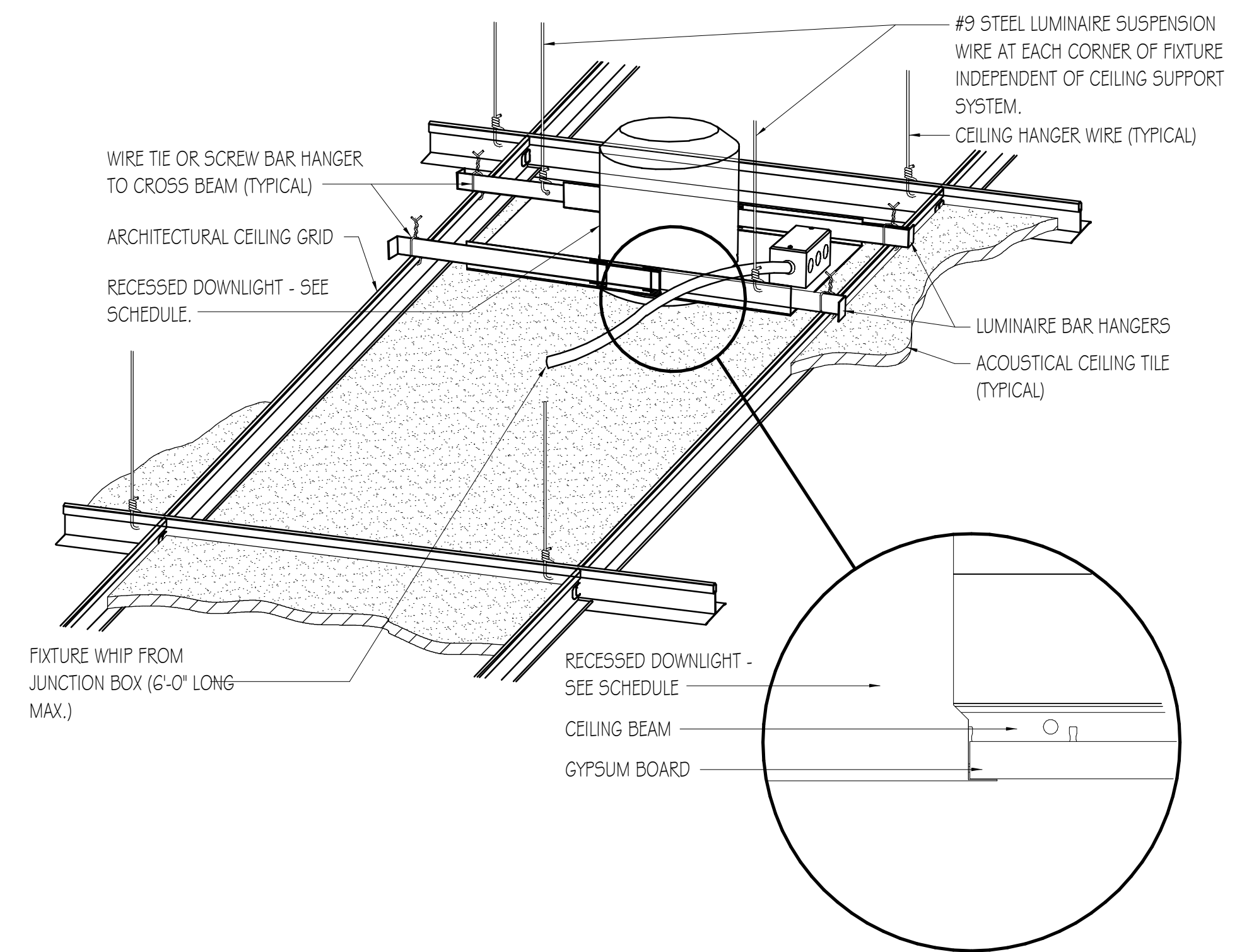
**1 DOWNLIGHT MOUNTING - GYPBOARD CEILING**  
EL501 NOT TO SCALE



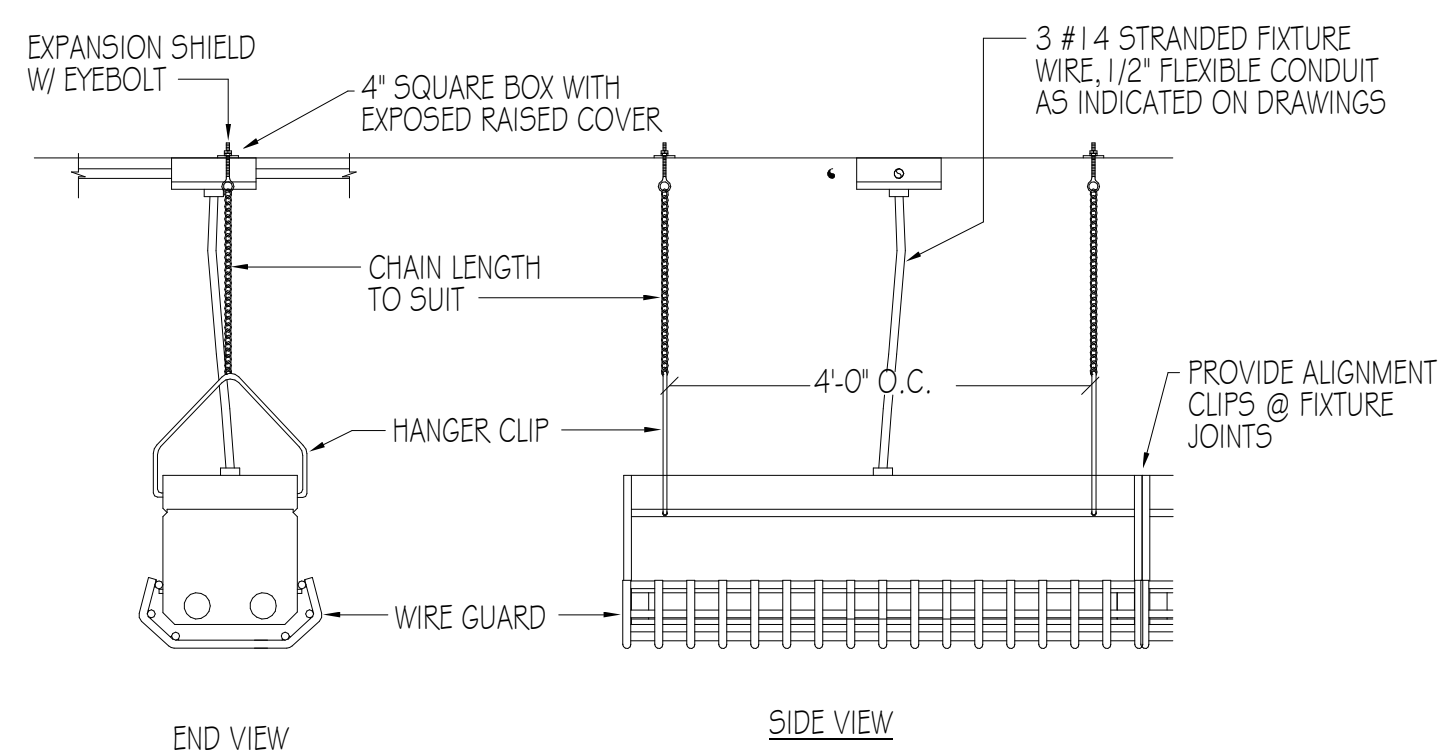
**7 LUMINAIRE MOUNTING - LAY-IN CEILING**  
EL501 NOT TO SCALE



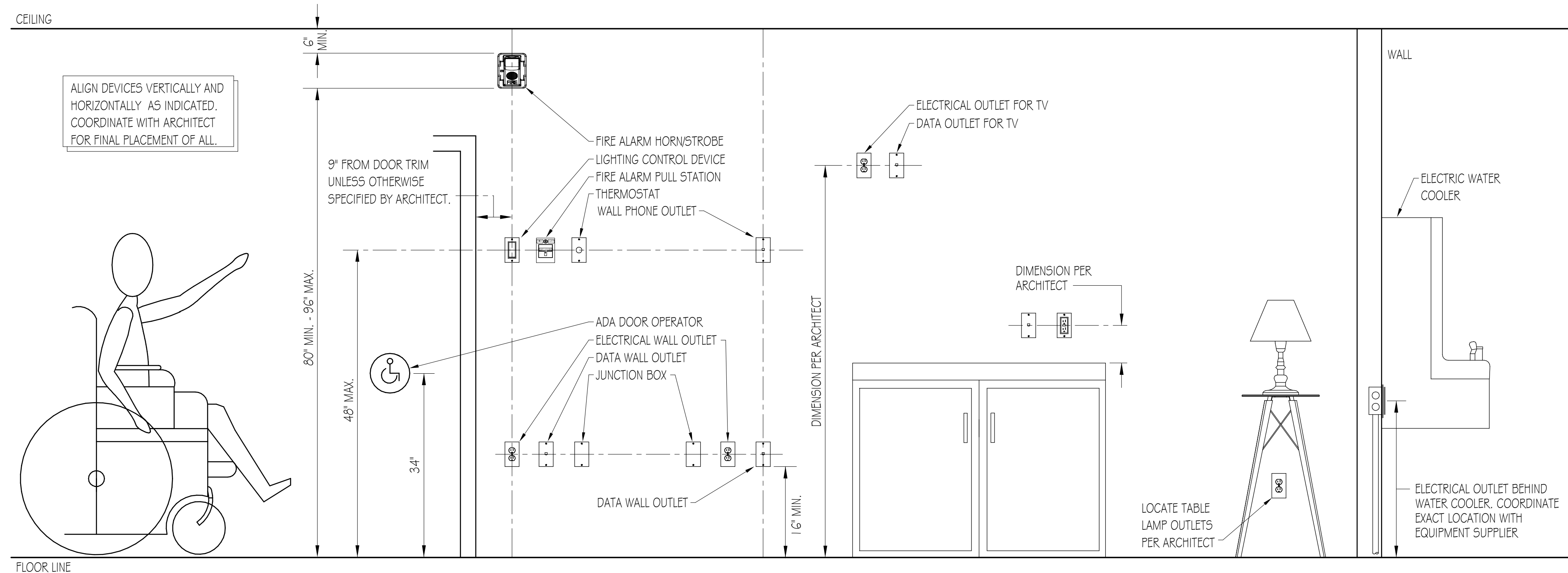
**4 EXIT SIGN MOUNTING - LAY-IN CEILING**  
EL501 NOT TO SCALE



**2 DOWNLIGHT MOUNTING - LAY-IN CEILING**  
EL501 NOT TO SCALE

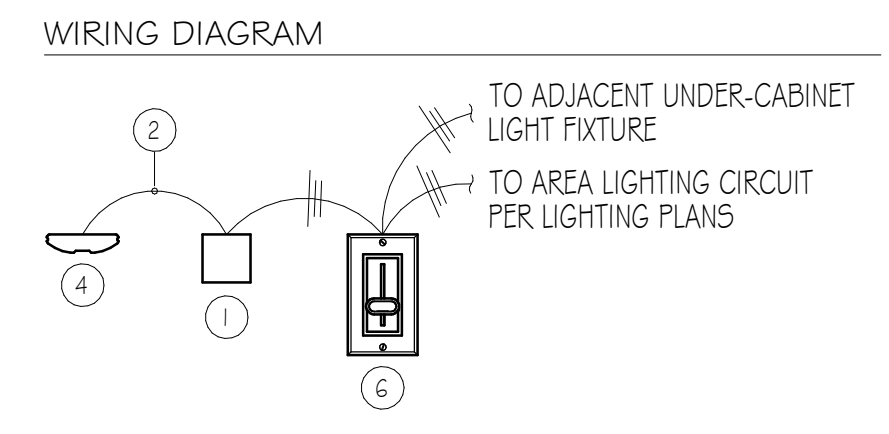
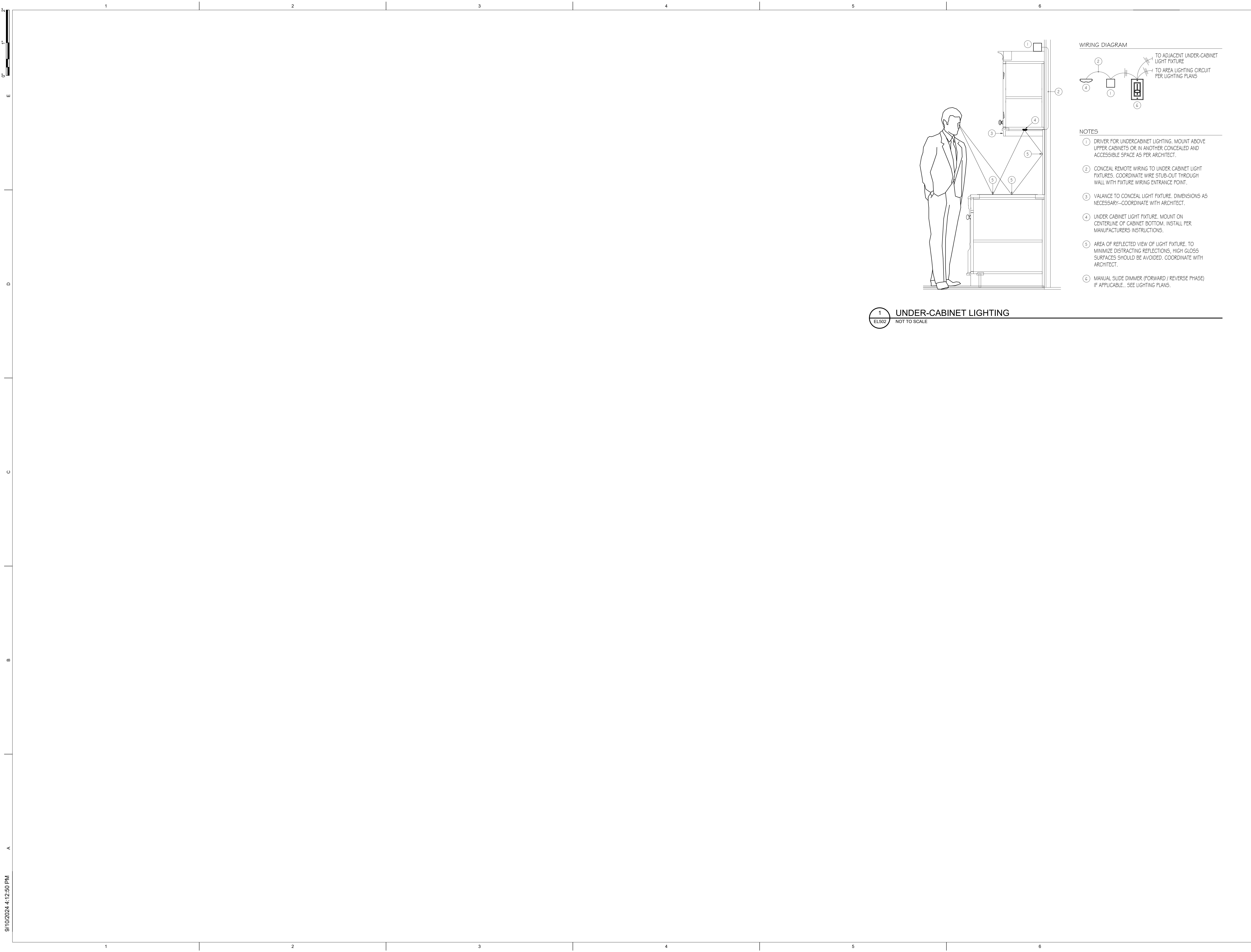


**8 SUSPENDED LIGHT FIXTURE**  
EL501 NOT TO SCALE



**5 MOUNTING HEIGHTS FOR ELECTRICAL DEVICES**  
EL501 NOT TO SCALE

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- NOTES**
- 1 DRIVER FOR UNDERCABINET LIGHTING. MOUNT ABOVE UPPER CABINETS OR IN ANOTHER CONCEALED AND ACCESSIBLE SPACE AS PER ARCHITECT.
  - 2 CONCEAL REMOTE WIRING TO UNDER CABINET LIGHT FIXTURES. COORDINATE WIRE STUB-OUT THROUGH WALL WITH FIXTURE WIRING ENTRANCE POINT.
  - 3 VALANCE TO CONCEAL LIGHT FIXTURE. DIMENSIONS AS NECESSARY--COORDINATE WITH ARCHITECT.
  - 4 UNDER CABINET LIGHT FIXTURE. MOUNT ON CENTERLINE OF CABINET BOTTOM. INSTALL PER MANUFACTURERS INSTRUCTIONS.
  - 5 AREA OF REFLECTED VIEW OF LIGHT FIXTURE. TO MINIMIZE DISTRACTING REFLECTIONS, HIGH GLOSS SURFACES SHOULD BE AVOIDED. COORDINATE WITH ARCHITECT.
  - 6 MANUAL SLIDE DIMMER (FORWARD / REVERSE PHASE) IF APPLICABLE. . SEE LIGHTING PLANS.

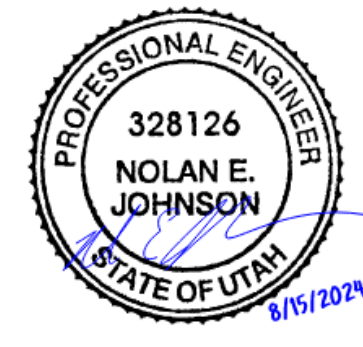
1 UNDER-CABINET LIGHTING  
EL502 NOT TO SCALE

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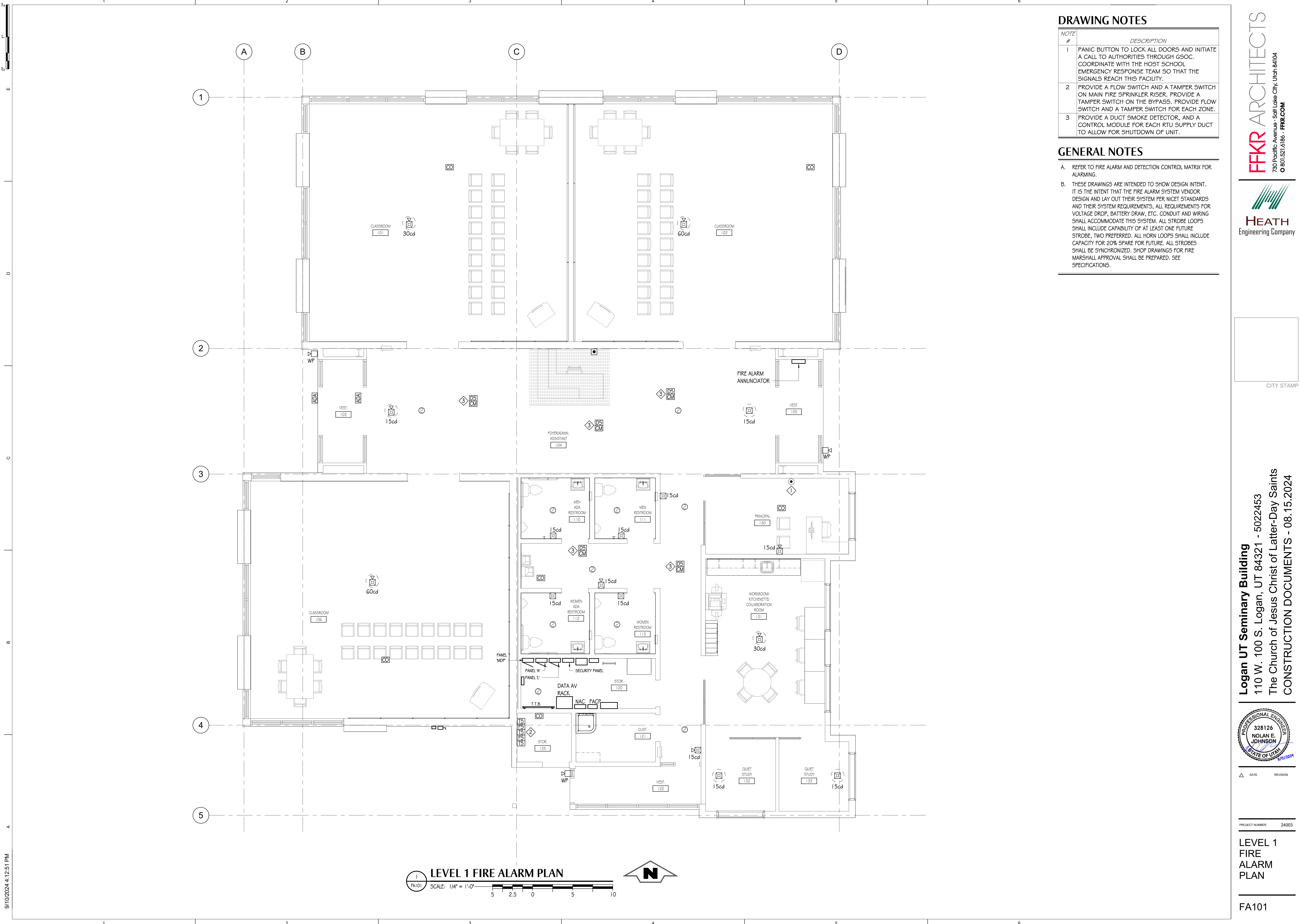
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**LIGHTING  
DETAILS**

EL502

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### DRAWING NOTES

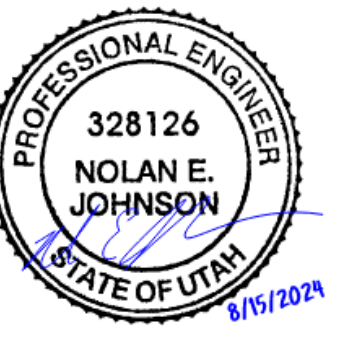
NOTE #	DESCRIPTION
1	PANIC BUTTON TO LOCK ALL DOORS AND INITIATE A CALL TO AUTHORITIES THROUGH GSOC. COORDINATE WITH THE HOST SCHOOL EMERGENCY RESPONSE TEAM SO THAT THE SIGNALS REACH THIS FACILITY.
2	PROVIDE A FLOW SWITCH AND A TAMPER SWITCH ON MAIN FIRE SPRINKLER RISER. PROVIDE A TAMPER SWITCH ON THE BYPASS. PROVIDE FLOW SWITCH AND A TAMPER SWITCH FOR EACH ZONE.
3	PROVIDE A DUCT SMOKE DETECTOR, AND A CONTROL MODULE FOR EACH RTU SUPPLY DUCT TO ALLOW FOR SHUTDOWN OF UNIT.

### GENERAL NOTES

- A. REFER TO FIRE ALARM AND DETECTION CONTROL MATRIX FOR ALARMING.
- B. THESE DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. IT IS THE INTENT THAT THE FIRE ALARM SYSTEM VENDOR DESIGN AND LAY OUT THEIR SYSTEM PER NICET STANDARDS AND THEIR SYSTEM REQUIREMENTS, ALL REQUIREMENTS FOR VOLTAGE DROP, BATTERY DRAW, ETC. CONDUIT AND WIRING SHALL ACCOMMODATE THIS SYSTEM. ALL STROBE LOOPS SHALL INCLUDE CAPABILITY OF AT LEAST ONE FUTURE STROBE, TWO PREFERRED. ALL HORN LOOPS SHALL INCLUDE CAPACITY FOR 20% SPARE FOR FUTURE. ALL STROBES SHALL BE SYNCHRONIZED. SHOP DRAWINGS FOR FIRE MARSHALL APPROVAL SHALL BE PREPARED. SEE SPECIFICATIONS.



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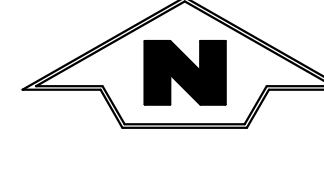
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PROJECT NUMBER 24003

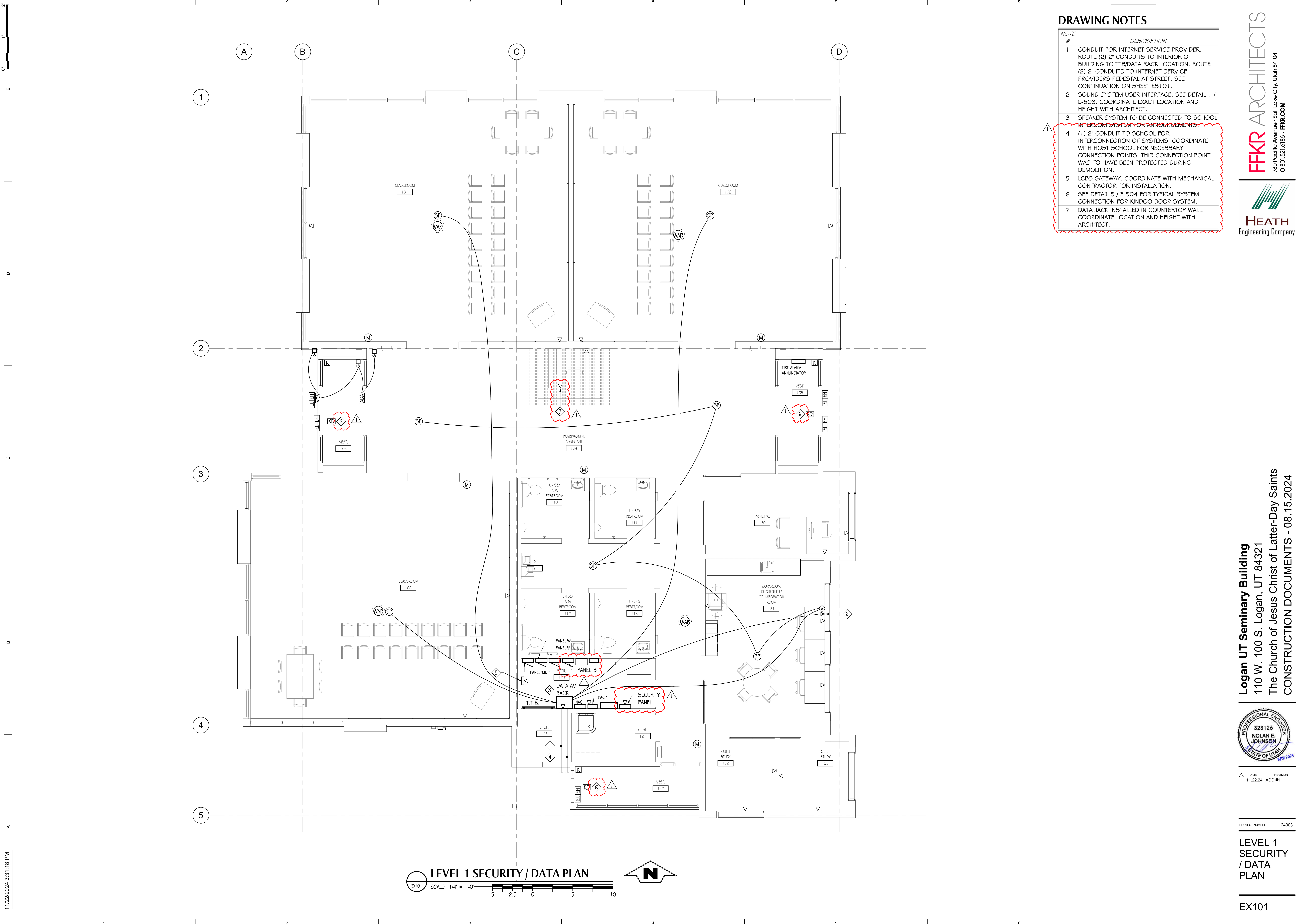
### LEVEL 1 FIRE ALARM PLAN

FA101

**LEVEL 1 FIRE ALARM PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



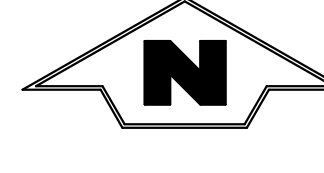
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**DRAWING NOTES**

NOTE #	DESCRIPTION
1	CONDUIT FOR INTERNET SERVICE PROVIDER. ROUTE (2) 2" CONDUITS TO INTERIOR OF BUILDING TO TTB/DATA RACK LOCATION. ROUTE (2) 2" CONDUITS TO INTERNET SERVICE PROVIDERS PEDESTAL AT STREET. SEE CONTINUATION ON SHEET E5 101.
2	SOUND SYSTEM USER INTERFACE. SEE DETAIL 1 / E-503. COORDINATE EXACT LOCATION AND HEIGHT WITH ARCHITECT.
3	SPEAKER SYSTEM TO BE CONNECTED TO SCHOOL INTERCOM SYSTEM FOR ANNOUNCEMENTS.
4	(1) 2" CONDUIT TO SCHOOL FOR INTERCONNECTION OF SYSTEMS. COORDINATE WITH HOST SCHOOL FOR NECESSARY CONNECTION POINTS. THIS CONNECTION POINT WAS TO HAVE BEEN PROTECTED DURING DEMOLITION.
5	LCBS GATEWAY. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION.
6	SEE DETAIL 5 / E-504 FOR TYPICAL SYSTEM CONNECTION FOR KINDOO DOOR SYSTEM.
7	DATA JACK INSTALLED IN COUNTERTOP WALL. COORDINATE LOCATION AND HEIGHT WITH ARCHITECT.

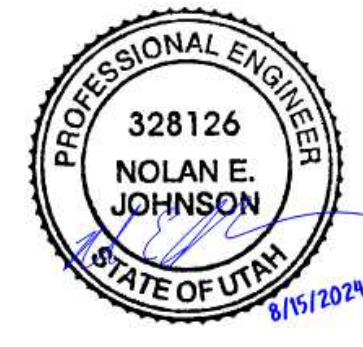
**LEVEL 1 SECURITY / DATA PLAN**  
 SCALE: 1/4" = 1'-0"  
 5 2.5 0 5 10



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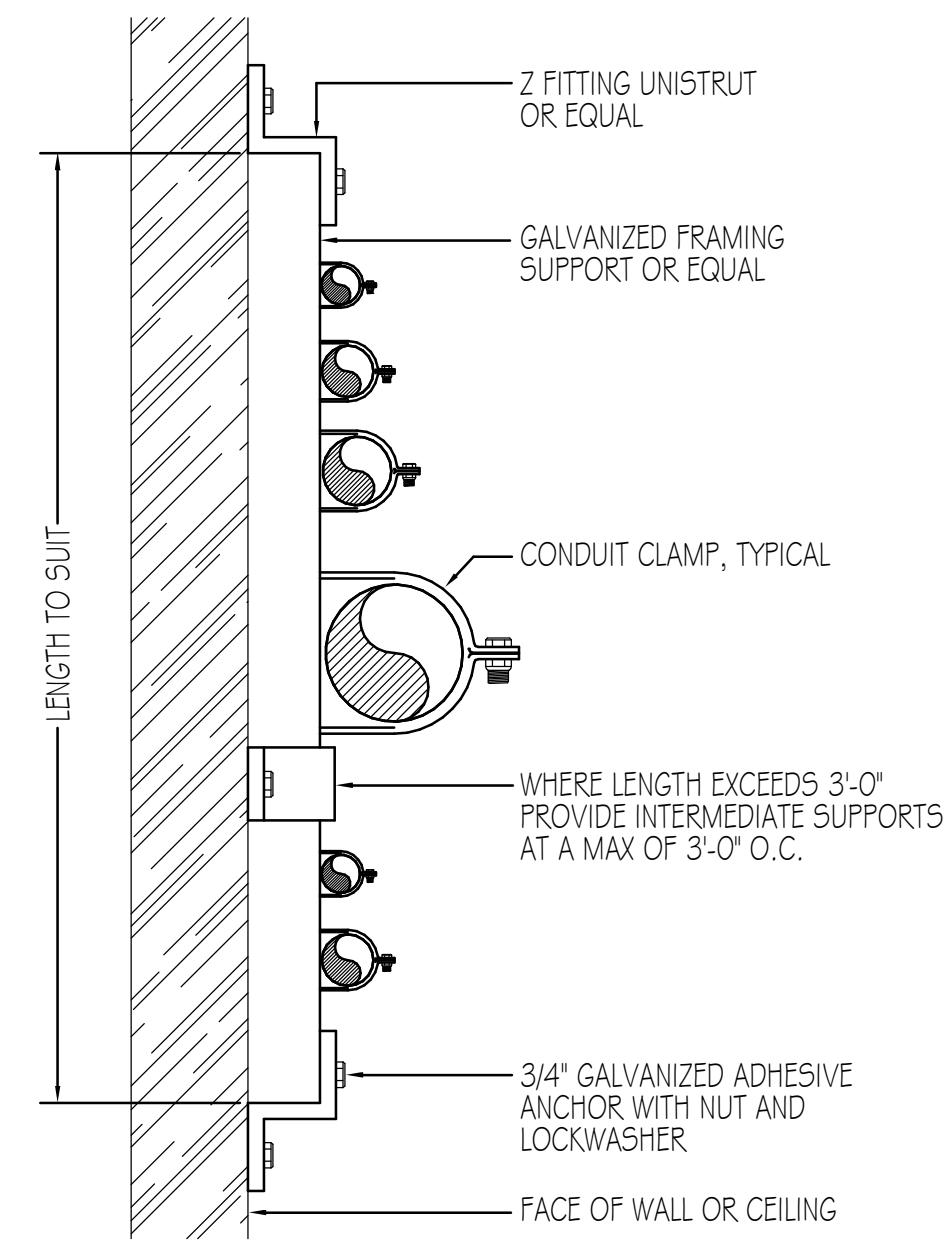


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 REVISION: ADD #1

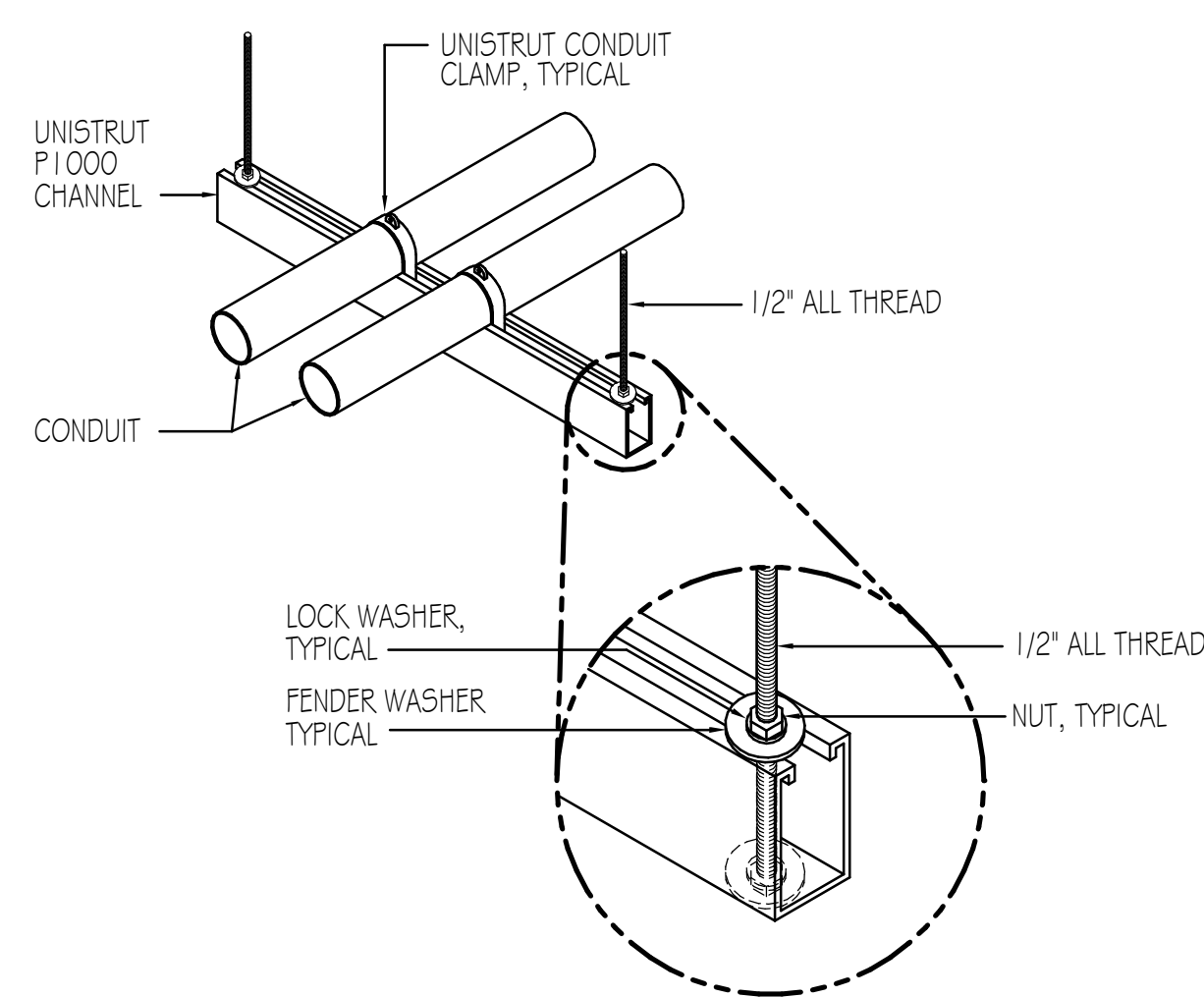
PROJECT NUMBER: 24003

**LEVEL 1  
 SECURITY  
 / DATA  
 PLAN**

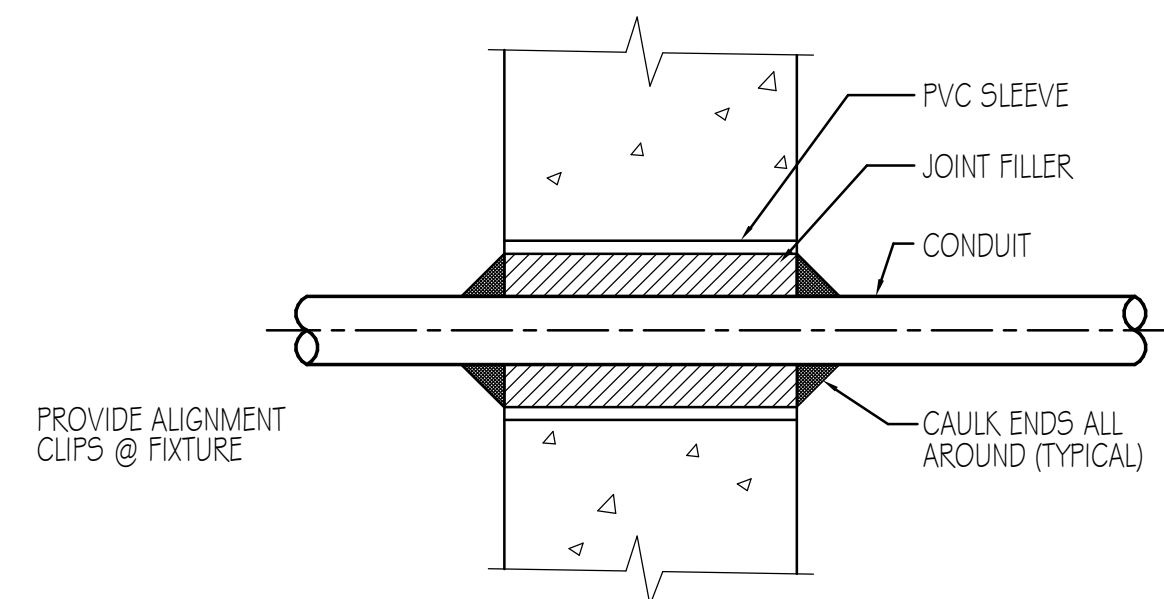
EX101



**8 CONDUIT SUPPORT DETAIL**  
E-501 SCALE: NONE

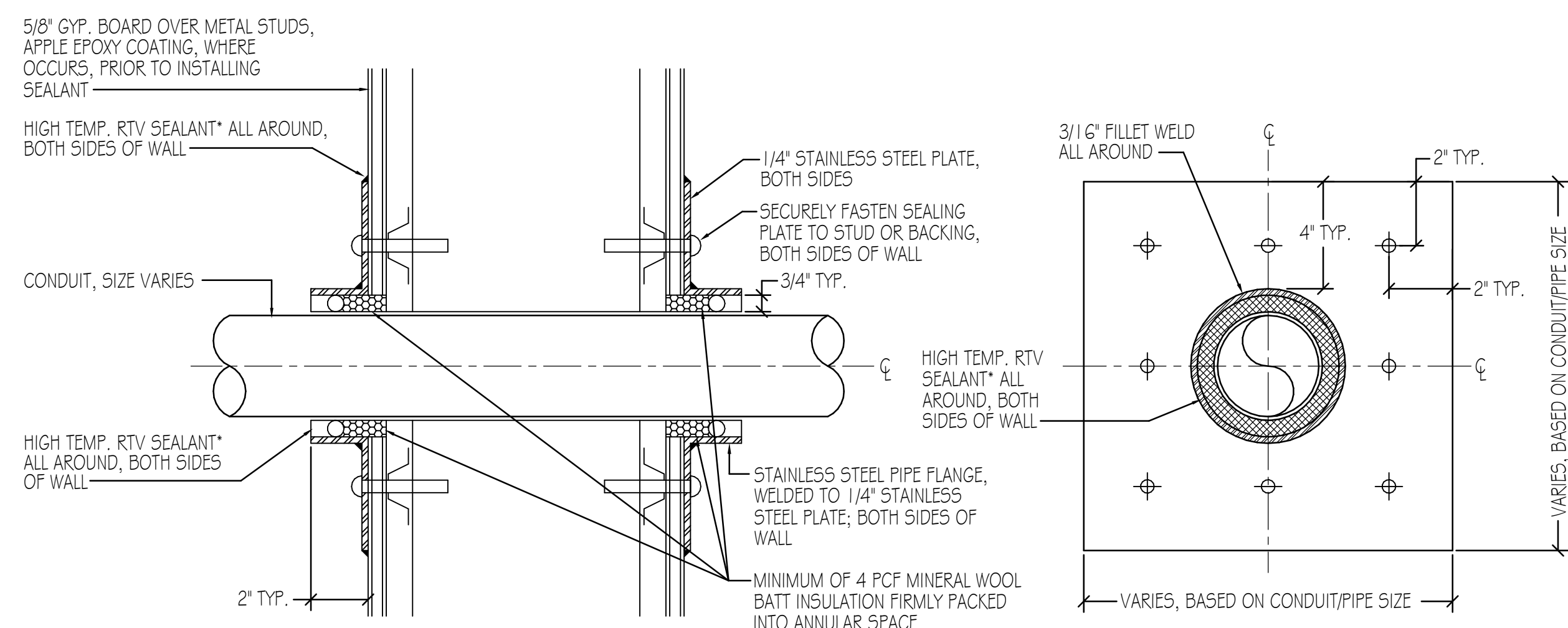


**9 CONDUIT SUPPORT DETAIL**  
E-501 SCALE: NONE



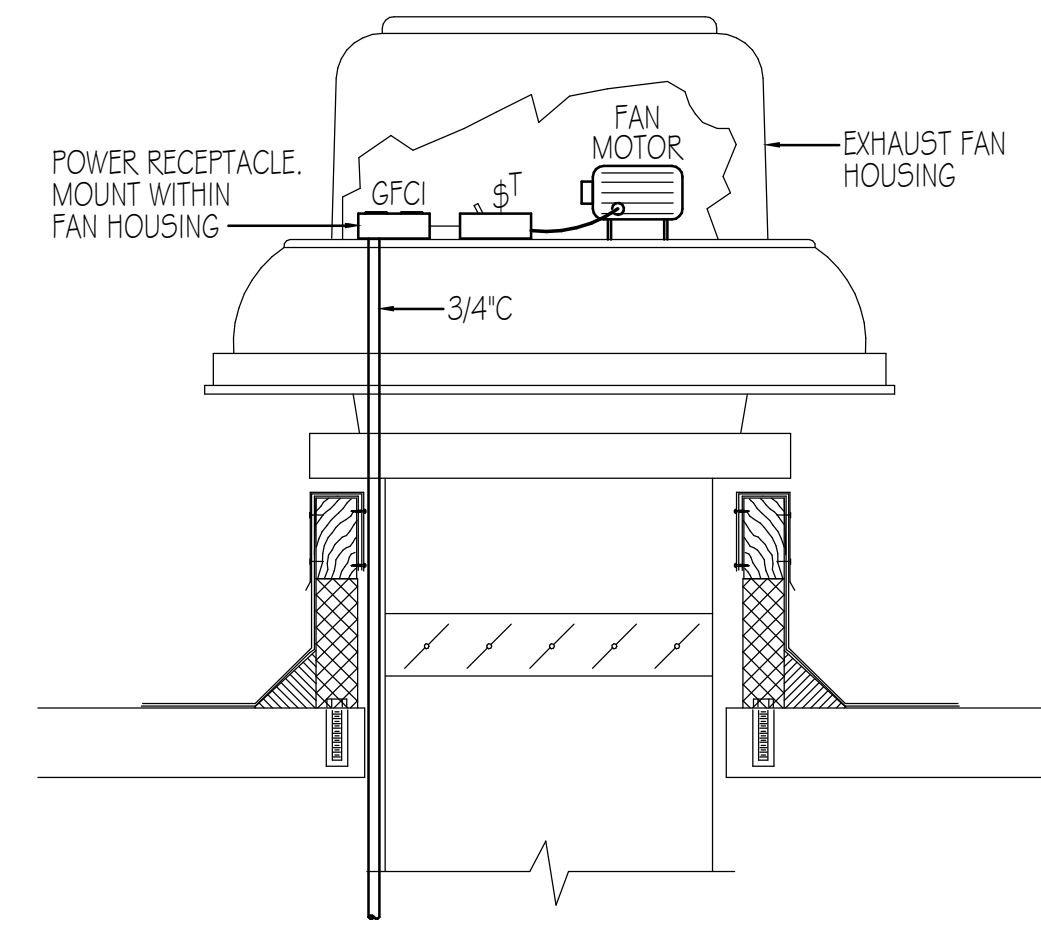
**CONDUIT PENETRATION AT NEW WALL OR SLAB DETAIL**

**10**  
E-501 SCALE: NONE

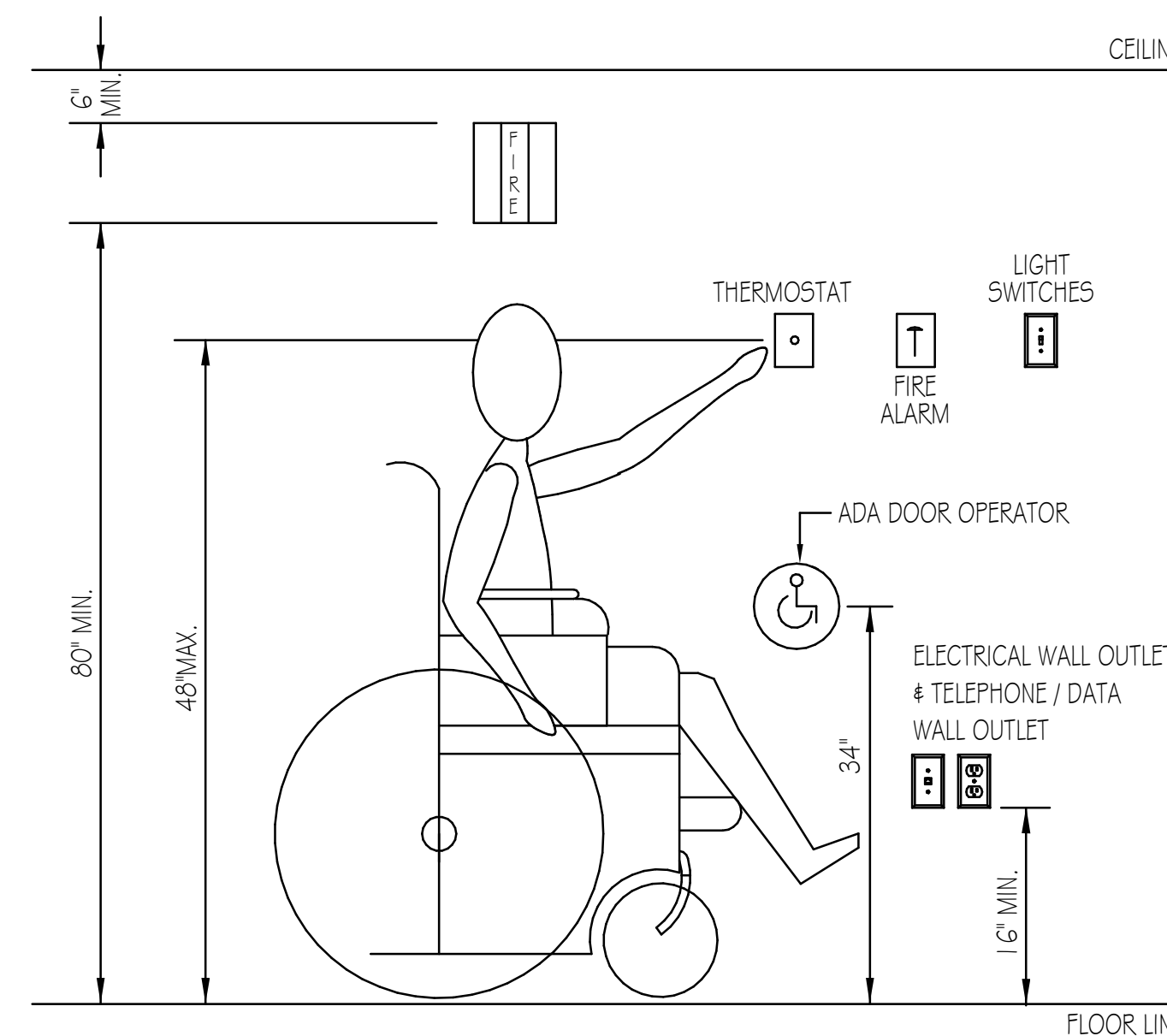


**NOTES:**  
1. SEALANT\* - USE HIGH TEMPERATURE RTV SEALANT, PECORA BC-158 PR APPROVED EQUIVALENT.  
2. FOR CONDUIT, PROVIDE AN ELECTRICAL BODY WITH A REMOVABLE COVER WITHIN 2'-0" OF WALL PENETRATION (CHAMBER SIDE ONLY). FILL CONDUIT WITH SEALANT\* AT CONDUIT BODY TO SEAL CONDUIT INTERIOR.

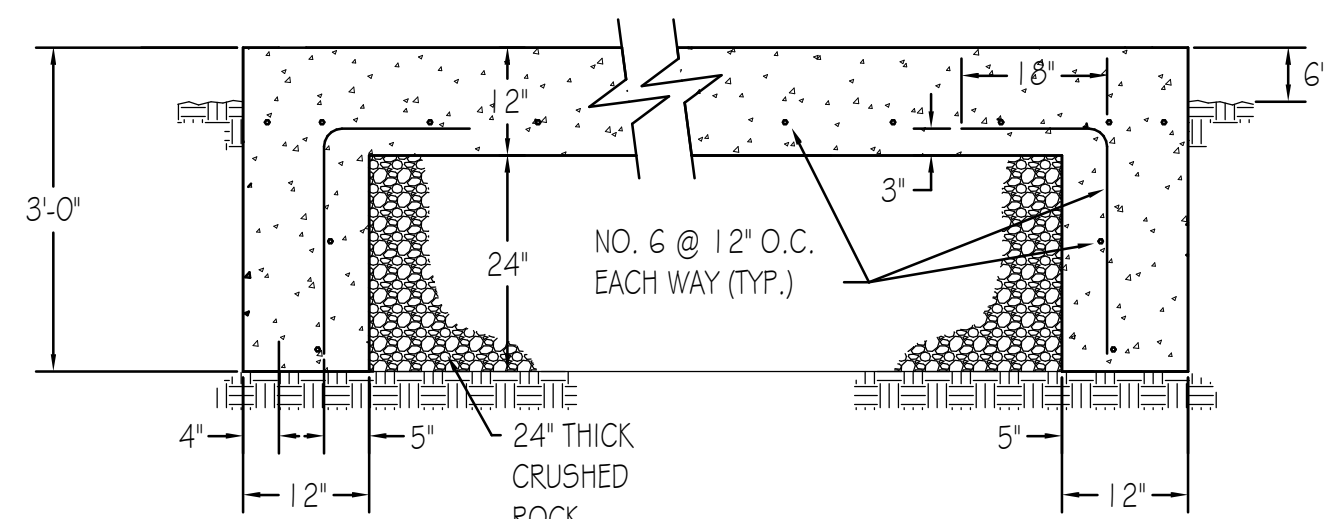
**11 CONDUIT WALL PENETRATION DETAIL**  
E-501 SCALE: NONE



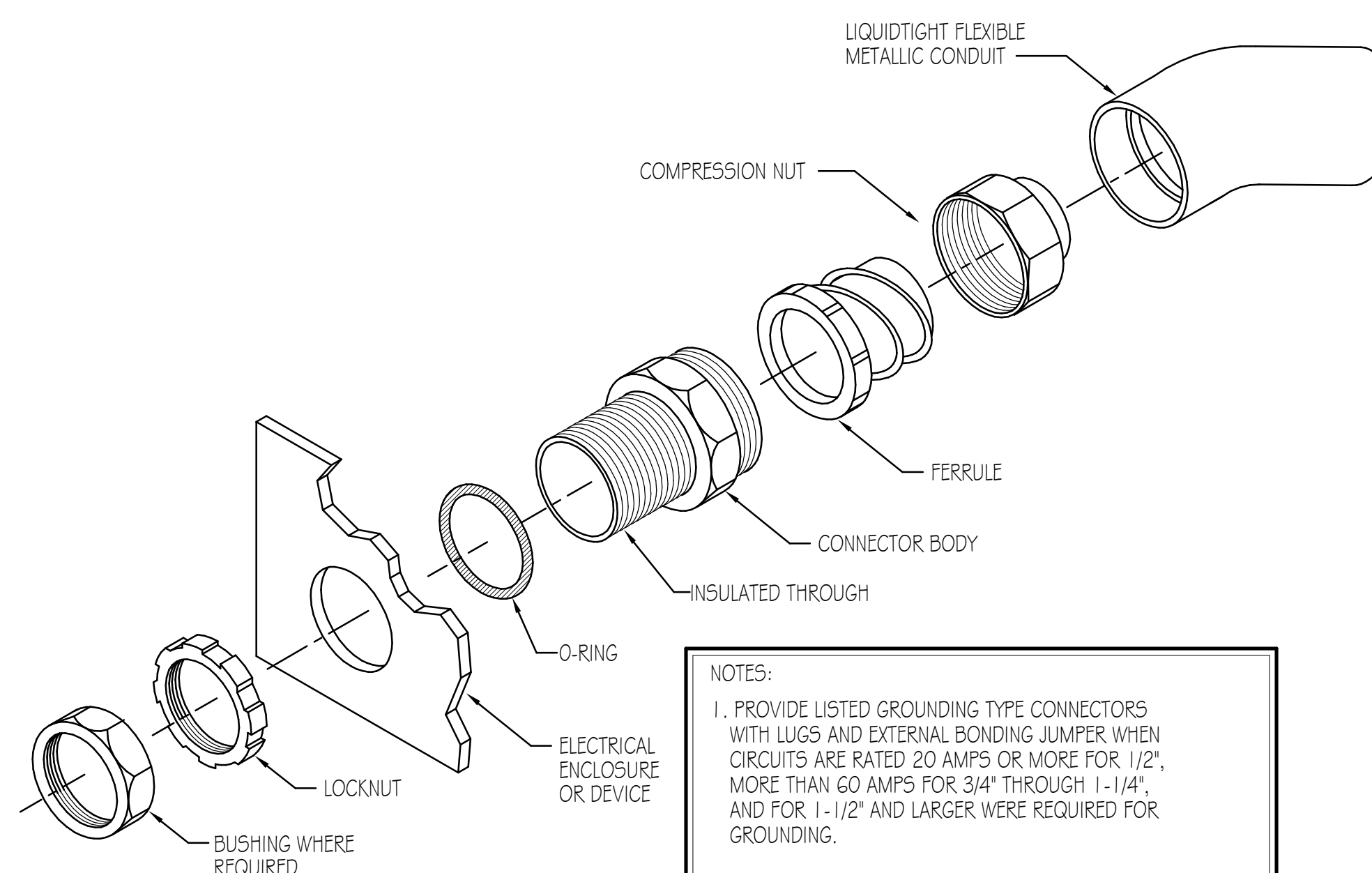
**4 EXHAUST FAN DETAIL**  
E-501 SCALE: NONE



**5 TYPICAL MOUNTING HEIGHTS FOR ELECTRICAL DEVICES**  
E-501 SCALE: NONE

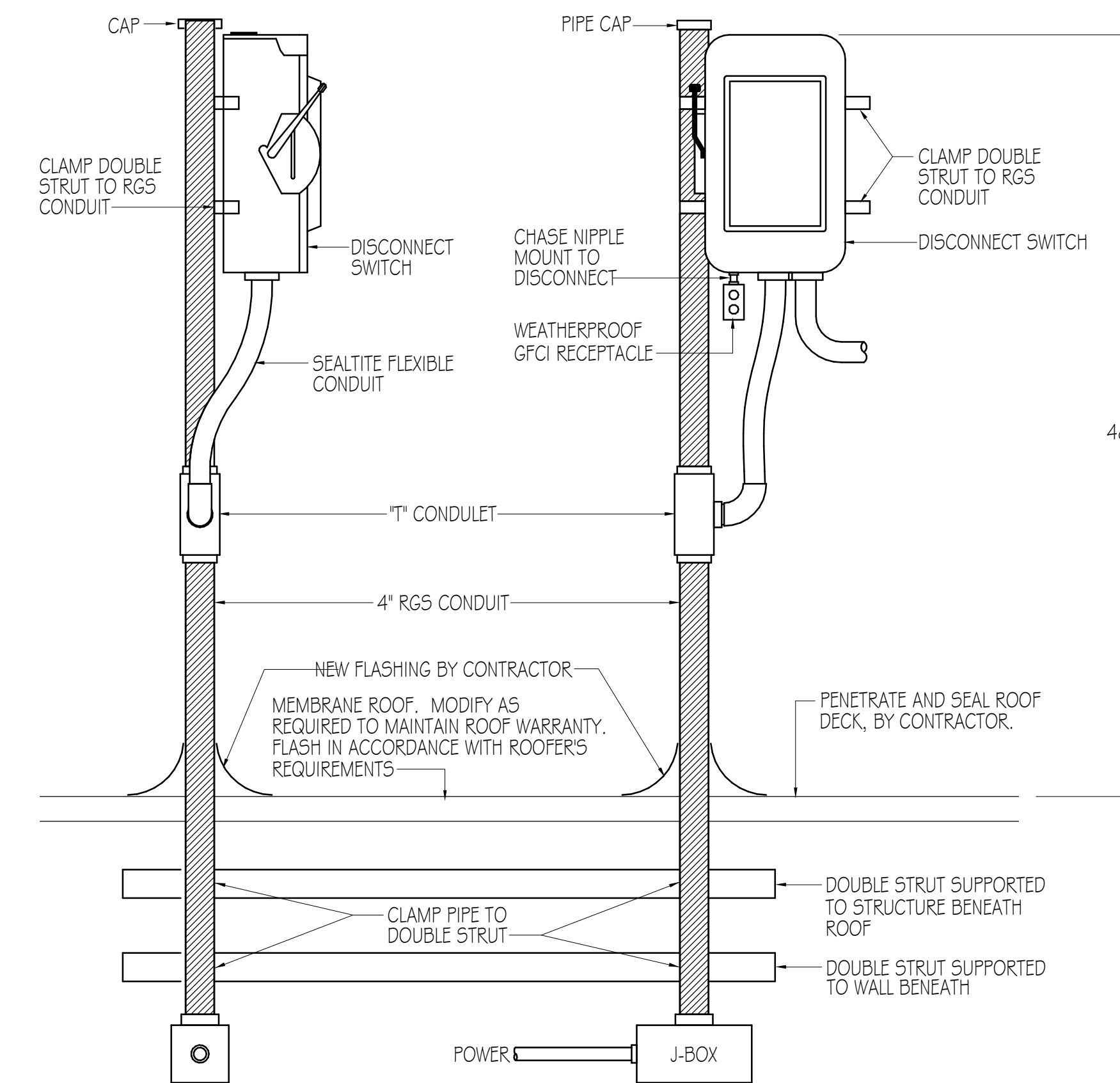


**6 PAD SECTION DETAIL**  
E-501 SCALE: NONE

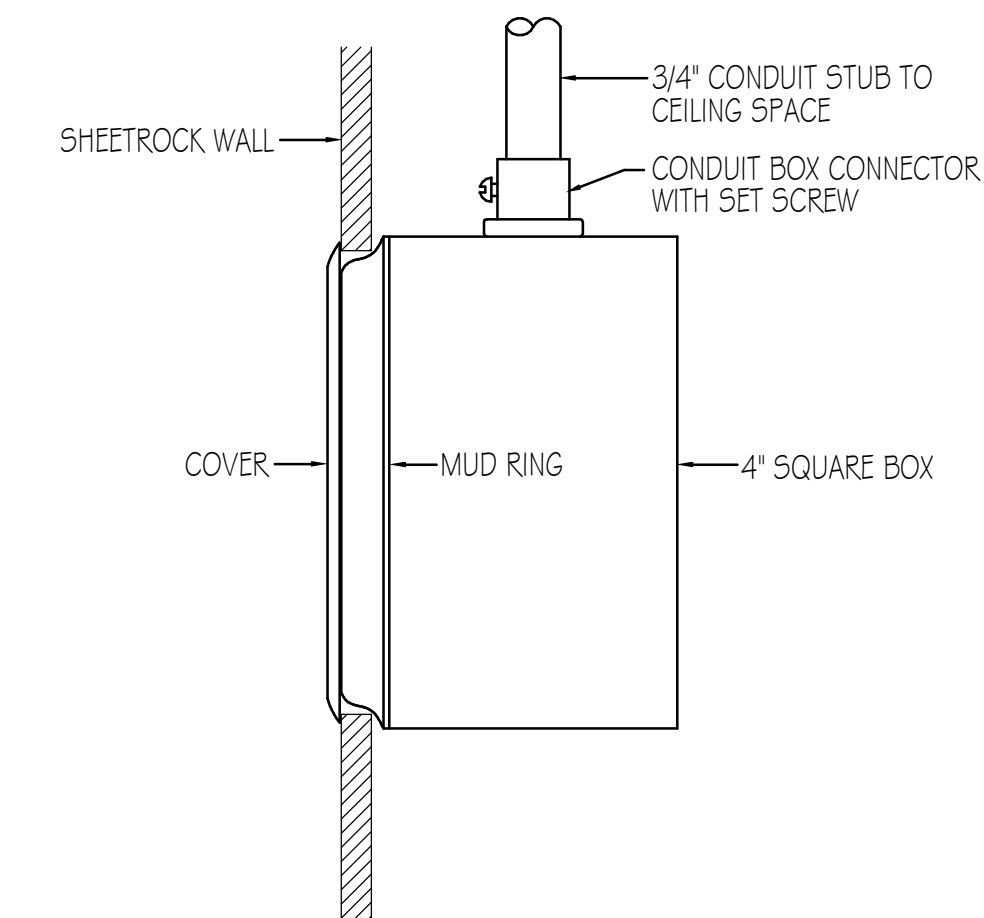


**NOTES:**  
1. PROVIDE LISTED GROUNDING TYPE CONNECTORS WITH LUGS AND EXTERNAL BONDING JUMPER WHEN CIRCUITS ARE RATED 20 AMPS OR MORE FOR 1/2", MORE THAN 60 AMPS FOR 3/4" THROUGH 1-1/4", AND FOR 1-1/2" AND LARGER WERE REQUIRED FOR GROUNDING.  
2. INSULATED BUSHING SHALL BE REQUIRED FOR CONDUCTORS #4 OR LARGER.

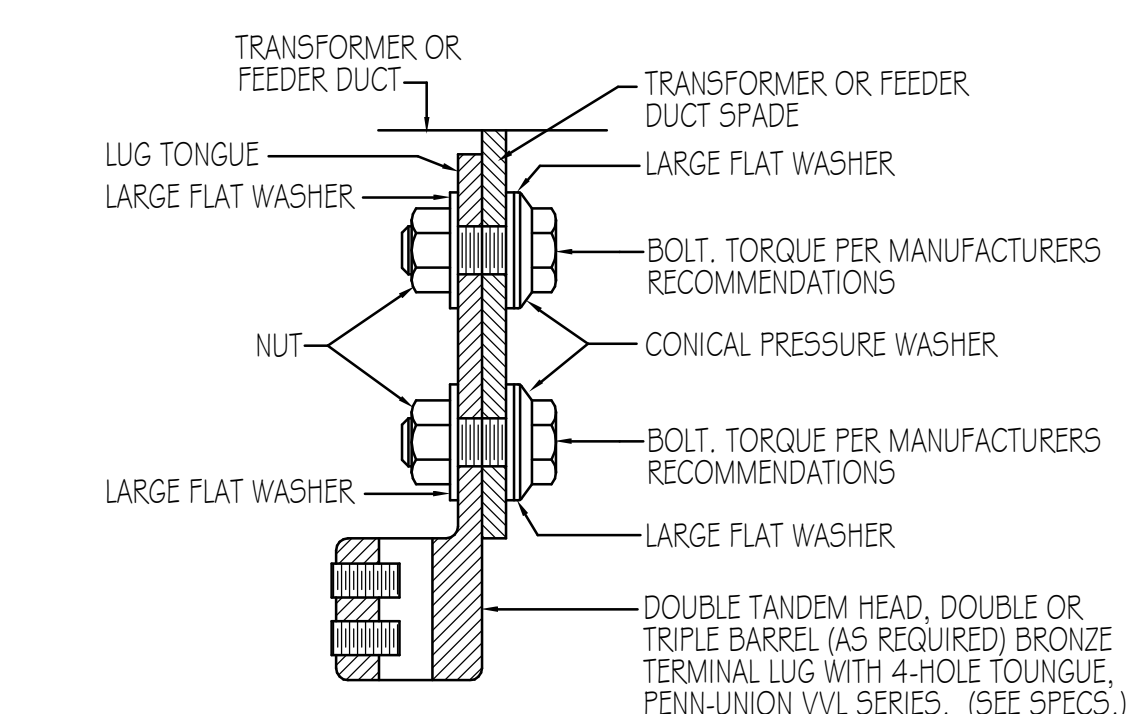
**7 TYPICAL FLEXIBLE CONDUIT CONNECTION DETAIL**  
E-501 SCALE: NONE



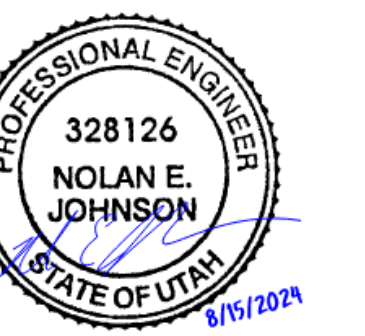
**1 ROOFTOP DISCONNECT SWITCH AND SERVICE OUTLET MOUNTING DETAIL**  
E-501 SCALE: NONE



**2 TELEPHONE-DATA DETAIL**  
E-501 SCALE: NONE



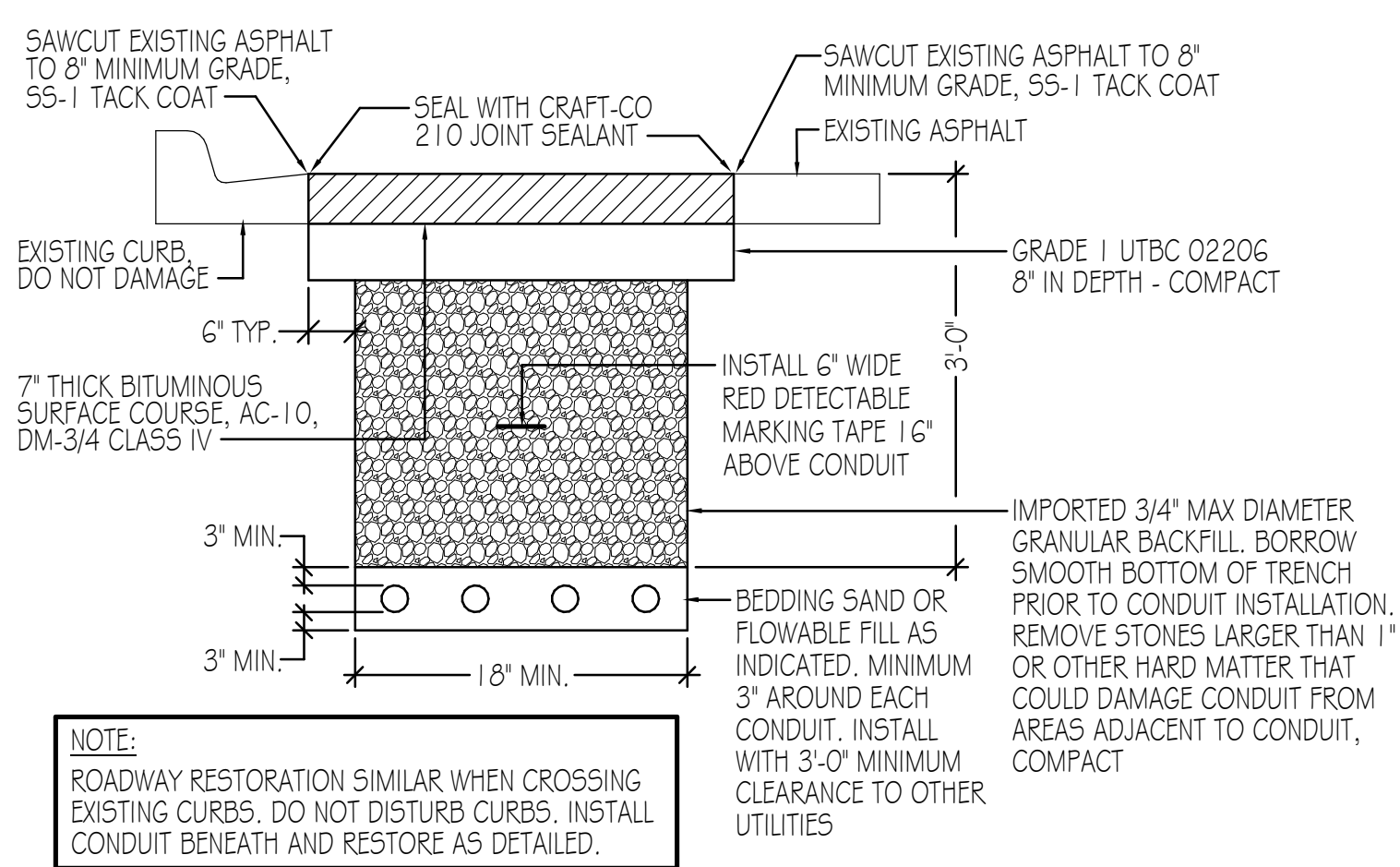
**3 LUG TO SPADE CONNECTION DETAIL**  
E-501 SCALE: NONE



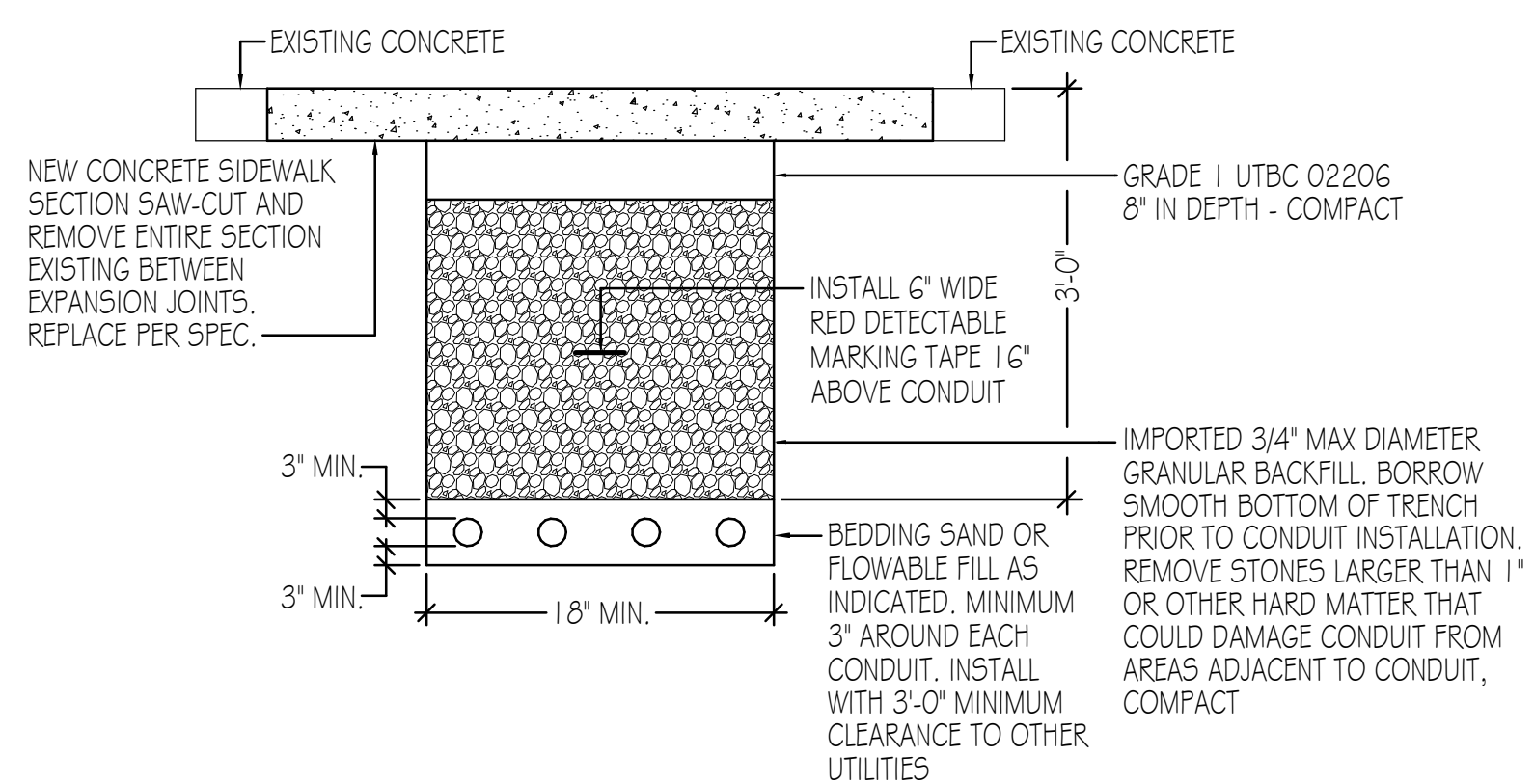
DATE REVISION

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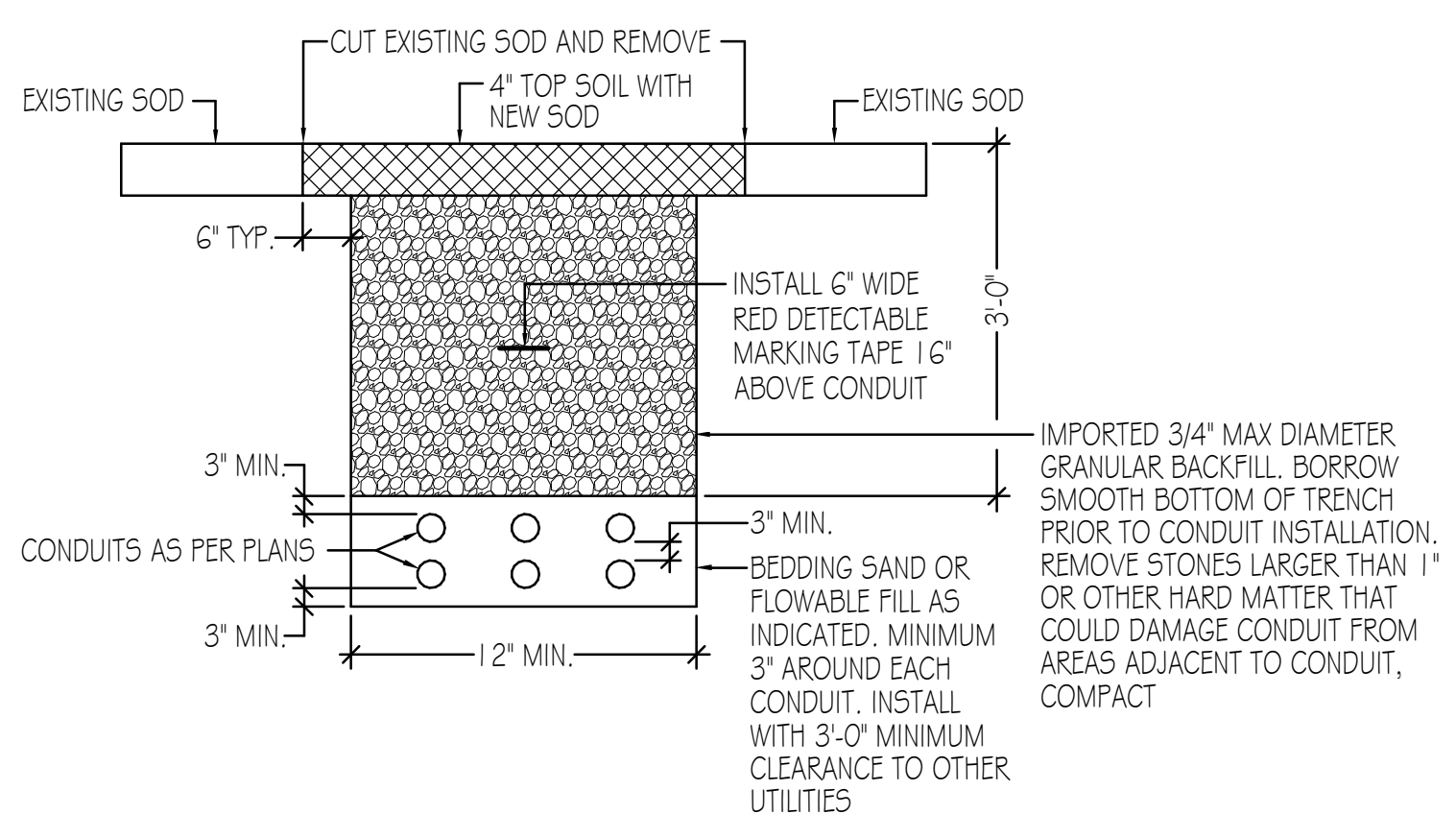
**ELECTRICAL**  
DETAILS



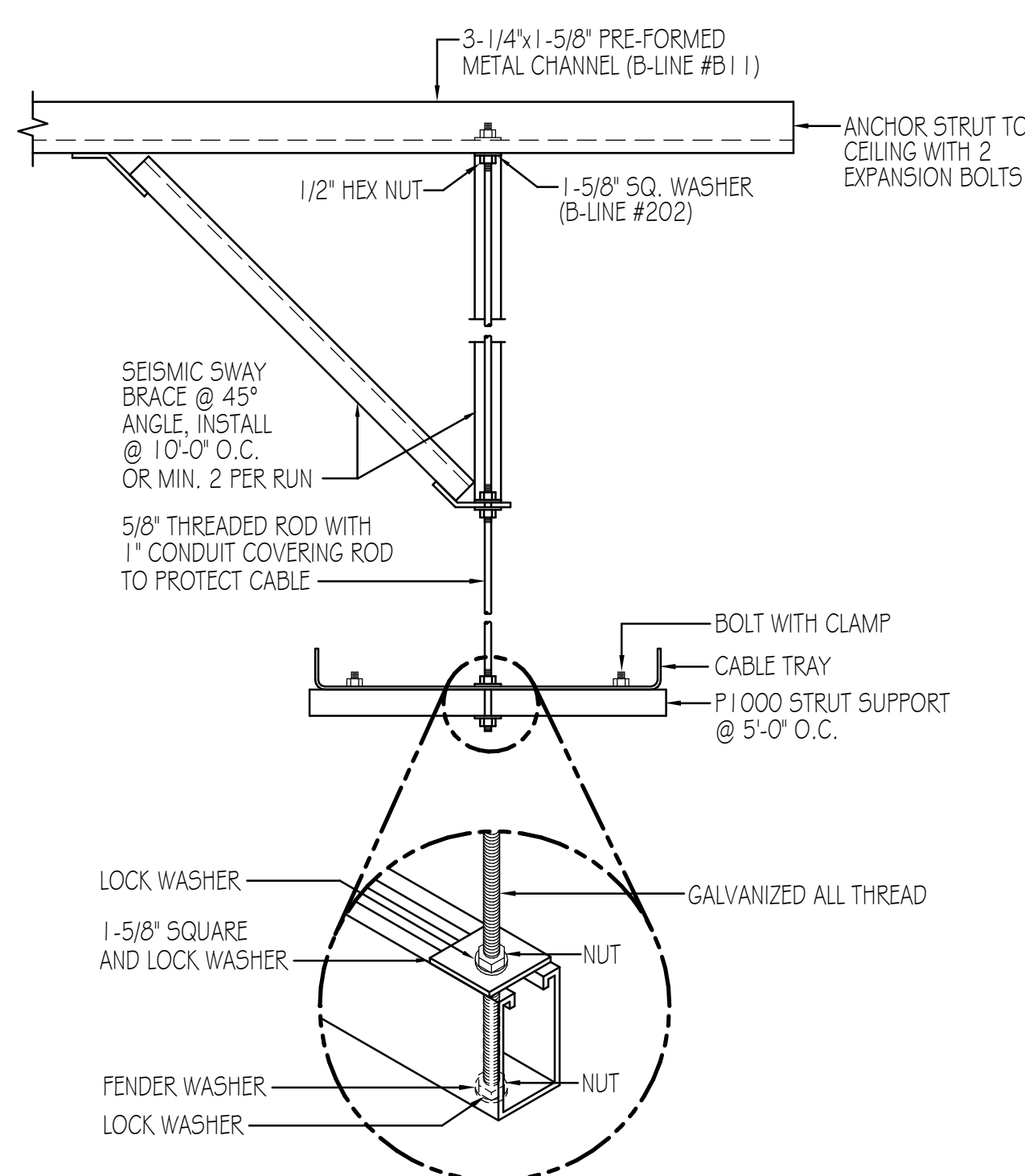
**15 TRENCH DETAIL-ROADWAY RESTORATION**  
E-502 SCALE: NONE



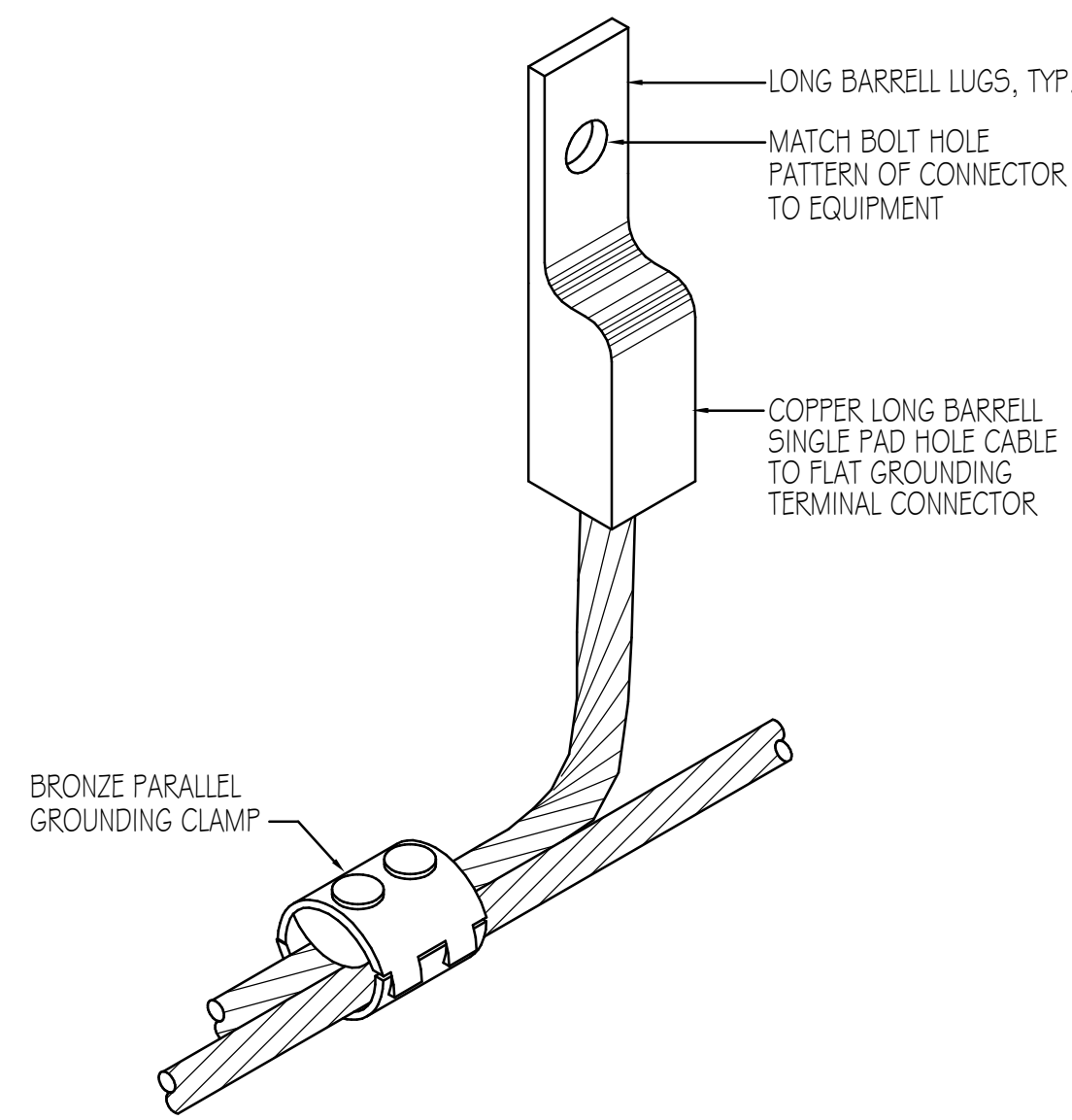
**16 TRENCH DETAIL-SIDEWALK RESTORATION**  
E-502 SCALE: NONE



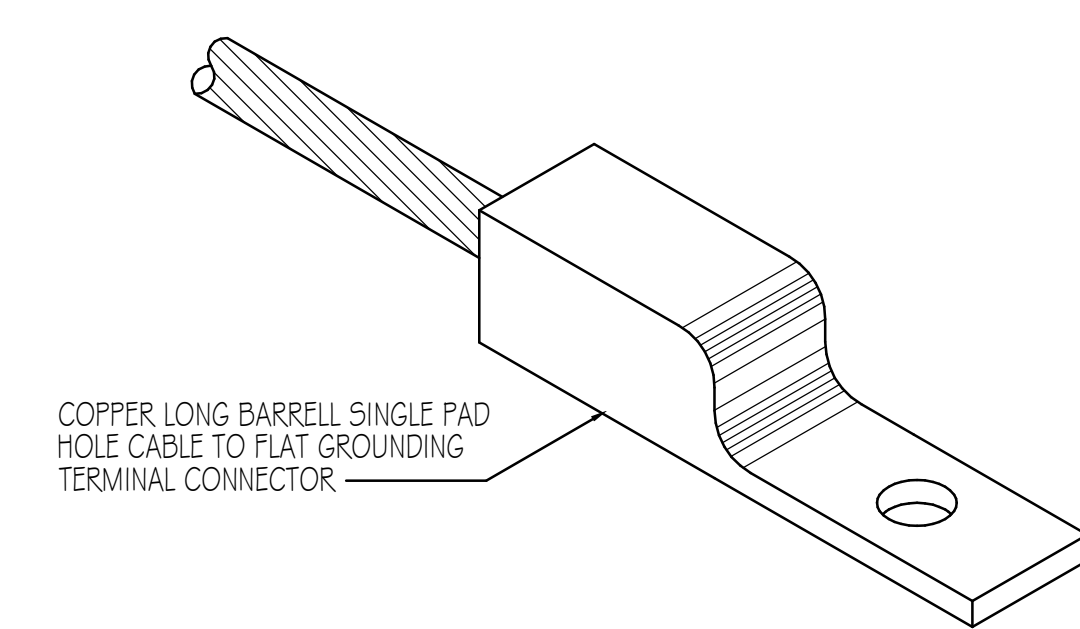
**17 TRENCH DETAIL-SOD RESTORATION**  
E-502 SCALE: NONE



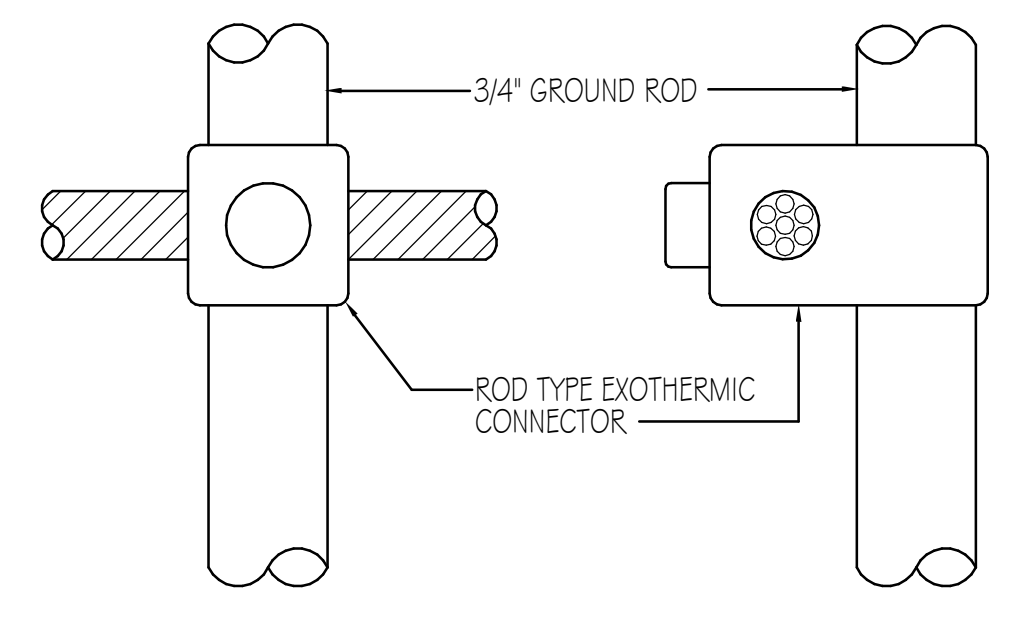
**18 CABLE TRAY SUPPORT DETAIL**  
E-502 SCALE: NONE



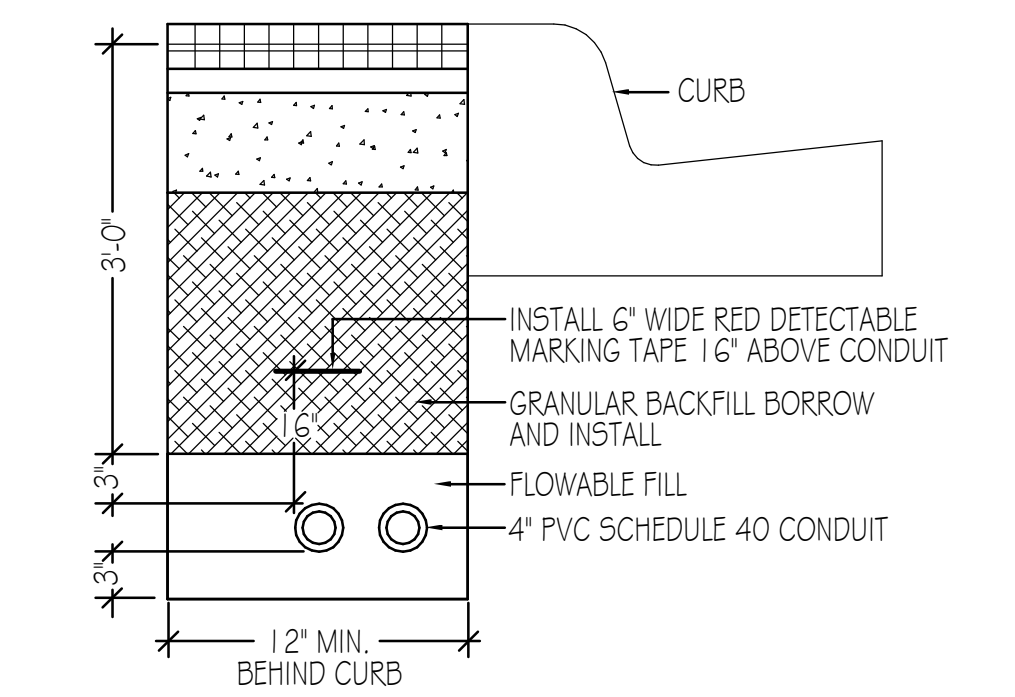
**10 EQUIPMENT GROUNDING CONNECTION DETAIL**  
E-502 SCALE: NONE



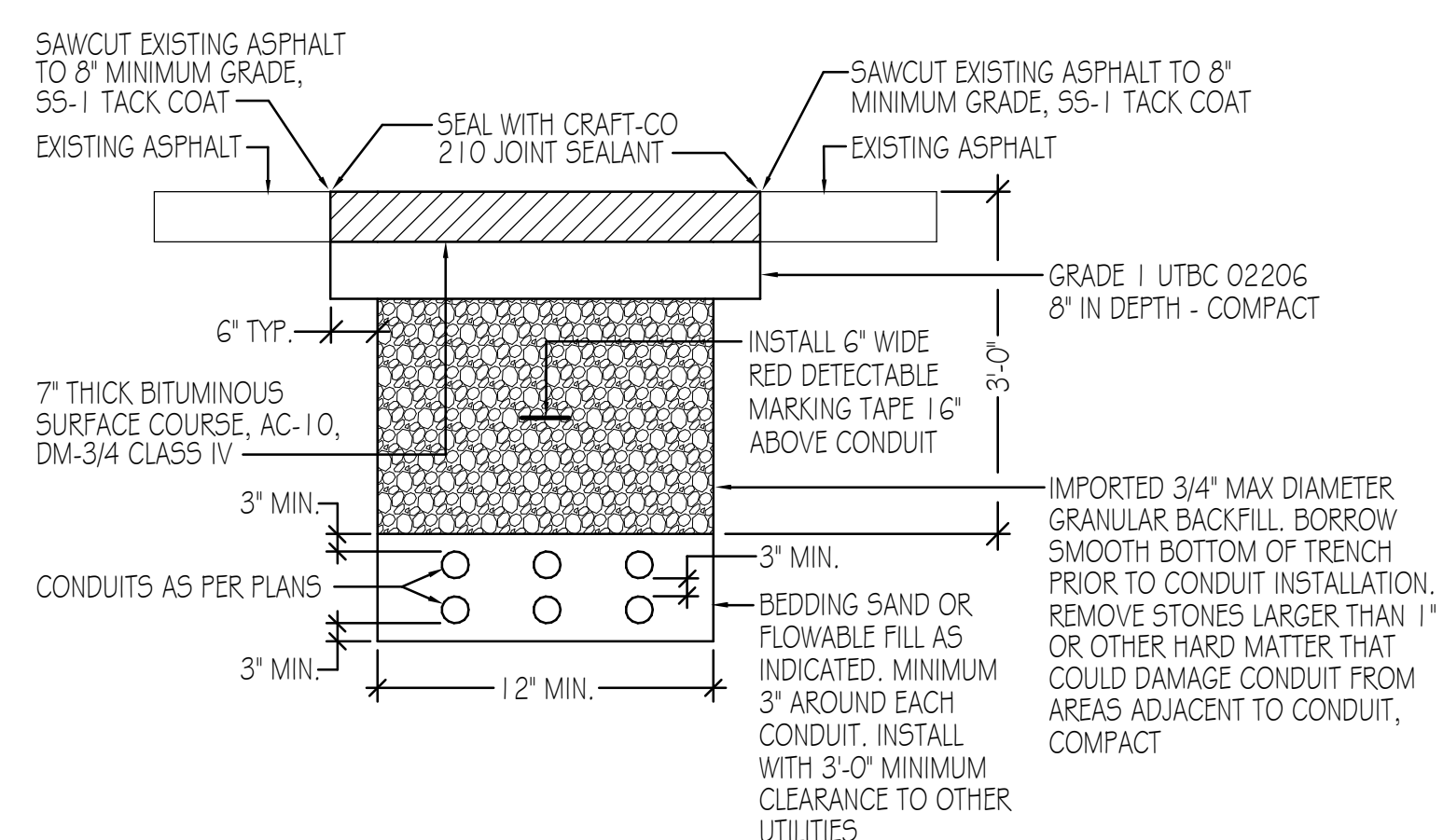
**11 BONDING LUG DETAIL**  
E-502 SCALE: NONE



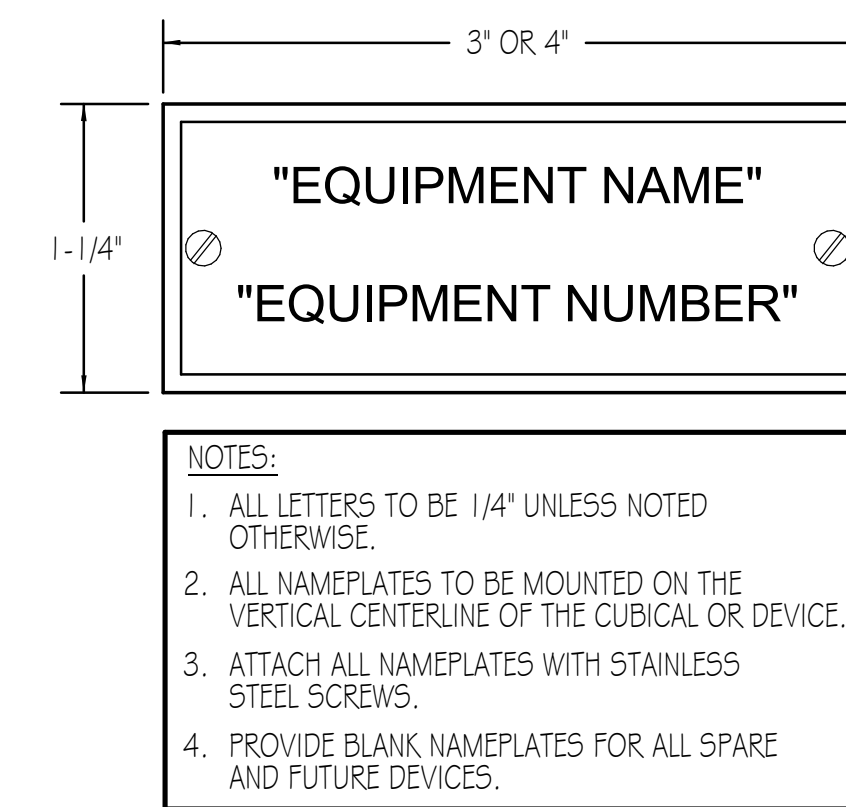
**12 CABLE TO ROD CONNECTION DETAIL**  
E-502 SCALE: NONE



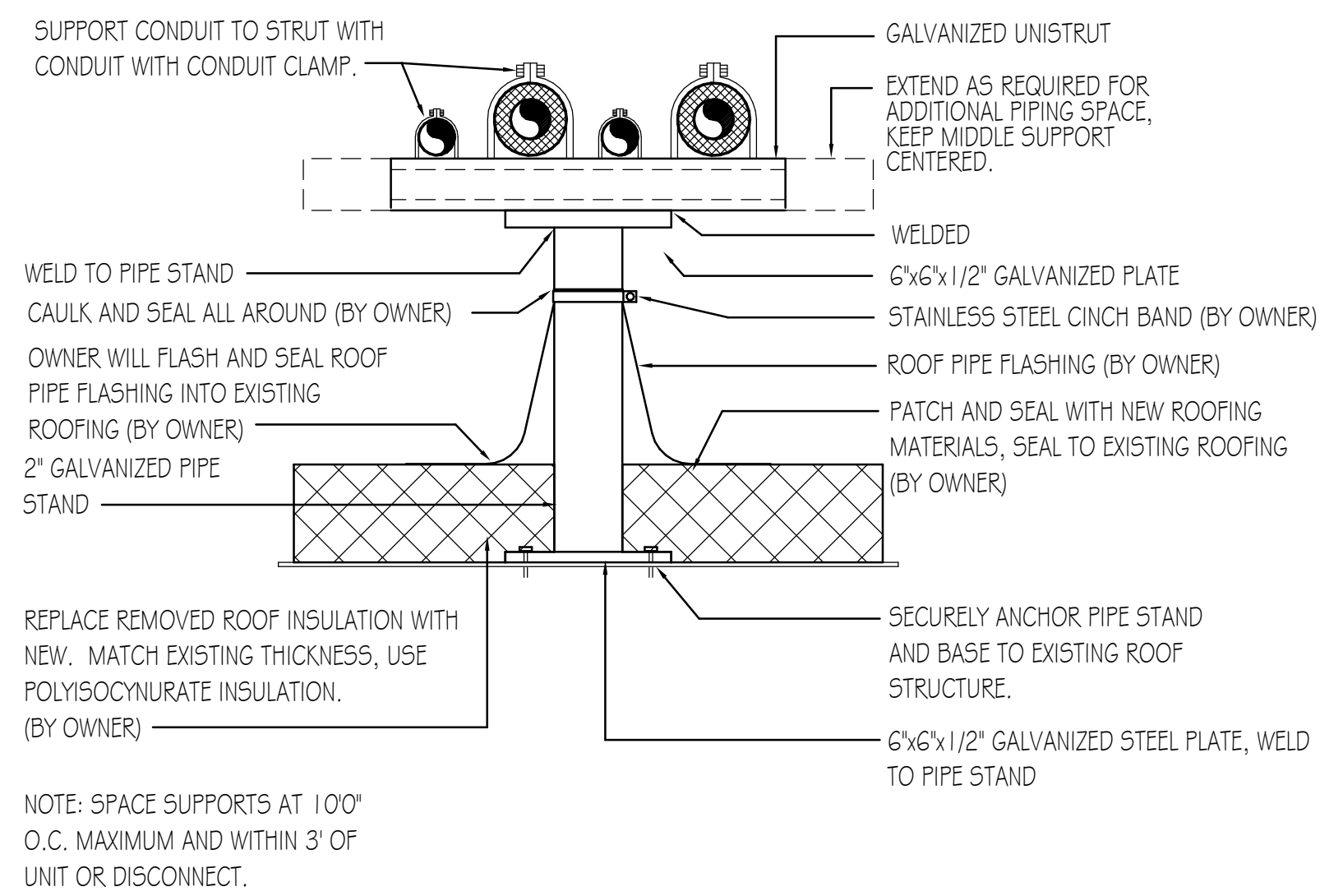
**13 TRENCH DETAIL**  
E-502 SCALE: NONE



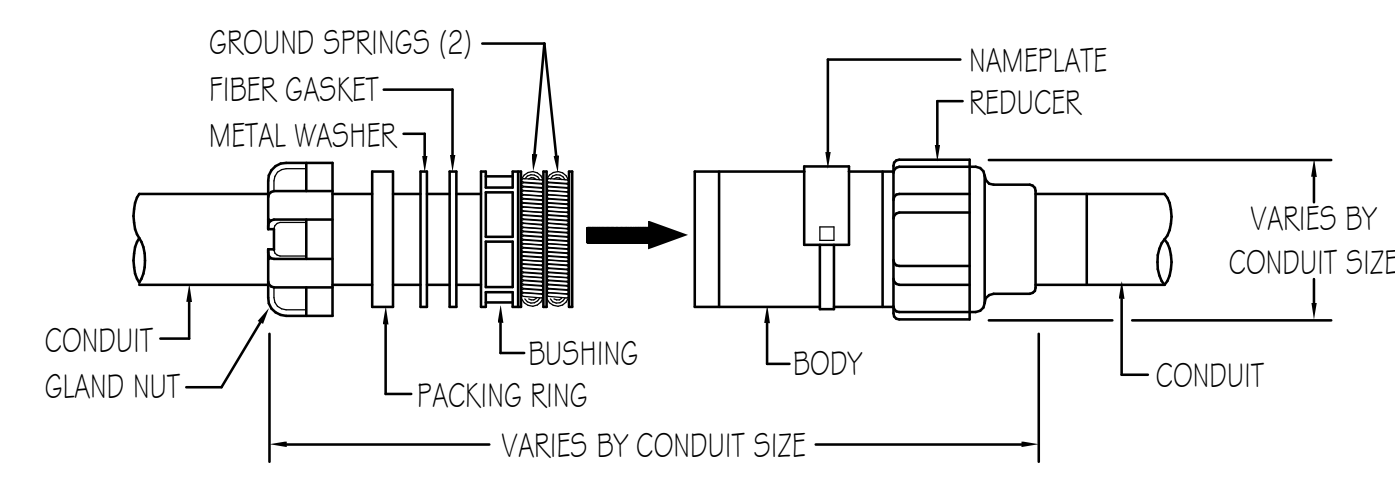
**14 TRENCH DETAIL-ROADWAY RESTORATION**  
E-502 SCALE: NONE



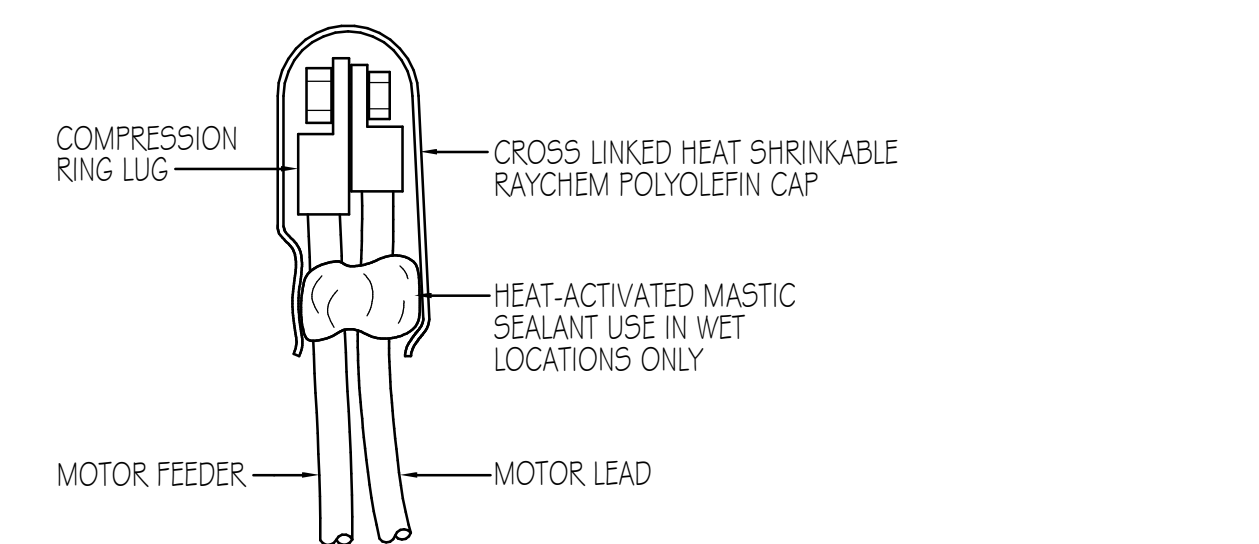
**5 NAMEPLATE DETAIL**  
E-502 SCALE: NONE



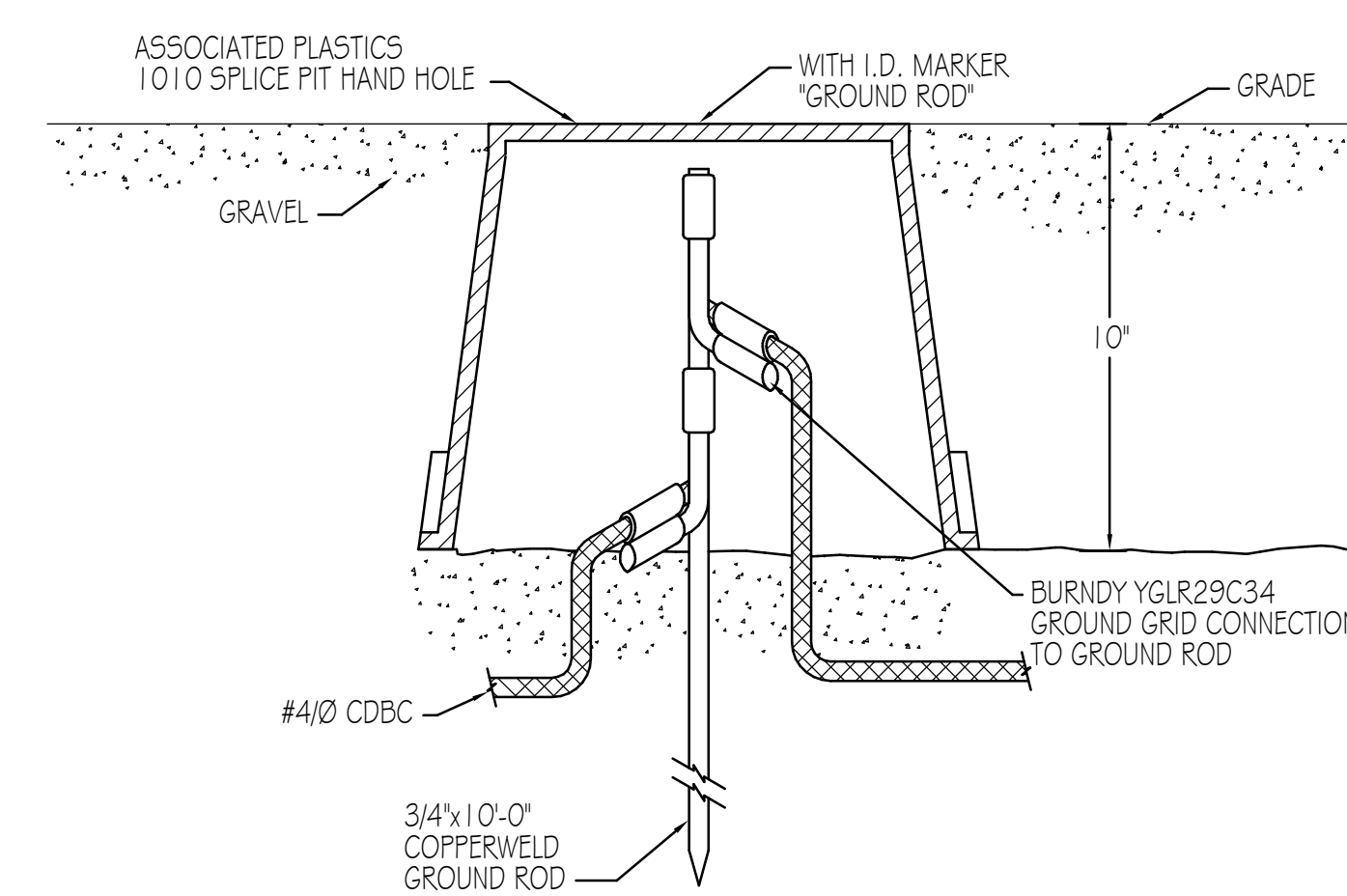
**6 CONDUIT ROOF SUPPORT DETAIL**  
E-502 SCALE: NONE



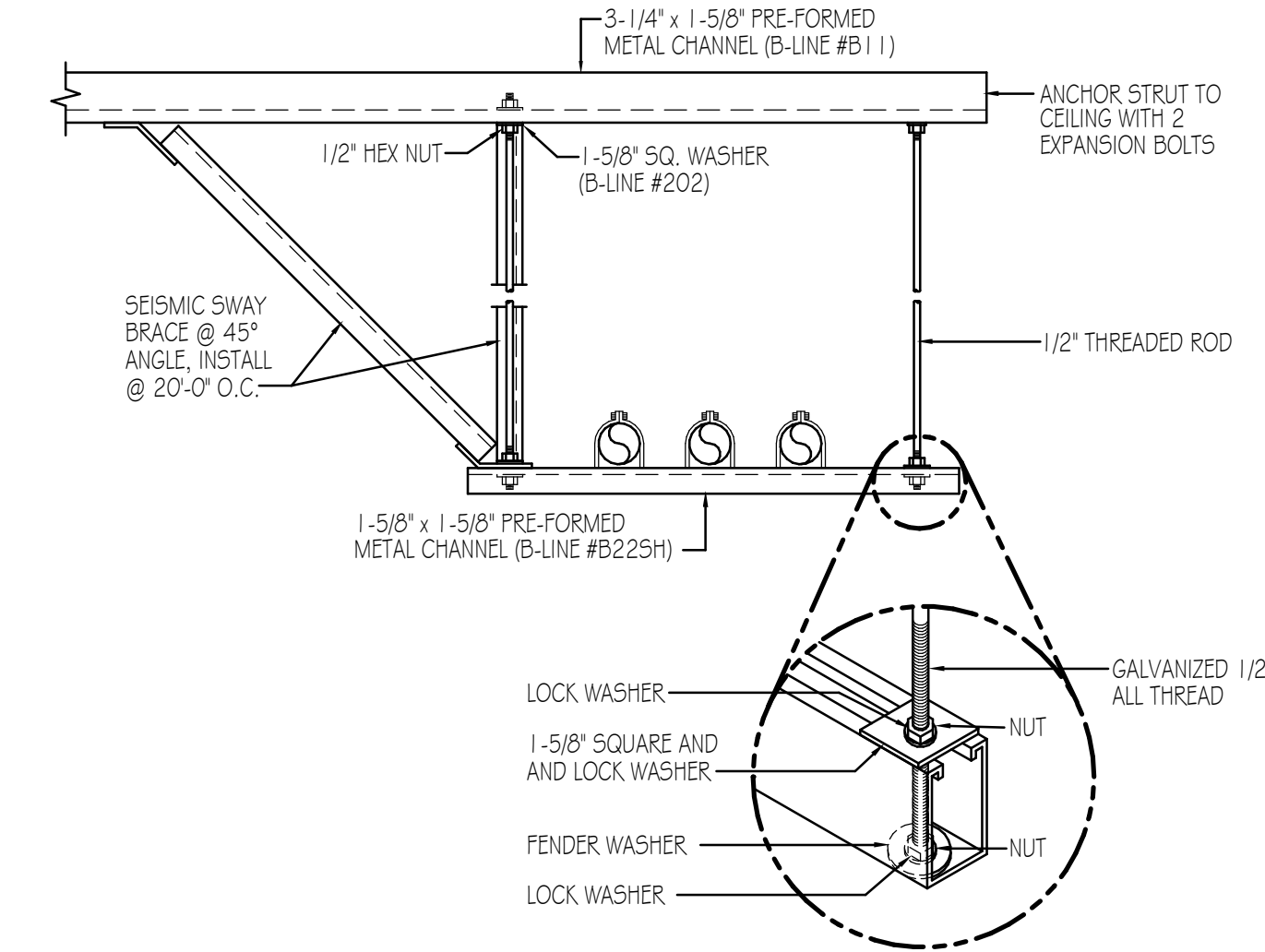
**7 CONDUIT EXPANSION FITTING DETAIL**  
E-502 SCALE: NONE



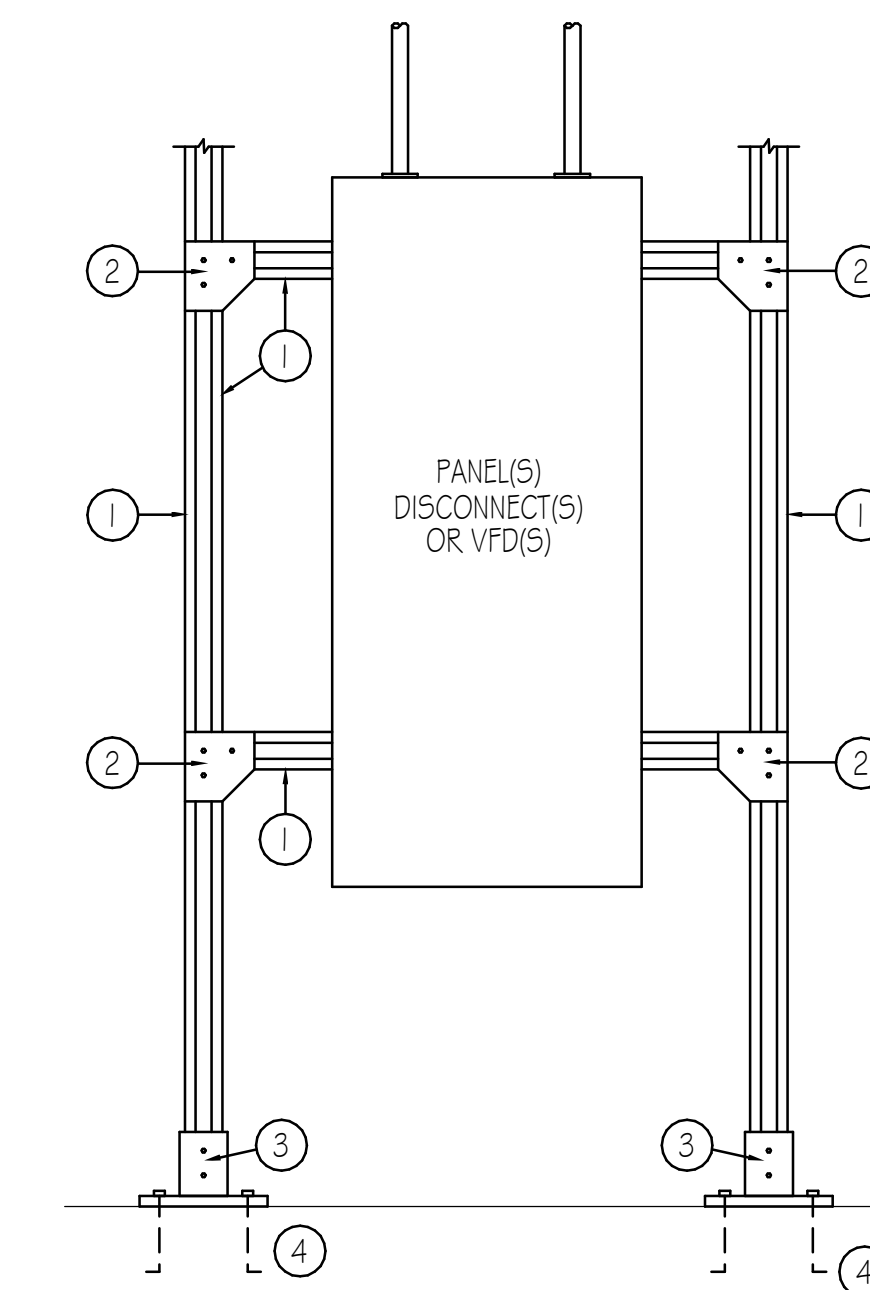
**8 TYPICAL MOTOR LEAD TERMINATION DETAIL**  
E-502 SCALE: NONE



**9 GROUND ROD DETAIL**  
E-502 SCALE: NONE

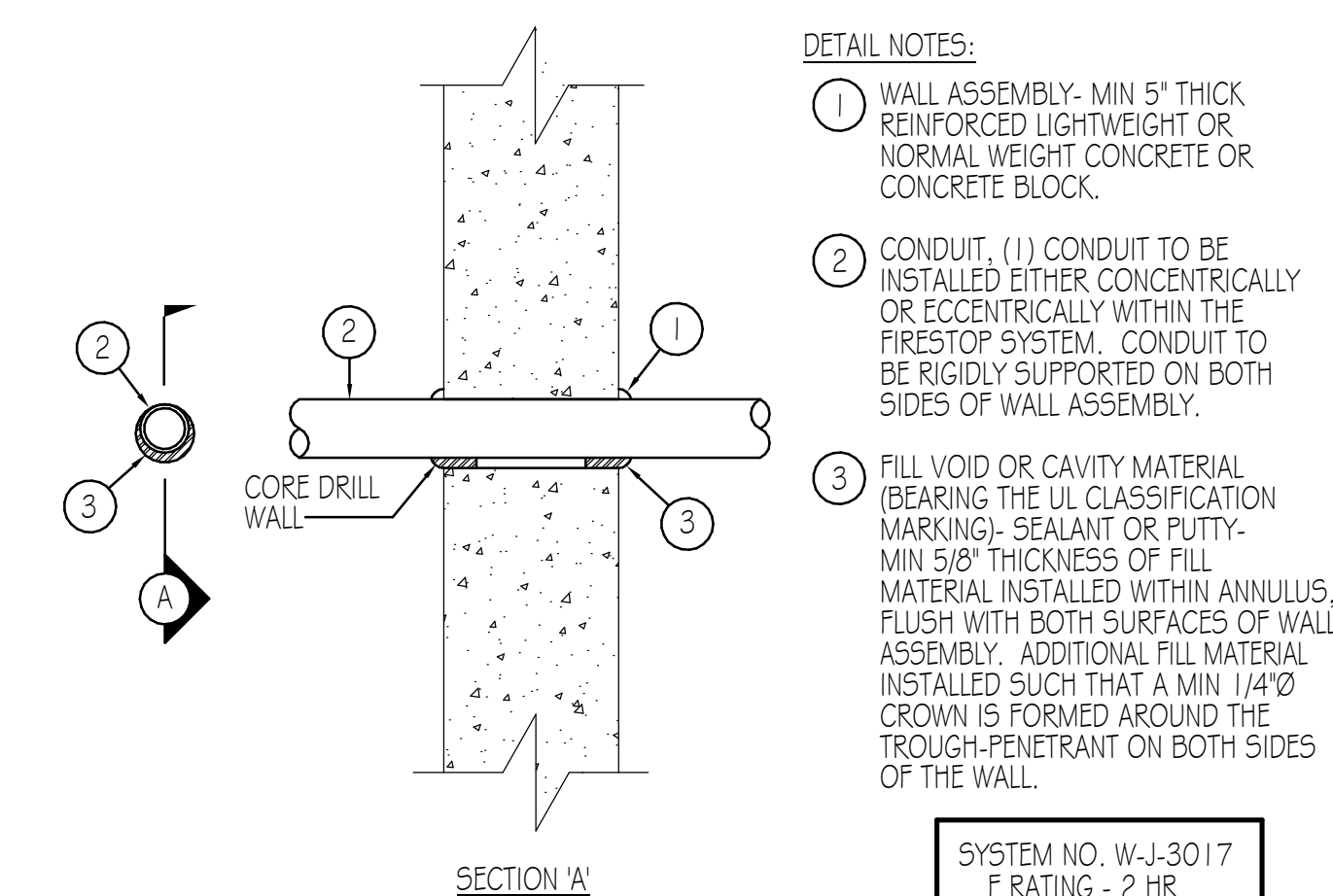


**1 TYPICAL INDOOR CONDUIT SUPPORT DETAIL**  
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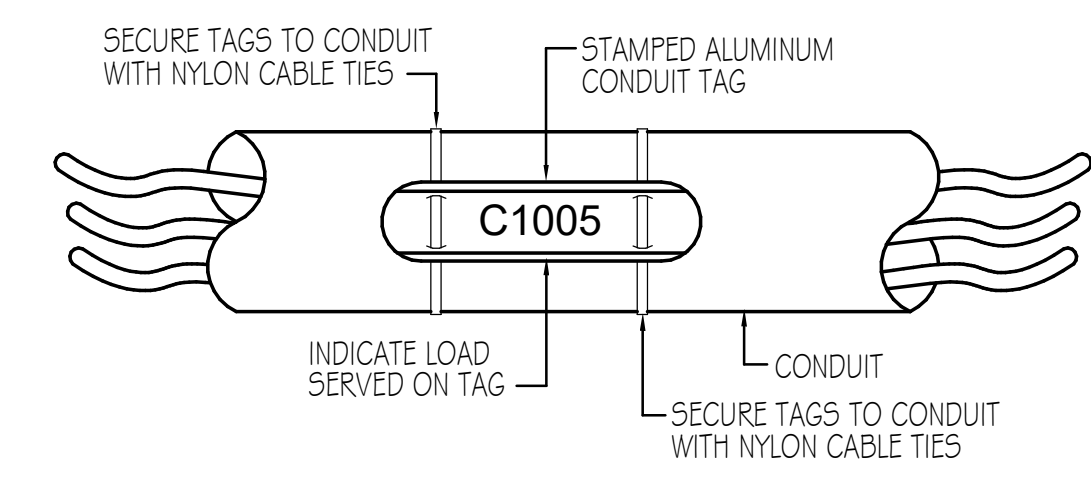


**2 PANEL SUPPORT RACK DETAIL**  
E-502 SCALE: NONE

**2 PANEL SUPPORT RACK DETAIL**  
E-502 SCALE: NONE



**3 2 HOUR FIRE WALL PENETRATION DETAIL**  
E-502 SCALE: NONE



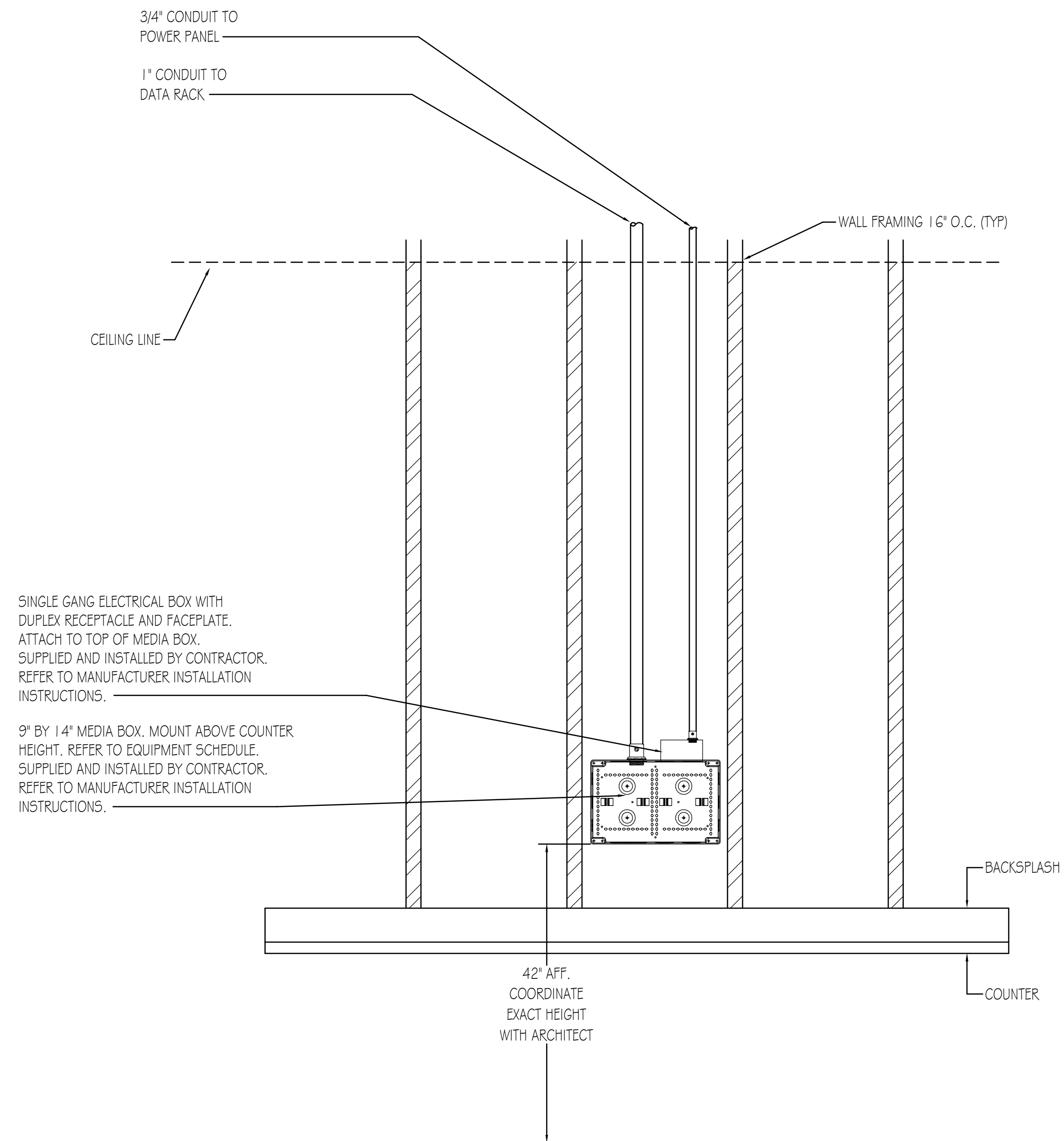
**4 CONDUIT MARKING DETAIL**  
E-502 SCALE: NONE

EXCEPTIONS AND EQUIVALENTS MUST BE EVALUATED BY OWNERS AUDIOVISUAL TEAM BEFORE PURCHASE.

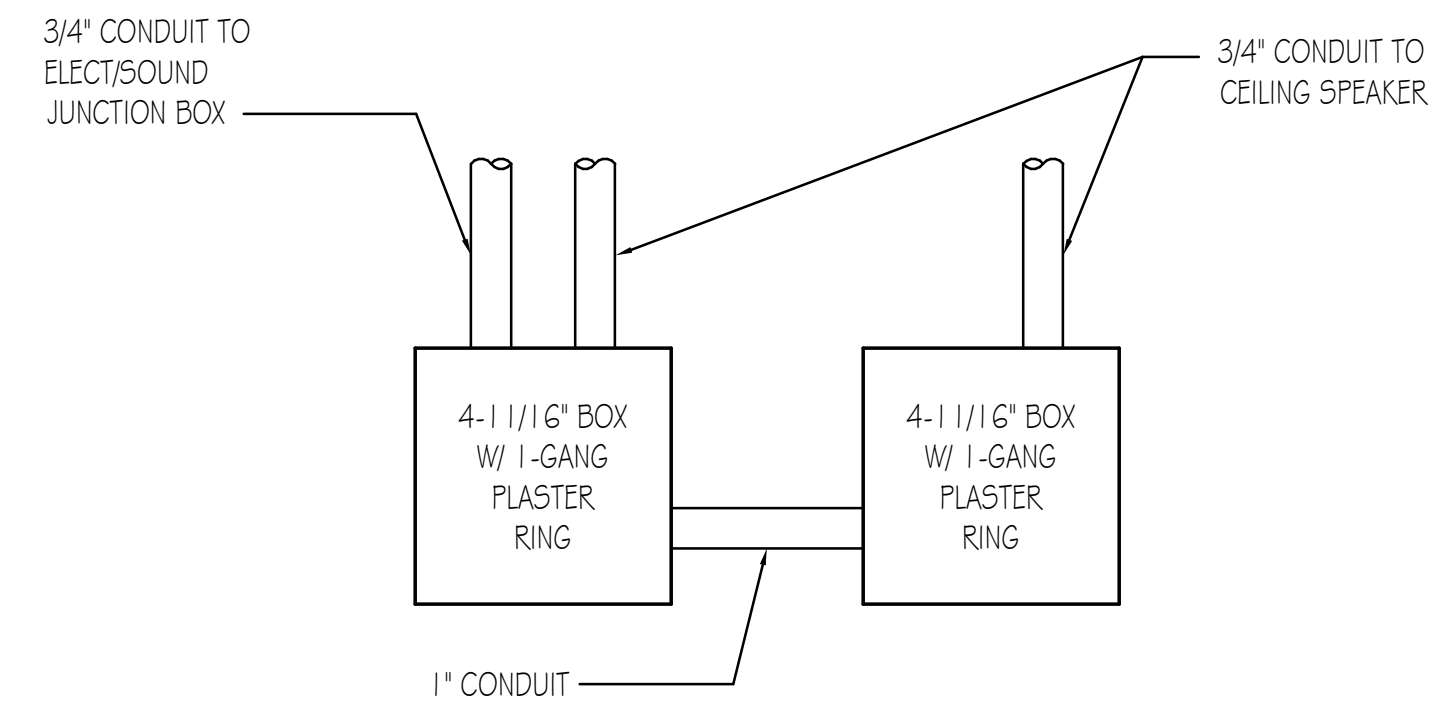
SYMBOL-REF	DESCRIPTION	MODEL#	MANUFACTURER	SUPPLIED BY	INSTALLED BY	QUANTITY
EX101 E-503	70V CEILING SPEAKER, 8" 8W TAP (INSTRUCTION)	8124	JBL	CONTRACTOR	CONTRACTOR	OFF
E-504	MIXER AMPLIFIER, 120 WATT	A-712 AA120	TOA ATLAS SOUND	CONTRACTOR	CONTRACTOR	OFF
E-503	CABLE, USB-C, 20GB, TH3U5B4, 3M	MWP02AM/A	APPLE	CONTRACTOR	CONTRACTOR	1
E-503	CABLE, USB-C, 20GB, TH3U5B4, 1M	MQ4H2AM/A	APPLE	CONTRACTOR	CONTRACTOR	1
E-503	COUPLER, USB-C, F-F, INLINE, 40GB	BOB6X7R7PT	AUVI PAL	CONTRACTOR	CONTRACTOR	1
E-503	CLIP, CABLE, 1/8", WHITE	200-9G5WH	STEREN	CONTRACTOR	CONTRACTOR	1
E-503	CABLE, AUDIO, 3.5MM TO 3.5MM, M-M, 2M	ANY	ANY	CONTRACTOR	CONTRACTOR	1
E-503	CABLE, HDMI, M-M, >1.3 VER, 3M	15429	MONOPRICE (OR EQUIVALENT)	CONTRACTOR	CONTRACTOR	1
E-503	ADAPTER, USB-C TO HDMI AND CHARGING	A2119	APPLE	CONTRACTOR	CONTRACTOR	1
E-503	WALL PLATE, BRUSH, WHITE, CABLE PASS THROUGH	4330143522	VCE (OR EQUIVALENT)	CONTRACTOR	CONTRACTOR	1
E-503	POWER ADAPTER, 20W, USB-C, WITH CABLE	A2149	ANKER	CONTRACTOR	CONTRACTOR	1
E-503	CONVERTER, EDID MANAGER, AUDIO EXTRACTOR, HDMI	CON-H2-EDID HDTVDA0101AU1 KD-52x1x-2 HAE 100 4K +	WIRESTORM WOLFPACK KEY DIGITAL EXTRON	CONTRACTOR	CONTRACTOR	1
E-503	CABLE, 2 CONDUCTOR, 16 AWG, STRANDED (SPEAKER)	8471	BELDEN	CONTRACTOR	CONTRACTOR	AR
E-503	MEDIA WALL BOX, 9"x14"	ENP0905AV1 OnQ	LEGRAND	CONTRACTOR	CONTRACTOR	2
E-504	VOLUME CONTROL, LABEL AS PER DETAIL	MCS-V35 AT35D	EMTECH ATLAS SOUND	CONTRACTOR	CONTRACTOR	OFF
E-503	BELL SYSTEM CONTROLLER	8301 PAGING ADAPTER	ALGO	CONTRACTOR	CONTRACTOR	OFF

QUANTITY: OFF - OBTAIN FROM PRINT  
QUANTITY: AR - AS REQUIRED FOR UNKNOWN QUANTITY

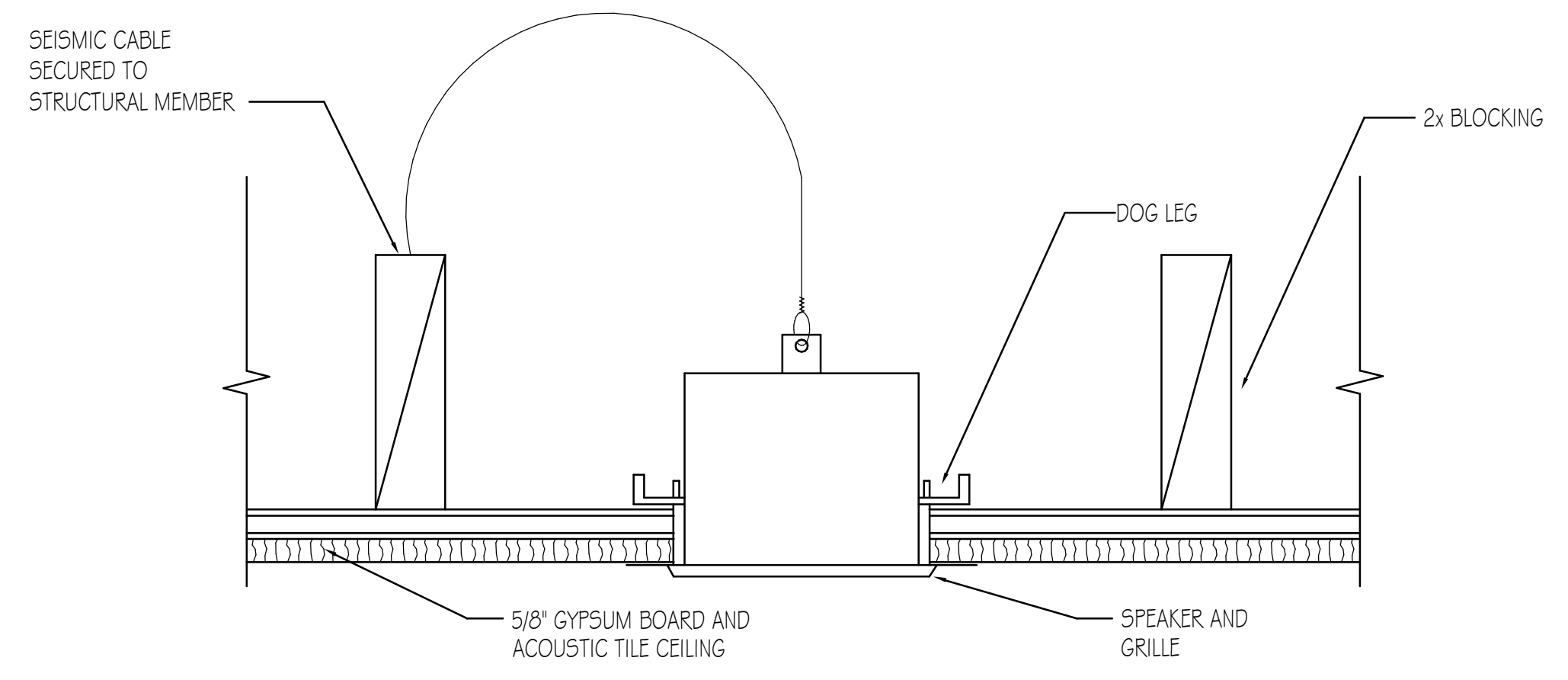
**3 AUDIOVISUAL EQUIPMENT SCHEDULE**  
E-503 SCALE: NONE



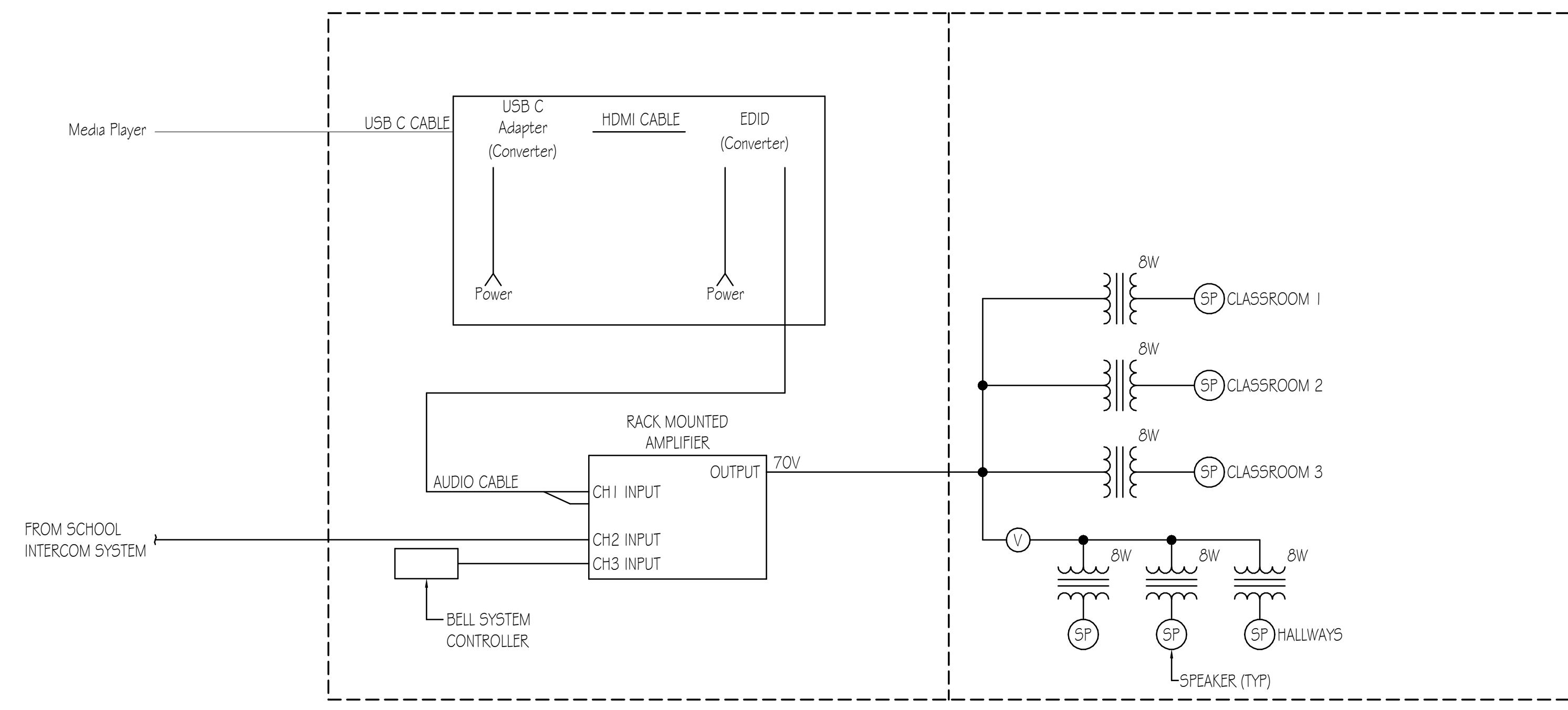
**1 SOUND SYSTEM USER INTERFACE DETAIL**  
E-503 SCALE: NONE



**4 VOLUME CONTROL DETAIL**  
E-503 SCALE: NONE

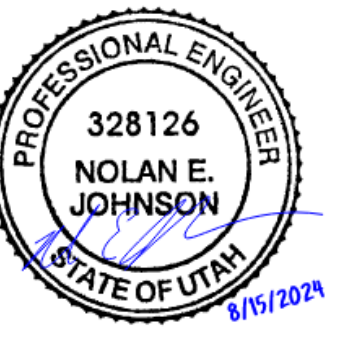


**5 SPEAKER SEISMIC DETAIL**  
E-503 SCALE: NONE



System Diagram

**2 AUDIOVISUAL SYSTEM DIAGRAM**  
E-503 SCALE: NONE

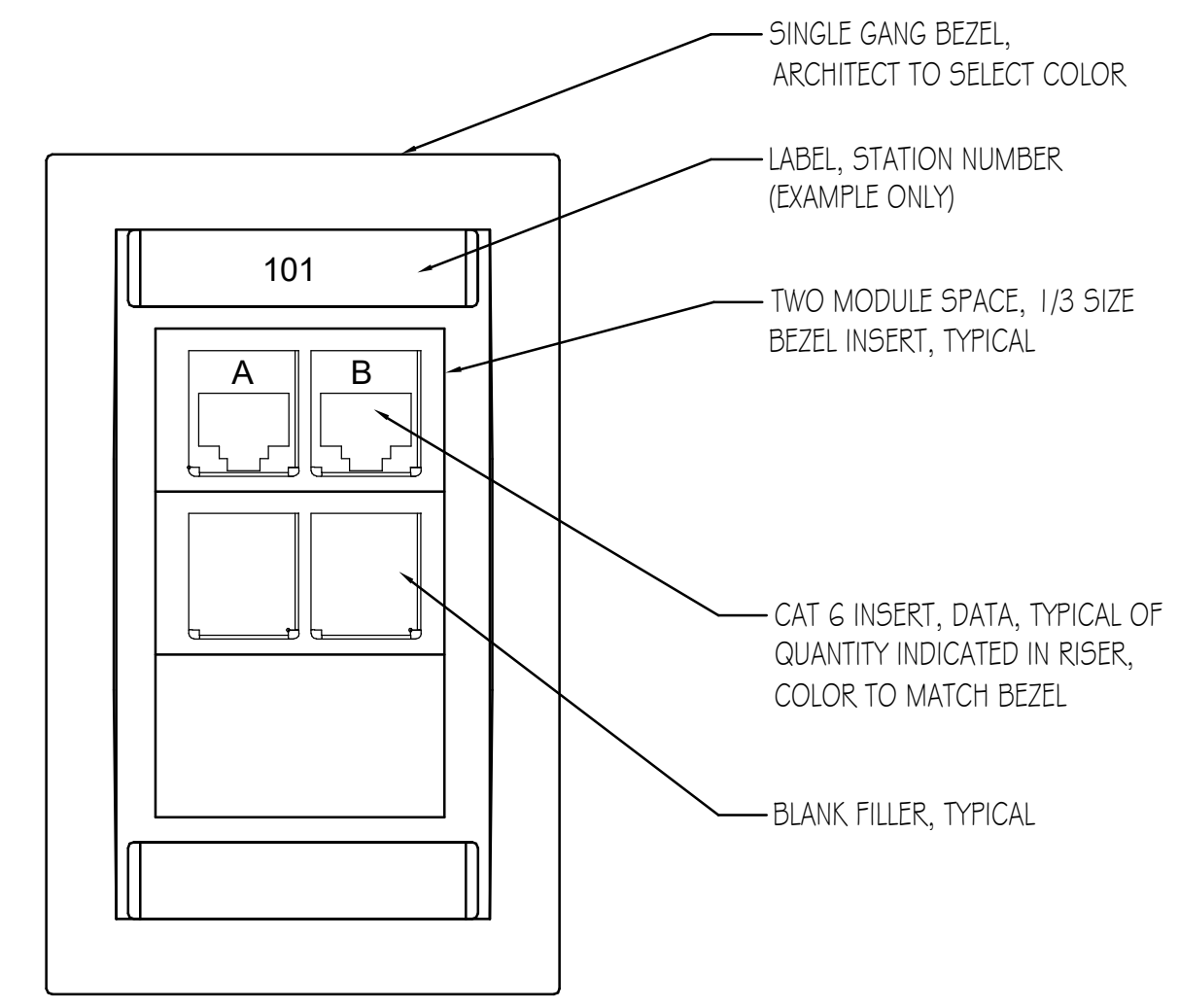


DATE REVISION

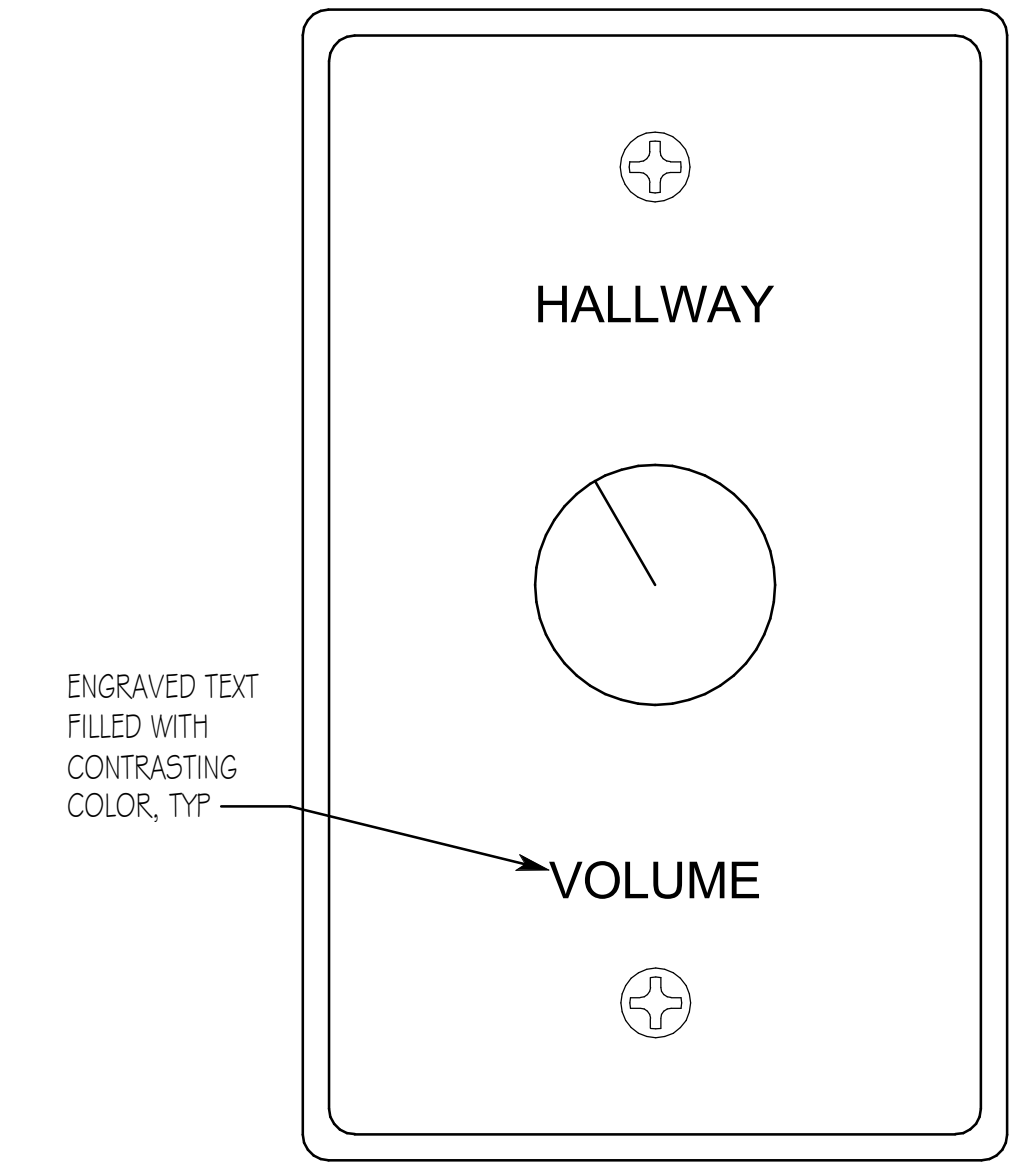
PROJECT NUMBER 24003

**ELECTRICAL DETAILS**





**4 TYPICAL VOICE-DATA OUTLET DETAIL**  
E-504 SCALE: NONE



**1 VOLUME CONTROLS DETAIL**  
E-504 SCALE: NONE

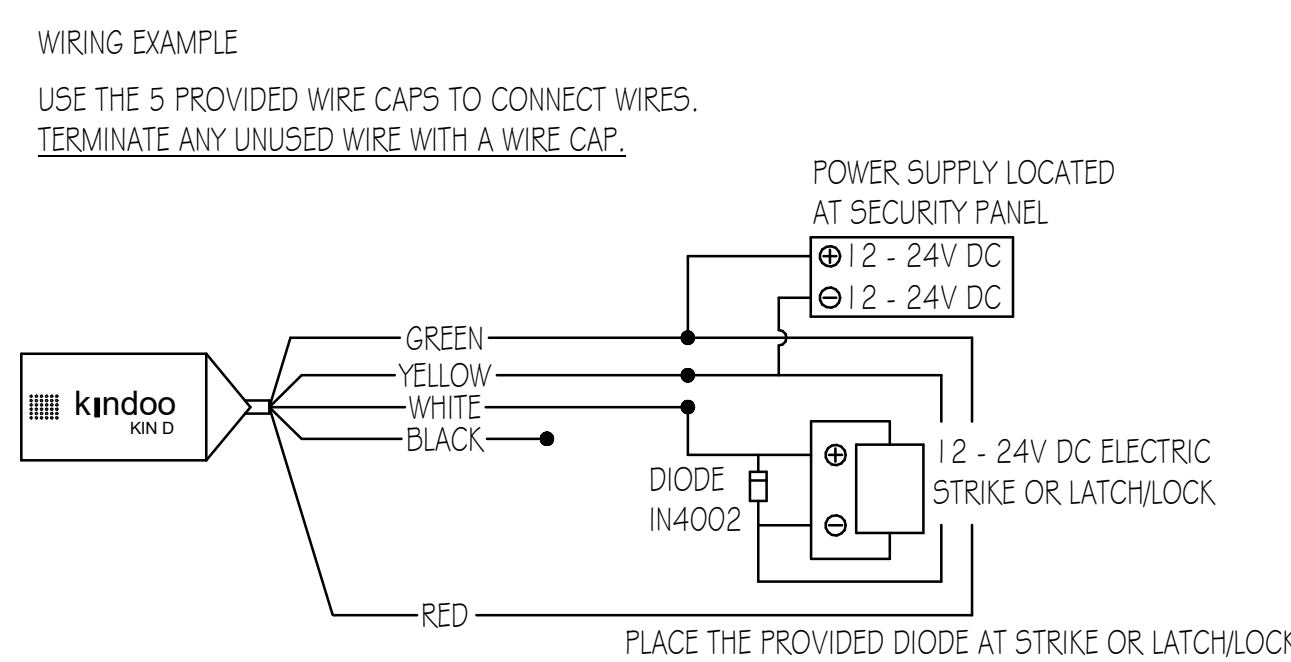
**WIRE COLOR CODING**

GREEN AND YELLOW WIRES CONNECTED TO A 12V - 24V DC OR AC POWER SUPPLY

THE RED WIRE IS THE COMMON (C) OF THE CONTACTS (TYPICALLY 12V - 24V DC OR AC)

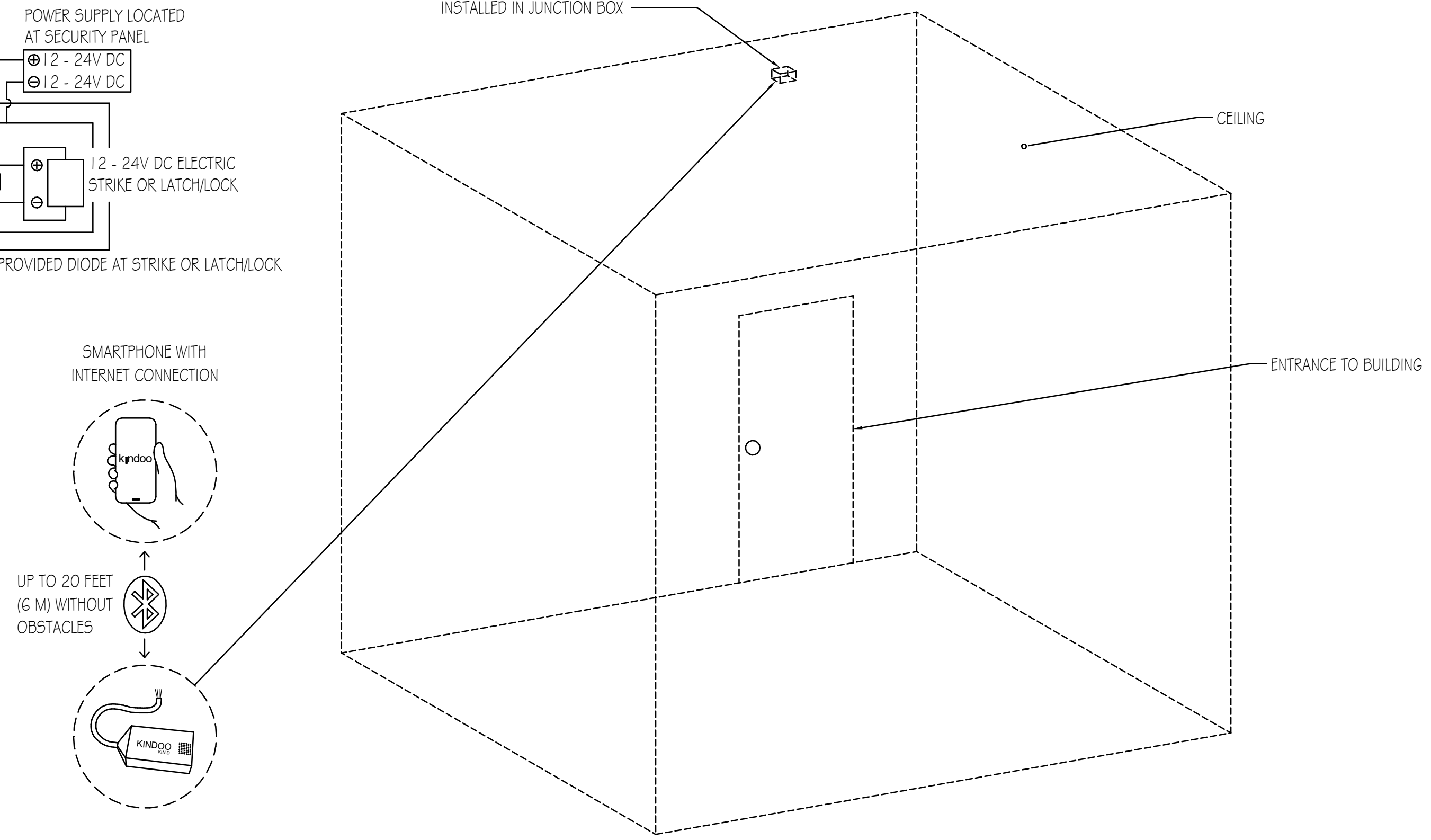
THE WHITE WIRE IS NORMALLY OPEN (NO)

THE BLACK WIRE IS NORMALLY CLOSED (NC)

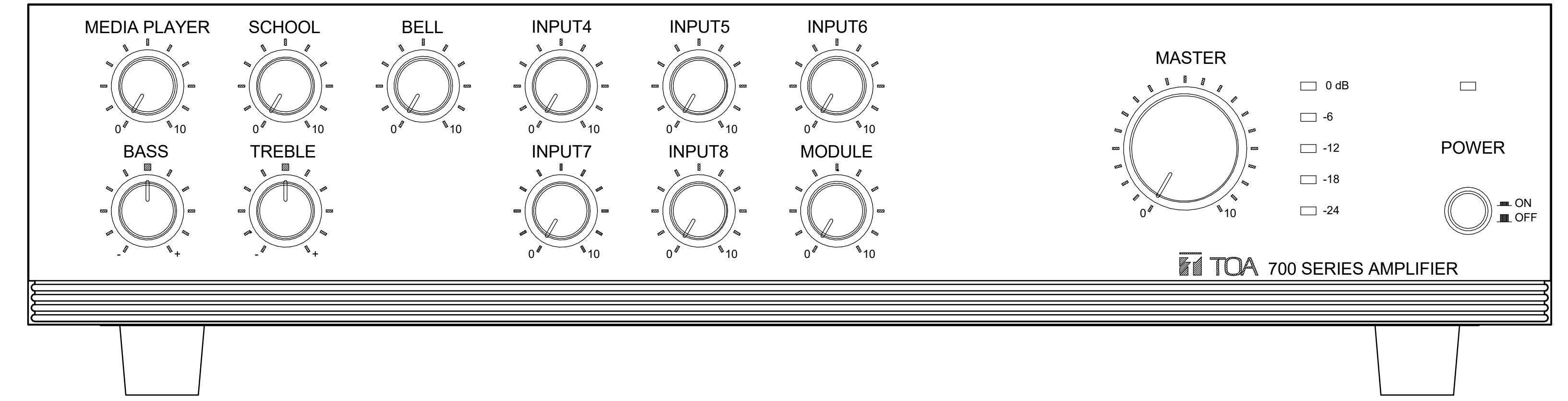


4-1 1/16" FIBERGLASS OR PVC JUNCTION BOX. PLACE ON CEILING ABOVE DOOR. COORDINATE LOCATION WITH ARCHITECT. MIN D 2.0 DEVICE INSTALLED IN JUNCTION BOX

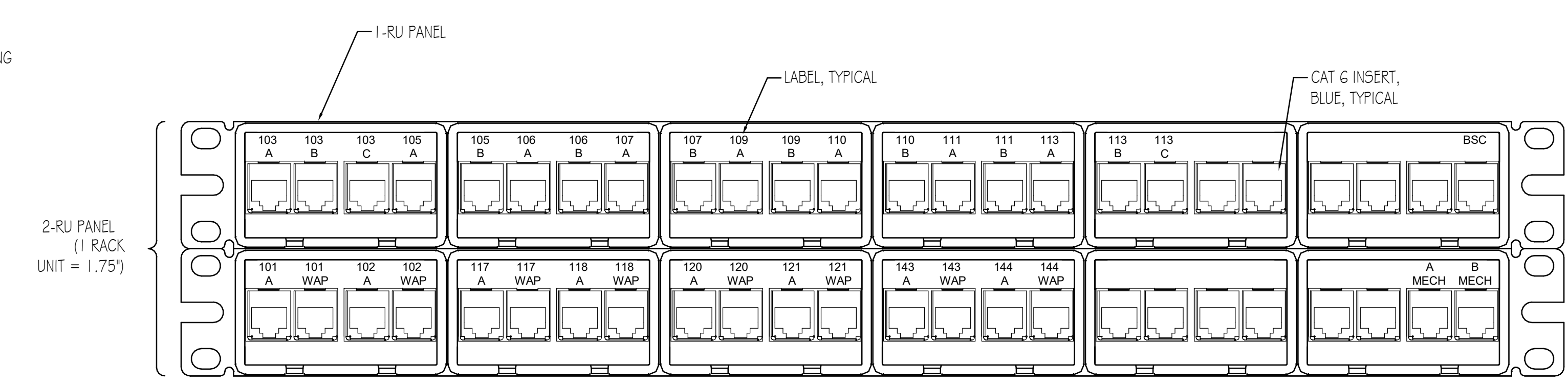
**GENERAL NOTE:** TEST FOR FUNCTIONALITY BEFORE FINAL PLACEMENT.



**5 KINDOO DETAIL**  
E-504 SCALE: NONE

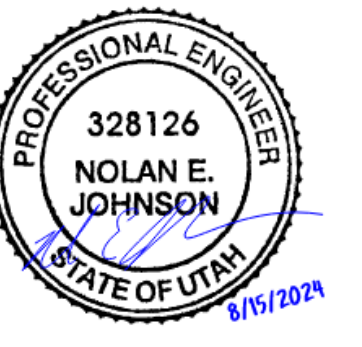


**2 MIXER AMPLIFIER LABELS DETAIL**  
E-504 SCALE: NONE



**NOTE:** NUMBER SHOWN MATCHES DESIGN ROOM NUMBERS. FINAL LABELING FOR PATCH PANEL AND OUTLETS SHALL MATCH SIGNAGE POSTED FOR ROOMS.

**3 PATCH PANEL DETAIL - 48 PORT**  
E-504 SCALE: NONE



DATE REVISION

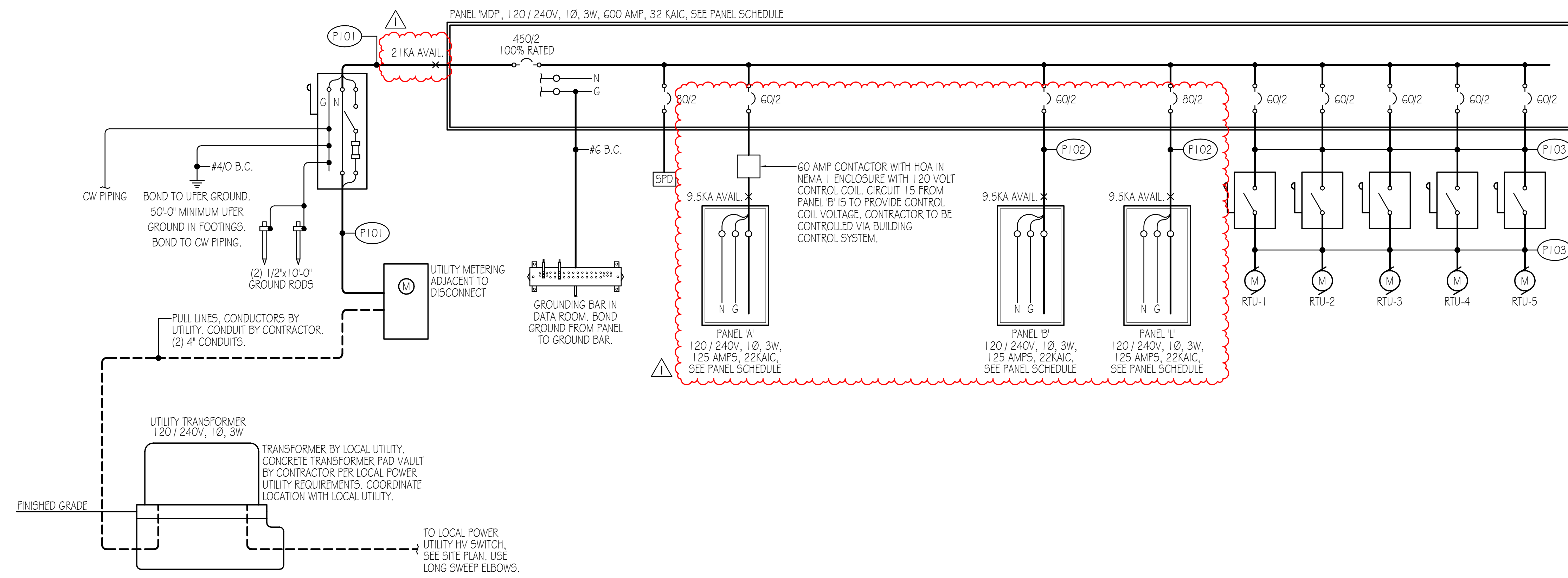
PROJECT NUMBER 24003

**ELECTRICAL**  
DETAILS

11/22/2024 3:31:18 PM

**CONDUIT SCHEDULE**

P101	2	P:	2 - 350	3'
		N:	1-350	
		G:	1-#1	
P102	1	P:	2 - #1	1 1/2'
		N:	1-#1	
		G:	1-#6	
P103	1	P:	2 - #6	1'
		N:	1-#6	
		G:	1-#6	



**ELECTRICAL ONE-LINE DIAGRAM**  
SCALE: NONE



DATE: 11.22.24  
REVISION: ADD #1

PROJECT NUMBER: 24003

**ELECTRICAL ONE-LINE DIAGRAM**