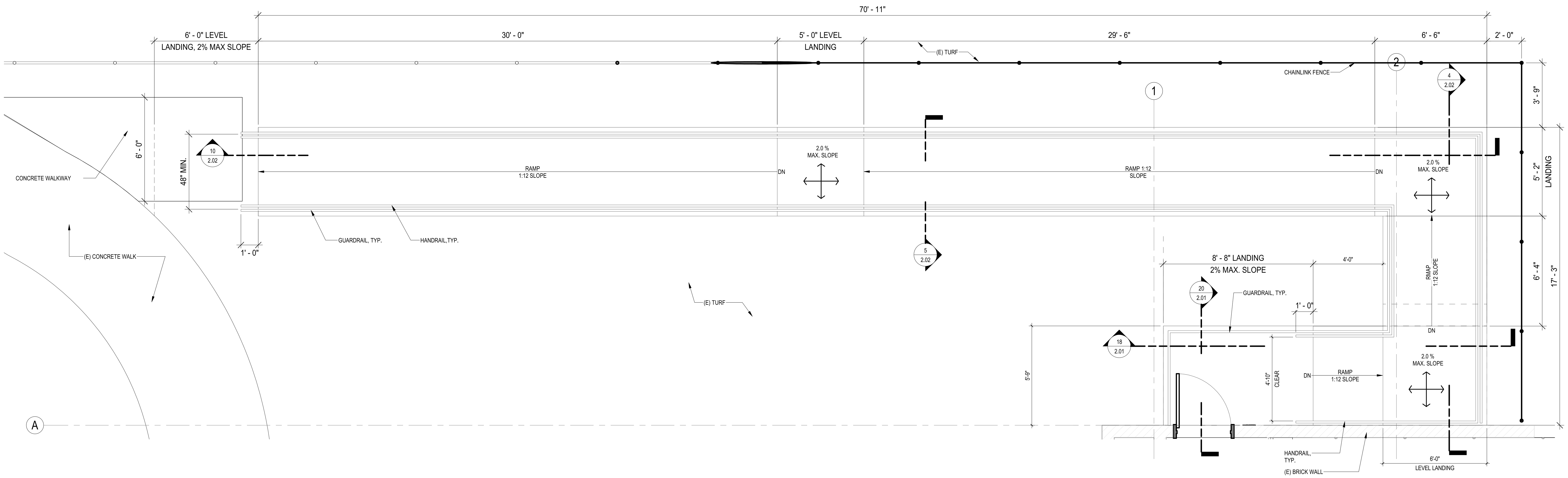
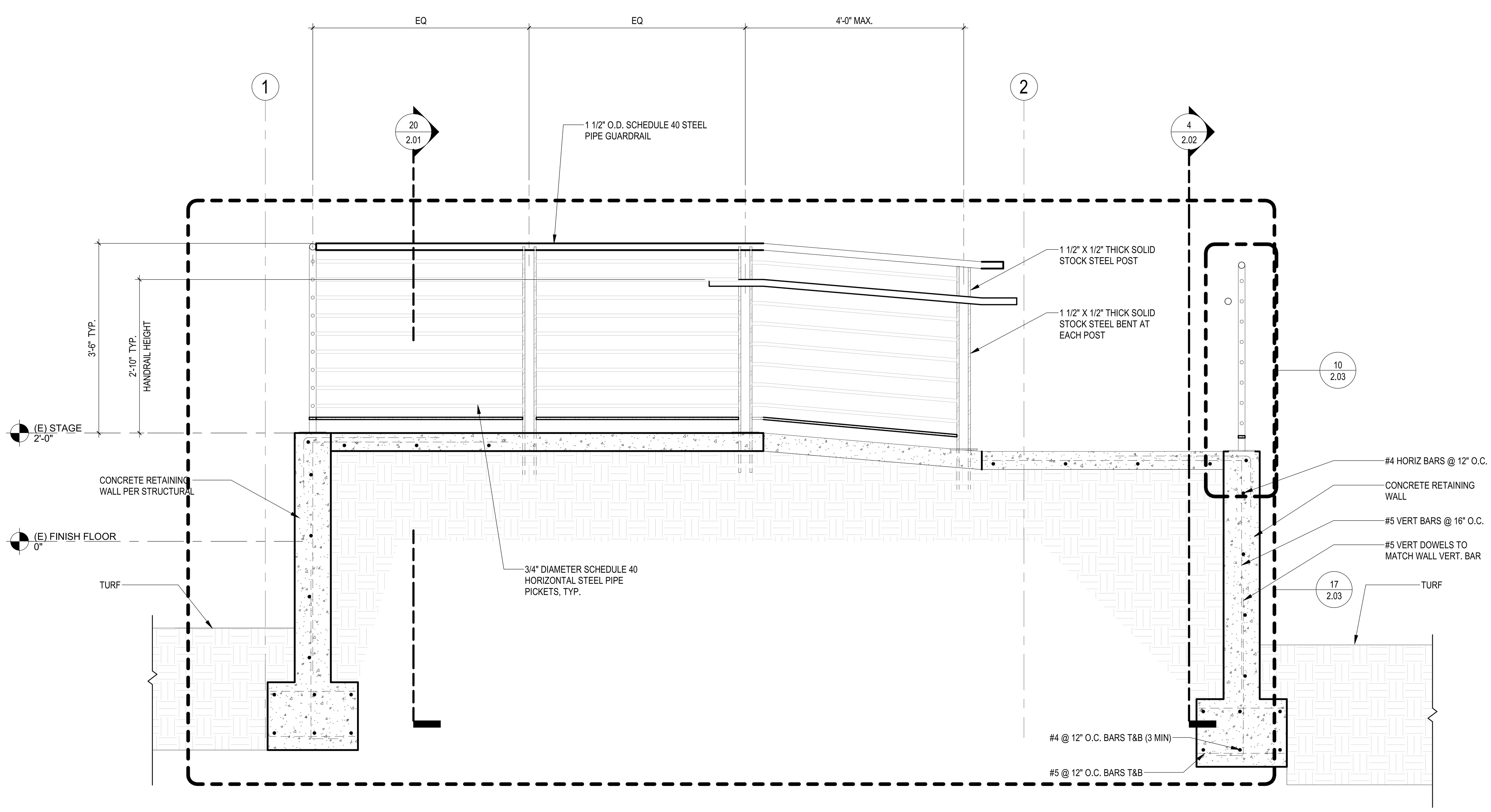


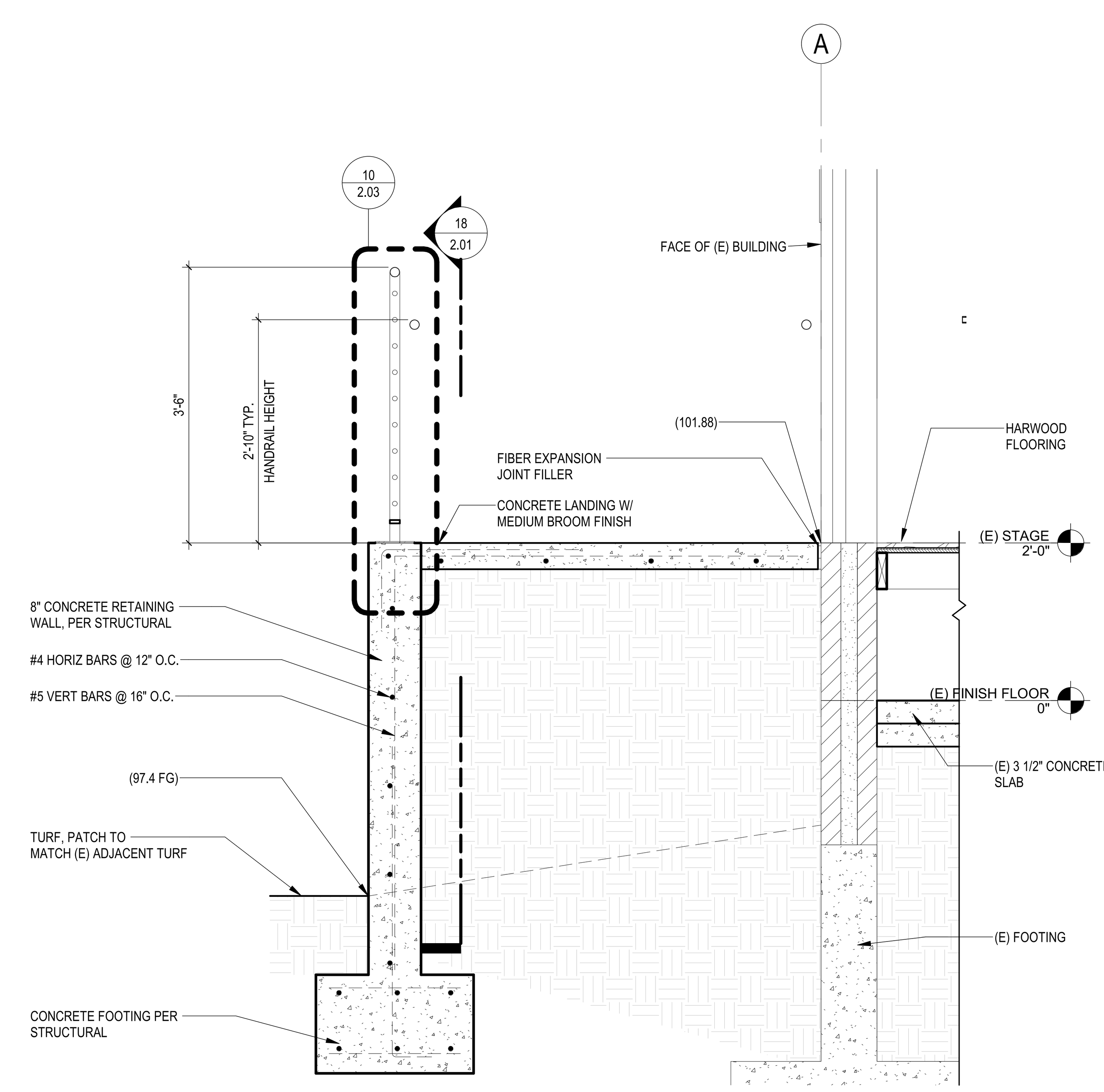
BID ALTERNATE NO.2 - ENLARGED PLAN AT EXTERIOR RAMP 2 | 10

SCALE: 3/8" = 1'-0"



BID ALTERNATE NO.2 - EXTERIOR RAMP SECTION 1 | 18

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



BID ALTERNATE NO. 2 - EXTERIOR RAMP CROSS SECTION AT TOP LANDING | 20

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

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date: 02.28.2025

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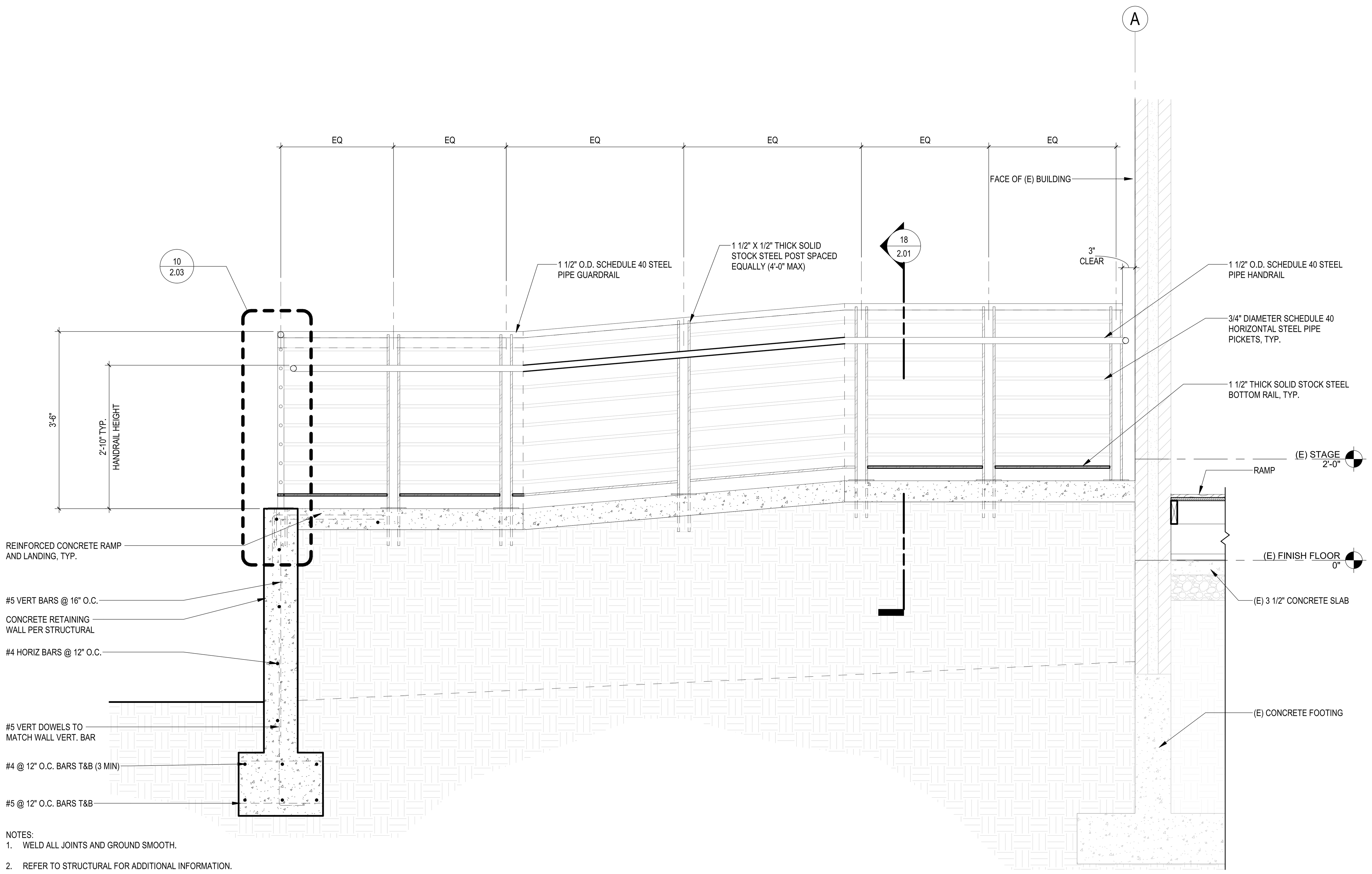
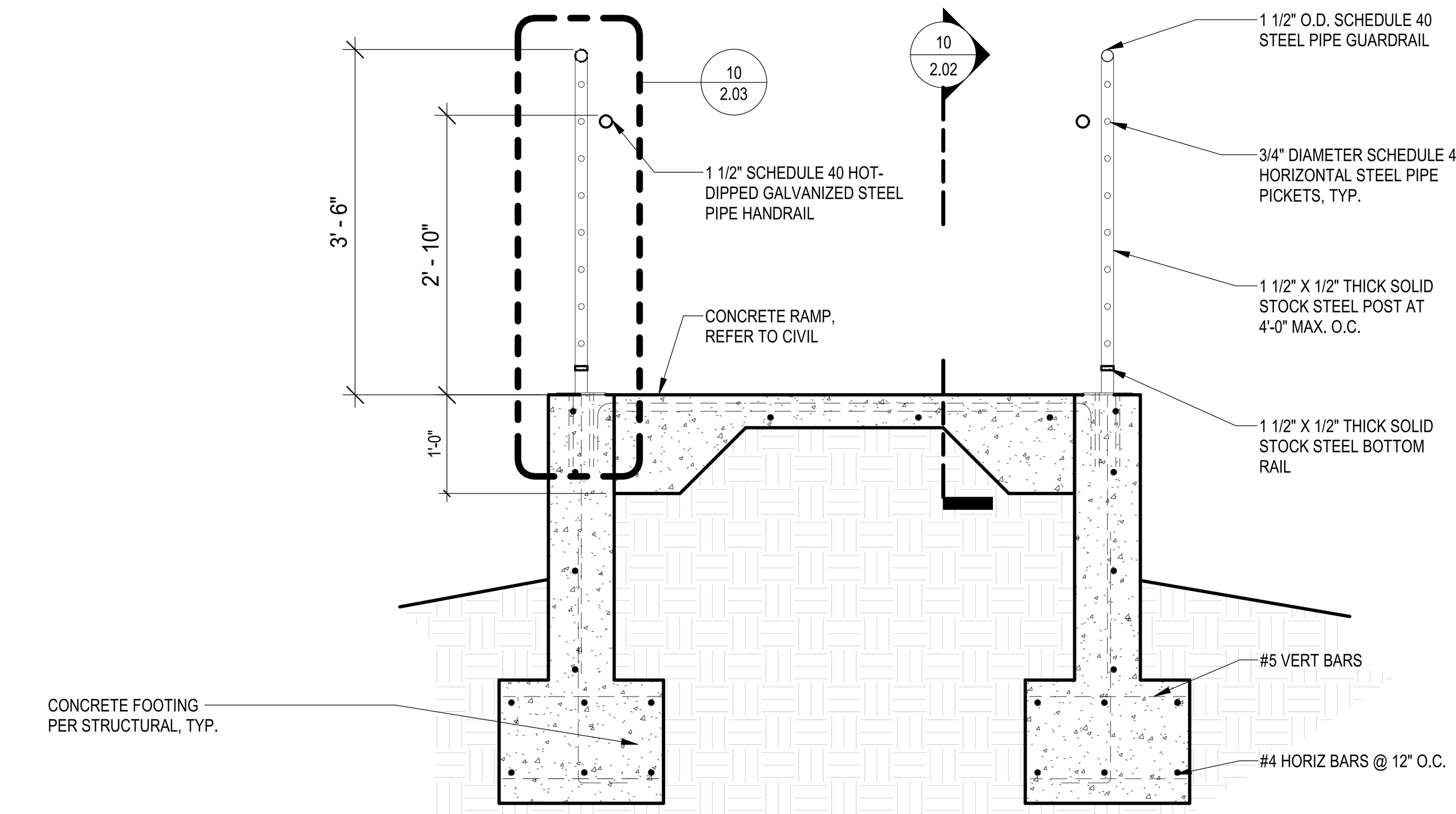
2.01



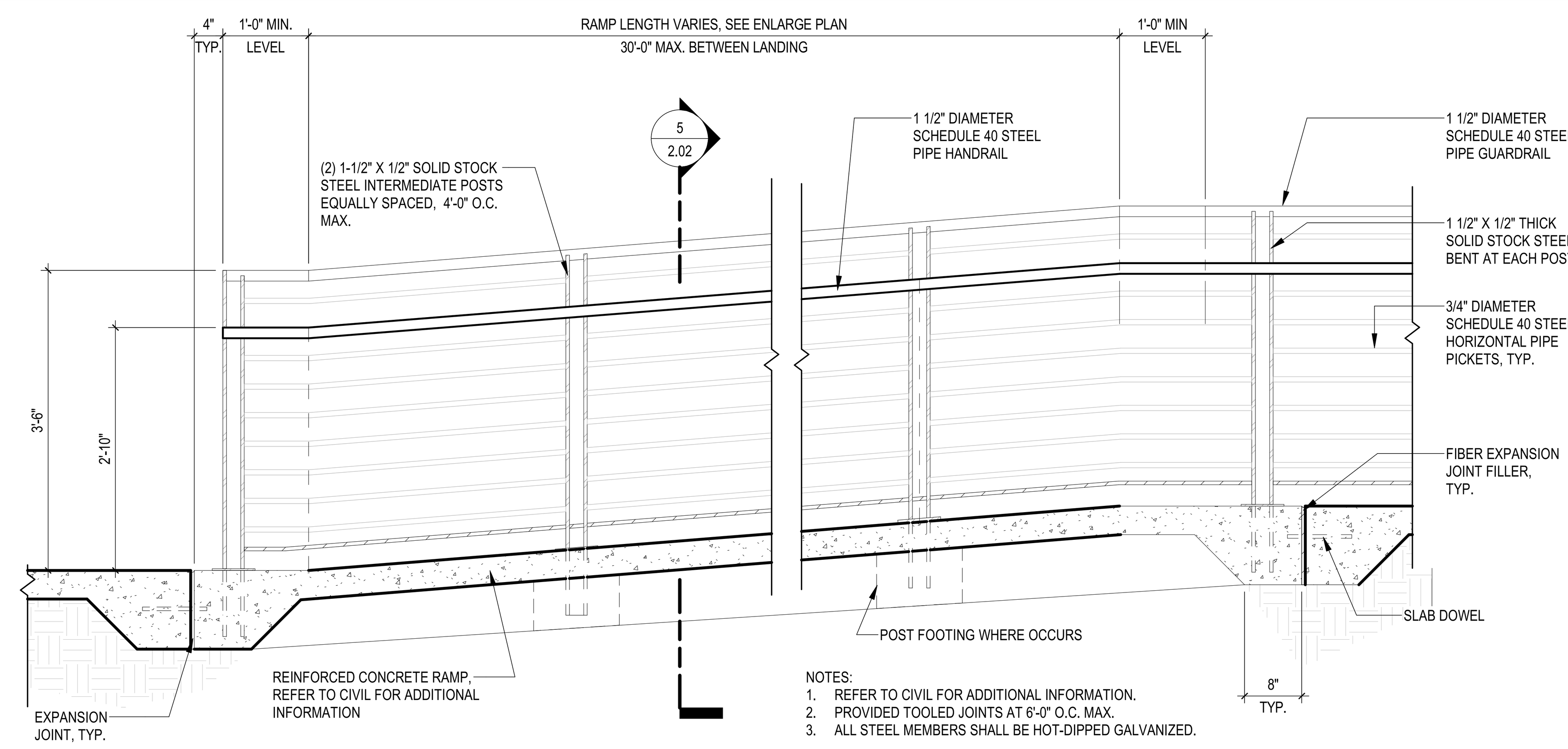
BID ALTERNTE NO. 2 - EXTERIOR RAMP 2 - SECTION 2 | 4

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



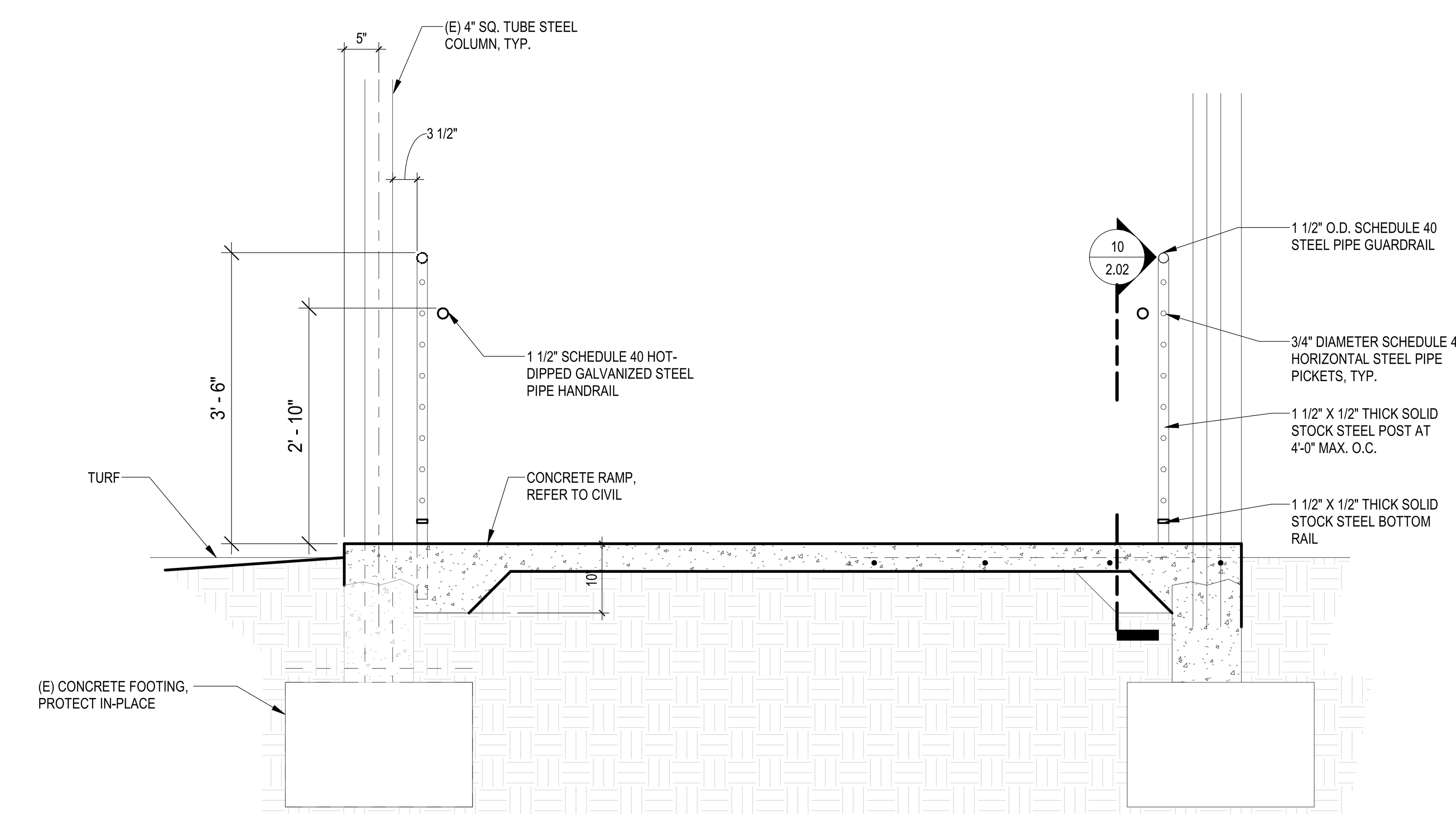
BID ALTERNATE NO. 2 - TYP. CROSS SECTION AT EXTERIOR RAMP 2 | 5

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



BID ALTERNATE NO. 2 - EXTERIOR RAMP 2 - TYP. LONGITUDINAL SECTION | 10

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



BID ALTERNATE NO. 2 - TYP. CROSS SECTION AT EXTERIOR RAMP 1 | 20

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

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file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/28/2025 11:11:47 AM

rev:	date:	description:

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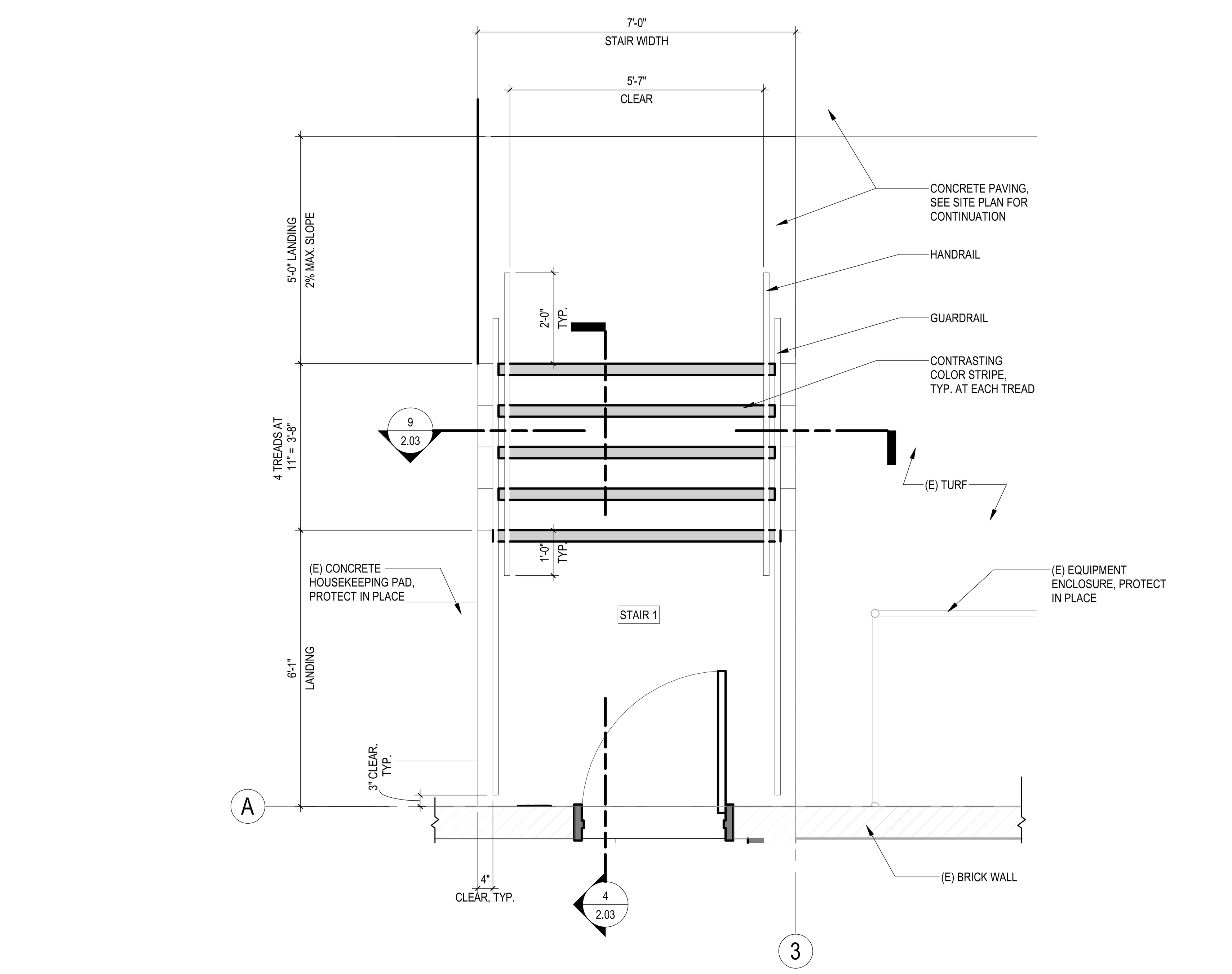
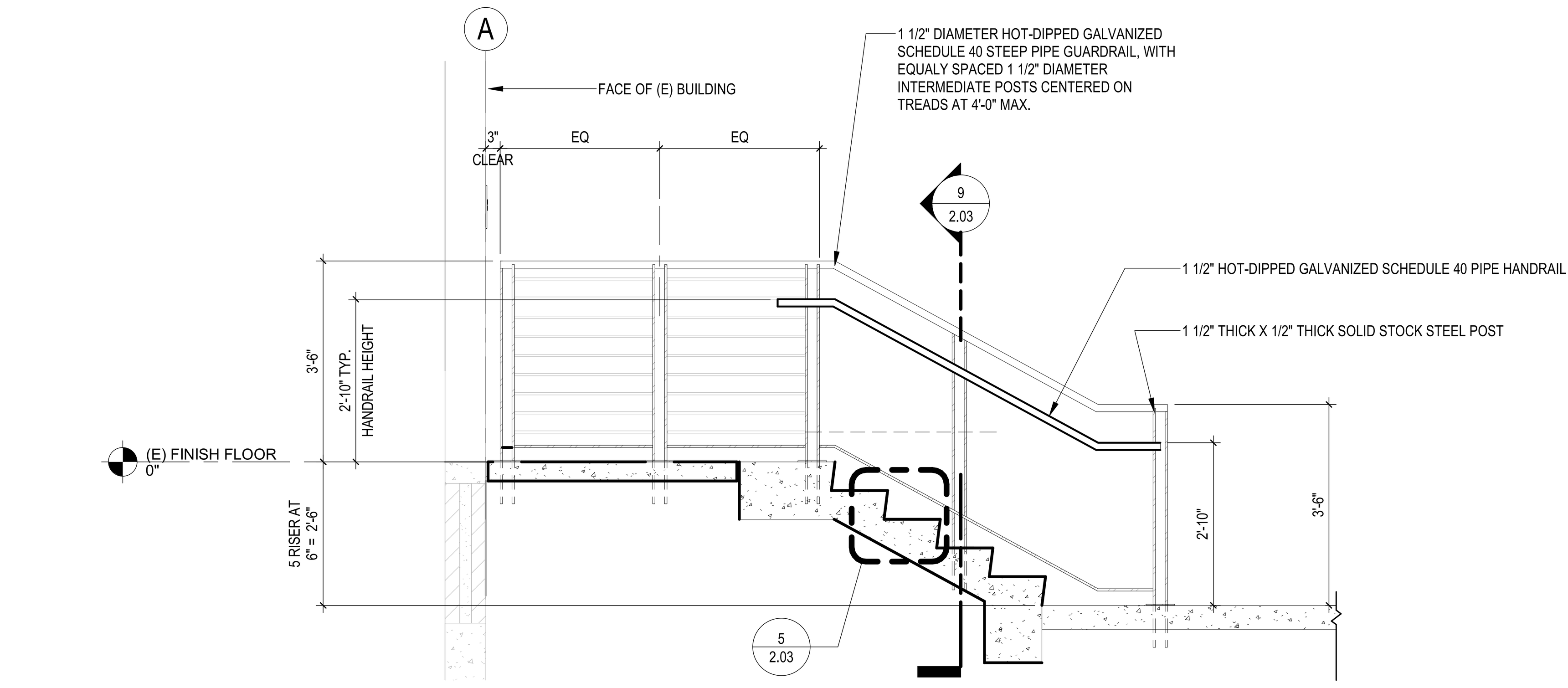
RAMP DETAILS

drawing no.:

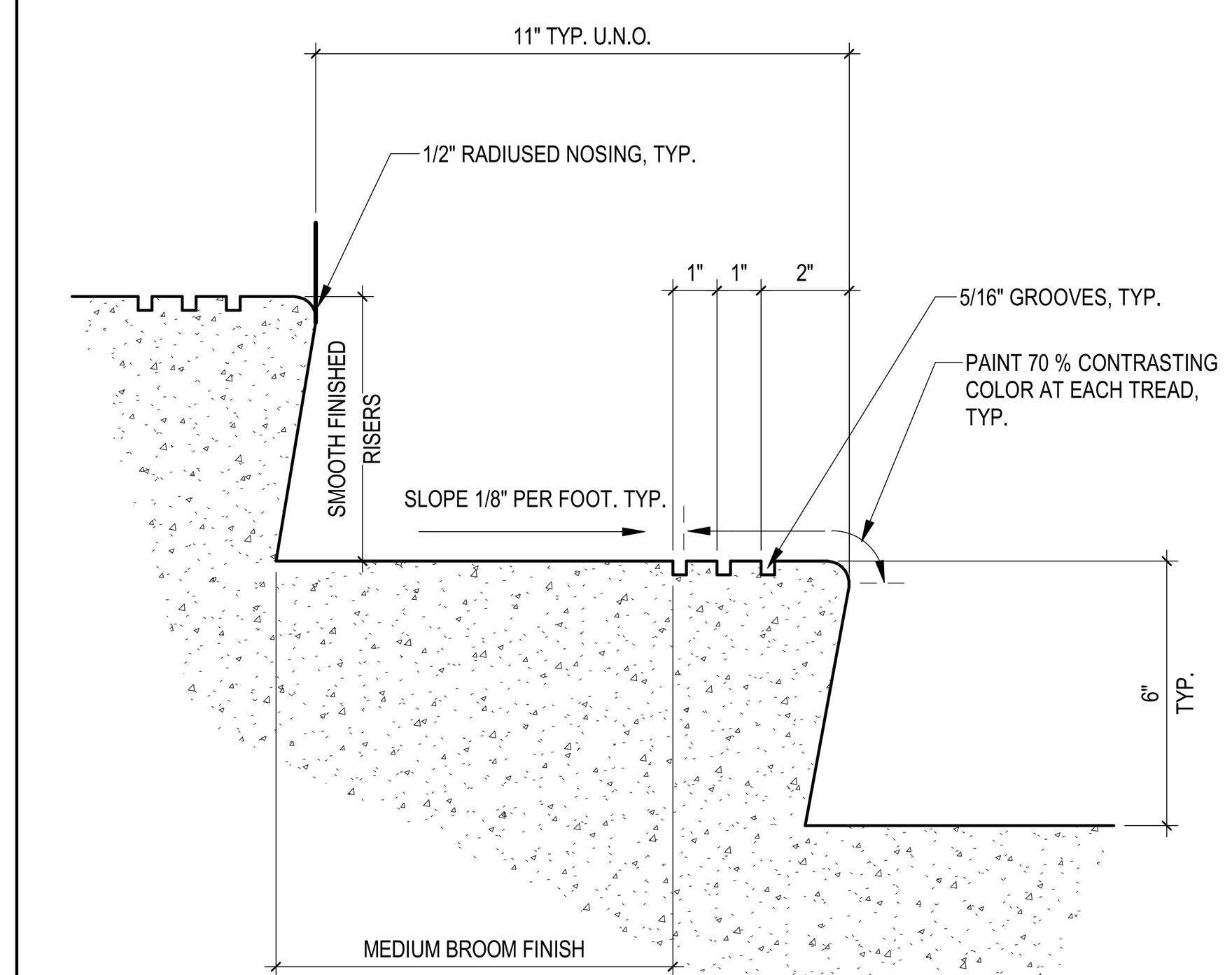
2.02



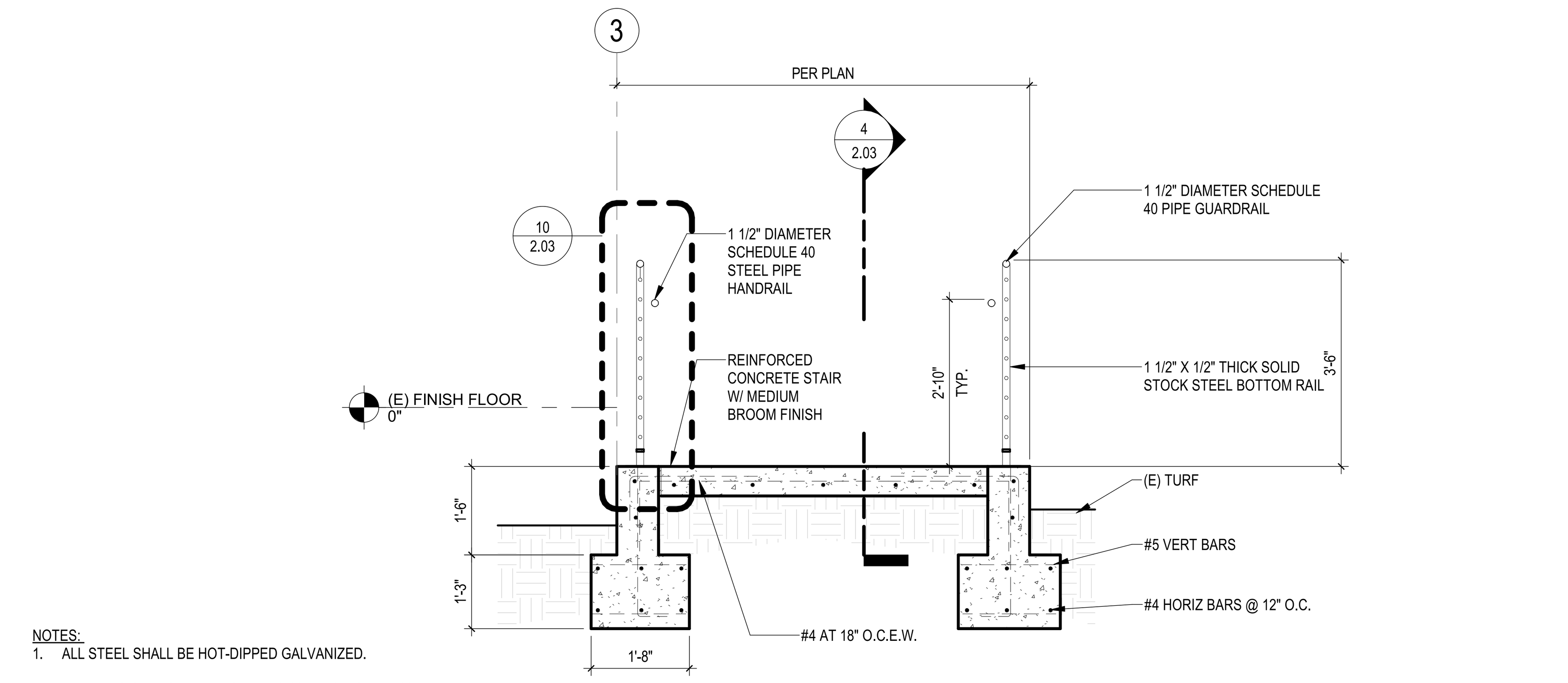
EXTERIOR STAIR 1 - ENLARGED PLAN 7
SCALE: 1/2" = 1'-0"



EXTERIOR STAIR 1 - TYP. SECTION 4
SCALE: 1/2" = 1'-0"

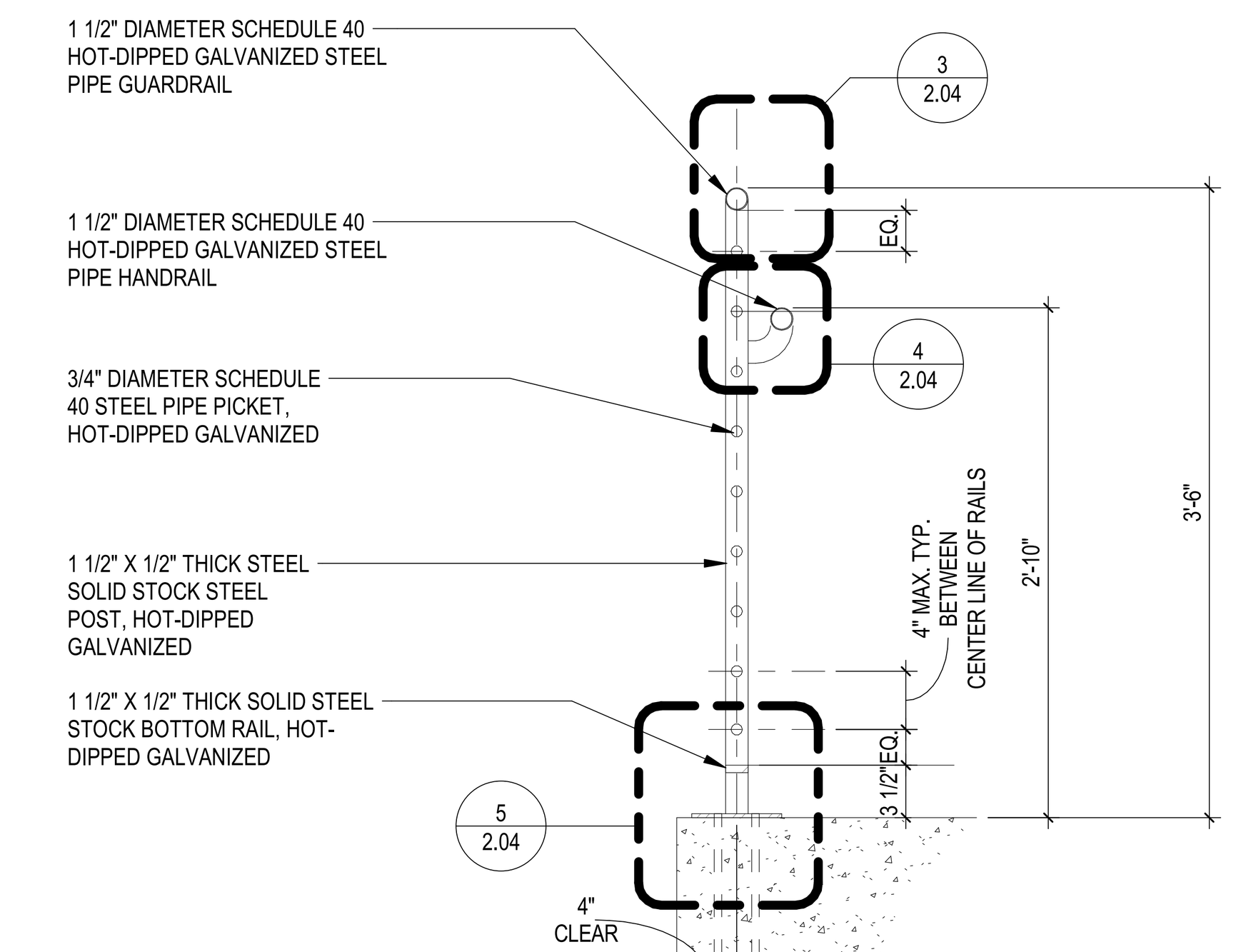


TYP. EXTERIOR STAIR TREAD 5
SCALE: 3" = 1'-0"

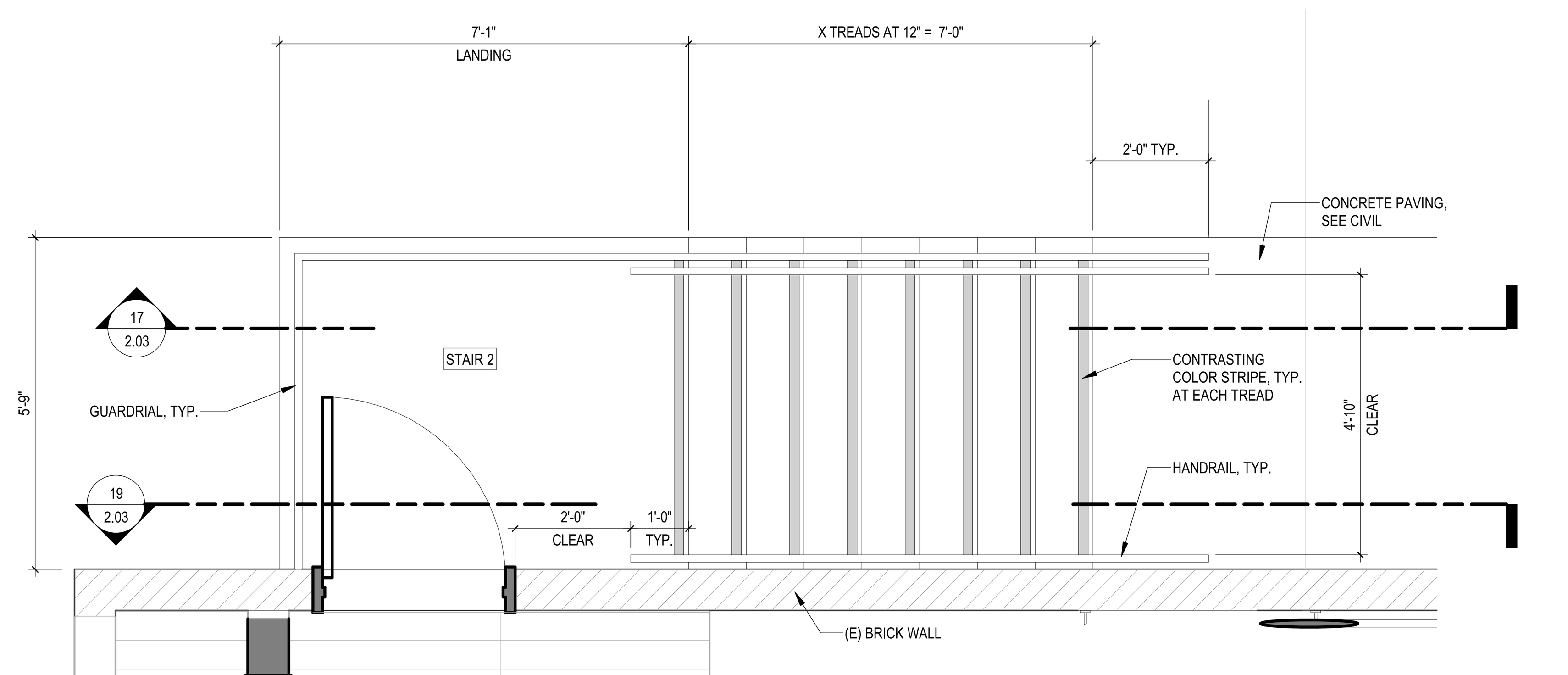


NOTES:
1. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED.
2. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.

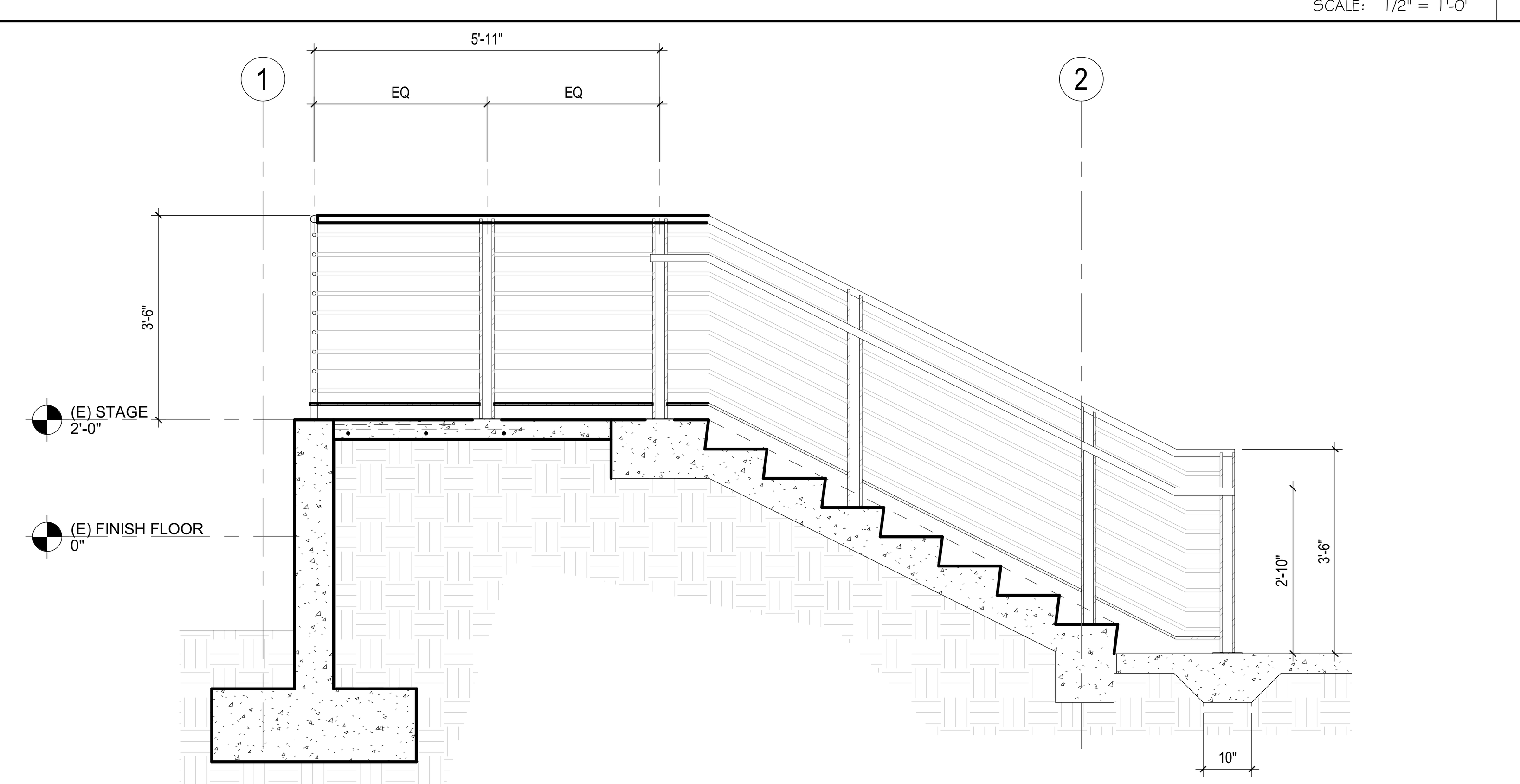
TYP. EXTERIOR STAIR CROSS SECTION 9
SCALE: 1/2" = 1'-0"



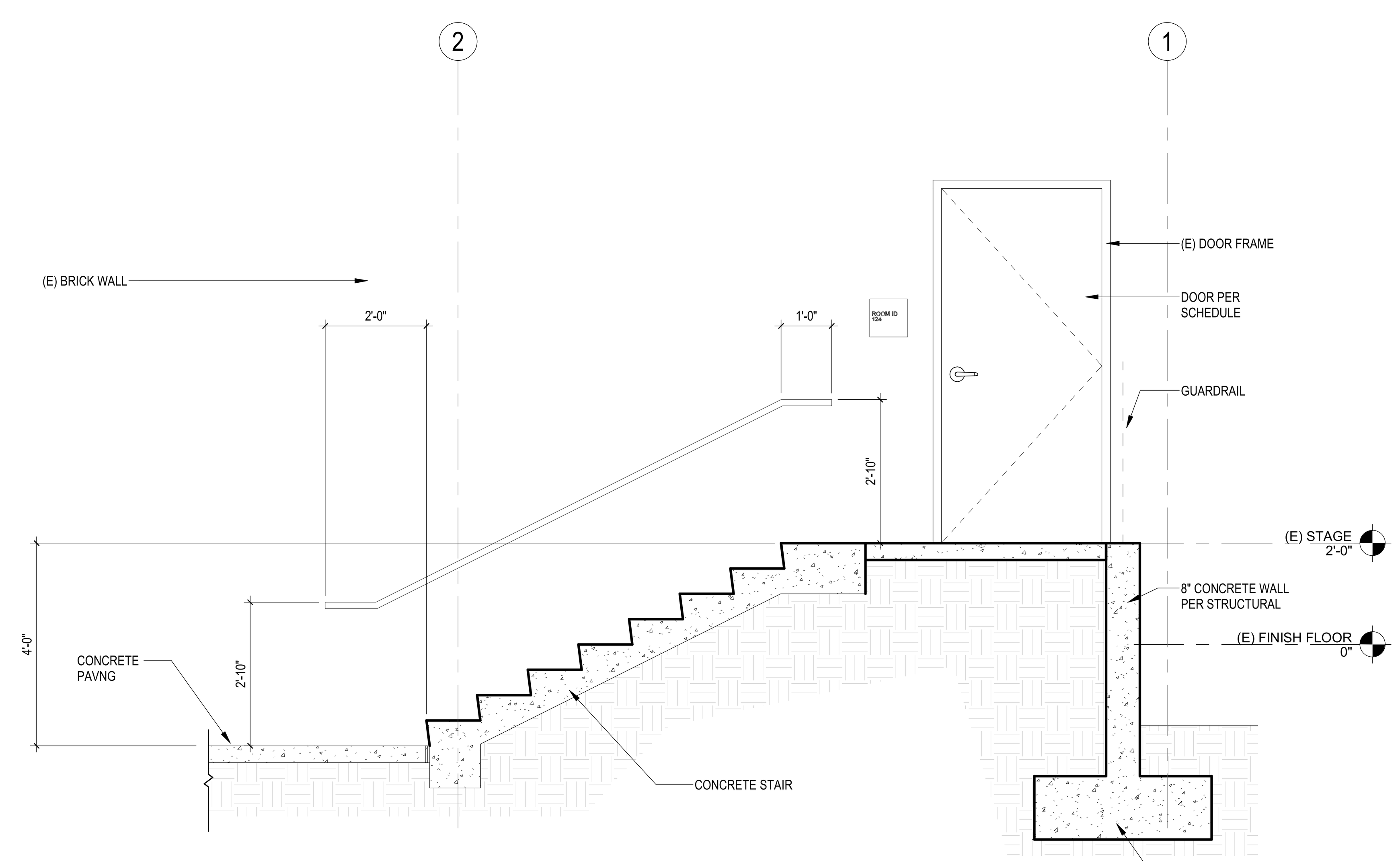
02 STEEL PIPE GUARDRAIL SECTION 10
SCALE: 1" = 1'-0"



ENLARGED PLAN AT STAIR 2 12
SCALE: 1/2" = 1'-0"



STAIR 2 - SECTION 1 17
SCALE: 1/2" = 1'-0"



EXTERIOR STAIR 2 - SECTION 2 19
SCALE: 1/2" = 1'-0"

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file name:
drawn by: Author checked by: Checker
date: 02.28.2025 2/28/2025 11:12:21 AM

rev:	date:	description:

drawing title:

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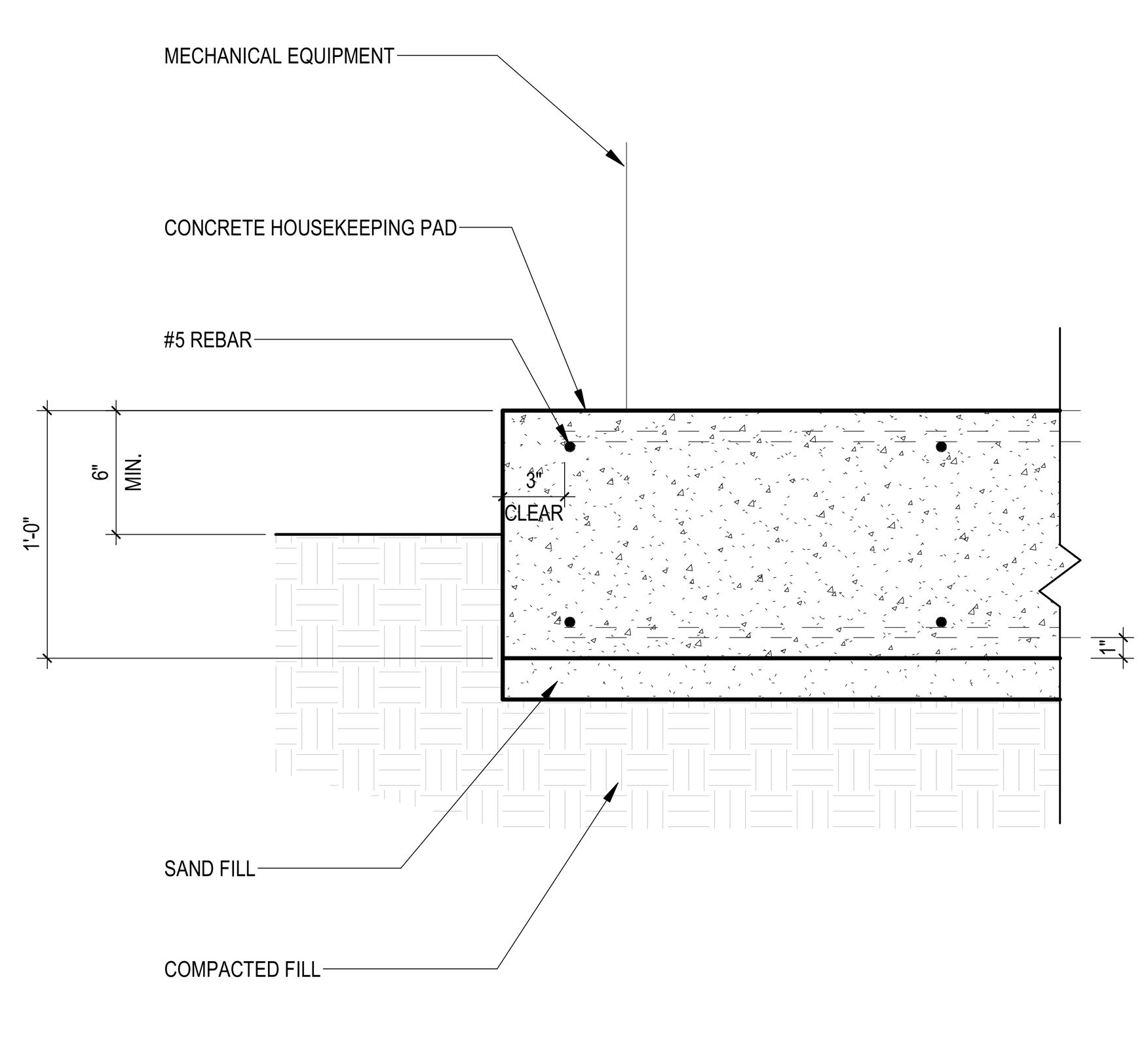
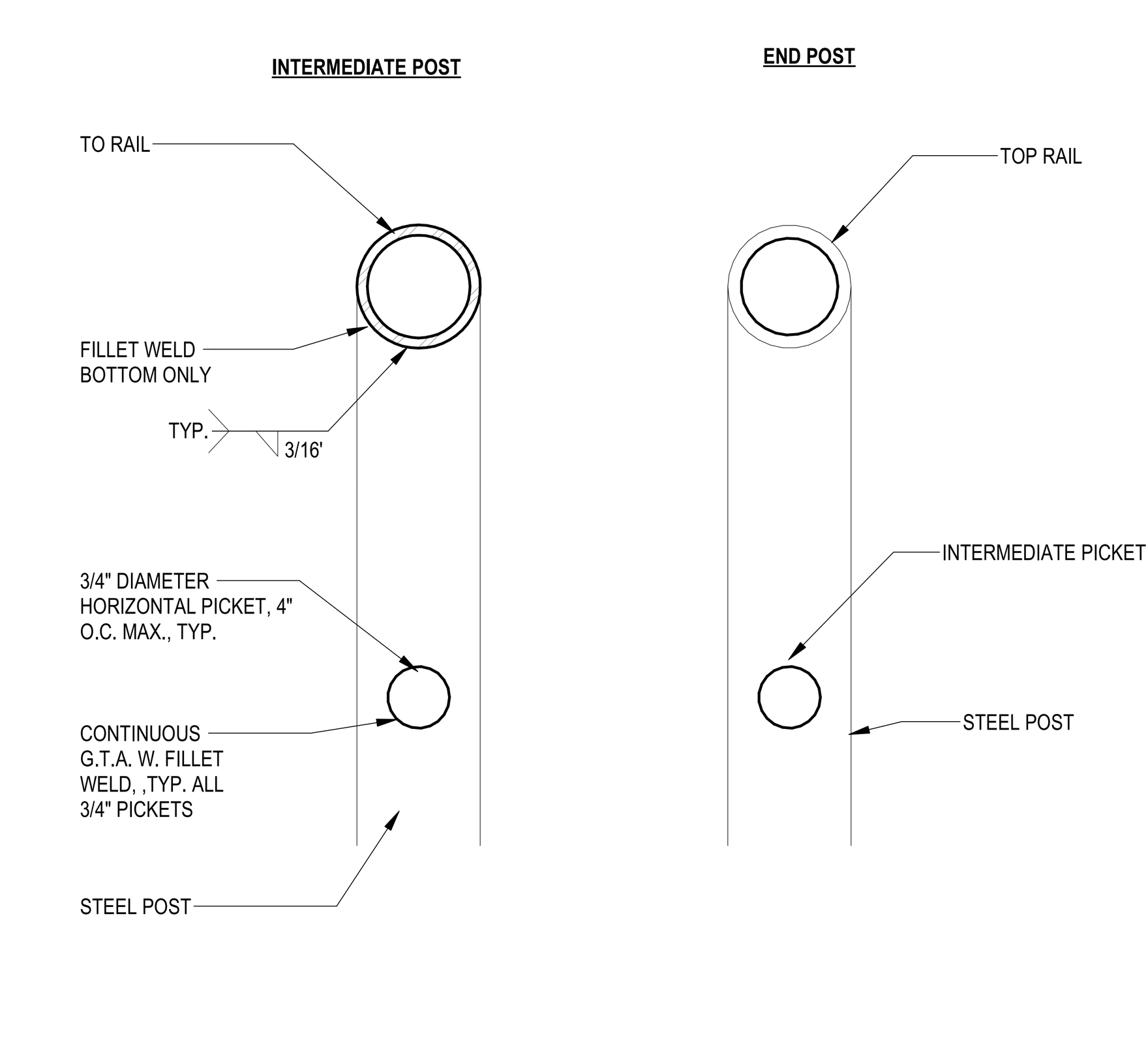
drawing no.:

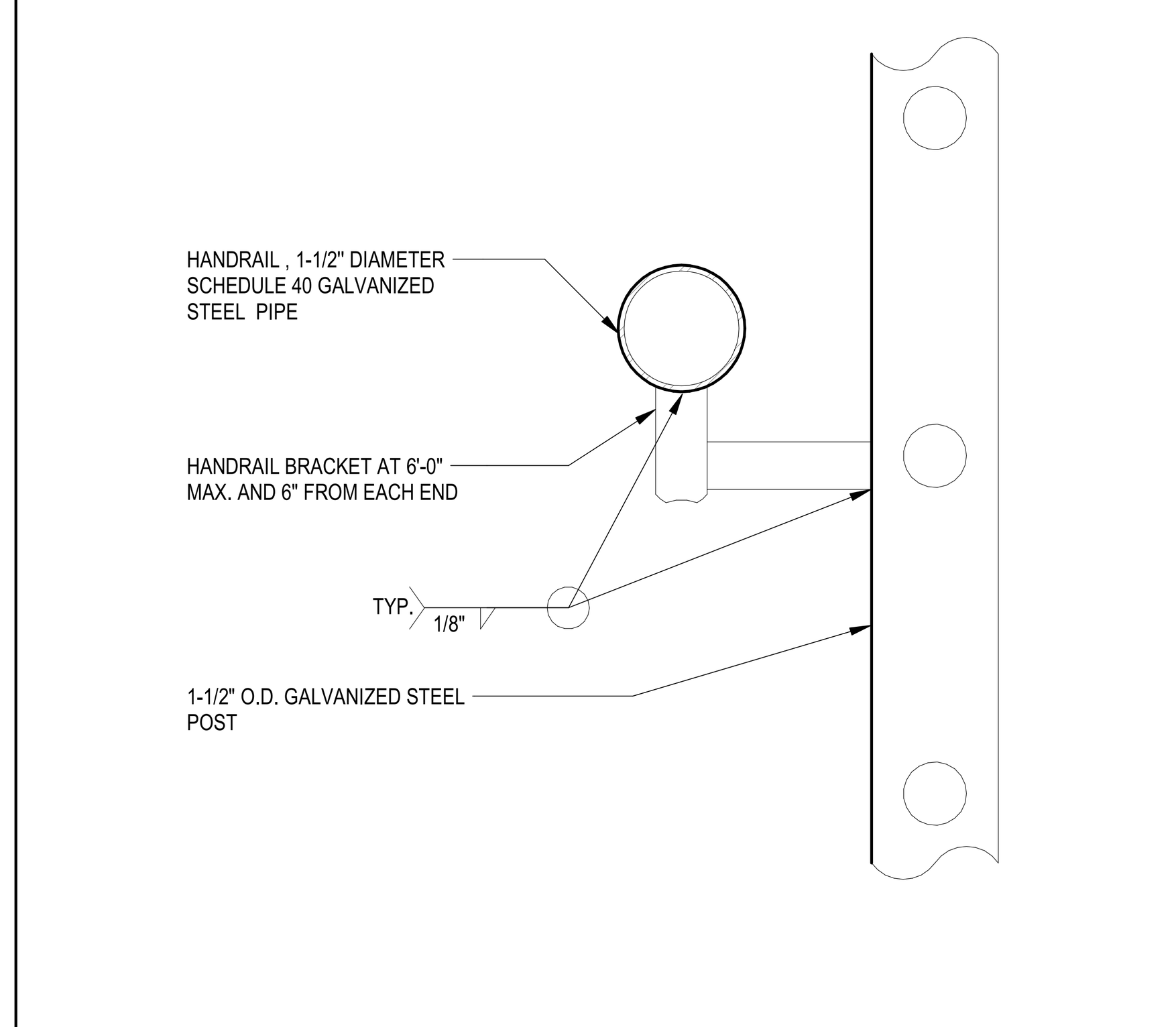
2.03



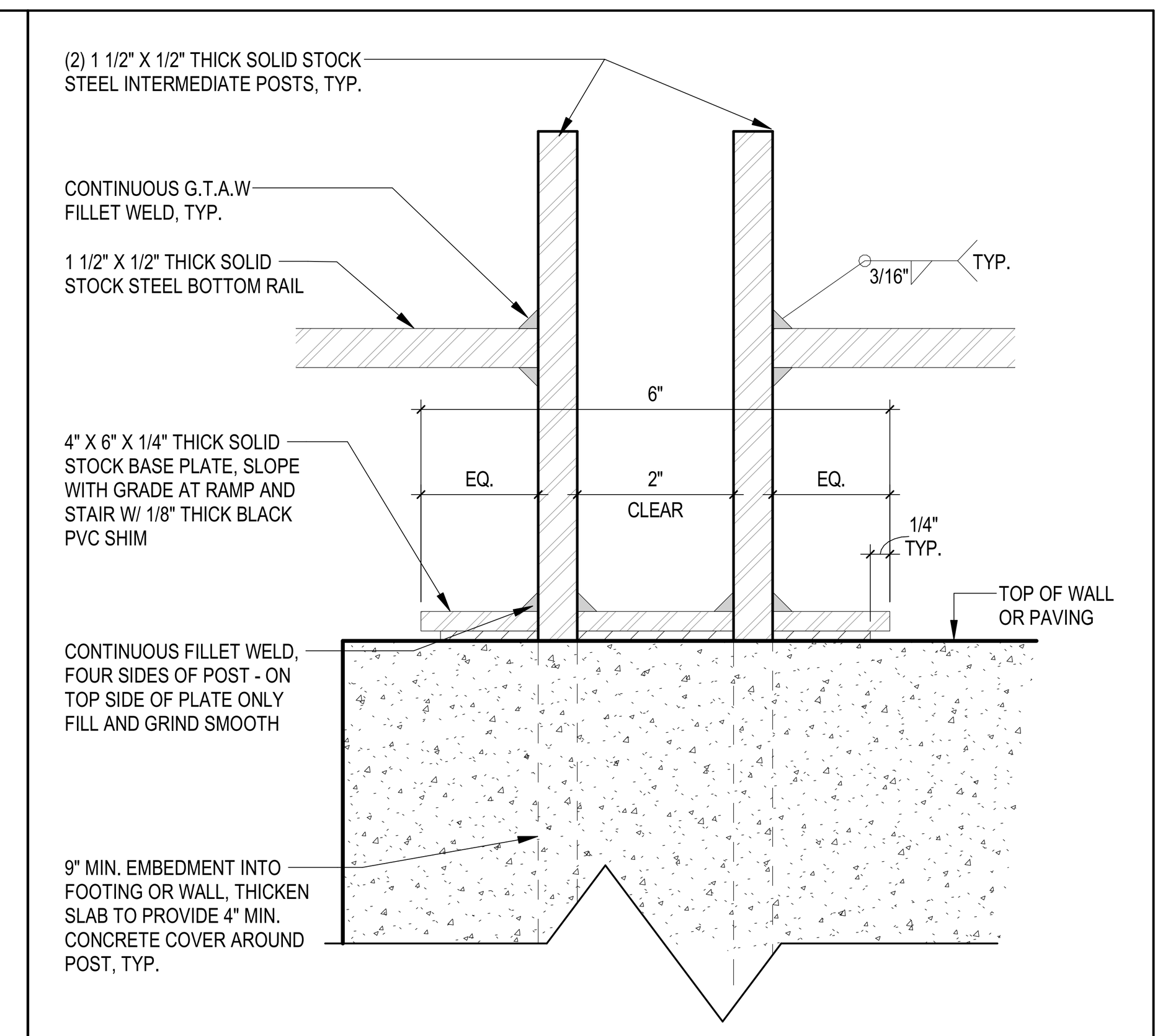
CONCRETE HOUSEKEEPING PAD — 2
SCALE: 1 1/2" = 1'-0"



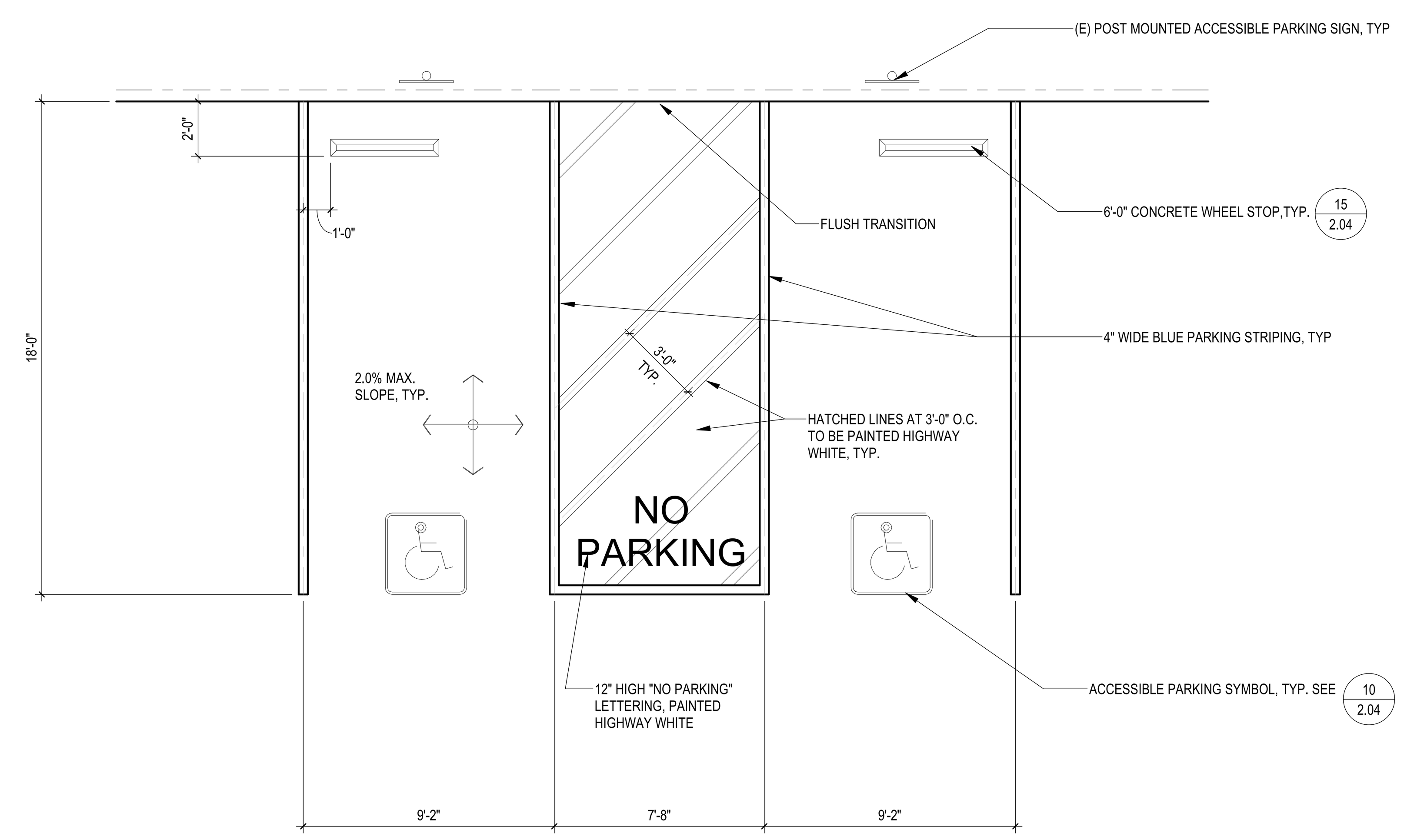
02 TYP. RAIL-TOP SECTION — 3
SCALE: 6" = 1'-0"



POST MOUNTED HANDRAIL — 4
SCALE: 6" = 1'-0"

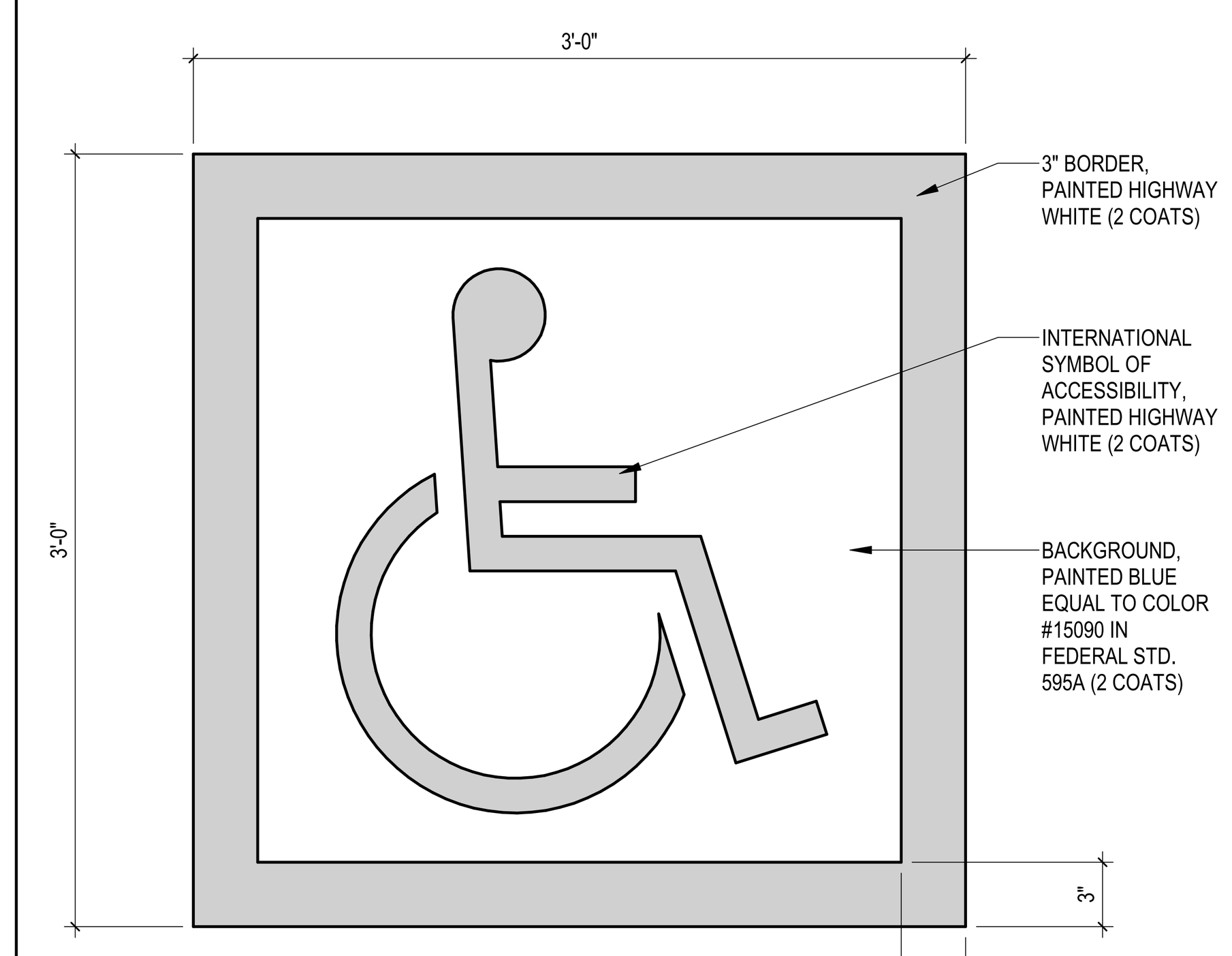


BASE PLATE DETAIL — 5
SCALE: 6" = 1'-0"



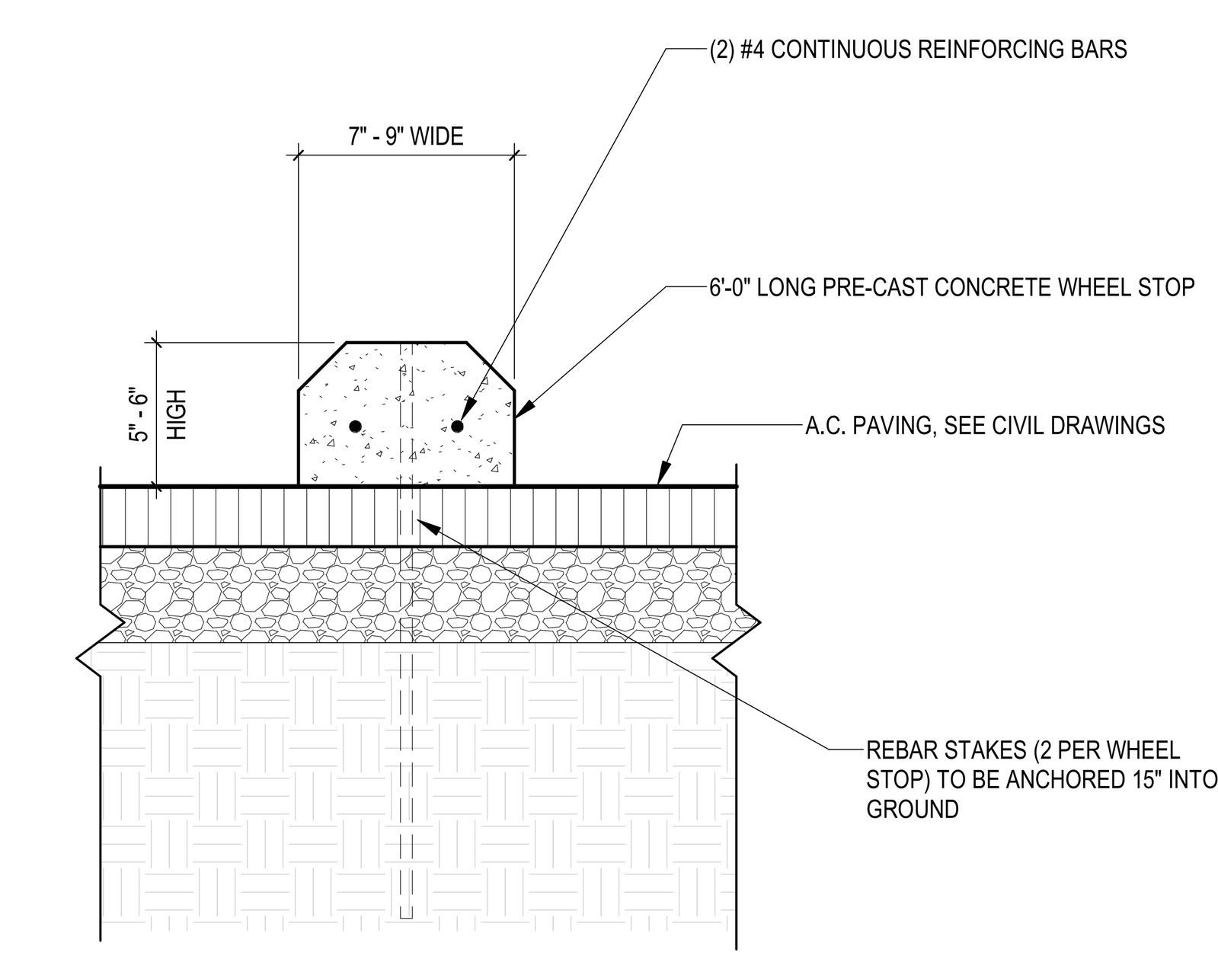
NOTES:
1. PROTECT IN PLACE (E) CONSTRUCTION TO REMAIN. REPAIR TO EQUAL OR BETTER CONDITION ITEMS DAMAGED DURING DEMOLITION OR RECONSTRUCTION.
2. SEE CIVIL FOR ADDITIONAL INFORMATION.

ACCESSIBLE PARKING PLAN — 14
SCALE: 1/4" = 1'-0"

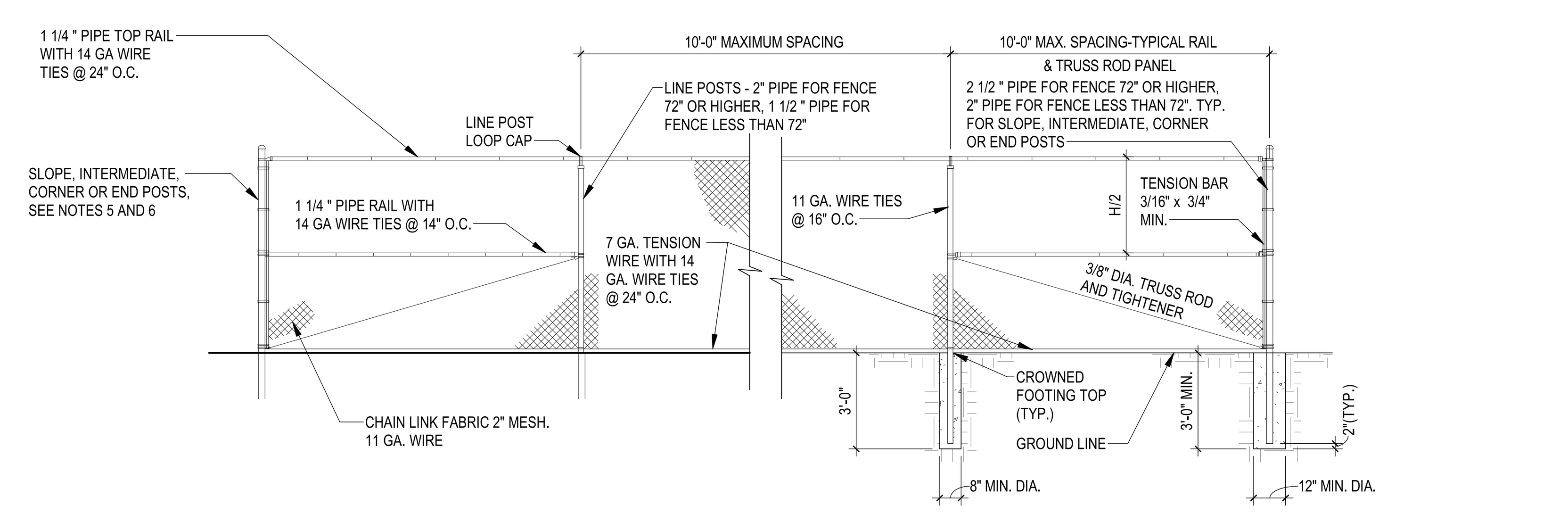


NOTE:
1. SYMBOL SHALL BE LOCATED SUCH THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE STALL.

ACCESSIBLE PARKING SYMBOL — 10
SCALE: 1 1/2" = 1'-0"



CONCRETE WHEEL STOP — 15
SCALE: 1 1/2" = 1'-0"



NOTES:
1. FABRIC SHALL HAVE KNUCKLED FINISH ON BOTH TOP AND BOTTOM EDGES.
2. ALL TIES SHALL BE GALVANIZED STEEL.
3. TOP CAP SHALL BE SECURED TO POST USING 1/4-INCH RIVET.
4. CORNER OR SLOPE POSTS SHALL BE INSTALLED WHEN THE CHANGE IN DEFLECTION ANGLE IS 30 DEGREES OR MORE AT CORNER OR SLOPE POINTS. CONSTRUCT SLOPE POSTS AS THOUGH THEY WERE CORNER POSTS.
5. INTERMEDIATE POSTS SHALL BE PROVIDED WHEN THE DISTANCE BETWEEN CORNER OF SLOPE POSTS EXCEEDS 300 FEET. THEY SHALL BE CONSTRUCTED AS THOUGH THEY WERE CORNER OR SLOPE POSTS.
6. THREADS OF ALL 3/8-INCH ROUND TRUSS RODS SHALL BE PEENDED AFTER INSTALLATION.
7. WHEN TOP RAIL IS OMITTED BY PLAN, PROVIDE 7-GAGE TENSION WIRE WITH 11-GAGE FABRIC TIES OR HOG RINGS SPACED AT 24-INCH INTERVALS.
8. TENSION WIRE SHALL BE SECURELY FASTENED TO THE TERMINAL POSTS AND BE TAUT AND FREE OF SAG.
9. THE FABRIC SHALL BE PLACED ON THE OUTWARD FACING SIDE OF THE POSTS, STRETCHED TAUT, AND FASTENED SECURELY.

BID ALTERNATE NO.2 - TYP. CHAIN LINK FENCE — 20
SCALE: 1" = 1'-0"

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tBP project number: 21206.00
file name:
drawn by: Author checked by: Checker
date: 02.28.2025 2/28/2025 11:12:49 AM

rev:	date:	description:

drawing title:
SITE DETAILS

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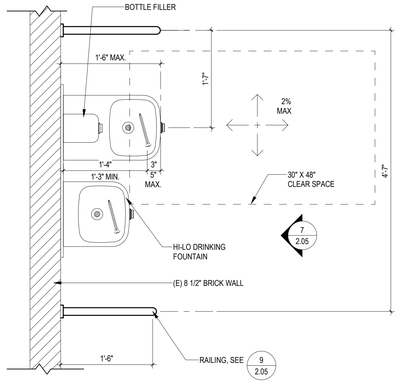
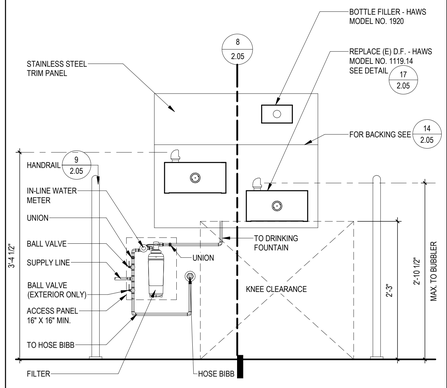


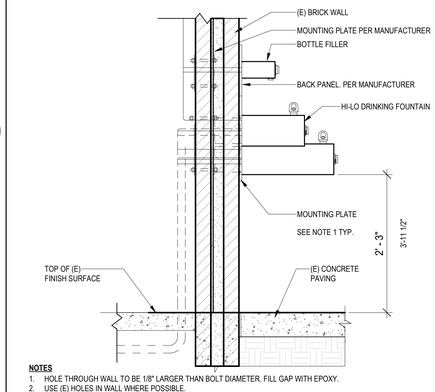
02 ENLARGED DRINKING FOUNTAIN PLAN 6

SCALE: 1" = 1'-0"



DRINKING FOUNTAIN ELEVATION 7

SCALE: 1" = 1'-0"

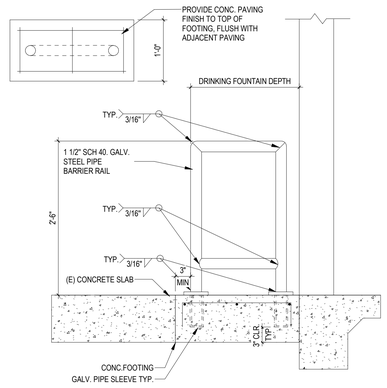


NOTES

1. HOLE THROUGH WALL TO BE 1/8" LARGER THAN BOLT DIAMETER. FILL GAP WITH EPOXY.
2. USE (E) HOLES IN WALL WHERE POSSIBLE.

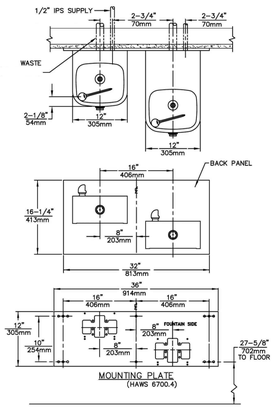
DRINKING FOUNTAIN SECTION 8

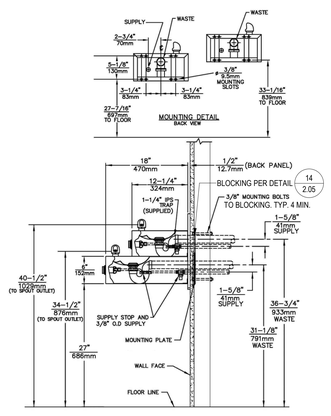
SCALE: 1" = 1'-0"



DRINKING FOUNTAIN RAIL 9

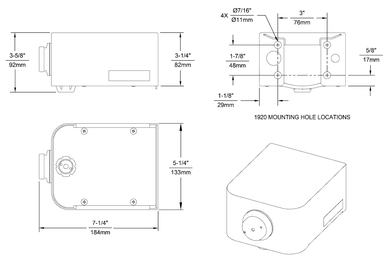
SCALE: 1" = 1'-0"





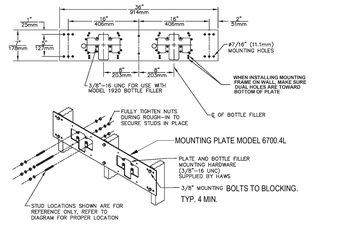
MANUFACTURER DRINKING FOUNTAIN MOUNTING GUIDELINES 17

SCALE: 12" = 1'-0"



BOTTLE FILLER DETAIL 13

SCALE: 12" = 1'-0"

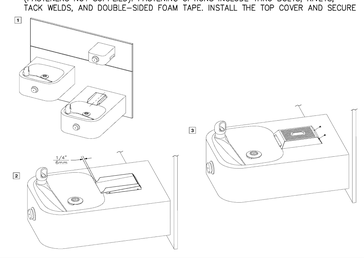


B.F. MOUNTING PLATE 14

SCALE: 12" = 1'-0"

6469 BOTTLE FILLER DRIP TRAY INSTALLATION

1. THE 6469 BOTTLE FILLER DRIP TRAY ALLOWS THE INSTALLATION OF THE 1920 BOTTLE FILLER OVER HAWS 1109/1119 MODEL DRINKING FOUNTAINS. CENTER THE LOWER DRAIN PAN ALONG THE CENTERLINE OF THE FOUNTAIN.
2. EXTEND THE FRONT EDGE OF THE LOWER DRAIN PAN OVER THE EDGE OF THE FOUNTAIN BOWL BY APPROXIMATELY 1/4" (6mm). IT IS RECOMMEND TO TEMPORARILY TAPE THE DRAIN PAN IN PLACE, INSTALL THE TOP COVER, AND ACTIVATE THE BOTTLE FILLER TO VERIFY THE WATER STREAM IS ALIGNED TO THE INLET HOLE. VERIFY THE LIP OF THE TOP COVER HANGS OVER THE EDGE OF THE FOUNTAIN BOWL.
3. MARK THE DRAIN PAN HOLE LOACTIONS ON THE FOUNTAIN. THE DRAIN PAN CAN NOW BE PERMANENTLY INSTALLED USING AN APPROPRIATE FASTENING METHOD (FASTENERS NOT SUPPLIED). FASTENING OPTIONS INCLUDE THRU BOLTS, RIVETS, TACK WELDS, AND DOUBLE-SIDED FOAM TAPE. INSTALL THE TOP COVER AND SECURE



BOTTLE FILLER TRAY INSTALLATION 15

SCALE: 12" = 1'-0"

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/28/2025 11:13:14 AM

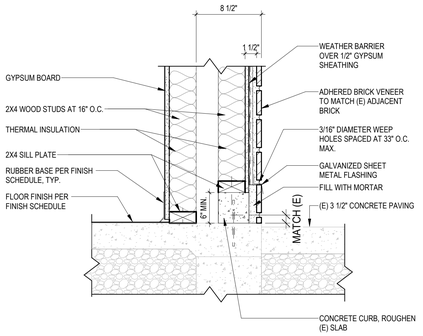
rev:	date:	description:

drawing title:

SITE DETAILS

drawing no.:

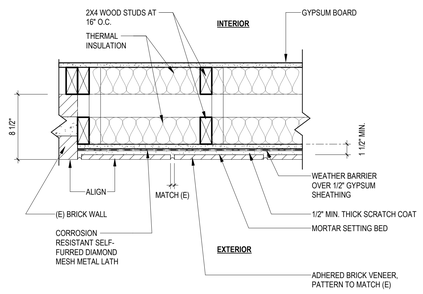
2.05



NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

SILL AT EXTERIOR WALL INFILL 1

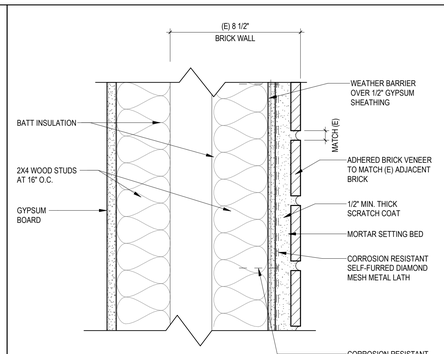
SCALE: 1 1/2" = 1'-0"



NOTES:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.
2. ALIGN MORTAR JOINTS (E) PATTERN.

PLAN VIEW - BRICK VENEER INFILL 2

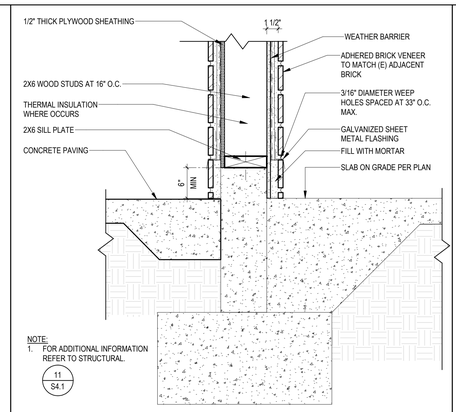
SCALE: 1 1/2" = 1'-0"



NOTE:
1. PROVIDE 4" GROUT CLOSURE AT ALL EDGES (TOP, ENDS, AND AROUND OPENINGS)

TYP. BRICK VENEER INFILL AT EXT. WALL 3

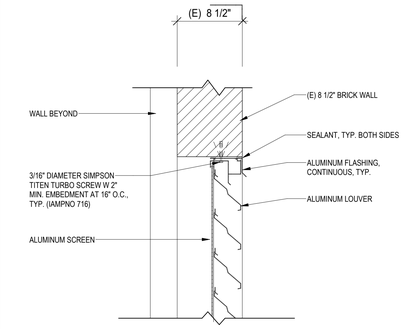
SCALE: 3" = 1'-0"

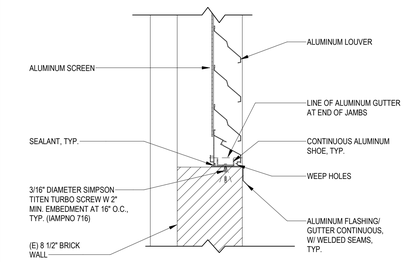


NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

SILL AT EXTERIOR BRICK VENEER 4

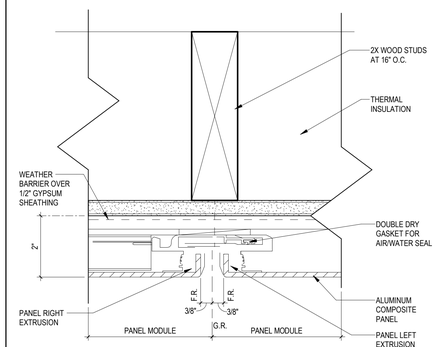
SCALE: 1 1/2" = 1'-0"





LOUVER AT (E) BRICK WALL 10

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

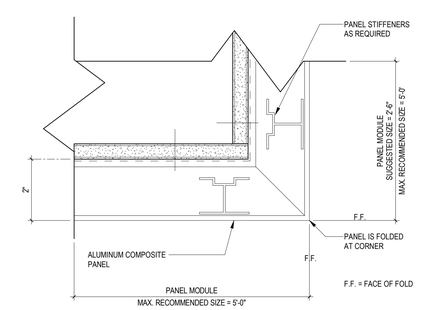


G.R. = GRID (CENTER OF PANEL JOINT)
F.R. = FACE OF RETURN

NOTE:
FOR VERTICAL APPLICATIONS, A STUD IS REQUIRED AT EVERY VERTICAL JOINT FOR PANEL ATTACHMENT.

ALUMINUM METAL PANEL VERTICAL JOINT 6

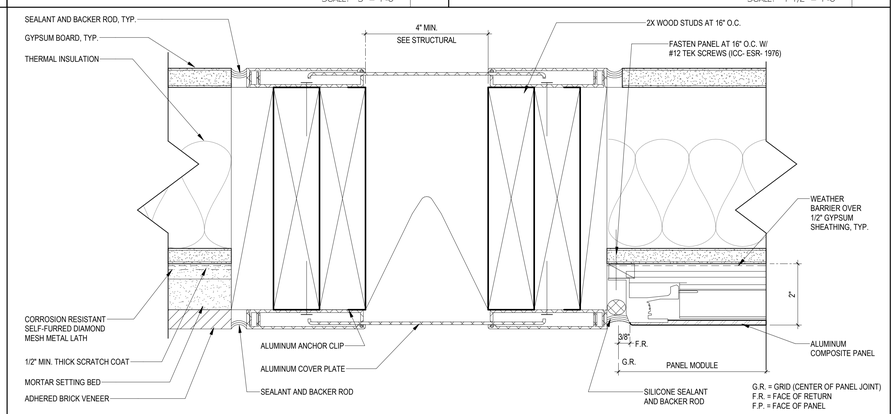
SCALE: 6" = 1'-0"



NOTE:
COMPOSITE METAL PANELS MATERIAL AN FASTENERS PER ICC ESR-1185

ALUMINUM METAL PANEL OUTSIDE CORNER 7

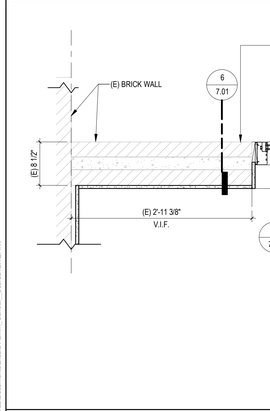
SCALE: 6" = 1'-0"



G.R. = GRID (CENTER OF PANEL JOINT)
F.R. = FACE OF RETURN
F.P. = FACE OF PANEL

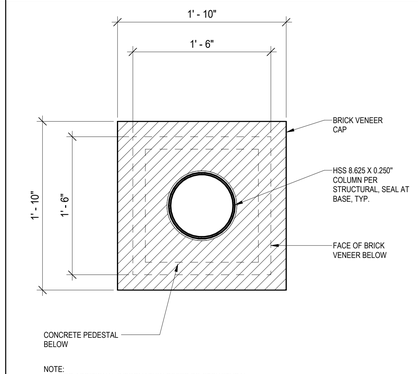
ALUMINUM COMPOSITE PANEL JAMB AT BRICK VENEER 9

SCALE: 6" = 1'-0"



PLAN VIEW- BRICK VENEER AT STOREFRONT 17

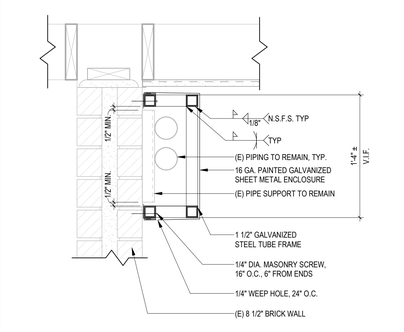
SCALE: 1" = 1'-0"



NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

HSS COLUMN AT BRICK VENEER PILASTER 19

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



NOTES:
1. PROVIDE 1 1/2" SQUARE GALVANIZED 1/8" THICK TUBES (Fy=36 KSI MIN) WELDED TO EACH OTHER W/ 1/8" FULL FILLET WELDS AT ALL JOINTS.
2. SHEET METAL TO BE FACTORY GALVANIZED AND PAINTED TO MATCH ADJACENT WALL COLOR.

PIPING ENCLOSURE 20

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

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HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/4/2025 11:40:09 AM

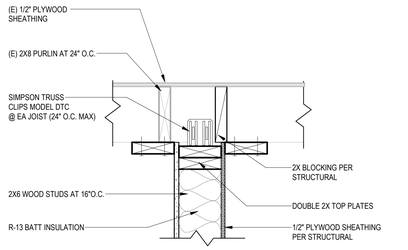
rev:	date:	description:

drawing title:

EXTERIOR WALL DETAILS

drawing no.:

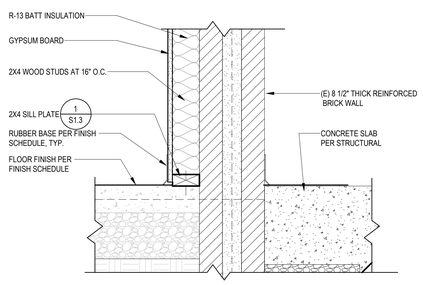
3.01



NOTE:
1. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION. (7 / S1.3)

STUD WALL CONNECTION AT (E) ROOF 1

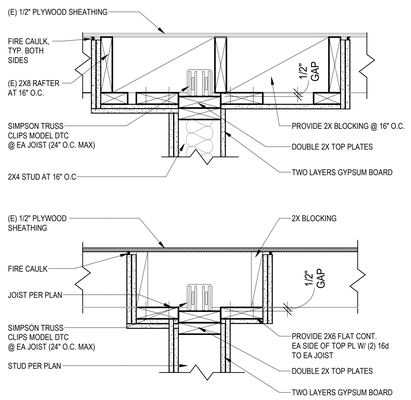
SCALE: 1 1/2" = 1'-0"



NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

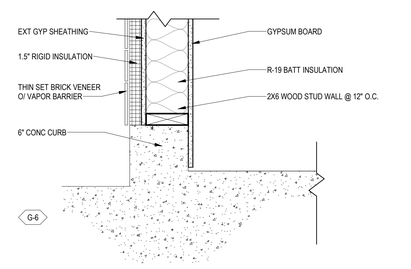
INT. FURRED WALL AT BASE 6

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



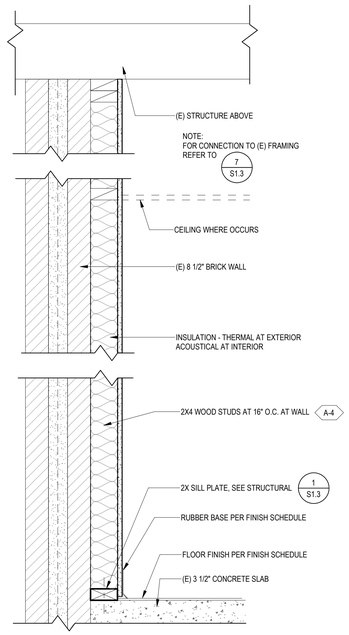
TOP OF RATED WALL 11

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



TOILET ROOM PARTITION AT BASE 16

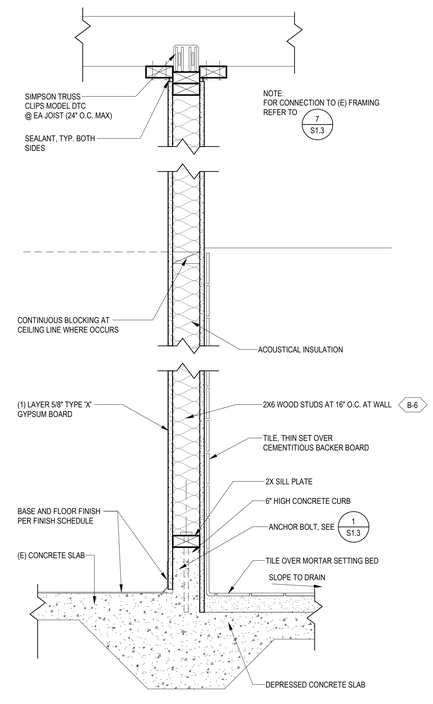
SCALE: 1 1/2" = 1'-0"



WALL TYPE A-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

FURRED WALL 7

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

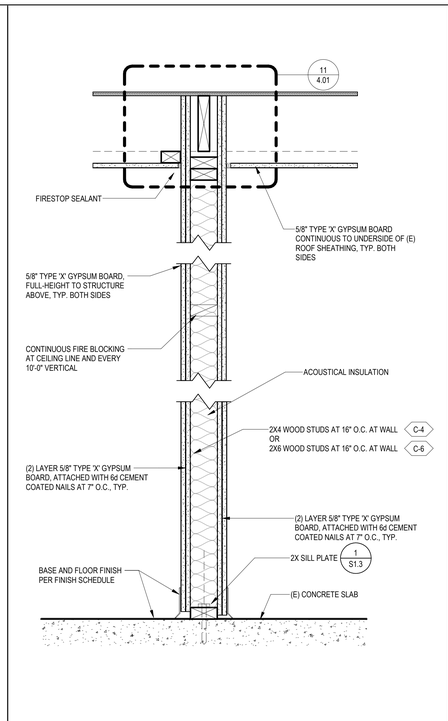


WALL TYPE B-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

TOILET ROOM PARTITION

TOILET ROOM PARTITION 8

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

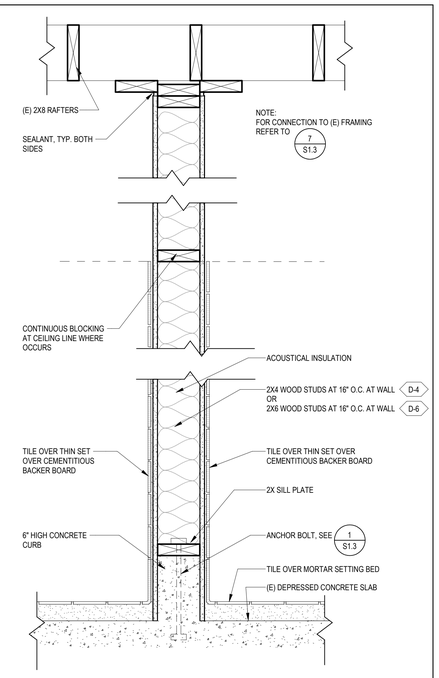


WALL TYPE C-# (# INDICATED WIDTH OF STUDS)	U.L. #	U305
	FIRE RATING:	2 HOUR
	STC:	

2-HR. RATED WOOD STUD PARTITION

2-HOUR RATED WOOD STUD PARTITION 9

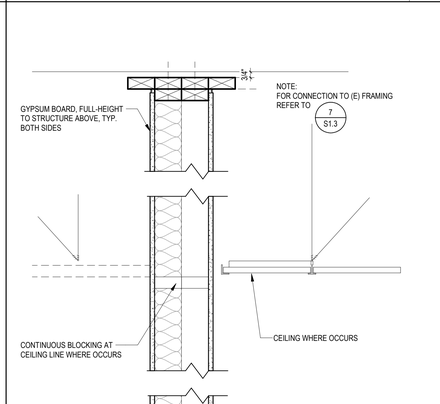
SCALE: 1 1/2" = 1'-0"



WALL TYPE D-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

TOILET ROOM PLUMBING WALL 10

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

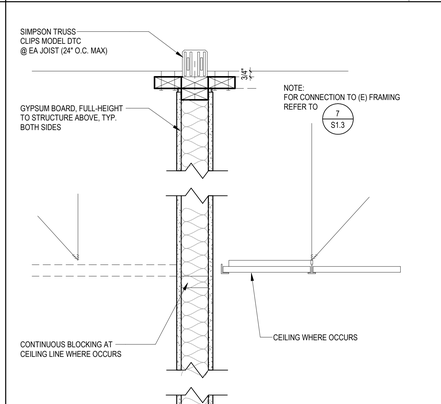


WALL TYPE E-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

NON-BEARING WOOD STUD PARTITION

DOUBLE STUD PARTITION 18

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

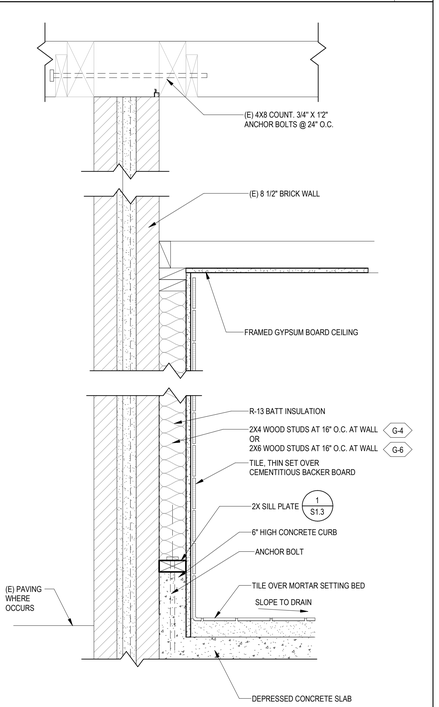


WALL TYPE F-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

NON-BEARING WOOD STUD PARTITION

TYPICAL STUD PARTITION 19

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



WALL TYPE G-# (# INDICATED WIDTH OF STUDS)	U.L. #	NONE
	FIRE RATING:	NONE
	STC:	

TOILET ROOM PARTITION AT BRICK WALL 20

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

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:14:58 AM

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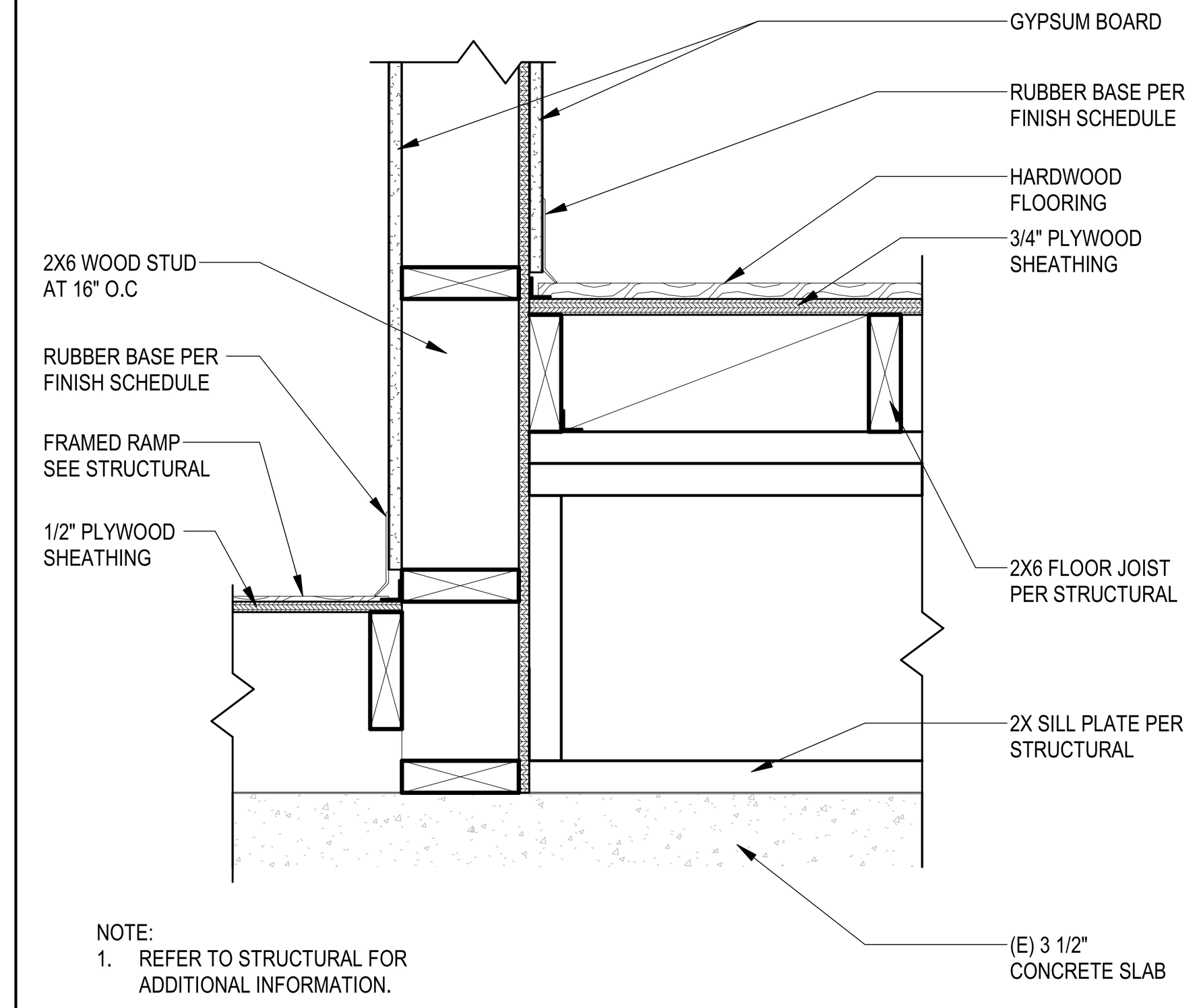
drawing title:

WALL DETAILS

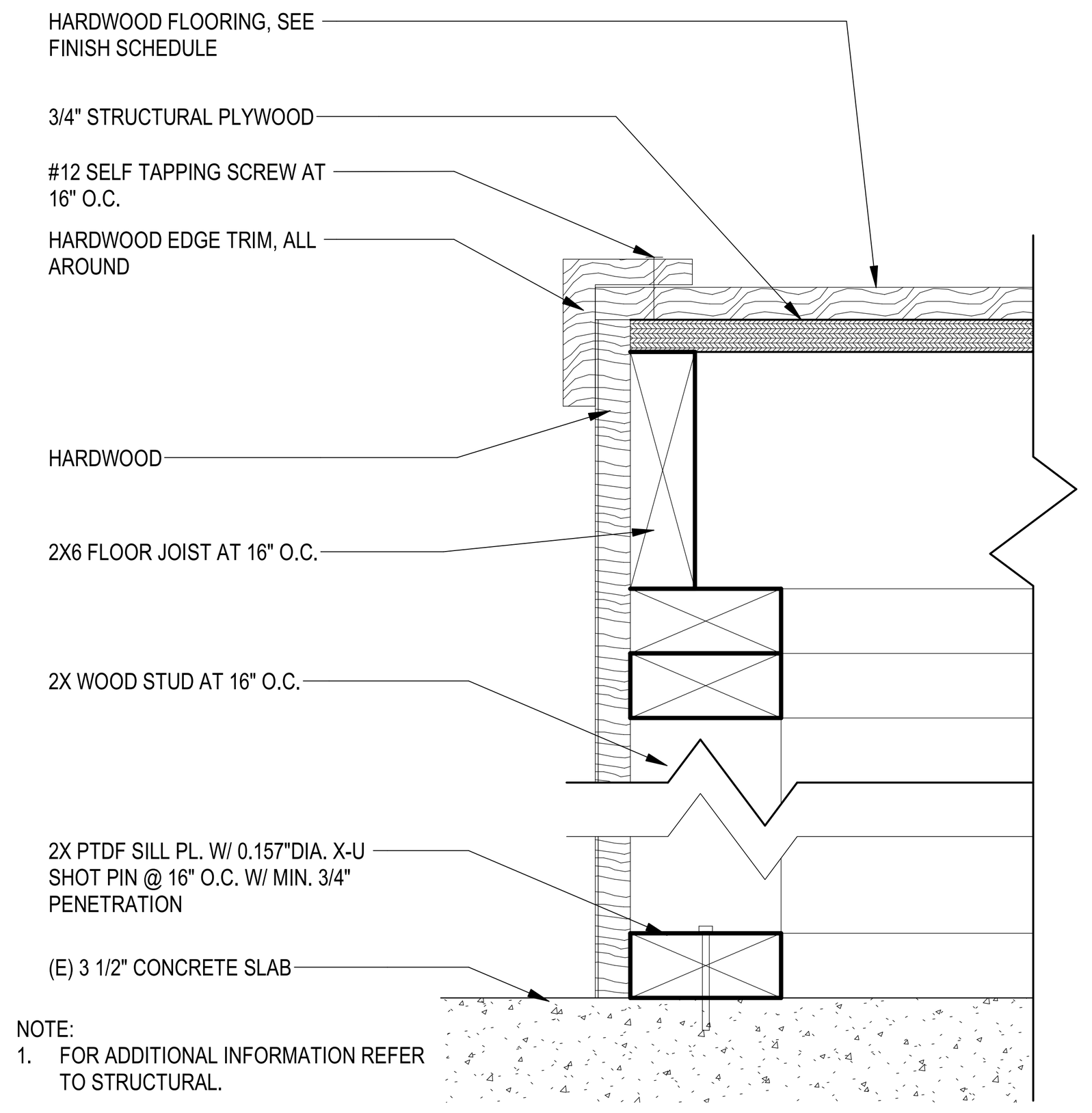
drawing no.:

4.01



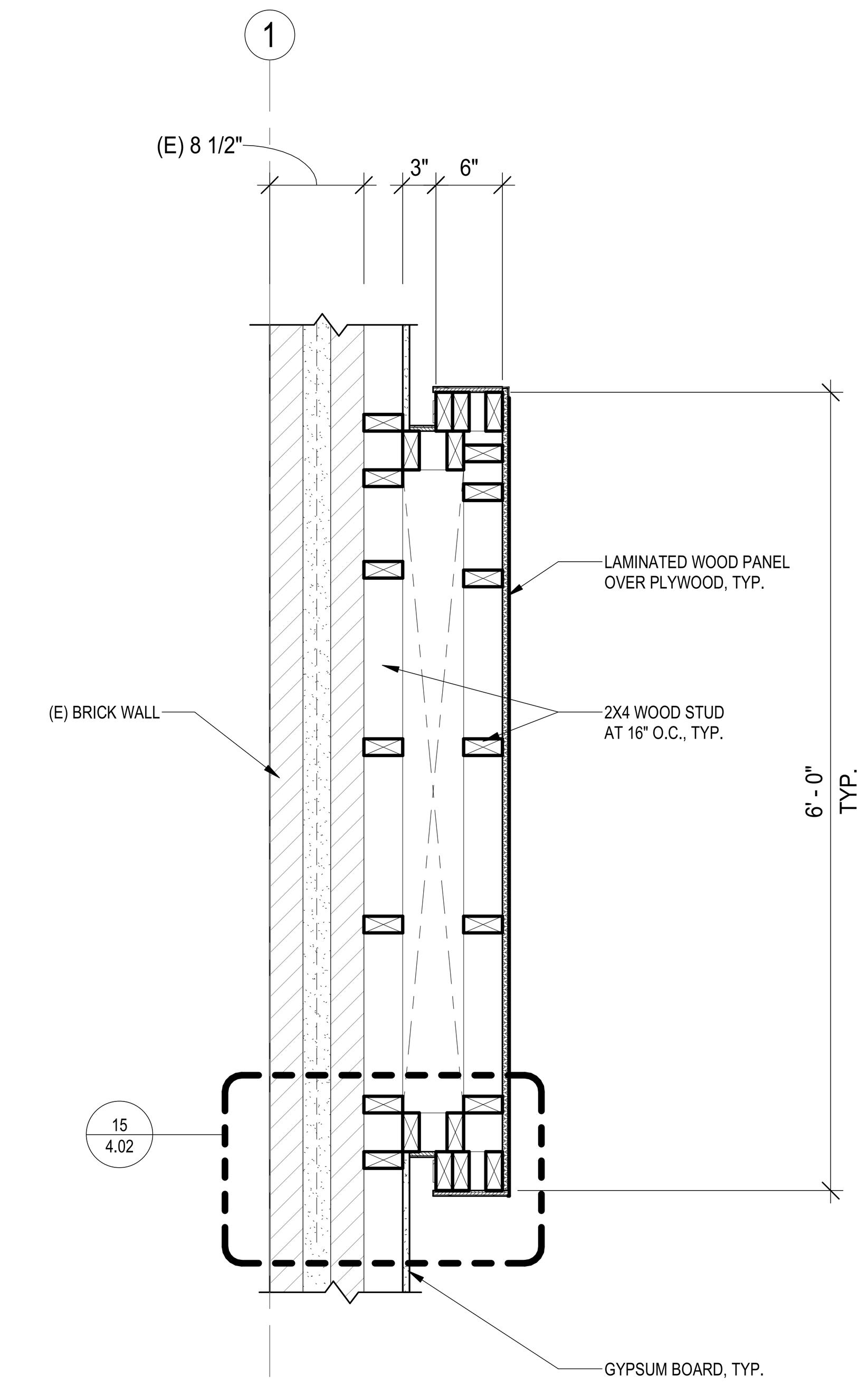
NOTE:
1. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.

STAGE FLOOR AT WALL 3
SCALE: 1 1/2" = 1'-0"

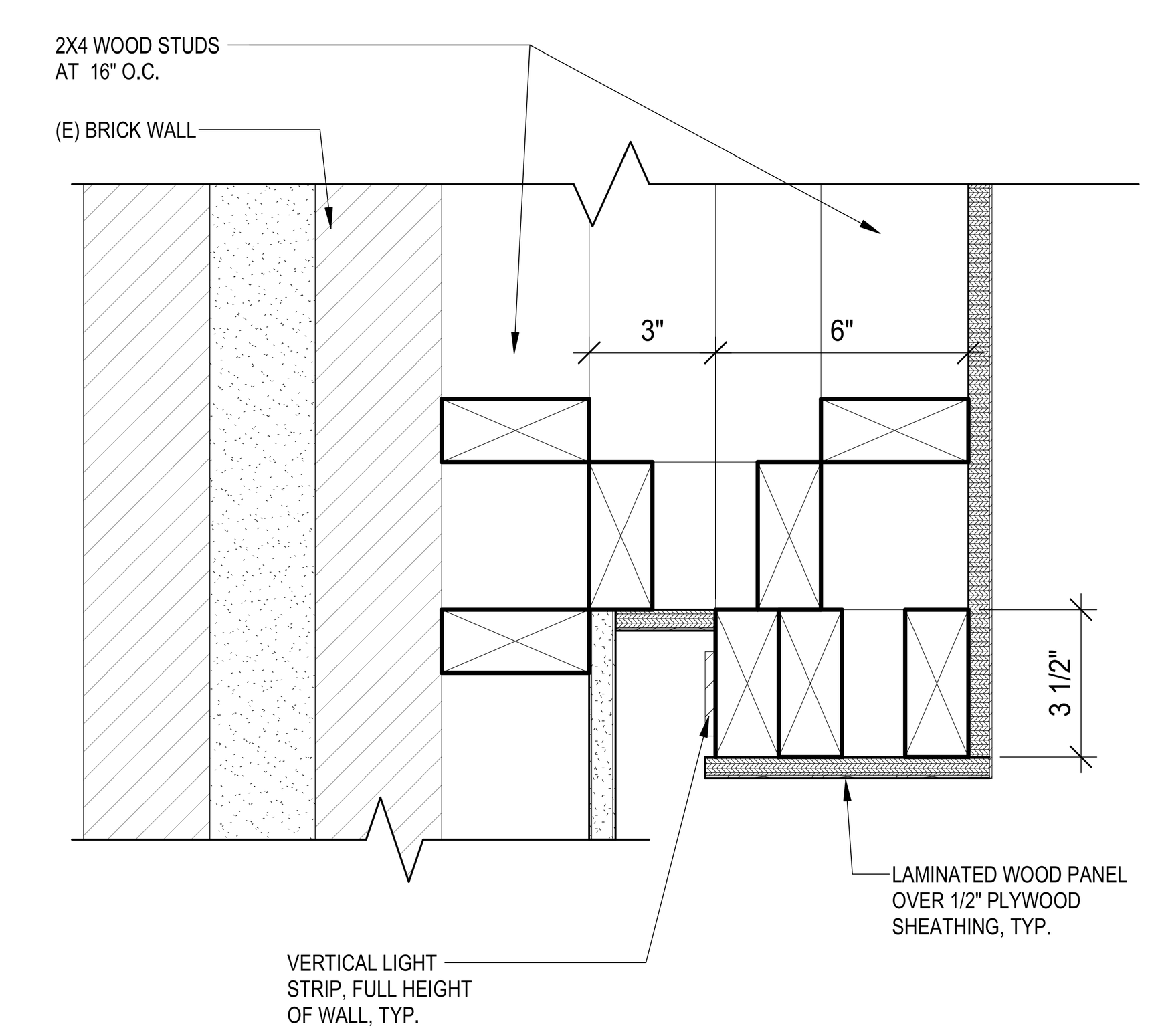


NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

EDGE TRIM AT STAGE 1
SCALE: 3" = 1'-0"



TYP. PLAN AT FURRED WALL ASSEMBLY 10
SCALE: 1" = 1'-0"



FURRED WALL ASSEMBLY - CORNER DETAIL 15
SCALE: 3" = 1'-0"

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:15:31 AM

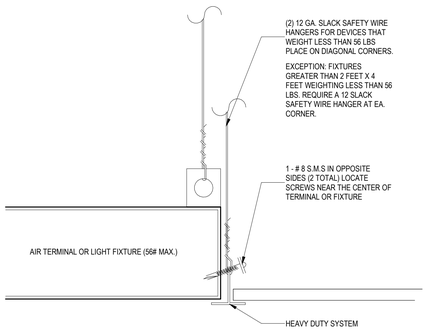
rev:	date:	description:

drawing title:

WALL DETAILS

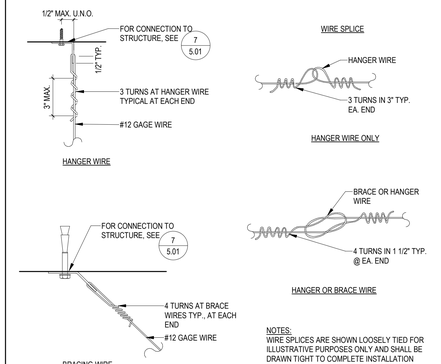
drawing no.:

4.02



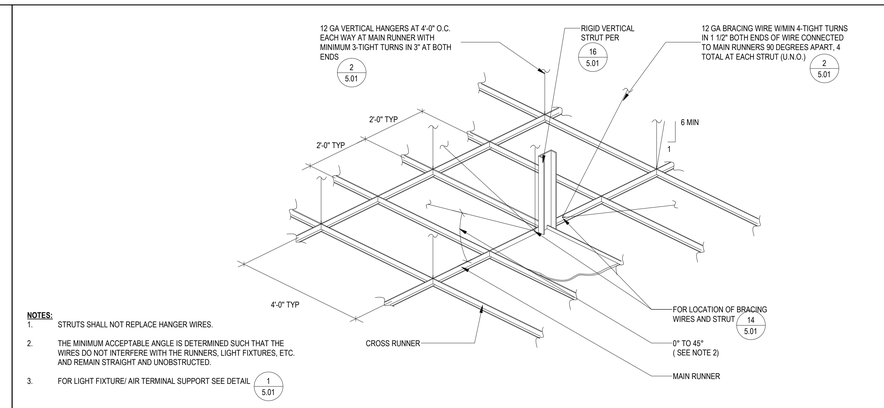
LIGHT FIXT. AIR TERMINAL SUPPORT DETAIL 1

SCALE: 3" = 1'-0"



HANGER AND BRACING WIRE TURNS 2

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



NOTES:

1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.
3. FOR LIGHT FIXTURE/ AIR TERMINAL SUPPORT SEE DETAIL 1 5.01

SUSPENSION AND BRACING ASSEMBLY 4

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

SUSPENDED CEILING NOTES

T-BAR CEILING ASSEMBLY SHALL COMPLY WITH ALL REQUIREMENTS NOTED IN DSA IR 25-2

1. CEILING SYSTEM GENERAL NOTES:

1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635-07 AND SECTION 5.1 OF ASTM E580-10A.
1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635-08.
1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:

MANUFACTURER'S NAME: ARMSTRONG
PRODUCT NAME: PRELUDE XL
PRODUCT EVALUATION REPORT TYPE AND NUMBER: ICC ESR-1308
MANUFACTURER'S MODEL NUMBER - MAIN RUNNER: PRELUDE XL7301
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER: XL7328

1.04 SEISMIC WALL CLIP
MANUFACTURER'S MODEL: BERC-2 (ARMSTRONG)

1.05 CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
1.06 FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF THE CEILING TILE MATERIAL.

2. MATERIALS:

2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641-09A. WIRE SHALL BE #12 GAGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A653-11, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A2.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2016 (AISI S100). MATERIAL 43 MIL (18 GAGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE. SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)

4. FASTENERS AND WELDING:

4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513-10, ASME B18.6.4-89 (R2005). PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.02 EXPANSION ANCHORS SHALL BE: HILTI KB-TZ2, ESR-4266
4.03 POWER-ACTUATED FASTENERS SHALL BE: HILTI X-C, ESR-1663
4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.
4.05 POWER-ACTUATED FASTENERS IN CONCRETE OR MASONRY ARE NOT PERMITTED FOR BRACING WIRES.
4.06 CONCRETE REINFORCEMENT AND PRE-STRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST - INSTALLED ANCHOR.
4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

5. TESTING: ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.

5.01 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1705A.3.
5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1910A.5.

6. LIGHT FIXTURES:

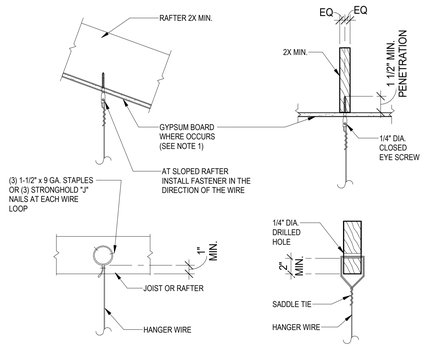
6.01 ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE. PER ASTM E580, SECTION 5.3.1.
6.02 SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
6.03 LUMINARIES WEIGHING LESS THAN OR EQUAL TO 10 LB. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, SHALL HAVE A MINIMUM OF ONE #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.04 LUMINARIES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.
6.05 ALL LUMINARIES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR TAUT #12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

7. SERVICES WITHIN THE CEILING:

7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.02 CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LB. SHALL HAVE ONE (1) #12 GAUGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB. BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO (2) #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAUGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8. OTHER DEVICES WITHIN THE CEILING:

8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LB. SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

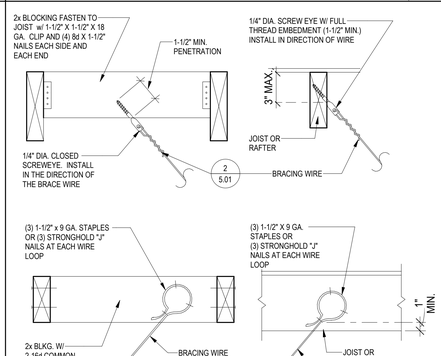


NOTES:

1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE
2. SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP.
3. BOARD AND MEET MIN. PENETRATION.

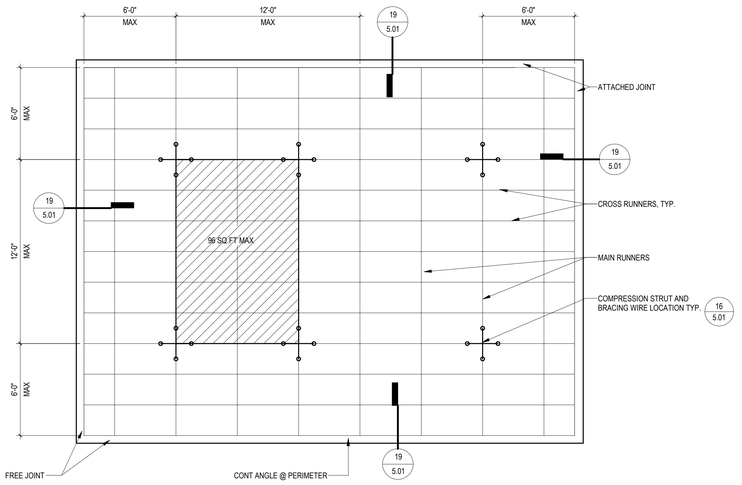
HANGER WIRE TO SAWN TIMBER 6

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



BRACING WIRE TO SAWN TIMBER 7

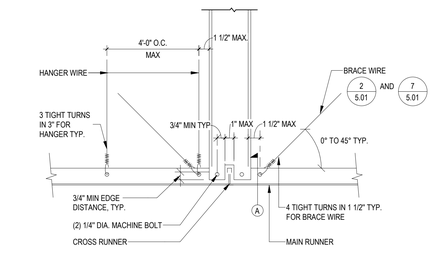
SCALE: 1 1/2" = 1'-0"

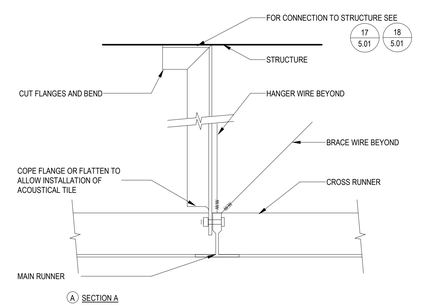


NOTE:
BRACING WIRES AND COMPRESSION STRUT SHALL OCCUR AT EVERY 144 SQ.FT. MAX IN ROOMS OVER 144 SQ.FT

TYPICAL LATERAL BRACING PLAN 14

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



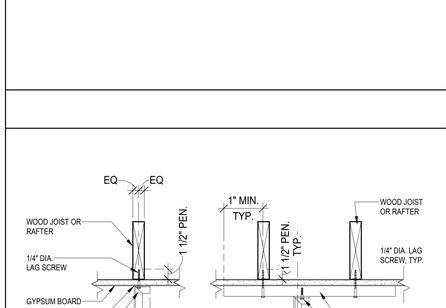


COMPRESSION STRUT TABLE

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

COMPRESSION STRUT 16

SCALE: 3/8" = 1'-0"



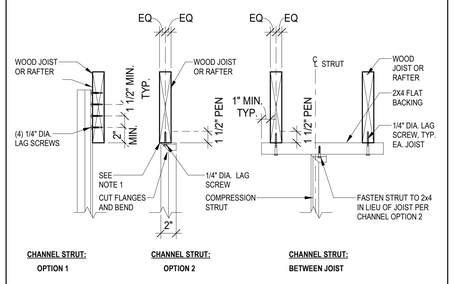
CHANNEL STRUT **CHANNEL STRUT BETWEEN JOIST**

NOTES:

1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF THE WOOD MEMBER.
2. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
3. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

STRUT TO SAWN TIMBER W/ GYP. BD. 17

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



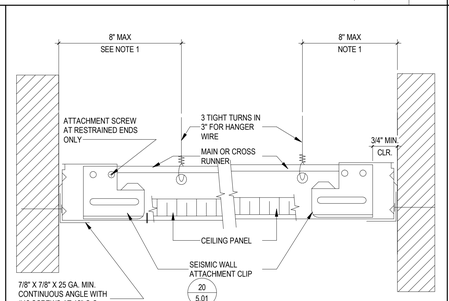
CHANNEL STRUT: OPTION 1 **CHANNEL STRUT: OPTION 2** **CHANNEL STRUT: BETWEEN JOIST**

NOTES:

1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF THE WOOD MEMBER.
2. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
3. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

STRUT TO SAWN TIMBER W/O GYP. BD. 18

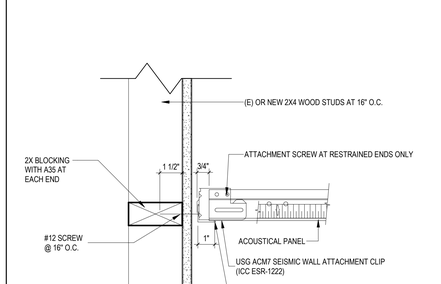
SCALE: 1 1/2" = 1'-0"



NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN (8) INCHES OF THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

CEILING PERIMETER 19

SCALE: 3" = 1'-0"



TYP. CEILING EDGE W/ SEISMIC CLIP 20

SCALE: 3" = 1'-0"

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file name:
drawn by: Author checked by: Checker
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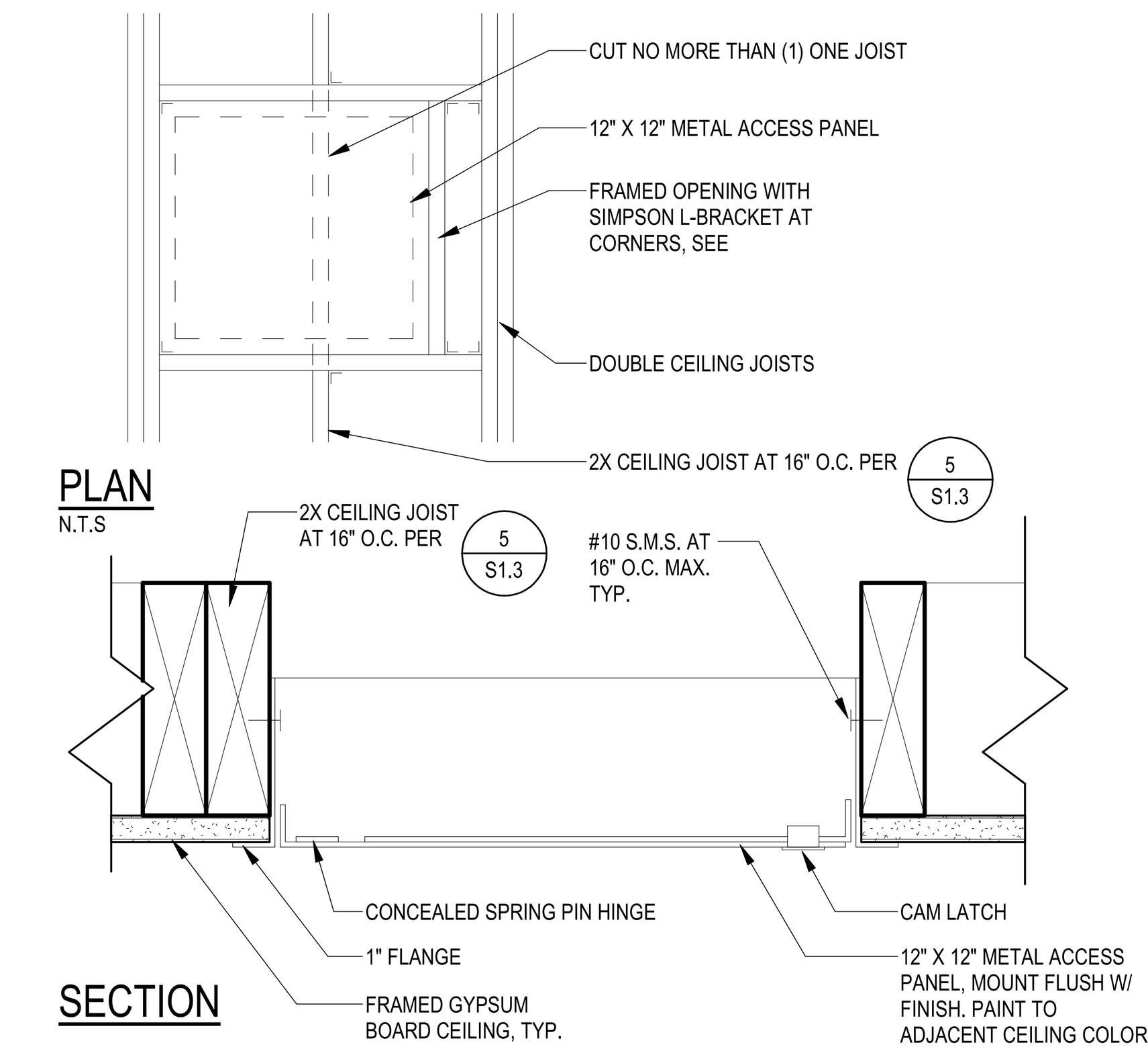
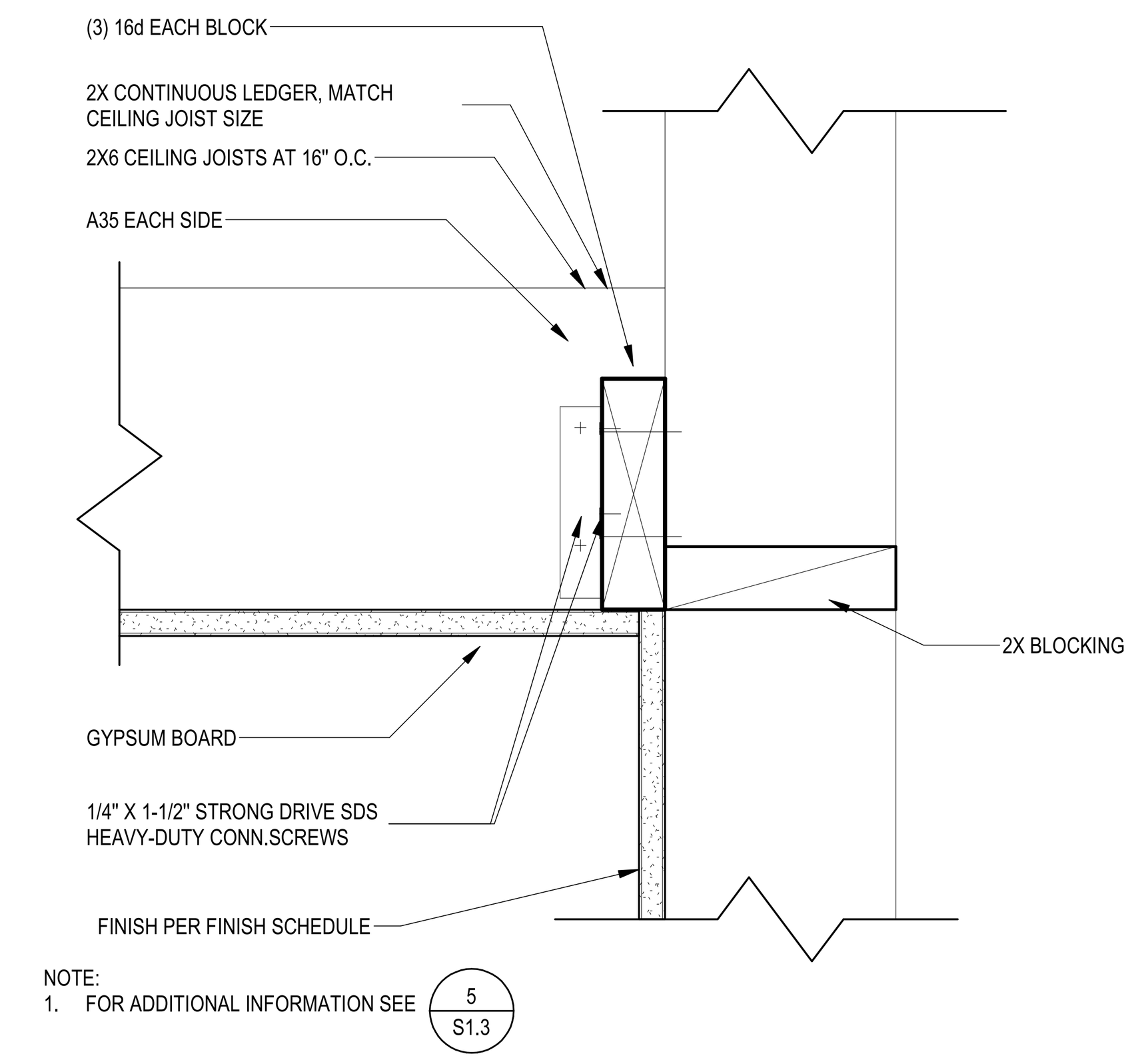
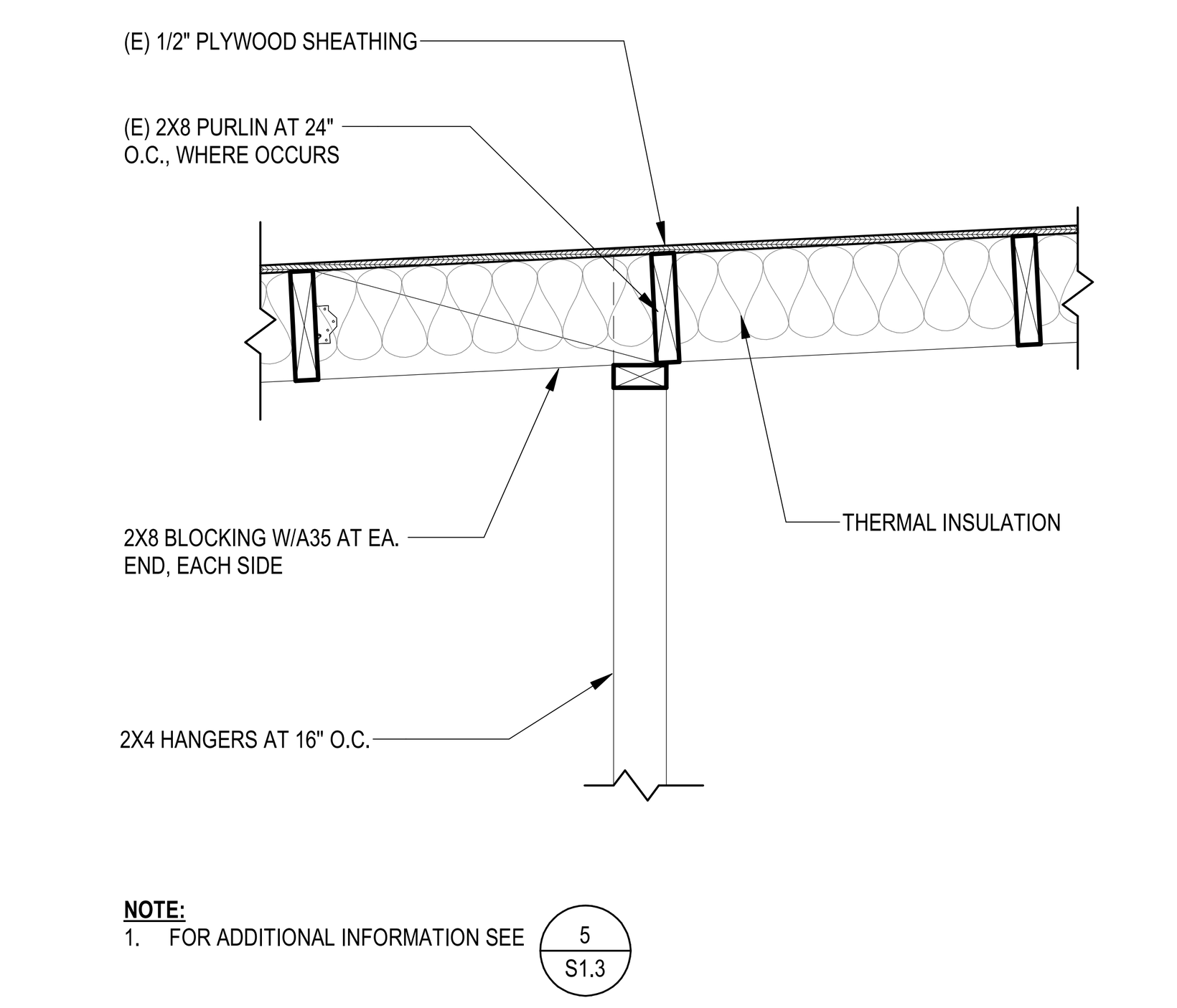


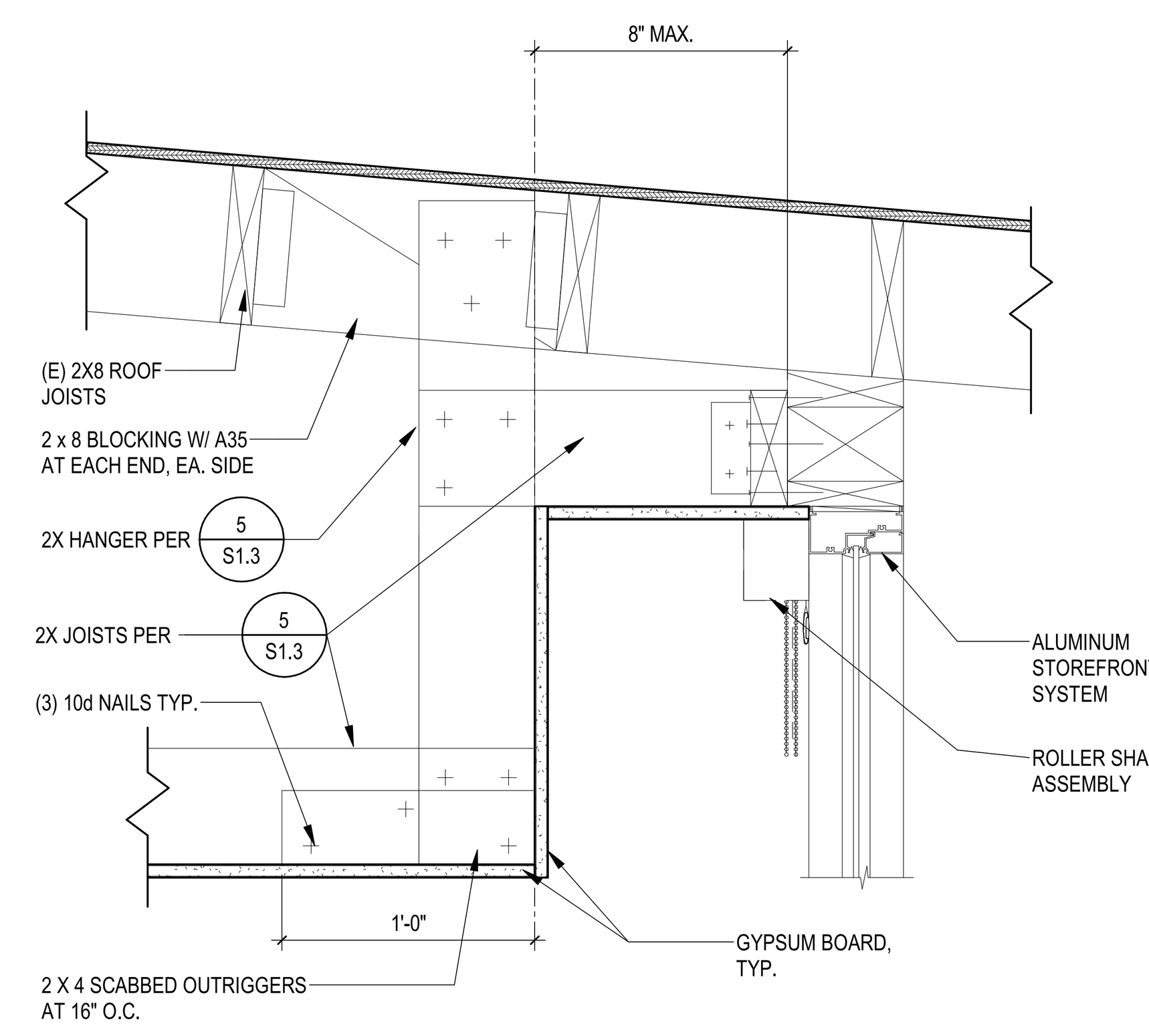
ACCESS PANEL AT GYPSUM BOARD CEILING 3
SCALE: 3" = 1'-0"



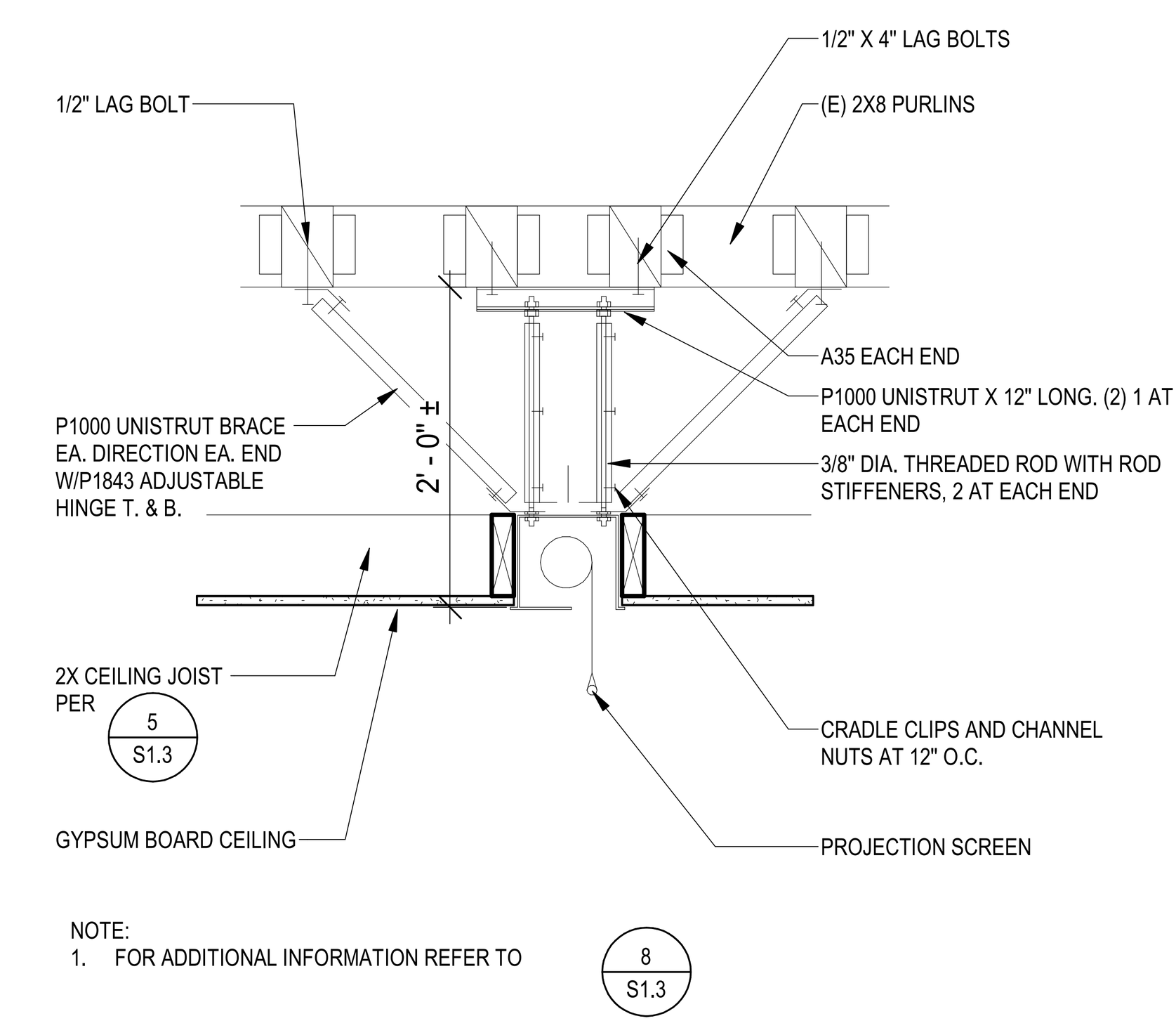
FRAMED GYPSUM BOARD CEILING 4
SCALE: 3" = 1'-0"



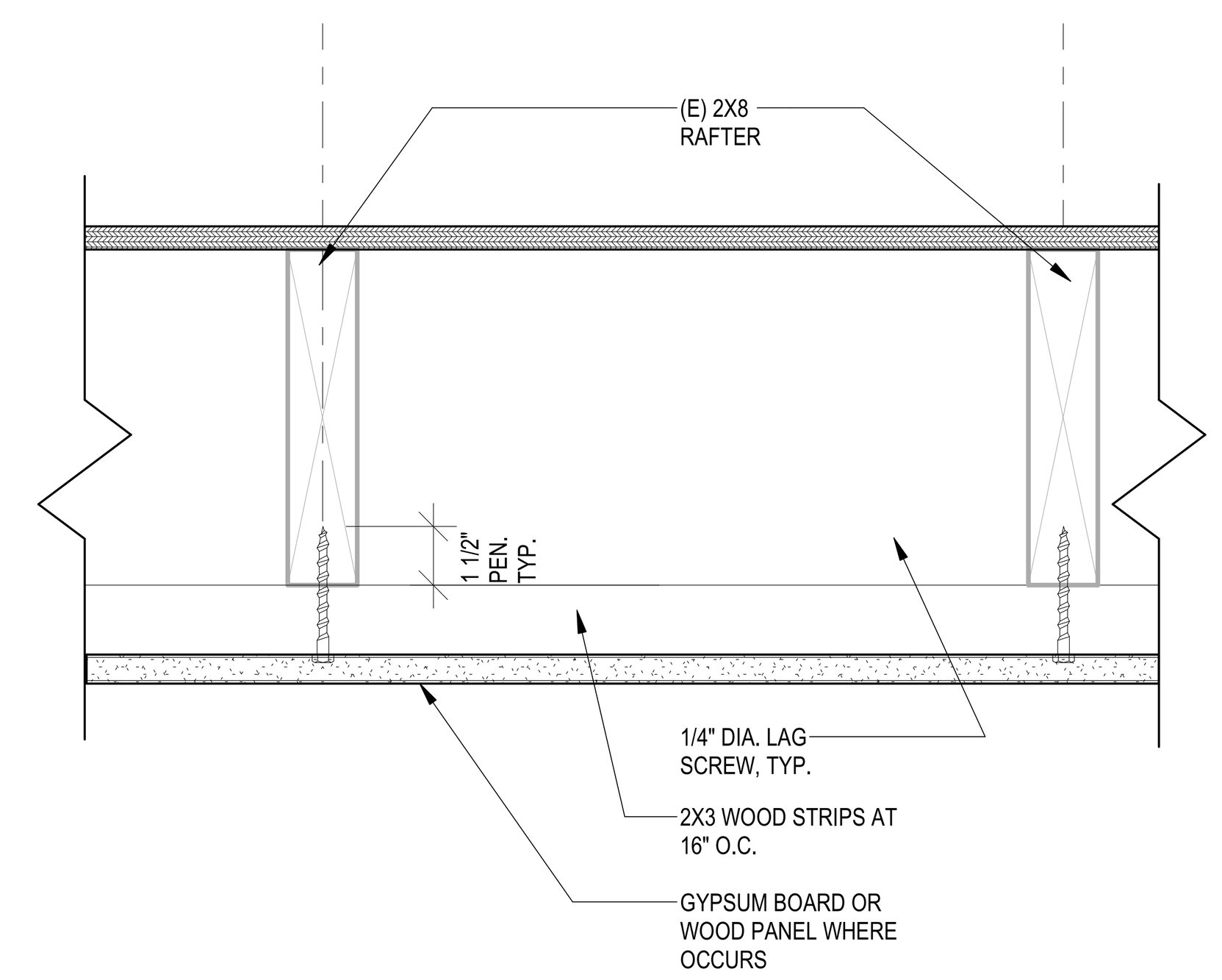
CEILING SOFFIT HANGER CONNECTION 5
SCALE: 1" = 1'-0"



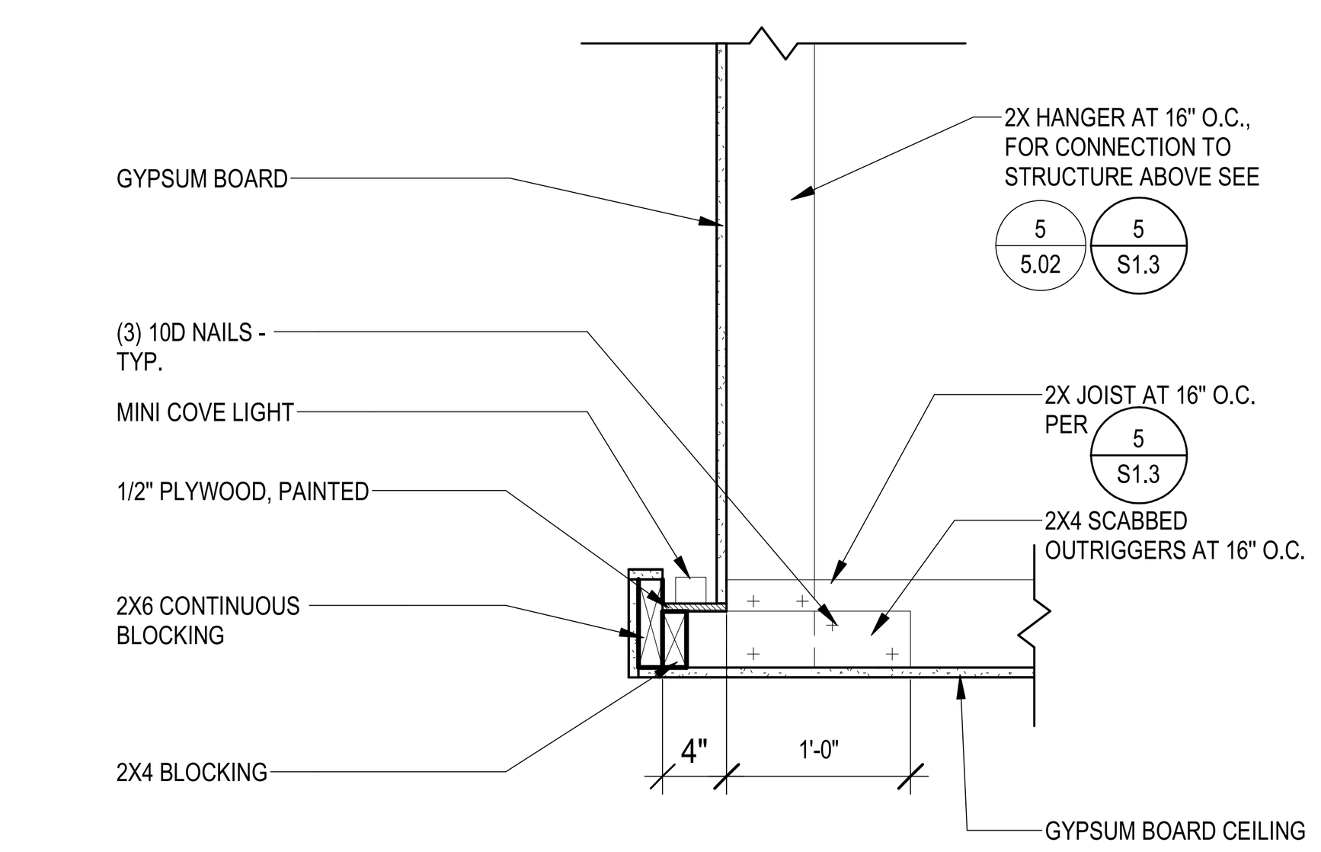
RECESSED SOFFIT 9
SCALE: 1 1/2" = 1'-0"



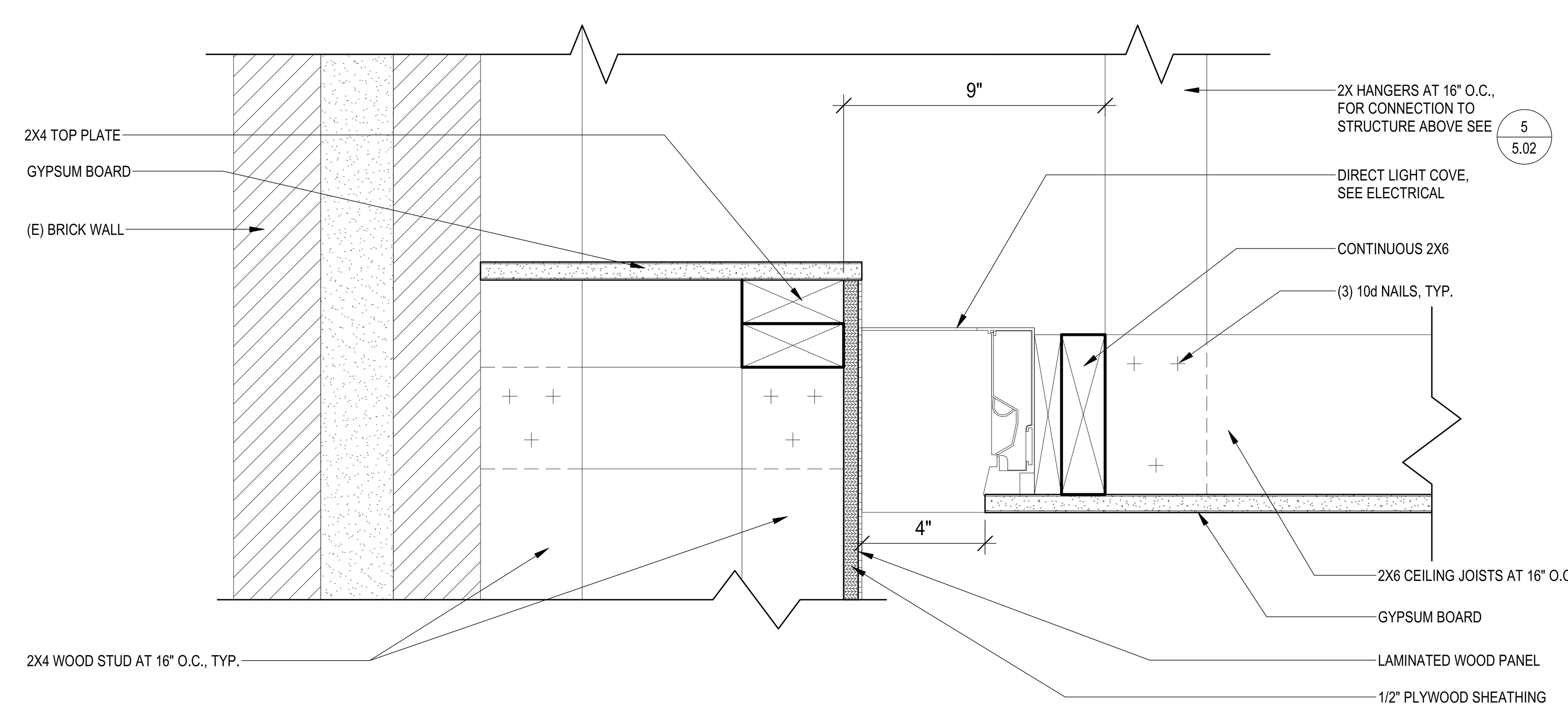
PROJECTION SCREENS AT STAGE 10
SCALE: 1" = 1'-0"



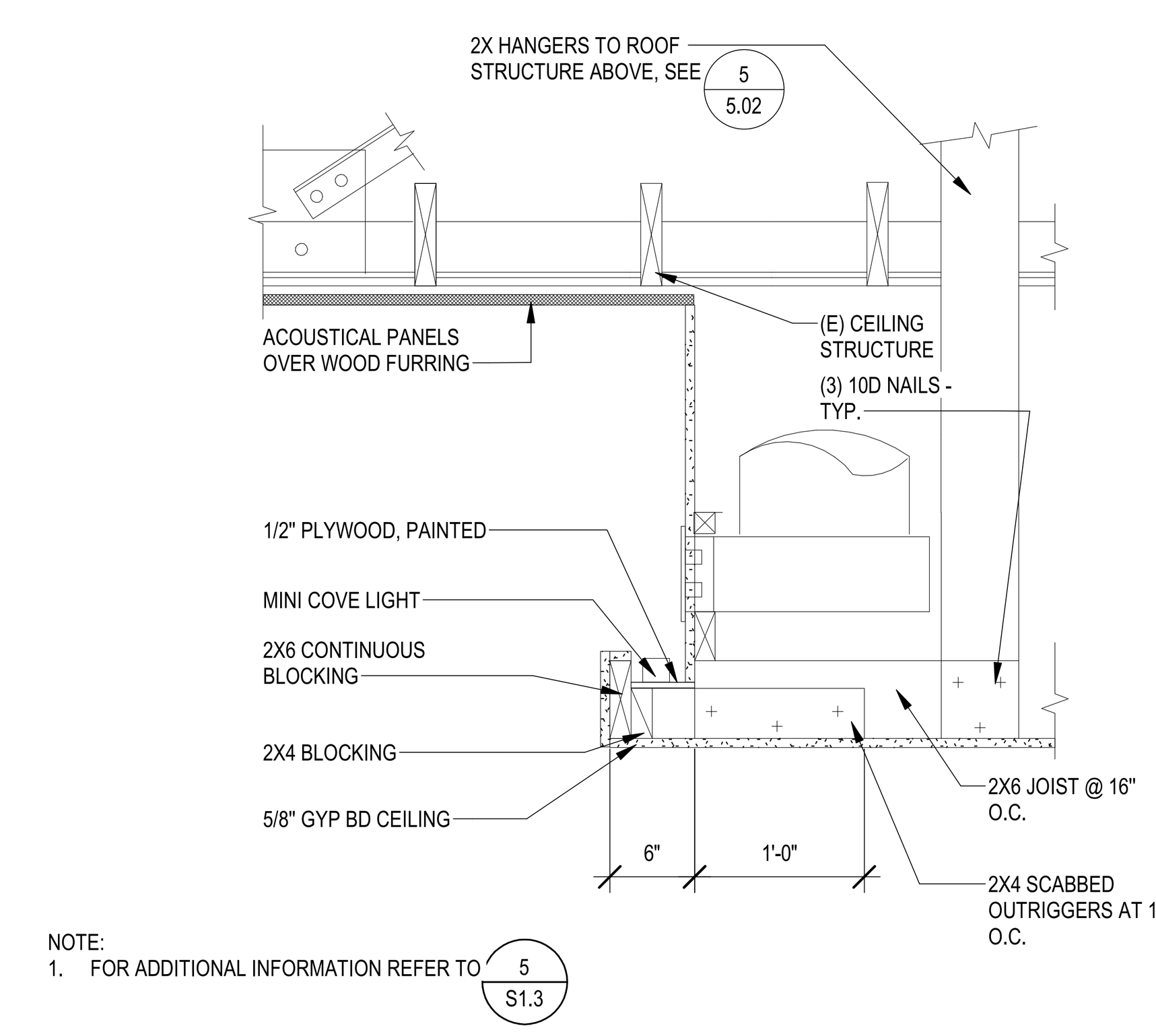
DIRECT MOUNT DETAIL 14
SCALE: 3" = 1'-0"



CEILING SOFFIT 15
SCALE: 1" = 1'-0"



DIRECT LIGHT COVE AT FURRED WALL 19
SCALE: 3" = 1'-0"



STEPPED CEILING W/ LINEAR DIFFUSER 20
SCALE: 1" = 1'-0"

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file name:
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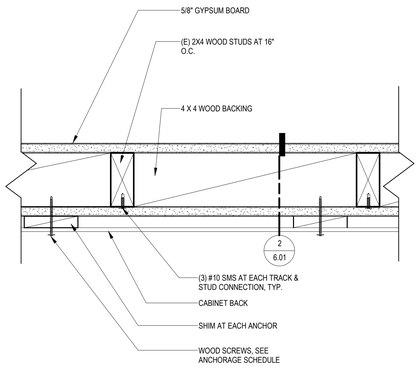
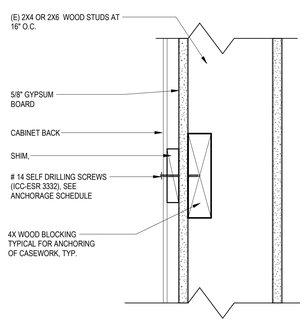
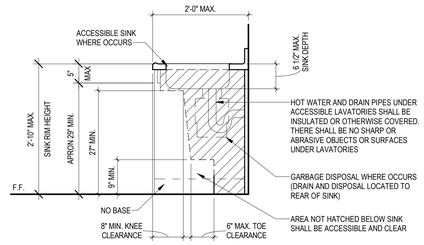


BACKING AT WOOD STUDS - PLAN VIEW
SCALE: 3" = 1'-0" | 1



BACKING SECTION AT WOOD STUDS
SCALE: 3" = 1'-0" | 2



NOTES

1. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS.
2. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE.
3. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

ACCESSIBLE SINK SECTION
SCALE: 3/4" = 1'-0" | 3

100 SERIES - BASE CABINET DESIGNS

STYLE 100 | STYLE 101 | STYLE 102

STYLE 155

ADA SINK WITHOUT BASE 6" EXPOSED APRON AT (E) ACCESSIBLE SINK WHERE OCCURS

200 SERIES - DRAWER BASE CABINET DESIGNS

STYLE 212 | STYLE 254

300 SERIES - WALL HUNG CABINET DESIGNS

STYLE 301 | STYLE 302

400 SERIES - TALL STORAGE CABINET DESIGNS

STYLE 400 | STYLE 402 | STYLE 430

WOODWORK INSTITUTE CABINET DESIGNS
SCALE: 1/4" = 1'-0" | 9

NOTES

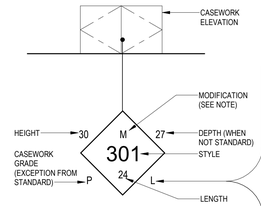
CASEWORK

1. SEE NORTH AMERICAN ARCHITECTURAL WOODWORKS STANDARDS AND DETAIL 9/- FOR CABINET DESIGN STYLES. ONLY THOSE CABINETS CALLED OUT ON BUILDING INTERIOR ELEVATIONS OR FLOOR PLANS SHALL BE PROVIDED.
2. DOOR SWINGS SHALL BE AS SHOWN ON INTERIOR ELEVATIONS. IF NOT ELEVATED, SWINGS SHALL BE AS SHOWN ON DETAIL SHEET ILLUSTRATIONS. SYMBOL 'RS' INDICATES REVERSE SWING.
3. ALL CABINET DIMENSIONS INDICATED ARE NOMINAL OUTSIDE DIMENSIONS, AND SHALL NOT BE EXCEEDED; (EXCEPTION - CABINETS ADJACENT TO WALLS MAY BE INCREASED IN LENGTH TO ELIMINATE THE NEED FOR FILLER STRIPS). A 3/4" TOLERANCE IS PERMITTED ON DIMENSIONS OVER 48" FOR 48" AND SMALLER DIMENSIONS, TOLERANCE IS LIMITED TO 1 1/2%. HEIGHT DIMENSIONS OF BASE CABINETS INCLUDES FINISHED TOP.
4. ALIGN SIDE OF CABINET WITH EDGE OF DOOR FRAME WHERE OCCURS.
5. PAPER AND CHART STORAGE UNITS SHALL BE 27" DEEP UNLESS OTHER WISE NOTED.
6. ALL CASEWORK SHOWN ON INTERIOR ELEVATION SHEETS SHALL HAVE ADJUSTABLE SHELVES.

COUNTERTOPS AND BACKSPLASHES

1. WHERE BACKSPLASH IS INDICATED, IT SHALL BE 4" HIGH AT NON-SINK AREA AND 6" HIGH OR TO UNDERSIDE OF UPPER CABINETS AT WET AREAS (SEE INTERIOR ELEVATIONS), TOP MOUNTED TYPE, HAVING SQUARE TOP WITH SELF EDGE.

SYMBOLS AND NOTATIONS FOR CABINETS



SYMBOL NOTATIONS

C	-	CHALKBOARD ON BACK
CD	-	CHALKBOARD ON DOOR
ML	-	METAL LEGS TO REPLACE CASTERS
WL	-	WOODEN LEGS TO REPLACE CASTERS
G	-	GLIDES TO REPLACE CASTERS
L	-	LOCKS REQUIRED AT ALL DOORS AND/ OR DRAWERS IN CABINETS
M	-	MODIFICATION TO STYLE ONLY
RS	-	REVERSE SWING OF DOOR FROM THAT SHOWN ON DETAIL SHEETS
T	-	TACK BOARD ON BACK
TD	-	TACK BOARD ON DOOR
X	-	IN LIEU OF STYLE NO. INDICATES SPECIAL DESIGN NOT ILLUSTRATED ON DETAIL SHEETS
7	-	SUFFIX ON 100 AND 200 SERIES CONVERT BASE UNITS TO MOVEABLE UNITS

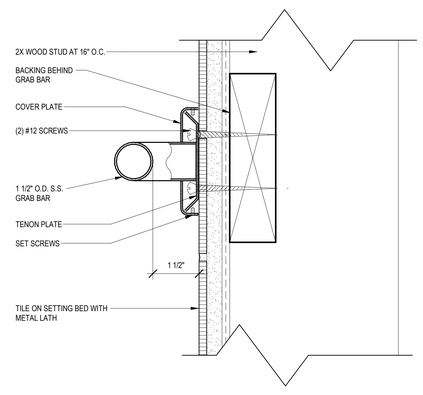
COUNTERTOP NOTATIONS

LAM. PLAS.	-	LAMINATED PLASTIC
HD. BD.	-	HARDBOARD
HDWD.	-	HARDWOOD
CST	-	COMPOSITION STONE
LAB. GRADE	-	ACID-RESISTANT LAMINATED PLASTIC
EP. RES	-	EPOXY RESIN

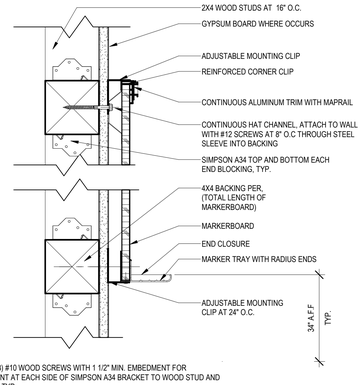
CASEWORK GRADES

P	-	PREMIUM
C	-	CUSTOM (TYP. GRADE U.N.O.)
E	-	ECONOMY
LAB	-	LABRATORY

TYPICAL CASEWORK NOTES
SCALE: 12" = 1'-0" | 10



TYPICAL BACKING AT GRAB BAR
SCALE: 6" = 1'-0" | 11

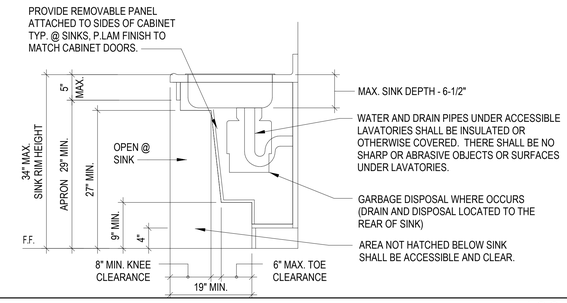


NOTE:
1. PROVIDE (3) #10 WOOD SCREWS WITH 1 1/2" MIN. EMBEDMENT FOR ATTACHMENT AT EACH SIDE OF SIMPSON A34 BRACKET TO WOOD STUD AND BLOCKING, TYP.

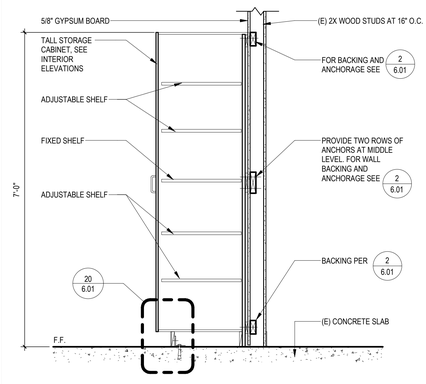
MARKERBOARD ATTACHMENT
SCALE: 3" = 1'-0" | 12

NOTES

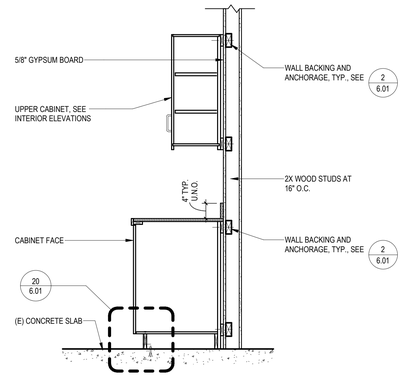
1. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



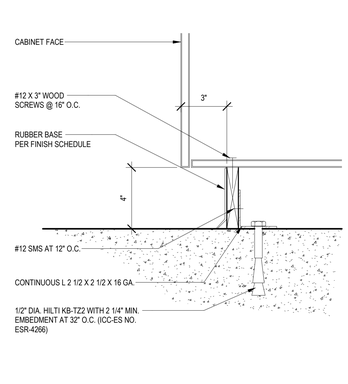
ACCESSIBLE SINK
SCALE: 1" = 1'-0" | 15



TALL CABINET ACHORAGE
SCALE: 3/4" = 1'-0" | 18



TYP. CASEWORK ANCHORAGE
SCALE: 3/4" = 1'-0" | 19



TYP. CASEWORK ANCHORAGE AT BASE
SCALE: 3" = 1'-0" | 20

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file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:19:07 AM

rev:	date:	description:

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TYPICAL CASEWORK DETAILS

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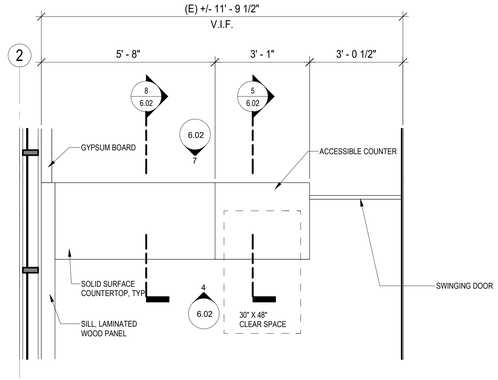
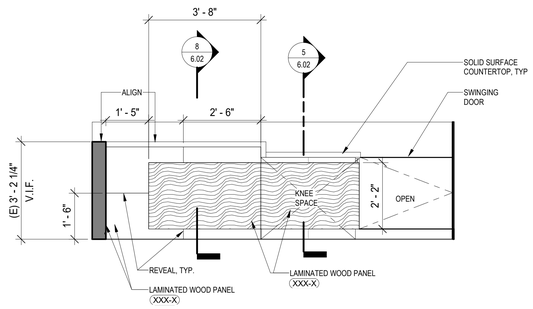
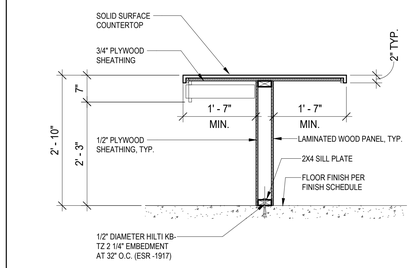


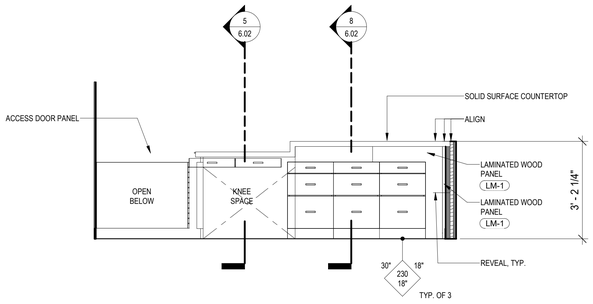
ENLARGED PLAN AT RECEPTION COUNTER
SCALE: 1/2" = 1'-0" | 2



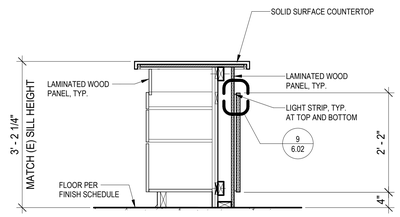
ELEVATION AT AT RECEPTION COUNTER (PUBLIC SIDE)
SCALE: 1/2" = 1'-0" | 4



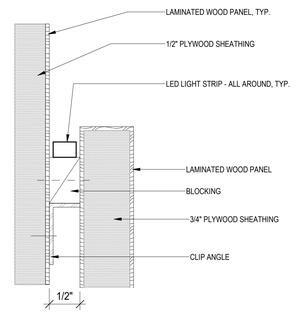
SECTION AT ACCESSIBLE COUNTER
SCALE: 3/4" = 1'-0" | 5



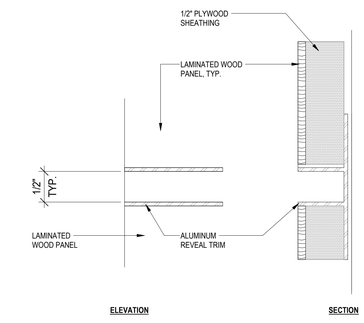
ELEVATION AT RECEPTION COUNTER (PRIVATE SIDE)
SCALE: 1/2" = 1'-0" | 7



SECTION AT RECEPTION COUNTER
SCALE: 3/4" = 1'-0" | 8



LIGHT STRIP AT RECEPTION COUNTER
SCALE: 1/2" = 1'-0" | 9



REVEAL AT RECEPTION COUNTER
SCALE: 1/2" = 1'-0" | 10

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drawn by: Author checked by: Checker

date: 02.28.2025 2/27/2025 11:57:13 AM

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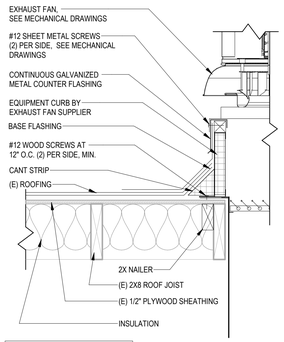
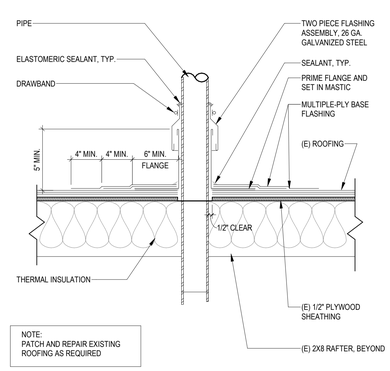


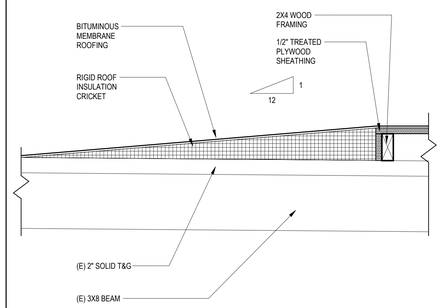
NOTE:
1. PATCH AND REPAIR EXISTING ROOFING AS REQUIRED.

EXHAUST FAN PENETRATION AT ROOF 1
SCALE: 1 1/2" = 1'-0"

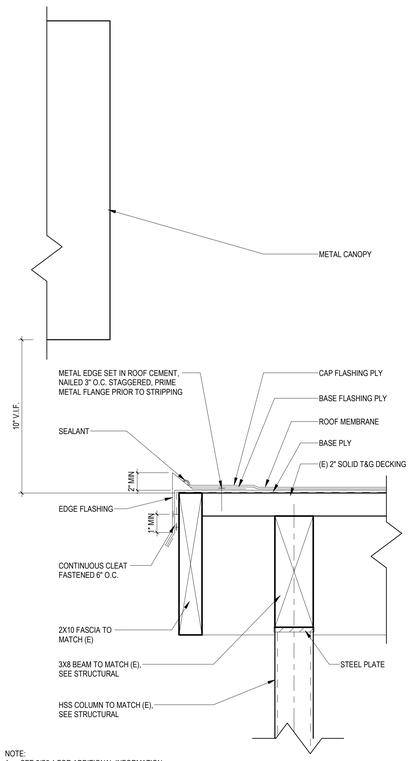


NOTE:
PATCH AND REPAIR EXISTING ROOFING AS REQUIRED

TYP. PIPE PENETRATION AT ROOF 2
SCALE: 1 1/2" = 1'-0"

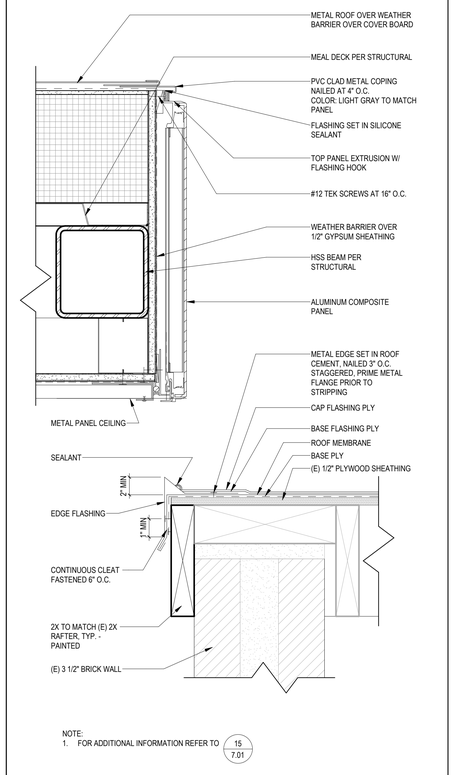


CRICKET AT (E) COVERED WALKWAY 3
SCALE: 1 1/2" = 1'-0"



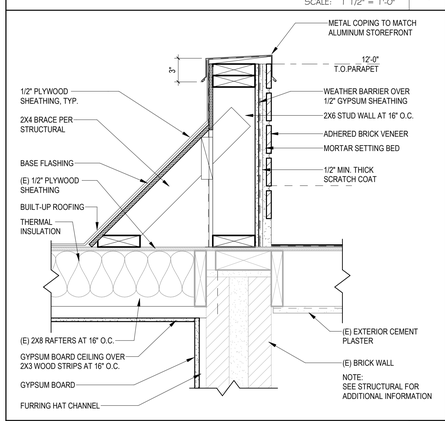
NOTE:
1. SEE 5/SS.1 FOR ADDITIONAL INFORMATION.

FASCIA AT (E) WALKWAY COVER 9
SCALE: 3" = 1'-0"

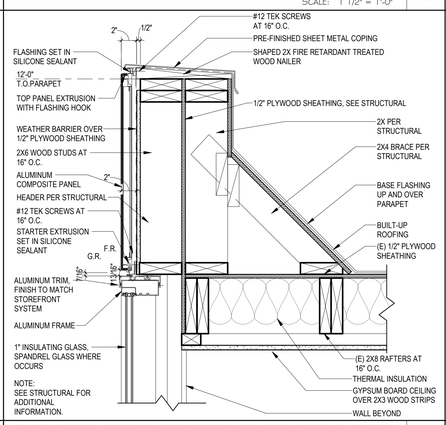


NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO 15 / 7.01

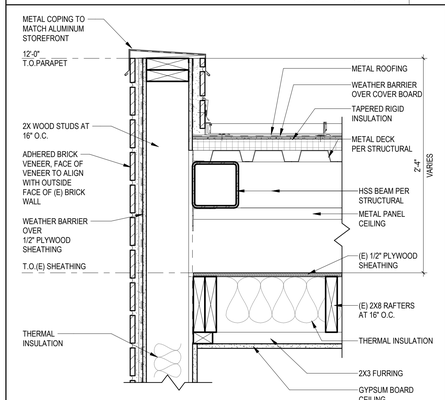
(E) ROOF AT METAL CANOPY 10
SCALE: 3" = 1'-0"



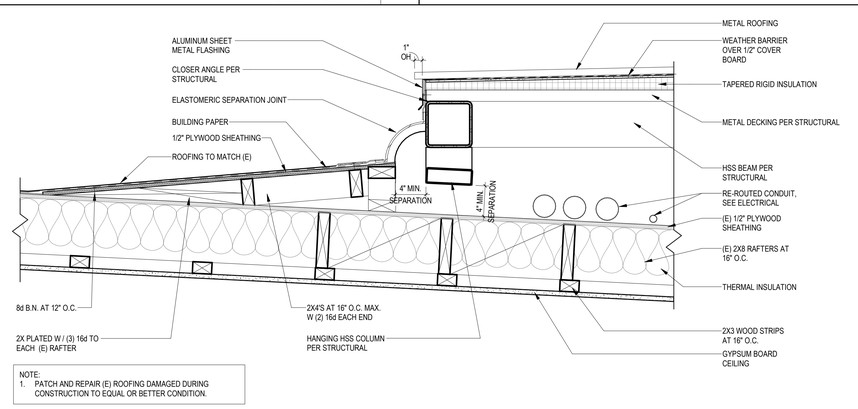
PARAPET AT (E) BRICK PIER 6
SCALE: 1 1/2" = 1'-0"



PARAPET AT ALUMINUM COMPOSITE PANEL 7
SCALE: 1 1/2" = 1'-0"

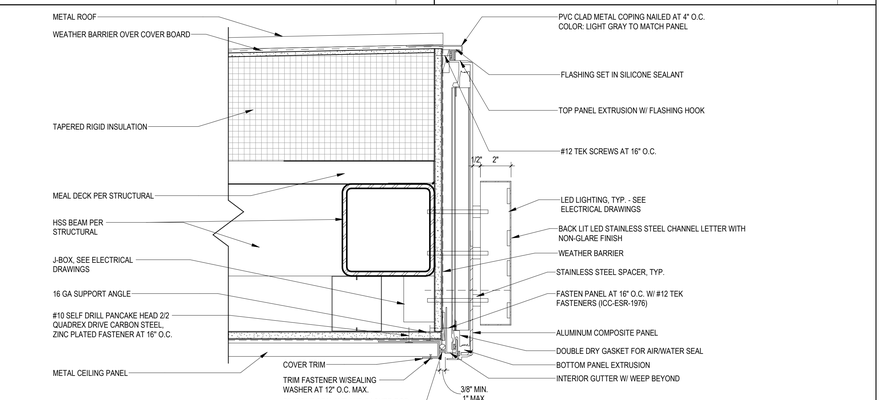


PARAPET FLASHING AT METAL CANOPY 11
SCALE: 1 1/2" = 1'-0"

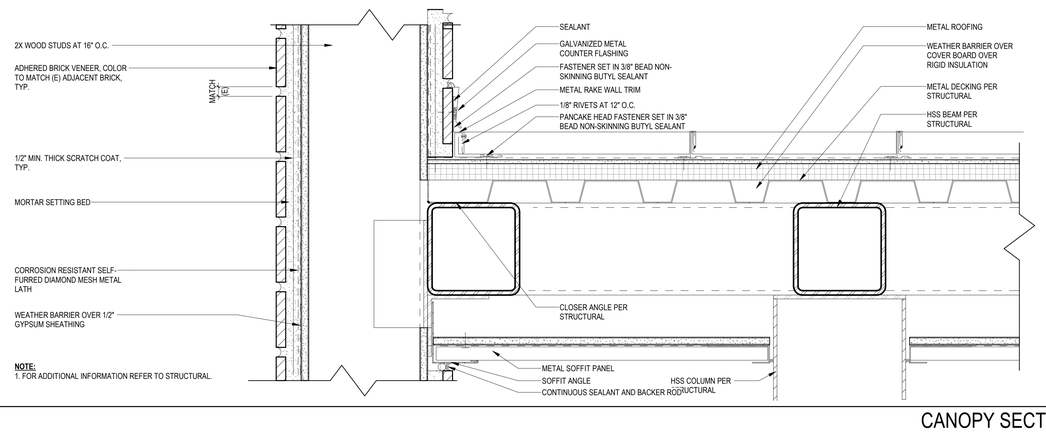


NOTE:
1. PATCH AND REPAIR (E) ROOFING DAMAGED DURING CONSTRUCTION TO EQUAL OR BETTER CONDITION.

CRICKET SECTION AT METAL CANOPY 13
SCALE: 1 1/2" = 1'-0"

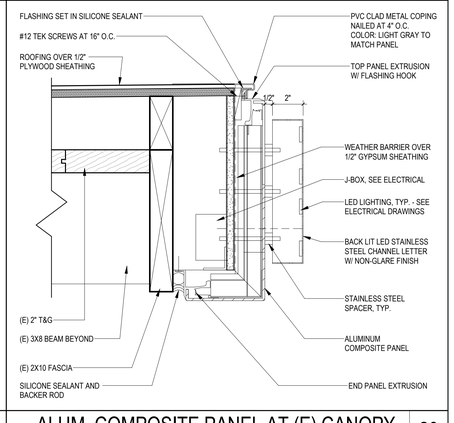


SOFFIT AT METAL CANOPY 15
SCALE: 3" = 1'-0"



NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

CANOPY SECTION AT WALL 19
SCALE: 3" = 1'-0"



ALUM. COMPOSITE PANEL AT (E) CANOPY 20
SCALE: 3" = 1'-0"

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HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 3/4/2025 12:09:47 PM

rev:	date:	description:

drawing title:

ROOF DETAILS

drawing no.:

7.01

DOOR SCHEDULE

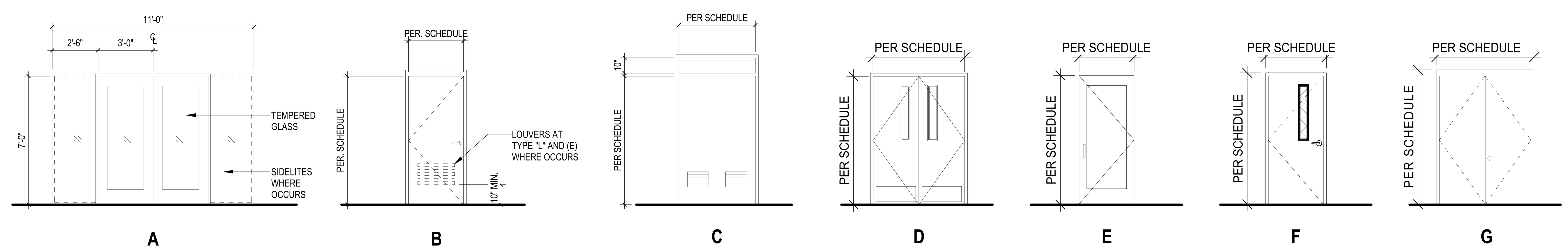
DOOR NO.	WIDTH	HEIGHT	TYPE	DOOR MATERIAL	DOOR FINISH	DOOR COLOR	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	DETAILS JAMB	DETAILS HEAD	DETAILS TRANSOM	DETAILS THRESHOLD	DOOR ASSEMBLY RATING	REMARKS (COMMENTS)	HARDWARE SET
1A	3'-2"	7'-0"	B	HM	PSG		(E) HM	PSG		6/8.10	2/8.10		16/8.10			1
1B	3'-2"	7'-0"	B	HM	PSG		(E) HM	PSG		6/8.10	2/8.10		16/8.10			1
1D	6'-0"	7'-0"	G	HM	PSG		HM	PSG		6/8.10 SIM	2/8.10		18/8.10			2
2A	3'-8"	7'-0"	B	HM	PSG		(E) HM	PSG		6/8.10 SIM	2/8.10		17/8.10			3
2B	4'-8"	7'-0"	D	HM	PSG		HM	PSG		6/8.10 SIM	1/8.10		18/8.10			4
3	4'-6"	7'-0"	C	HM	PSG		(E) HM	PSG		6/8.10 SIM	2/8.10		17/8.10			5
4	3'-0"	7'-0"	F	SCN	FF		HM	PSG		10/8.10	10/8.10		18/8.10			6
5	3'-1"	7'-0 1/2"	E	AL	FF		AL	FF		12/8.10	1/8.10 SIM	13/8.10	18/8.10			7
6	3'-2"	7'-0"	B	HM	PSG		(E) HM	PSG		6/8.10 SIM	2/8.10		16/8.10			3
7	3'-8"	7'-0"	B	HM	PSG		(E) HM	PSG		6/8.10 SIM	2/8.10		17/8.10			3
8	3'-0"	7'-0"	B	HM	PSG		HM	PSG		10/8.10	10/8.10		18/8.10			8
9	3'-2"	7'-0 1/32"	E	AL	FF		AL	FF		12/8.10	1/8.10 SIM	13/8.10	18/8.10			9
11A	3'-0"	7'-0"	F	SCN	FF		HM	PSG		6/8.10 SIM	1/8.10 SIM		18/8.10			9
11B	3'-0"	7'-0"	E	AL	FF		AL	FF		15/8.10	10/8.10 SIM	13/8.10	18/8.10			9
12	6'-0"	7'-0"	A	AL	FF		AL	FF		14/8.10	4/8.10	4/8.10	19/8.10			10
13	3'-0"	7'-0"	B	SCN	FF		HM	PSG		10/8.10	10/8.10		18/8.10			11
16A	3'-0"	7'-0"	B	HM	PSG		HM	PSG		8/8.10 SIM	2/8.10 SIM		18/8.10			12
16B	3'-0"	7'-0"	F	SCN	FF		HM	PSG		10/8.10	10/8.10		18/8.10			8
17	3'-0"	7'-0"	B	HM	PSG		HM	PSG		10/8.10	10/8.10		18/8.10			13
18	2'-4"	7'-0"	B	HM	PSG		HM	PSG		10/8.10	10/8.10		18/8.10			13
20	3'-0"	7'-0"	F	SCN	FF		HM	PSG		10/8.10	10/8.10		18/8.10			8
23	3'-0"	7'-0"	B	HM	PSG		HM	PSG		10/8.10	10/8.10		20/8.10			11
24	3'-0"	7'-0"	B	HM	PSG		HM	PSG		10/8.10	10/8.10		20/8.10			11
25A	3'-2"	7'-0"	B	HM	PSG		HM	PSG		6/8.10 SIM	1/8.10		19/8.10 SIM			14
25B	3'-0"	7'-0"	F	SCN	FF		HM	PSG		10/8.10	10/8.10		18/8.10			15
26A	3'-2"	7'-0"	B	HM	PSG		HM	PSG		6/8.10 SIM	1/8.10		17/8.10			14
27	2'-10 1/8"	7'-0"	E	AL	FF		AL	FF		9/8.10	4/8.10	4/8.10	19/8.10 SIM			16
29	6'-0"	7'-0"	A	AL	FF		AL	FF		14/8.10	4/8.10	4/8.10	19/8.10			10

NOTES

1. DOORS SHALL BE 1-3/4" THICK, UNLESS NOTED OTHERWISE.
2. THE LETTER 'P' FOLLOWING THE 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES PAIR OF DOORS. BOTH DOOR LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
3. THE LETTER 'X' FOLLOWING THE 'DOOR TYPE' LETTER IN THE DOOR SCHEDULE INDICATES A FIXED PANEL ABOVE DOOR LEAF. SCHEDULE DIMENSION INCLUDES PANEL, UNLESS NOTED OTHERWISE.
4. FIXED PANELS SHALL BE OF THE SAME MATERIAL, CONSTRUCTION, AND THICKNESS AS DOOR LEAF, AND SHALL BE PROVIDED BY THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE.
5. THE LETTER 'L' FOLLOWING 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES DOORS WITH LOUVERS. SEE DOOR TYPE FOR SIZE OF LOUVER.
6. LOUVERS IN EXTERIOR DOORS SHALL BE VANDAL-PROOF, SECURITY TYPE.
7. GLASS IN FIRE RATED DOORS AND SIDE LIGHTS SHALL BE U.L. LISTED FIRE-RESISTIVE GLASS, INSTALLED IN HOLLOW METAL FRAMES. GLASS LITES IN 60 MINUTE FIRE RATED ASSEMBLIES SHALL NOT EXCEED 100 SQUARE INCHES.
8. GLASS IN NON-RATED EXTERIOR AND INTERIOR DOORS SHALL BE 1/4" TEMPERED SAFETY GLASS.
9. EXTERIOR DOOR REQUIREMENTS:
   A. EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
   B. EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   C. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE FINISH FLOOR.
   D. PANIC HARDWARE SHALL BE 36" TO 44" ABOVE FINISH FLOOR.
   E. DEAD BOLTS ARE NOT PERMITTED.
10. GLAZING TO BE TYPE G3 AND TEMPERED SAFETY, AND INSULATED GLASS AT EXTERIOR WINDOWS.
11. ALTERATIONS TO FIRE RATED DOORS TO BE CONSTRUCTED IN COMPLIANCE WITH NFPA 80 (SEE 5.1.5). FIRE DOOR ASSEMBLY INSPECTION MUST BE CONDUCTED AFTER MAINTENANCE WORK IS COMPLETED.

DOOR ABBREVIATIONS

AL	ALUMINUM
FF	FACTORY FINISH
HM	HOLLOW METAL
PSG	PAINT, SEMI-GLOSS FINISH
SCN	SOLID CORE, NATURAL FINISH
OMT	OMIT



DOOR TYPES

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tBP project number: 21206.00
file name:
drawn by: Author checked by: D.F.
date: 02.28.2025 2/28/2025 11:20:07 AM

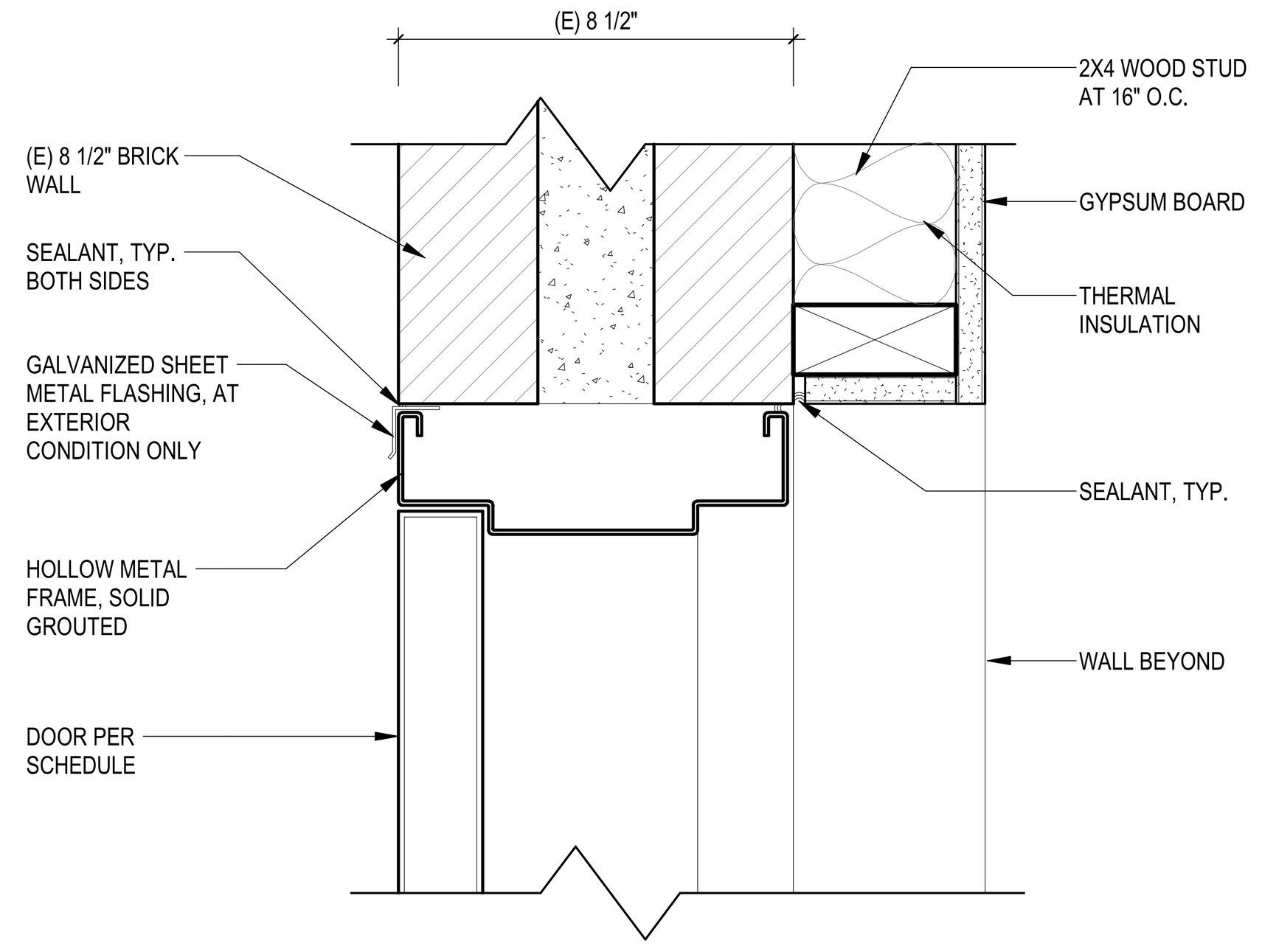
rev:	date:	description:

drawing title:

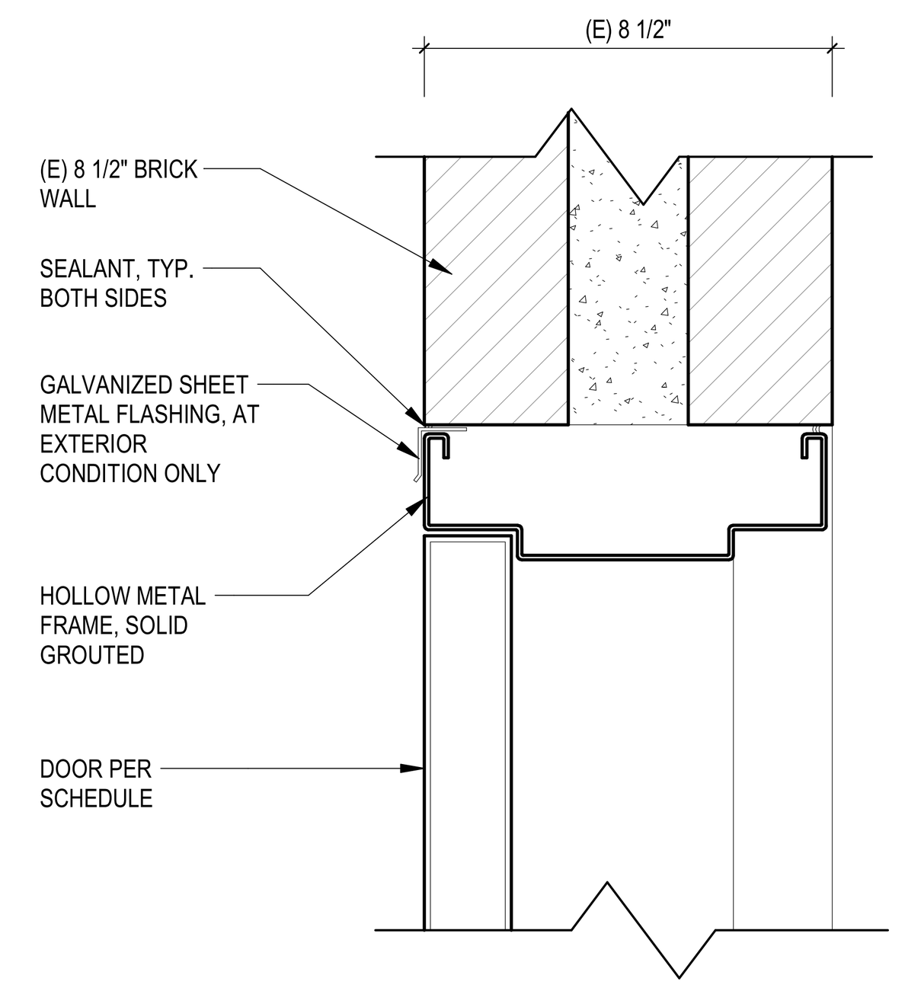
DOOR SCHEDULE

drawing no.:

8.01



EXT. HM. DOOR HEAD AT (E) BRICK WALL 1
SCALE: 3" = 1'-0"



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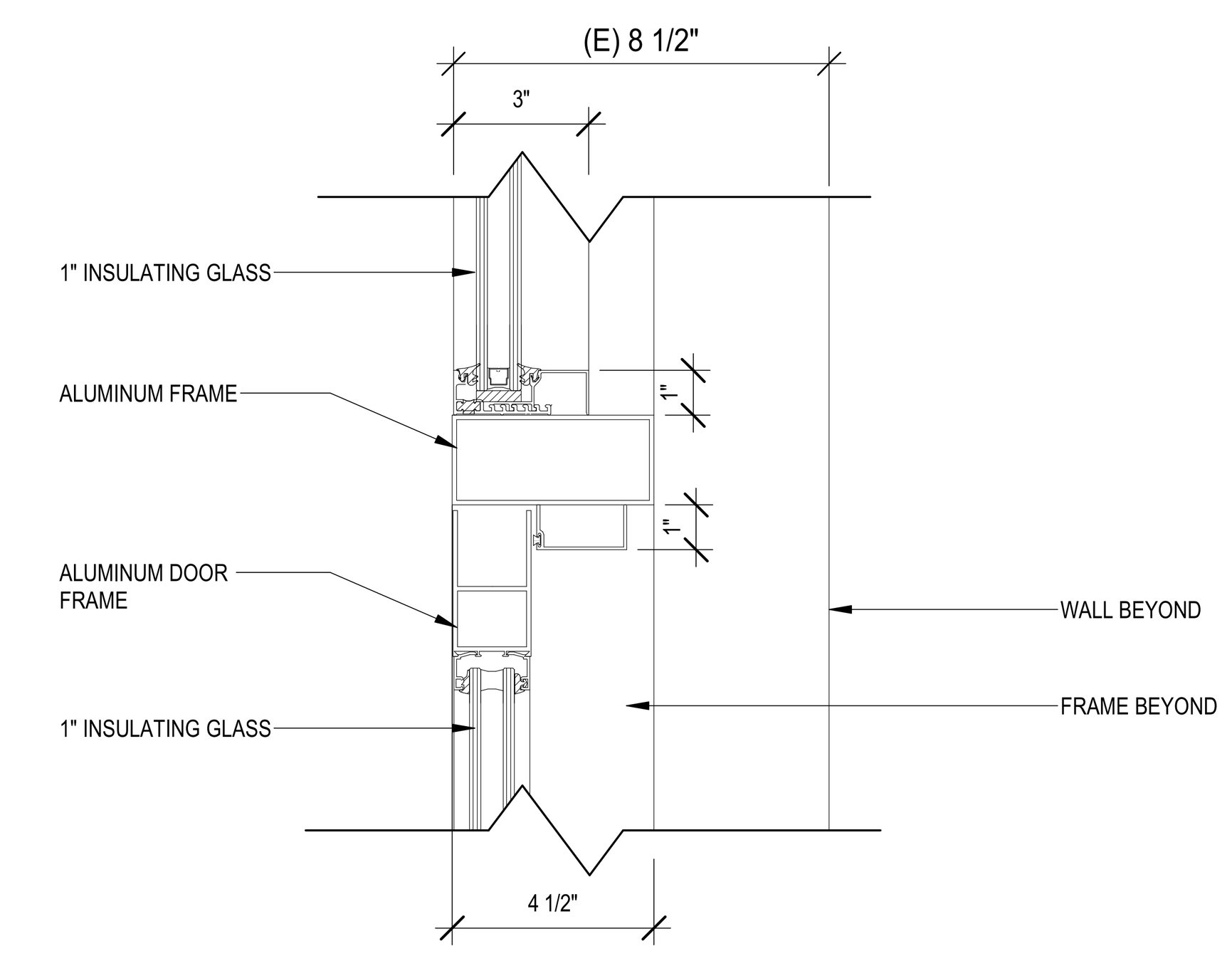
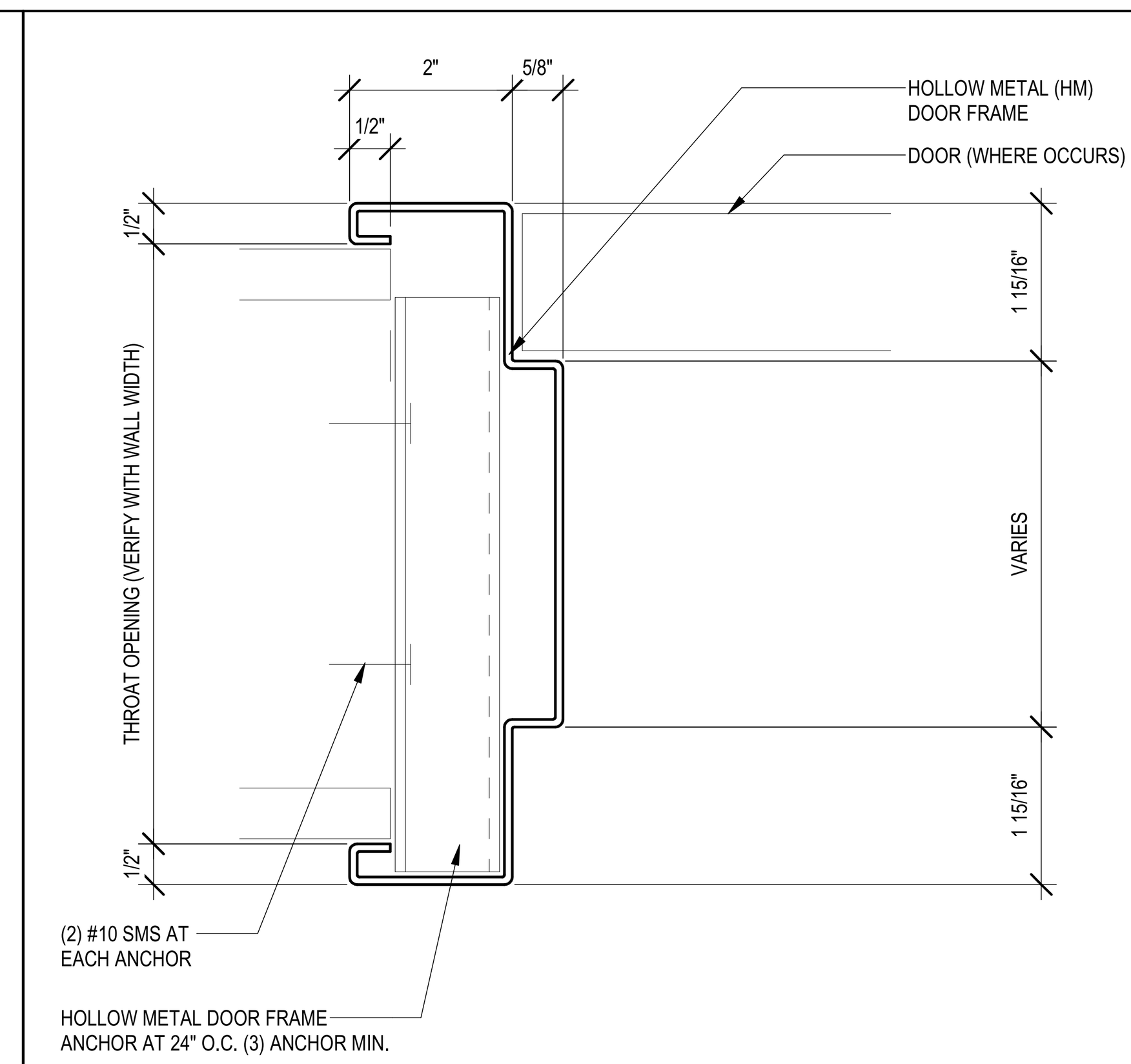
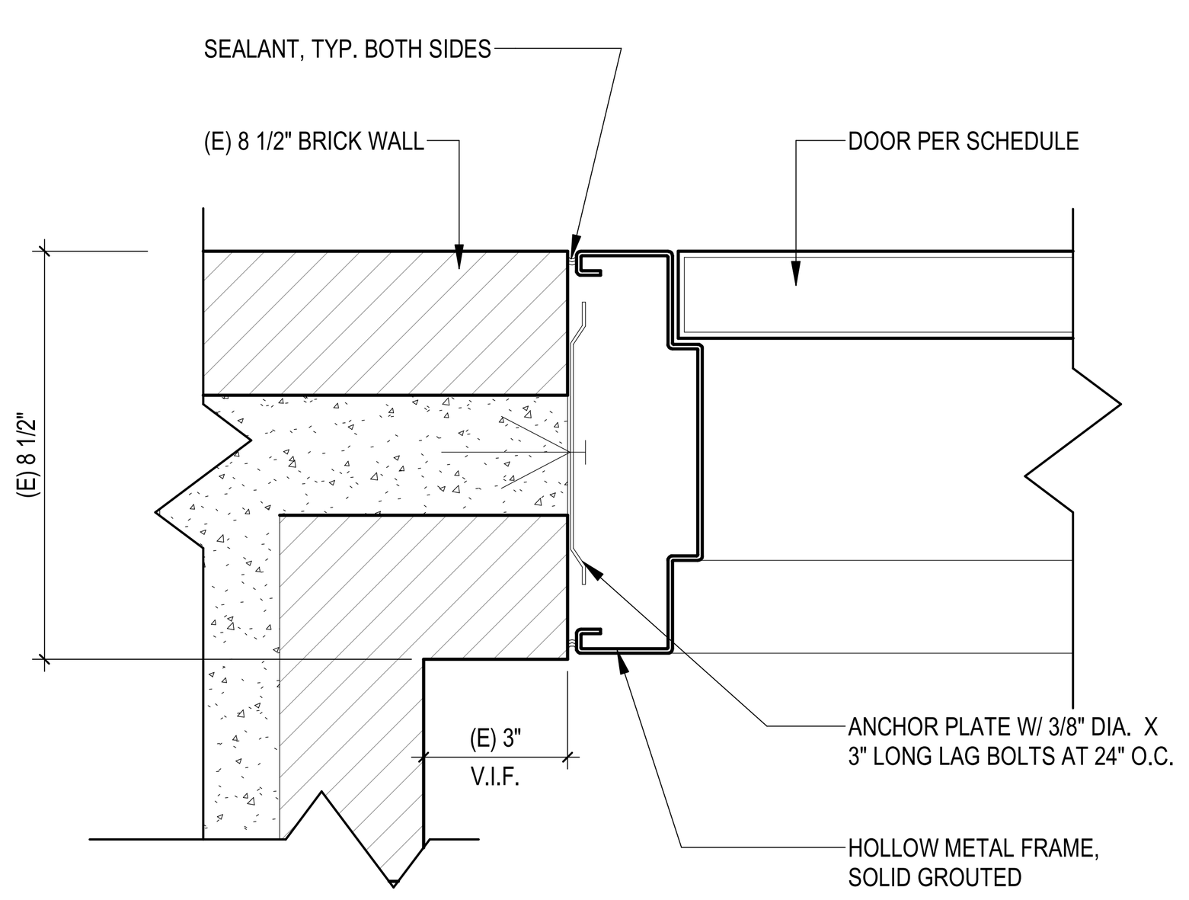
SCALE: 3" = 1'-0"



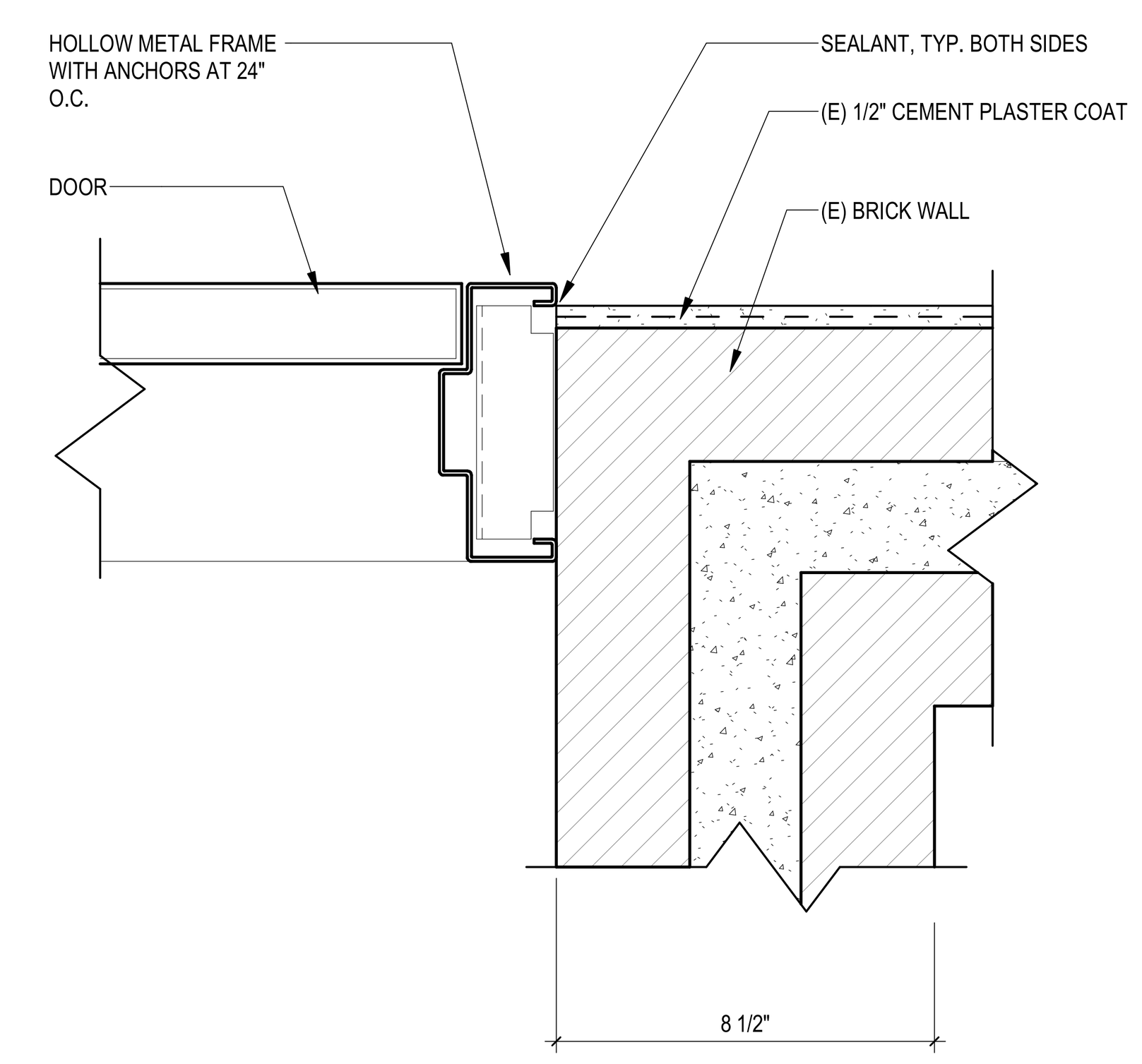
EXTERIOR HEAD AT TRANSOM 4
SCALE: 3" = 1'-0"



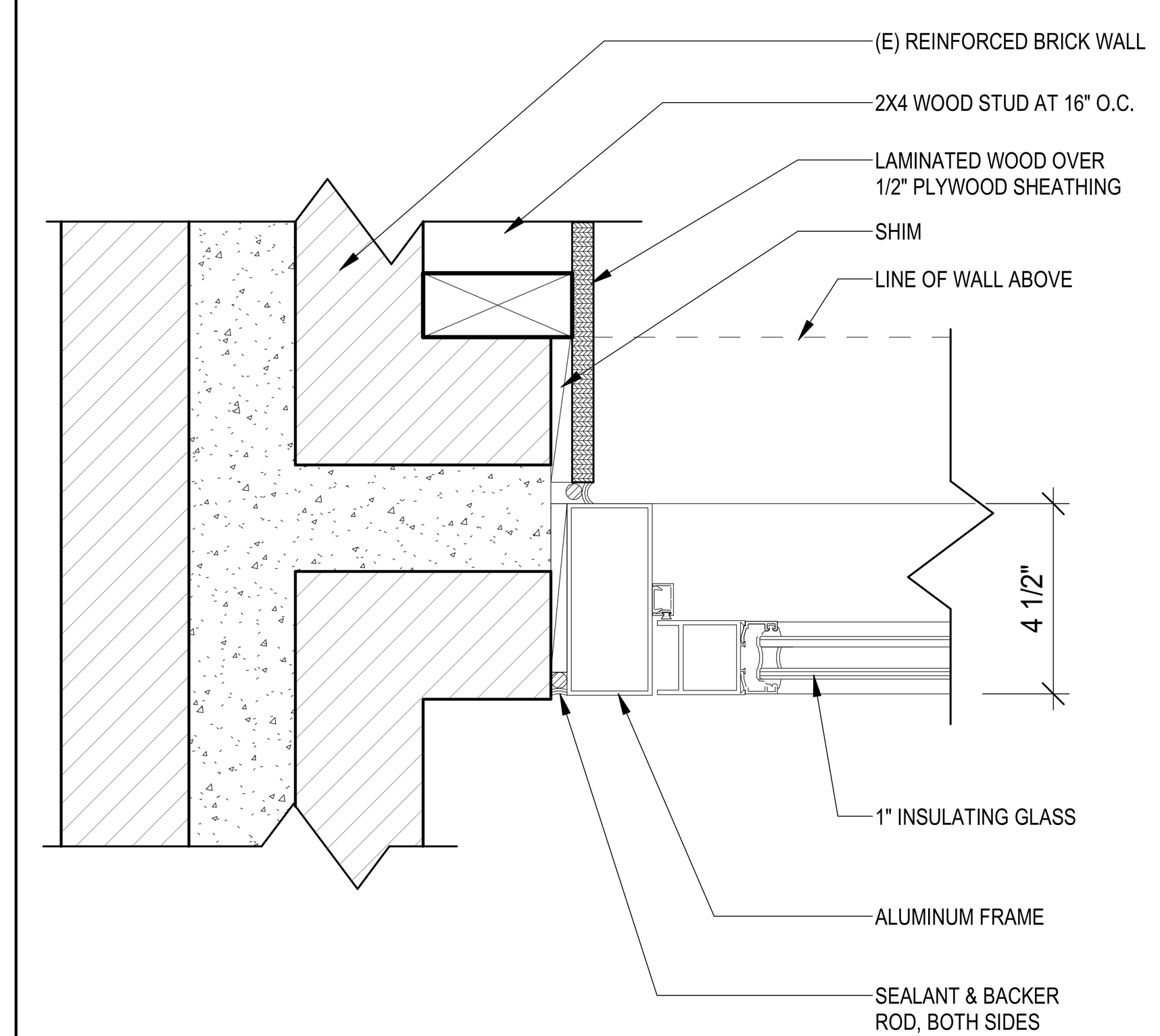
TYPICAL HOLLOW METAL FRAME PROFILE 5
SCALE: 6" = 1'-0"



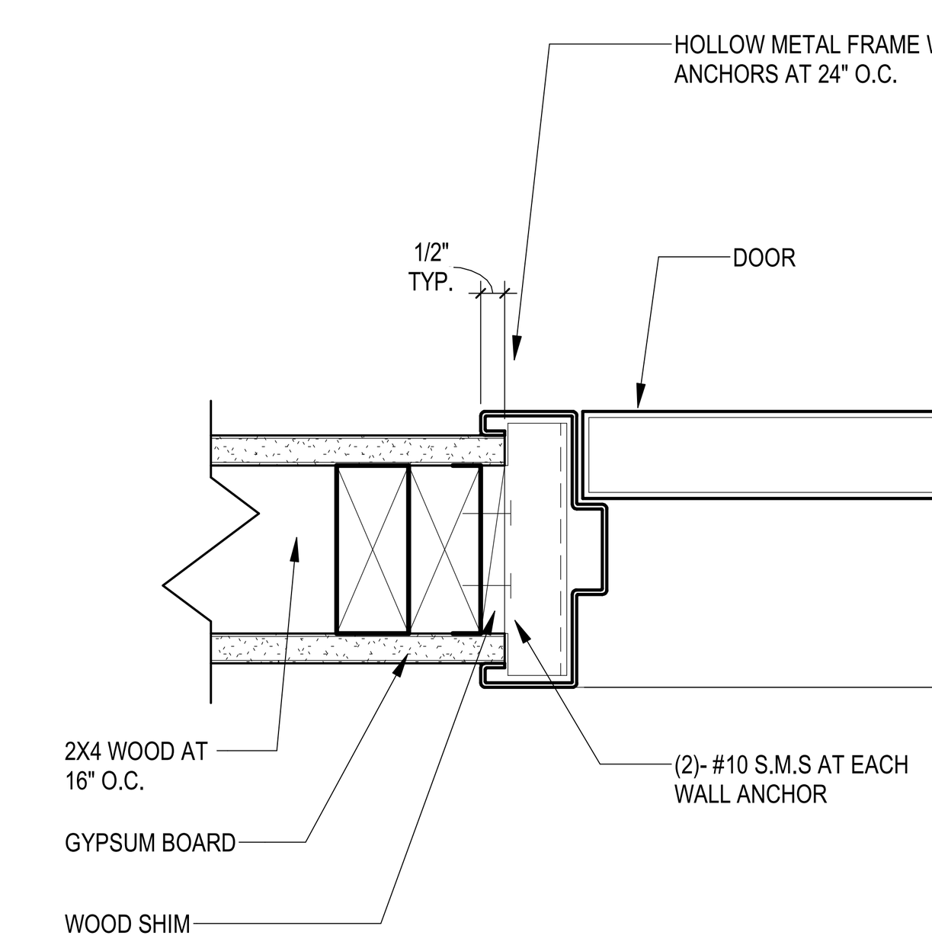
EXT. HM DOOR JAMB AT (E) BRICK WALL 6
SCALE: 3" = 1'-0"



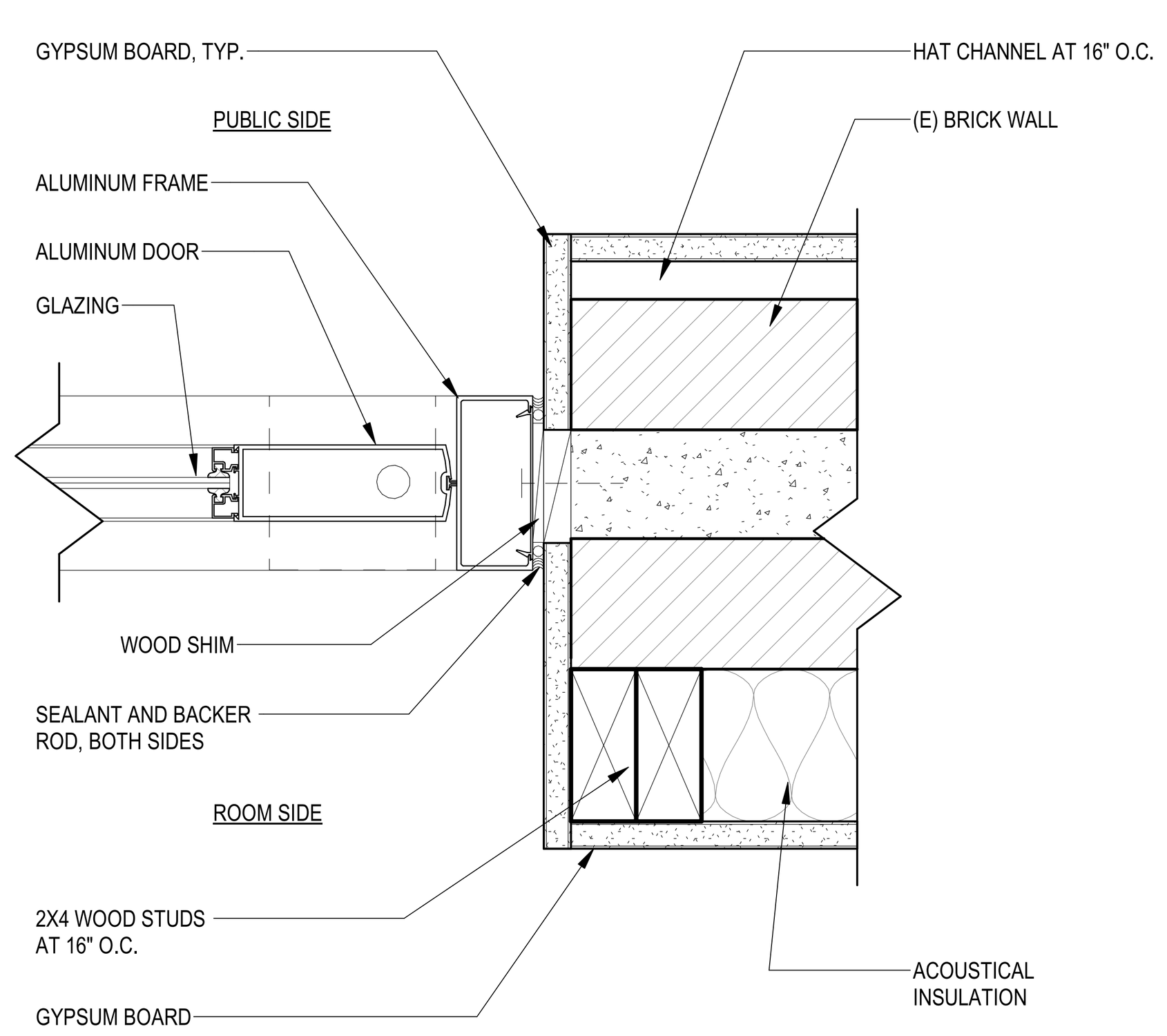
HOLLOW METAL DOOR - INT. JAMB (E) WALL 8
SCALE: 3" = 1'-0"



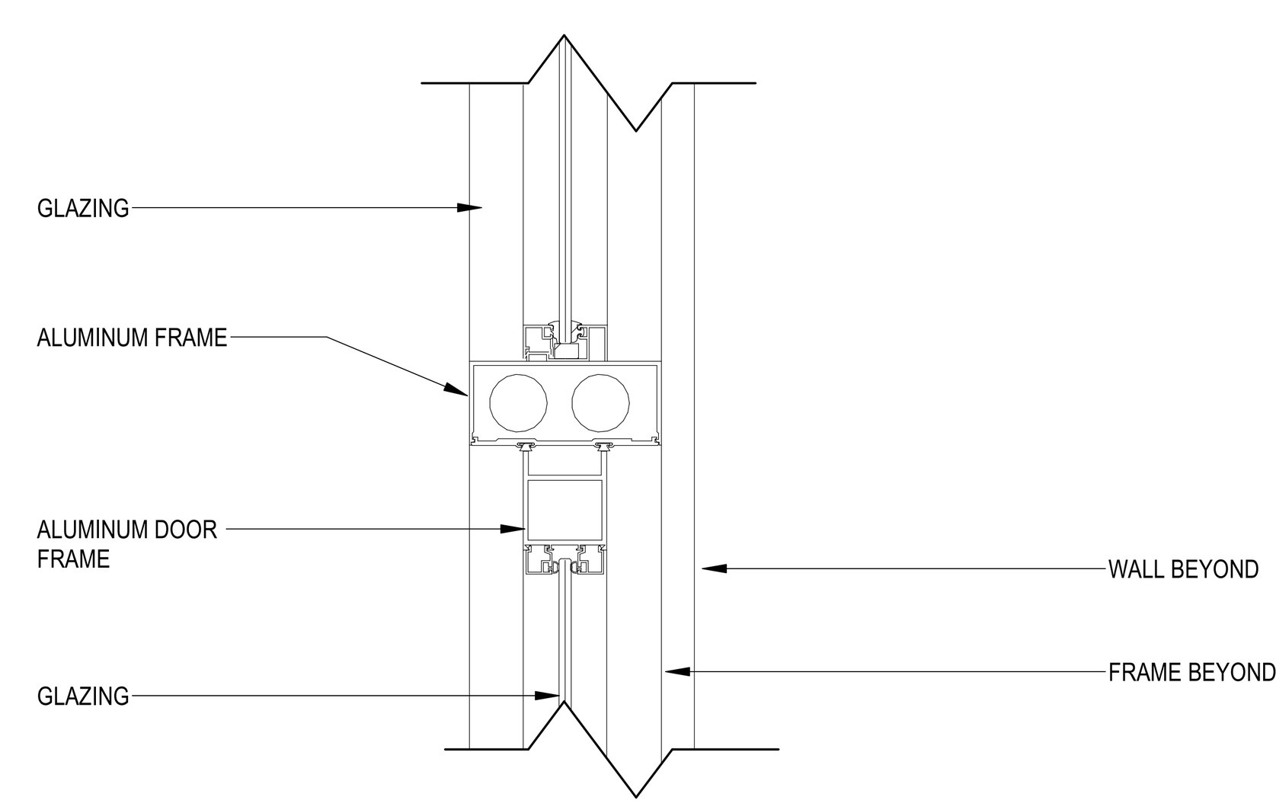
EXT. STOREFRONT JAMB AT (E) BRICK WALL 9
SCALE: 3" = 1'-0"



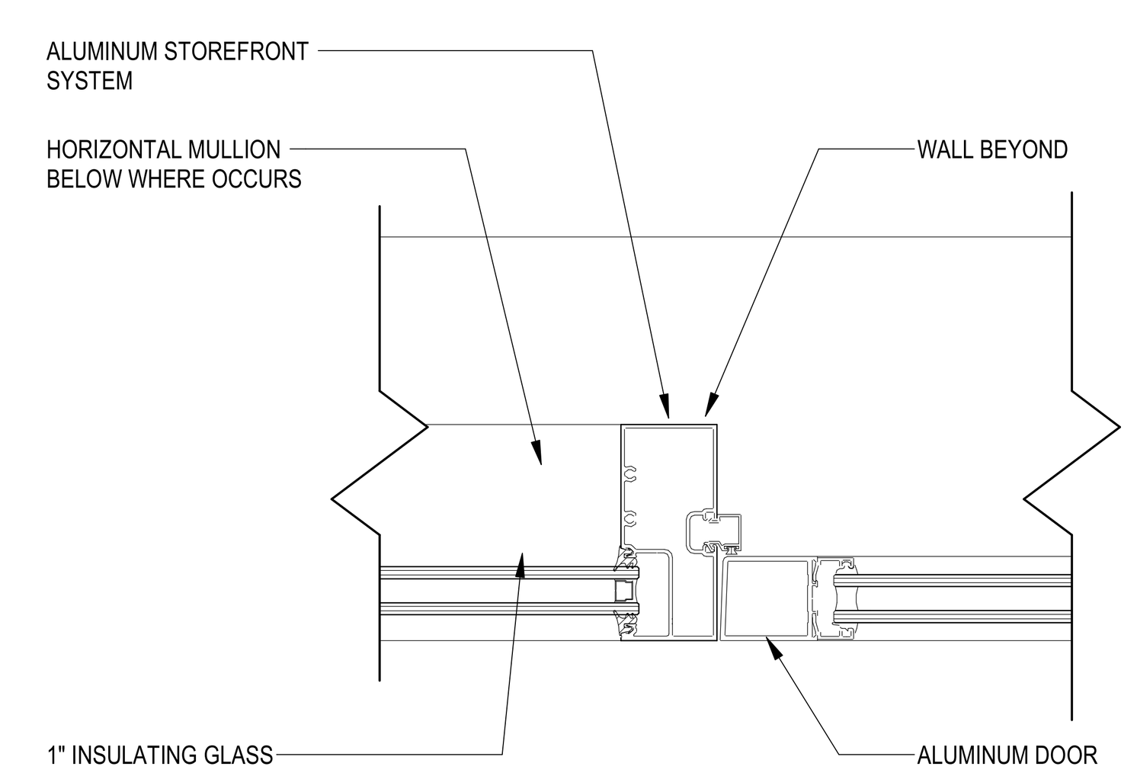
INTERIOR DOOR JAMB/ HEAD SIM. 10
SCALE: 3" = 1'-0"



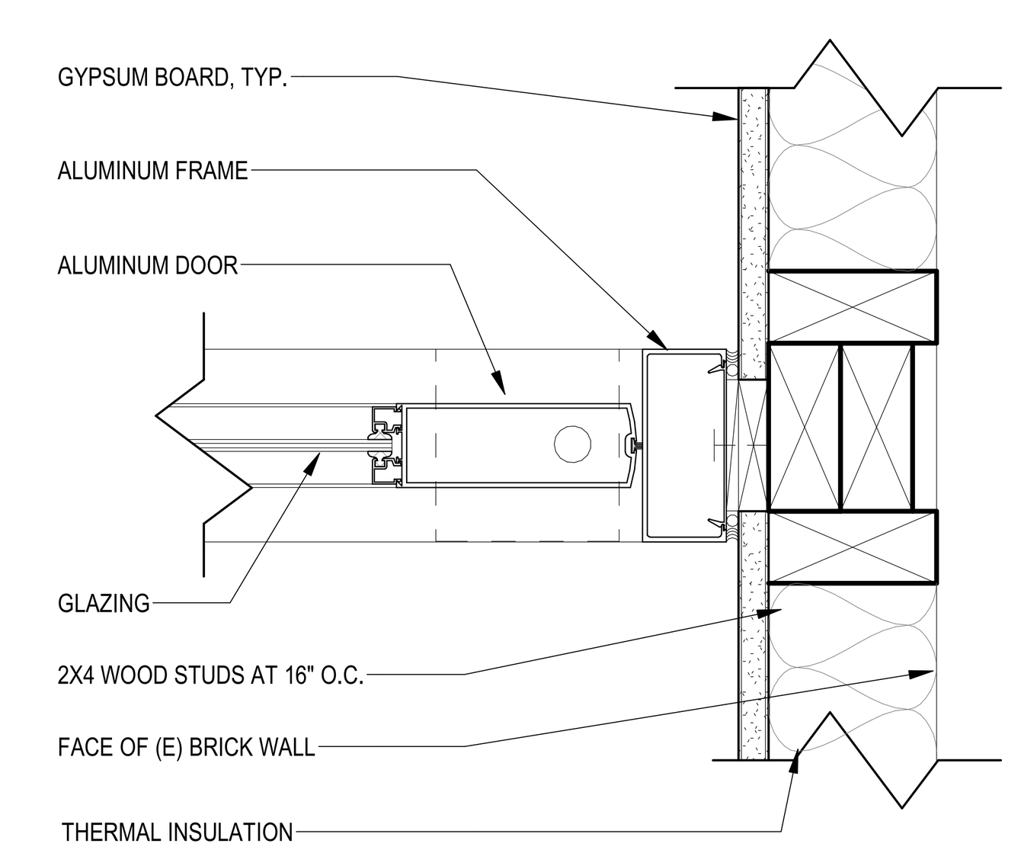
INTERIOR DOOR JAMB AT (E) BRICK WALL 12
SCALE: 3" = 1'-0"



INTERIOR DOOR TRANSOM 13
SCALE: 3" = 1'-0"



EXT. DOOR JAMB 14
SCALE: 3" = 1'-0"



INTERIOR DOOR 15
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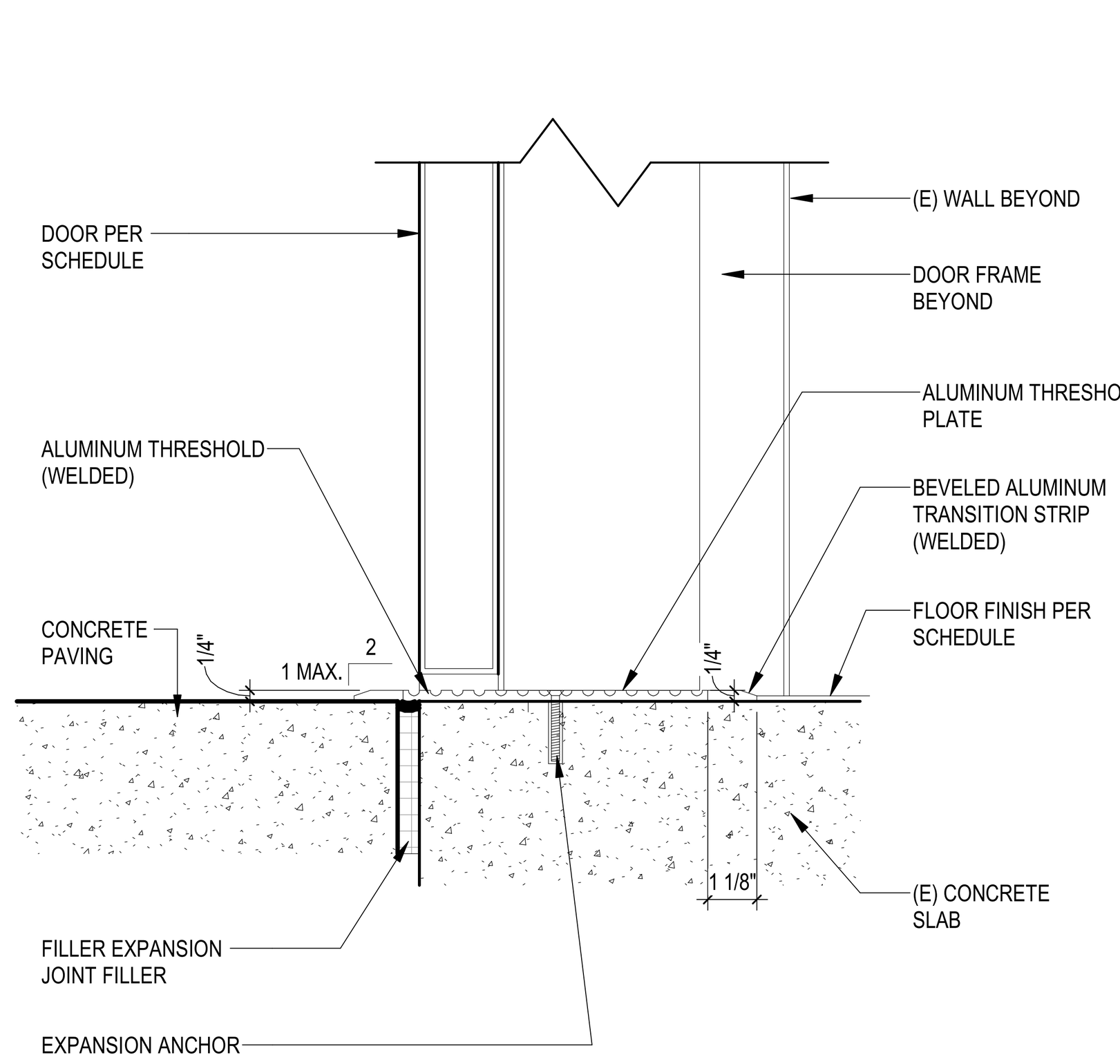

EXTERIOR THRESHOLD 16
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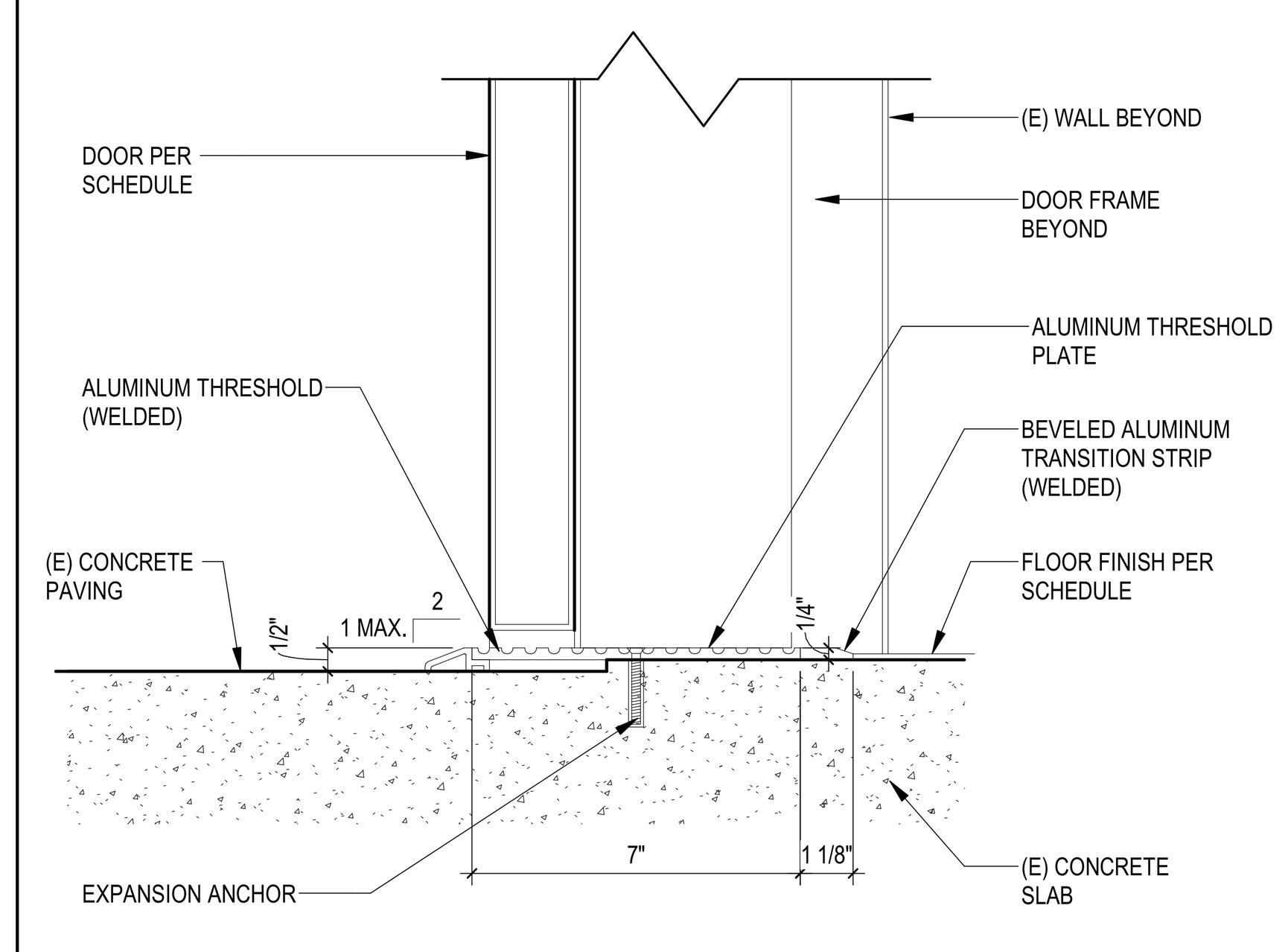
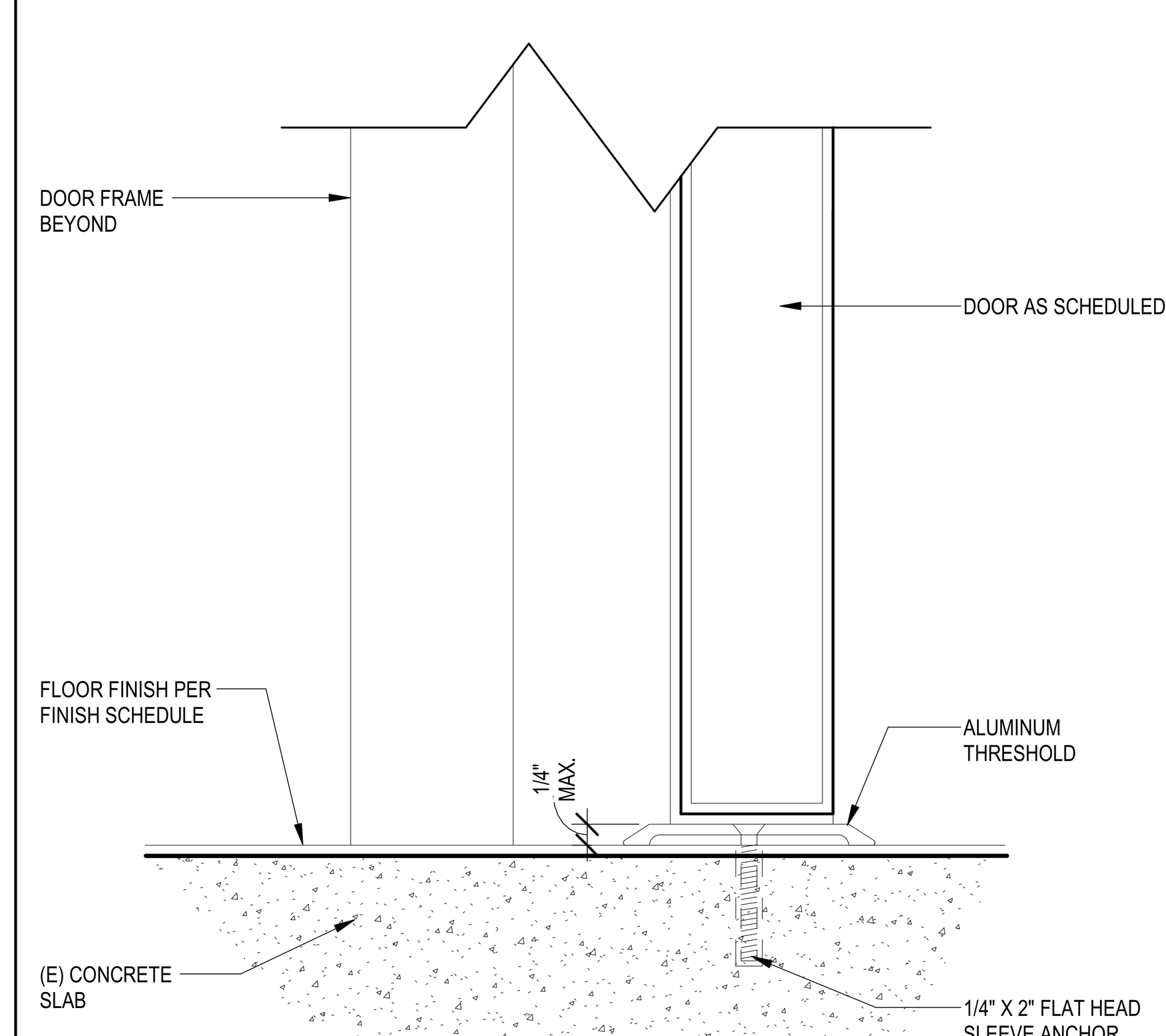
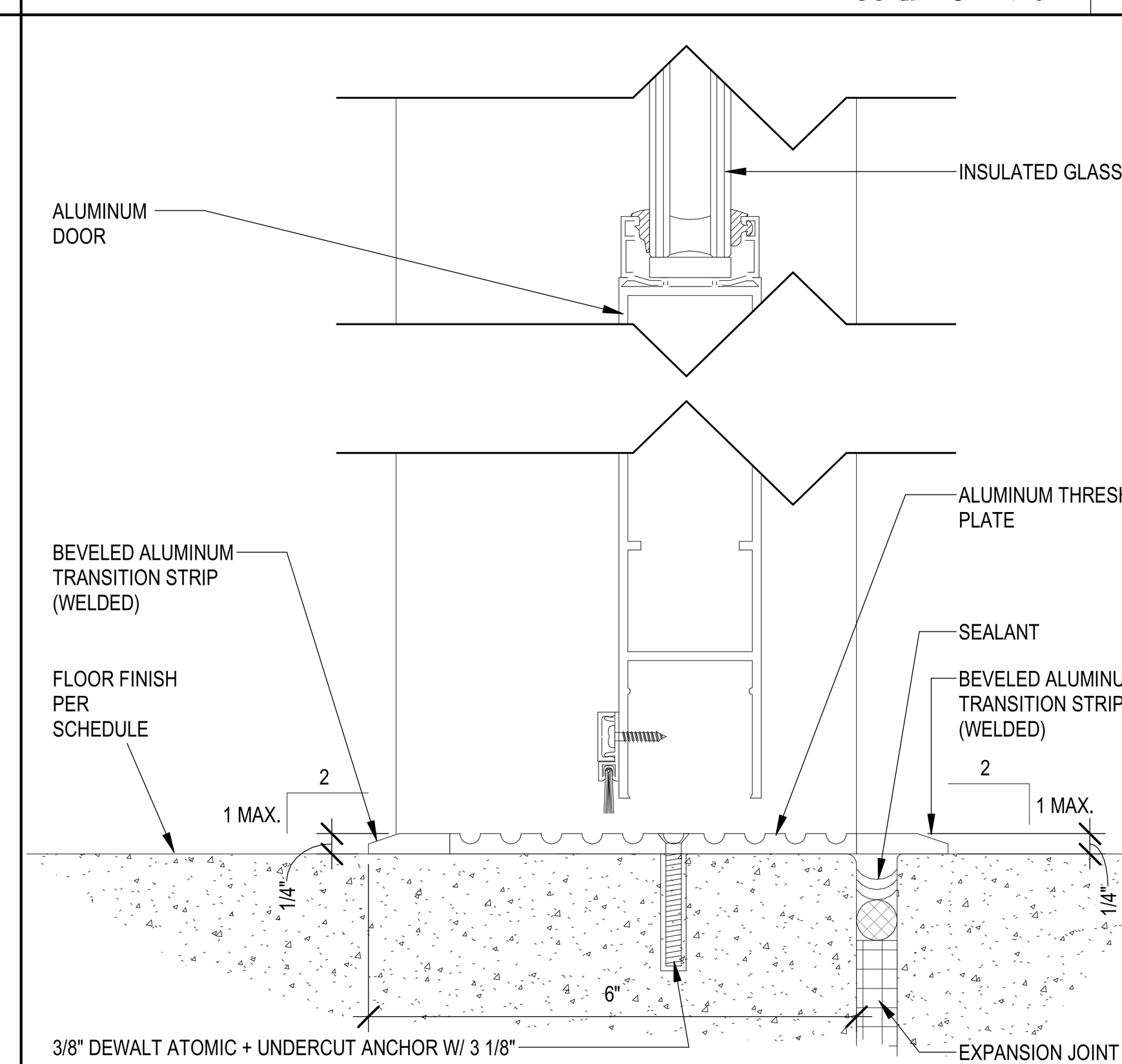


EXTERIOR THRESHOLD AT (E) PAVING 17
SCALE: 3" = 1'-0"



HOLLOW METAL DOOR - INT. THRESHOLD 18
SCALE: 6" = 1'-0"



EXT. DOOR THRESHOLD AT STOREFRONT 19
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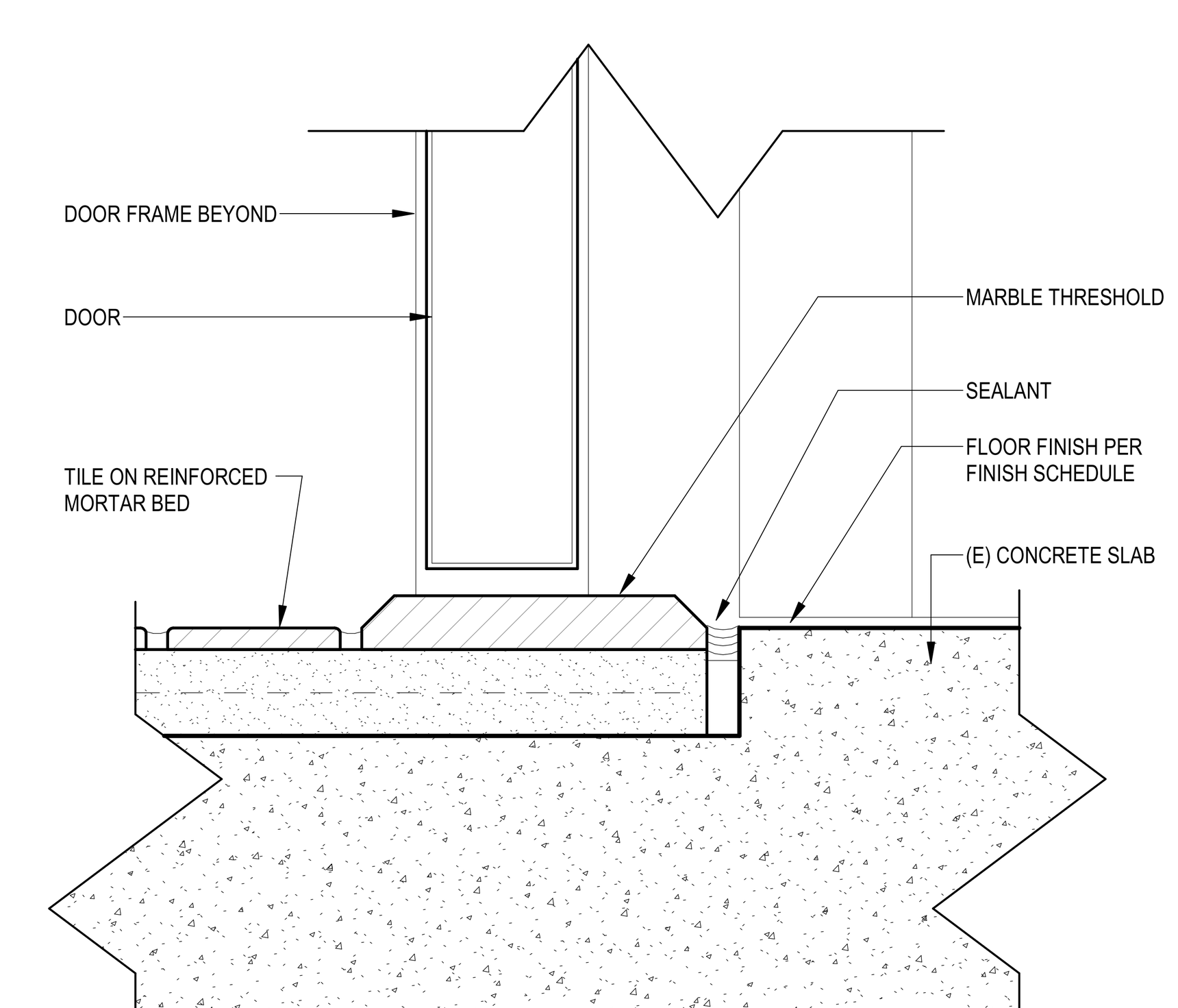

MARBLE THRESHOLD 20
SCALE: 6" = 1'-0"

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owner

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drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:20:45 AM

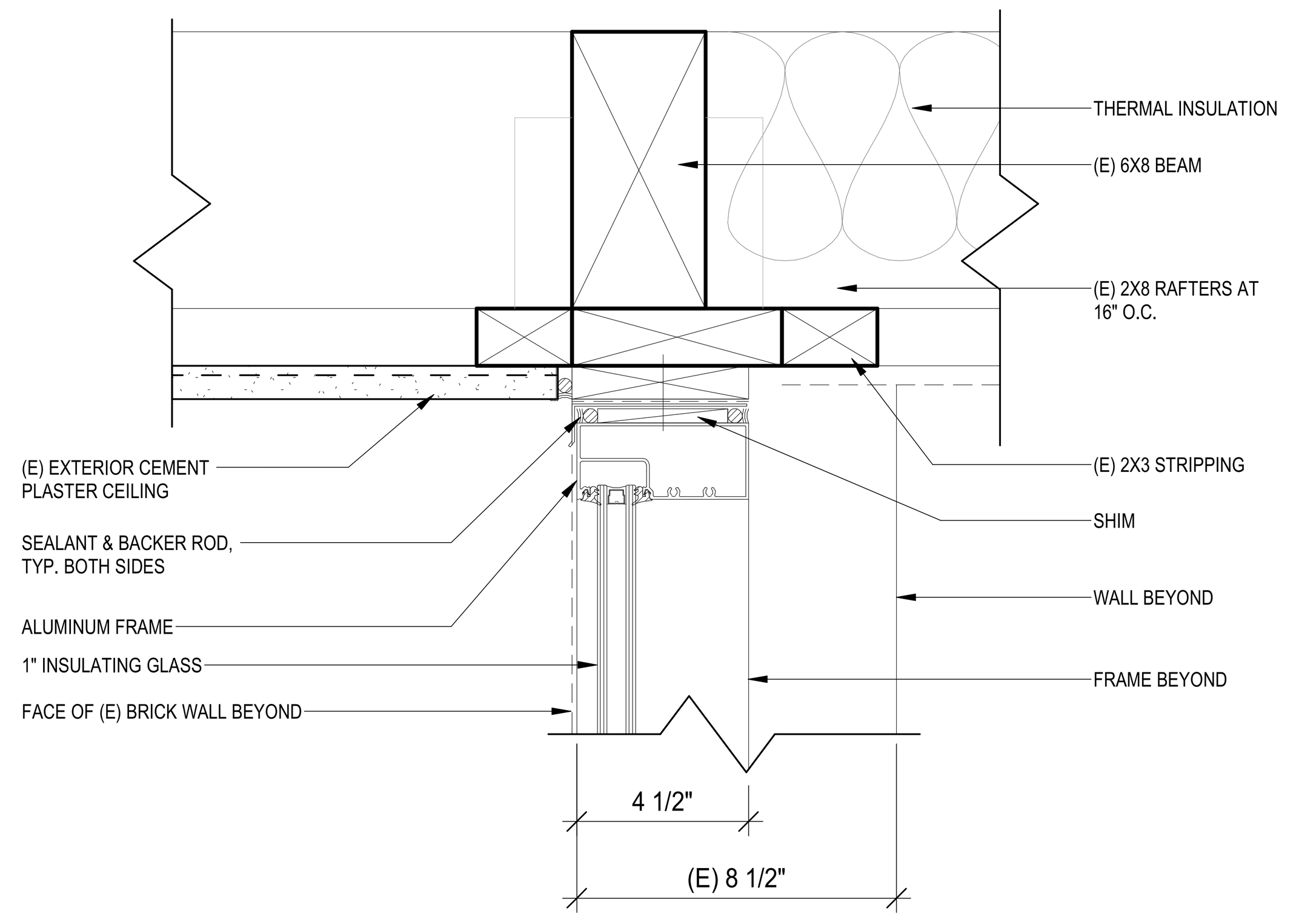
rev:	date:	description:

drawing title:

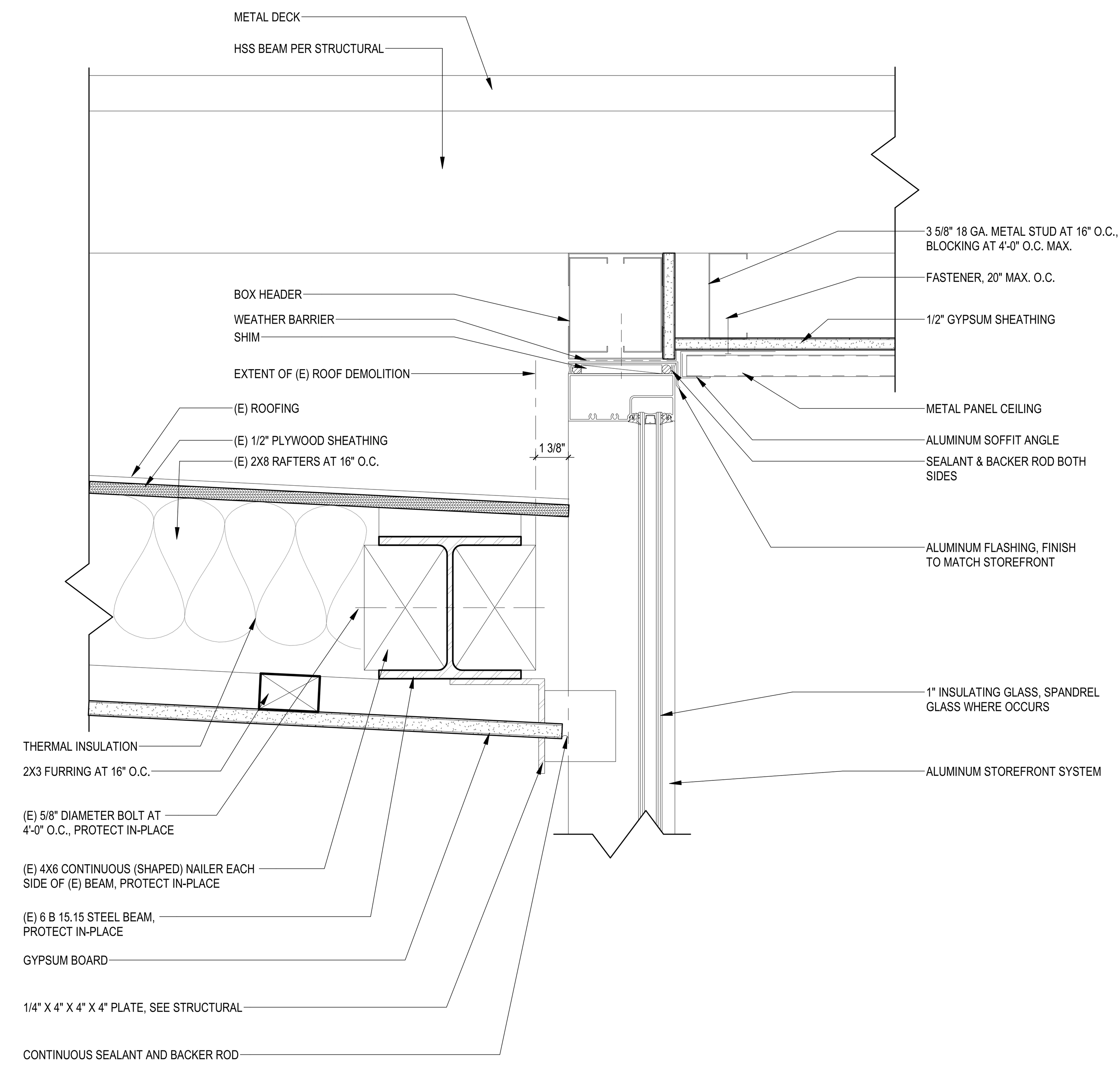
DOOR DETAILS

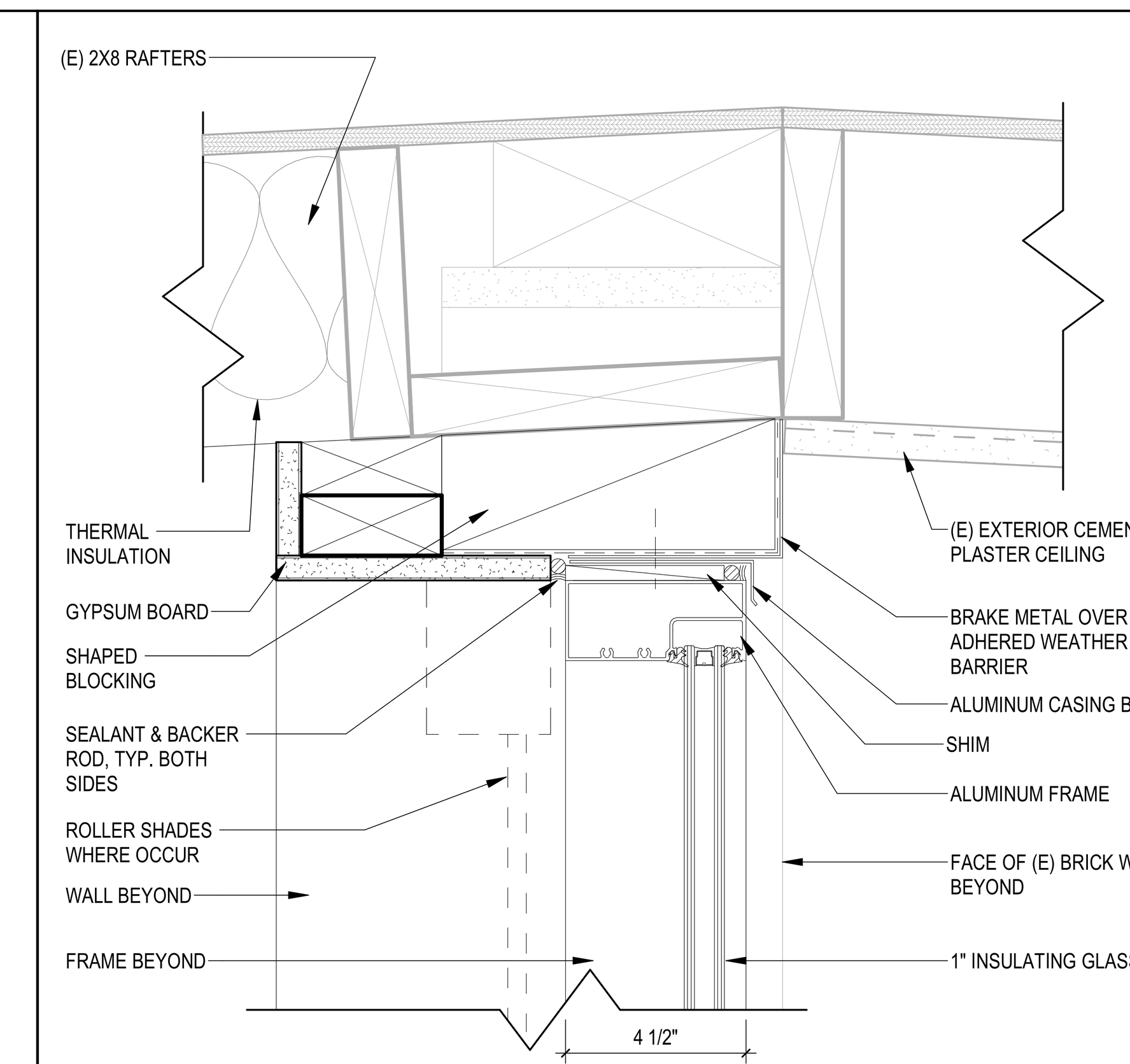
drawing no.:

8.10

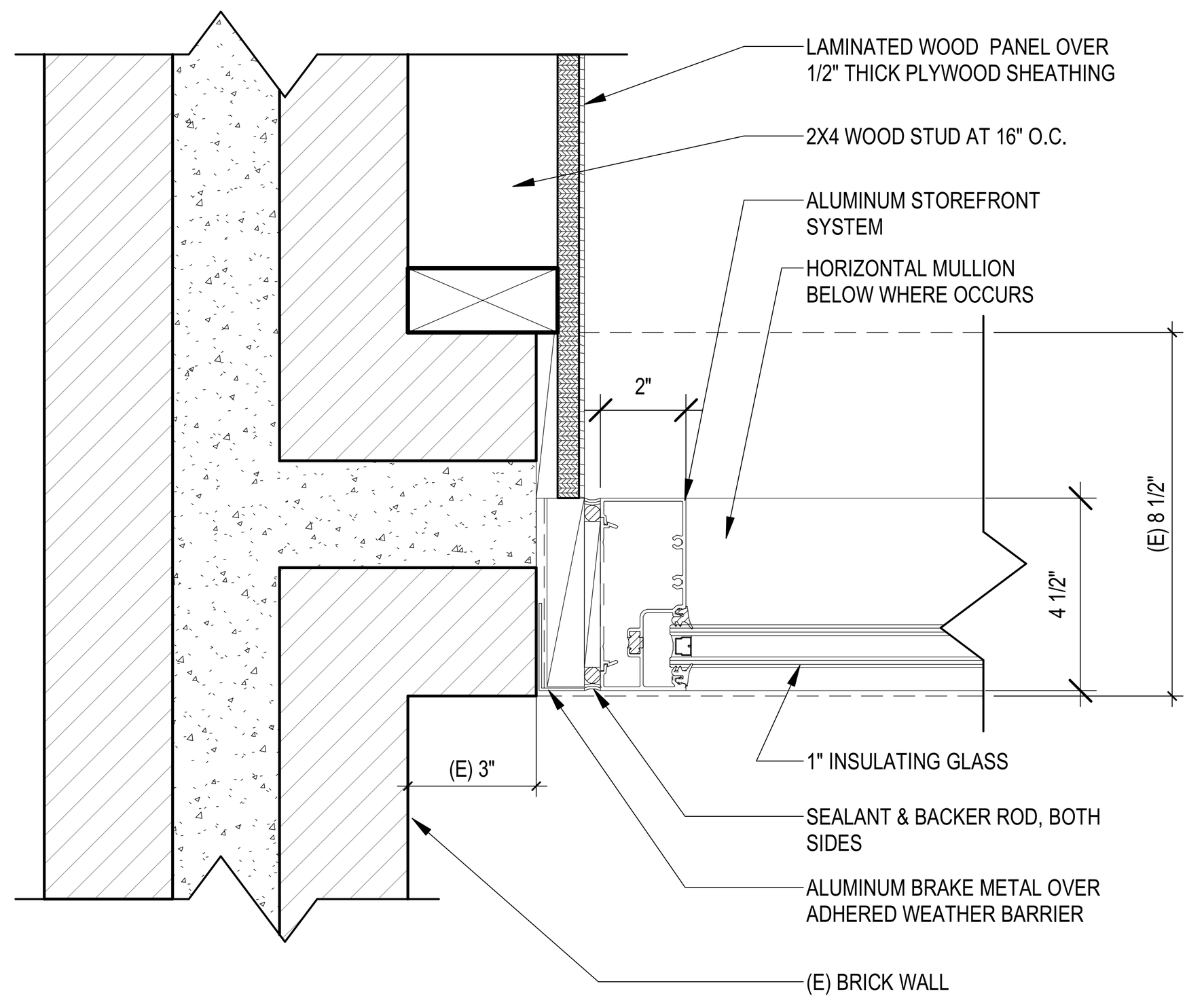


EXTERIOR HEAD AT TRANSOM 2
SCALE: 3" = 1'-0"

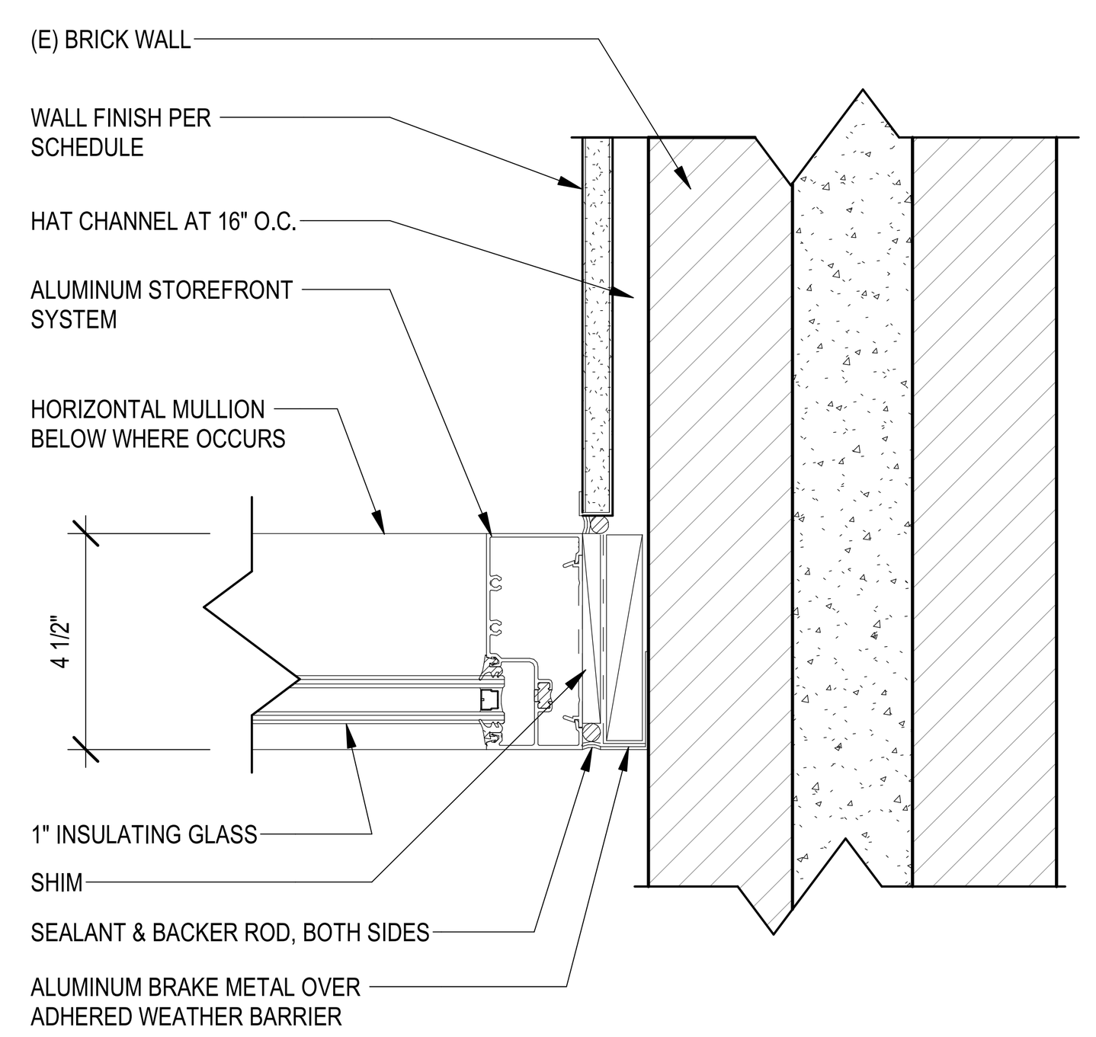




EXTERIOR HEAD 5
SCALE: 3" = 1'-0"

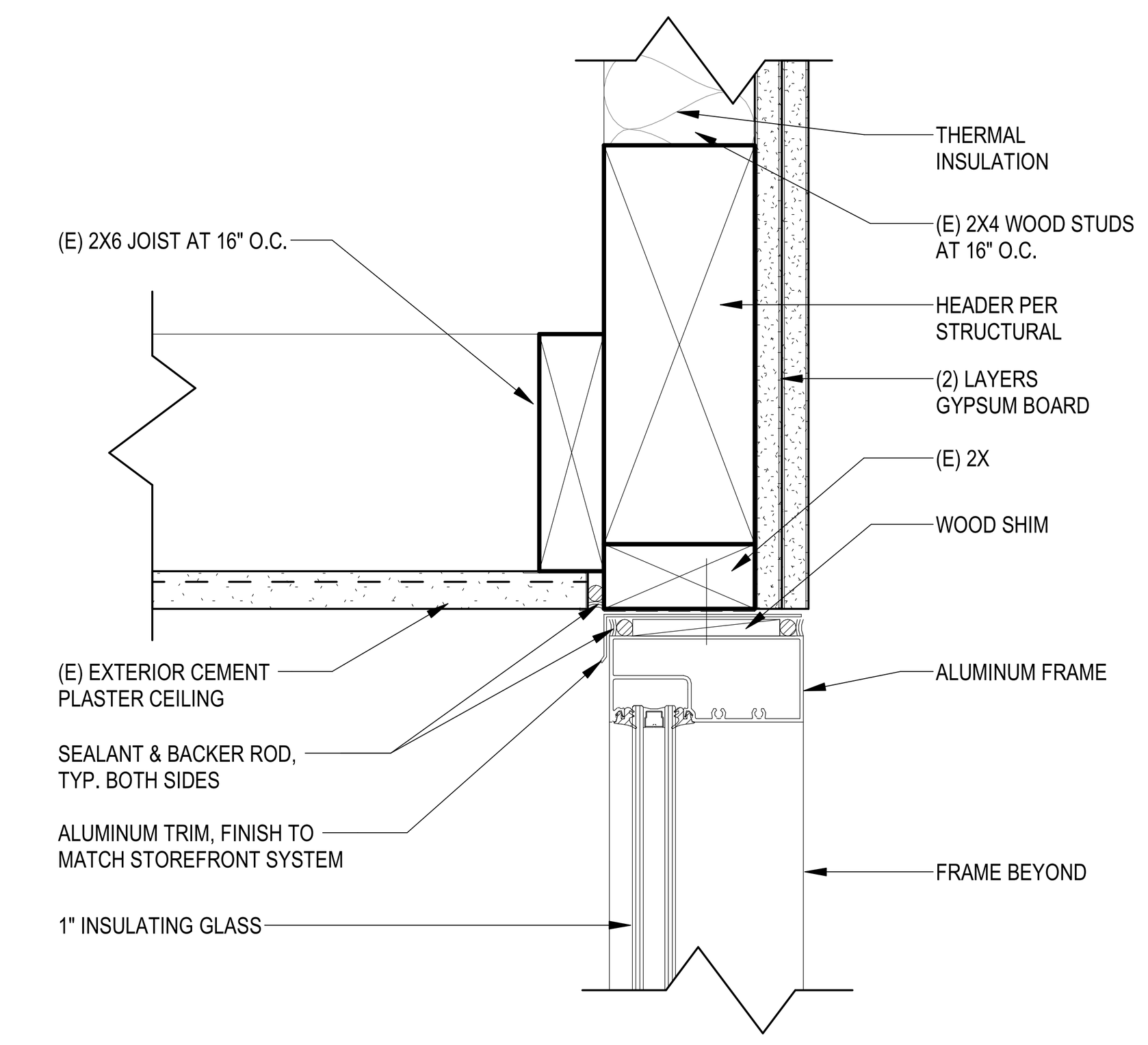


EXT. JAMB AT (E) BRICK WALL/FURRED WALL 6
SCALE: 3" = 1'-0"

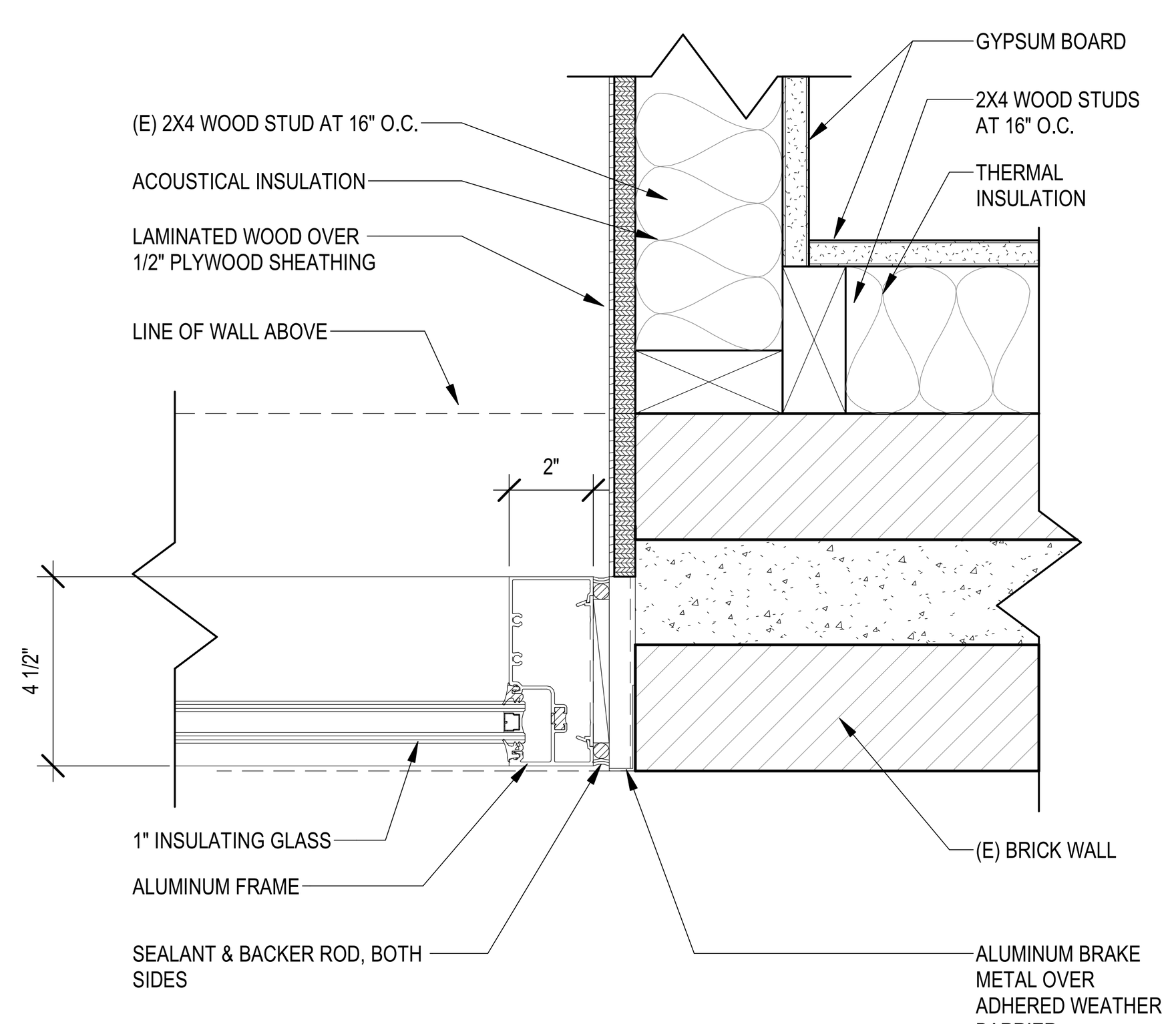


EXT. JAMB AT (E) BRICK WALL 7
SCALE: 3" = 1'-0"

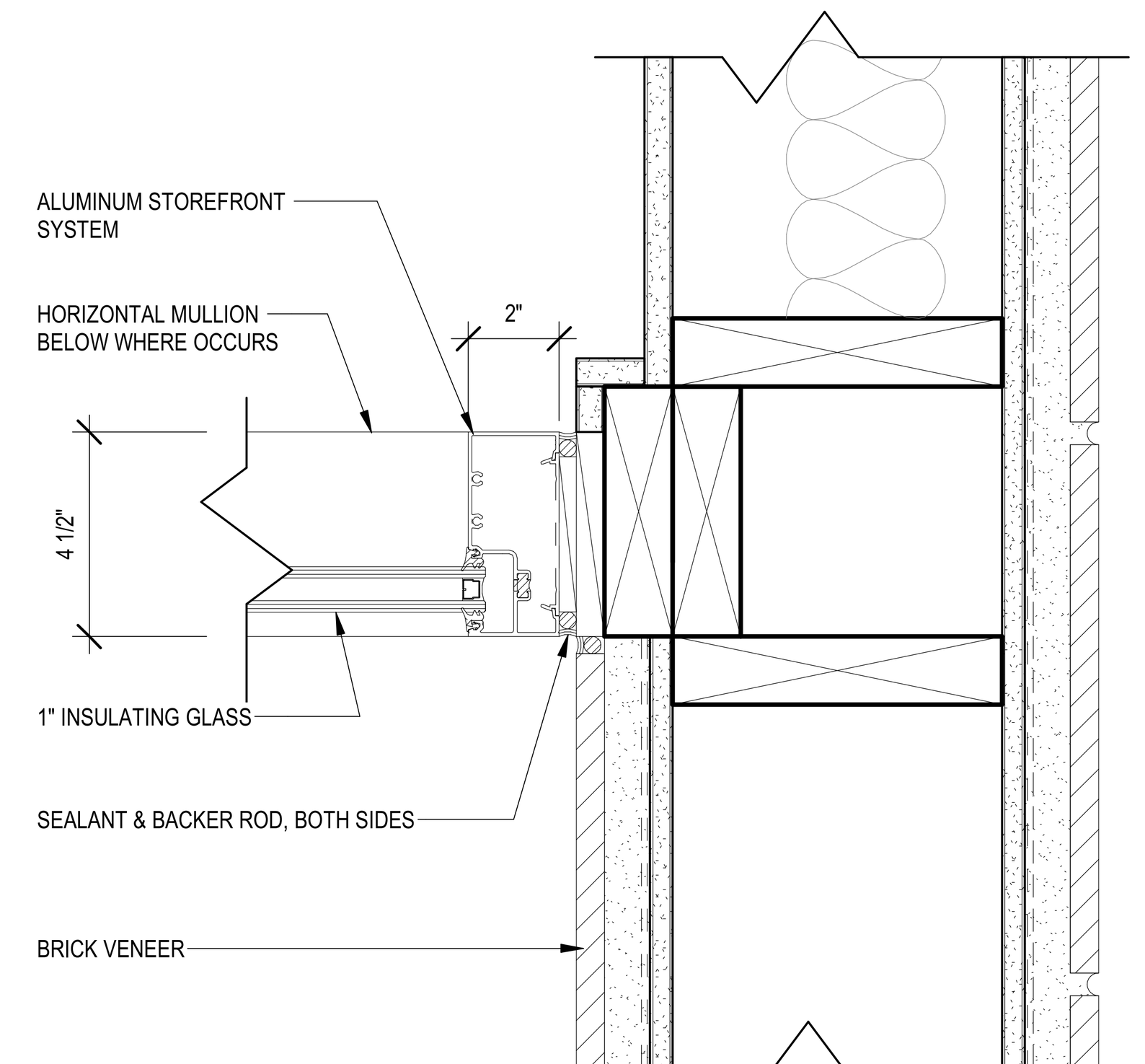
EXT. HEAD AT (E) STEEL BEAM 9
SCALE: 3" = 1'-0"



EXT. HEAD AT SOFFIT 10
SCALE: 3" = 1'-0"



EXTERIOR JAMB AT (E) BRICK WALL 11
SCALE: 3" = 1'-0"



EXT. JAMB AT BRICK VENEER 12
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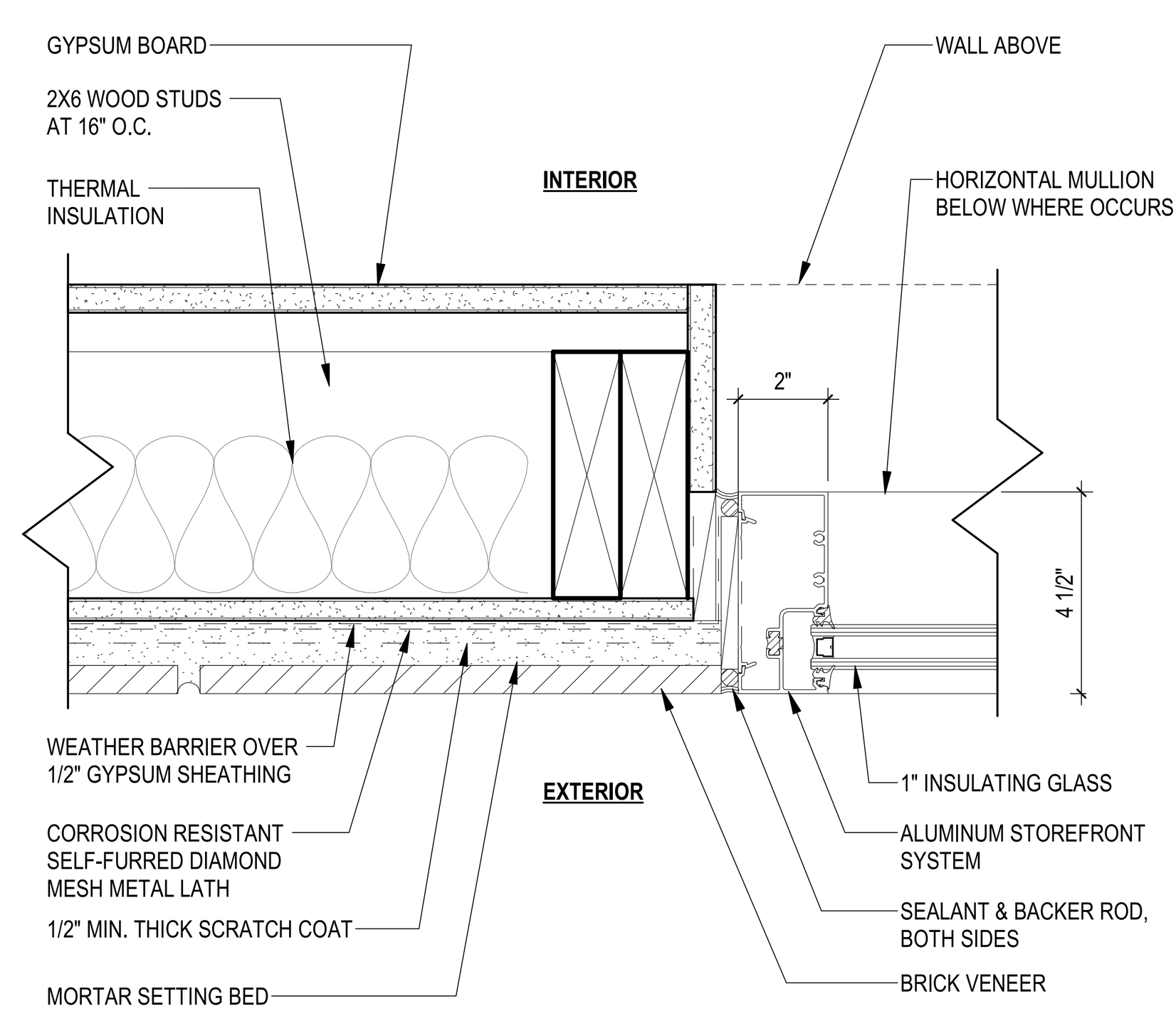
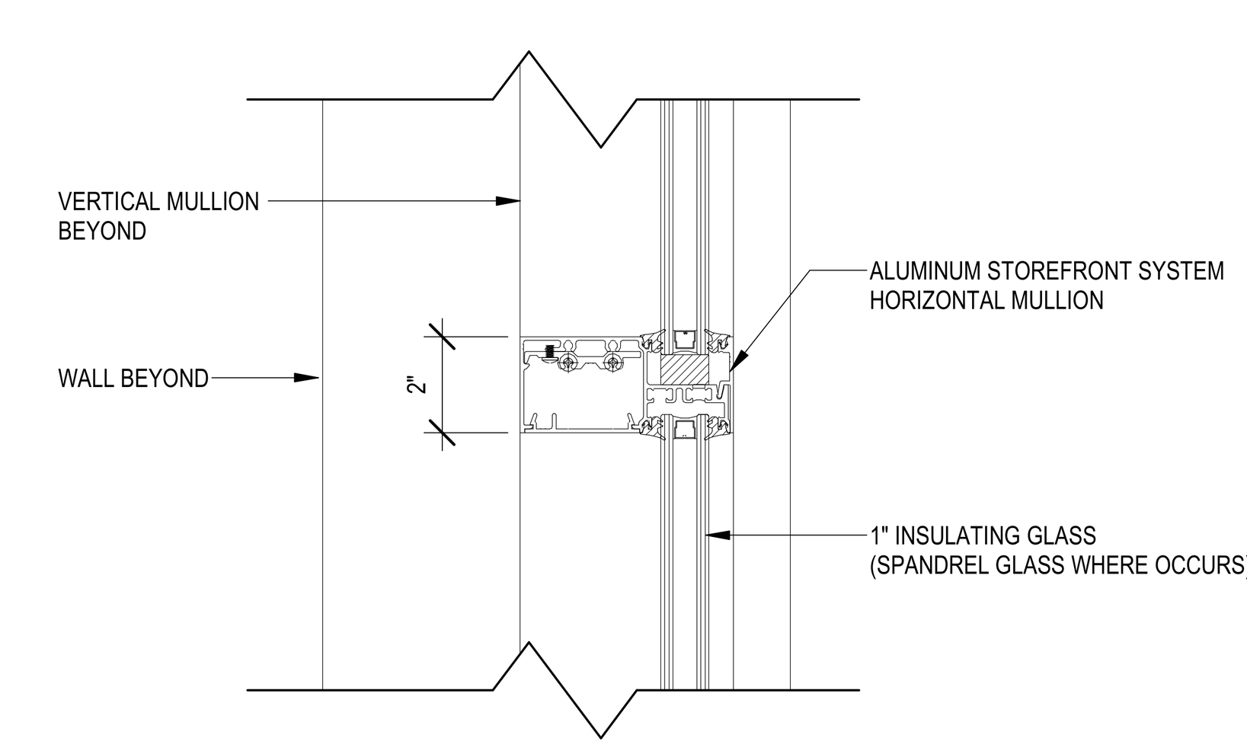


EXT. JAMB AT BRICK VENEER 13
SCALE: 3" = 1'-0"



TYP. HORIZONTAL MULLION 14
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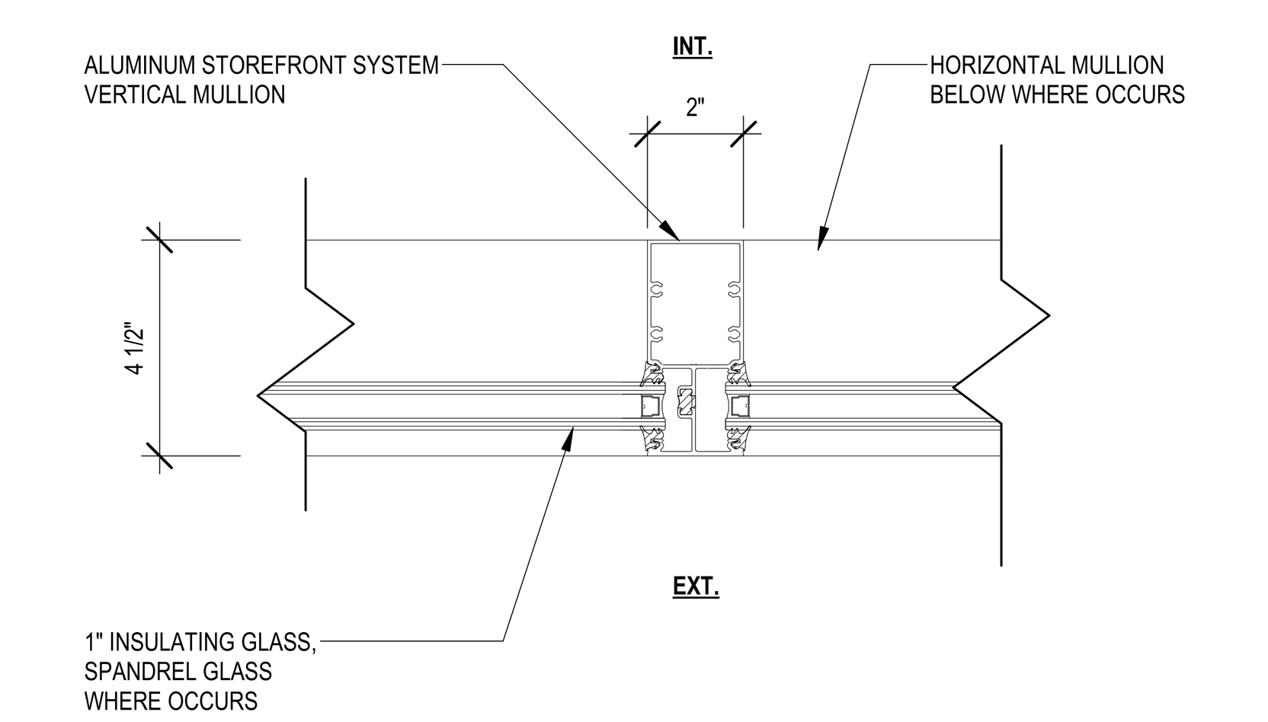
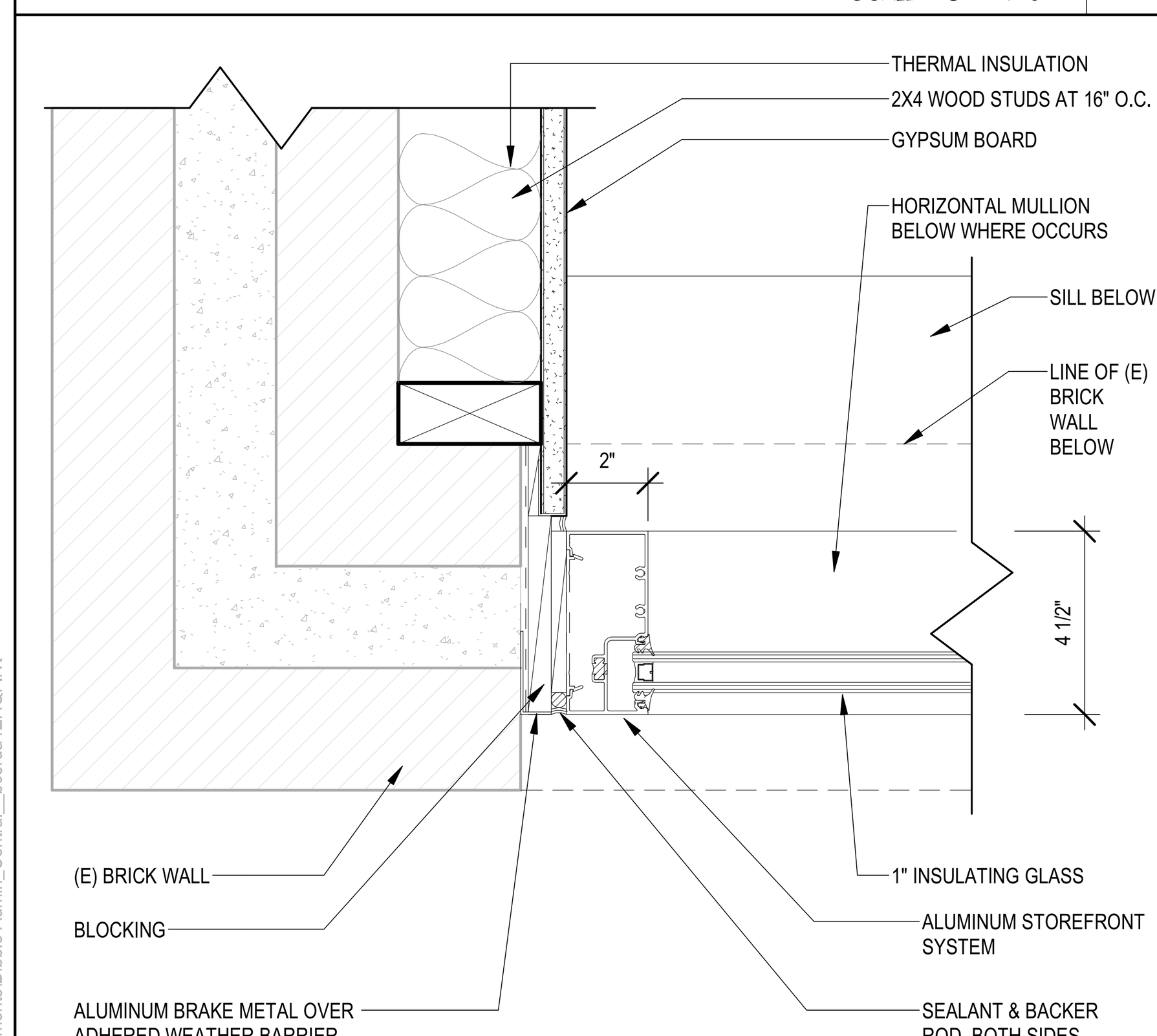
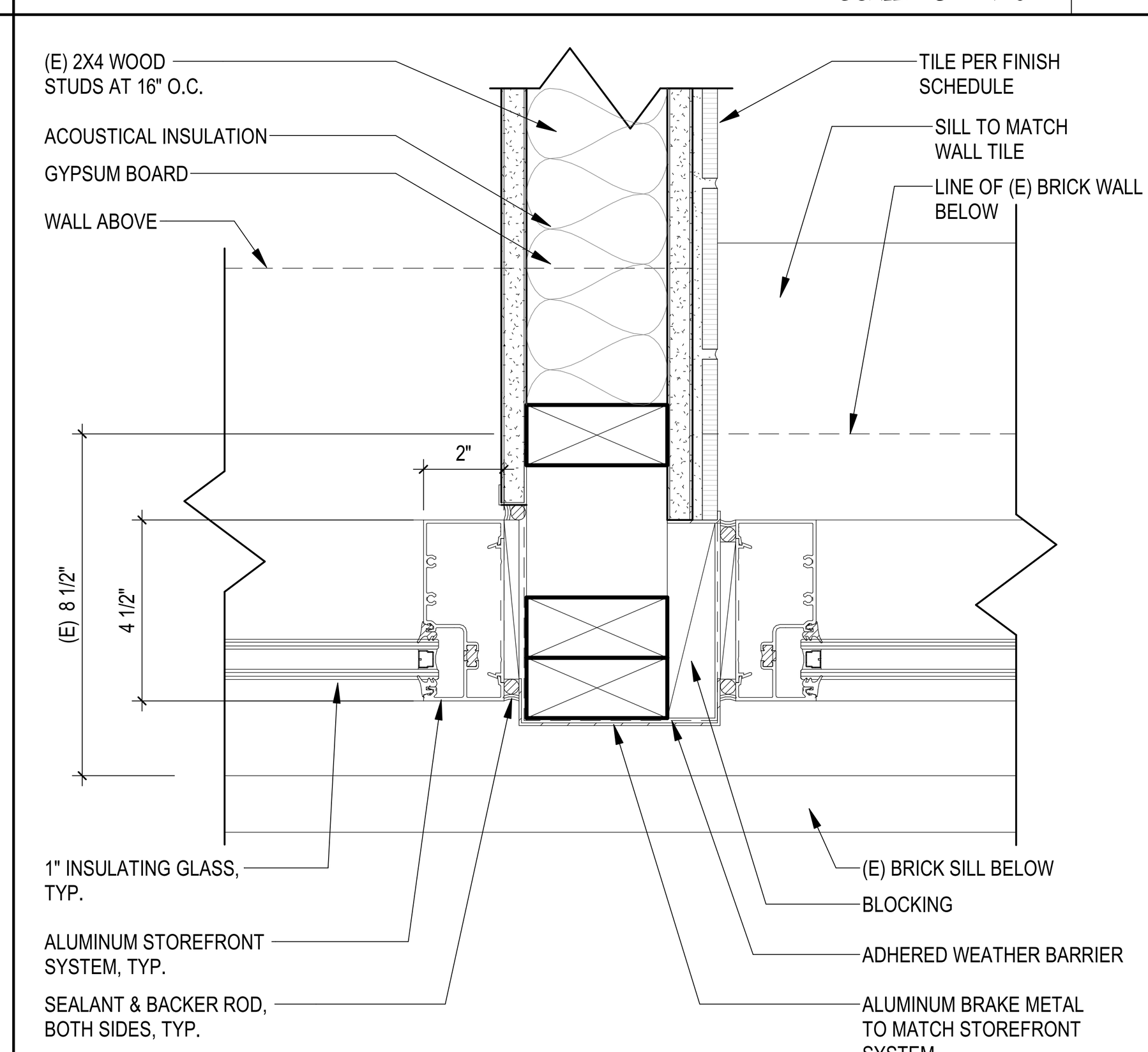


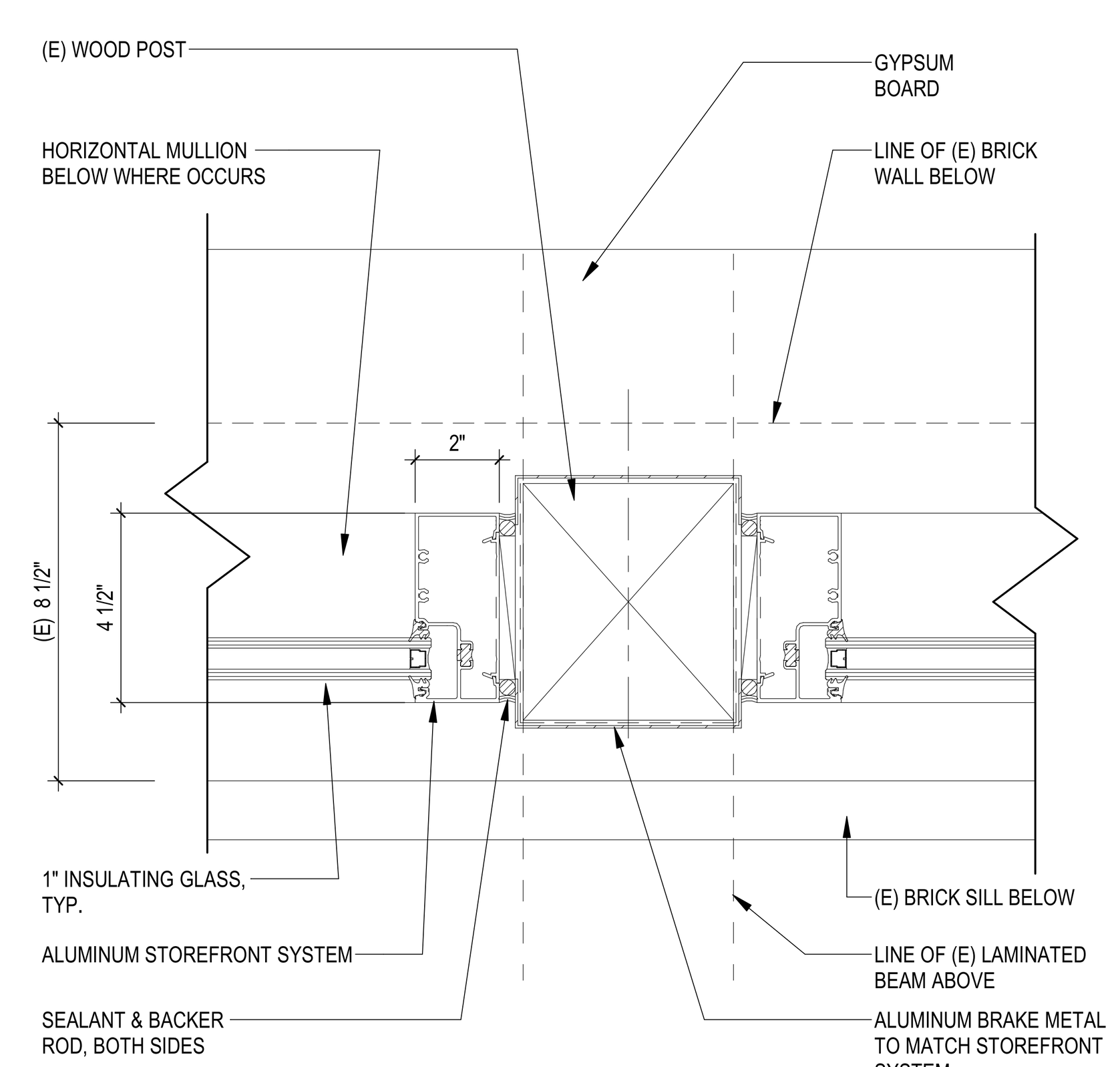
TYPICAL VERTICAL MULLION 15
SCALE: 3" = 1'-0"



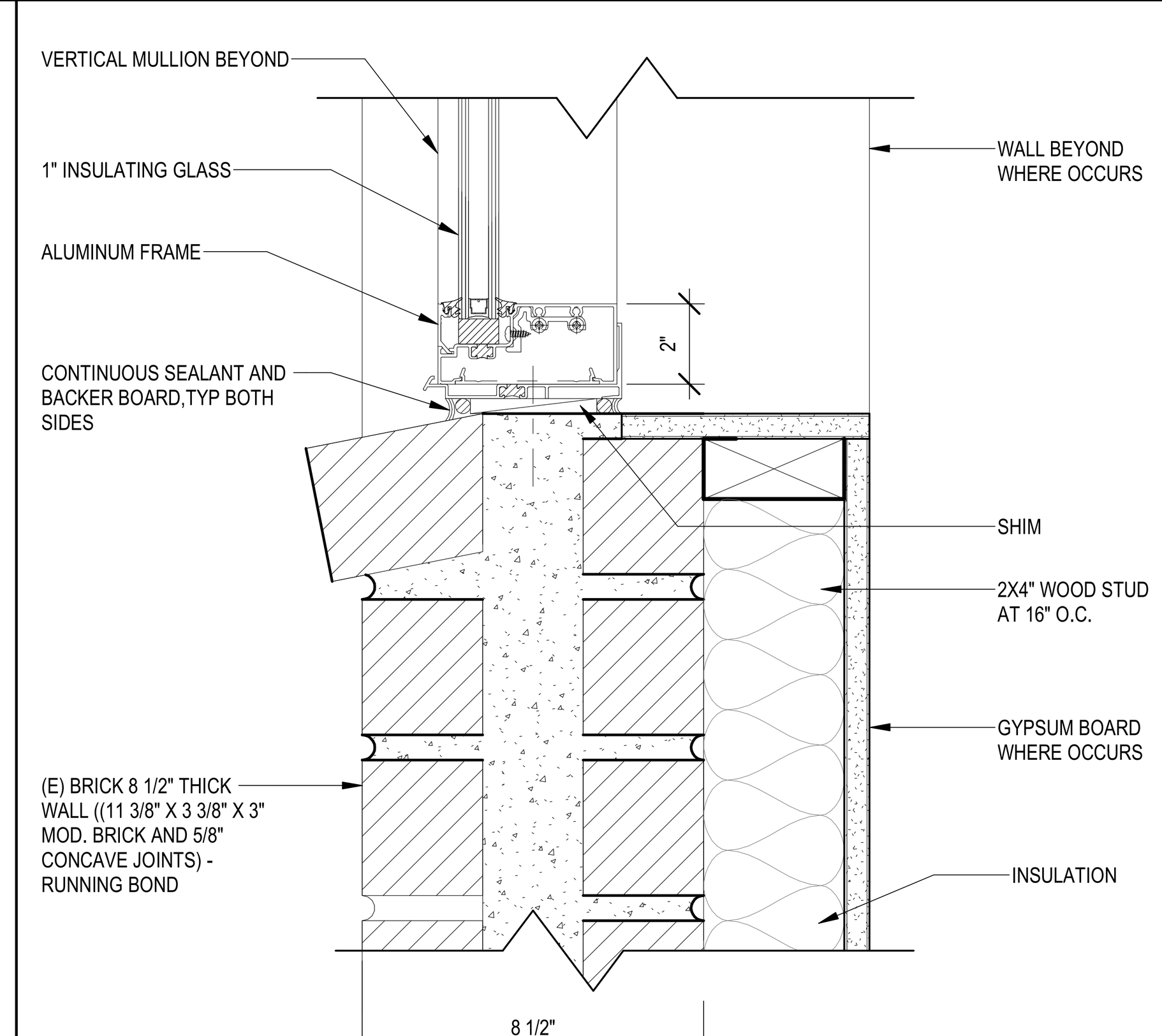
EXT. JAMB AT (E) BRICK WALL 16
SCALE: 3" = 1'-0"



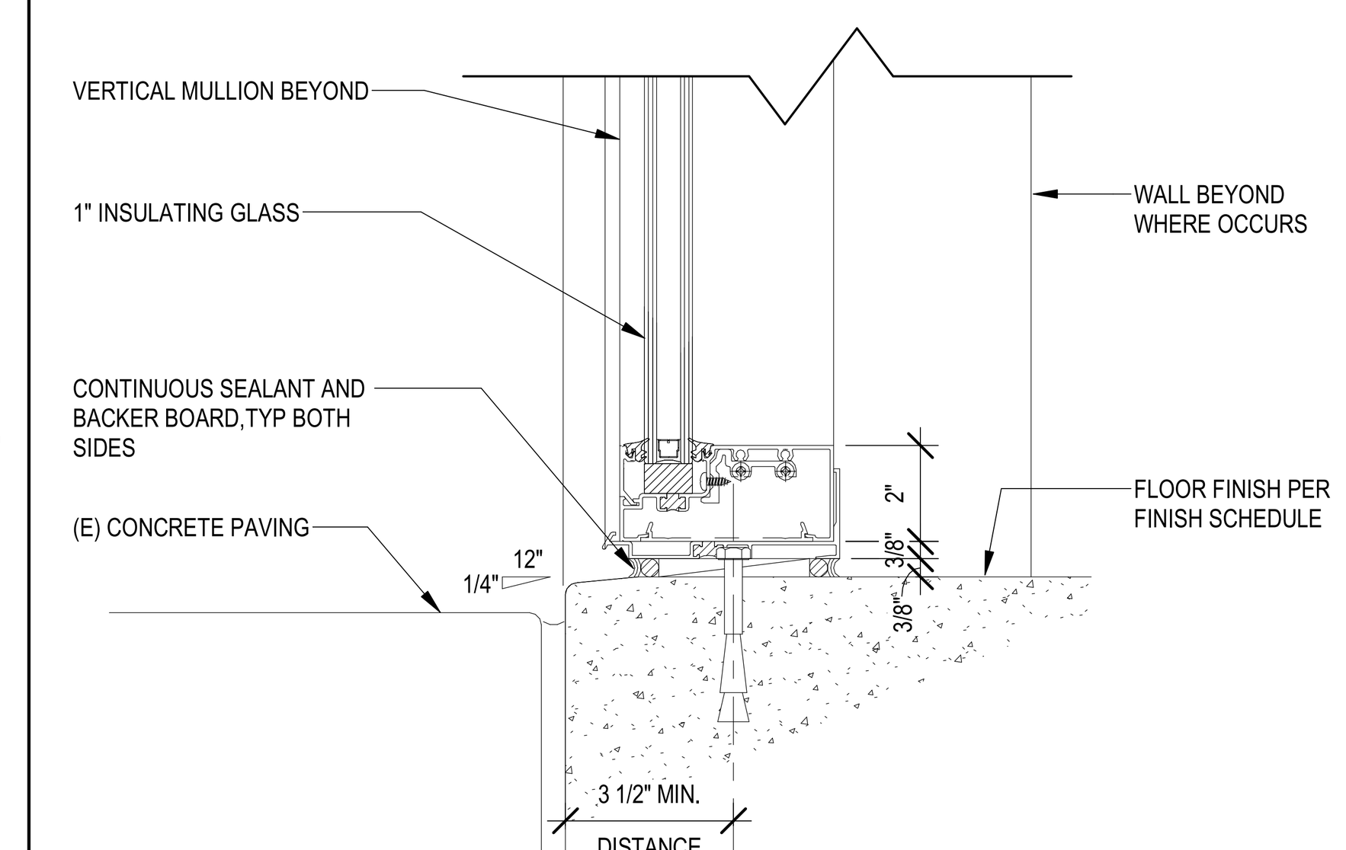
JAMB AT CLERESTORY 17
SCALE: 3" = 1'-0"



JAMB AT (E) WOOD POST 18
SCALE: 3" = 1'-0"



SILL AT (E) BRICK WALL 19
SCALE: 3" = 1'-0"



EXTERIOR SILL AT SLAB ON GRADE 20
SCALE: 3" = 1'-0"

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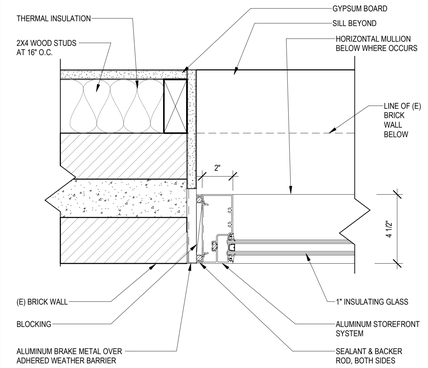
tBP project number: 21206.00
file name:
drawn by: Author checked by: Checker
date: 02.28.2025

rev:	date:	description:

drawing title:
STOREFRONT DETAILS

drawing no.:
8.20



EXT. JAMB AT (E) BRICK WALL 3
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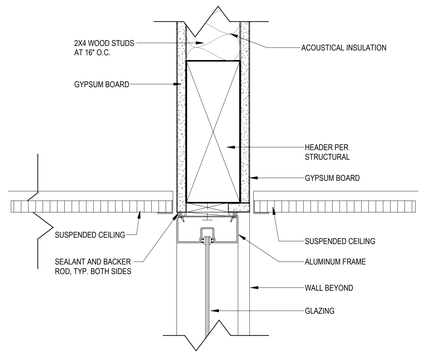

INTERIOR HEAD 4
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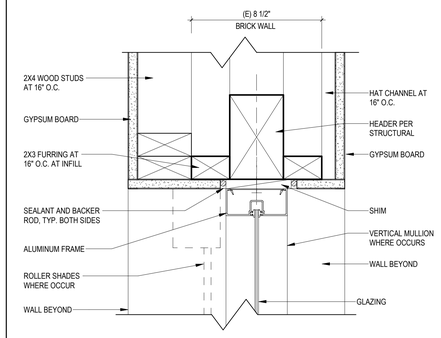

INTERIOR HEAD AT (E) BRICK WALL 5
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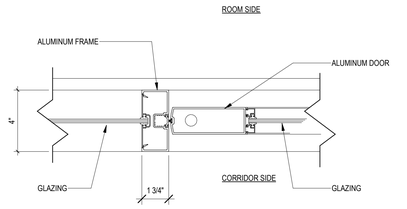

JAMB AT DOOR 8
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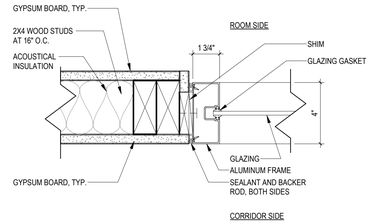
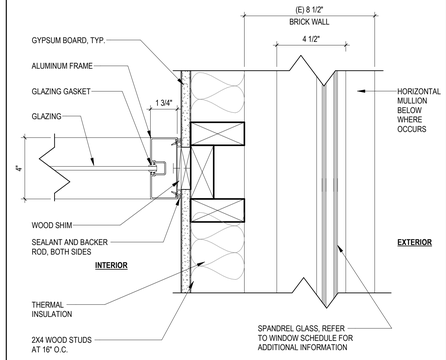


INTERIOR JAMB 9
SCALE: 3" = 1'-0"



INTERIOR JAMB AT EXT. STOREFRONT 10
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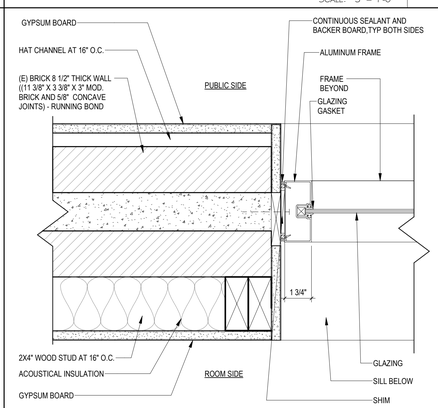

INTERIOR JAMB AT (E) BRICK WALL 13
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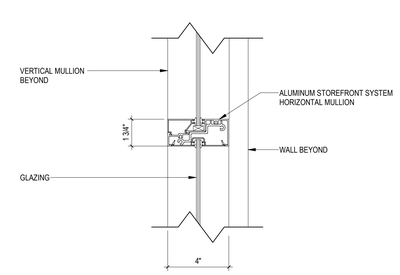

TYP. INTERIOR HORIZONTAL MULLION 14
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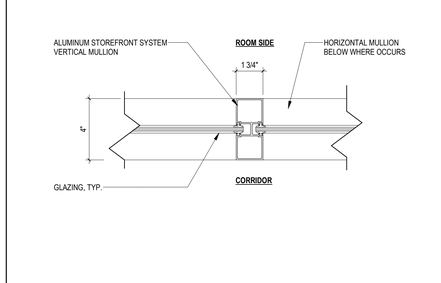

TYPICAL INTERIOR VERTICAL MULLION 15
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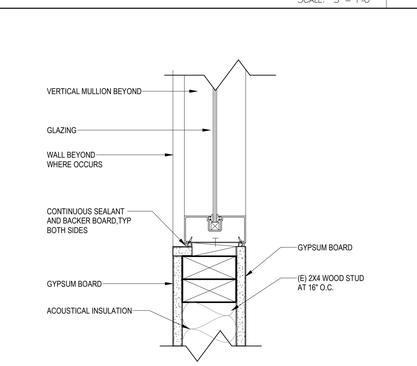

INTERIOR SILL AT (E) STUD WALL 18
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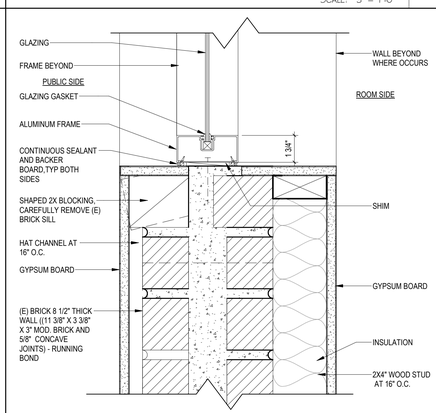

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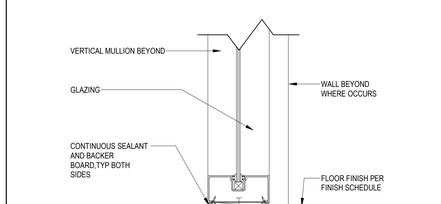

STOREFRONT INTERIOR SILL 20
SCALE: 3" = 1'-0"

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 3/3/2025 3:06:27 PM

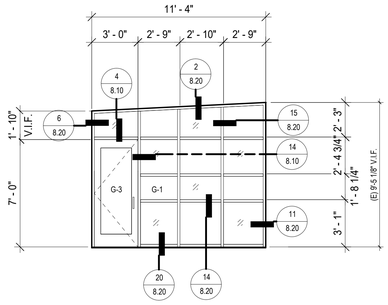
rev:	date:	description:

drawing title:

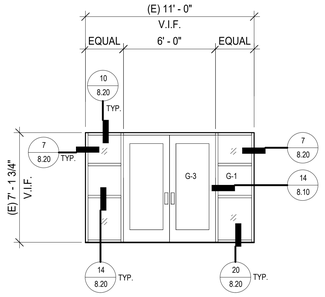
STOREFRONT DETAILS

drawing no.:

8.21



SS 01	GLAZING TYPE	G1, G3
	FRAME MATL.	ALUM.
	FRAME FIN.	F
	FRAME COLOR	ASF-1



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	FRAME FIN.	F
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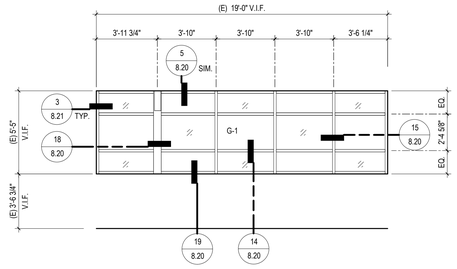

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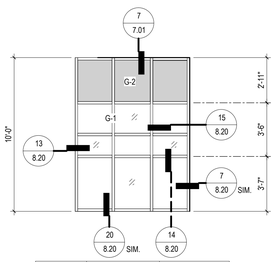

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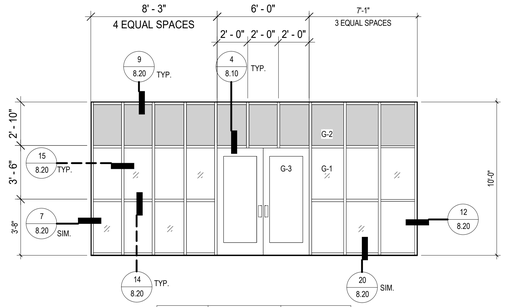
	FRAME COLOR	ASF-1



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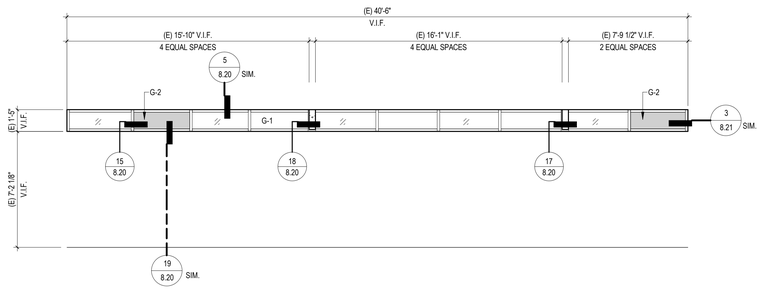


SS 06	GLAZING TYPE	G1
	FRAME MATL.	ALUM.
	FRAME FIN.	F
	FRAME COLOR	ASF-1

NOTES

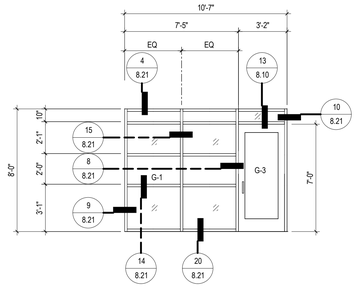
1. UNLESS OTHERWISE NOTED ON PLANS, PROVIDE 3% OPEN WINDOW SHADES MOUNTED AT INTERIOR OF ALL WINDOWS EXCEPT RESTROOMS.
2. FOR WINDOW DETAILS SEE SHEET 8.20.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING OPENINGS.

GLAZING TYPES

G1 CLEAR INSULATED GLASS
G2 TRANSLUCENT INSULATED GLASS
G3 CLEAR VISION PANELS (INSULATED GLASS AT EXTERIOR DOORS)

NOTE:
1. PROVIDE TEMPERED SAFETY GLASS AS NOTED ON WINDOW TYPES.
2. FOR ADDITIONAL INFORMATION REFER TO SPECIFICATIONS.

EXTERIOR STOREFRONTS



AL 01	GLAZING TYPE	
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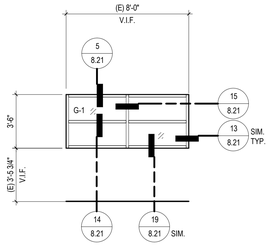
	FRAME COLOR	ASF-1



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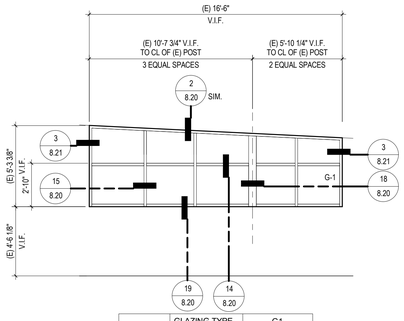

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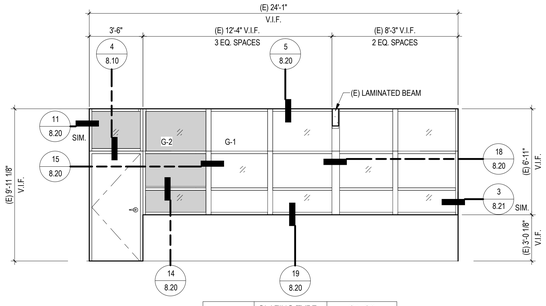

SS 08	GLAZING TYPE	G1, G2
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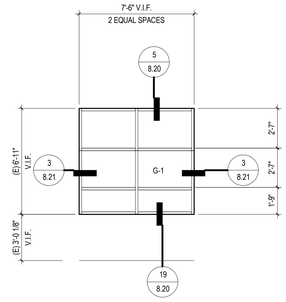

SS 09	GLAZING TYPE	G1
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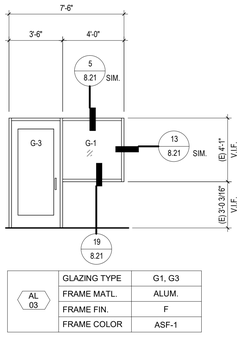
INTERIOR STOREFRONTS



AL 03	GLAZING TYPE	G1, G3
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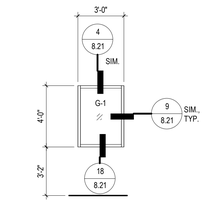

AL 04	GLAZING TYPE	G1
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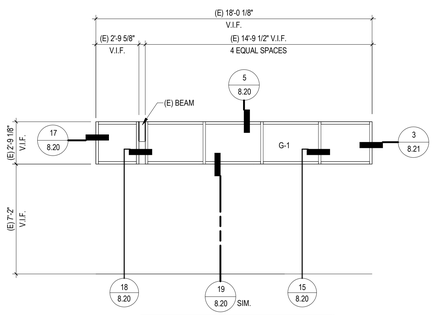
EXTERIOR STOREFRONTS



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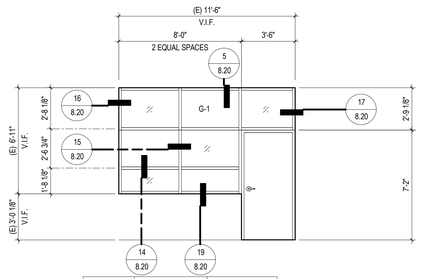

SS 12	GLAZING TYPE	G1
	FRAME MATL.	ALUM.
	FRAME FIN.	F
	FRAME COLOR	ASF-1

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 3:08:04 PM

rev:	date:	description:

drawing title:

WINDOW SCHEDULE

drawing no.:

8.50

ROOM FINISH SCHEDULE

		FLOOR				BASE				WALL				CEILING				
NUMBER	NAME	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	HEIGHT	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEIGHT	REMARKS
A-1	CONFERENCE HALL	LVT	6X48"	F	LVT-1	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	GYP. BD.	PSG	P-1	11'-0"	A9.1
A-1.1	STAGE	LVT	-	SLR	LVT-4	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	GYP. BD.	PSG	P-1	11'-0"	A9.1
A-2	(E) STORAGE & JANITOR	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.1
A-3	(E) MECHANICAL	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	-	-	(E) PLASTER	-	-	9'-4"	-
A-4	(E) OFFICE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.1
A-5	VESTIBULE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	BRICK	-	-	-	GYP. BD.	PSG	P-1	8'-0"	A9.2
A-6	(E) UTIL.	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	PSG	P-1	(E) PLASTER	PSG	P-1	8'-0"	-
A-7	(E) W. HEATER RM.	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	PSG	P-1	(E) PLASTER	PSG	P-1	8'-0"	-
A-8	(E) STORAGE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	PSG	P-1	(E) PLASTER	PSG	P-1	8'-0"	A9.2
A-9	(E) KITCHENETTE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.2
A-10	(E) STAFF LOUNGE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.2
A-11	WORKSTATIONS	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.3
A-12	ENTRY	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	WOOD LAMINATE	-	F	LM-1	WOOD LAMINATE	SLR	LM-1	8'-0"	A9.3
A-14	UNISEX RESTROOM	PORCELAIN TILE	12X24"	UP	CT-1	SST	-	F	-	PORCELAIN TILE	12X24"	PO	CT-2	GYP. BD.	PSG	P-1	8'-0"	A7.1
A-16	HALLWAY	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.3
A-17	ELECT	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	GYP. BD.	PSG	P-1	8'-0"	-
A-18	UTILITY ROOM	(E) CONCRETE	-	SLR	CF-1	RUBBER BASE	4"	F	RB-1	(E) PLASTER	-	PSG	P-1	(E) PLASTER	PSG	P-1	8'-0"	-
A-19	OFFICE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.3
A-23	ALL GENDER RESTROOM	PORCELAIN TILE	12X24"	UP	CT-1	SST	-	F	-	PORCELAIN TILE	12X24"	PO	CT-2	GYP. BD.	PSG	P-1	8'-0"	A7.1
A-24	ALL-GENDER RESTROOM	PORCELAIN TILE	12X24"	UP	CT-1	SST	-	F	-	PORCELAIN TILE	12X24"	PO	CT-2	GYP. BD.	PSG	P-1	8'-0"	A7.1
A-25	PRINCIPAL	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	AT	F	AT-1	8'-0"	A9.4
A-26	ADMIN	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	LINEAR BAFFLE ASSEMBLY	F	LBA-1	7'-10"	A9.4
A-26-2	ADMIN	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	LINEAR BAFFLE ASSEMBLY	F	LBA-1	7'-10"	A9.4
A-27	OFFICE	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	WOOD LAMINATE	-	F	LM-1	LINEAR BAFFLE ASSEMBLY	F	LBA-2	8'-6"	A9.4
A-29	RECEPTION	LVT	12X24"	F	LVT-3	RUBBER BASE	4"	F	RB-1	GYP. BD	-	PSG	P-1	GYP. BD.	PSG	P-1	8'-6"	A9.2

NOTES

1. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME AND SMOKE-DEVELOPED INDEXES, REFER TO 803.1.1 (SEE EXCEPTION 803.1.2 AND CFC 803.1.
2. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED FOR FIRE PERFORMANCE AND SMOKE DEVELOPMENT PER SECTION 803.
3. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY PER TABLE 803.11 OR BE TESTED PER SECTION 803.12 (NFPA 286 CRITERIA).
4. TEXTILE AND VINYL WALL COVERING SHALL BE TESTED PER 803.13 ACCEPTANCE CRITERIA OF NFPA 265, OR PER 803.14 ACCEPTANCE CRITERIA TESTED TO ASTM E84 OR UL 723 CLASS FLAME SPREAD INDEX AND PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER 903.1.1 OR 903.1.1.2.
   - A. EXCEPTION: 803.2 MATERIAL LESS THAN 0.036" THICK APPLIED DIRECTLY NEED NOT BE TESTED.
5. INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804.
6. DECORATIVE TRIM & MATERIALS SHALL COMPLY WITH SECTION 806.
7. THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH SECTION 719. CALIFORNIA REQUIRES ALL FABRIC USED IN PUBLIC PLACES TO BE REGISTERED WITH THE STATE FIRE MARSHAL AND COMPLY WITH TITLE 19 REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS.

ABBREVIATIONS

AL	ALUMINUM
ACP	ACOUSTICAL COMPOSITE PANEL
AT	ACOUSTICAL TILE
BR	BRICK VENEER
CL	CHAIN LINK FENCE
CF	CONCRETE FLOORS
CV	COVE-SHAPED PROFILES
(E)	EXISTING
EXPSD	EXPOSED
F	FACTORY FINISH
GYP. BD.	GYPSUM BOARD
GT	TILE GROUT
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HP	HIGH PERFORMANCE COATINGS
JS	JOINT SEALANT
LBA	LINEAR BAFFLE ASSEMBLY
LM	LAMINATE
LMC	LINEAR METAL CEILING
LVT	LUXURY VINYL TILE
MB	MARKER BOARD
MTL	METAL
P	PAINT
PSG	PAINT SEMI-GLOSS
PO	POLISHED
QC	QUARTZ COUNTERTOP
RB	RUBBER BASE
SM	SHEET METAL
SG	SIGNAGE
SLR	SEALER
SST	STAINLESS STEEL
UP	UNPOLISHED
WS	WINDOW SHADES

COLOR SCHEDULE

SPEC SECTION	MATERIAL	DESIGNATION	MANUF. / CATEGORY	COLOR NO.	COLOR NAME	REMARKS
03 30 00 CAST-IN-PLACE CONCRETE	CONCRETE FLOORS	CF-1	EXISTING	EXISTING	EXISTING	-
04 20 00 UNIT MASONRY	BRICK VENEER	BR-1	INTERSTATE BRICK	-	MATCH EXISTING	-
06 40 00 ARCHITECTURAL WOODWORK	LAMINATE	LM-1	WILSONART FINEGRAIN FINISH	7909	FUSION MAPLE	-
07 42 43 COMPOSITE METAL PANEL	ALUMINUM COMPOSITE PANEL	ACP-1	ALUCOBOND	-	SILVER METALLIC	CANOPY FASCIA
07 62 00 SHEET METAL FLASHING AND TRIM	FLASHING SEE SPECIFICATIONS	SM-1	KYNAR 500 FINISHED	-	CUSTOM	FACTORY FINISH, COLOR TO MATCH ADJACENT SURFACE
07 92 00 JOINT SEALANT	SEALANT	JS-1	SEE SPECIFICATIONS	-	COLOR TO MATCH ADJOINING SURFACES	-
08 11 13 HOLLOW METAL DOORS AND FRAMES	HOLLOW METAL DOOR COLOR	HMD-1	CURRIES	DUNN-EDWARDS DE6363	POINTED ROCK	EXTERIOR, INTERIOR
	HOLLOW METAL FRAME COLOR	HMF-1	CURRIES	DUNN-EDWARDS DE6352	DECEMBER SKY	EXTERIOR, INTERIOR
08 43 13 ALUMINUM FRAMED STOREFRONTS	ALUMINUM FRAMED STOREFRONT	AL-1	ARCADIA INC	UC110423F	ANODIC CLEAR	
08 44 13 GLAZED ALUMINUM CURTAIN WALL	CURTAINWALL GLAZING	G-1	VITRO	SOLARBAN 60	(2) CLEAR + CLEAR GLASS INSULATING GLASS UNIT	-
	CURTAINWALL GLAZING	G-2	VITRO	FRIT 3 PATTERN	(2) CLEAR + FRIT 3(WHITE) PATTERN INSULATING GLASS UNIT	-
09 30 00 TILING	PORCELAIN TILE	CT-1	DALTILE	SA04	SLATE ATTACHE - META WHITE	LIGHT POLISHED FINISH AT WALLS, UNPOLISHED AT FLOORS
	PORCELAIN TILE	CT-2	DALTILE	HM05	HAUT MONDE - ELITE GREY	LIGHT POLISHED FINISH AT WALLS, UNPOLISHED AT FLOORS
	LUXURY VINYL TILE	LVT-1	ARMSTRONG	J5115	SCOTCH MIST	-
	LUXURY VINYL TILE	LVT-2	ARMSTRONG	NA331	BRACO MORTAR	-
	LUXURY VINYL TILE	LVT-3	ARMSTRONG	NA340	DELANO SHELL	-
	LUXURY VINYL TILE	LVT-4	ARMSTRONG	NA170	MAPLE HONEYSUCKLE	-
	TILE GROUT	GT-1	MAPEI	5103	COBBLESTONE	RESTROOM
	TILE GROUT	GT-2	MAPEI	5011	SAHARA BEIGE	RESTROOM
	TILE ACCESSORY COVE-SHAPED PROFILES	CV-1	SCHLUTER DILEX HKU	HKUR10EB	STAINLESS STEEL BRUSHED	RESTROOM
09 51 00 SUSPENDED ACOUSTICAL CEILINGS	ACOUSTICAL CEILING	AT-1	ARMSTRONG OPTIMA SQUARE LAY-IN	-	WHITE	WORKSTATION, HALLWAY, PRINCIPLE, OFFICE
09 54 23 LINEAR METAL CEILING SYSTEM	LINEAR BAFFLE ASSEMBLY	LBA-1	USG CEILINGS PLUS BARZ	S12N	SARANTE VALLEY MAPLE	CONFERENCE HALL, OFFICE
	LINEAR BAFFLE ASSEMBLY	LBA-2	USG CEILINGS PLUS BARZ	20	COLORTEX STONE	ADMIN
	EXTERIOR LINEAR METAL CEILING	LMC-1	AEP SPAN	-	COOL DURA TECH SILVERSMITH	EXTERIOR CANOPY
09 65 00 RESILIENT FLOORING	RESILIENT BASE	RB-1	JOHNSONITE	TA6	BEDROCK	-
09 90 00 PAINTING	PAINT - INTERIOR	P-1	DUNN EDWARDS	DEW341	SWISS COFFEE	-
	PAINT - INTERIOR	P-2	DUNN EDWARDS	DE6357	BLACK TIE	-
	PAINT - EXTERIOR	P-3	DUNN EDWARDS	-	COLOR TO MATCH EXISTING	FASCIA, BREAK METAL PIPE COVER, ORNAMENTAL GATE, STEEL COLUMN
09 96 00 HIGH PERFORMANCE COATINGS	PAINT - EXTERIOR	HP-1	TNEMEC FLUORONAR	MATCH DUNN-EDWARDS DEW380	WHITE	CANOPY COLUMNS
10 11 00 VISUAL DISPLAY UNIT	MARKER BOARD	MB-1	CLARIDGE LCS PORCELAIN	100	WHITE	-
10 14 19 SIGNAGE	3D LETTERING SIGNAGE	SG-1	-	-	STAINLESS STEEL SATIN #4 FINISH	EXTERIOR CANOPY
12 24 00 WINDOW SHADES	SHADE FABRIC	WS-1	DRAPER/PHIEFER PW4400 SHEERWEAVE	U61	GREYSTONE	3% OPEN
12 36 61 QUARTZ AGGLOMERATE COUNTERTOPS	QUARTZ COUNTERTOP	QC-1	CAESARSTONE	6600	NOUGAT	RESTROOM
32 31 13 CHAIN LINK FENCES AND GATES	GALVANIZED STEEL	CL-1	SEE SPECIFICATIONS	-	GALVANIZED	-

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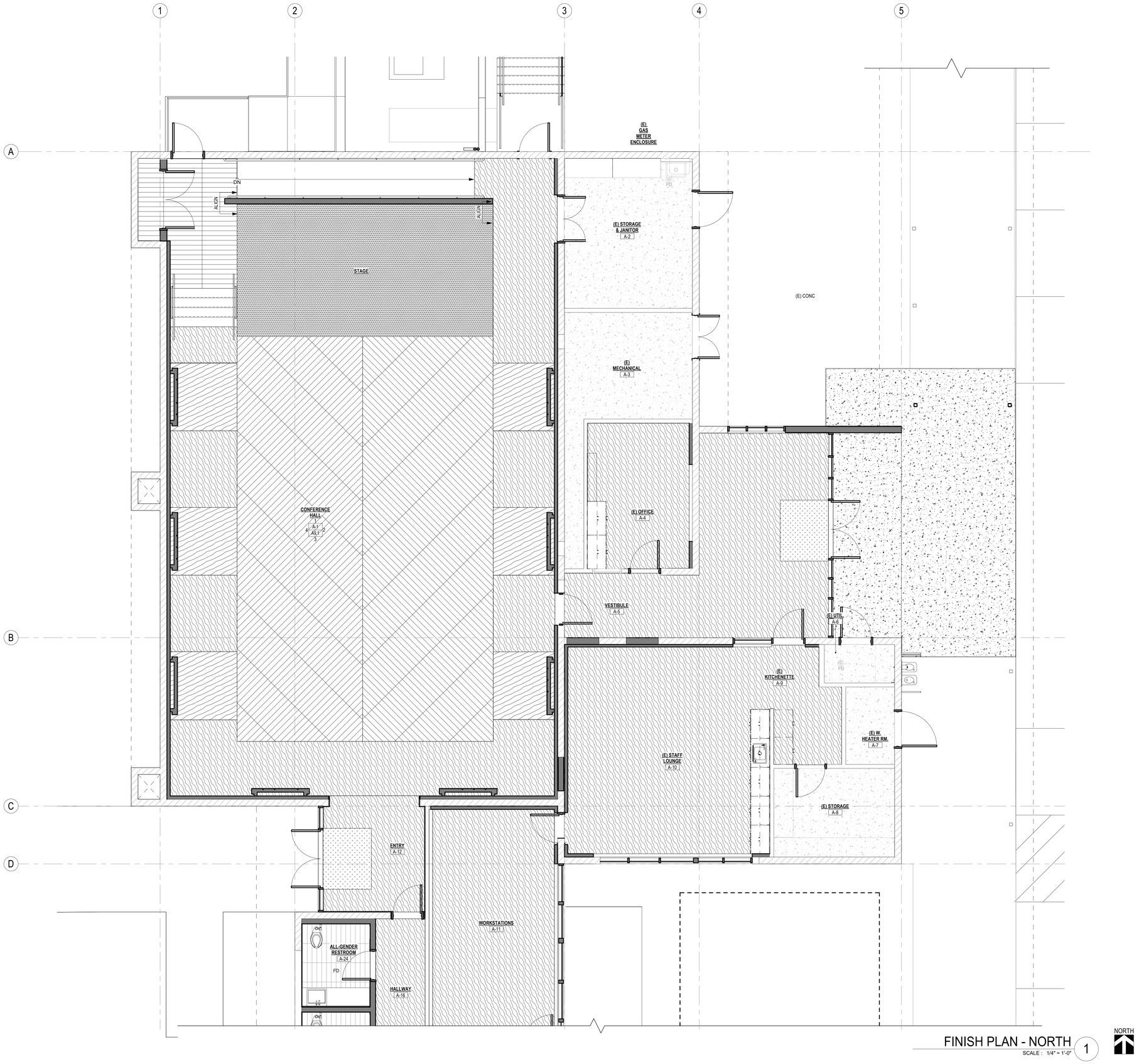
owner

tBP project number: 21206.00
file name:
drawn by: Author checked by: D.F.
date: 02.28.2025 2/27/2025 11:27:28 AM

rev:	date:	description:

drawing title:
FINISH SCHEDULE

drawing no.:
9.01



FINISH PLAN - NORTH 1

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

NORTH

LEGEND

- 6X24" PORCELAIN TILE
- LVT 1 - ARMSTRONG SCOTCH MIST 12X72" LUXURY VINYL TILE
- LVT 4 - ARMSTRONG MAPLE HONEYSUCKLE 12X24" LUXURY VINYL TILE
- (E)CONCRETE
- CONCRETE
- LVT 2 - ARMSTRONG BRACO MORTAR 12X24" LUXURY VINYL TILE
- LVT 3 - ARMSTRONG DELANO SHELL 12X24" LUXURY VINYL TILE

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. DIMENSIONS ARE TO FACE OF STUD (U.N.O.).
3. GENERAL CONTRACTOR IS TO FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
4. REFER TO SHEET 8.01 FOR DOOR AND WINDOW SCHEDULES.
5. REFER TO SHEET 9.01 FOR INTERIOR FINISH AND COLOR SCHEDULE.
6. REFER TO SHEET 9.02 FOR FLOOR FINISH PLAN.
7. REFER TO SHEET 11.01 FOR ACCESSIBLE SIGNAGE PLAN AND DETAILS.
8. PATCH AND REPAIR CONCRETE AS REQUIRED.

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 9:44:41 AM

rev:	date:	description:

drawing title:

FINISH FLOOR PLAN

drawing no.:

9.02

FINISH PLAN - SOUTH 1
SCALE : 1/4" = 1'-0"

NORTH

LEGEND

- 6X24" PORCELAIN TILE
- LVT 1 - ARMSTRONG SCOTCH MIST 12X72" LUXURY VINYL TILE
- LVT 4 - ARMSTRONG MAPLE HONEYSUCKLE 12X24" LUXURY VINYL TILE
- (E)CONCRETE
- CONCRETE
- LVT 2 - ARMSTRONG BRACO MORTAR 12X24" LUXURY VINYL TILE
- LVT 3 - ARMSTRONG DELANO SHELL 12X24" LUXURY VINYL TILE

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. DIMENSIONS ARE TO FACE OF STUD (U.N.O.).
3. GENERAL CONTRACTOR IS TO FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
4. REFER TO SHEET 8.01 FOR DOOR AND WINDOW SCHEDULES.
5. REFER TO SHEET 9.01 FOR INTERIOR FINISH AND COLOR SCHEDULE.
6. REFER TO SHEET 9.02 FOR FLOOR FINISH PLAN.
7. REFER TO SHEET 11.01 FOR ACCESSIBLE SIGNAGE PLAN AND DETAILS.
8. PATCH AND REPAIR CONCRETE AS REQUIRED.

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drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 9:43:28 AM

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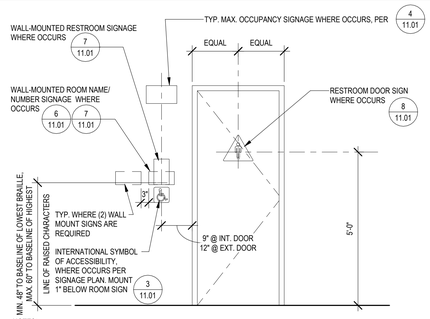
drawing title:

FINISH FLOOR PLAN

drawing no.:

9.03

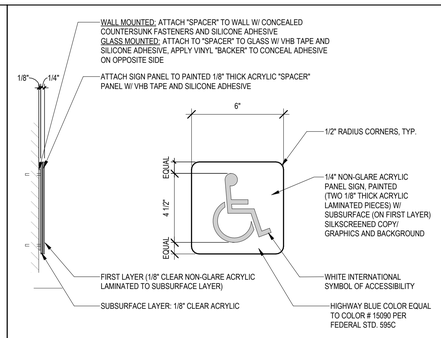


NOTES:

1. MOUNT SIGN ON THE WALL ADJACENT TO LATCH SIDE OF DOOR, AT 60" MAX. ABOVE FINISH FLOOR TO BASELINE OF HIGHEST LINE OF RAISED CHARACTER. WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF DOOR, PLACE SIGN ON NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.
2. IF MORE THAN ONE SIGN IS TO BE INSTALLED AT DOOR, KEEP ALL TACTILE SIGNS AT 60" MAX. HEIGHT TO BASELINE OF HIGHEST LINE OF RAISED CHARACTERS.
3. SEE TYPICAL SIGNAGE NOTES (THIS SHEET) FOR MORE INFORMATION.

11 TYP. SIGNAGE LOCATION NOTES

SCALE: 1/2" = 1'-0" — 1



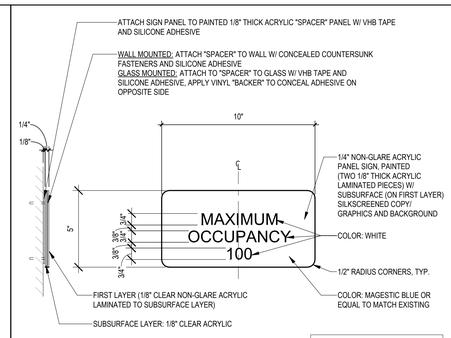
SECTION: **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: 3" = 1'-0" — 3



SECTION: **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

MAX. OCCUPANCY SCHEDULE
ROOM NUMBER OCCUPANCY

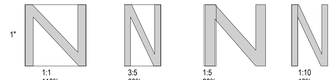
MAX. OCCUPANCY SIGN

SCALE: 3" = 1'-0" — 4

SIGNAGE GENERAL NOTES:

1. SIGNS SHALL COMPLY WITH SECTION 11B-703.
2. CHARACTER TYPE: CHARACTERS ON SIGN SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 CONTRACTED BRAILLE.
3. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
4. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH PER SECTION 11B-703.5.1.
5. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. 11B-703.5.4

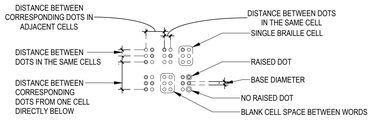
LETTERS AND NUMBERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE STYLE TO TEST, BEGIN BY PRINTING THE LETTERS "I", "X", AND "O" AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE "X" OR "O", WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1 INCH NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW.



BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.

DIMENSIONS AND CAPITALIZATION - BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

POSITION - BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM AND 1/2 INCH (12.7 MM) MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS. SECTION 11B-703.3.2



BRAILLE DIMENSIONS - TABLE 11B-703.3.1

MEASUREMENT RANGE	MIN. IN INCHES/ MAX. IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM) TO 0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.300 (7.6 MM)
DOT HEIGHT	0.025 (0.6 MM) TO 0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 (10 MM) TO 0.400 (10.2 MM)

PICTOGRAMS:

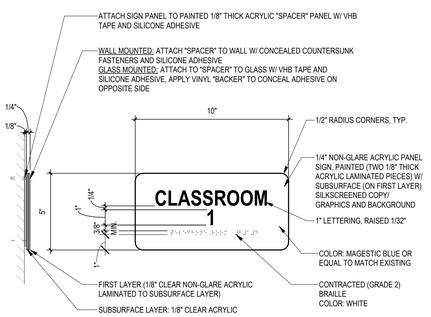
PICTOGRAMS SHALL COMPLY WITH SECTION 11B-703.6. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (152 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL BE LOCATED OUTSIDE PICTOGRAM FIELD.

FINISH AND CONTRAST: PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. THEY SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON DARK FIELD OR DARK PICTOGRAM ON LIGHT FIELD.

TEXT DESCRIPTORS: PICTOGRAMS SHALL HAVE CORRESPONDING TEXT DESCRIPTOR DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.

11 TYP. SIGNAGE NOTES

SCALE: 3" = 1'-0" — 10



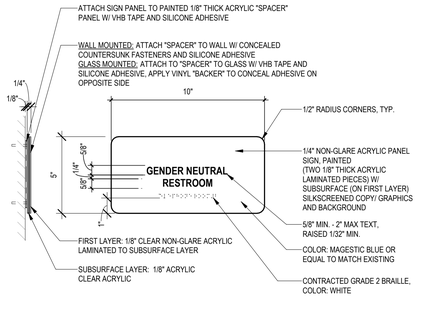
SECTION: **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

ROOM NAME/ NUMBER SIGNAGE

SCALE: 3" = 1'-0" — 6



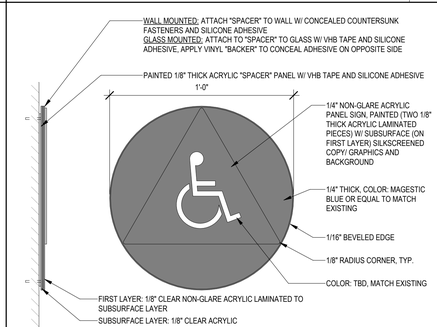
SECTION **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

WALL MOUNTED GENDER NEUTRAL SIGN

SCALE: 3" = 1'-0" — 7



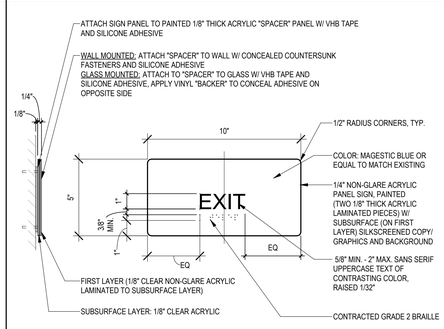
SECTION **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYP. SIGNAGE NOTES REFER TO. 10 / 11.01
3. SIGN COLOR SHALL BE MIN. 70% CONTRAST TO DOOR COLOR.

DOOR MOUNTED GENDER NEUTRAL SIGN

SCALE: 3" = 1'-0" — 8



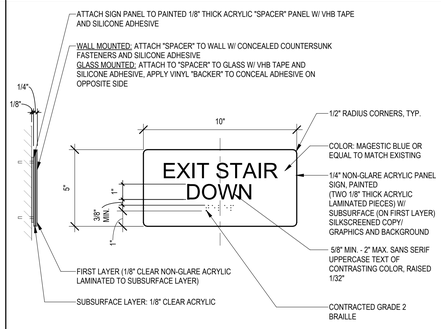
SECTION: **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

TACTILE EXIT SIGN (ON INT. SIDE)

SCALE: 3" = 1'-0" — 13



SECTION: **ELEVATION**

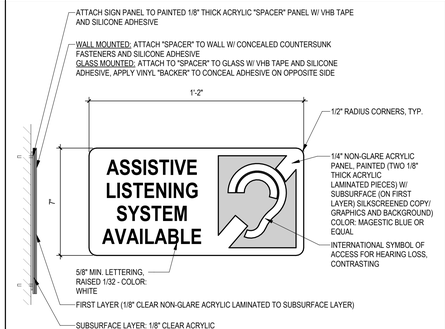
NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

SIGN TYPE:
TYPE 9A - "EXIT RAMP DOWN"
TYPE 9B - "EXIT STAIR DOWN"

TACTILE EXIT SIGN (ON INT. SIDE)

SCALE: 3" = 1'-0" — 14



SECTION: **ELEVATION**

NOTES:

1. FOR MOUNTING INFORMATION REFER TO 1 / 11.01
2. FOR TYPICAL SIGNAGE NOTES REFER TO 10 / 11.01

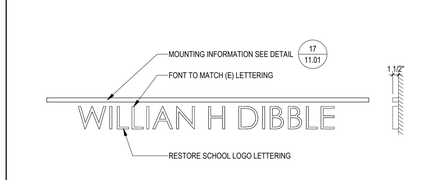
ASSISTIVE LISTENING DEVICE SIGN

SCALE: 3" = 1'-0" — 15

NOTES:
- STUDS ARE SET IN ADHESIVE CEMENT.
- PRE-CUT STUDS ARE SET IN ADHESIVE CEMENT.
- PRE-CUT SPACERS ARE INSERTED BETWEEN LETTER AND SURFACE.
- TYPE STYLE:

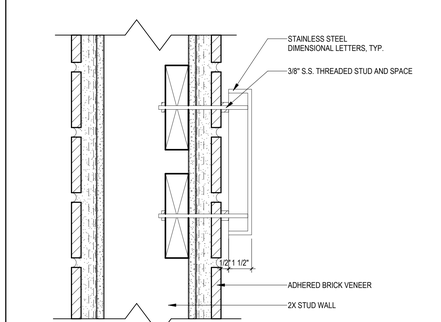
DIMENSIONAL LETTERING SECTION

SCALE: 3" = 1'-0" — 17



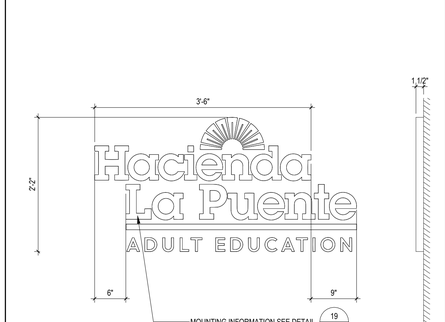
DIMENSIONAL LETTERING SIGNAGE

SCALE: 3/4" = 1'-0" — 18



DIMENSIONAL LETTERING SECTION

SCALE: 3" = 1'-0" — 19



DIMENSIONAL LETTERING SIGNAGE

SCALE: 1" = 1'-0" — 20

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 11:19:17 AM

rev:	date:	description:

drawing title:

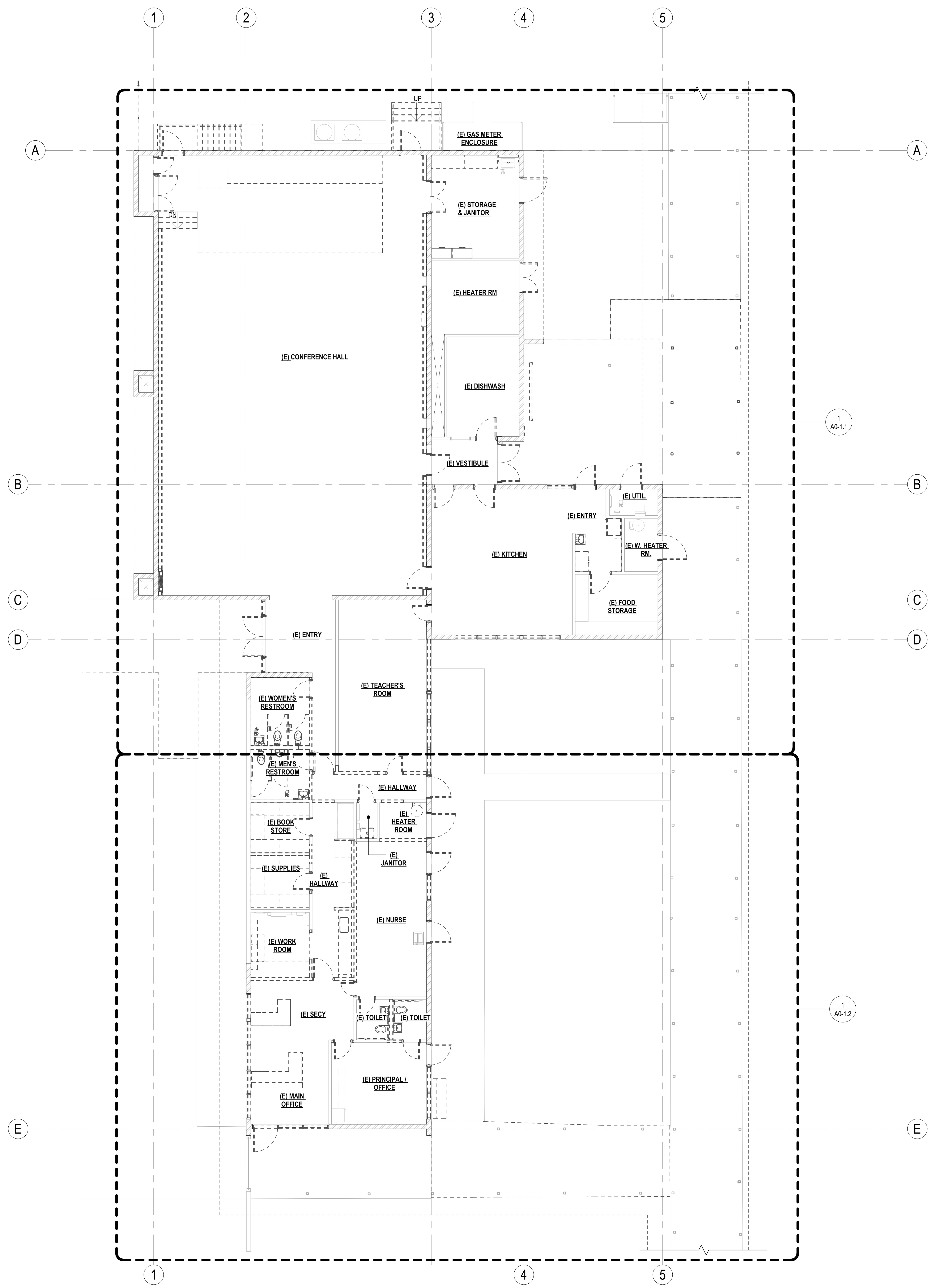
SIGNAGE DETAILS

drawing no.:

11.01

NOTES

1. REFER TO SHEET T-2 FOR GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. REMOVE (E) SURFACE MOUNTED ELECTRICAL CONDUIT, RACEWAYS, ETC. FOR ADDITIONAL INFORMATION REFER TO ELECTRICAL DEMOLITION DRAWINGS.
4. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.



OVERALL DEMOLITION FLOOR PLAN 1

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

0' 1' 2' 4' 8'

NORTH

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file name:

drawn by: Author checked by: D.F.

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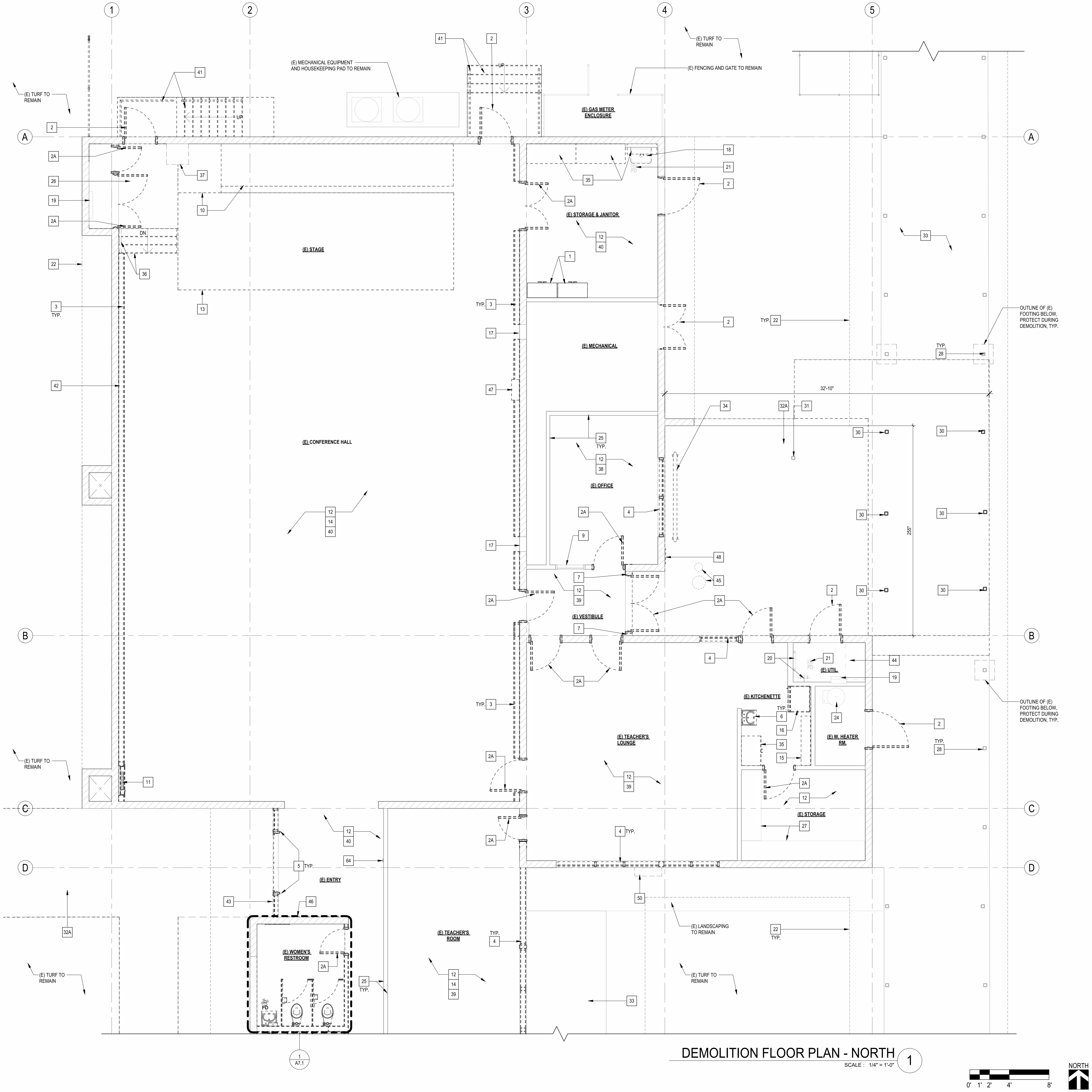
OVERALL DEMOLITION FLOOR PLAN

drawing no.:

A0-1.0



DEMOLITION FLOOR PLAN - NORTH (1)

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

0' 1' 2' 4' 8'

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. PATCH AND REPAIR EXISTING CONCRETE SLAB AS REQUIRED, FILL HOLES FOR SMOOTH SURFACE.
4. REPLACE ALL (E) DOOR PER DOORS SCHEDULE.
5. PATCH AND REPAIR (E) BRICK AS REQUIRED
6. REMOVE ALL WALL MOUNTED CONDUITS AND WIRE MOLD.
7. REMOVE ALL FLOORING AND BASE U.O.N.
8. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION LEGEND

- (E) 2X WOOD STUD WALL TO REMAIN
- (E) 8 1/2" BRICK WALL TO REMAIN
- REMOVE (E) 2X WOOD STUD WALL AND CONCRETE CURB WHERE OCCURS
- REMOVE (E) DOOR AND HARDWARE, (E) FRAME TO REMAIN
- REMOVE (E) DOOR, FRAME, AND HARDWARE
- F.E. F.E. (E) FIRE EXTINGUISHER TO REMAIN

DEMOLITION KEYNOTES

→ NOTE:

1	REMOVE (E) METAL STORAGE CABINET
2	REMOVE (E) DOOR AND HARDWARE. PREP (E) HOLLOW METAL FRAME FOR PAINTING
2A	REMOVE (E) DOOR, DOOR FRAME, AND HARDWARE
3	REMOVE (E) 2X FURRED WALL IN ITS ENTIRETY
4	REMOVE (E) METAL WINDOW SYSTEM, BLINDS, SCREENING, EXTERIOR LOUVERS & WINDOW AC UNITS WHERE OCCURS
5	REMOVE (E) ENTRY DOOR AND METAL WINDOW ASSEMBLY
6	REMOVE (E) SINK AND ASSOCIATED PLUMBING. REFER TO PLUMBING DRAWING
7	REMOVE PORTION OF (E) WALL
9	(E) WINDOW AND FRAME TO REMAIN.
10	REMOVE (E) METAL RAMP AND RAILING
11	REMOVE (E) FIRE HOSE AND CABINET
12	REMOVE (E) FLOORING AND WALL BASE
13	REMOVE (E) METAL PLATFROM STAGE
14	REMOVE (E) SURFACE MOUNTED CONDUIT AND RACEWAYS. SALVAGE FOR REINSTALLATION FIRE ALARM DEVICES, THERMOSTATS, AND PANELS. REFER TO ELECTRICAL DRAWING
15	REMOVE (E) SHELVING
16	REMOVE (E) REFRIDGERATOR
17	REMOVE (E) RETURN AIR LOUVER AND FRAME - SEE MECHANICAL DWGS.
18	REMOVE (E) SERVICE SINK. SEE PLUMBING DWGS
19	(E) ELECTRICAL PANEL TO REMAIN
20	(E) HOSE BIBS TO REMAIN
21	(E) FLOOR DRAIN TO REMAIN
22	OUTLINE OF (E) ROOF OVERHANG ABOVE, TYP.
24	(E) WATER HEATER TANK TO REMAIN
25	(E) STUD WALL TO REMAIN, REMOVE (E) WALL FINISH
26	REMOVE (E) RAISED WOOD PLATFORM AND ASSOCIATED FRAMING
27	(E) CASEWORK TO REMAIN
28	(E) TUBE STEEL COLUMN TO REMAIN, PROTECT IN-PLACE
30	REMOVE (E) 2 1/2" TUBE STEEL COLUMN AND ASSOCIATED FOOTINGS
31	(E) 4" TUBE STEEL COLUMN TO REMAIN
32A	REMOVE PORTION OF (E) 3 1/2" CONCRETE PAVING. SEE CIVIL FOR EXTENT OF DEMOLITION
33	(E) CONCRETE PAVING TO REMAIN
34	REMOVE (E) BIKE RACK
35	REMOVE (E) CASEWORK
36	REMOVE (E) WOOD FRAMED STAIR AND HANDRAIL
37	REMOVE (E) EQUIPMENT AND SALVAGE FOR REINSTALLATION, REFER TO ELECTRICAL DRAWING
38	REMOVE (E) PLASTER FINISH ON (E) WALL
39	REMOVE (E) HARDWOOD WALL PANELING
40	REMOVE (E) ACOUSTICAL WALL TILE
41	REMOVE (E) CONCRETE STAIR, RAILINGS, AND ASSOCIATED FOOTING
42	REMOVE CEILING TILES ABOVE WALL FURRING
43	REMOVE HOLLOW METAL WINDOWS
44	(E) CABINET TO BE ADJUSTED TO ACCOMADATE DRINKING FOUNTAIN INSTALLATION
45	REMOVE AND DISPOSE OF (E) CLEANOUT AND GREASE INTERCEPTOR LID. PROTECT BELOW GRADE GREASE INTERCEPTOR IN PLANCE. FILL GREASE INTERCEPTOR WITH 2 SACK CEMENT SAND SLURRY & ABANDON IN PLACE
46	REMOVE (E) TACKBOARD PATCH AND REPAIR AS REQUIRED
47	REMOVE (E) ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS
48	REMOVE (E) WALL MOUNTED SIGNAGE, PATCH AND REPAIR HOLES AS REQUIRED
50	REMOVE (E) WALL MOUNTED AC UNIT
64	REMOVE (E) CLEAN OUT

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owner

tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025

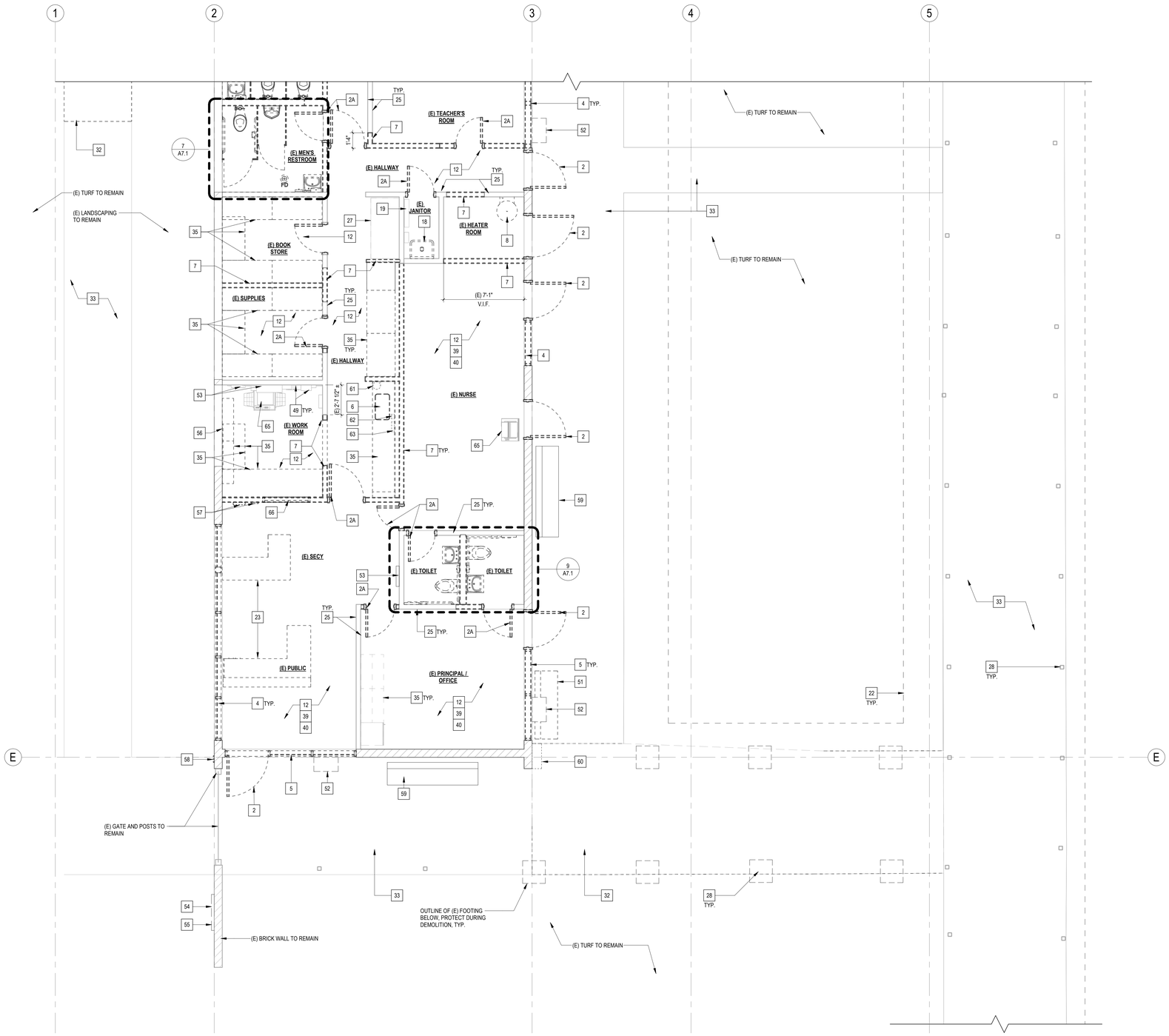
rev:	date:	description:

drawing title:

DEMOLITION FLOOR PLAN - NORTH

drawing no.:

A0-1.1



DEMOLITION FLOOR PLAN - SOUTH

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

0' 1' 2' 4' 8'

NORTH

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. PATCH AND REPAIR EXISTING CONCRETE SLAB AS REQUIRED, FILL HOLES FOR SMOOTH SURFACE.
4. REPLACE ALL (E) DOOR PER DOORS SCHEDULE.
5. PATCH AND REPAIR (E) BRICK AS REQUIRED
6. REMOVE ALL WALL MOUNTED CONDUITS AND WIRE MOLD.
7. REMOVE ALL FLOORING AND BASE U.O.N.
8. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION LEGEND

- (E) 2X WOOD STUD WALL TO REMAIN
- (E) 8 1/2" BRICK WALL TO REMAIN
- REMOVE (E) 2X WOOD STUD WALL AND CONCRETE CURB WHERE OCCURS
- REMOVE (E) DOOR AND HARDWARE, (E) FRAME TO REMAIN
- REMOVE (E) DOOR, FRAME, AND HARDWARE
- F.E. F.E. (E) FIRE EXTINGUISHER TO REMAIN

DEMOLITION KEYNOTES

[#] ← NOTE:

2	REMOVE (E) DOOR AND HARDWARE. PREP (E) HOLLOW METAL FRAME FOR PAINTING
2A	REMOVE (E) DOOR, DOOR FRAME, AND HARDWARE
4	REMOVE (E) METAL WINDOW SYSTEM, BLINDS, SCREENING, EXTERIOR LOUVERS & WINDOW AC UNITS WHERE OCCURS
5	REMOVE (E) ENTRY DOOR AND METAL WINDOW ASSEMBLY
6	REMOVE (E) SINK AND ASSOCIATED PLUMBING. REFER TO PLUMBING DRAWING
7	REMOVE PORTION OF (E) WALL
8	REMOVE (E) WATER HEATER - SEE PLUMBING DWGS
12	REMOVE (E) FLOORING AND WALL BASE
18	REMOVE (E) SERVICE SINK. SEE PLUMBING DWGS
19	(E) ELECTRICAL PANEL TO REMAIN
22	OUTLINE OF (E) ROOF OVERHANG ABOVE, TYP.
23	REMOVE (E) FURNITURE
25	(E) STUD WALL TO REMAIN, REMOVE (E) WALL FINISH
27	(E) CASEWORK TO REMAIN
28	(E) TUBE STEEL COLUMN TO REMAIN, PROTECT IN-PLACE
32	REMOVE PORTION OF (E) 3 1/2" CONCRETE PAVING. SEE CIVIL FOR EXTENT OF DEMOLITION - BID ALTERNATE 2
33	(E) CONCRETE PAVING TO REMAIN
35	REMOVE (E) CASEWORK
39	REMOVE (E) HARDWOOD WALL PANELING
40	REMOVE (E) ACOUSTICAL WALL TILE
49	(E) FIRE ALARM TO REMAIN
51	REMOVE (E) METAL BENCH
52	REMOVE (E) WALL MOUNTED AC UNIT
53	(E) FIRE ALARM ANNUNICATOR PANEL TO REMAIN
54	REMOVE (E) SIGNAGE
55	REMOVE (E) DIMENSIONAL LETTERING
56	REMOVE WAINSCOT TRIM
57	REMOVE (E) FIRE ALARM DEVICE
58	REMOVE (E) BLDG NUMBERS
59	(E) CONCRETE BENCH TO REMAIN
60	REMOVE (E) WALL MOUNTED CABINET - PATCH AND REPAIR BRICK AS REQUIRED
61	REMOVE AND REINSTALL (E) FIRE EXTINGUISHER
62	REMOVE (E) SOAP DISPENSER
63	REMOVE (E) PAPER TOWEL DISPENSER
65	(E) EQUIPMENT TO BE REMOVED AND RE-INSTALLED
66	REMOVE (E) WINDOW AND FRAME

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 2:47:08 PM

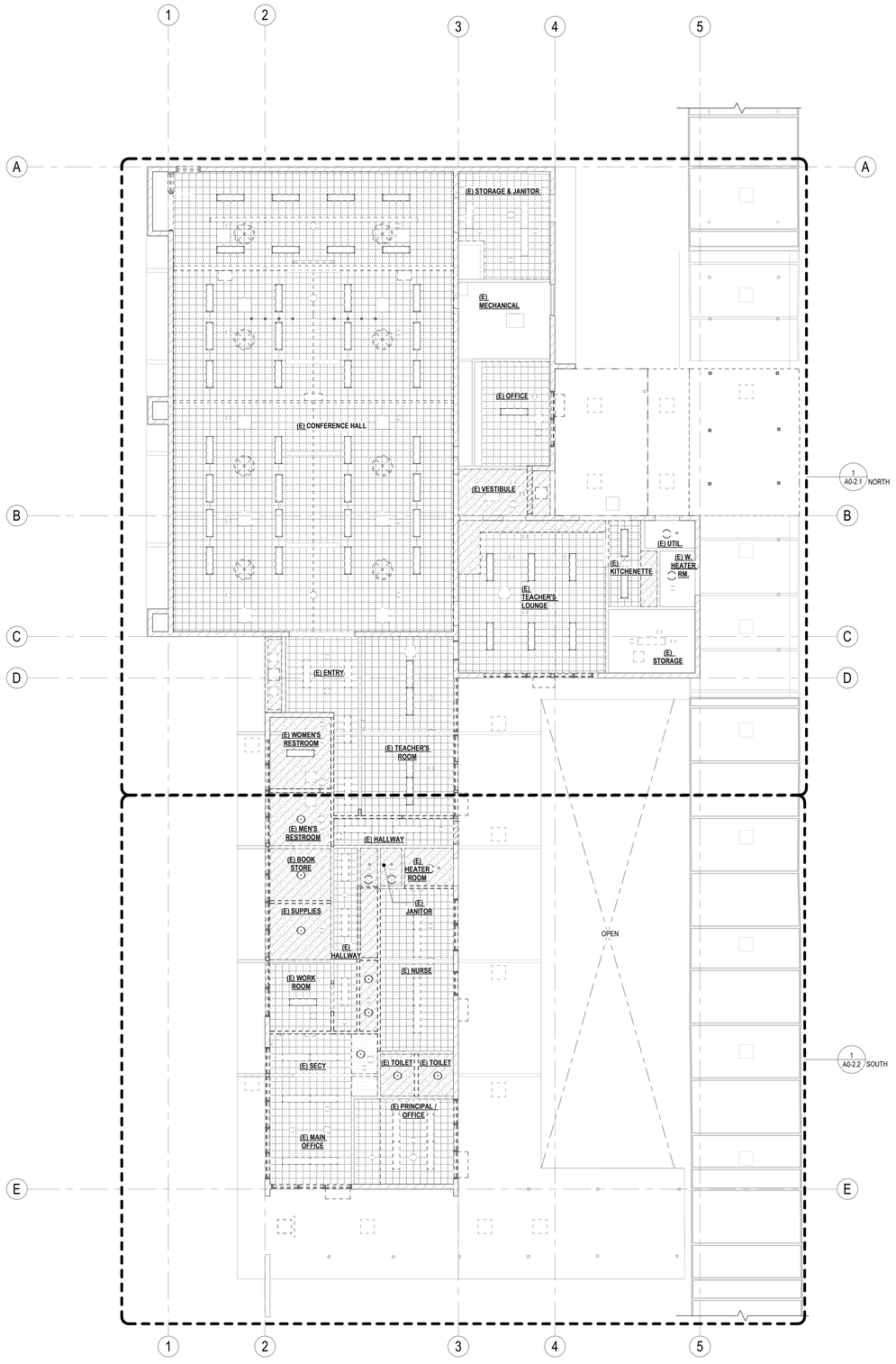
rev:	date:	description:

drawing title:

DEMOLITION FLOOR PLAN - SOUTH

drawing no.:

A0-1.2



OVERALL DEMOLITION REFLECTED CEILING PLAN 1

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

0' 2' 4' 8' 16'

NORTH

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. PATCH AND REPAIR CONCRETE AS REQUIRED.
4. REPLACE ALL (E) DOOR PER DOOR SCHEDULE

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IBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 3:39:53 PM

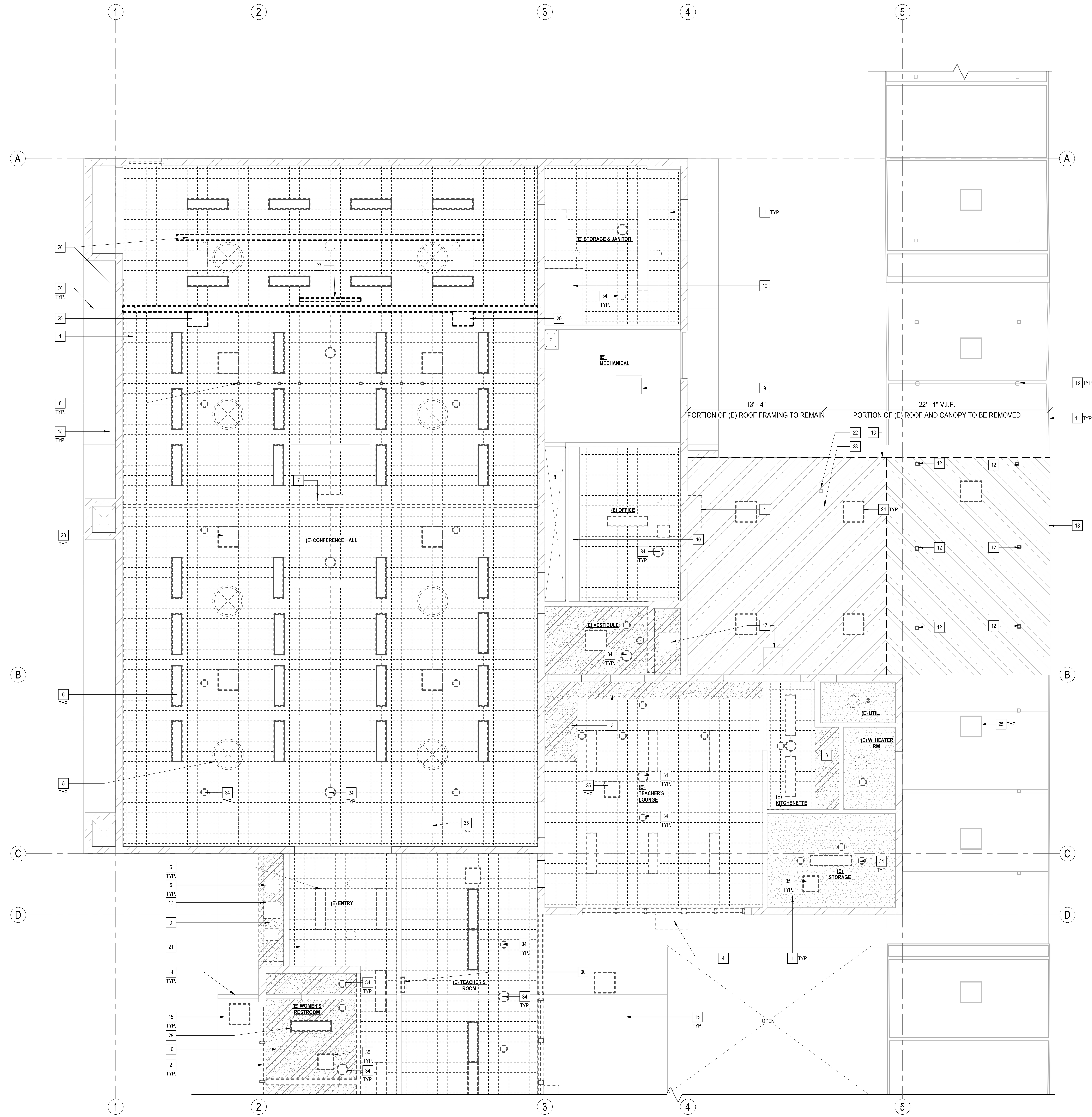
rev:	date:	description:

drawing title:

OVERALL DEMO. REFLECTED CLG. PLAN

drawing no.:

A0-2.0



DEMOLITION REFLECTED CEILING PLAN - NORTH (1)

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

0' 1' 2' 4' 8'

NORTH

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. PATCH AND REPAIR EXISTING CONCRETE SLAB AS REQUIRED, FILL HOLES FOR SMOOTH SURFACE.
4. REPLACE ALL (E) DOOR PER DOORS SCHEDULE.
5. PATCH AND REPAIR (E) BRICK AS REQUIRED
6. REMOVE ALL WALL MOUNTED CONDUITS AND WIRE MOLD.
7. REMOVE ALL FLOORING AND BASE U.O.N.
8. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION LEGEND

- (E) 2X WOOD WALL TO REMAIN
- (E) 8 1/2" BRICK WALL TO REMAIN
- REMOVE (E) 2X WOOD STUD WALL
- REMOVE (E) 12"X12" ACOUSTICAL CEILING TILE, PROTECT IN PLACE (E) 2X8 ROOF FRAMING TO REMAIN
- REMOVE (E) CEMENT PLASTER CEILING, PROTECT IN PLACE (E) FRAMING TO REMAIN
- (E) PLASTER CEILING TO REMAIN
- REMOVE (E) WALKWAY COVER

DEMOLITION KEYNOTES

#	NOTE:
1	REMOVE (E) ACOUSTICAL CEILING TILE, MOLDING, GYPSUM BOARD, AND 2X6 CEILING JOISTS
2	REMOVE (E) CLERESTORY WINDOWS
3	REMOVE (E) GYP. BD. SOFFIT AND FRAMING
4	REMOVE (E) WINDOW AC UNIT
5	REMOVE (E) DIFFUSER
6	REMOVE (E) SURFACE MOUNTED LIGHT FIXTURE
7	REMOVE (E) CEILING MOUNTED PROJECTOR AND SALVAGE FOR RE-INSTALLATION
8	(E) SHAFT TO REMAIN
9	(E) VENT TO REMAIN
10	(E) SOFFIT TO REMAIN
11	(E) COVERED WALKWAY TO REMAIN
12	REMOVE (E) COLUMN FOR ENTRY MODERNIZATION
13	(E) TUBE STEEL COLUMN TO REMAIN
14	(E) 17 7/8" X 5" LAMINATED BEAM, PROTECT IN PLACE, TYP.
15	(E) EXTERIOR CEMENT PLASTER CEILING TO REMAIN
16	REMOVE (E) PLASTER CEILING
17	REMOVE (E) GRILL
18	DEMO PORTION OF (E) COVERED WALKWAY - DIMENSION EXTENT
19	(E) PLASTER SOFFIT, PATCH AND REPAIR AS REQUIRED - PAINT
20	(E) LAMINATED ROOF BEAMS TO BE PAINTED
21	REMOVE (E) ACOUSTICAL CEILING, MOLDING, AND GYPSUM BOARD SUBSTRATE
22	(E) 4" TUBE STEEL COLUMN TO REMAIN, PROTECT IN PLACE
23	(E) 6 B 15.5 STEEL BEAM AND CONTINOUS SHAPED NAILERS TO REMAIN, PROTECT IN PLACE
24	REMOVE (E) FIXTURE, SEE ELECTRICAL DRAWINGS
25	REMAIN (E) FIXTURE, SEE ELECTRICAL DRAWINGS
26	REMOVE EXISTING CURTAINS AND ATTACHMENTS
27	REMOVE AND REINSTALL PROJECTION SCREEN
28	REMOVE (E) SURFACE LIGHT FIXTURE
29	REMOVE AND REINSTALL SPEAKERS
30	REMOVE AND REINSTALL EXISTING CLOCK
31	REMOVE AND RESINTALL MIRROR
32	REMOVE EXISTING SOFFIT MOUNTED SIGNAGE
34	REMOVE (E) FIRE ALARM AND SENSOR DEVICE
35	REMOVE (E) ACCESS PANEL
36	REMOVE (E) LIGHT BULB

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 3:40:35 PM

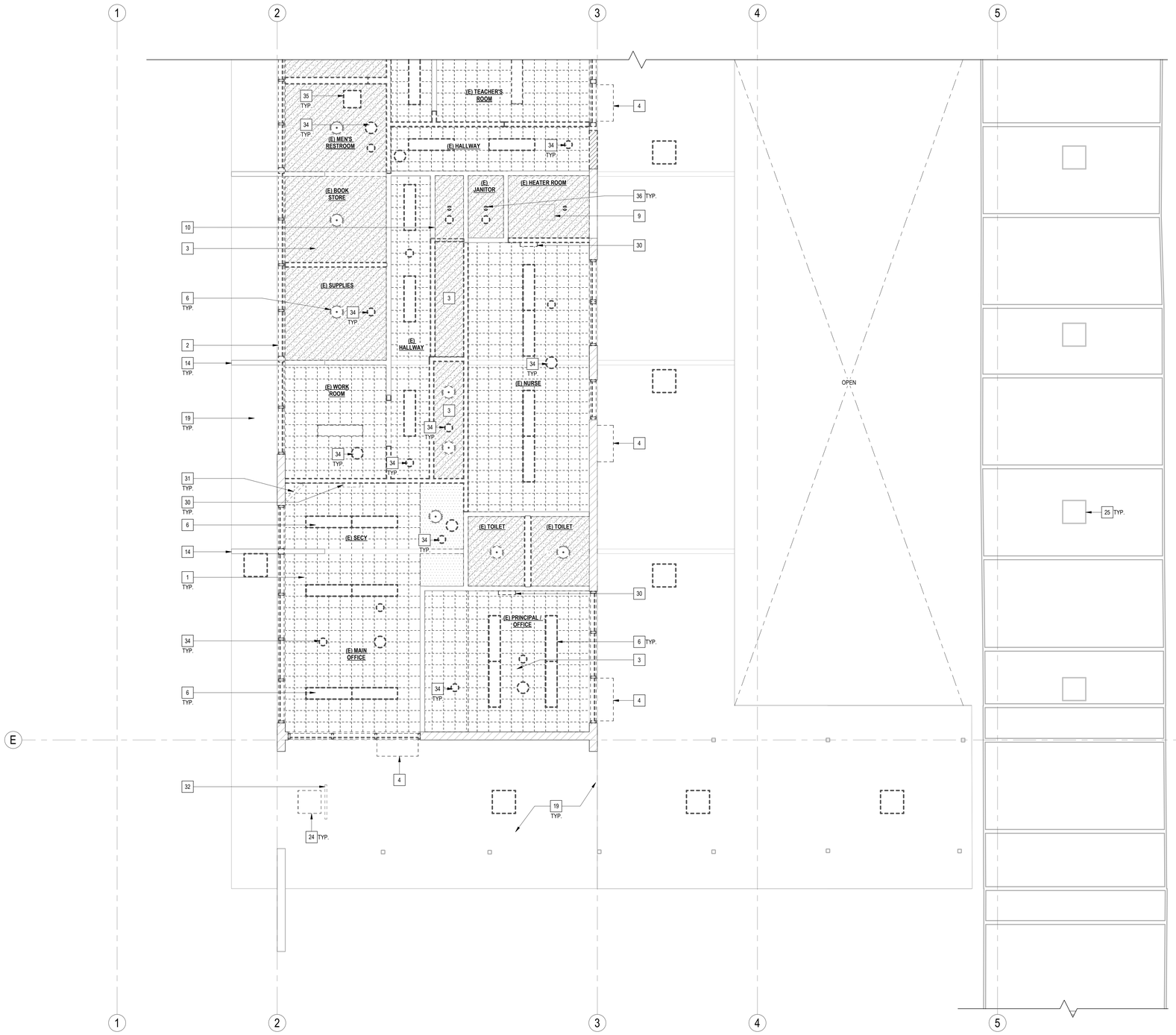
rev:	date:	description:

drawing title:

DEMO. REFLECTED CLG. PLAN - NORTH

drawing no.:

A0-2.1



DEMOLITION REFLECTED CEILING PLAN - SOUTH

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

1

0' 1' 2' 4' 8'

NORTH

DEMOLITION NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.

DEMOLITION LEGEND

- (E) 2X WOOD WALL TO REMAIN
- (E) 8 1/2" BRICK WALL TO REMAIN
- REMOVE (E) 2X WOOD STUD WALL
- REMOVE (E) 12"X12" ACOUSTICAL CEILING TILE, PROTECT IN PLACE (E) 2X8 ROOF FRAMING TO REMAIN
- REMOVE (E) CEMENT PLASTER CEILING, PROTECT IN PLACE (E) FRAMING TO REMAIN
- (E) PLASTER CEILING TO REMAIN
- REMOVE (E) WALKWAY COVER

DEMOLITION KEYNOTES

► NOTE:

1 REMOVE (E) ACOUSTICAL CEILING TILE, MOLDING, GYPSUM BOARD, AND 2X6 CEILING JOISTS
2 REMOVE (E) CLERESTORY WINDOWS
3 REMOVE (E) GYP. BD. SOFFIT AND FRAMING
4 REMOVE (E) WINDOW AC UNIT
5 REMOVE (E) DIFFUSER
6 REMOVE (E) SURFACE MOUNTED LIGHT FIXTURE
7 REMOVE (E) CEILING MOUNTED PROJECTOR AND SALVAGE FOR RE-INSTALLATION
8 (E) SHAFT TO REMAIN
9 (E) VENT TO REMAIN
10 (E) SOFFIT TO REMAIN
11 (E) COVERED WALKWAY TO REMAIN
12 REMOVE (E) COLUMN FOR ENTRY MODERNIZATION
13 (E) TUBE STEEL COLUMN TO REMAIN
14 (E) 17 7/8" X 5" LAMINATED BEAM, PROTECT IN PLACE, TYP.
15 (E) EXTERIOR CEMENT PLASTER CEILING TO REMAIN
16 REMOVE (E) PLASTER CEILING
17 REMOVE (E) GRILL
18 DEMO PORTION OF (E) COVERED WALKWAY - DIMENSION EXTENT
19 (E) PLASTER SOFFIT, PATCH AND REPAIR AS REQUIRED - PAINT
20 (E) LAMINATED ROOF BEAMS TO BE PAINTED
21 REMOVE (E) ACOUSTICAL CEILING, MOLDING, AND GYPSUM BOARD SUBSTRATE
22 (E) 4" TUBE STEEL COLUMN TO REMAIN, PROTECT IN PLACE
23 (E) 6 B 15.5 STEEL BEAM AND CONTINOUS SHAPED NAILERS TO REMAIN, PROTECT IN PLACE
24 REMOVE (E) FIXTURE, SEE ELECTRICAL DRAWINGS
25 REMAIN (E) FIXTURE, SEE ELECTRICAL DRAWINGS
26 REMOVE EXISTING CURTAINS AND ATTACHMENTS
27 REMOVE AND REINSTALL PROJECTION SCREEN
28 REMOVE (E) SURFACE LIGHT FIXTURE
29 REMOVE AND REINSTALL SPEAKERS
30 REMOVE AND REINSTALL EXISTING CLOCK
31 REMOVE AND RESINTALL MIRROR
32 REMOVE EXISTING SOFFIT MOUNTED SIGNAGE
34 REMOVE (E) FIRE ALARM AND SENSOR DEVICE
35 REMOVE (E) ACCESS PANEL
36 REMOVE (E) LIGHT BULB

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 3:41:39 PM

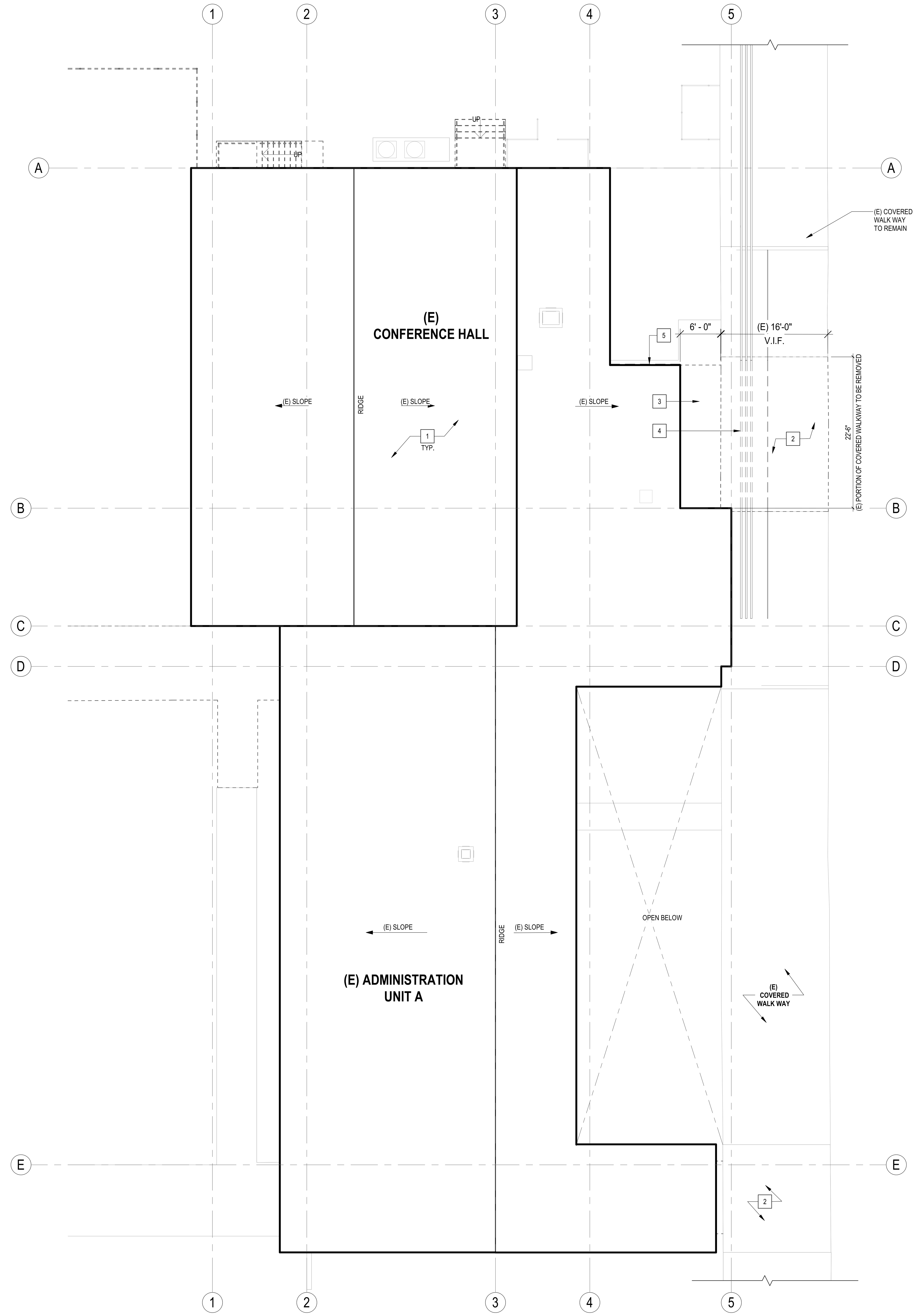
rev:	date:	description:

drawing title:

DEMO. REFLECTED CLG. PLAN - SOUTH

drawing no.:

A0-2.2



ROOF DEMOLITION PLAN 1
SCALE : 1/8" = 1'-0"
NORTH

DEMOLITION KEYNOTES

\# NOTE:

1. (E) ROOFING TO REMAIN - PROTECT IN PLACE
2. REMOVE PORTION OF (E) COVERED WALKWAY
3. REMOVE PORTION OF (E) ROOF OVERHANG
4. (E) CONDUIT TO BE RE-ROUTED, VERIFY (E) LOCATION. SEE ELECTRICAL DRAWINGS
5. CAREFULLY REMOVE PORTION (E) WOOD FASCIA AND AND (E) FLASHING

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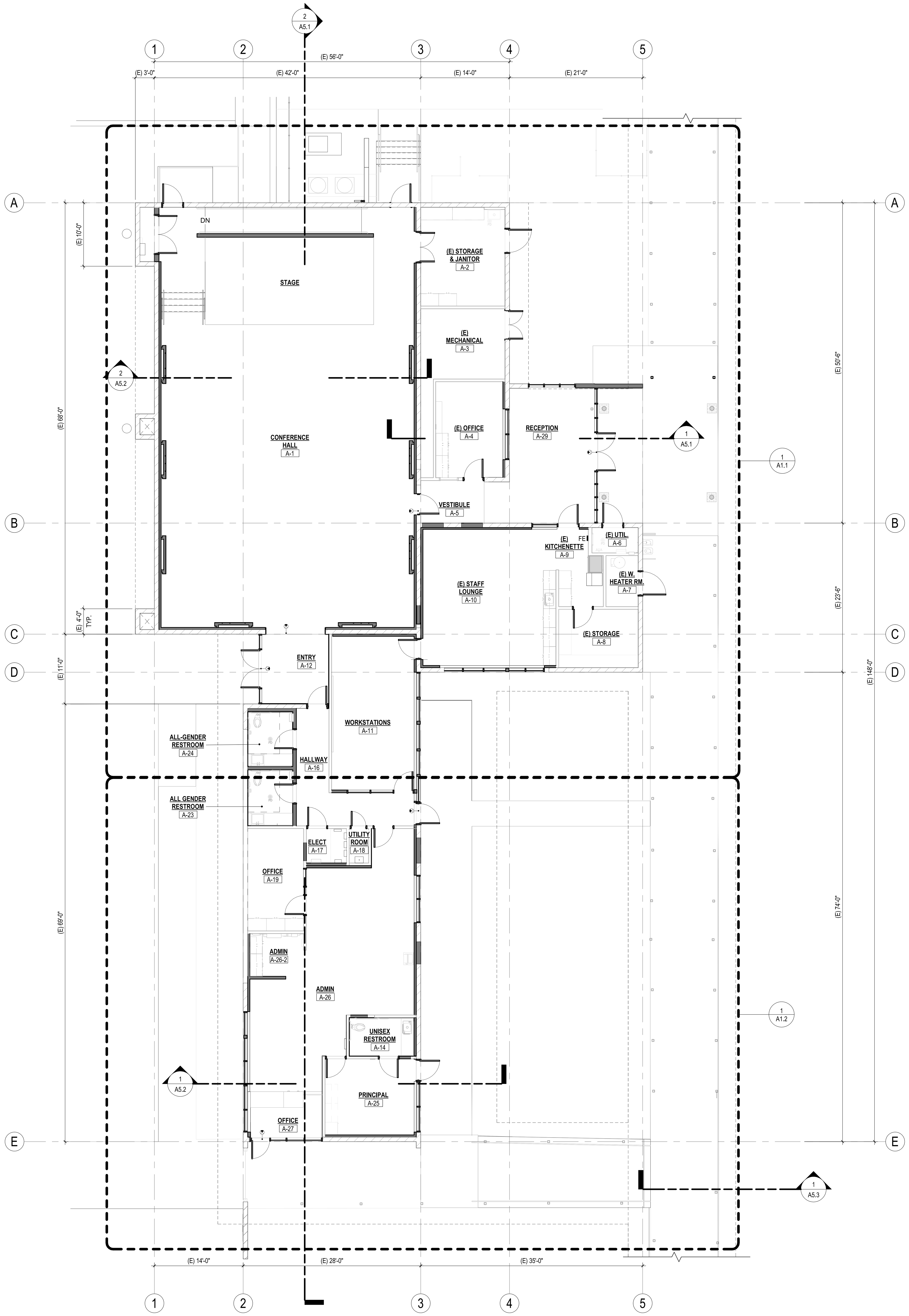
tBP project number: 21206.00
file name:
drawn by: checked by: D.F.
date: 02.28.2025

rev:	date:	description:

drawing title:
DEMOLITION ROOF PLAN

drawing no.:
A0-3.1



OVERALL FLOOR PLAN 1
SCALE : 1/8" = 1'-0"

0' 1' 2' 4' 8'

NORTH

NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
3. DIMENSIONS ARE TO FACE OF STUD (U.N.O.).
4. NO CUTTING OR CORING OF (E) BRICK WALLS IS PERMITTED UNLESS EACH LOCATION IS SPECIFICALLY DETAILED IN THESE DOCUMENTS.
5. PATCH AND REPAIR CONCRETE SLABS AS REQUIRED.
6. FOR TYPICAL CASEWORK DETAILS REFER TO SHEET 6.01.
7. REFER TO SHEET 8.01 FOR DOOR AND WINDOW SCHEDULES.
8. REFER TO SHEET 9.01 FOR INTERIOR FINISHES, FLOOR FINISHES, AND COLOR SCHEDULE.
9. REFER TO SHEETS 9.02 AND 9.03 FOR FLOOR PATTERNS.
10. REFER TO SHEET 11.01 FOR ACCESSIBLE SIGNAGE DETAILS.
11. INSULATION: PROVIDE INSULATION AS FOLLOWS,
    A. EXTERIOR STUD WALLS: R-13 THERMAL INSULATION
    B. INTERIOR STUD PARTITIONS: ACOUSTICAL INSULATION.
    C. ROOFS: R-19 THERMAL INSULATION.

LEGEND

- (E) 2 X WOOD STUD WALL
- 2X WOOD STUD WALL
- (E) 8 1/2" BRICK WALL TO REMAIN
- DOOR AND FRAME, PER DOOR SCHEDULE
- 30"x48" CLEAR FLOOR SPACE
- 60" DIA. CLEAR FLOOR SPACE
- EXIT SIGN - SEE ELECTRICAL DWGS
- FE FIRE EXTINGUISHER

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 2:49:41 PM

rev:	date:	description:

drawing title:

OVERALL FLOOR PLAN

drawing no.:

A1.0

FLOOR PLAN NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
3. DIMENSIONS ARE TO FACE OF STUD (U.N.O.).
4. NO CUTTING OR CORING OF (E) BRICK WALLS IS PERMITTED UNLESS EACH LOCATION IS SPECIFICALLY DETAILED IN THESE DOCUMENTS.
5. PATCH AND REPAIR CONCRETE SLABS AS REQUIRED.
6. FOR TYPICAL CASEWORK DETAILS REFER TO SHEET 6.01.
7. REFER TO SHEET 8.01 FOR DOOR AND WINDOW SCHEDULES.
8. REFER TO SHEET 9.01 FOR INTERIOR FINISHES, FLOOR FINISHES, AND COLOR SCHEDULE.
9. REFER TO SHEETS 9.02 AND 9.03 FOR FLOOR PATTERNS.
10. REFER TO SHEET 11.01 FOR ACCESSIBLE SIGNAGE DETAILS.
11. INSULATION: PROVIDE INSULATION AS FOLLOWS,
    A. EXTERIOR STUD WALLS: R-13 THERMAL INSULATION
    B. INTERIOR STUD PARTITIONS: ACOUSTICAL INSULATION.
    C. ROOFS: R-19 THERMAL INSULATION.

LEGEND

- (E) 2 X WOOD STUD WALL
- (E) 8 1/2" BRICK WALL
- 2X WOOD STUD WALL
- DOOR AND FRAME, PER DOOR SCHEDULE
- ELECTRICAL PANEL PER ELECTRICAL DRAWINGS
- XXX — DOOR REFERENCE, SEE DOOR SCHEDULE 8.01
- EXIT SIGN - SEE ELECTRICAL DWGS
- T — THERMOSTAT
- SS XX — WINDOW SYMBOL - SEE SHEET 8.50
- XX — WALL TYPE SYMBOL
- FE — FIRE EXTINGUISHER

KEYNOTES

NOTE:

1 SINK-UNDER COUNTER MOUNTED ACCESSIBLE SINK - SEE DETAIL 15/6.01
2 FURRED WALL ASSEMBLY - SEE DETAIL 7/4.01
3 FURRED WALL ASSEMBLY - SEE DETAIL 17/4.01
4 FIRE EXTINGUISHER
5 DOOR AND ALUMINUM STOREFRONT SYSTEM - SEE SHEET 8.20
6 2X4 WOOD STUD INFILL WITH ADHERED BRICK VENEER TO MATCH EXISTING
7 ELECTRICAL PANEL - SEE ELECTRICAL DWGS
8 THERMOSTAT - SEE MECHANICAL DWGS
10 BUILT-IN CASEWORK - SEE DETAIL 19/6.01
11 (E) 2 1/2" SQUARE TUBE COLUMNS TO REMAIN - PROTECT IN PLACE
12 POWDER COATED HSS 8.625 COLUMN WITH BRICK BASE. SEE STRUCTURAL DWGS
13 LOBBY DESK - SEE DETAIL 7/6.02
14 MARKERBOARD - SEE DETAIL 12/6.01
15 ALUMINUM HANDRAIL - SEEL DETAIL 14/A8.1
16 WOOD FRAMED STAGE - SEE 1/S4.1
17 WALL INFILL - SEE DETAIL 3/3.01
18 HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER. USE (E) HOLES IN WALL. RECONFIGURE (E) SHELVING AS REQUIRED TO INSTALLATION. SEE PLUMBING DRAWINGS. SEE DETAIL 7/2.05
19 WALL MOUNTED MOP SINK. REFER TO PLUMBING DRAWINGS
20 3D LETTERING SIGNAGE SEE 19/11.01
21 (E) WATER HEATER TO REMAIN
22 ICE MAKER O.F.C.I.
23 WALL MOUNTED SIGNAGE - SEE DETAIL 1/11.01
24 (E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE
25 UPPER AND LOWER BUILT IN CASEWORK - SEE DETAIL 19/6.01
26 PAINTED GYP. BD
27 FLOOR SINK - SEE PLUMBING DRAWINGS
28 3D LETTERING SIGNAGE - SEE DETAIL 18/11.01
29 CONCRETE PAVING, REFER TO CIVIL DRAWINGS
30 BRICK VENEER WALL - SEE DETAIL 3/A6.2
31 REFRIDGERATOR, O.F.O.I.
32 LINE OF CONCRETE SLAB INFILL
33 TUBE STEEL COLUMN, SEE STRUCTURAL

FLOOR PLAN - NORTH 1
SCALE : 1/4" = 1'-0"

0' 1' 2' 4' 8'

NORTH

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1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

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IBP project number: 21206.00
file name:
drawn by: Author checked by: D.F.
date: 02.28.2025 3/4/2025 11:45:12 AM

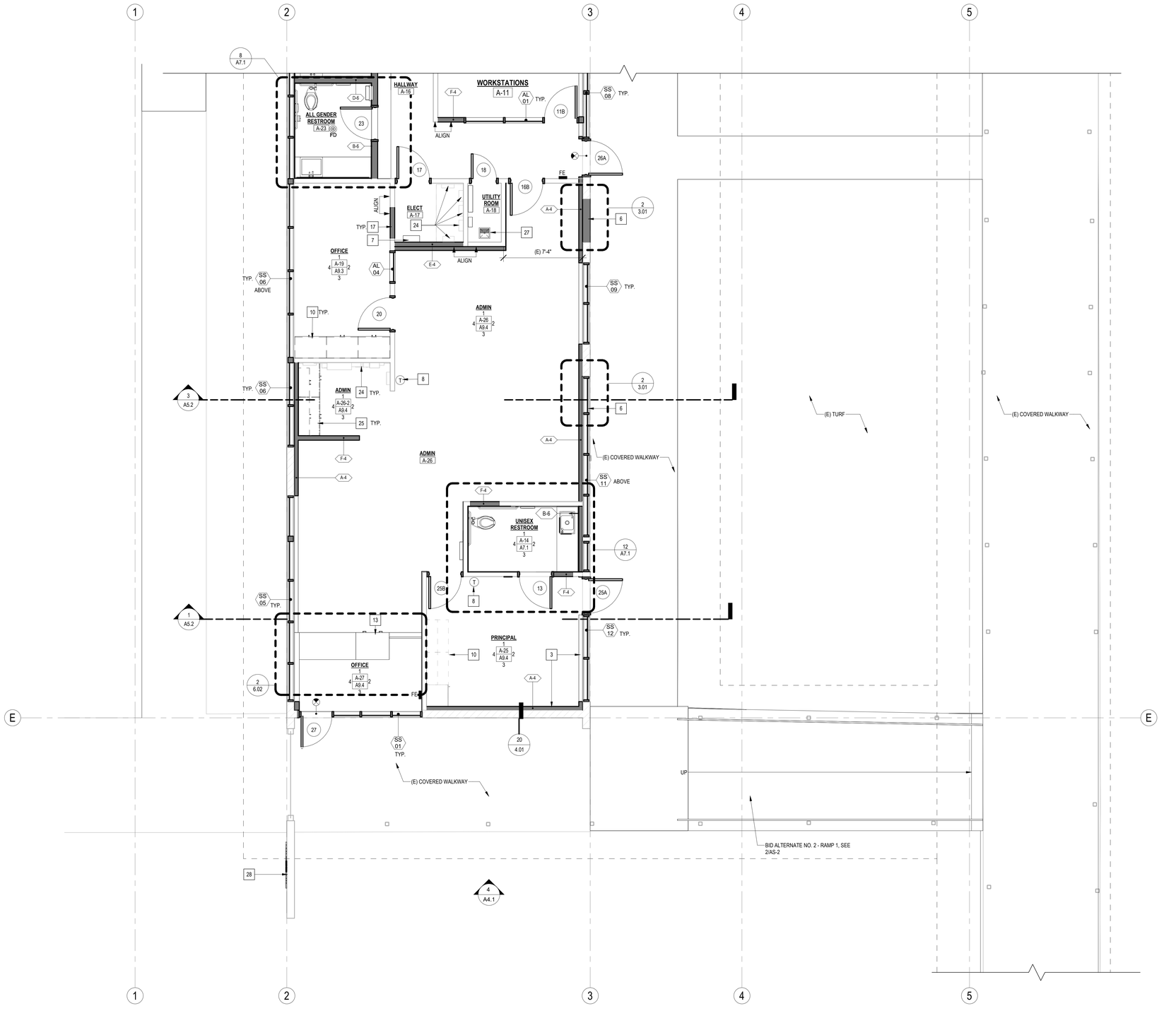
rev:	date:	description:

drawing title:

FLOOR PLAN - NORTH

drawing no.:

A1.1



FLOOR PLAN - SOUTH

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

0' 1' 2' 4' 8'

NORTH

GENERAL NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. DIMENSIONS ARE TO FACE OF STUD (U.N.O.).
3. FIELD VERIFY EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
4. REFER TO SHEET 8.01 FOR DOOR AND WINDOW SCHEDULES.
5. REFER TO SHEET 9.01 FOR INTERIOR FINISH AND COLOR SCHEDULE.
6. REFER TO SHEET 9.02 FOR FLOOR FINISH PLAN.
7. REFER TO SHEET 11.01 FOR ACCESSIBLE SIGNAGE PLAN AND DETAILS.
8. PATCH AND REPAIR CONCRETE AS REQUIRED.
9. PROVIDE FLOORING PER FINISH SCHEDULE PER SHEET A9.01 AND FLOOR PATTERN PLAN SHEETS A9.02 & A9.03.

LEGEND

- (E) 2 X WOOD STUD WALL
- (E) 8 1/2" BRICK WALL
- 2X WOOD STUD WALL
- DOOR AND FRAME, PER DOOR SCHEDULE
- ELECTRICAL PANEL PER ELECTRICAL DRAWINGS
- XXX — DOOR REFERENCE, SEE DOOR SCHEDULE 8.01
- EXIT SIGN - SEE ELECTRICAL DWGS
- T — THERMOSTAT
- SS XX — WINDOW SYMBOL - SEE SHEET 8.50
- XX — WALL TYPE SYMBOL
- FE — FIRE EXTINGUISHER

KEYNOTES

— NOTE:

1 SINK-UNDER COUNTER MOUNTED ACCESSIBLE SINK - SEE DETAIL 15/6.01
2 FURRED WALL ASSEMBLY - SEE DETAIL 7/4.01
3 FURRED WALL ASSEMBLY - SEE DETAIL 17/4.01
4 FIRE EXTINGUISHER
5 DOOR AND ALUMINUM STOREFRONT SYSTEM - SEE SHEET 8.20
6 2X4 WOOD STUD INFILL WITH ADHERED BRICK VENEER TO MATCH EXISTING
7 ELECTRICAL PANEL - SEE ELECTRICAL DWGS
8 THERMOSTAT - SEE MECHANICAL DWGS
10 BUILT-IN CASEWORK - SEE DETAIL 19/6.01
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12 POWDER COATED HSS 8.625 COLUMN WITH BRICK BASE. SEE STRUCTURAL DWGS
13 LOBBY DESK - SEE DETAIL 7/6.02
14 MARKERBOARD - SEE DETAIL 12/6.01
15 ALUMINUM HANDRAIL - SEEL DETAIL 14/A8.1
16 WOOD FRAMED STAGE - SEE 1/S4.1
17 WALL INFILL - SEE DETAIL 3/3.01
18 HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER. USE (E) HOLES IN WALL. RECONFIGURE (E) SHELVING AS REQUIRED TO INSTALLATION. SEE PLUMBING DRAWINGS. SEE DETAIL 7/2.05
19 WALL MOUNTED MOP SINK. REFER TO PLUMBING DRAWINGS
20 3D LETTERING SIGNAGE SEE 19/11.01
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27 FLOOR SINK - SEE PLUMBING DRAWINGS
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29 CONCRETE PAVING, REFER TO CIVIL DRAWINGS
30 BRICK VENEER WALL - SEE DETAIL 3/A6.2
31 REFRIDGERATOR, O.F.O.I.
32 LINE OF CONCRETE SLAB INFILL
33 TUBE STEEL COLUMN, SEE STRUCTURAL

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drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 2:51:30 PM

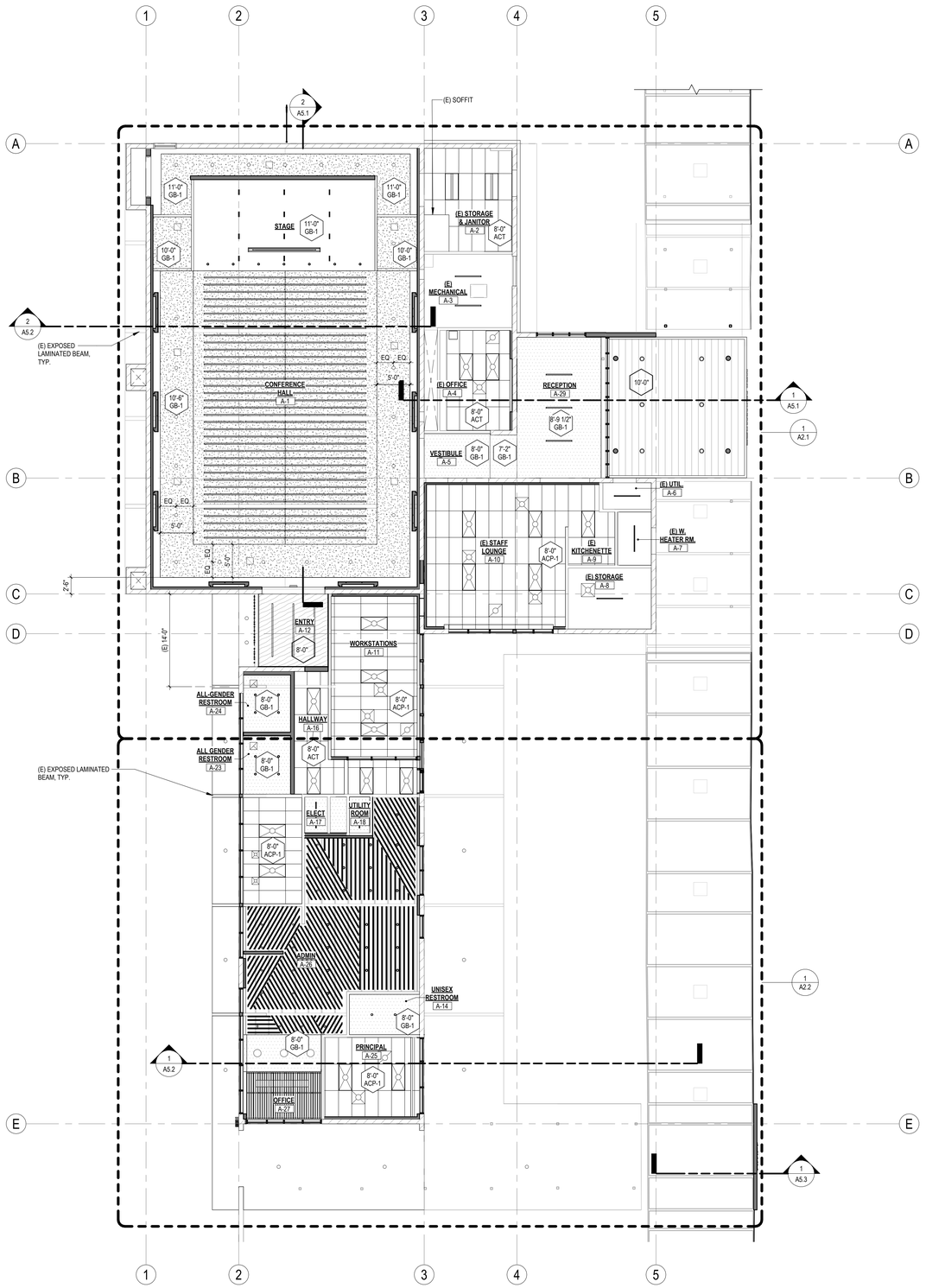
rev:	date:	description:

drawing title:

FLOOR PLAN - SOUTH

drawing no.:

A1.2



OVERALL REFLECTED CEILING PLAN

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

0' 2' 4' 8' 16'

NORTH

NOTES

1. EXISTING CEILINGS AT UNDERSIDE OF EXISTING ROOF FRAMING U.N.O.
2. REMOVE (E) STRIPPING REQUIRED FOR INSTALLATION OF ROOF INSULATION, V.I.F.

LEGEND

- (E) FRAMED WALL
- FRAMED WALL
- 12'-0" ACP-X — CEILING TAG: HEIGHT A.F.F. CEILING TYPE
- ACP-1: 2'x4' SUSPENDED ACOUSTIC TILE CEILING (19 / 5.01)
- WOOD PANEL CEILING (14 / 5.02)
- (E) PLASTER CEILING
- GYP. BOARD CEILING (14 / 5.02)
- 1' x 4' LINEAR FIXTURE - SEE ELEC. DRAWINGS (1 / 5.01)
- DOWNLIGHT - SEE ELEC. DRAWINGS.
- CEILING MOUNTED PROJECTION SCREEN - SEE TECH. DRAWINGS (10 / 5.02)
- ACOUSTIC UNLIT BAFFLES
- ACCESS PANEL
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST AIR GRILLE

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 11:16:57 AM

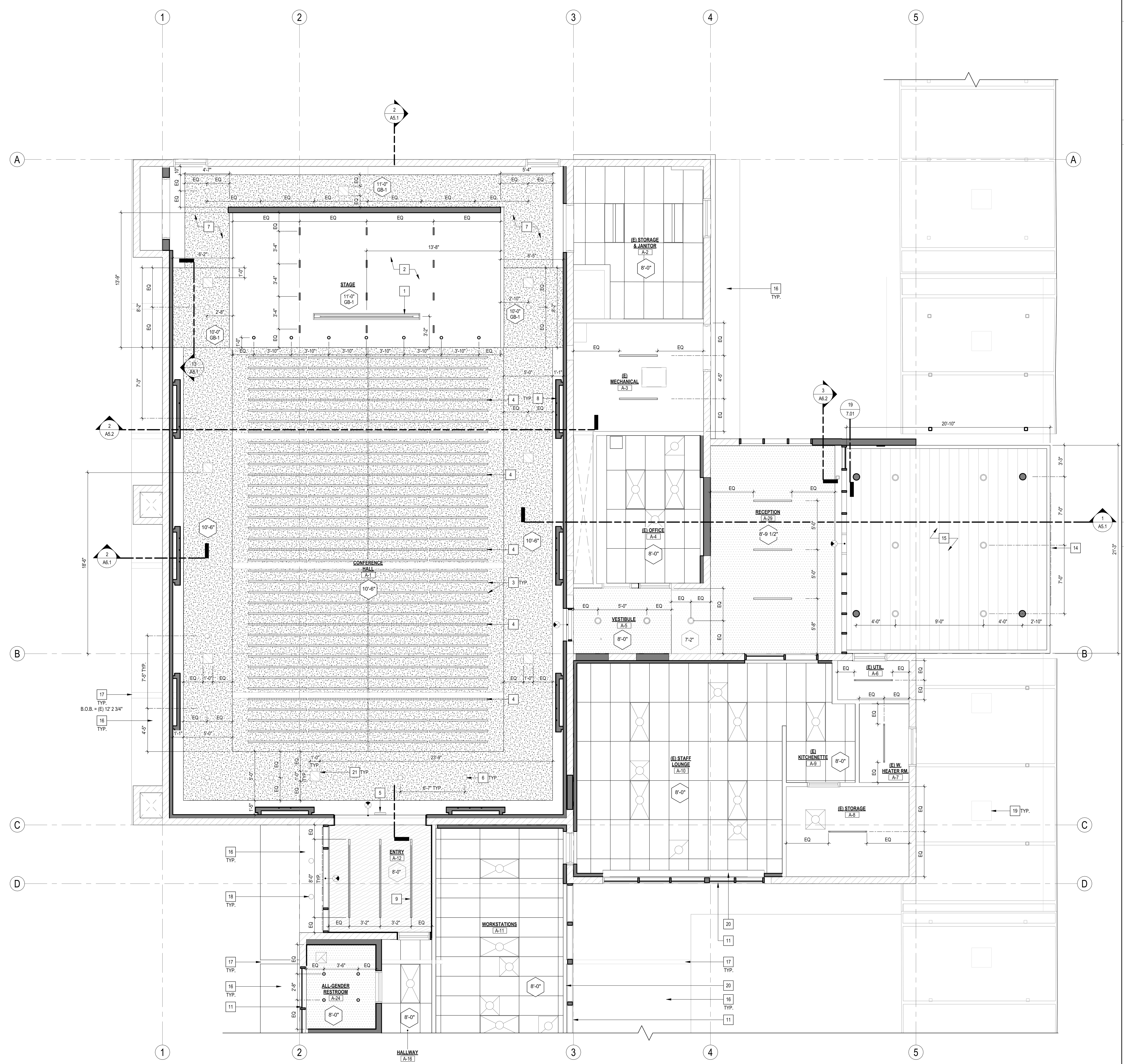
rev:	date:	description:

drawing title:

OVERALL REFLECTED CEILING PLAN

drawing no.:

A2.0



REFLECTED CEILING PLAN - NORTH (1)
SCALE : 1/4" = 1'-0"

0' 1' 2' 4' 8'

NORTH

GENERAL NOTES

1. MECHANICAL REGISTERS, GRILLES, EXTERIOR LOUVERS, AND ELECTRICAL FIXTURES ARE SHOWN FOR LOCATION PURPOSES ONLY. VERIFY QUANTITY AND SIZES WITH MECHANICAL AND ELECTRICAL DRAWINGS. VERIFY LOCATIONS OF CEILING ACCESS PANELS.
2. SEE DETAIL SHEETS 5.01 AND 5.02 FOR DETAILS OF CEILING SYSTEMS, SOFFITS AND NOTES.
3. SEE DETAIL SHEET 9.01 FOR CEILING TYPES, FINISHES AND HEIGHTS NOT SHOWN ON THIS SHEET.
4. ACCESS PANELS REQUIRED PER MECHANICAL AND ELECTRICAL DRAWINGS, AND CBC 1209.3
5. ALL CEILINGS GRIDS SHALL BE CENTERED IN EACH SPACE, U.N.O.
6. ATTIC SPACES DO NOT EXCEED 3,000 SF AND DO NOT REQUIRE ADDITIONAL DRAFTSTOPS.

LEGEND

- CEILING TAG: HEIGHT A.F.F., CEILING TYPE (12'-0" ACP-X)
- ACP-1: 2'x4' SUSPENDED ACOUSTIC TILE CEILING (4/5.01)
- WOOD PANEL CEILING (14/5.02)
- (E) PLASTER CEILING
- GYPSUM BOARD CEILING (14/5.02)
- FRAMED GYP. BOARD CEILING (4/5.02) (5/S1.3)
- 1' x 4' LINEAR FIXTURE - SEE ELECTRICAL DRAWINGS (1/5.01)
- DOWNLIGHT - SEE ELECTRICAL DRAWINGS
- LINEAR BAFFLE ASSEMBLY
- ACCESS PANEL, SEE (3/5.02)
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST AIR GRILLE
- EXIT SIGN

REMODEL KEYNOTES

[#] → NOTE:

1 65"H x 104"W PROJECTION SCREEN - SEE DETAIL 10/5.02
2 PAINTED GYPSUM BOARD STAGE CEILING
3 LINEAR BAFFLE ASSEMBLY, UNLIT BAFFLES - SEE ELECTRICAL DRAWINGS
4 LINEAR BAFFLE ASSEMBLY, INDIRECT LIGHTING - SEE ELECTRICAL DRAWINGS
5 CLOCK - SEE ELECTRICAL DRAWINGS
6 RECESSED LIGHTING - SEE ELECTRICAL DRAWINGS
7 FRAMED GYPSUM BOARD CEILING, SEE SHEET 5.02
8 DIRECT COVE LIGHT LIGHTING FIXTURE. SEE ELECTRICAL DRAWINGS
9 LINEAR LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
10 PENDANT LIGHT - SEE ELECTRICAL DRAWINGS
11 ALUMINUM CLERESTORY WINDOW - SEE SHEET 8.20
12 (E) LAMINATED ROOF BEAMS TO BE PAINTED
13 (E) RAFTERS ABOVE TO BE PAINTED
14 MOUNTED SIGNAGE - SEE DETAIL 15/7.01
15 METAL PANEL CEILING
16 (E) EXTERIOR CEMENT PLASTER TO BE PAINTED
17 (E) EXPOSED LAMINATED BEAM TO BE PAINTED
18 FIXTURE, SEE ELECTRICAL DRAWINGS
19 (E) LIGHTING TO REMAIN
20 ROLLER SHADE - SEE DETAIL 9/5.02
21 ACCESS PANEL
22 ALUMINUM COMPOSITE PANEL WITH SIGNAGE
23 (E) EXTERIOR CEMENT PLASTER CEILING TO REMAIN
24 (E) GUTTER AND EXPANSION JOINT TO REMAIN

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file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/3/2025 3:18:19 PM

rev:	date:	description:

drawing title:

REFLECTED CEILING PLAN - NORTH

drawing no.:

A2.1

GENERAL NOTES

1. MECHANICAL REGISTERS, GRILLES, EXTERIOR LOUVERS, AND ELECTRICAL FIXTURES ARE SHOWN FOR LOCATION PURPOSES ONLY. VERIFY QUANTITY AND SIZES WITH MECHANICAL AND ELECTRICAL DRAWINGS. VERIFY LOCATIONS OF CEILING ACCESS PANELS.
2. SEE DETAIL SHEETS 5.01 AND 5.02 FOR DETAILS OF CEILING SYSTEMS, SOFFITS AND NOTES.
3. SEE DETAIL SHEET 9.01 FOR CEILING TYPES, FINISHES AND HEIGHTS NOT SHOWN ON THIS SHEET.
4. ACCESS PANELS REQUIRED PER MECHANICAL AND ELECTRICAL DRAWINGS, AND CBC 1209.3
5. ALL CEILINGS GRIDS SHALL BE CENTERED IN EACH SPACE, U.N.O.
6. ATTIC SPACES DO NOT EXCEED 3,000 SF AND DO NOT REQUIRE ADDITIONAL DRAFTSTOPS.

LEGEND

- 12'-0" / ACP-X — CEILING TAG: HEIGHT A.F.F. / CEILING TYPE
- ACP-1: 2'x4' SUSPENDED ACOUSTIC TILE CEILING — 4 / 5.01
- WOOD PANEL CEILING — 14 / 5.02
- (E) PLASTER CEILING
- GYPSUM BOARD CEILING — 14 / 5.02
- FRAMED GYP. BOARD CEILING — 4 / 5.02, 5 / S1.3
- 1' x 4' LINEAR FIXTURE - SEE ELECTRICAL DRAWINGS — 1 / 5.01
- DOWNLIGHT - SEE ELECTRICAL DRAWINGS
- LINEAR BAFFLE ASSEMBLY
- ACCESS PANEL, SEE — 3 / 5.02
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST AIR GRILLE
- EXIT SIGN

REMODEL KEYNOTES

→ NOTE:

1 65"H x 104"W PROJECTION SCREEN - SEE DETAIL 10/5.02
2 PAINTED GYPSUM BOARD STAGE CEILING
3 LINEAR BAFFLE ASSEMBLY, UNLIT BAFFLES - SEE ELECTRICAL DRAWINGS
4 LINEAR BAFFLE ASSEMBLY, INDIRECT LIGHTING - SEE ELECTRICAL DRAWINGS
5 CLOCK - SEE ELECTRICAL DRAWINGS
6 RECESSED LIGHTING - SEE ELECTRICAL DRAWINGS
7 FRAMED GYPSUM BOARD CEILING, SEE SHEET 5.02
8 DIRECT COVE LIGHT LIGHTING FIXTURE. SEE ELECTRICAL DRAWINGS
9 LINEAR LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
10 PENDANT LIGHT - SEE ELECTRICAL DRAWINGS
11 ALUMINUM CLERESTORY WINDOW - SEE SHEET 8.20
12 (E) LAMINATED ROOF BEAMS TO BE PAINTED
13 (E) RAFTERS ABOVE TO BE PAINTED
14 MOUNTED SIGNAGE - SEE DETAIL 15/7.01
15 METAL PANEL CEILING
16 (E) EXTERIOR CEMENT PLASTER TO BE PAINTED
17 (E) EXPOSED LAMINATED BEAM TO BE PAINTED
18 FIXTURE, SEE ELECTRICAL DRAWINGS
19 (E) LIGHTING TO REMAIN
20 ROLLER SHADE - SEE DETAIL 9/5.02
21 ACCESS PANEL
22 ALUMINUM COMPOSITE PANEL WITH SIGNAGE
23 (E) EXTERIOR CEMENT PLASTER CEILING TO REMAIN
24 (E) GUTTER AND EXPANSION JOINT TO REMAIN

REFLECTED CEILING PLAN - SOUTH
SCALE : 1/4" = 1'-0"

0' 1' 2' 4' 8'

NORTH

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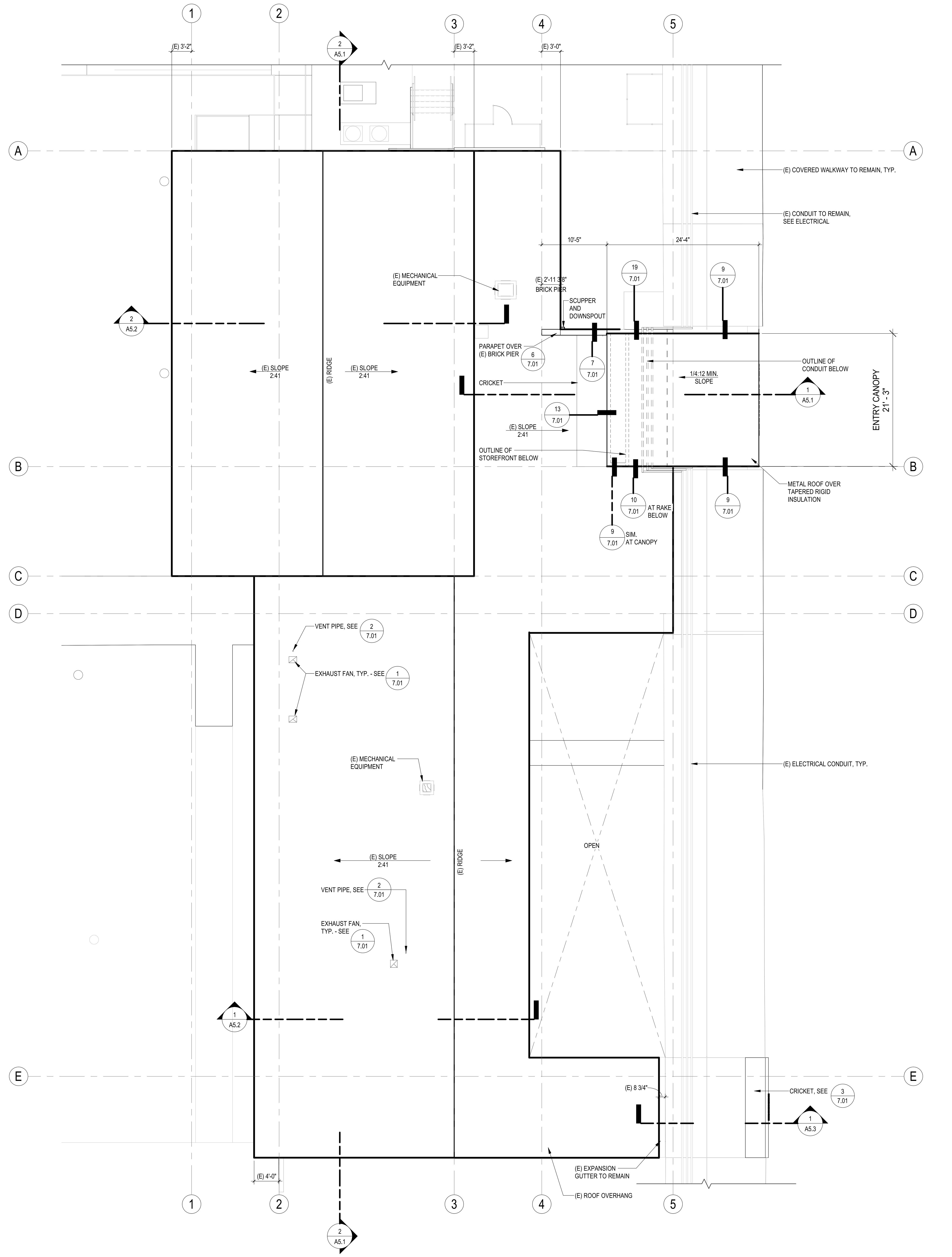
tBP project number: 21206.00
file name:
drawn by: Author checked by: D.F.
date: 02.28.2025 3/3/2025 3:31:55 PM

rev:	date:	description:

drawing title:
REFLECTED CEILING PLAN - SOUTH

drawing no.:
A2.2



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

GENERAL NOTES

1. REFER TO T-2 FOR GENERAL NOTES, ABBREVIATIONS, TYPICAL DRAFTING SYMBOLS.
2. PATCH (E) WATERPROOFING AND ROOFING SYSTEM AT ALL AREAS AFFECTED BY NEW AND REMOVED EQUIPMENT. MAINTAIN (E) CLASS 'A' ROOF REQUIREMENTS.
3. REPLACE 60% FACIA BOARD ON BOTH SIDES.
4. REFER TO MECHANICAL AND PLUMBING DRAWING FOR LOCATION OF EQUIPMENT.

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 3/4/2025 11:41:09 AM

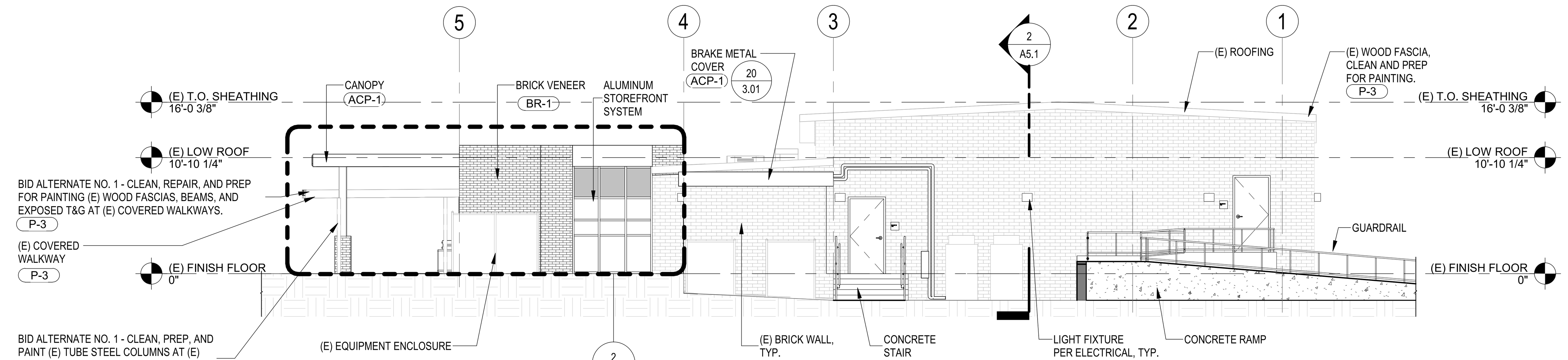
rev:	date:	description:

drawing title:

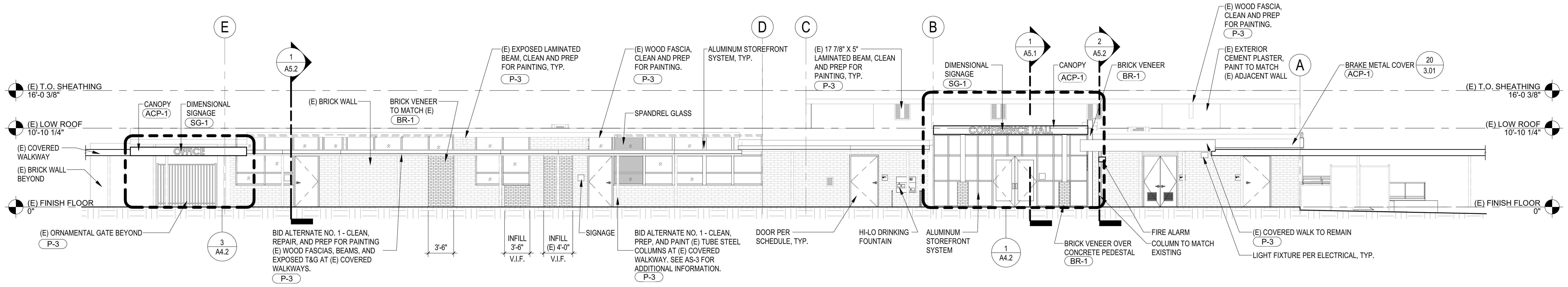
ROOF PLAN

drawing no.:

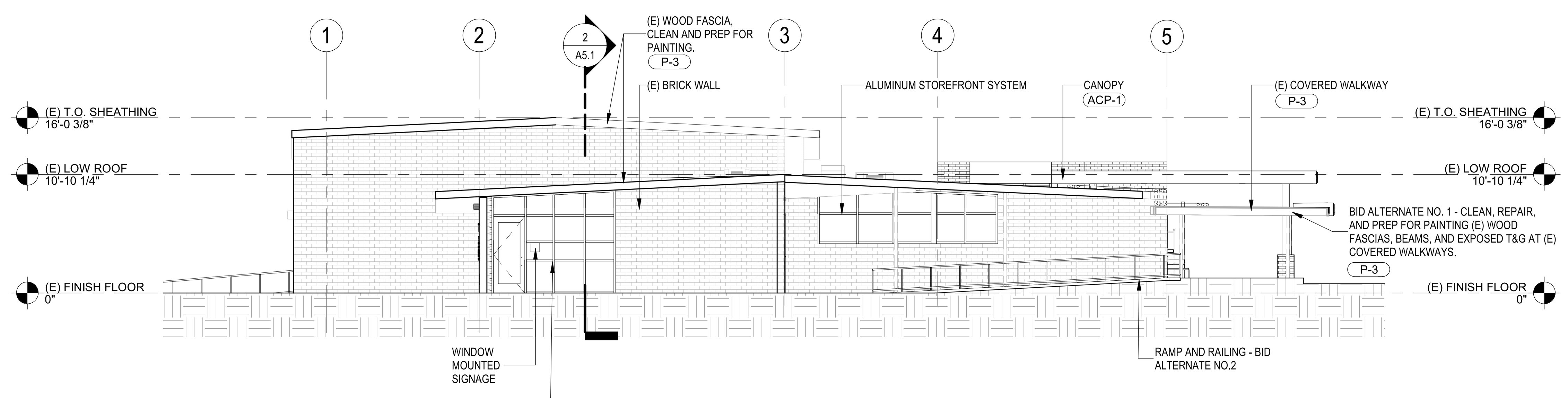
A3.1



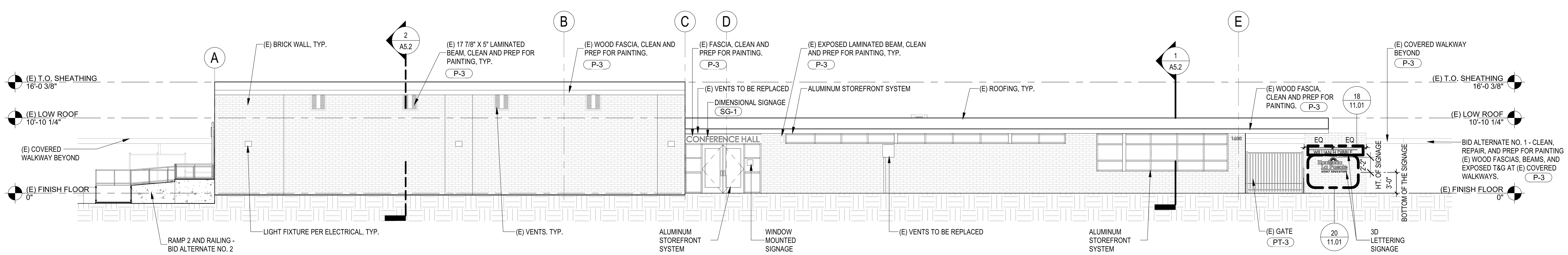
EXTERIOR ELEVATION - NORTH 3
SCALE : 1/8" = 1'-0"



EXTERIOR ELEVATION - EAST 2
SCALE : 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 4
SCALE : 1/8" = 1'-0"



EXTERIOR ELEVATION - WEST 1
SCALE : 1/8" = 1'-0"

GENERAL NOTES

1. PAINT ALL PLASTER SURFACES - TO MATCH EXISTING
2. PAINT EXPOSED WOOD FASCIAS AND TRIMS.
3. PROVIDE BRAKE METAL COVER AT (E) AND NEW EXPOSED SURFACE MOUNTED PIPING. 20/3.01
4. PAINT EXISTING CANOPIES
5. REPLACE (E) VENT

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file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 10:58:33 AM

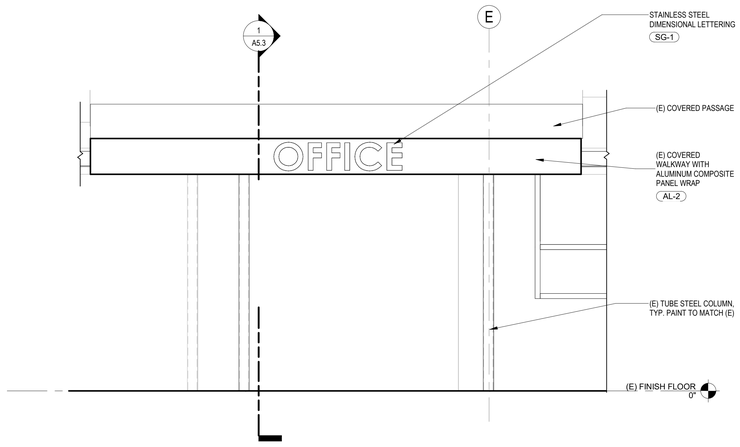
rev:	date:	description:

drawing title:

EXTERIOR ELEVATIONS

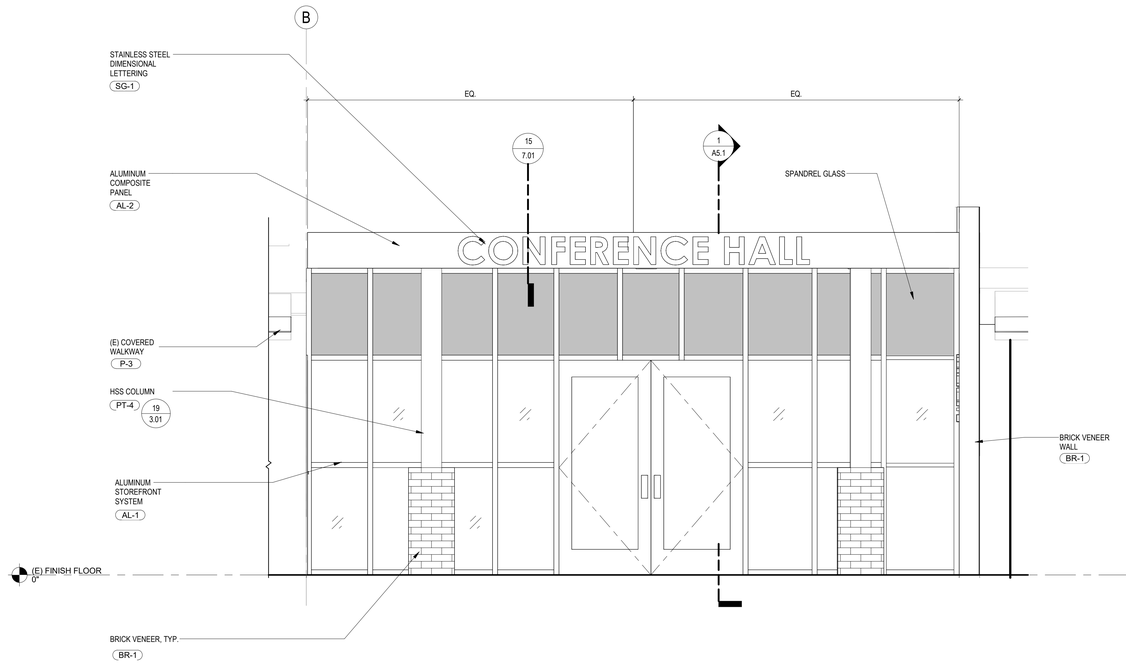
drawing no.:

A4.1



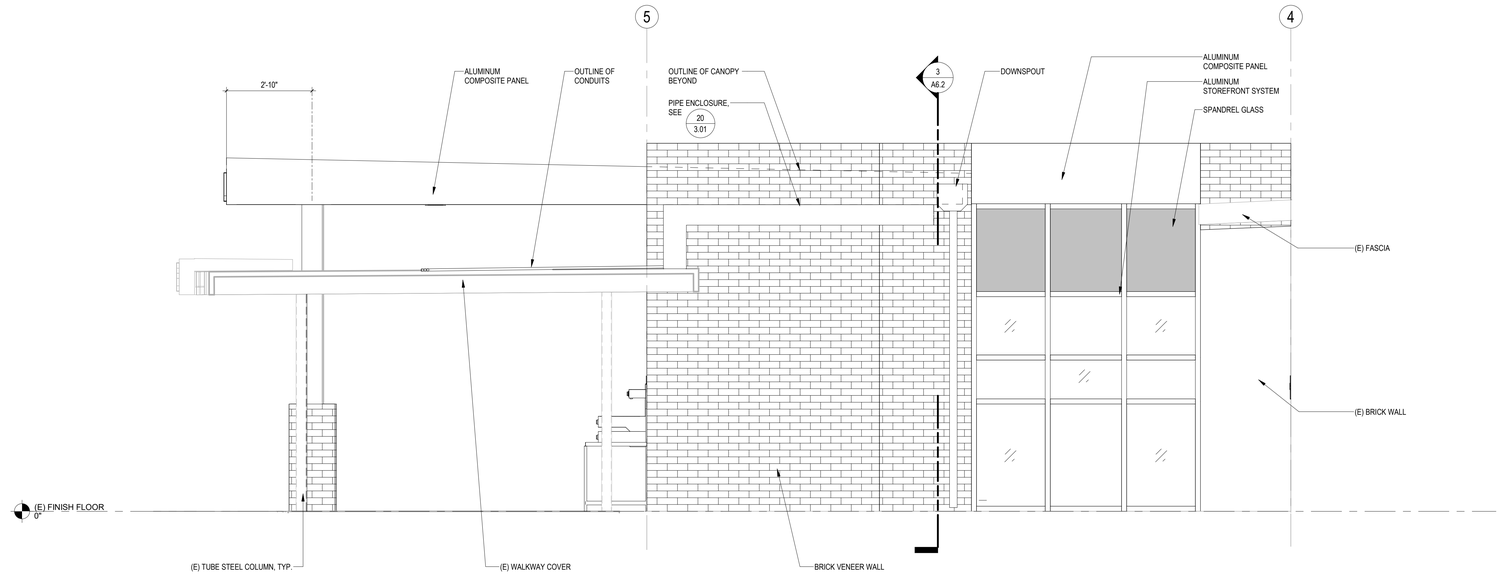
ENLARGED EXTERIOR ELEVATION AT OFFICE ENTRANCE 3

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



ENLARGED EXTERIOR ELEVATION AT METAL CANOPY - WEST 1

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



ENLARGED EXTERIOR ELEVATION AT METAL CANOPY - NORTH 2

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

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/27/2025 4:47:55 PM

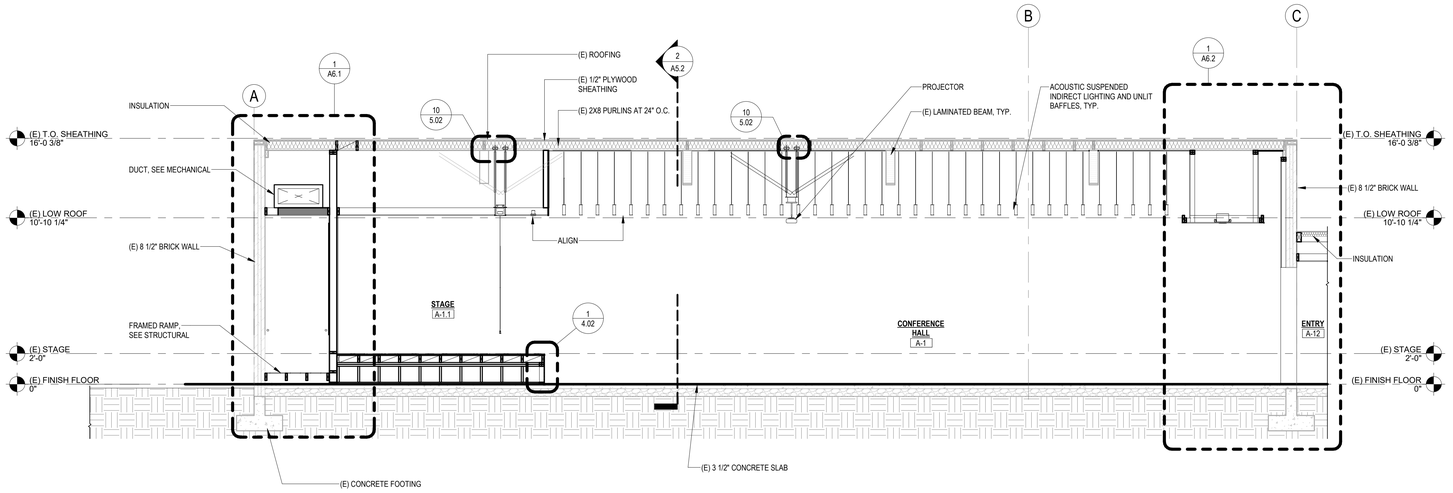
rev:	date:	description:

drawing title:

ENLARGED EXTERIOR ELEVATIONS

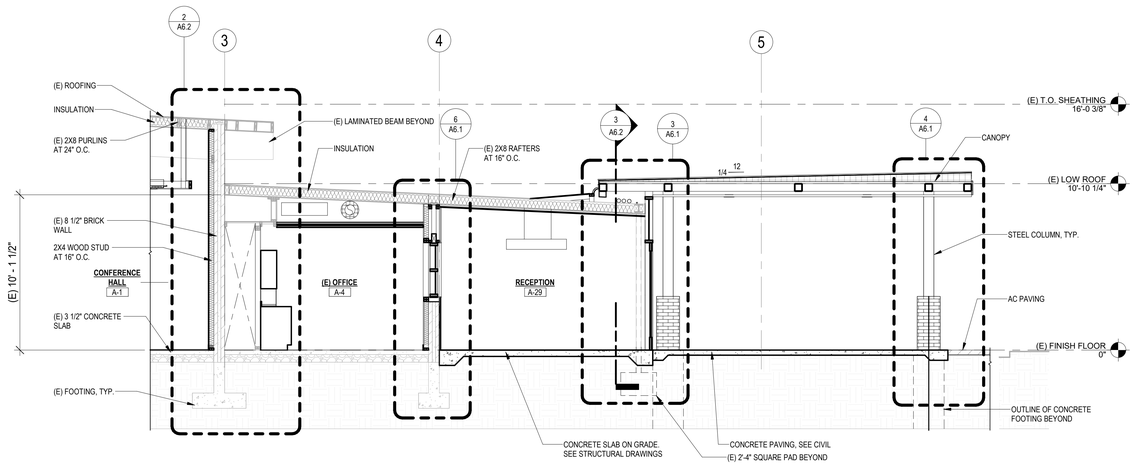
drawing no.:

A4.2



BUILDING SECTION, NORTH-SOUTH AT CONFERENCE HALL 2

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



BUILDING SECTION AT RECEPTION A-29 AND METAL CANOPY 1

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

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date: 02.28.2025 2/28/2025 10:20:06 AM

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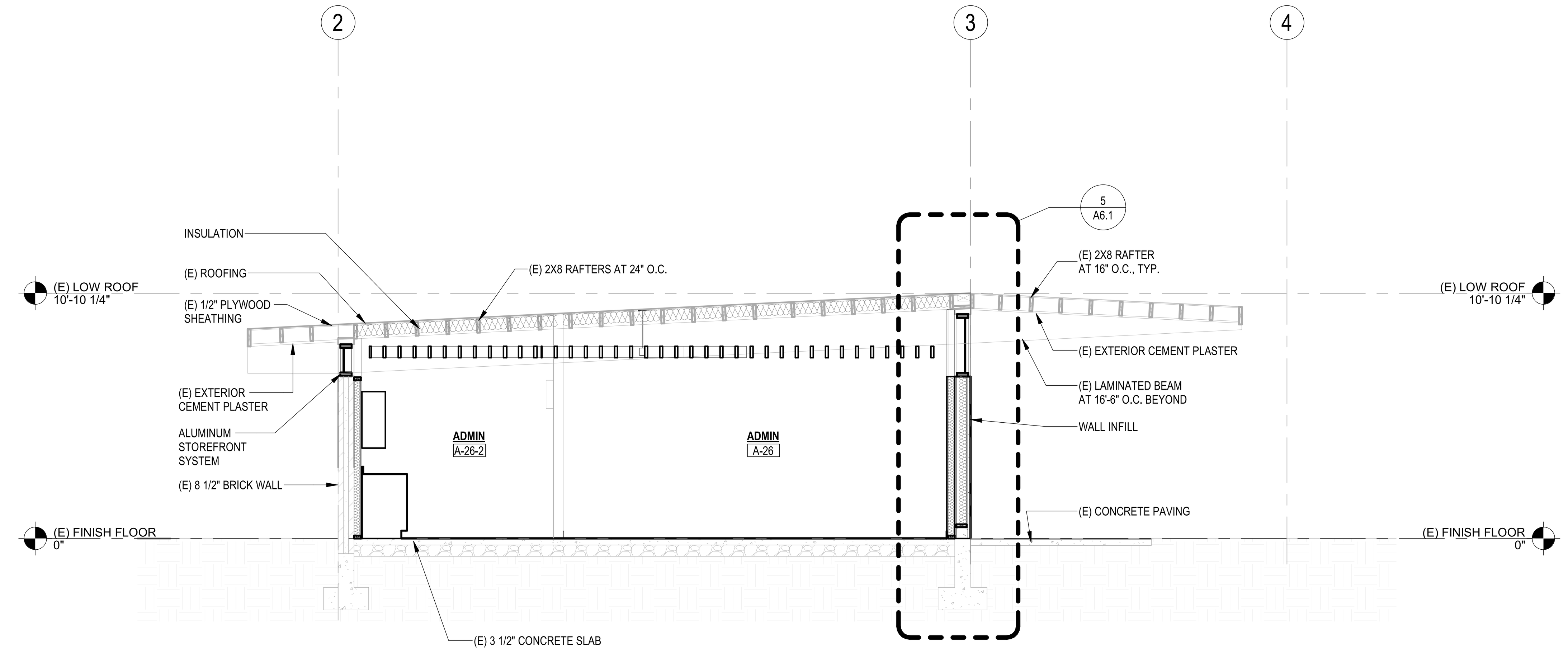
drawing title:

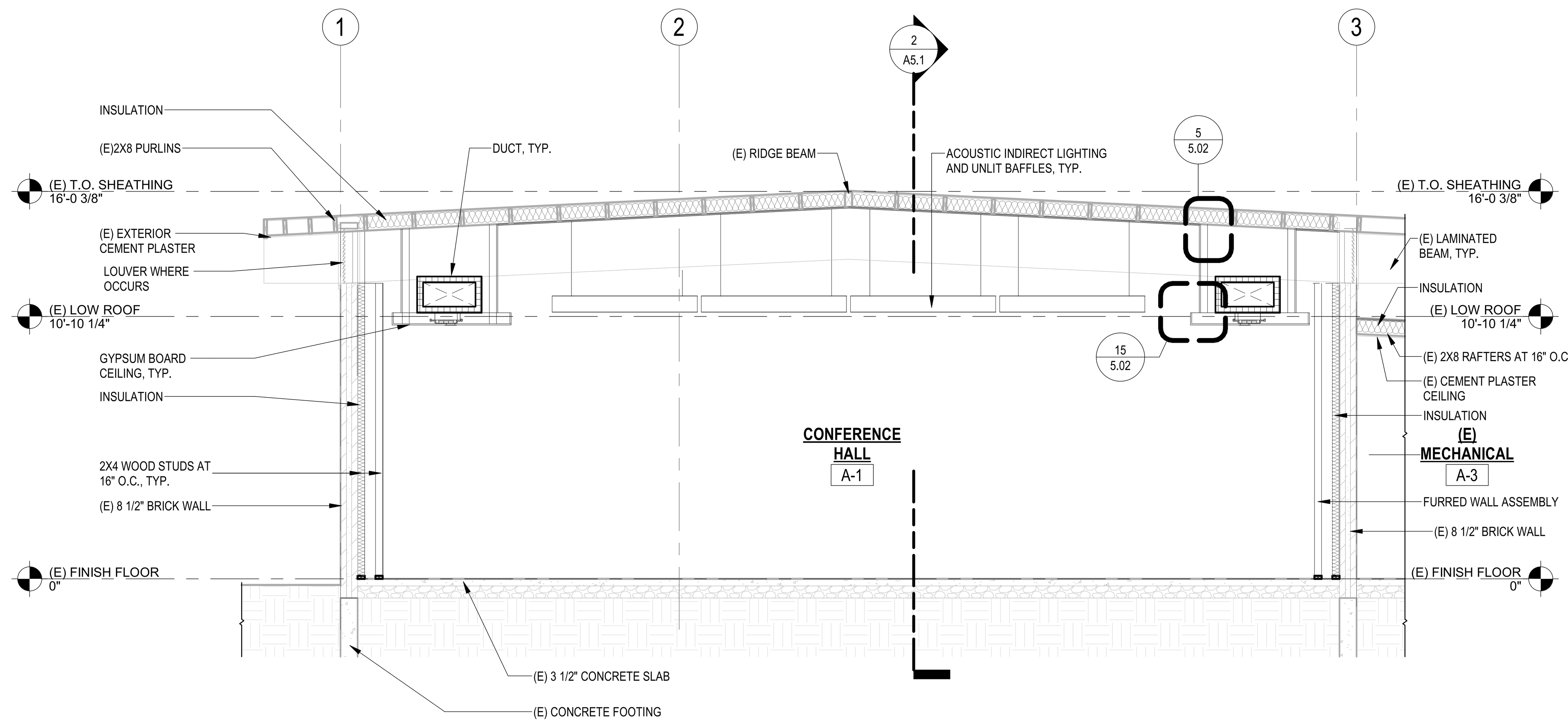
BUIDING SECTIONS

drawing no.:

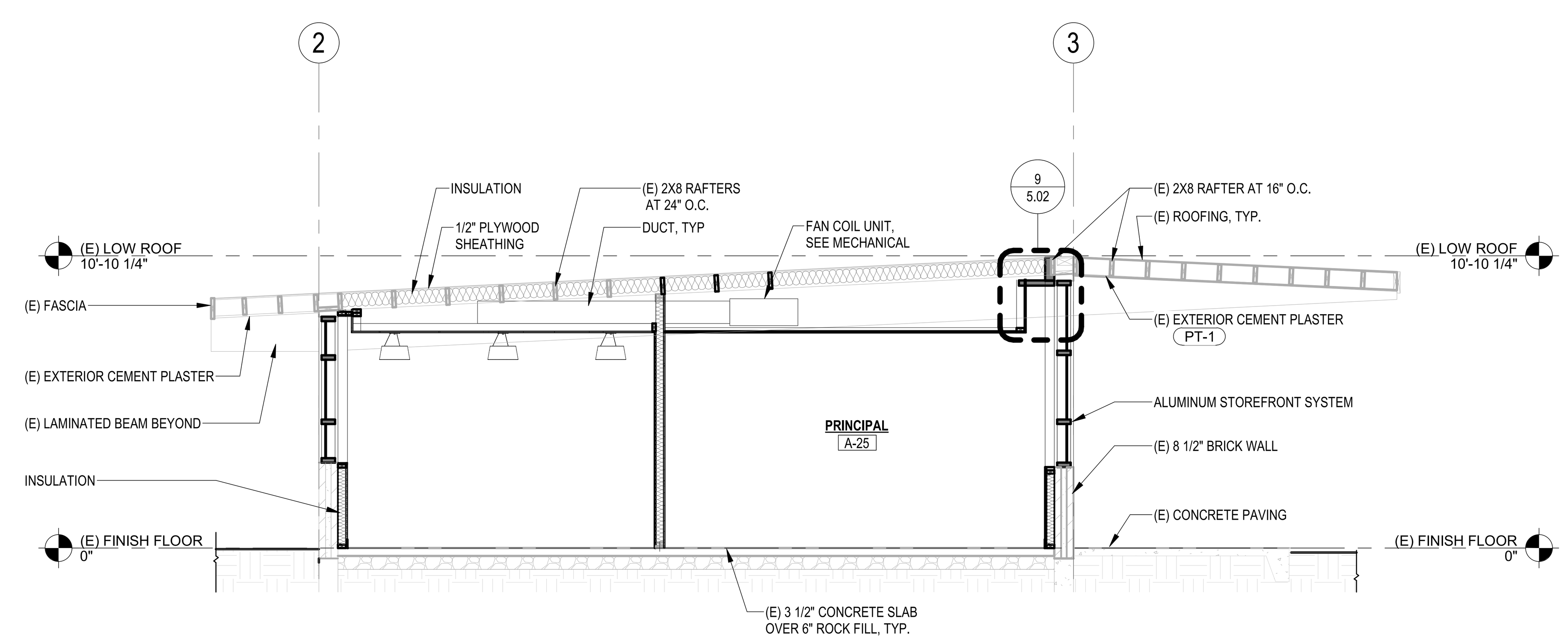
A5.1



BUILDING SECTION AT ADMIN 3
SCALE : 1/4" = 1'-0"



BUILDING SECTION AT CONFERENCE HALL 2
SCALE : 1/4" = 1'-0"



BUILDING SECTION AT RECEPTION / PRINCIPAL 1
SCALE : 1/4" = 1'-0"

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HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

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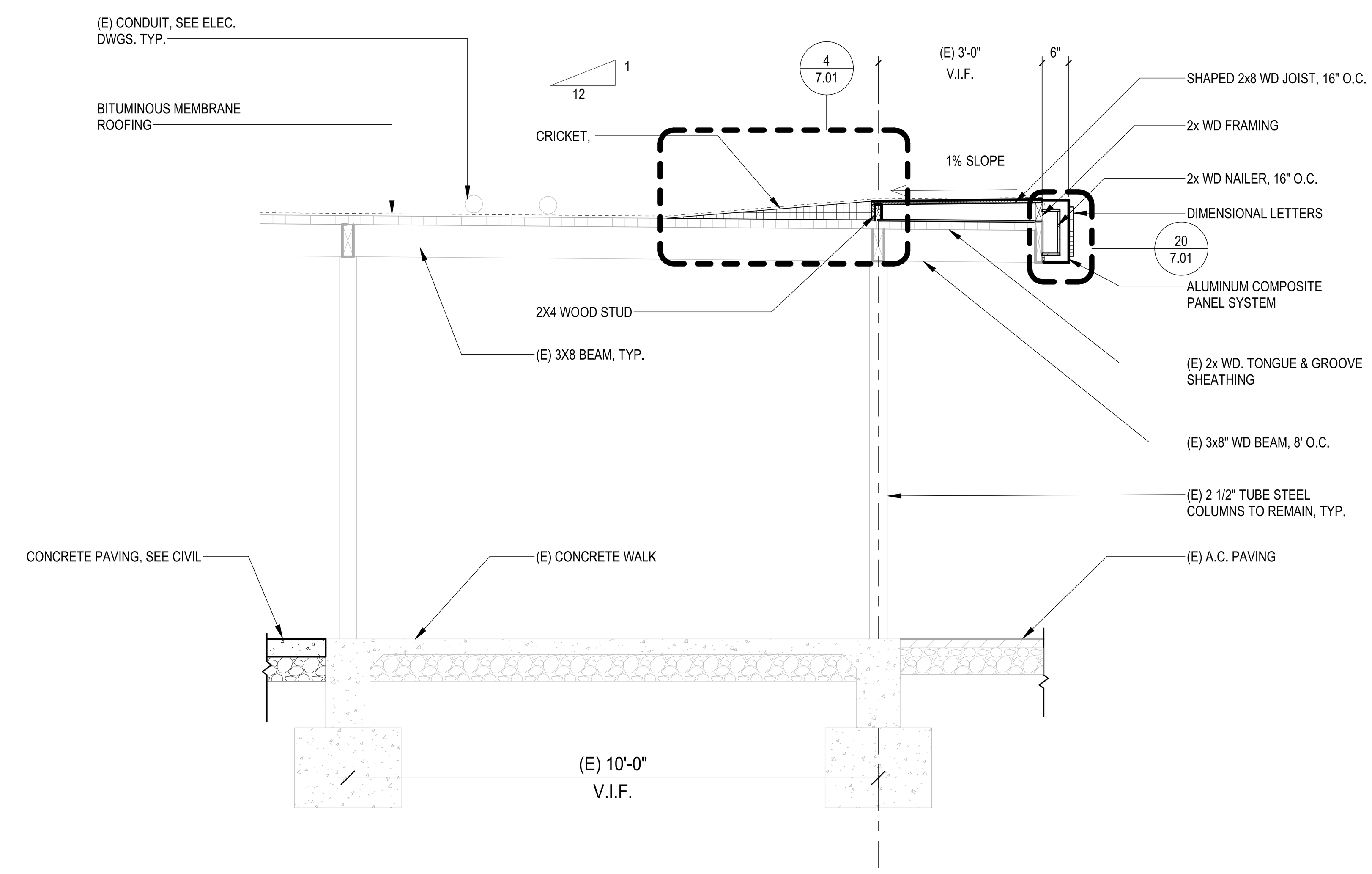
drawing title:
BUILDING SECTIONS

drawing no.:
A5.2



SECTION AT (E) COVERED WALKWAY (1)

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

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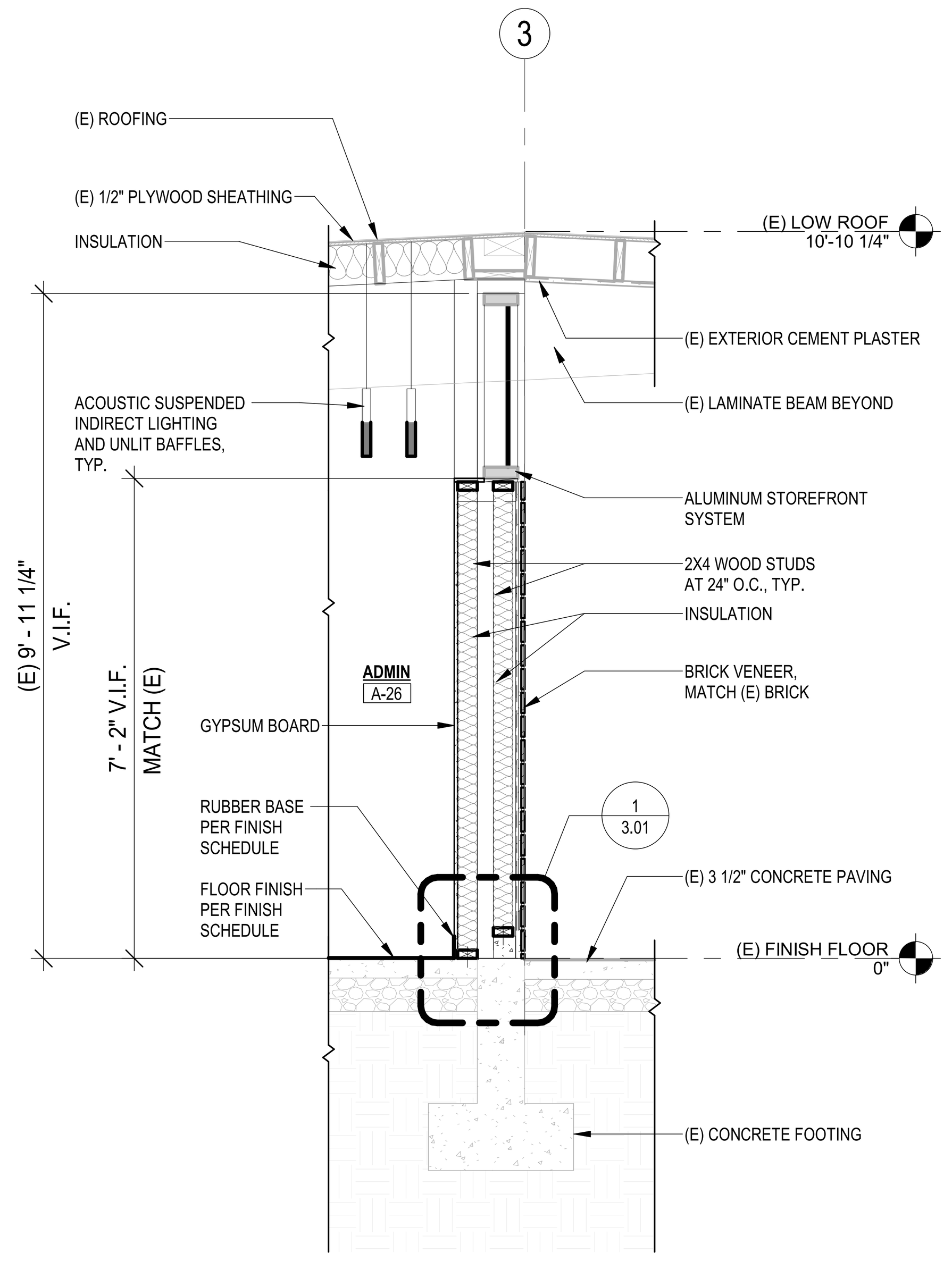
drawing title:

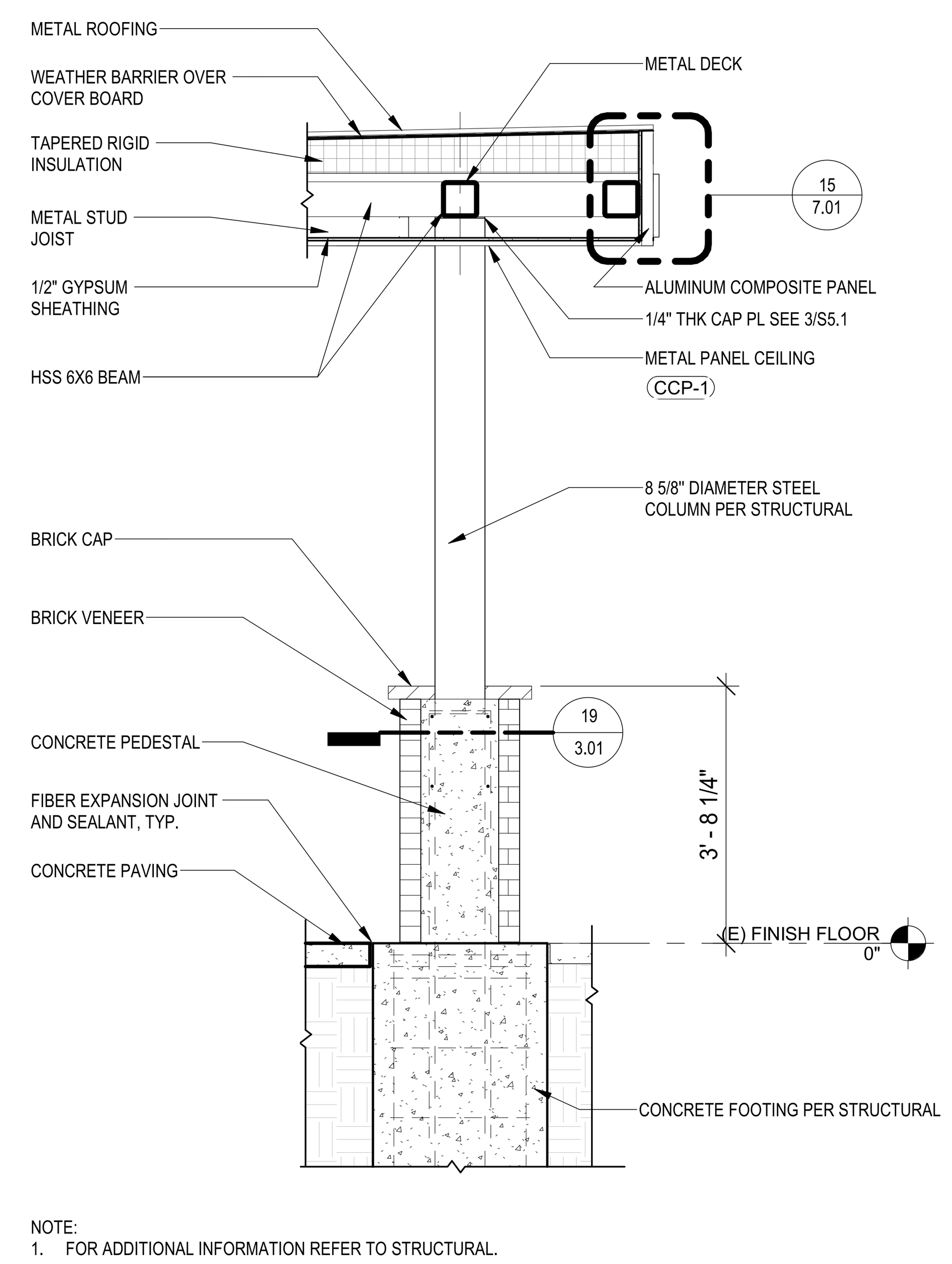
BUILDING SECTIONS

drawing no.:

A5.3

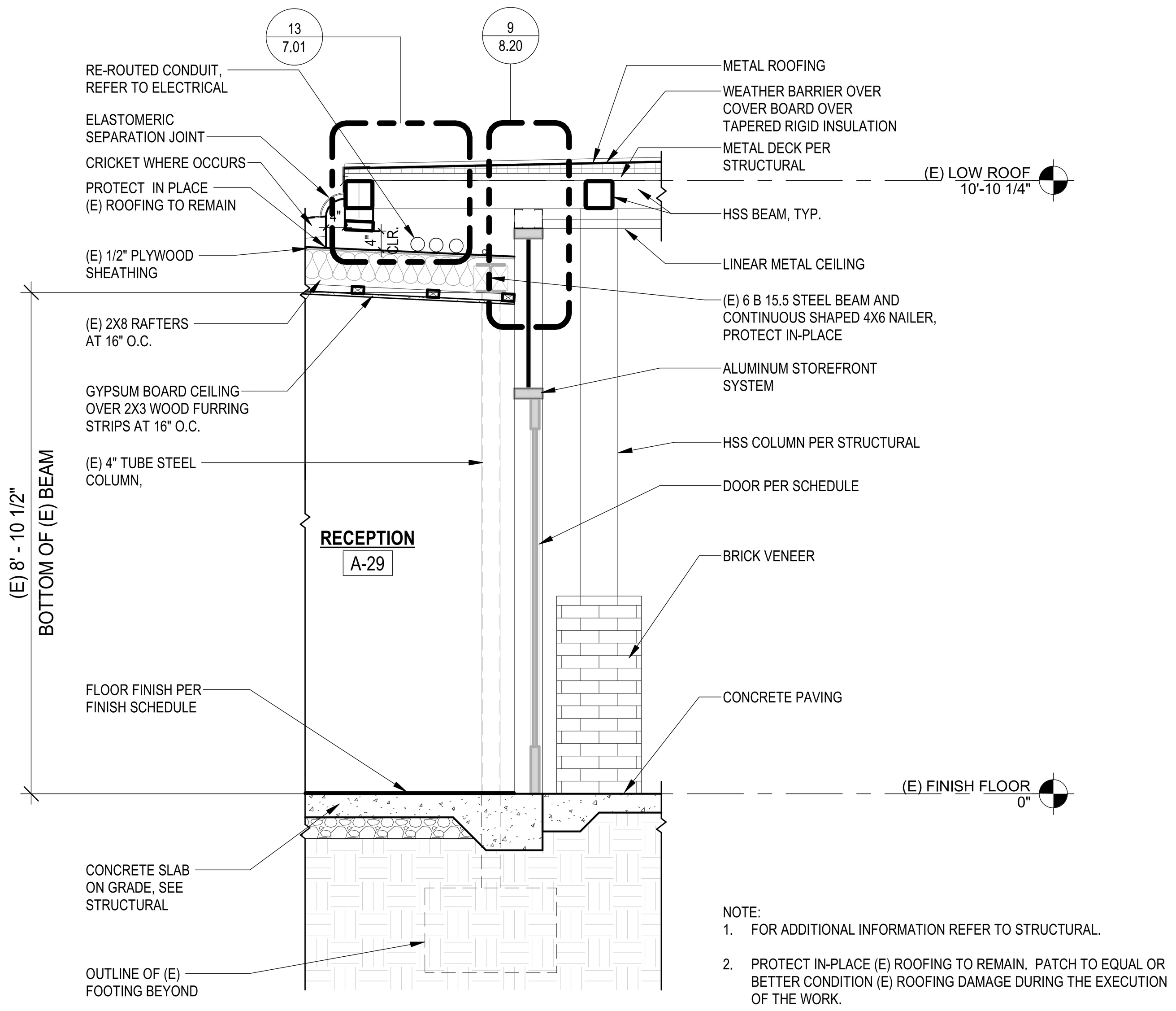


WALL SECTION AT A-26 GRID LINE 3 5
SCALE : 1/2" = 1'-0"



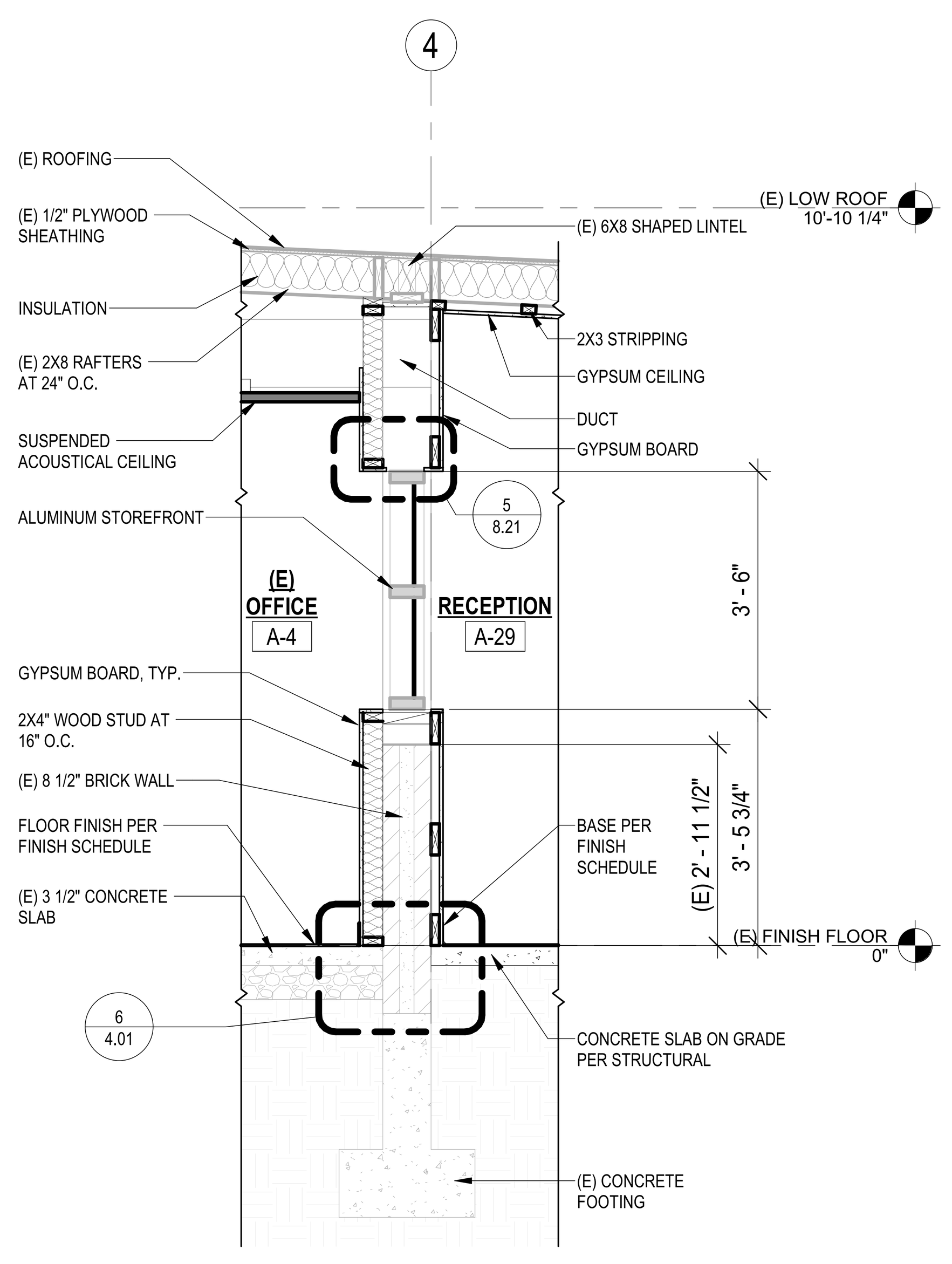
NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

COLUMN SECTION AT ENTRY CANOPY 4
SCALE : 1/2" = 1'-0"

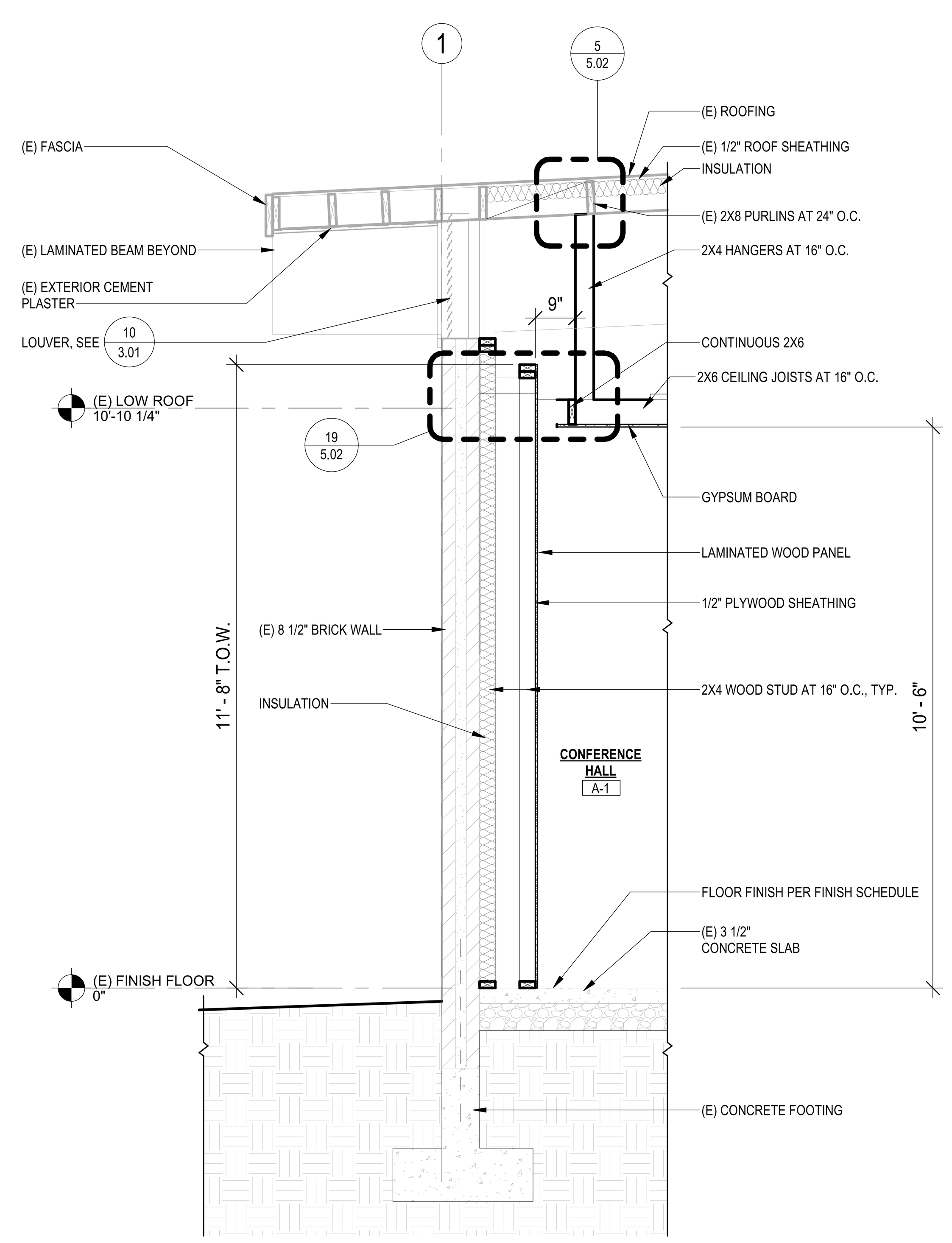


NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.
2. PROTECT IN-PLACE (E) ROOFING TO REMAIN. PATCH TO EQUAL OR BETTER CONDITION (E) ROOFING DAMAGE DURING THE EXECUTION OF THE WORK.

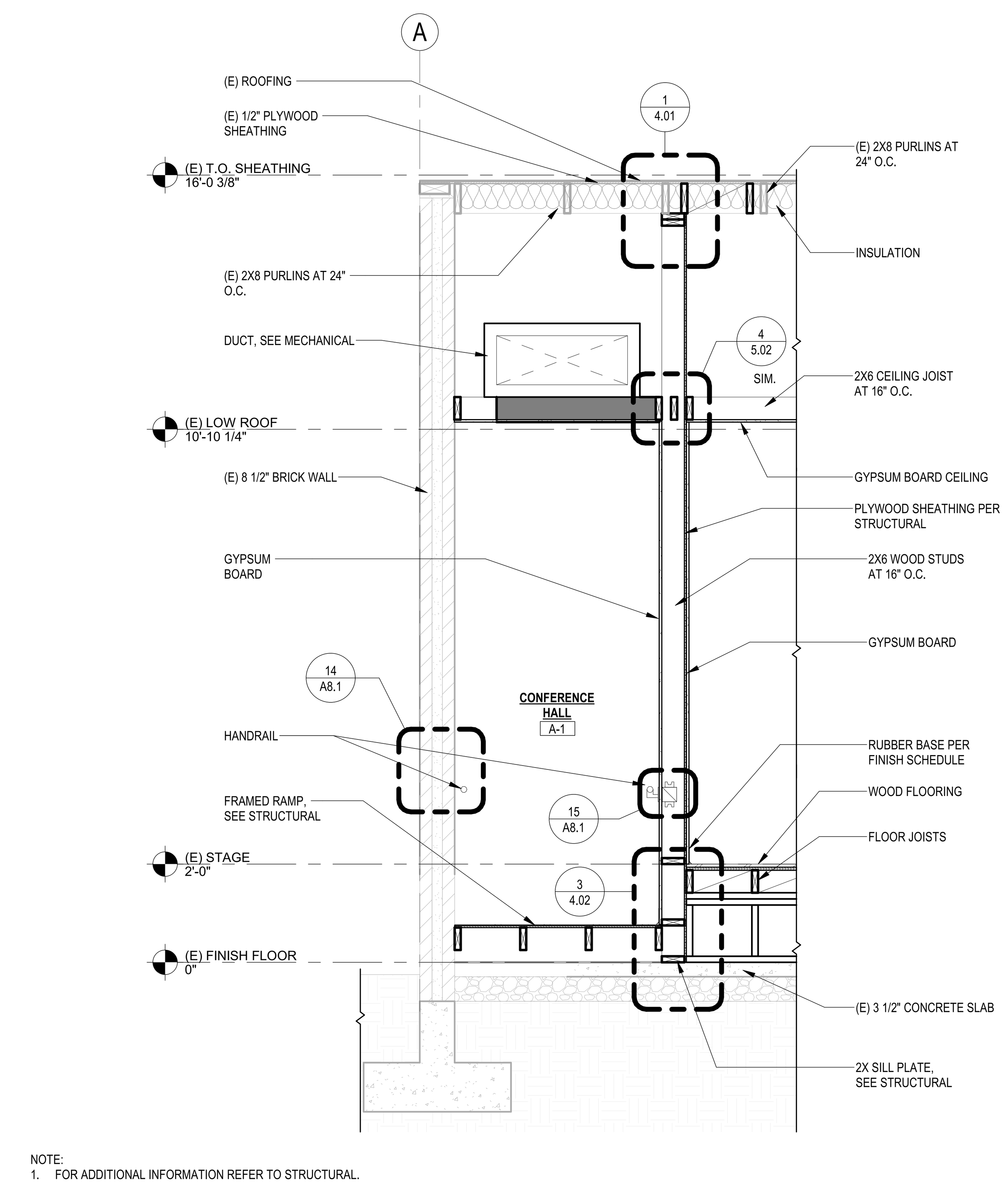
WALL SECTION AT RECEPTION A-29 3
SCALE : 1/2" = 1'-0"



WALL SECTION AT OFFICE A-4 6
SCALE : 1/2" = 1'-0"



WALL SECTION AT FURRED WALL ASSEMBLY 2
SCALE : 1/2" = 1'-0"



NOTE:
1. FOR ADDITIONAL INFORMATION REFER TO STRUCTURAL.

SECTION AT STAGE 1
SCALE : 1/2" = 1'-0"

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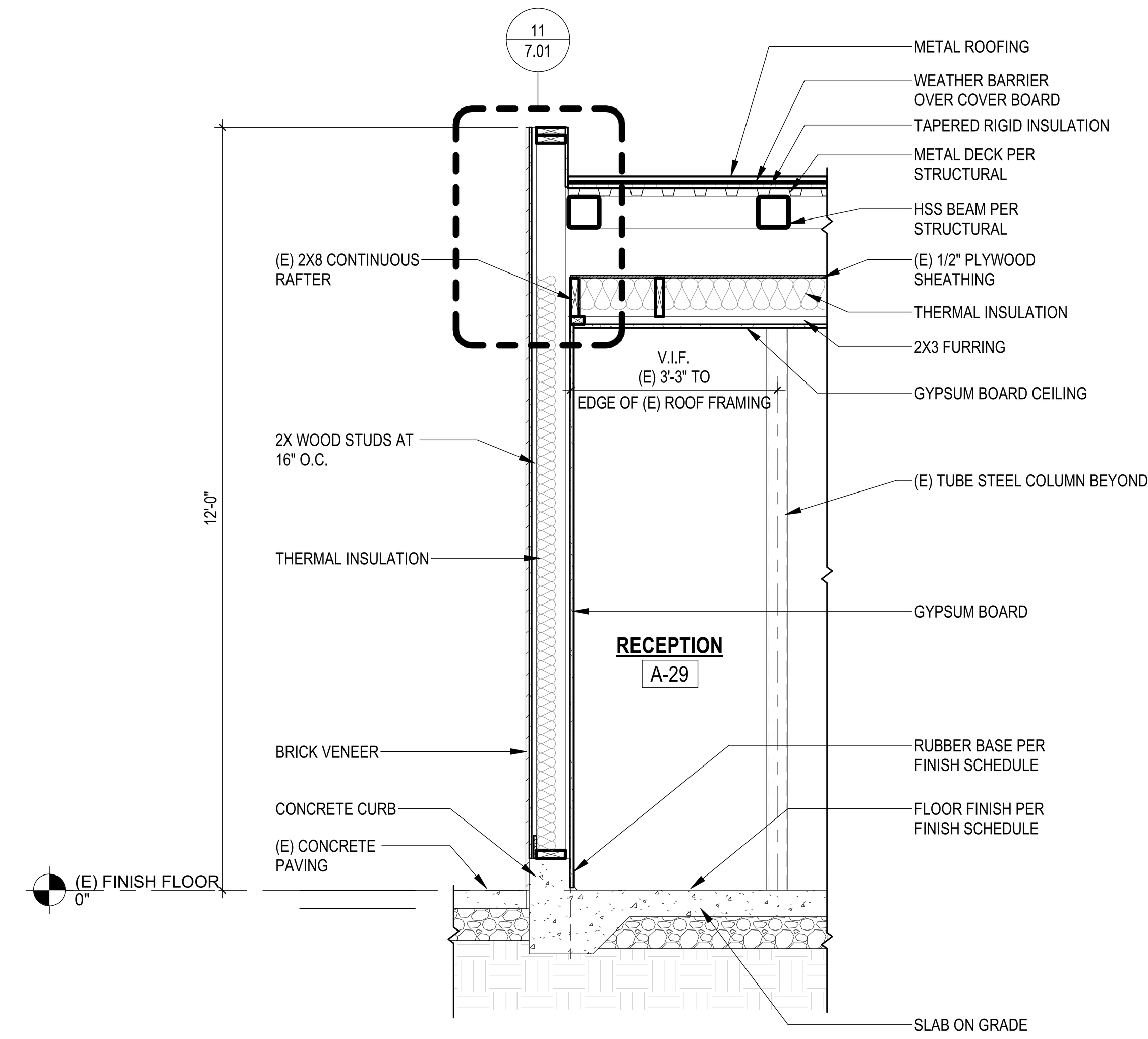
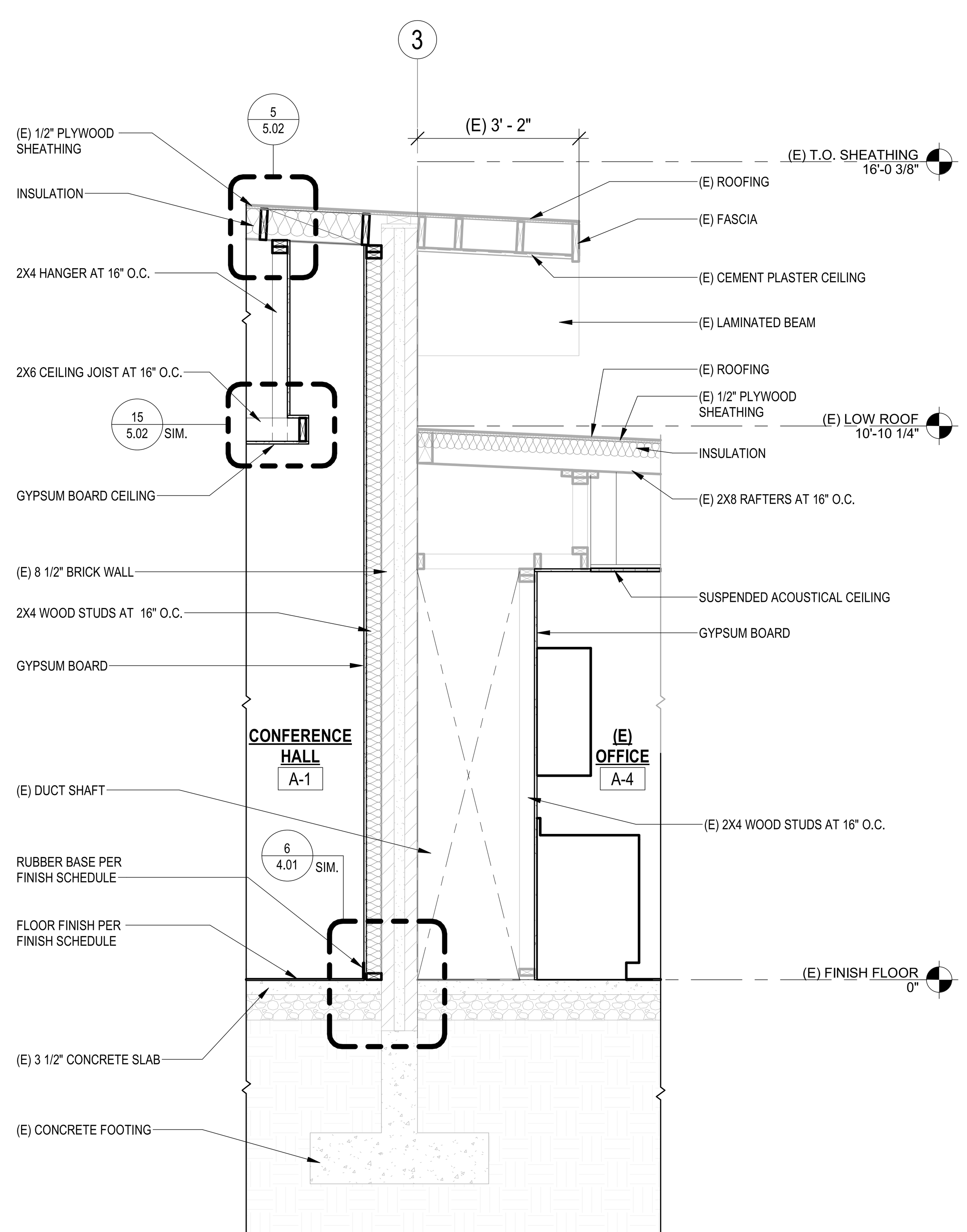
drawing title:
WALL SECTIONS

drawing no.:
A6.1



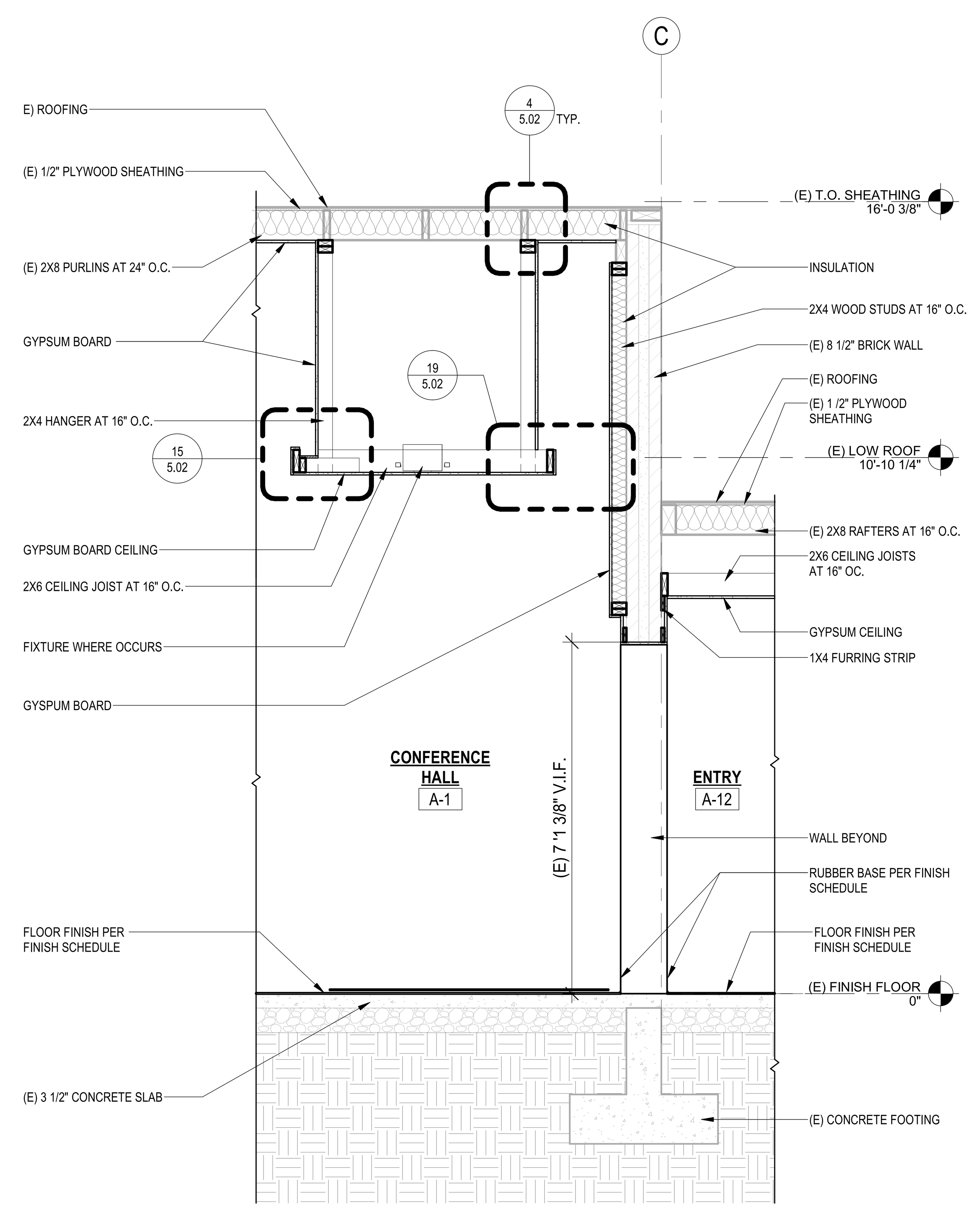
WALL SECTION AT RECEPTION A-29 3

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



WALL SECTION AT CONFERENCE HALL A-1 AND OFFICE A-4 2

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



WALL SECTION AT CONFERENCE HALL A-1 / ENTRY A-12 1

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

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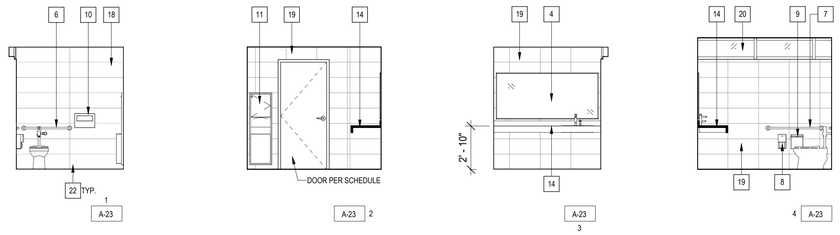
drawing title:

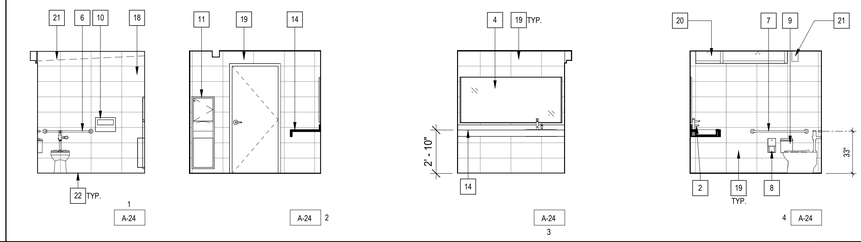
WALL SECTIONS

drawing no.:

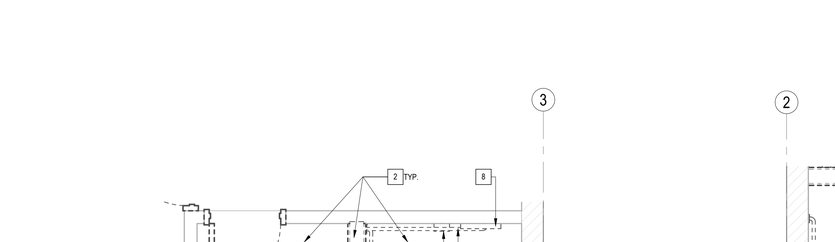
A6.2



ALL-GENDER RESTROOM | A-23

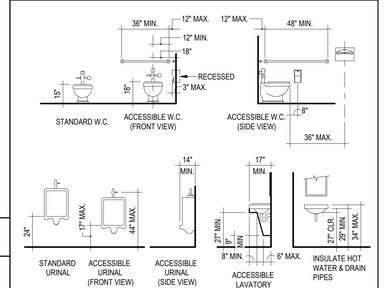


ALL-GENDER RESTROOM | A-24

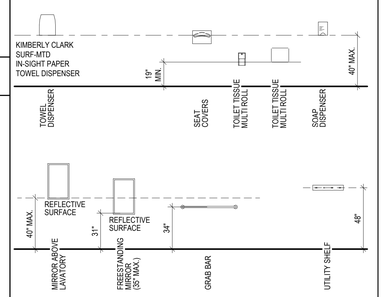


UNISEX RESTROOM | A-14

TOILET FIXTURE MOUNT. HEIGHTS



TOILET ACCESSORY MOUNT. HEIGHTS



NOTES:

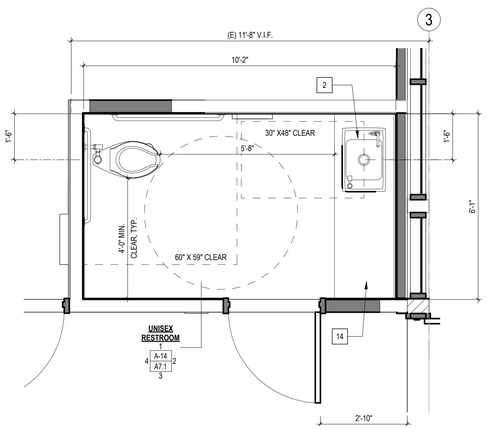
1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40 INCHES ABOVE FINISH FLOOR.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED.
6. PROVIDE BACKING FOR GRAB BARS PER (11 / 6.01)

REMODEL KEYNOTES

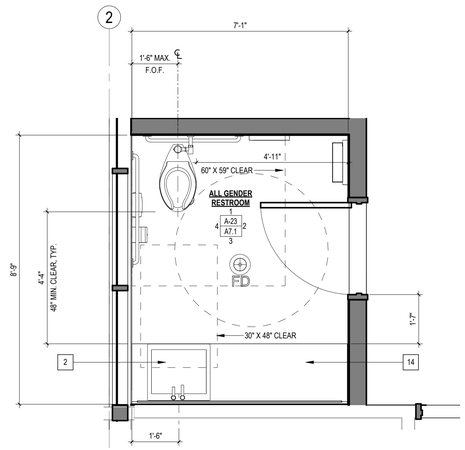
#	NOTE:
1	ACCESSIBLE TOILET
2	ACCESSIBLE LAVATORY WITH SOAP DISPENSER
2	QUARTZ COUNTERTOP - COUNT-1
3	ACCESSIBLE LAVATORY
4	80"W X 36"H FRAMED MIRROR
5	18"W X 30"H FRAMED MIRROR
6	36" GRAB BAR
7	42" GRAB BAR
8	TOILET PAPER DISPENSER
9	SANITARY DISPENSER
10	SEAT COVER DISPENSER, SURFACE MOUNTED
11	PAPER TOWEL DISPENSER & TRASH RECEPTACLE COMBO, RECESSED
14	QUARTZ COUNTERTOP - COUNT-1
15	SOAP DISPENSER
16	PAPER TOWEL DISPENSER
18	12x24" PORCELAIN TILE (CT-1) WITH GROUT (GT -1)
19	12x24" PORCELAIN TILE (CT-2) WITH GROUT (GT -2)
20	ALUMINUM CLERESTORY WINDOW
21	(E) LAMINATED ROOF BEAMS
22	COVE BASE - CV-1

DEMOLITION KEYNOTES

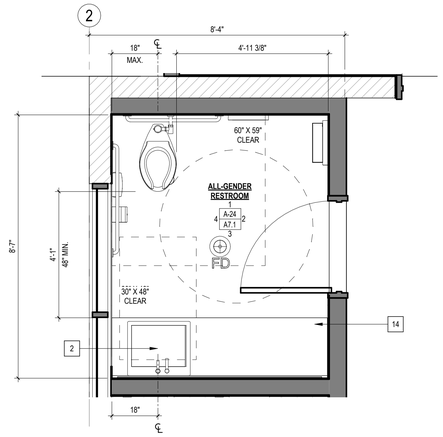
#	NOTE:
1	REMOVE (E) TOILET AND ASSOCIATED PLUMBING. SEE PLUMBING DRAWINGS
2	REMOVE (E) 2X STUD WALL AND FLOOR FINISHES
3	REMOVE (E) GRAB BAR
4	REMOVE (E) TOILET PARTION AND PARTITION MOUNTED ACCESSORIES
5	REMOVE (E) GRAB BAR
6	REMOVE (E) LAVATORY AND ASSOCIATED PLUMBING, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
7	REMOVE (E) FLOOR DRAIN. REFER TO PLUMBING DRAWING FOR ADDITIONAL INFORMATION.
8	REMOVE (E) WALL MOUNTED TOILET SEAT COVER DISPENSER
9	REMOVE (E) SOAP DISPENSER
10	REMOVE (E) URINAL AND ASSOCIATED PLUMBING. FOR ADDITIONAL INFORMATION REFER TO PLUMBING DRAWINGS.
11	REMOVE (E) MIRROR
12	REMOVE (E) PAPER TOWEL DISPENSER
13	REMOVE (E) FLOOR TILE, MORTAR SETTING BED, AND CONCRETE SLAB. SEE PLUMBING DRAWINGS
14	REMOVE (E) 2X STUD WALL, CONCRETE CURB, AND FLOOR FINISHES



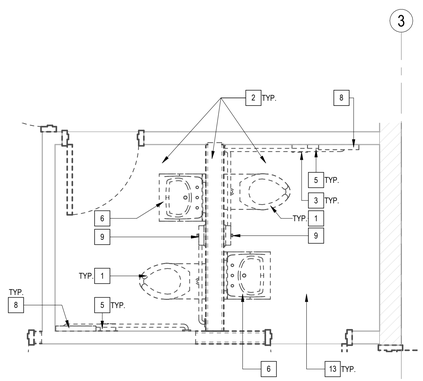
ENLARGED UNISEX RESTROOMS A-14 (12)
SCALE : 1/2" = 1'-0"



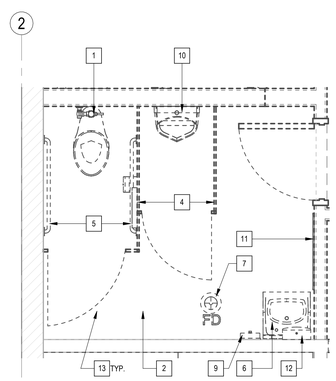
ENLARGED PLAN - ALL-GENDER RESTROOM A-23 (8)
SCALE : 1/2" = 1'-0"



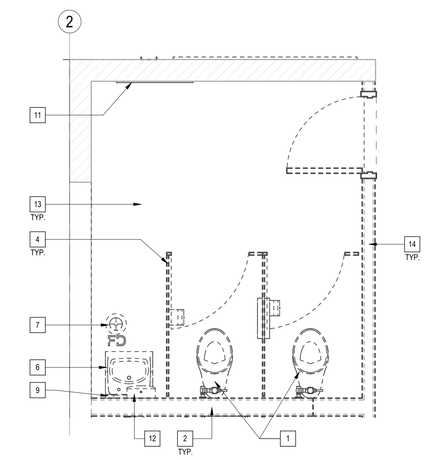
ENLARGED PLAN - ALL-GENDER RESTROOM A-24 (2)
SCALE : 1/2" = 1'-0"



ENLARGED DEMO. PLAN - UNISEX RESTROOM (9)
SCALE : 1/2" = 1'-0"



ENLARGED DEMO. - MEN'S RESTROOM (7)
SCALE : 1/2" = 1'-0"



ENLARGED DEMOLITION WOMEN'S RESTROOM (1)
SCALE : 1/2" = 1'-0"

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file name:

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date: 02.28.2025 3/3/2025 5:48:02 PM

rev:	date:	description:

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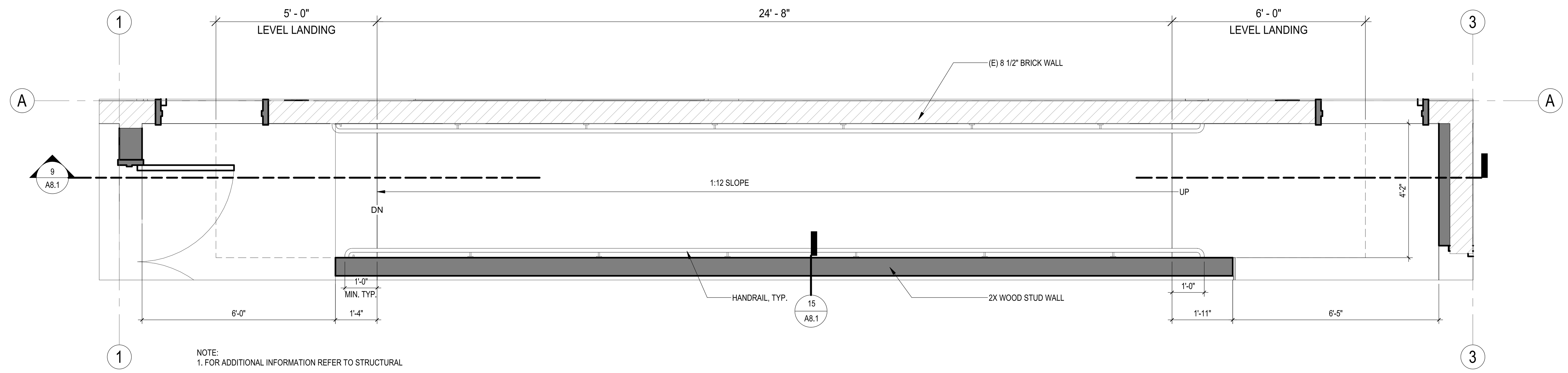
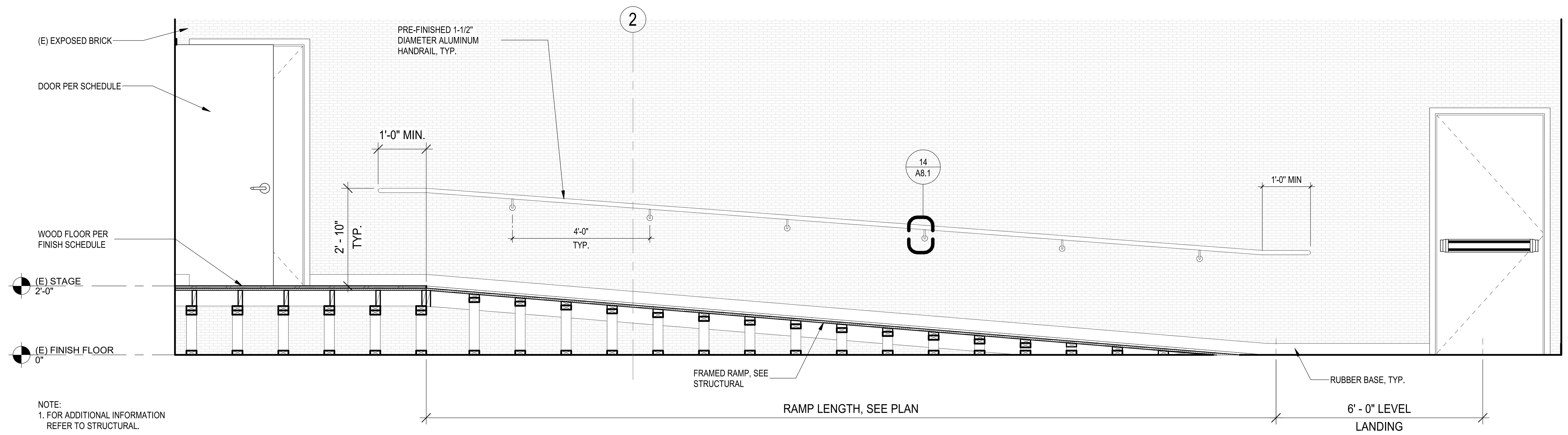
ENLARGED RESTROOM PLANS & ELEVATIONS

drawing no.:

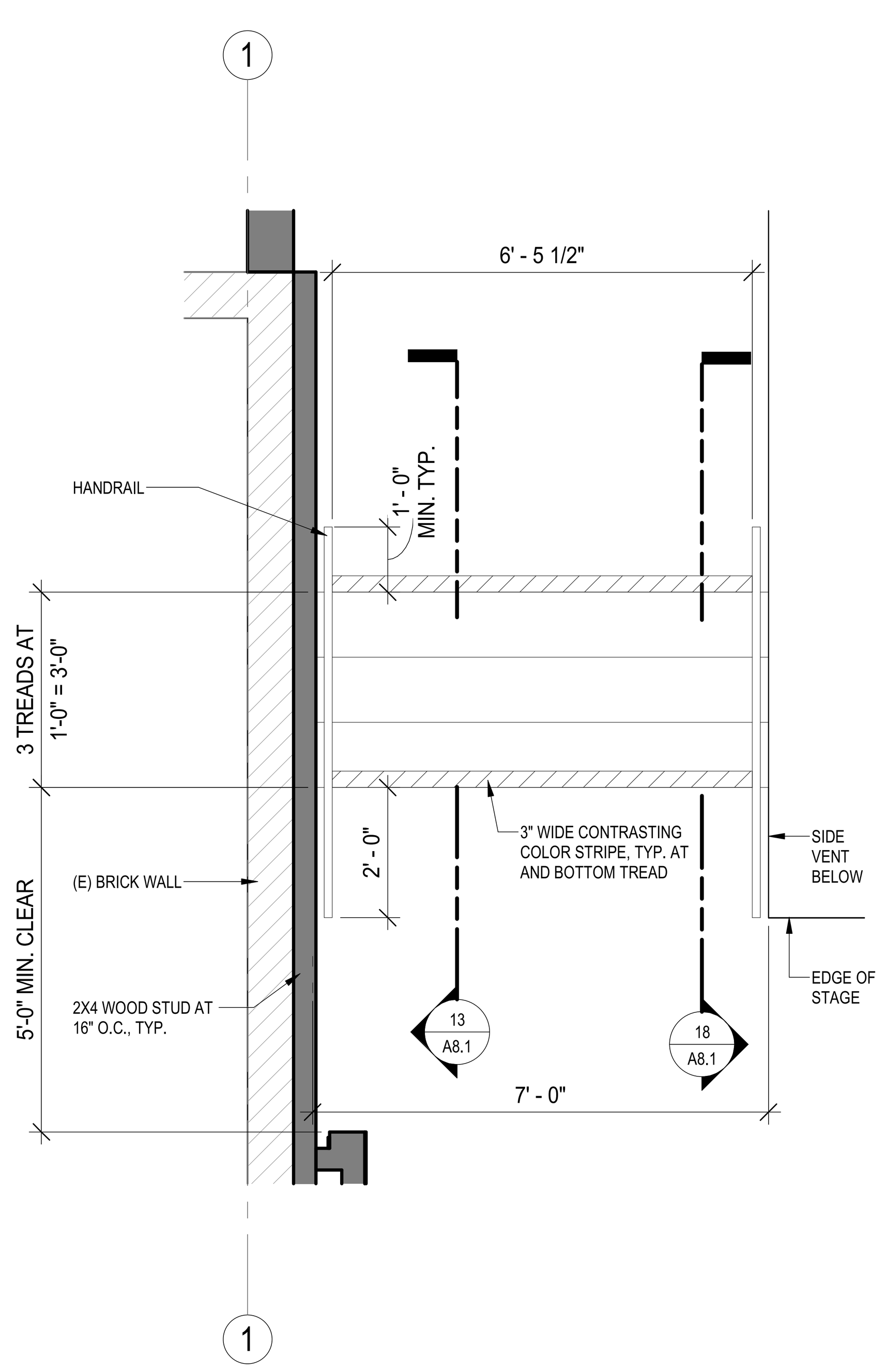
A7.1



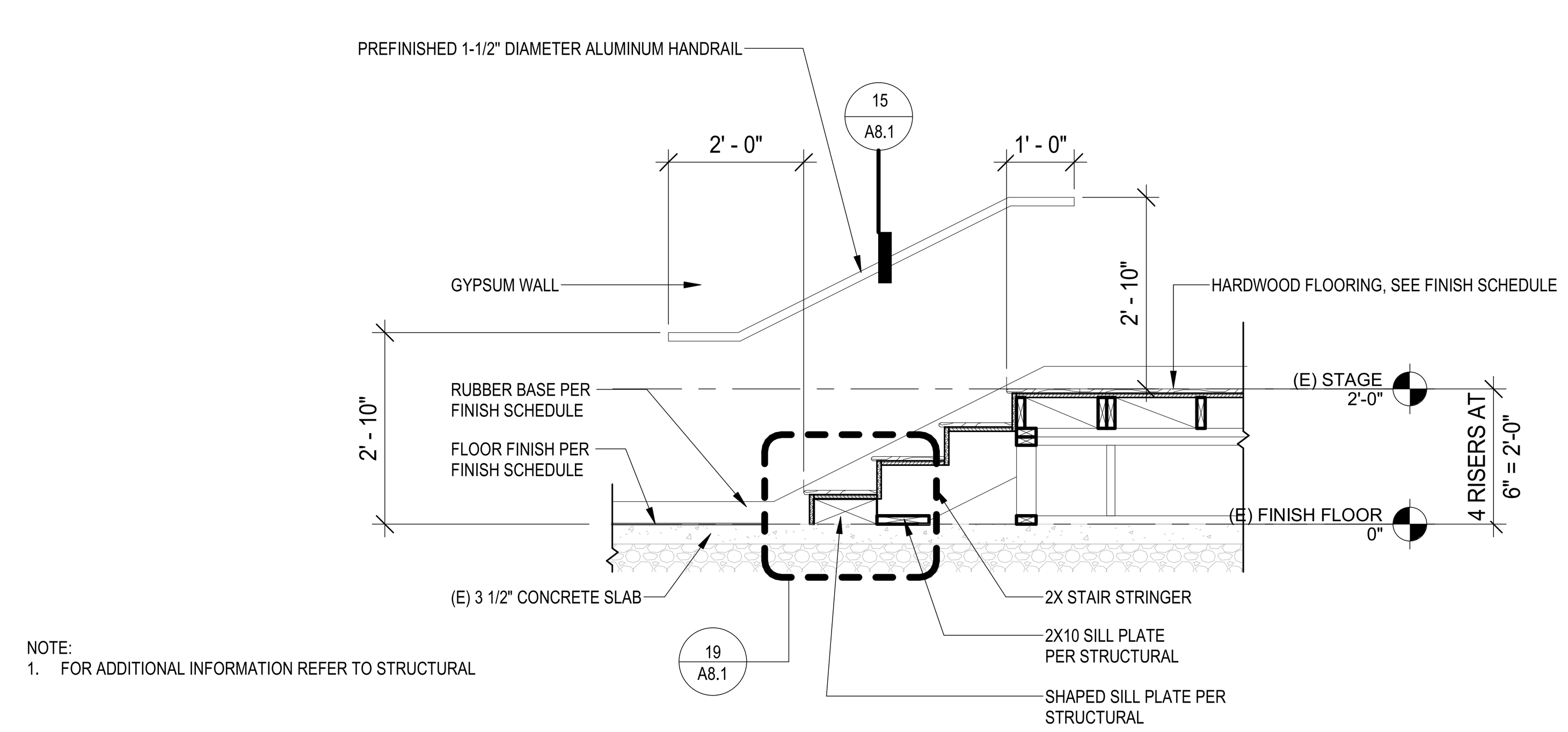
RAMP PLAN 4
SCALE: 1/2" = 1'-0"



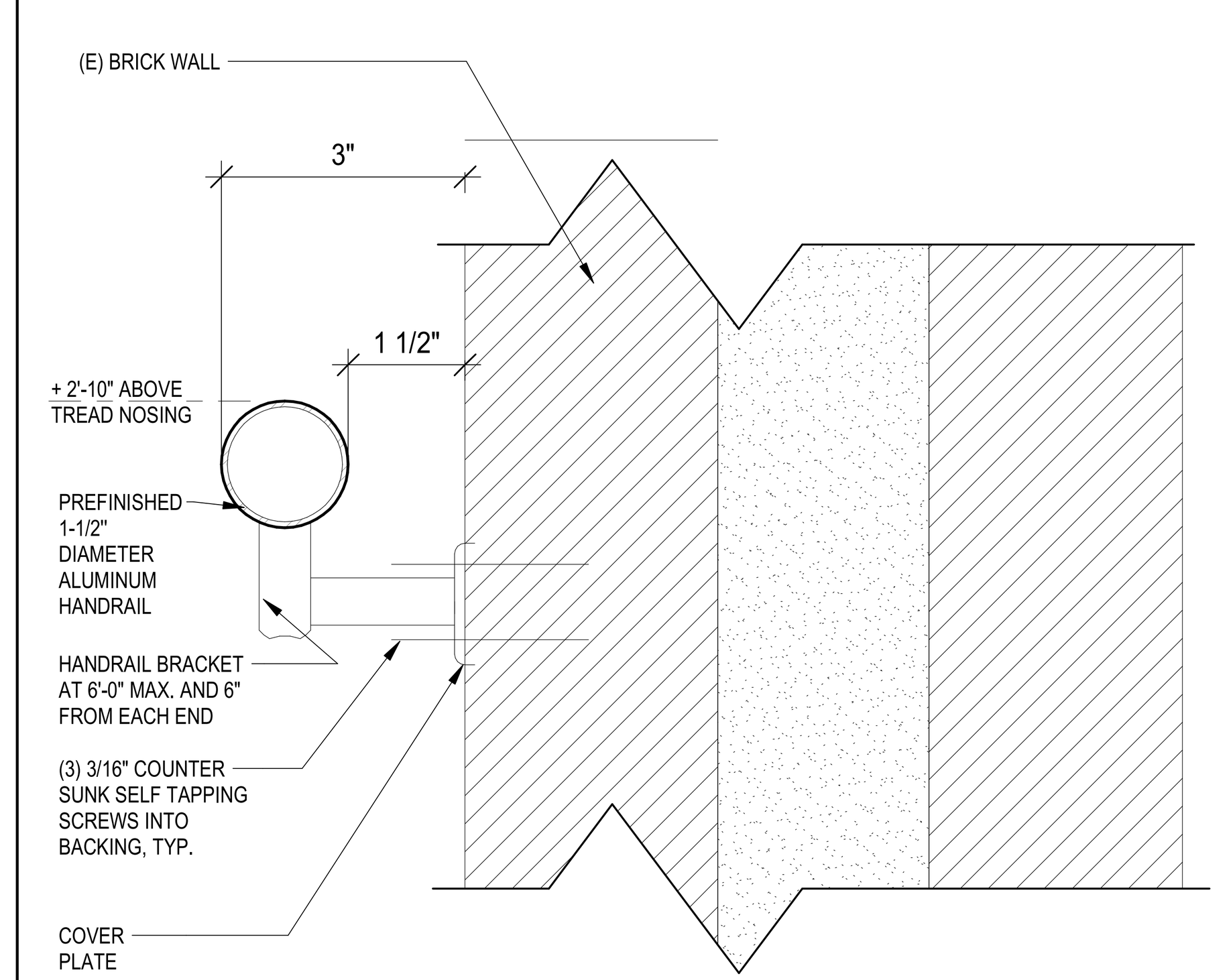
RAMP SECTION 9
SCALE: 1/2" = 1'-0"



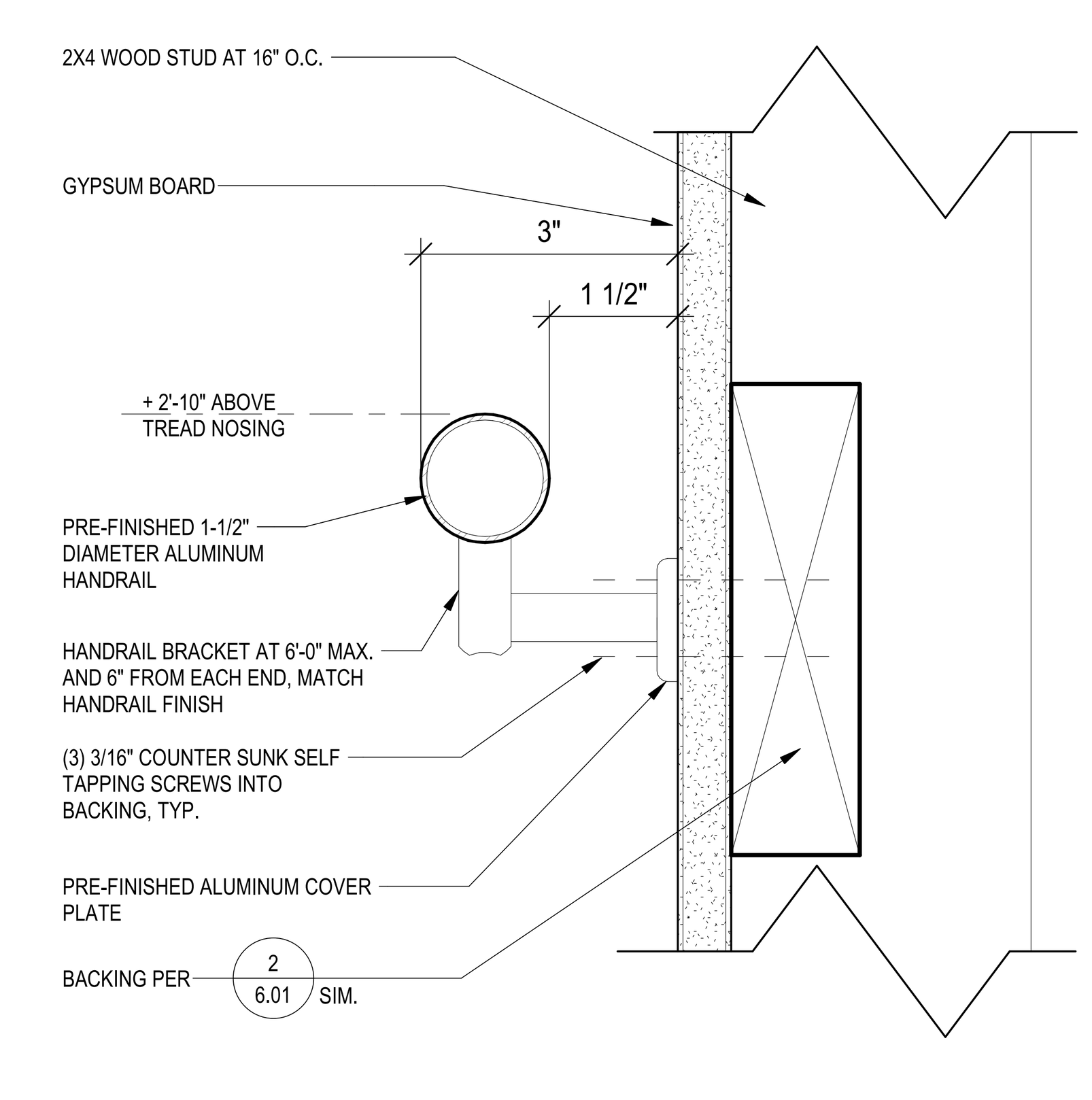
ENLARGED PLAN AT INT. STAIR 16
SCALE: 1/2" = 1'-0"



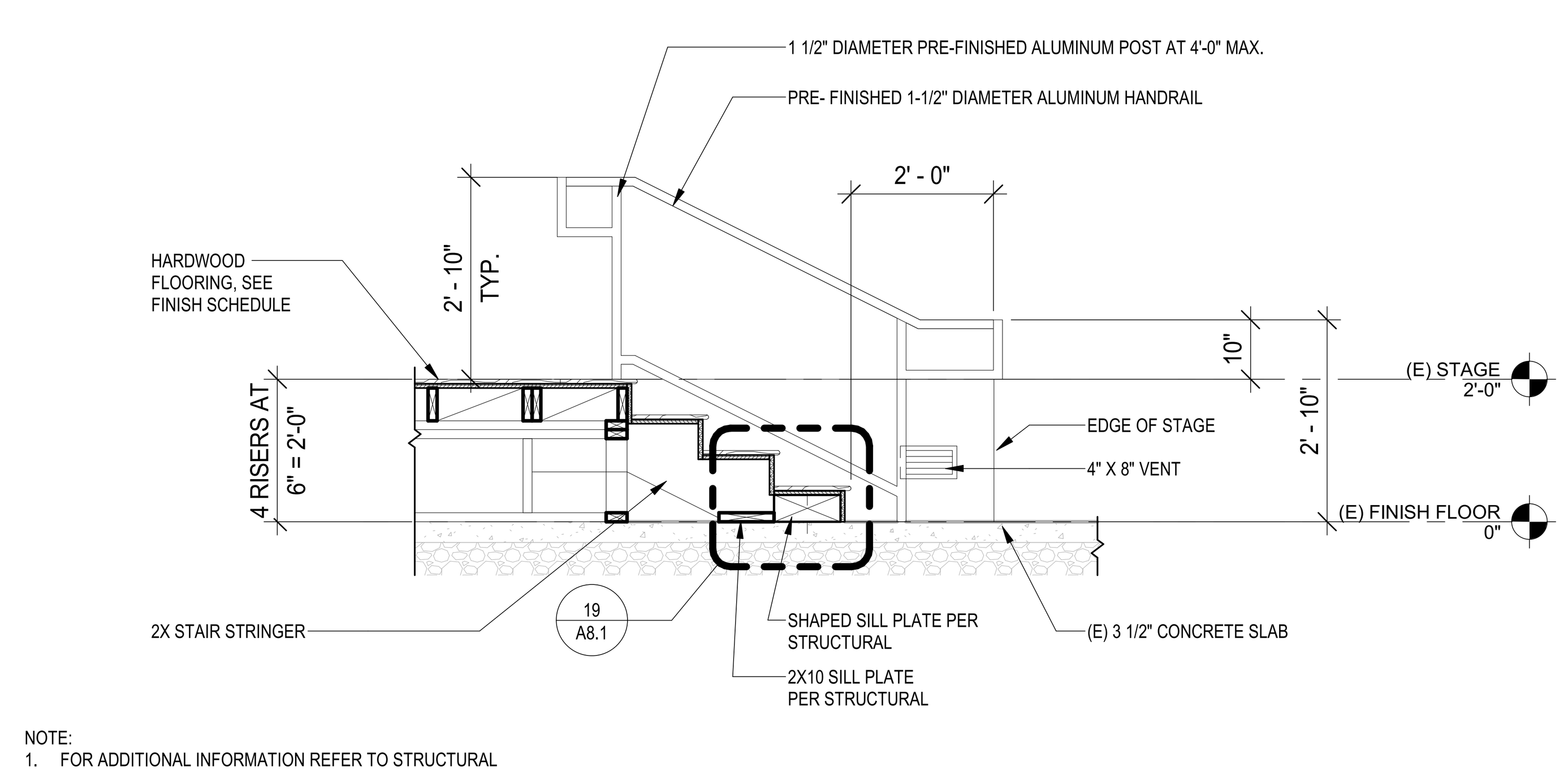
STAIR SECTION 13
SCALE: 1/2" = 1'-0"



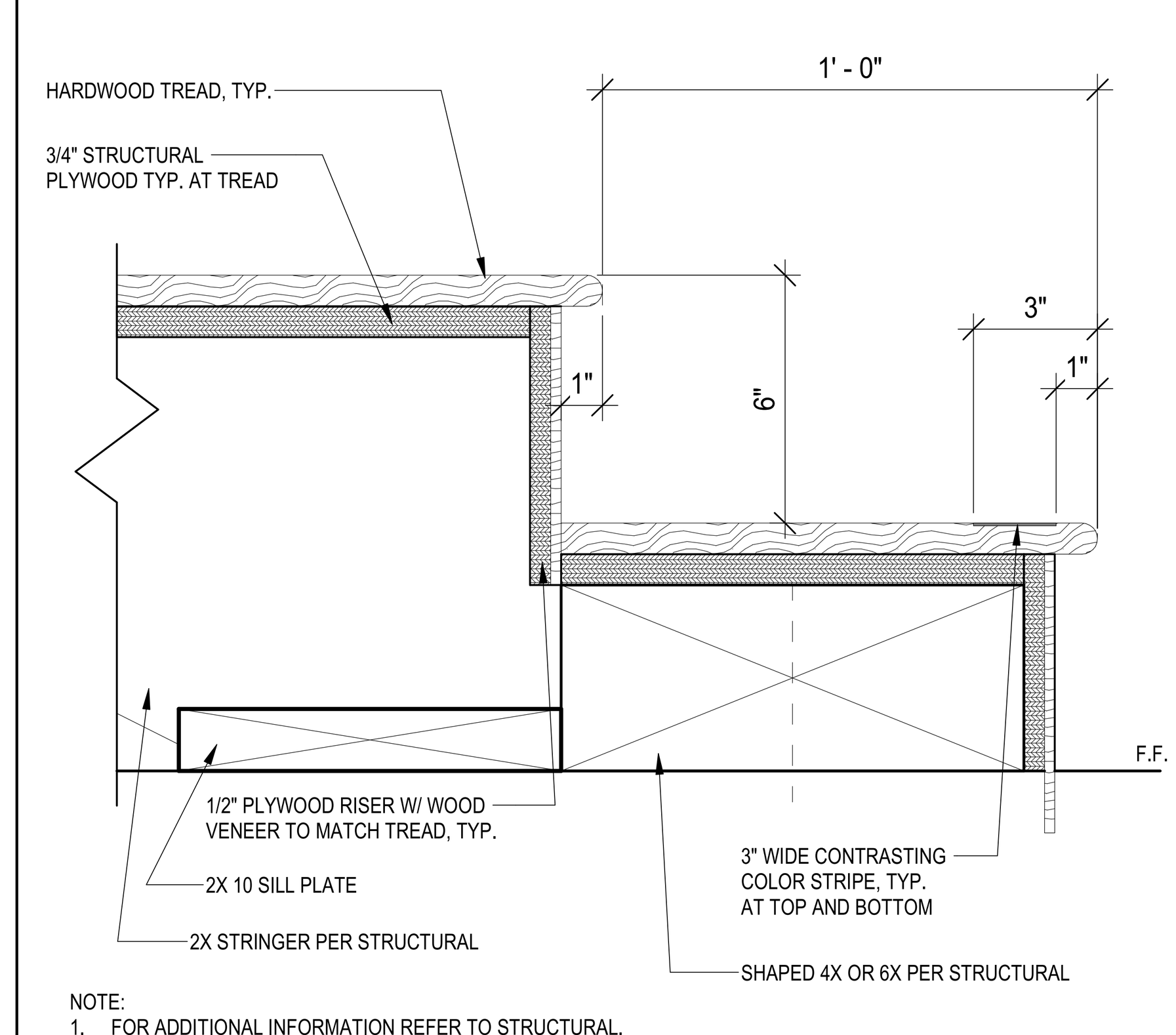
HANDRAIL AT (E) BRICK WALL 14
SCALE: 6" = 1'-0"



HANDRAIL AT WOOD STUD WALL 15
SCALE: 6" = 1'-0"



INTERIOR STAIR SECTION 2 18
SCALE: 1/2" = 1'-0"



NOSING AT WOOD STAIR 19
SCALE: 3" = 1'-0"

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file name:

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date: 02.28.2025

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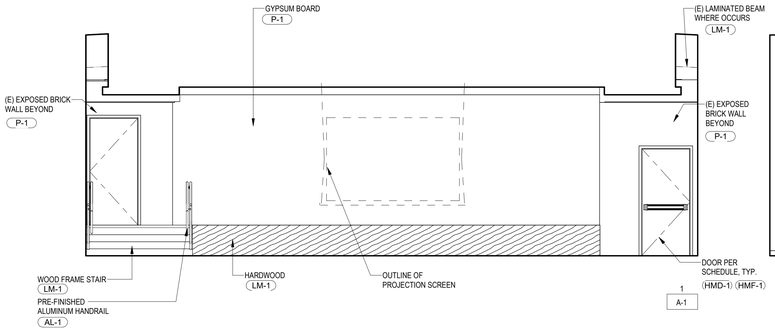
ENLARGED RAMP AND STAIR PLANS

drawing no.:

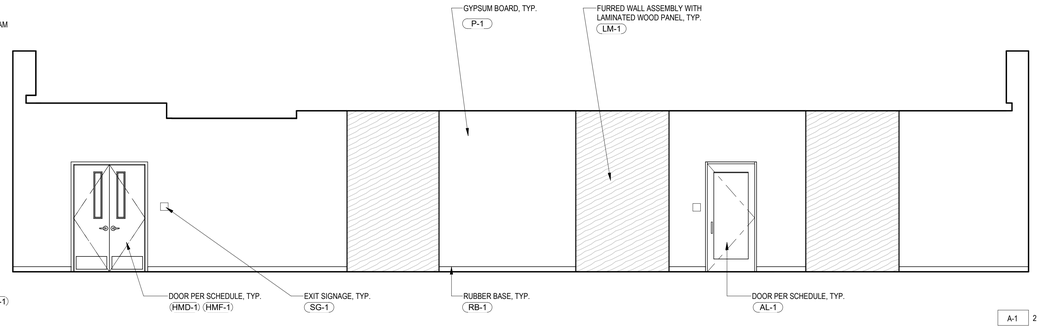
A8.1

ELEVATION NOTES

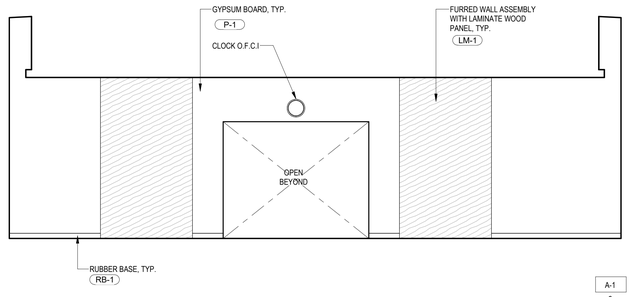
1. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.
2. SEE SHEET 9.01 FOR FINISH SCHEDULE
3. SEE SHEET 8.01 FOR DOOR SCHEDULE
4. SEE SHEET 11.01 FOR SIGNAGE DETAILS



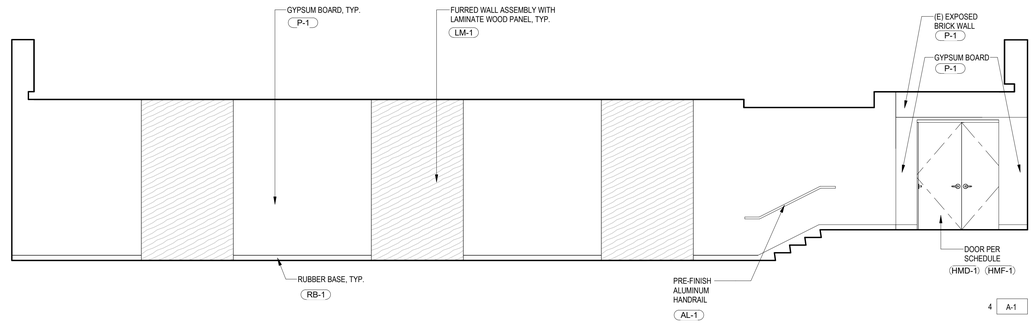
1 A-1



A-1 2



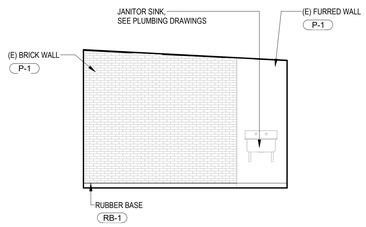
A-1 3



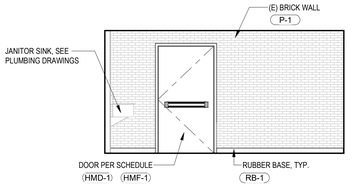
4 A-1

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

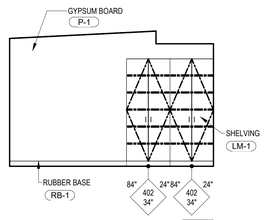
A-1



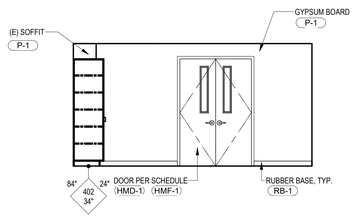
1 A-2



1 A-2 2



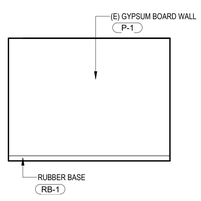
A-2 3



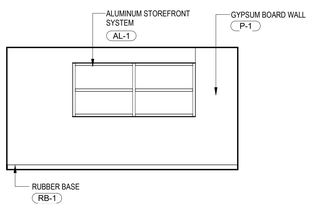
4 A-2

STORAGE & JANITOR
SCALE: 1/4"=1'-0"

A-2



1 A-4



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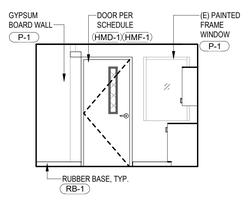

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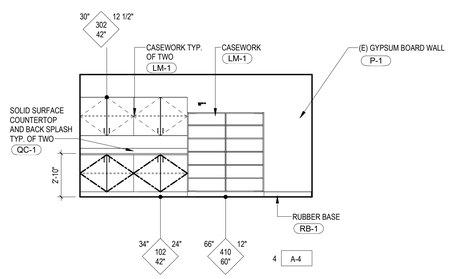

4 A-4

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

A-4

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architect

consultant

owner

ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:02:48 AM

rev:	date:	description:

drawing title:

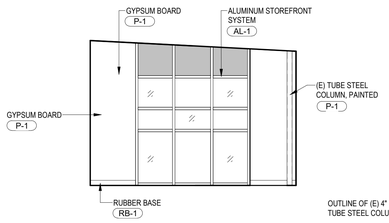
INTERIOR ELEVATIONS

drawing no.:

A9.1

ELEVATION NOTES

1. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.
2. SEE SHEET 9.01 FOR FINISH SCHEDULE
3. SEE SHEET 8.01 FOR DOOR SCHEDULE
4. SEE SHEET 11.01 FOR SIGNAGE DETAILS



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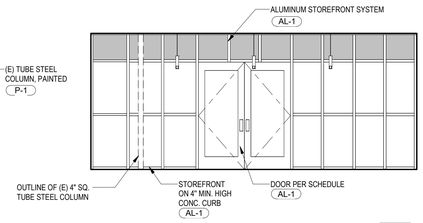

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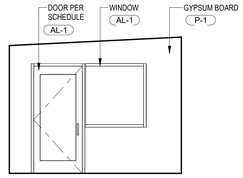

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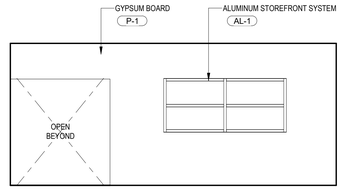

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RECEPTION
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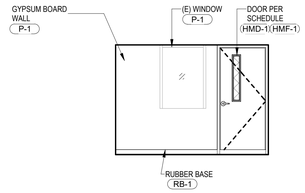

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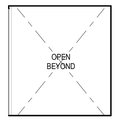

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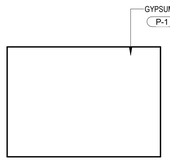

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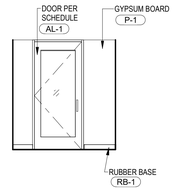

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(E) VESTIBULE
SCALE: 1/4"=1'-0"

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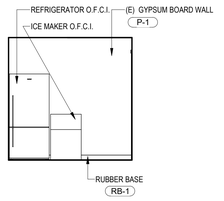

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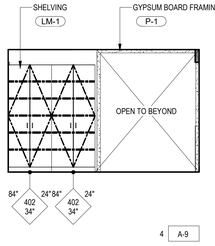

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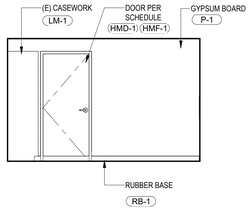

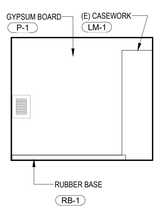

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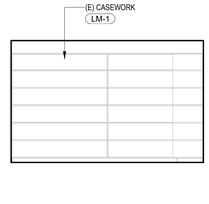

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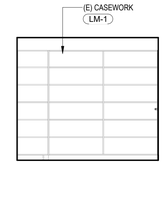

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STORAGE
SCALE: 1/4"=1'-0"

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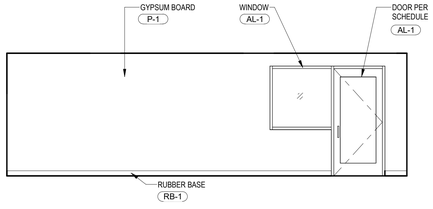

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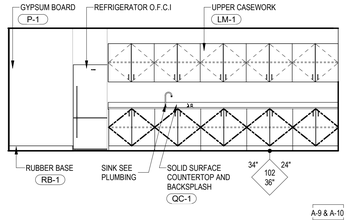

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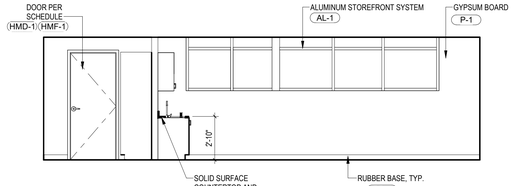

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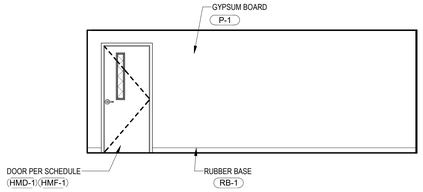

4 A-10

(E) KITCHENETTE & STAFF LOUNGE
SCALE: 1/4"=1'-0"

A-9 & A-10

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:03:20 AM

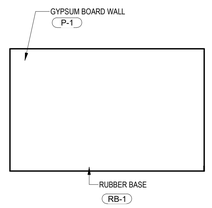
rev:	date:	description:

drawing title:

INTERIOR ELEVATIONS

drawing no.:

A9.2



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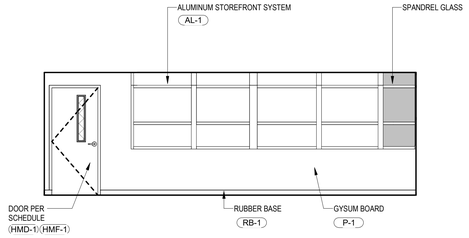

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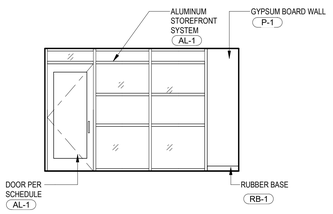

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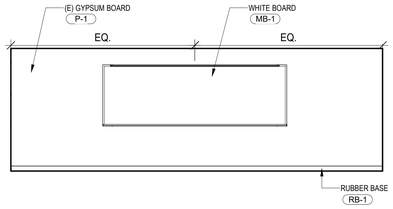

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WORKSTATIONS
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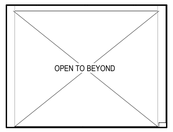

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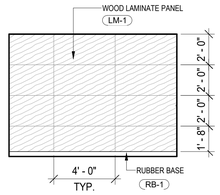

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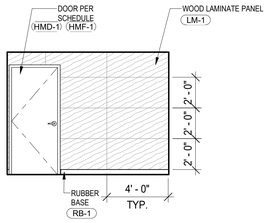

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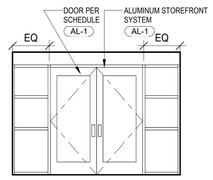

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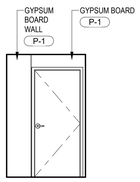
ENTRY
SCALE: 1/4"=1'-0"

A-12



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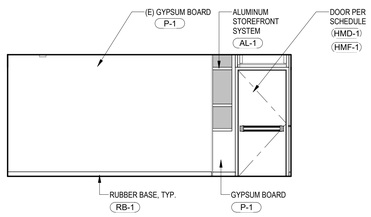

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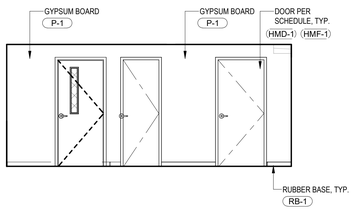

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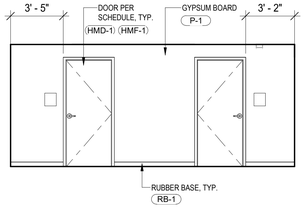

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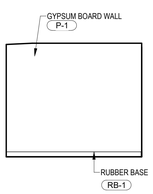
HALLWAY
SCALE: 1/4"=1'-0"

A-16



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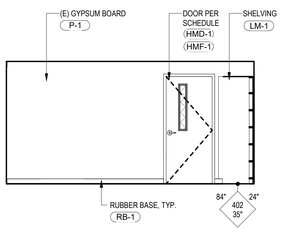

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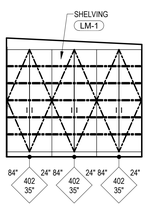

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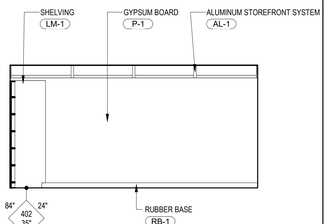

4 A-19

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

A-19

ELEVATION NOTES

1. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.
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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:03:52 AM

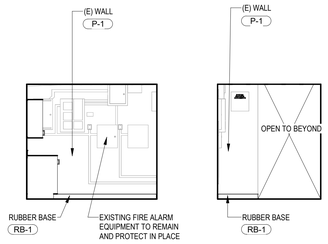
rev:	date:	description:

drawing title:

INTERIOR ELEVATIONS

drawing no.:

A9.3



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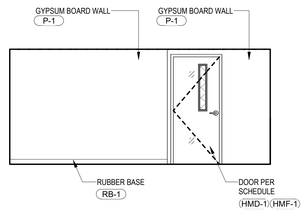
A-26-2 | 2



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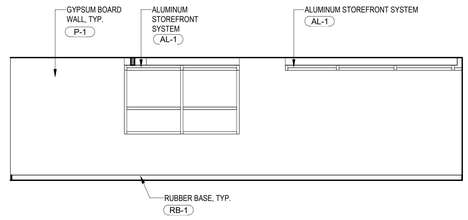

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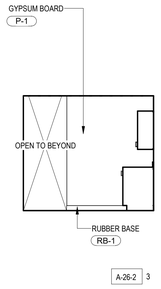

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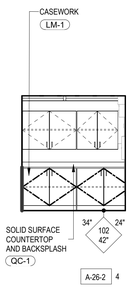

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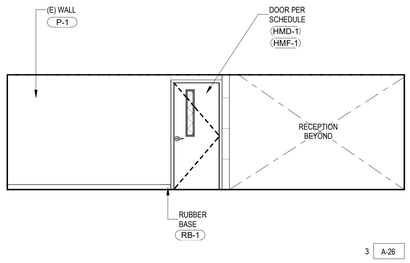

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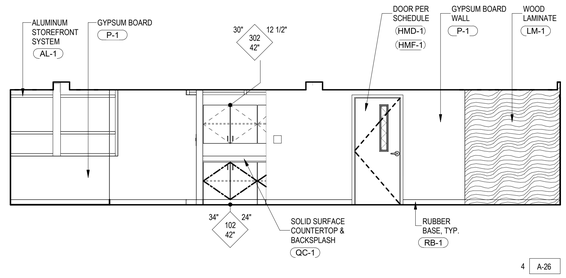
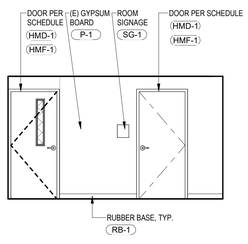


4 | A-26

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

A-26



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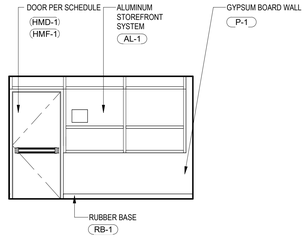

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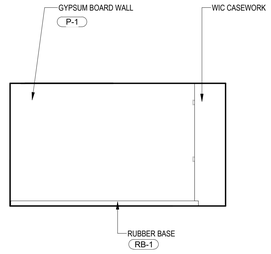

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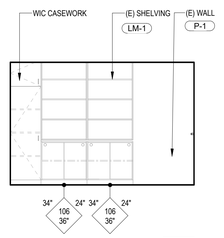

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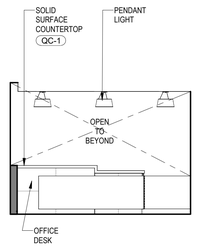
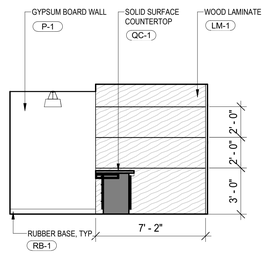
PRINCIPAL
SCALE: 1/4"=1'-0"

A-25



1 | A-27



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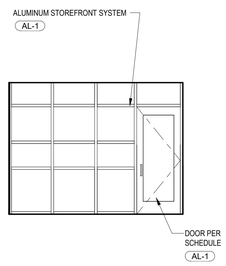
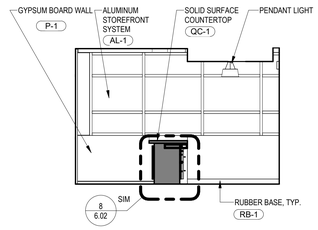


3 | A-27



4 | A-27

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

A-27

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1. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.
2. SEE SHEET 9.01 FOR FINISH SCHEDULE
3. SEE SHEET 8.01 FOR DOOR SCHEDULE
4. SEE SHEET 11.01 FOR SIGNAGE DETAILS

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HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

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tBP project number: 21206.00

file name:

drawn by: Author checked by: D.F.

date: 02.28.2025 2/28/2025 11:04:35 AM

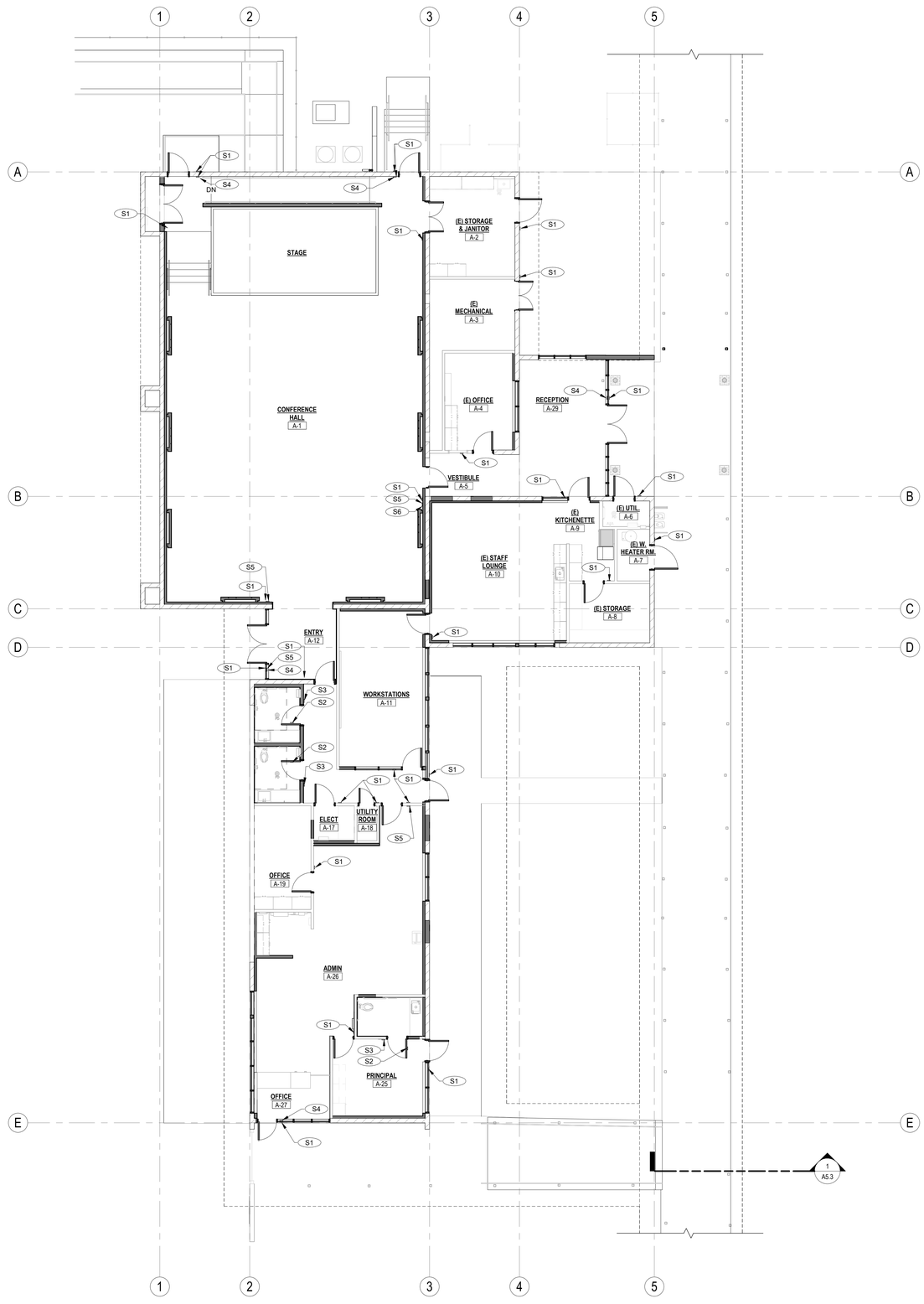
rev:	date:	description:

drawing title:

INTERIOR ELEVATIONS

drawing no.:

A9.4



SIGNAGE PLAN 1

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

LEGEND

- S1 — ROOM NUMBER WITH ROOM NAME INSERT SIGN — 6 / 11.01
- S2 — TOILET ROOM DOOR SIGN — 8 / 11.01
- S3 — TOILET ROOM WALL SIGN — 7 / 11.01
- S4 — TACTILE "EXIT" SIGN — 13 / 11.01
- S5 — "MAX OCCUPANCY" SIGN — 4 / 11.01
- S6 — "ASSISTIVE LISTENING DEVICE" SIGN — 15 / 11.01

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/28/2025 11:05:56 AM

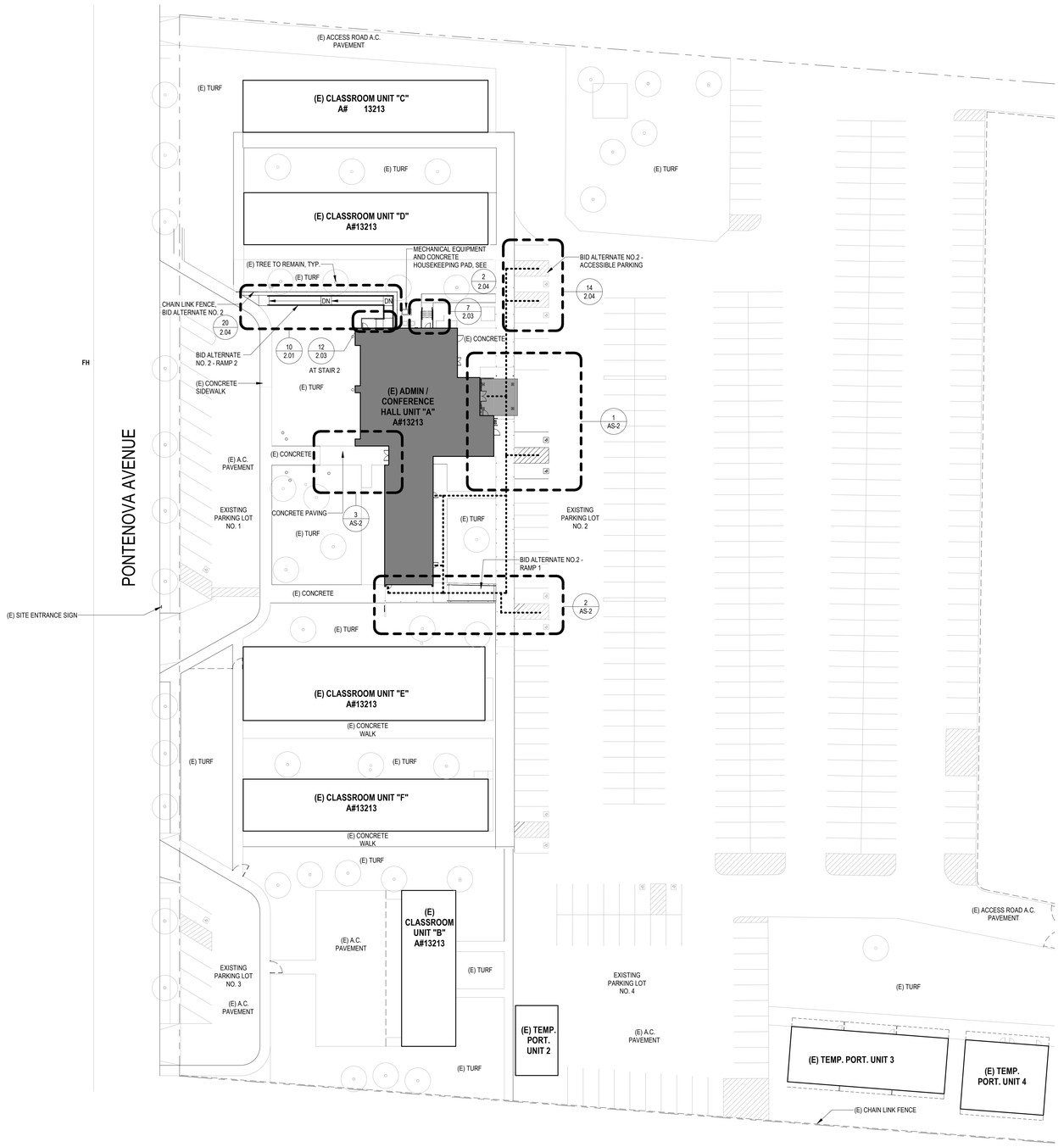
rev:	date:	description:

drawing title:

SIGNAGE PLAN

drawing no.:

A11-1



OVERALL CAMPUS SITE PLAN 1
SCALE : 1" = 30'-0"

NORTH

SHEET NOTES

1. LOCATIONS OF (E) UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. VERIFY ALL EXISTING FINISH GRADES, DIMENSIONS, AND SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
3. ALL GRADING WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE CALIFORNIA BUILDING CODE, TITLE 24, AND LOCAL CODES OR ORDINANCES, IN THE EVENT OF CONFLICTING PROVISIONS, ALWAYS CONFORM TO THE STRICTER REQUIREMENTS.
4. DETERMINE NECESSARY SUBGRADE ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS BETWEEN FINISHED GRADES. FINISHED GRADE ELEVATIONS ADJACENT TO BUILDING PERIMETERS TO BE 6-INCHES BELOW FINISHED FLOOR ELEVATIONS UNLESS NOTED OTHERWISE/
5. CONTRACTOR SHALL PROVIDE SURVEY OF UNDERGROUND CONDITIONS PRIOR TO FIELD VERIFYING TRENCHING ROUTES. ALL COSTS SHALL BE INCLUDED IN BID.
6. SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL SHALL PROVIDE A BARRIER-FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4-INCH, OR 1/2-INCH WHEN BEVELED 1:2. WALKWAYS SHALL HAVE A MAXIMUM SLOPE OF 1:20. MAXIMUM CROSS-SLOPE IS 2% TYPICAL.
7. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATCH OF TRAVEL COMPLIES WITH CBC SECTION 11-B
8. (E) PARKING STALLS, STRIPES, ACCESSIBLE PARKING SIGNAGE , AND AC PAVEMENT TO REMAIN, UNLESS NOTED OTHERWISE.
9. REFER TO CIVIL DRAWING FOR EXTENT OF SITE DEMOLITION AND IMPROVEMENTS IN SCOPE OF WORK.

SITE PLAN LEGEND

- LIMIT OF WORK LINE UNDER THIS PROJECT
- ACCESSIBLE PATH OF TRAVEL
- (E) ADMINISTRATION BUILDING - AREA OF WORK
- EXISTING BUILDINGS
- (N) ENTRY FEATURE/CANOPY
- (E) PATHWAY SHADE

PARKING TABULATION

(E) PARKING LOT 1
(E) ACCESSIBLE STALLS: 1
(E) PARKING STALLS: 11

(E) PARKING LOT 2
(E) ACCESSIBLE STALLS: 7
(E) ACCESSIBLE VAN STALL: 3
(E) PARKING STALLS: 305

(E) PARKING LOT 3
(E) ACCESSIBLE STALLS: 1
(E) PARKING STALLS: 4

(E) PARKING LOT 4
(E) ACCESSIBLE STALLS: 1
(E) ACCESSIBLE VAN STALL: 1
(E) PARKING STALLS: 33

TOTAL STALLS PROVIDED:
- (10) TOTAL ACCESSIBLE SPACES PROVIDED
- (4) ACCESSIBLE VAN SPACES PROVIDED
- (353) STALLS PROVIDED

CBC TABLE 11B-208.2
- 301-400 TOTAL SPACES PROVIDED
- (8) TOTAL ACCESSIBLE SPACES REQUIRED
- (2) ACCESSIBLE VAN SPACE REQUIRED

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file name:

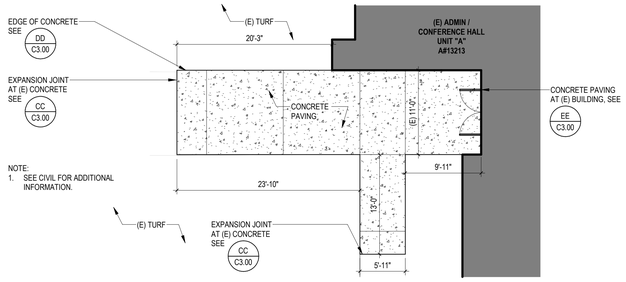
drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 3:33:40 PM

rev:	date:	description:

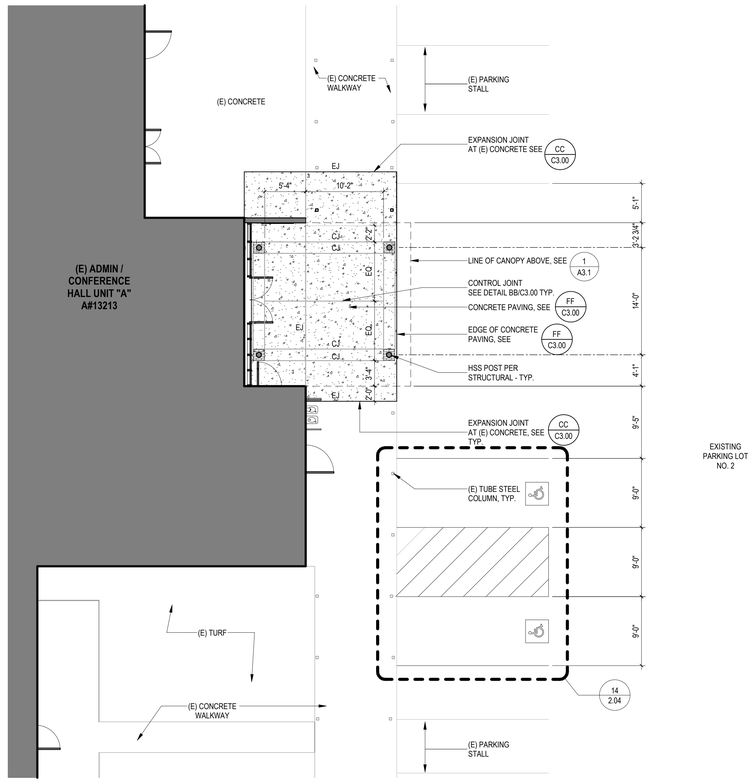
drawing title:
OVERALL CAMPUS SITE PLAN

drawing no.:
AS-1



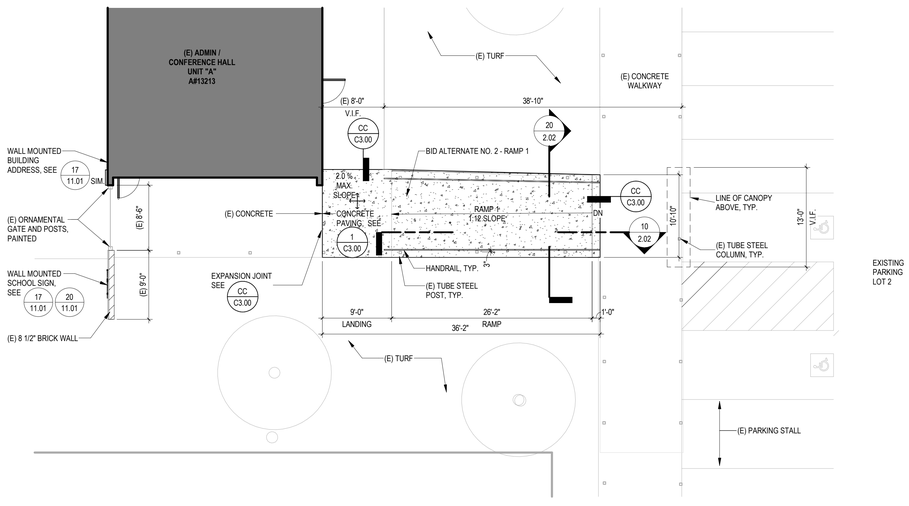
ENLARGED SITE PLAN AT ENTRY A-12 (3)

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



ENLARGED SITE PLAN AT CONFERENCE HALL RECEPTION (1)

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



BID ALTERNATE NO. 2 - ENLARGED SITE PLAN AT OFFICE (2)

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

SHEET NOTES

1. REFER TO T-2 FOR ABBREVIATIONS, GENERAL NOTES, AND TYPICAL SYMBOLS.
2. FOR ADDITIONAL SITE INFORMATION REFER TO AS-1.
3. DIMENSIONS ARE TO FACE OF (E) WALL.
4. PROTECT IN-PLACE (E) TUBE STEEL COLUMNS AND FOOTINGS TO REMAIN.
5. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
6. ALL CONCRETE PAVING TO BE MEDIUM BROOM FINISH UNLESS NOTED OTHERWISE.
   A. CONCRETE EXPANSION JOINTS: 30'-0" O.C. MAX. UNLESS NOTED OTHERWISE.
   B. CONTROL JOINTS: 10'-0" O.C. MAX. UNLESS NOTED OTHERWISE.

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/27/2025 3:35:23 PM

rev:	date:	description:

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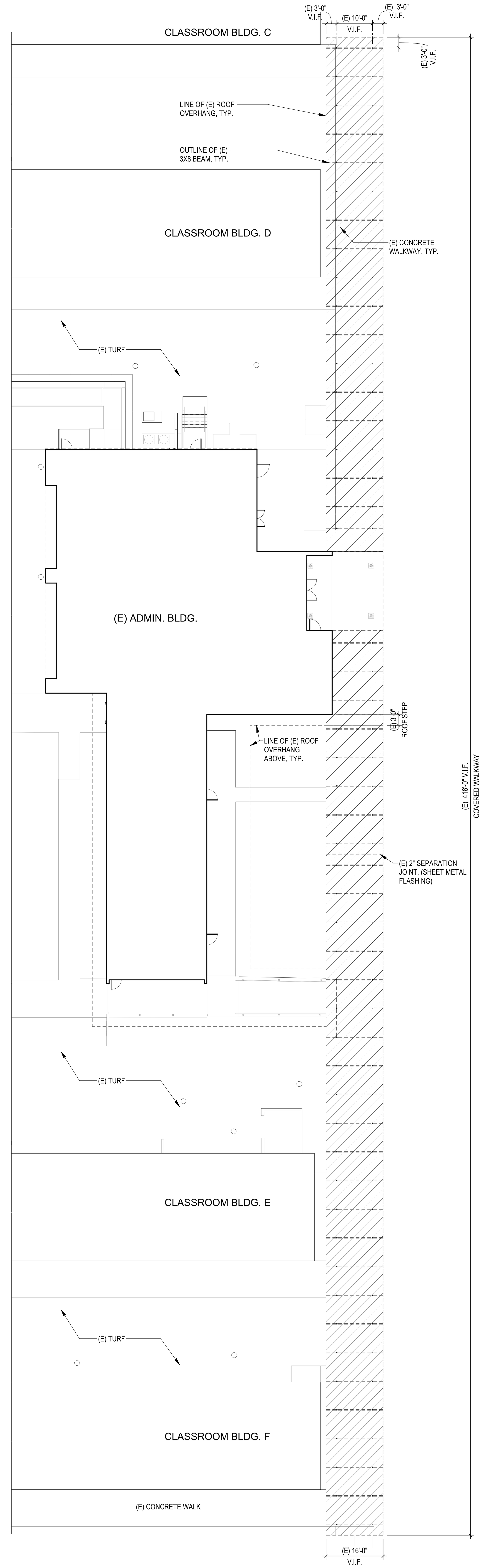
ENLARGED SITE PLAN

drawing no.:

AS-2



BID ALTERNATE NO. 1 - (E) COVERED WALKWAY (1)

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

NORTH

SHEET NOTES

1. BID ALTERNATE NUMBER 1:

   A. REPLACE 50% OF (E) 2X8 WOOD FASCIA.
   B. REPAIR, AND REPLACE 30% OF (E) 2" SOLID T&G DECKING.
   C. PAINT ENTIRE (E) COVERED WALKWAY INCLUDING, (E) TUBE STEEL COLUMNS, (E) WOOD BEAMS, UNDERSIDE OF T&G DECKING, EXPOSED CONDUIT, AND PLASTER.

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02.28.2025 2/27/2025 3:36:03 PM

rev:	date:	description:

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(E) COVERED WALKWAY PLAN

drawing no.:

AS-3

BELOW GRADE UTILITY LINETYPE LEGEND

- W — W — EXISTING POTABLE WATER
- SEW — SEW — EXISTING SANITARY SEWER
- G — G — EXISTING GAS
- E — E — EXISTING ELECTRICAL/POWER
- C — C — EXISTING COMMUNICATIONS
- SD — SD — EXISTING STORM DRAIN

SITE DEMOLITION NOTES:

- (P) PROTECT EXISTING IMPROVEMENT IN PLACE.
- (S) SAWCUT EXISTING PAVEMENT WITH CLEAN EDGE.
- (R) REMOVE EXISTING IMPROVEMENT AND DISPOSE BY CONTRACTORS
- (R1) REMOVE & DISPOSE OF EXISTING CONCRETE PAVEMENT & BASE MATERIAL.
- (R2) GRIND DOWN APPROXIMATELY 1-INCH THICKNESS OF EXISTING ASPHALT PAVEMENT AND REMOVE FROM SITE.
- (R3) CLEAR AND GRUB EXISTING LANDSCAPE AND REMOVE IRRIGATION HEADS AND PIPING.
- (R4) REMOVE & DISPOSE OF STEEL COLUMN AND FOOTING.
- (R5) REMOVE & DISPOSE OF EXISTING STAIRS AND FOOTING.
- (R6) REMOVE & DISPOSE OF EXISTING FENCE AND FOOTINGS
- (R7) REMOVE AND DISPOSE OF EXISTING CLEANOUT AND GREASE INTERCEPTOR LID. PROTECT BELOW GRADE GREASE INTERCEPTOR IN PLACE. FILL GREASE INTERCEPTOR WITH 2 SACK CEMENT SAND SLURRY & ABANDON IN PLACE.
- (R8) ABANDON EXISTING SEWER LINE IN PLACE.
- (R9) REMOVE AND DISPOSE OF EXISTING SEWER LINE & CLEANOUT.
- (R10) REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT & BASE MATERIAL.

HATCH LEGEND:

- = REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT & BASE MATERIAL (R10)
- = GRIND DOWN & DISPOSE OF EXISTING ASPHALT PAVEMENT (R2)
- = REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT & BASE MATERIAL (R1)
- = CLEAR AND GRUB EXISTING LANDSCAPE (R3)
- = EXISTING CONCRETE PAVEMENT TO REMAIN
- = EXISTING BUILDING

NOTE TO CONTRACTOR: ALONG CANOPY GRADE BEAMS REMOVE CONCRETE FLATWORK TO A MINIMUM DEPTH OF 6". GRIND GRADE BEAMS DOWN TO CLEAR DEPTH OF WALK AND THICKENED EDGE. PROTECT (E)REINFORCING AND DRILL FOR NEW REINFORCING BARS. REFER TO DETAIL GG / C3.00.

CONTRACTOR SHALL COMPLY WITH 2022 C.B.C. AND C.F.C. CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

CONSTRUCTION STORM WATER NOTE:
GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH NPDES STORM WATER CONSTRUCTION GENERAL PERMIT 2022-0057-DWQ (AS ADOPTED SEPTEMBER 8, 2022)

NOTE TO CONTRACTOR: BEFORE DEMOLITION OR TRENCHING OF ANY KIND OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR. PROVIDE SURVEY TO OWNER PRIOR TO STARTING WORK.

GENERAL DEMOLITION NOTES

1. ALL ITEMS, SHOWN ON THIS PLAN TO BE REMOVED, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO DEMOLITION. THE CONTRACTOR SHALL MEET WITH THE SCHOOLS REPRESENTATIVE PRIOR TO CLEARING AND GRUBBING.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC., TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
3. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
4. ALL CONCRETE & CMU BLOCK WALLS & PLANTERS SHOWN ON THIS PLAN AND INDICATED TO BE REMOVED SHALL INCLUDE ALL FOOTINGS & FOUNDATIONS IN THEIR REMOVAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FIELD VERIFY AND FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK. ALL ITEMS TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR PRIOR TO DEMOLITION.
6. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES WHICH ARE TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
7. TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAIN, SANITARY SEWERS AND STREETS.
8. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
9. CONTRACTOR SHALL COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
10. THE CONTRACTOR SHALL PREPARE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE SITE AND MARK, WITH PAINT, THE LOCATIONS OF ALL EXISTING UTILITIES FOUND PRIOR TO DEMOLITION.
11. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL LANDSCAPING IRRIGATION SYSTEMS WITHIN THE DEMOLITION LIMIT LINE UNLESS DESIGNATED TO REMAIN IN PLACE ON THE PLANS. WHERE THE DEMOLITION IMPACTS EXISTING LANDSCAPE TO REMAIN, MODIFY THE EXISTING IRRIGATION SYSTEM, INCLUDING ADDING IRRIGATION HEADS AS NECESSARY TO MAINTAIN COMPLETE AND FULL COVERAGE OF EXISTING PLANNING.
12. CONTRACTOR SHALL NOT DAMAGE ANY PUBLIC SIDEWALK DURING THE COURSE OF HIS WORK.
13. THE CONTRACTOR SHALL BACKFILL SOIL IN THE EXCAVATED TREE ROOT PITS AND THE TRENCHES FOR REMOVED EXISTING UNDERGROUND STRUCTURES, UTILITIES, AND IMPROVEMENTS.
14. THE CONTRACTOR SHALL NOT ABANDON-IN-PLACE ANY EXISTING UNDERGROUND STRUCTURE, UTILITY, OR IMPROVEMENT SO DESIGNATED FOR REMOVAL ON THE PROJECT PLANS UNLESS DIRECTED TO BY THE OWNER.
15. CONTRACTOR TO SAWCUT ALL EXISTING A.C. AND CONCRETE PAVEMENT AT DEMOLITION LIMIT LINE. CONTRACTOR SHALL REMOVE CONCRETE PAVING, CURB & GUTTER TO THE NEAREST JOINT.
16. CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS OUTSIDE THE DEMOLITION LIMIT LINE THAT ARE DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
17. CONTRACTOR SHALL FIELD VERIFY THAT THE REMOVAL OF EXISTING UTILITIES WILL NOT IMPACT AREA OPERATIONS.
18. BEFORE EXCAVATING ANY TRENCH 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE CONSTRUCTION OR PROJECT MANAGER SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR THE WORKERS' PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLAN SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER. NO EXCAVATION SHALL START UNTIL THE CONSTRUCTION OR PROJECT MANAGER HAS ACCEPTED THE PLAN AND THE CONTRACTOR HAS OBTAINED A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY.
19. CONTRACTOR IS RESPONSIBLE TO KEEP ALL UTILITES OPERATIONAL THAT SERVES FACILITIES OUTSIDE THE SCOPE OF THE DEMOLITION ZONE. CONTRACTOR IS ALSO RESPONSIBLE TO REROUTE UTILITIES IF NECESSARY TO COMPLETE DEMOLITION.
20. CONTRACTOR SHALL INSTALL A TEMPORARY MINIMUM 6' HIGH CHAIN LINK CONSTRUCTION FENCE, WITH GREEN SCREEN, AROUND PERIMETER OF DEMOLITION AREA.
21. ALL EXISTING DRAINAGE STRUCTURES ON SITE SHALL BE PROTECTED AND REMAIN FUNCTIONAL DURING DEMOLITION AND THROUGH THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THESE STRUCTURES, OR DAMAGE CAUSED TO ADJACENT PROPERTIES DUE TO THE OBSTRUCTION OF THESE STRUCTURES.

LEGEND

(S)	SEWER MANHOLE		OVERHANG POST
(D)	STORM DRAIN MANHOLE		SIGN POST
(T)	TELEPHONE MANHOLE		MAIL BOX
	FIRE HYDRANT		WIRE FENCE
(C)	SEWER CLEANOUT		CHAIN LINK FENCE
	WATER VALVE		BLOCK WALL
	GAS VALVE		TREE
	WATER METER		FLOW DIRECTION
	GAS METER	(ICV)	IRRIGATION VALVE
W	WATER VAULT	T	TRASH ENCLOSURE
G	GAS VAULT		GRATE
T	TELEPHONE VAULT		SLOPE
E	ELECTRIC VAULT	CF	CURB FACE
EPB	ELECTRIC PULLBOX	INV	INVERT
	GUY WIRE		
	LIGHT		
FS	FINISHED SURFACE		
FF	FINISHED FLOOR		

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file name:

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date: 02/21/2025

rev:	date:	description:

drawing title:

SITE DEMOLITION PLAN

drawing no.:

C1.00

Plot Date: 2/25/2025 2:37:23 PM Last Save By: calvin.wong Login: Calvin Wong S:\Jobs\2757 - TBP Architects\2757b25 - Dibble Adult School\Civil\Dibble C1.00 - Site Demolition Plan.dwg

HATCH LEGEND:

- = PROPOSED BUILDING ADDITION
- = PROPOSED CONCRETE PAVEMENT (1)
- = GRIND AND OVERLAY ASPHALT PAVEMENT (2)
- = PROPOSED HYDYROSEED (5)
- = EXISTING CONCRETE PAVEMENT TO REMAIN.
- = EXISTING BUILDING
- = PROPOSED ASPHALT PAVEMENT (7)

LEGEND

(S)	SEWER MANHOLE		OVERHANG POST
(D)	STORM DRAIN MANHOLE		SIGN POST
(T)	TELEPHONE MANHOLE		MAIL BOX
	FIRE HYDRANT		WIRE FENCE
(C)	SEWER CLEANOUT		CHAIN LINK FENCE
	WATER VALVE		BLOCK WALL
	GAS VALVE		TREE
	WATER METER		FLOW DIRECTION
	GAS METER	ICV	IRRIGATION VALVE
[W]	WATER VAULT	T	TRASH ENCLOSURE
[G]	GAS VAULT		GRATE
[T]	TELEPHONE VAULT		SLOPE
[E]	ELECTRIC VAULT	CF	CURB FACE
EPB	ELECTRIC PULLBOX	INV	INVERT
	GUY WIRE	(100.0)	(E)CONTOUR ELEVATION
	LIGHT	100.0	PROPOSED ELEVATION
FS	FINISHED SURFACE		
FF	FINISHED FLOOR		

GENERAL NOTES FOR GRADING

1. A COPY OF THE DIVISION OF STATE ARCHITECT APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE JOB SITE AT ALL TIMES.
2. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CONSTRUCTION MANAGER OR FIELD INSPECTOR THROUGHOUT THE CONSTRUCTION OPERATION AND SHALL INCORPORATE IN BASE BID.
3. THE CONTRACTOR SHALL KEEP A STRICT RECORD OF ALL CHANGES THAT OCCUR DURING CONSTRUCTION PRACTICES AND SUBMIT THIS RECORD TO THE SCHOOL DISTRICT & DSA CERTIFIED AS "RECORD DRAWING" PLANS.
4. ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING STORM DAMAGE PREVENTION MEASURES OR EROSION CONTROL DEVICES AND/OR TO PERFORM CERTAIN GRADING TO PREVENT SOIL OR EXCESS RUNOFF FROM FLOWING INTO PUBLIC STREETS OR ADJACENT PROPERTIES. IN THE EVENT OF SUCH AN OCCURRENCE, CLEANUP SHALL COMMENCE IMMEDIATELY. SHOULD CITY FORCES OR THE CITY CONTRACTOR PERFORM ANY CLEANUP RESULTING FROM THIS DEVELOPMENT, THE CONTRACTOR SHALL PAY THE COST INCURRED WITHIN TEN (10) WORKING DAYS UPON RECEIPT OF BILLING.
6. EITHER WATER OR DUST PALLIATIVE, OR BOTH, MUST BE APPLIED FOR THE ALLEVIATION OR PREVENTION OF EXCESSIVE DUST RESULTING FROM THE LOADING OR TRANSPORTATION OF EARTH FROM OR TO THE PROJECT SITE OR PRIVATE AND PUBLIC ROADWAYS.
7. NO PERSON SHALL, WHEN HAULING ANY EARTH, SAND, GRAVEL, ROCK, STONE OR OTHER EXCAVATED MATERIAL OR DEBRIS OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE, ALLOW SUCH MATERIAL TO BLOW OR SPILL OVER UPON SUCH STREET, ALLEY OR PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY OR ANY WATER BODIES, CREEKS OR STREAMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY CONSTRUCTION OR SOILS MATERIALS DEPOSITED ON THE PUBLIC RIGHT-OF-WAY, PUBLIC WATERS OR ADJACENT PRIVATE PROPERTY.
8. ALL CONSTRUCTION/DEMOLITION, GRADING, AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE LOCAL AQMD RULE 403 FOR FUGITIVE DUST. INFORMATION ON RULE 403 IS AVAILABLE AT AQMD'S WEBSITE HTTP://WWW.AVAQMD.COM.

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EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

CONSTRUCTION STORM WATER NOTE:
GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH NPDES STORM WATER CONSTRUCTION GENERAL PERMIT 2022-0057-DWQ (AS ADOPTED SEPTEMBER 8, 2022)

NOTE TO CONTRACTOR: BEFORE DEMOLITION OR TRENCHING OF ANY KIND OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR. PROVIDE SURVEY TO OWNER PRIOR TO STARTING WORK.

NOTE TO CONTRACTOR: ALONG CANOPY GRADE BEAMS REMOVE CONCRETE FLATWORK TO A MINIMUM DEPTH OF 6". GRIND GRADE BEAMS DOWN TO CLEAR DEPTH OF WALK AND THICKENED EDGE. PROTECT (E)REINFORCING AND DRILL FOR NEW REINFORCING BARS. REFER TO DETAIL GG / C3.00.

NOTE TO CONTRACTOR: WHERE NEW CONCRETE FLATWORK JOINS EXISTING, INSTALL AN EXPANSION JOINT PER DETAIL AA / C3.00. NEW CONCRETE MUST MEET BE FLUSH WITH EXISTING CONCRETE.

CONSTRUCTION NOTES:

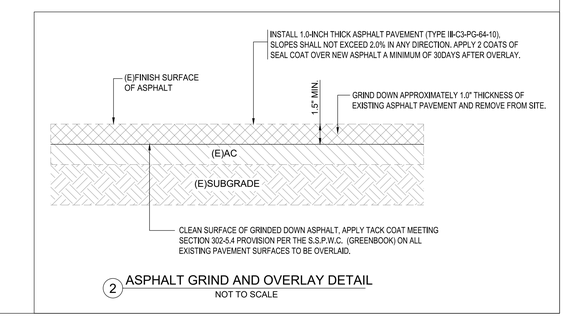
(P) PROTECT EXISTING IMPROVEMENT IN PLACE.
(1) CONSTRUCT CONCRETE PAVEMENT PER DETAIL 1/C3.00.
(2) CLEAN SURFACE OF GRINDED DOWN ASPHALT, APPLY TACK COAT MEETING SECTION 302-5.4 PROVISION PER THE S.S.P.W.C. (GREENBOOK) ON ALL EXISTING PAVEMENT SURFACES TO BE OVERLAID. INSTALL 1.0-INCH THICK ASPHALT PAVEMENT (TYPE III-C3-PG-64-10) , SLOPES SHALL NOT EXCEED 2.0% IN ANY DIRECTION. APPLY 2 COATS OF SEAL COAT OVER NEW ASPHALT A MINIMUM OF 30DAYS AFTER OVERLAY. SEE DETAIL 2 HEREON.
(3) CONSTRUCT HANDRAILS PER ARCHITECTUAL PLANS.
(4) COLUMN WITH BRICK BASE PER STRUCTURAL DRAWINGS.
(5) HYDROSEED TURF TO MATCH EXISTING SPECIES AND MODIFY IRRIGATION PIPES AND HEADS AS NECESSARY.
(6) CONSTRUCT EXTERIOR WALL PER DETAIL 11/S4.1.
(7) CONSTRUCT ASPHALT PAVEMENT PER DETAIL 7/C3.00.
(8) CONSTRUCT GUARD RAIL PER ARCHITECTURAL PLANS.
(9) CONSTRUCT CHAINLINK FENCE PER ARCHITECTURAL PLANS.

SEWER CONSTRUCTION NOTES:

(P) PROTECT EXISTING IMPROVEMENT IN PLACE.
(SA) CONSTRUCT 2" SCH. 40 PVC DWV PIPE & FITTINGS. CONSTRUCT PER TRENCHING DETAIL ON SHEET C3.00.
(SB) CONSTRUCT 4" SDR-35 PVC PIPE. CONSTRUCT PER TRENCHING DETAIL ON C3.00. SLOPE AT A MINIMUM 1.00%.
(S1) CONSTRUCT SEWER CLEAN-OUT & YARD BOX PER DETAIL S2 ON SHEET C015.
(S2) CONNECT TO EXISTING SEWER, OUT OF BUILDING, WITH ANACO-HUSKY 2000 STAINLESS STEEL COUPLING OR APPROVED EQUAL.
(S3) CONNECT EXISTING SEWER LINE TO NEW SEWER LINE WITH APPLICABLE FITTINGS AND ANACO-HUSKY 2000 STAINLESS STEEL COUPLING. CAP DOWNSTREAM EXISTING SEWER LINE WITH FERNCO QWIK CAP.
(S4) CONNECT EXISTING SEWER LINE TO NEW SEWER LINE WITH APPLICABLE FITTINGS AND ANACO-HUSKY 2000 STAINLESS STEEL COUPLING.
(S5) ABANDON EXISTING SEWER LINE IN PLACE.

BELOW GRADE UTILITY LINETYPE LEGEND

SEW	PROPOSED SANITARY SEWER
W	EXISTING POTABLE WATER
SEW	EXISTING SANITARY SEWER
G	EXISTING GAS
E	EXISTING ELECTRICAL/POWER
C	EXISTING COMMUNICATIONS
SD	EXISTING STORM DRAIN



2 ASPHALT GRIND AND OVERLAY DETAIL
NOT TO SCALE

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owner

IBP project number: 21206.00

file name:

drawn by: checked by:

date: 02/21/2025

rev:	date:	description:

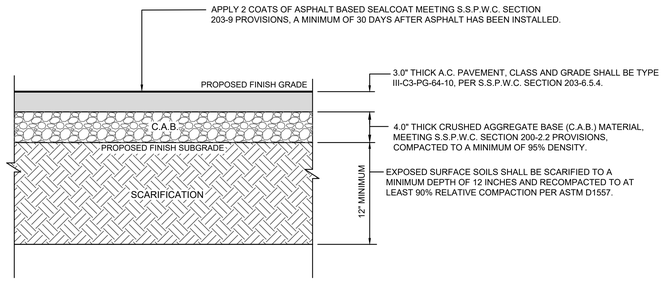
drawing title:

GRADING PLAN

drawing no.:

C2.00

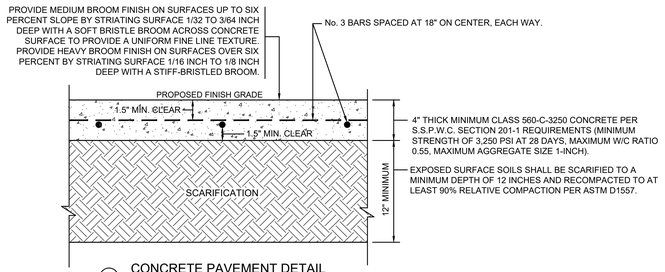
Plot Date: 2/25/2025 2:37:27 PM Last Save By: calvin.wong Login: Calvin Wong S:\Jobs\2757 - TBP Architects\2757b25 - Dibble Adult School\Civil\Dibble C2.00 - Grading Plan.dwg



7 ASPHALT PAVEMENT DETAIL
NOT TO SCALE

FLOOD TEST NOTE:

BEFORE ACCEPTANCE, ALL NEW ASPHALT SHALL BE WATER TESTED TO ENSURE PROPER DRAINAGE AS DIRECTED BY THE INSPECTOR. THE CONTRACTOR SHALL PROVIDE WATER FOR THIS PURPOSE. THE FLOODING SHALL BE DONE BY WATER TANK TRUCK. DEPRESSIONS WHERE THE WATER PONDS TO A DEPTH OF MORE THAN 0.01 FOOT SHALL BE FILLED WITH TYPE E ASPHALT MIX OR THE SLOPE CORRECTED TO PROVIDE PROPER DRAINAGE. THE EDGES OF THE FILL SHALL BE FEATHERED AND SMOOTHED SO THAT THE JOINT BETWEEN THE FILL AND THE ORIGINAL SURFACE IS INVISIBLE. PRACTICAL FIELD MEASUREMENT: 0.01 FOOT = TWO QUARTERS STACKED. NO STANDING WATER SHALL REMAIN AFTER 60 MINUTES ON A 70 DEGREE F (OR WARMER) DAY. INSTALL FIRST COAT OF SEAL COAT ON ASPHALT BEFORE FLOOD TESTING OCCURS.



1 CONCRETE PAVEMENT DETAIL
NOT TO SCALE

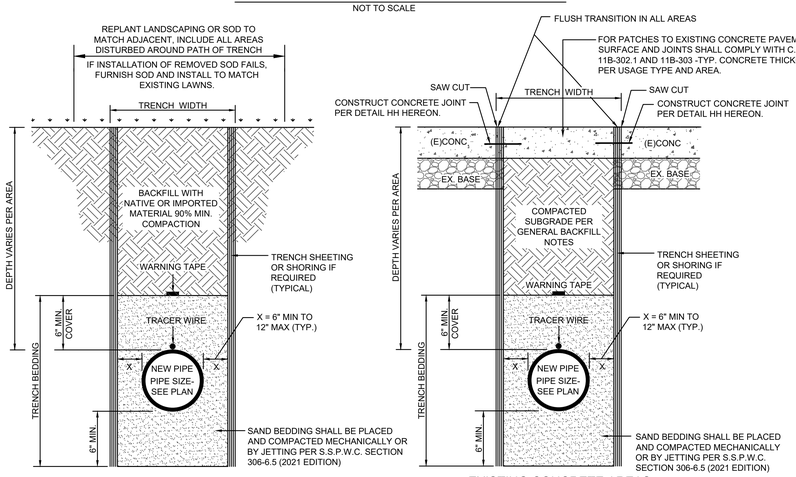
FLOOD TEST NOTE:

BEFORE ACCEPTANCE, ALL NEW CONCRETE SHALL BE WATER TESTED TO ENSURE PROPER DRAINAGE AS DIRECTED BY THE INSPECTOR. THE CONTRACTOR SHALL PROVIDE WATER FOR THIS PURPOSE. THE FLOODING SHALL BE DONE BY WATER TANK TRUCK. DEPRESSIONS WHERE THE WATER PONDS TO A DEPTH OF MORE THAN 0.01 FOOT SHALL BE FILLED OR THE SLOPE CORRECTED TO PROVIDE PROPER DRAINAGE. THE EDGES OF THE FILL SHALL BE FEATHERED AND SMOOTHED SO THAT THE JOINT BETWEEN THE FILL AND THE ORIGINAL SURFACE IS INVISIBLE. PRACTICAL FIELD MEASUREMENT: 0.01 FOOT = TWO QUARTERS STACKED. NO STANDING WATER SHALL REMAIN AFTER 60 MINUTES ON A 70 DEGREE F (OR WARMER) DAY.

NOTE TO CONTRACTOR:
A. THE CONTRACTOR SHALL INSTALL EXPANSION AND CONTROL JOINTS IN CONCRETE FLATWORK PER DETAILS 'AA' THRU 'CC' HEREON. EXPANSION JOINTS IN CONCRETE SHALL NOT EXCEED 30 FEET ON CENTER.
B. CONTRACTOR SHALL FOLLOW DETAILS 'DD' THRU 'FF' HEREON WHEN CONSTRUCTING CONCRETE FLATWORK EDGE TREATMENTS.

UTILITY TRENCHING DETAILS

NOT TO SCALE



NEW OR EXISTING LANDSCAPED AREAS
N.T.S.

EXISTING CONCRETE AREAS
N.T.S.

TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:

EXCAVATION NOTE: THE 2022 CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA) WILL REQUIRE A PERMIT FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE (5) FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND. FOR PERMIT PURPOSES, "DESCEND" MEANS TO ENTER ANY PART OF THE TRENCH OR EXCAVATION ONCE THE EXCAVATION HAS ATTAINED A DEPTH OF 5 FEET OR MORE. FOR REGULATIONS RELATING TO PERMITS FOR EXCAVATIONS AND TRENCHES, REFER TO THE CALIFORNIA CODE OF REGULATIONS TITLE 8, CHAPTER 3.2, ARTICLE 2, SECTION 341 OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA)

THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING; BRACING SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLIES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING MATERIAL SHALL BE COARSE SAND WITH SAND EQUIVALENT OF 30 OR GREATER. NO ANGULAR STONES OR PEA GRAVELS WILL BE ALLOWED IN PIPE BEDDING.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTERS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. BACKFILL DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER. SAND BEDDING SHALL BE PLACED AND COMPACTED MEETING S.S.P.W.C. SECTION 306-6.5 PLACEMENT AND COMPACTION, 2021 EDITION.

SHEETING: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THEN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

GENERAL BACKFILL NOTES:

EXCAVATED TRENCH MATERIAL TO BE INSTALLED FOR BACKFILLING SHALL BE CLEAN, FREE OF LARGE CLODS AND STONES LARGER THAN 3-INCHES IN ANY DIMENSION. INSTALL BACKFILL MATERIALS IN LAYERS NOT TO EXCEED 8 TO 10-INCHES IN THICKNESS. WITHIN PAVEMENT AREAS, THE UPPER 12 INCHES OF SUBGRADE SOILS SHOULD BE COMPACTED TO A MINIMUM 95% AND BELOW THAT A MINIMUM OF 90% PER ASTM D1557.

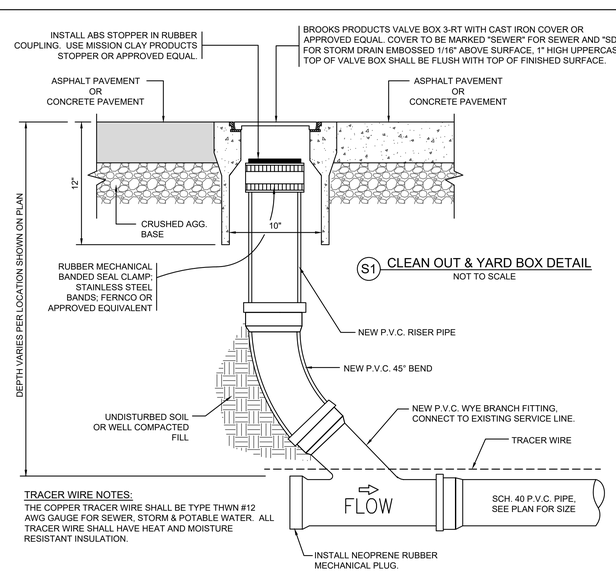
IN LIEU OF USING NATIVE MATERIAL IN PAVED AREAS, THE USE OF A SLURRY BACKFILL MAY BE SUBSTITUTED. SAND SLURRY SHALL CONSIST OF 2 SACK PORTLAND CEMENT (CLASS 200-E-200) PER CUBIC YARD OF SAND SLURRY MIX. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ANY EXCESS BACKFILL MATERIAL FROM THE SITE.

WARNING TAPE NOTES (SANITARY SEWER):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED SEWER LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

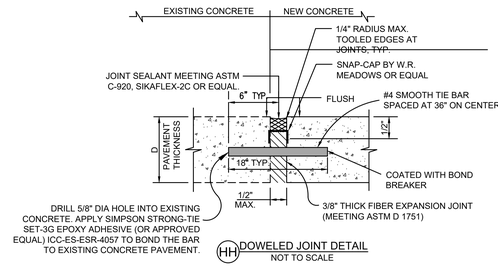
TRACER WIRE NOTES:

COPPER TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC PIPELINES, 2" AND GREATER, JUST ABOVE THE HORIZONTAL CENTERLINE OF THE PIPE. THE COPPER WIRE SHALL BE TYPE THWN #12 AWG GAUGE FOR SEWER, STORM & POTABLE WATER, #14 AWG GAUGE FOR IRRIGATION PIPES AND #18 AWG GAUGE FOR POLYETHYLENE GAS LINES. ALL TRACER WIRE SHALL HAVE HEAT AND MOISTURE RESISTANT INSULATION.

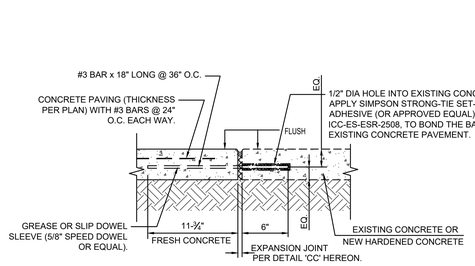


S1 CLEAN OUT & YARD BOX DETAIL
NOT TO SCALE

TRACER WIRE NOTES:
THE COPPER TRACER WIRE SHALL BE TYPE THWN #12 AWG GAUGE FOR SEWER, STORM & POTABLE WATER. ALL TRACER WIRE SHALL HAVE HEAT AND MOISTURE RESISTANT INSULATION.



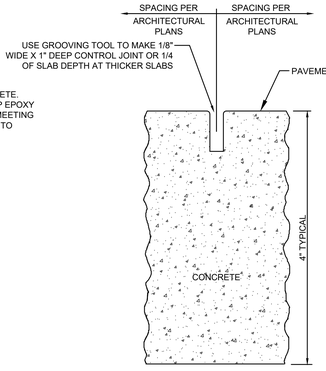
HH DOWELED JOINT DETAIL
NOT TO SCALE



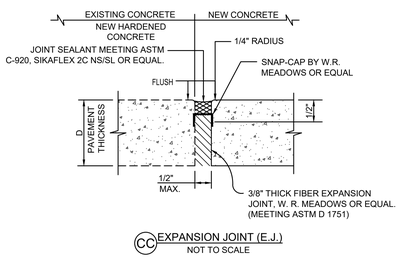
NOTE: 1. VERTICAL CHANGE IN ELEVATION ALONG ACCESSIBLE PATH OF TRAVEL CANNOT EXCEED 1/4" PER CBC 11B-303.2

2. LEVEL CHANGE BETWEEN 1/4"-1/2" MUST BE BEVELED AT 1:2 MAX PER CBC 11B-303.3

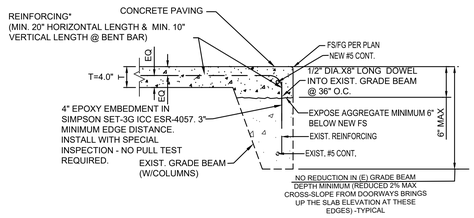
AA EXPANSION JOINT (E.J.) WITH REBAR
NOT TO SCALE



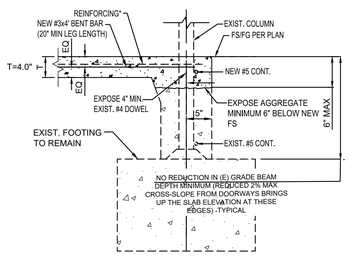
BB CONTROL JOINT (C.J.)
NOT TO SCALE

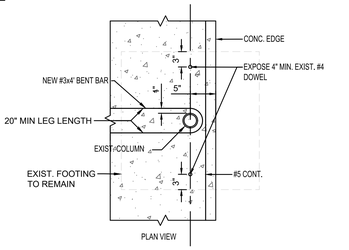


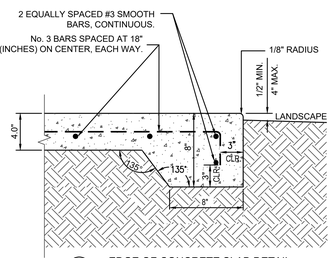
CC EXPANSION JOINT (E.J.)
NOT TO SCALE



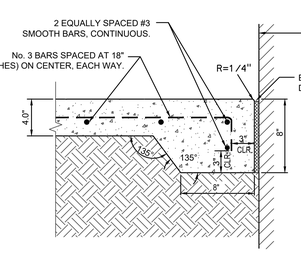
GG TYPICAL PCC EDGE & GRADE BEAM
NOT TO SCALE



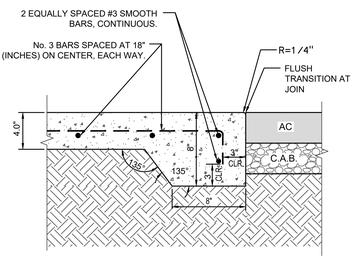




DD EDGE OF CONCRETE SLAB DETAIL
WHERE CONCRETE MEETS SOFTSCAPE
NOT TO SCALE



EE EDGE OF CONCRETE SLAB DETAIL
WHERE CONCRETE MEETS FACE OF BUILDING OR WALLS
NOT TO SCALE



FF EDGE OF CONCRETE SLAB DETAIL
WHERE CONCRETE MEETS HARDSCAPE
NOT TO SCALE

TYP. CONCRETE GENERAL NOTES

1. CONCRETE SHALL BE TYPE II OR V, 560-C-3250. NO FLY ASH
2. EXPANSION JOINTS SHALL BE MADE AT B.C. & E.C. OF ALL RETURNS, AT THE OUTER EDGE OF CURB RAMPS INCLUDING "X" DISTANCES, AND AT UNIFORM INTERVALS.
3. WEAKENED PLANE JOINT, ONE INCH DEEP, SHALL BE CONSTRUCTED AT EQUAL SPACING BETWEEN EXPANSION JOINS IN WALKS & GUTTERS.
4. WEAKENED PLANE JOINTS IN THE CURB & GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE WALK. SHALL NOT BE SAW CUT.
5. LONGITUDINAL LINES ARE REQUIRED IN WALKS/PAVING 10 FEET OR WIDER.
6. WEAKENED PLANE JOINTS IN SIDEWALK SHALL BE CONSTRUCTED WITH DEEP GROOVING TOOL. MINIMUM 1" DEEP. SHALL NOT BE SAW CUT.
7. f'c @ 28 DAYS =3,250 psi, USE LAP SPLICE LENGTHS FOR f'c=3,250 psi.
8. PER DISTRICT STANDARD, NO PUMPED MIX CONCRETE IS PERMITTED DUE TO PEA GRAVEL PROHIBITION FOR PCC MIX DESIGN. AGGREGATE GRADATION SHALL CONFORM TO "C" PER SSPWC.
9. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF EXISTING LANDSCAPING DAMAGED DURING DEMOLITION & CONSTRUCTION ACTIVITIES. A MINIMUM 24" WIDE LANDSCAPE REPAIR IS REQUIRED AT ALL CONCRETE EDGES & CURBS AT LANDSCAPED/PLANTED AREAS AND WILL INCLUDE REMOVAL & DISPOSAL OF EXISTING LANDSCAPING, REPLANTING OF TURF OR OTHER EXISTING PLANTS, AND REGRADING TO BRING THE FINISH GRADE A MINIMUM DISTANCE OF 2" AND A MAXIMUM DISTANCE OF 4" BELOW FINISH SURFACE OF NEW CONCRETE PAVING OR BACK OF CURBS.

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

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HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

file name:

drawn by: checked by:

date: 02/21/2025

rev:	date:	description:

drawing title:

DETAIL SHEET

drawing no.:

C3.00

GENERAL NOTES

1. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. THE OMISSION OR EXPRESSED REFERENCE TO ANY ITEM OF LABOR OR MATERIALS REQUIRED FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT PRACTICE OF THE TRADE SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIALS.

2. THESE PLANS, SPECIFICATIONS, AND ALL MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL LEGAL AND INDUSTRY REQUIREMENTS, AND STANDARDS INCLUDING WITHOUT LIMITATION TO THE FOLLOWING:

   a. CALIFORNIA CODE OF REGULATIONS TITLE 24, PARTS 1 AND 2 (CALIFORNIA BUILDING CODE), 2013 EDITION.

   b. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 3 (CALIFORNIA ELECTRICAL CODE), 2013 EDITION.

   c. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 6 (CALIFORNIA ENERGY CODE), 2013 EDITION.

   d. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9 (CALIFORNIA FIRE CODE), 2013 EDITION.

   e. OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

   f. THE ELECTRICAL SYSTEMS FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").

   g. THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.

   h. THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.

3. THE PLANS REPRESENT ONLY THE FINISHED ELECTRICAL, FIRE ALARM, AND LOW VOLTAGE SYSTEMS, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.

4. IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE ELECTRICAL WORK, EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.

5. IN INTERPRETATING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:

   a. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.

   b. SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE. FIELD VERIFY DIMENSIONS PRIOR TO BID.

6. IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:

   a. BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY-STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED; AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AN ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.

   b. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES..

7. SUBMITTALS WILL BE REVIEWED BY THE ELECTRICAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY-STANDARD PROTOCOL SET FORTH IN A1A DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.

8. IN NO EVENT WILL ANY SITE VISITS BY THE ELECTRICAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

9. COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF ELECTRICAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. ELECTRICAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECEIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.

10. REFER TO THE DRAWINGS AND SHOP DRAWINGS OF OTHER TRADES FOR ADDITIONAL DETAILS WHICH AFFECT THE PROPER INSTALLATION OF THIS WORK.

11. BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE BUILDING, AND ALL BUILDING DRAWINGS WHICH MAY AFFECT THE EXECUTION OF THE WORK. NO EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.

12. PROTECT ALL WORK, MATERIALS AND EQIPMENT FROM DAMAGE FROM ANY CAUSE WHATEVER AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK. PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND REPLACE ALL DAMAGED OR DEFECTIVE WORK, MATERIALS AND EQUIPMENT BEFORE REQUESTING FINAL ACCEPTANCE.

13. THE DRAWINGS INDICATE IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS OF ARRANGEMENT OF THE COMPONENTS OF ELECTRICAL WORK. DETERMINE EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORTS, AND UNDEFINED CONSTRUCTION DETAILS AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE, AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF CONDITIONS ENCOUNTERED. .

14. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO DEVELOPED CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

15. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF EXISTING CONDUITS. THE EXACT ROUTING SHALL BE VERIFIED IN FIELD AND LENGTH OF CONDUCTORS SHALL BE ADJUSTED TO THE LENGTH REQUIRED.

16. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF EXISTING CONDUITS. THE EXACT ROUTING SHALL BE VERIFIED IN FIELD AND LENGTH OF CONDUCTORS SHALL BE ADJUSTED TO THE LENGTH REQUIRED.

17. PERFORM CUTTING AND PATCHING ON THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. PATCHING SHALL BE OF THE SAME MATERIAL, WORKMANSHIP AND FINISH AS SPECIFIED AND ACCURATELY MATCH SURROUNDING WORK TO SATISFACTION OF THE ARCHITECT.

18. PROVIDE ALL EQUIPMENT WITH ENCLOSURES LISTED OR LABELED FOR USE AND LOCATION WHERE SUCH EQUIPMENT IS INSTALLED.

19. PROVIDE UL LISTED FIRE STOP FOR ALL PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS AND CEILINGS TO MAINTAIN ALL FIRE RATINGS. THE FIRE STOP MATERIALS SHALL BE RE-ENTERABLE AND REUSABLE.

20. PROVIDE COORDINATED SHOP DRAWINGS. INDICATING DIMENSIONED LOCATIONS AND SIZES OF ALL CORE DRILLS FOR REVIEW AND APPROVAL. ALL CORE DRILL LOCATIONS SHALL BE VERIFIED AND APPROVED WITH OWNERS REPRESENTATIVE, STRUCTURAL AND ARCHITECT PRIOR TO CORE DRILL. UTILIZE X-RAY EQUIPMENT TO LOCATE AND VERIFY EXISTING STRUCTUREAL ELEMENTS WITHIN SLAB.

21. GROUNDING SHALL BE EXECUTED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, BOTH OF THE STATE OF CALIFORNIA AND LOCAL AUTHORITIES HAVING JURISDICTION.

22. PROVIDE GROUND WIRE IN EACH CONDUIT CONTAINING CIRCUITS FEEDING RECEPTACLES. THE CONDUIT SHALL NOT BE PERMITTED TO SERVE AS THE ONLY ELECTRICAL GROUND RETURN PATH.

23. WHERE CIRCUIT CHANGES OR ADDITIONS OCCUR IN PANELBOARDS UPDATE PANEL DIRECTORY CARDS WITH NEW TYPEWRITTEN CARDS INDICATING DESCRIPTION OF ALL CIRCUITS.

24. PROVIDE HANDLE TIES AT CIRCUIT BREAKERS TO SIMULTAINEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS OF MULTI-WIRE BRANCH CIRCUITS WITH A SHARED NEUTRAL.

25. UNLESS NOTED OTHERWISE ALL 120 VOLT HOMERUNS OVER 100 FEET SHALL BE #10 AWG MINIMUM. ADJUST CONDUIT SIZE ACCORDINGLY.

26. UNLESS NOTED OTHERWISE ALL 277 VOLT HOMERUNS OVER 200 FEET SHALL BE #10 AWG MINIMUM, OVER 300 FEET SHALL BE #8 AWG MINIMUM. ADJUST CONDUIT SIZE ACCORDINGLY.

27. CONDUIT FOR TELEPHONE/DATA CABLING SHALL COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

    a. INSIDE BEND RADIUS SHALL BE AT LEAST 10 TIMES ITS INTERNAL DIAMETER.

    b. PROVIDE PULL BOXES WHENEVER CONDUIT LENGTH EXCEEDS 150 FEET AND WHEN COMBINED BENDS ARE GREATER THAN 180 DEGREES.

    c. ALL CONDUIT SHALL BE PROVIDED WITH INSULATED BUSHINGS.

    d. MAINTAIN A MINIMUM CLEARANCE OF 4 FEET FROM MOTORS AND TRANSFORMERS.

    e. MAINTAIN A MINIMUM CLEARANCE OF 12 INCHES FROM POWER CIRCUITS.

28. COORDINATE MOUNTING HEIGHTS OF RECEPTACLES, SWITCHES, A/V DEVICES, SECURITY DEVICES, ETC. MOUNTED ON COMMON WALLS SO THAT ALL OUTLETS ARE MOUNTED TO ALIGN HORIZONTALLY.

29. NOTIFY THE ARCHITECT IN WRITING WHEN INSTALLATION IS COMPLETE AND THAT A FINAL INSPECTION OF THIS WORK CAN BE PERFORMED. IN THE EVENT DEFECTS OR DEFICIENCIES ARE FOUND DURING THIS FINAL INSPECTION, THEY SHALL BE CORRECTED TO THE SATISFACTION OF THE ARCHITECT BEFORE FINAL ACCEPTANCE CAN BE ISSUED.

30. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT. NEITHER DRILLED NOR NOTCHED. WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

31. CONDUITS RUN ABOVE GRADE: PROVIDE OZ COMPANY TYPE "DX" EXPANSION/DEFLEXION FITTINGS WITH BONDING JUMPER ON ALL CONDUITS AT ALL BUILDING EXPANSION OR SEISMIC JOINT CROSSINGS.

32. ALL FIXED EQUIPMENT CONNECTIONS SHALL BE PROVIDED WITH FLEX JOINTS.

33. LIQUID-TIGHT FLEXIBLE CONDUIT SHALL BE USED WHEN CROSSING BETWEEN SEPARATE STRUCTURES TO ACCOMMODATE DIFFERENTIAL MOVEMENT AND PREVENT DAMAGE TO ELECTRICAL SYSTEMS.

34. ALL NEW CONDUIT SHOULD BE INSTALLED CONCEALED IN WALL AND CEILING SPACE.

35. PROVIDE COVER PLATE FOR ALL EMPTY J-BOXES. PAINT TO MATCH SURROUNDING AREA.

36. ALL NEWLY RELOCATED DEVICES, SPEAKERS, AND PROJECTOR MUST BE RECONNECTED TO THE EXISTING SYSTEM EQUIPMENT. PROVIDE A 1" CONDUIT WITH NEW WIRING THAT MATCHES THE SIZE AND QUANTITY OF THE REMOVED WIRES. ENSURE ALL CONNECTIONS TO THE EXISTING SYSTEM EQUIPMENT ARE PROPERLY MADE FOR A COMPLETE AND OPERABLE SYSTEM U.N.O.

37. ALL CCTV CAMERAS SHALL REMAIN. CONTRACTOR SHALL RECONNECT THEM TO THE EXISTING MDF IF THEY ARE DISCONNECTED DUE TO DEMOLITION ON THIS PROJECT.

MICROPHONE OUTLET,"RS" INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE 1" CONDUIT WITH ONE (1) MICROPHONE CABLE AS SPECIFIED FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA".

SYMBOL LIST

(ALL SYMBOLS NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRIPTIONS ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS.
VERIFY EXACT LOCATIONS AND HEIGHTS OF OUTLETS WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.

AV	AUDIO/VIDEO OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX WITH COVERPLATE AND GROMETTED OPENING, 18" A.F.F. PROVIDE OUTLET BOX, COVERPLATE AND 1 1/2" CONDUIT WITH AUDIO/VIDEO CABLES FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA".
V	AUDIO/VIDEO CONTROL PANEL, ON FLUSH IN WALL MOUNTED OUTLET BOX, +45" A.F.F. PROVIDE OUTLET BOX, COVERPLATE AND 1 1/2" CONDUIT WITH AUDIO/VIDEO CABLES FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA".
Ⓒ	CLOSED CIRCUIT TELEVISION CAMERA ON FLUSH CEILING MOUNTED OUTLET BOX. PROVIDE 1" CONDUIT WITH ONE CAT 6 DATA NETWORK CABLE AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
Ⓒ	CLOSED CIRCUIT TELEVISION CAMERA ON FLUSH WALL MOUNTED OUTLET BOX +108" AFF. PROVIDE 1" CONDUIT WITH ONE CAT 6 DATA NETWORK CABLE AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
K	INTRUSION DETECTION KEYPAD ON FLUSH WALL MOUNTED OUTLET BOX +45" AFF. PROVIDE 1" CONDUIT WITH NEW CABLES AS SPECIFIED FROM THE KEYPAD TO THE INTRUSION DETECTION CONTROL PANEL.
B	BELL CONTROL PANEL ON FLUSH WALL MOUNTED OUTLET BOX +45" AFF. PROVIDE 1" CONDUIT WITH NEW CABLES TO MATCH EXISTING REMOVED FROM THE CONTROLLER TO THE PANEL.
Ⓢ	AUTONOMOUS PUBLIC ADDRESS SPEAKER CEILING MOUNTED. PROVIDE 1" CONDUIT WITH SPEAKER CABLING TO AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA"
—— D1 ——	COMPUTER/DATA PROCESSING SYSTEM - 1"C. WITH ONE (1) DATA NETWORK CABLE AS SPECIFIED. D2 - 1"C. WITH TWO (2) DATA NETWORK CABLES AS SPECIFIED. D3 - 1 1/4"C. WITH THREE (3) DATA NETWORK CABLES AS SPECIFIED. D4 - 1 1/4"C. WITH FOUR (4) DATA NETWORK CABLES AS SPECIFIED.
M	MICROPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
1D ◇	COMPUTER/DATA OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE 1" CONDUIT WITH ONE (1) CAT6 DATA NETWORK CABLE AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
2D ◇	COMPUTER/DATA OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE 1" CONDUIT WITH TWO (2) CAT6 DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
4D ◇	COMPUTER/DATA OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE 1" CONDUIT WITH FOUR (4) CAT6 DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE RESPECTIVE MDF.
2D WAP	COMPUTER/DATA OUTLET WITH TWO (2) OUTLET CONNECTORS ON FLUSH CEILING MOUNTED OUTLET BOX FOR WIRELESS ACCESS POINT. PROVIDE OUTLET BOX, DATA JACKS AND 1" CONDUIT WITH TWO (2) CAT 6 DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
1D RS	DATA OUTLET,"RS" INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE 1" CONDUIT WITH ONE (1) CAT6 DATA NETWORK CABLE AS SPECIFIED FROM THE OUTLET TO THE MDF. WIREMOLD "RFB" SERIES FLOOR BOX OR EQUAL.
M RS	MICROPHONE OUTLET,"RS" INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE 1" CONDUIT WITH ONE (1) MICROPHONE CABLE AS SPECIFIED FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA". WIREMOLD "RFB" SERIES FLOOR BOX OR EQUAL.
AV RS	VIDEO/AUDIO OUTLET,"RS" INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE 1" CONDUIT WITH VIDEO/AUDIO CABLES AS SPECIFIED FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA". WIREMOLD "RFB" SERIES FLOOR BOX OR EQUAL.
RS	DUPLEX CONVENIENCE RECEPTACLE, IN FLUSH FLOOR OUTLET BOX, UNLESS NOTED OTHERWISE. "RS" DESIGNATION INDICATES RECESSED FLOOR BOX WITH MULTI SERVICE FITTINGS, WIREMOLD "RFB" SERIES FLOOR BOX OR EQUAL.
ID	INTRUSION DETECTION SYSTEM MOTION SENSOR, ON FLUSH CEILING MOUNTED OUTLET BOX. PROVIDE 3/4"C-WITH INTRUSION DETECTION CABLING TO INTRUSION DETECTION CONTROL PANEL IN ROOM A-18.
⊕	12" SELF CORRECTING BATTERY OPERATED CLOCK, AMERICAN TIME E56BAQD304, +90" A.F.F. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS.
⊕ L	15" SELF CORRECTING BATTERY OPERATED CLOCK, AMERICAN TIME E66BAQD304. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS.
1D P	COMPUTER/DATA OUTLET WITH ONE (1) OUTLET CONNECTOR ON FLUSH CEILING MOUNTED OUTLET BOX FOR PROJECTOR. PROVIDE OUTLET BOX, DATA JACKS AND 1" CONDUIT WITH ONE (1) CAT 6 DATA NETWORK CABLE AS SPECIFIED FROM THE OUTLET TO THE MDF RACK.
AV P	VIDEO/AUDIO OUTLET ON FLUSH CEILING MOUNTED OUTLET BOX. PROVIDE 1" CONDUIT WITH VIDEO/AUDIO CABLES AS SPECIFIED FROM THE OUTLET TO THE AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK "APA".
E	EXISTING FIRE ALARM PULL STATION TO REMAIN.
E ☒	EXISTING SMOKE DETECTOR TO REMAIN.
E H	EXISTING HEAT DETECTOR TO REMAIN.
E S	EXISTING FIRE ALARM SPEAKER TO REMAIN.
E ☒	EXISTING FIRE ALARM VISUAL/SPEAKER TO REMAIN.
E	EXISTING FIRE ALARM VISUAL TO REMAIN.

A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
AMP, A	AMPERE
A.I.C.	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
AF/AT	AMP FRAME, AMP TRIP
AS/AF	AMP SWITCH, AMP FUSE
CIRC., CKT.	CIRCUIT
CB	CIRCUIT BREAKER
C	CONDUIT
C.O.	CONDUIT ONLY
CONN	CONNECTED
CLCB	CURRENT LIMITING CIRCUIT BREAKER
DIA	DIAMETER
E	EXISTING EQUIPMENT OR DEVICE TO REMAIN. CONTRACTOR SHALL RECONNECT TO EXISTING CIRCUIT IF DISCONNECTED BY DEMOLITION ON THIS PROJECT.
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
E-O-L	END-OF-LINE CIRCUIT TERMINATOR
EF	EXHAUST FAN
ER	EXISTING EQUIPMENT OR DEVICE TO BE DISCONNECTED AND RELOCATED AS INDICATED ON PLANS.
FT OR '	FEET
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HOA	HAND-OFF-AUTO
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
H.,W.,D.,L.	HEIGHT, WIDTH, DEPTH, LENGTH
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IN. OR "	INCHES
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
L.F.	LINEAR FEET
LTG, LTS	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MH	METAL HALIDE
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MTD	MOUNTED
MW	MICROWAVE
NEC	NATIONAL ELECTRIC CODE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
NIC	NOT IN CONTRACT
NO. OR #	NUMBER
NR	NEWLY RELOCATED EXISTING EQUIPMENT OR DEVICE AT LOCATION INDICATED ON PLANS.
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PRIMARY	OVER 600 VOLTS
PH. OR ⦰	PHASE
PROVIDE	FURNISH, INSTALL AND CONNECT
PA	PUBLIC ADDRESS
REC, RECEPT	RECEPTACLE
U.N.O.	UNLESS NOTED OTHERWISE
R	EXISTING EQUIPMENT OR DEVICE TO BE REMOVED. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED CONTROLS, CONDUCTORS, AND CONDUIT AS REQUIRED.

▭	LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
▭	LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
├─o─┤	INDUSTRIAL LIGHTING FIXTURE, SURFACE, CHAIN OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
○	LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED, ON FLUSH CEILING MOUNTED OUTLET BOX.
□	LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
○	LIGHTING FIXTURE, SURFACE OR FLUSH MOUNTED AS INDICATED ON FIXTURE SCHEDULE, ON WALL MOUNTED OUTLET BOX, +90". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
◉ ■	OUTLET ON EMERGENCY OR NIGHT LIGHT LIGHTING CIRCUIT.
⊕	POST TOP LIGHTING STANDARD, POLE MOUNTED LUMINAIRE AND POLE SUPPORT BASE.
◣	LIGHTING FIXTURE WITH LAMPS ON NORMAL AND EMERGENCY LIGHTING CIRCUITS, PROVIDE SEPARATE LAMP BALLASTS AS REQUIRED.
▭ J	LIGHTING FIXTURE RECESSED MOUNTED WITH OUTLET BOX AND REMOTE MOUNTED JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING. PROVIDE FLEXIBLE CONDUIT CONNECTION 6 FT. MAXIMUM LENGTH, 1/2" DIAMETER MINIMUM, FROM JUNCTION BOX TO FIXTURE OUTLET. PROVIDE CONDUCTORS IN CONDUIT, QUANTITY AS REQUIRED FOR INDICATED CIRCUITS AND SWITCHING CONTROLS, #12 (AWG) MINIMUM.
□	LIGHTING STANDARD WITH SINGLE ARM MOUNTED LUMINAIRE AND POLE SUPPORT BASE.
□ □	LIGHTING STANDARD WITH TWIN ARM MOUNTED LUMINAIRES AND POLE SUPPORT BASE.
◐	UPLIGHT, MOUNTED FLUSH WITH FINISH GRADE.
◐	FLOODLIGHTING FIXTURE WITH WEATHERPROOF OUTLET BOX.
	TRACK LIGHTING WITH FIXTURE(S), CEILING, PENDANT, OR WALL MOUNTED, WITH FLUSH OUTLET BOX.
⊗	EXIT SIGN SINGLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX. ARROW INDICATES DIRECTIONAL ARROW ON EXIT SIGN FACE. REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
⊗	EXIT SIGN DOUBLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX. REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
⊗	EXIT SIGN, ON FLUSH WALL MOUNTED OUTLET BOX, +90". REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
2 / 100	FIXTURE SCHEDULE DESIGNATION: "2" INDICATES FIXTURE TYPE, "100" INDICATES FIXTURE TOTAL WATTAGE.
S 2,P a,b	SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING: 2 - DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY P - PILOT LIGHT M - MANUAL MOTOR STARTERS K - KEY OPERATED R - SPDT MOMENTARY CONTACT RELAY SWITCH V - VAPOR PROOF a,b,c,d, ETC. - MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED
$	SWITCH FOR CONTROL OF LOW VOLTAGE LIGHTING RELAY(S), ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE.
•••	3 BUTTON CONTROLLER STATION WITH "OPEN-STOP-CLOSE" BUTTONS ON FLUSH WALL MOUNTED OUTLET BOX +45". SYMBOL INDICATES THE FOLLOWING: K - KEY OPERATED
D	DIMMING SYSTEM LIGHTING CONTROL STATION ON FLUSH IN WALL MOUNTED OUTLET BOX, +45".
L	LOW VOLTAGE LIGHTING ON/OFF CONTROL SWITCH IN FLUSH IN WALL OUTLET BOX, +45".
E	LOW VOLTAGE CLASSROOM LIGHTING ENTRANCE CONTROL STATION IN FLUSH IN WALL OUTLET BOX, +45"
I	LOW VOLTAGE INSTRUCTORS CLASSROOM LIGHTING DIMMING CONTROL STATION IN FLUSH IN WALL OUTLET BOX, +45".
OS	LIGHTING CONTROL OCCUPANCY MOTION SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX. MOUNT CENTERED IN CEILING TILE.
LC	LIGHTING LEVEL CONTROLLER (PHOTO SENSOR) ON FLUSH CEILING MOUNTED OUTLET BOX. MOUNT CENTERED IN CEILING TILE.
	LIGHTING CONTROL OCCUPANCY SENSOR ON FLUSH WALL MOUNTED OUTLET BOX, +45".
⊖	DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
⦶	DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
⊖	DUPLEX CONVENIENCE RECEPTACLE SPLIT WIRED, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
⊖⊖	DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18".
⊟	DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
⊞	DOUBLE DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
⊟	DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH. U.N.O.
WP ⊟	DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN FLUSH WALL MOUNTED ENCLOSURE WITH HINGED DOOR, LOCK AND KEY, +18".
WP ⊖	DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, ON FLUSH WALL MOUNTED OUTLET BOX WITH SPRING DOOR COVER, +18" U.N.O.
LC ⊖	DUPLEX CONVENIENCE RECEPTACLE, SPLIT WIRED, IN FLUSH IN WALL OUTLET BOX, +18". HALF OF DUPLEX RECEPTACLE SHALL BE CONTROLLED BY THE ROOM'S LIGHTING CONTROL SYSTEM IN ACCORDANCE WITH CEC TITLE 24 LIGHTING REQUIREMENTS.
R ⊠	DOUBLE DUPLEX CONVENIENCE RECEPTACLE IN FLUSH FLOOR OUTLET BOX. "R" DESIGNATION INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS, WIREMOLD "RFB" SERIES BOX OR EQUAL.
P ⊠	DUPLEX CONVENIENCE RECEPTACLES, BACK TO BACK, "P" INDICATES PEDESTAL TYPE ON SURFACE MOUNTED OUTLET BOX.
PT ⊠	POKE-THRU FLOOR BOX FOR POWER AND DATA. WALKER RB6.
P ⌀	DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH CEILING MOUNTED OUTLET BOX FOR PROJECTOR.
Ⓙ	JUNCTION BOX, FLUSH WALL MOUNTED, +18" U.N.O.
Ⓙ	JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING OR ON EXPOSED CEILING. U.N.O.
Ⓙ	INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL. U.N.O.
Ⓣ	THERMOSTAT ON FLUSH WALL MOUNTED OUTLET BOX, REFER TO MECHANICAL DRAWINGS FOR HEIGHT AND LOCATION.
A / E-1	PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.
	TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
A / E-1	FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION "DBA", SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.
	TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
	CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.
	TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.
F □	FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.
MCA-11	HOME RUN TO MCA-11, INDICATES MOTOR CONTROL CENTER "MCA" CIRCUIT NO. 11. SEE RESPECTIVE SCHEDULE FOR WIRE AND CONDUIT.
∘ ∘	PUSH BUTTON STATION WITH "STOP-START" PUSH BUTTONS AND RED INDICATING PILOT LIGHT ON FLUSH WALL MOUNTED OUTLET BOX, +45".
————	CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
—— ——	CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.
- - - - - -	CONDUIT, INSTALLED EXPOSED.
---- E ----	EXISTING CONDUIT TO REMAIN U.N.O.
B-5,7,9	HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH SEPARATE NEUTRAL.
————	CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE. 1/2" C - 2 #12, 1#12(GRD) 1/2" C - 3 #12, 1#12(GRD) 3/4" C - 4 #12, 1#12(GRD) 3/4" C - 5 #12, 1#12(GRD) 3/4" C - 6 #12, 1#12(GRD) 1" C - 7 #12, 1#12(GRD) 1" C - 8 #12, 1#12(GRD) 1 1/4" C - 9 #12, 1#12(GRD)
○	CONDUIT RISE UP.

ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐ MD☐ PP☐ E☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ - OPTION 2: SHALL COMPLY WITH APPLICABLE OSHPD PRE-APPROVAL (OPM#) #_______________.

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tBP project number : 21206.00
file name:
drawn by: checked by:
date: 07/01/2024

Rev:	date:	description:

drawing title:
SYMBOL LIST AND GENERAL NOTES

drawing no.:
E-0.1

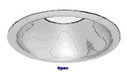
LIGHT FIXTURE SCHEDULE

FBA # 212.331

IMAGE	TYPE	LIGHT FIXTURE DESCRIPTION	FIXTURE MAXIMUM TOTAL INPUT WATTS	FIXTURE MINIMUM LUMEN OUTPUT EFFICIENCY	FIXTURE MOUNTING	LAMP TYPE	LAMP COLOR TEMPERATURE K°	LAMP CRI, NOT LESS THAN	EACH LAMP INITIAL MINIMUM LUMEN OUTPUT	TOTAL ALL LAMPS INITIAL MINIMUM LUMEN OUTPUT	WEIGHT
	10	ACOUSTIC ROUND LED, 17.8" DIA. X 3.9"H, 0-10V DIM, COLOR AS SELECTED BY ARCHITECT. CORONET #LOOP.STFU 18 40 HIGH UNV DB ACP.CENT SD NA NA OR EQUAL	40W	1,760	PENDANT MOUNT ON RECESS J-BOX, BOTTOM OF FIXTURE AT 7'-0"AFF.	LED	4000	90	-	1,760	-
	X1	LED EXIT SIGN, INTEGRAL EMERGENCY BATTERY FOR 90 MINUTES EMERGENCY ILLUMINATION, BRUSHED FACE, GREEN LETTERS, BLACK HOUSING, UNIVERSAL INPUT VOLTAGE. LITHONIA "LE" SERIES OR EQUAL BY EATON, GAROCO	2	-	WALL/CEILING	LED	-			-	4LBS
	SL1	LED WALL SCONCE 11.5"W X 9"H X 7"D, FINISH AS SELECTED BY ARCHITECT, DIE-CAST ALUMINUM HOUSING; INTERGRAL BATTERY, ELECTRONIC LED DRIVER; WET LOCATION LISTED. LITHONIA #WDGE2 LED P4 40K 80CRI VW MVOLT SRM E10WH OR EQUAL BY GARDCO, McGRAW EDISON	35	4526	MOUNT ON NEW SURFACE WALL OUTLET BOX +10'-0" A.F.G.	LED	4000	-	-	4526	15LBS

LIGHT FIXTURE SCHEDULE

FBA # 212.331

IMAGE	TYPE	LIGHT FIXTURE DESCRIPTION	FIXTURE MAXIMUM TOTAL INPUT WATTS	FIXTURE MINIMUM LUMEN OUTPUT EFFICIENCY	FIXTURE MOUNTING	LAMP TYPE	LAMP COLOR TEMPERATURE K°	LAMP CRI, NOT LESS THAN	EACH LAMP INITIAL MINIMUM LUMEN OUTPUT	TOTAL ALL LAMPS INITIAL MINIMUM LUMEN OUTPUT	WEIGHT
	1 1-EM 1A	2'W. X 4'L X 3"D. LED LUMINAIRE WITH SMOOTH REFLECTOR; INTEGRAL DIMMER DRIVER; 0-10V DIMMING DRIVER LITHONIA #STAK 2X4 5000LM 80CRI 40K COL MIN10 ZT MVOLT OR EQUAL BY FOCAL POINT , DAYBRITE SAME AS TYPE A1 EXCEPT WITH INTERGRAL BATTERY UNIT FOR 90 MINUTES OF EMERGENCY LUMINATION. LITHONIA #STAK 2X4 5000LM 80CRI 40K COL MIN10 ZT MVOLT E10WLCP OR EQUAL BY FOCAL POINT , DAYBRITE SAME AS TYPE 1 EXCEPT SURFACE MOUNT	38	5000	RECESSED	LED	4000K	82	-	5000	18LBS
	2A 2A1 2B 2B1 2C	LED DIRECT/INDIRECT LIGHT ACOUSTIC PENDANT; 6'-0" LENGTH, 12" HEIGHT; INTEGRAL DIMMER DRIVER; 0-10V; CUSTOM COLOR AS SELECTED BY ARCHITECT. AXIS SPATIAL SOFT ZONE #SSZ 6FT 12" SLI-700 DSO-400 NE 80 40 XX UNV MD 1 OR EQUAL BY CORONET, FOCAL POINT SAME AS TYPE 2A EXCEPT ACOUSTIC BAFFLE ONLY NO LIGHT. LED DIRECT LIGHT ACOUSTIC PENDANT; 7'-0" LENGTH, 8" HEIGHT; INTEGRAL DIMMER DRIVER; 0-10V; CUSTOM COLOR AS SELECTED BY ARCHITECT. AXIS SPATIAL SOFT ZONE #SSZ 7FT 8" NI DSO-400 NE 80 40 XX UNV MD 1 OR EQUAL BY CORONET, FOCAL POINT SAME AS TYPE 2B EXCEPT ACOUSTIC BAFFLE ONLY NO LIGHT. ACOUSTIC BAFFLE ONLY NO LIGHT; 8" HEIGHT; CUSTOM LENGTH AND SHAPE; COLOR AS SELECTED BY ARCHITECT. REFER TO REFLECTED CEILING PLAN SHEET A2.2 FOR EXACT CUSTOM SIZES AND QUANTITIES. AXIS SPATIAL SOFT ZONE OR EQUAL BY CORONET, FOCAL POINT	66 42	6600 (101LPW) 4200 (101LPW)	PENDANT BOTTOM OF THE FIXTURE AT +10'-11"AFF. REFER TO DETAIL #2 ON SHEET A5.1 FOR ADDITIONAL INFORMATION PENDANT BOTTOM OF THE FIXTURE AT +8'-0"AFF. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS PENDANT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS	LED	4000K	82	-	6600 4200	17LBS 18LBS
	3A 3AEM 3B 3BEM	6" LED RECESSED DOWNLIGHT WITH 1500 LUMEN OUTPUT AND 120-277V 0-10V DIMMING CAPABILITY. GOTHAM #IVO6S D 15LM 40K 80CRI MD MIN10 MVOLT ZT NCH P AR LSS F OR EQUAL BY PORTFOLIO, LIGHTOLIER SAME AS TYPE 3 EXCEPT WITH 6W "E6WR" INTEGRAL EMERGENCY BATTERY PACK. SAME AS TYPE 3A EXCEPT LISTED FOR WET LOCATION AND 2000 LUMEN. SAME AS TYPE 3B EXCEPT WITH 6W "E6WR" INTEGRAL EMERGENCY BATTERY PACK.	15 17.5	1,545 2,046	RECESSED RECESSED	LED	4000K	82	-	1,545 2,046	4LBS 4LBS
	4 4EM	LED PENDANT DOWNLIGHT, 4" APERTURE, 0-10V ALPHABET #BETA 4R S SW 25LM 40K 80 65D SBL WH UNV MIM10 OR EQUAL SAME AS TYPE 4 EXCEPT WITH 10W REMOTE BATTERY UNIT FOR 90 MINUTES OF EMERGENCY LUMINATION.	19	2,540	RIGID PENDANT WITH ADJUSTABLE, 9'-0" AFF	LED	4000K	82	-	2,550	6LBS
	5	LED 4'-0" STRIP LIGHT; SEMI-FROSTED LENS; INTEGRAL DRIVER; CABLE OR SURFACE MOUNT; 0-10V DIMMING. LITHONIA #CLX L48 3000LM SEF FDL MVOLT GR10 40K 80CRI OR EQUAL BY METALUX, HUBBELL	19	3000	SURFACE OR SUSPENDED	LED	4000	80	-	3000	4LBS
	6 6A	COVE LED LIGHT CHANNEL 45 DEGREE TRU COLOR RGBTW SURFACE MOUNT, CLEAR FROSTED LENS, SLIM PROFILE CHANNEL, 1-10V, REFER TO LIGHTING PLANS FOR FIXTURE LENGTH, POWER SUPPLY 120-277VAC INPUT 24VDC OUTPUT, TOUCH SCREEN CONTROL DIMMERS AND CONTROLS, AND ALL REQUIRED COMPONENTS. PURE EDGE #LC45-5W OR EQUAL SAME AS TYPE 6 EXCEPT WITH 4000K COLOR TEMPERATURE. NO RGB.	5W/FT	203LM/FT	SURFACE	LED	RGBTW	80	-	362LM/FT	-
	7A 7B	LED TAPE LIGHT, 0-10V DIM, REFER TO LIGHTING PLANS FOR FIXTURE LENGTH, 80W POWER SUPPLY 120-277VAC INPUT 24VDC OUTPUT. PURE EDGE #ST2A 24V OR EQUAL SAME AS TYPE 7A EXCEPT FOR WET LOCATION. PURE EDGE #SS2C 24V OR EQUAL	2.5W/FT	362LM/FT	SURFACE	LED	4000	80	-	362LM/FT	
	8 8EM	LED 2 3/8"W X LENGTH X 3 1/4"D. RECESSED DIRECT, 0-10V DIM, FLUSH SATIN LENS, REFER TO LIGHTING PLANS FOR FIXTURE LENGTH AXIS #B2SQRLED 800 80 40 SO UNV DP 1 OR EQUAL SAME AS TYPE 8 EXCEPT WITH 6W UNV INTEGRAL BATTERY	6.8W/FT	800LM/FT	RECESSED	LED	4000	80	-	800LM/FT	
	9	LED TRACK STAGE LIGHT, 4"DIA. X 7.5"L, 0-10V DIM, 350° ROTATION, 90° TILT, COLOR AS SELECTED BY ARCHITECT. BRUCK #GX35 35LM 90 50D 120V ECOH OR EQUAL	26W	3,450	PENDANT MOUNT, BOTTOM OF FIXTURE AT 10'-0"AFF.	LED	3500	90	-	3,450	-

FIXTURE NOTES

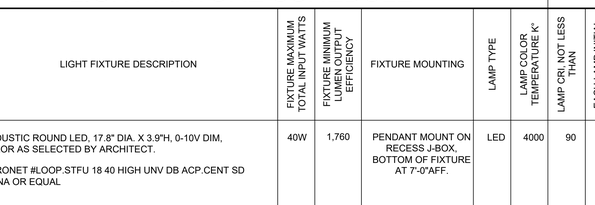
(NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

1. FIXTURES LOCATED OUTDOORS SHALL BE RATED FOR STARTING AND OPERATING TEMPERATURES BELOW 0-DEGREES FAHRENHEIT.
2. FIXTURES WITH THE SAME TYPE # SHALL BE THE PRODUCTS OF THE SAME MANUFACTURER, (I.E., TYPE #1, 1A, 1B, ETC., SHALL BE THE SAME MANUFACTURER).
3. THE CONTRACTOR SHALL VERIFY ACTUAL CEILING AND WALL CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH LIGHTING FIXTURES WITH THE CORRECT AND COMPLETE MOUNTING HARDWARE AND MOUNTING DEVICES TO ACCOMMODATE BUILDING CONSTRUCTION AT EACH INSTALL LOCATION, WHETHER OR NOT SUCH VARIATIONS ARE INDICATED BY THE FIXTURE CATALOG NUMBER.
4. THE CONTRACTOR SHALL VERIFY DEPTH OF ALL RECESSED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES. ANY DISCREPANCIES THAT WILL CAUSE RECESSED FIXTURES NOT TO FIT INTO CEILING/WALL SPACES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO ORDERING FIXTURES.
5. LIGHT FIXTURES RECESSED IN CEILING OR WALL WITH A ONE HOUR OR MORE FIRE RATING BUILDING CONSTRUCTION, EACH FIXTURE SHALL BE ENCLOSED IN A BOX WHICH HAS A FIRE RATING EQUAL TO THAT OF THE BUILDING CONSTRUCTION. PROVIDE MINIMUM OF 3" CLEAR FROM ALL SIDES AND TOP OF RECESSED LIGHT FIXTURES.
6. WALL AND CEILING INSULATION SHALL BE INSTALLED TO ALLOW 3" MINIMUM CLEARANCE FROM BOTTOM, SIDES AND TOP OF RECESSED LIGHT FIXTURES.
7. VERIFY MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT INSTALL LOCATION OF ALL FIXTURES.
9. VERIFY VOLTAGE BEING SUPPLIED TO FIXTURES PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO ORDERING. FIXTURE VOLTAGE SHALL MATCH BRANCH CIRCUITS CONNECTING TO RESPECTIVE FIXTURE.
10. SUSPENDED MOUNT LIGHT FIXTURES THAT MAY STRIKE STRUCTURAL ELEMENTS, WALL OR MECHANICAL DUCT WORK IF SWIVELED AT +45-DEGREES SHALL BE SWAY BRACED WITH AIR CRAFT CABLE TO PREVENT STRIKING SAID APPURTENANCES DURING SEISMIC EVENTS, AS REQUIRED.
11. OCCUPANCY MOTION SENSOR SYSTEM SHALL BE PROVIDED IN EVERY ROOM/SPACE LOCATION THROUGHOUT THE FACILITY AND AS DESCRIBED IN THE SPECIFICATIONS, WHETHER SYMBOLS ARE SHOWN OR NOT SHOWN ON THE PLANS.
12. PROVIDE TESTING CERTIFICATION AND COMMISSIONING OF LIGHTING FIXTURES, INSTALLATION, LIGHTING CONTROL SYSTEM AND LIGHTING SYSTEM OPERATION.
13. CONTRACTOR SHALL COORDINATE INSTALLATION OF RECESSED LIGHTING FIXTURES IN HARD LID OR STUCCO CEILING AREAS WITH FRAMING CONTRACTOR.
14. ALL THE REMOTE DRIVERS SHALL BE LOCATED IN THE ACCESSIBLE CEILING SPACE. IF CEILING SPACE AT THE LOCATION IS NOT ACCESSIBLE, THE CONTRACTOR SHALL PROVIDE A HINGE, SPRING LOADED ACCESS PANEL OPENING IN ALL NON-ACCESSIBLE CEILING SPACES TO ACCOMMODATE REMOTE DRIVERS.

LIGHTING CONTROL RELAY SCHEDULE - LCP

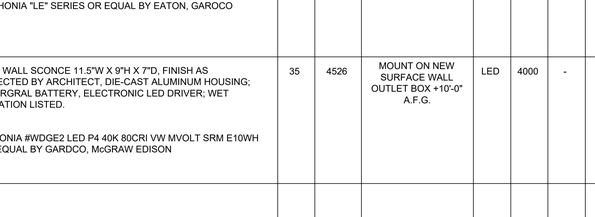
RELAY	CKT. NO.	MASTER SWITCH	AREA CONTROLLED
1	HMP-20	P/P	WALKWAY LIGHTING
2	HMP-22	P/T	WALKWAY LIGHTING
3			SPARE
4			SPARE
5			SPARE
6			SPARE

P/P = PHOTOCELL ON / PHOTOCELL OFF
P/T = PHOTOCELL ON / TIMECLOCK OFF



TYPICAL WIRING DIAGRAM: NPP16 EFP

N.T.S.



TYPICAL WIRING DIAGRAM: NPP16 D EFP

N.T.S.

NOTES:

1. QUANTITY OF OCCUPANCY SENSORS, PHOTOCELLS, SWITCHES, AND ALL DEVICES SHALL BE PER ELECTRICAL PLANS.
2. PROVIDE JUNCTION BOX FOR EACH DIMMER PACK
3. LIGHTING CONTROL DIAGRAM IS BASED ON NLIGHT LIGHTING CONTROL, CONTRACTOR SHALL CONTACT AND COORDINATE WITH MANUFACTURER'S REPRESENTATIVE AS NECESSARY PRIOR TO START OF WORK. DETAIL DRAWING IS TYPICAL DIAGRAM. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY MATERIAL AND LABOR AS NECESSARY FOR A COMPETE LIGHTING CONTROL SYSTEM.
4. NLIGHT CONTACT IF NEEDED: JOE PORTERA JOEP@PERFORMANCELTG.COM

LIGHTING CONTROL DIAGRAM - TYPICAL | SCALE: NONE | 1

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owner

tBP project number : 21206.00
file name:
drawn by: checked by:
date: 07/01/2024

Rev: date: description:

drawing title:
LIGHTING FIXTURE SCHEDULE & DETAILS

drawing no.:
E-0.2

PANEL SCHEDULES

DIBBLE CAMPUS — PROJECT NO. 212 331

VOLTS 277/480 | PHASE 3PH, 4W | MTG SURFACE — PANELBOARD HMP (EXISTING) — LOCATION ELECT. RM. — MAIN 200A | BUS 225A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN		DESCRIPTION		CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN		DESCRIPTION
1	2103	-----	-----	M1	20/3	1	E	FC-1 5HP	A	2	5706	-----	-----	M1	30/3	1	E	HP-1A 20.6MCA
3	-----	2103	-----	M1	--	-	E	----	B	4	-----	5706	-----	M1	--	-	E	----
5	-----	-----	2103	M1	--	-	E	----	C	6	-----	-----	5706	M1	--	-	E	----
7	7313	-----	-----	M1	40/3	1	N	HRU-1 26.4MCA	A	8	5706	-----	-----	M1	30/3	1	E	HP 1B 20.6MCA
9	-----	7313	-----	M1	--	-	N	----	B	10	-----	5706	-----	M1	--	-	E	----
11	-----	-----	7313	M1	--	-	N	----	C	12	-----	-----	5706	M1	--	-	E	----
13	5540	-----	-----	G	30/1	1	N	WH-1	A	14	1100	-----	-----	L	20/1	60	N	INTERIOR LT.
15	-----	5540	-----	G	30/1	1	N	WH-1	B	16	-----	1200	-----	L	20/1	55	N	INTERIOR LT.
17	-----	-----	5540	G	30/1	1	N	WH-1	C	18	-----	-----	1200	L	20/1	52	N	INTERIOR LT.
19		-----	-----		20/1		N	SPARE	A	20	1000	-----	-----	L	20/1	30	N	EXTERIOR LT
21	-----		-----		20/1		N	SPARE	B	22	-----	1000	-----	L	20/1	30	N	EXTERIOR LT
23	-----	-----			20/1		N	SPARE	C	24	-----	-----			20/1		N	SPARE
25		-----	-----					PROVISION	A	26		-----	-----		20/1		N	SPARE
27	-----		-----					PROVISION	B	28	-----		-----		20/1		N	SPARE
29	-----	-----						PROVISION	C	30	-----	-----			20/1		N	SPARE
31		-----	-----					PROVISION	A	32		-----	-----					PROVISION
33	-----		-----					PROVISION	B	34	-----		-----					PROVISION
35	-----	-----						PROVISION	C	36	-----	-----						PROVISION
37		-----	-----					PROVISION	A	38		-----	-----					PROVISION
39	-----		-----					PROVISION	B	40	-----		-----					PROVISION
41	-----	-----						PROVISION	C	42	-----	-----						PROVISION

CONNECTED:

	VA	AMPS
PHASE A =	28468	103
PHASE B =	28568	103
PHASE C =	27568	100
TOTAL =	84604	102

L.C.L. @ 125% = 84980
RECEPT. (> 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% = 16620
TOTAL VA = 101600
TOTAL AMPS = 122

LOAD TYPE:
G - GENERAL (100%) | M - MOTOR (100%)
L - L.C.L. (125%) | M1 - MOTOR (125%)
R - RECEPTACLE (50%) (10 kVA @ 100%) | X - X-RAY (100%)
K - KITCHEN (65%) | X1 - X-RAY (50%)

E - EXISTING CIRCUIT BREAKER TO REMAIN.
N - PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKER A.I.C. CURRENTLY USED.

DIBBLE ADULT SCHOOL — PROJECT NO. 212 331

VOLTS 120/240 | PHASE 1PH, 3W | MTG SURFACE — PANELBOARD PMP1 — LOCATION 1F - ELECT. RM. — MAIN 300/2P | BUS 400/2P

CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	R	20/1	1	VEWDING MACHINE	A	2	800	-----	R	20/1	1	KITCHENETTE REC.
3	-----	500	R	20/1	1	VEWDING MACHINE	B	4	-----	800	R	20/1	1	KITCHENETTE REC.
5	540	-----	R	20/1	3	CONV. REC.	A	6	800	-----	R	20/1	1	KITCHENETTE REC.
7	-----	360	R	20/1	2	CONV. REC.	B	8	-----	800	R	20/1	1	KITCHENETTE REC.
9	500	-----	R	20/1	1	GARBAGE DISPOSAL	A	10	800	-----	R	20/1	1	KITCHENETTE REC.
11	-----			20/1		SPARE	B	12	-----	540	R	20/1	3	STAFF LOUNGE REC.
13		-----		20/1		SPARE	A	14	540	-----	R	20/1	3	STAFF LOUNGE REC.
15	-----			20/1		SPARE	B	16	-----	276	MI	20/2	1	FC-1Q BS-1 2.4MCA
17		-----		20/1		SPARE	A	18	276	-----	MI	--	--	---
19	-----			20/1		SPARE	B	20	-----	276	MI	20/2	1	FC-22.3 MCA
21		-----		20/1		SPARE	A	22	276	-----	MI	--	--	---
23	-----					PROVISION	B	24	-----	276	MI	20/2	1	FC-32.3 MCA
25		-----				PROVISION	A	26	276	-----	MI	--	--	---
27	-----					PROVISION	B	28	-----	276	MI	20/2	1	FC-42.3 MCA
29		-----				PROVISION	A	30	276	-----	MI	--	--	---
31	-----					PROVISION	B	32	-----	276	MI	20/2	1	FC-52.3 MCA
33		-----				PROVISION	A	34	276	-----	MI	--	--	---
35	-----					PROVISION	B	36	-----			20/1		SPARE
37		-----				PROVISION	A	38		-----		20/1		SPARE
39	-----	3060	G	100/2	1	PANEL PMP2	B	40	-----	2480	G	100/2	1	PANEL PMP3
41	1800	-----	G	---	--	---	A	42	2480	-----	G	---	--	---

CONNECTED:

	VA	AMPS
PHASE A =	10140	85
PHASE B =	9920	83
TOTAL =	20060	84

L.C.L. @ 125% =
RECEPT. (> 10 kVA @ 50%) = 7480
KITCHEN @ 65% =
OTHER LOAD @ 100% = 12580
TOTAL VA = 20060
TOTAL AMPS = 84

LOAD TYPE:
G - GENERAL (100%) | M - MOTOR (100%)
L - L.C.L. (125%) | M1 - MOTOR (125%)
R - RECEPTACLE (50%) (10 kVA @ 100%) | X - X-RAY (100%)
K - KITCHEN (65%) | X1 - X-RAY (50%)

DIBBLE ADULT SCHOOL — PROJECT NO. 212 331

VOLTS 120/240 | PHASE 1PH, 3W | MTG SURFACE — PANELBOARD PMP2 — LOCATION 1F - ELECT. RM. — MAIN 100A/2P | BUS 100A

CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	G	20/1	1	PROSECTOR SCREEN	A	2	1000	-----	R	20/1	1	APA RACK REC.
3	-----	360	R	20/1	2	FLOOR REC.	B	4	-----	720	R	20/1	4	CONV. REC.
5	300	-----	L	20/1	8	TRACK LIGHTS	A	6	540	-----	R	20/1	3	CONV. REC.
7	-----			20/1		SPARE	B	8	-----	720	R	20/1	4	CONV. REC.
9		-----		20/1		SPARE	A	10	720	-----	R	20/1	4	CONV. REC.
11	-----			20/1		SPARE	B	12	-----			20/1		SPARE
13		-----		20/1		SPARE	A	14		-----		20/1		SPARE
15	-----			20/1		SPARE	B	16	-----			20/1		SPARE
17		-----		20/1		SPARE	A	18		-----		20/1		SPARE
19	-----			20/1		SPARE	B	20	-----					PROVISION
21		-----				PROVISION	A	22		-----				PROVISION
23	-----					PROVISION	B	24	-----					PROVISION
25		-----				PROVISION	A	26		-----				PROVISION
27	-----					PROVISION	B	28	-----					PROVISION
29		-----				PROVISION	A	30		-----				PROVISION
31	-----					PROVISION	B	32	-----					PROVISION
33		-----				PROVISION	A	34		-----				PROVISION
35	-----					PROVISION	B	36	-----					PROVISION
37		-----				PROVISION	A	38		-----				PROVISION
39	-----					PROVISION	B	40	-----					PROVISION
41		-----				PROVISION	A	42		-----				PROVISION

CONNECTED:

	VA	AMPS
PHASE A =	3060	26
PHASE B =	1800	15
TOTAL =	4860	20

L.C.L. @ 125% = 375
RECEPT. (> 10 kVA @ 50%) = 4060
KITCHEN @ 65% =
OTHER LOAD @ 100% = 500
TOTAL VA = 4935
TOTAL AMPS = 21

LOAD TYPE:
G - GENERAL (100%) | M - MOTOR (100%)
L - L.C.L. (125%) | M1 - MOTOR (125%)
R - RECEPTACLE (50%) (10 kVA @ 100%) | X - X-RAY (100%)
K - KITCHEN (65%) | X1 - X-RAY (50%)

DIBBLE ADULT SCHOOL — PROJECT NO. 212 331

VOLTS 120/240 | PHASE 1PH, 3W | MTG SURFACE — PANELBOARD PMP3 — LOCATION 1F - ELECT. RM. — MAIN 100A/2P | BUS 100A

CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	G	20/1	1 *	FACP	A	2	100	-----	MI	20/1	3	EF-1,2,3
3	-----	500	G	20/1	1 *	FIRE ALARM AMP	B	4	-----	100	G	20/1	1	DOOR BUZZER
5	720	-----	R	20/1	4	CONV. REC	A	6				20/1		SPARE
7	-----	720	R	20/1	4	CONV. REC	B	8	-----			20/1		SPARE
9	720	-----	R	20/1	1	CONV. REC	A	10		-----		20/1		SPARE
11	-----	720	R	20/1	1	CONV. REC	B	12	-----			20/1		SPARE
13	540	-----	R	20/1	3	CONV. REC	A	14		-----		20/1		SPARE
15	-----	540	R	20/1	3	CONV. REC	B	16	-----			20/1		SPARE
17		-----				SPARE	A	18		-----		20/1		SPARE
19	-----					SPARE	B	20	-----			20/1		SPARE
21		-----				SPARE	A	22		-----		20/1		SPARE
23	-----					SPARE	B	24	-----			20/1		SPARE
25		-----				PROVISION	A	26		-----				PROVISION
27	-----					PROVISION	B	28	-----					PROVISION
29		-----				PROVISION	A	30		-----				PROVISION
31	-----					PROVISION	B	32	-----					PROVISION
33		-----				PROVISION	A	34		-----				PROVISION
35	-----					PROVISION	B	36	-----					PROVISION
37		-----				PROVISION	A	38		-----				PROVISION
39	-----					PROVISION	B	40	-----					PROVISION
41		-----				PROVISION	A	42		-----				PROVISION

CONNECTED:

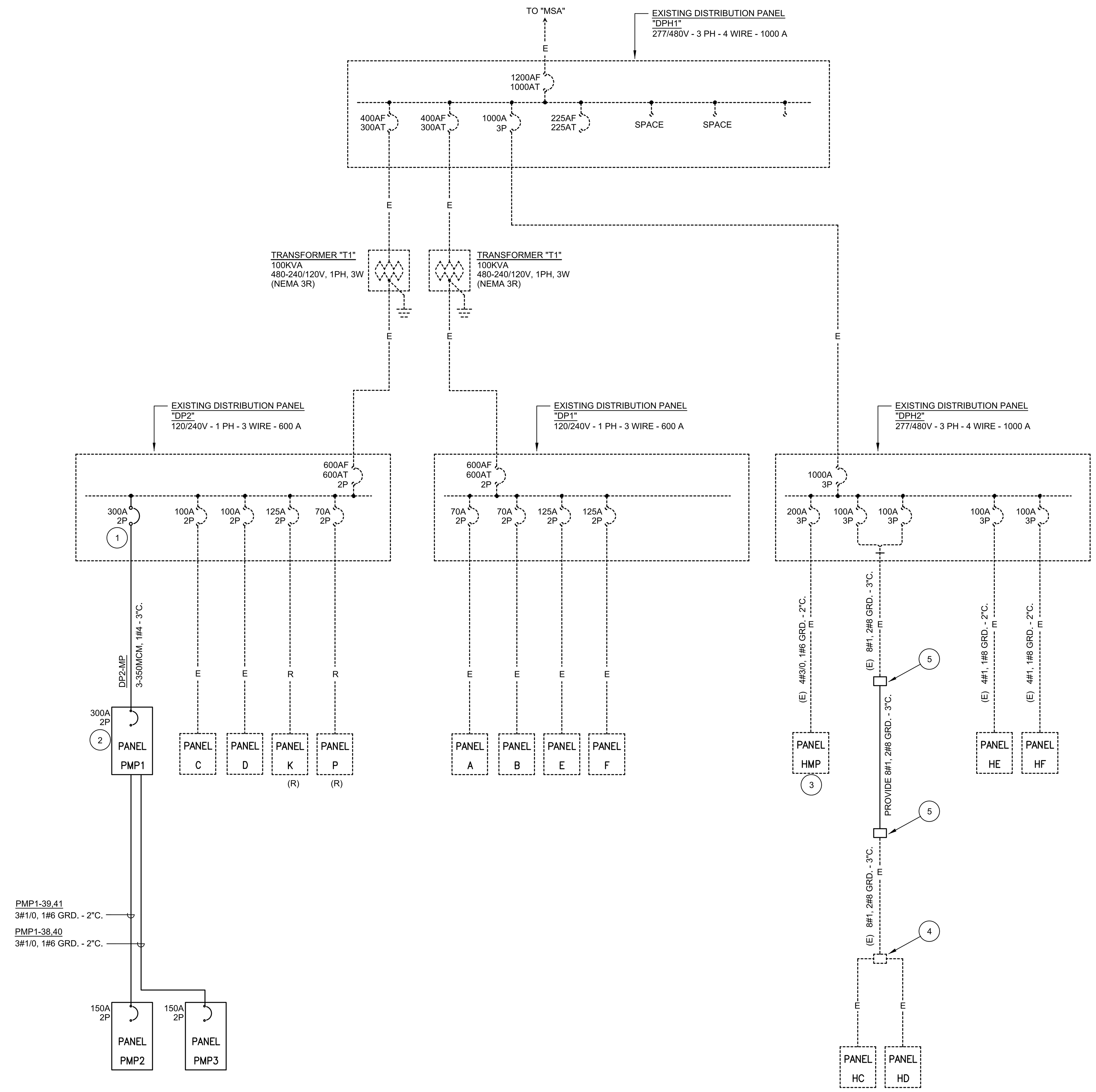
	VA	AMPS
PHASE A =	2580	22
PHASE B =	2580	22
TOTAL =	5160	22

L.C.L. @ 125% =
RECEPT. (> 10 kVA @ 50%) = 3960
KITCHEN @ 65% =
OTHER LOAD @ 100% = 1200
TOTAL VA = 5160
TOTAL AMPS = 22

LOAD TYPE:
G - GENERAL (100%) | M - MOTOR (100%)
L - L.C.L. (125%) | M1 - MOTOR (125%)
R - RECEPTACLE (50%) (10 kVA @ 100%) | X - X-RAY (100%)
K - KITCHEN (65%) | X1 - X-RAY (50%)

*PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.

SINGLE LINE DIAGRAM



PLAN NOTES:

1. PROVIDE NEW CIRCUIT BREAKER IN SPACE OF EXISTING DISTRIBUTION BOARD MATCH A.I.C. RATING OF DEVICES CURRENTLY USED. PROVIDE ALL REQUIRED MOUNTING HARDWARE.
2. PROVIDE A PERMANENT ATTACHED IDENTIFICATION LABEL INDICATING THAT ANOTHER BUILDING'S MAIN IS IN PANEL "HMP".
3. PROVIDE A PERMANENT ATTACHED IDENTIFICATION LABEL ON THE PANEL INDICATING THAT ANOTHER BUILDING'S MAIN IS IN PANEL "PMP1".
4. EXISTING POWER PULLBOX ON THE CANOPY.
5. NEW POWER POWER PULLBOX ON THE CANOPY. REFER TO SITE ELECTRICAL PLANS ON SHEET E-1.0 FOR ADDITIONAL INFORMATION.

NOTE:

DASHED (-----------) LINEWORK INDICATES EXISTING FEEDERS, DEVICES, ETC TO REMAIN U.N.O.

DASHED (---RE---) LINEWORK INDICATES EXISTING FEEDERS/CONDUCTORS TO BE REMOVED.

SOLID (———) LINEWORK INDICATES PROVIDE NEW ELECTRICAL EQUIPMENT, FEEDERS, ETC. IN THIS SCOPE OF WORK.

agency

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FBA Job Number: 212 331

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ADMINISTRATION BUILDING RENOVATION
DIBBLE ADULT SCHOOL
1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745
HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

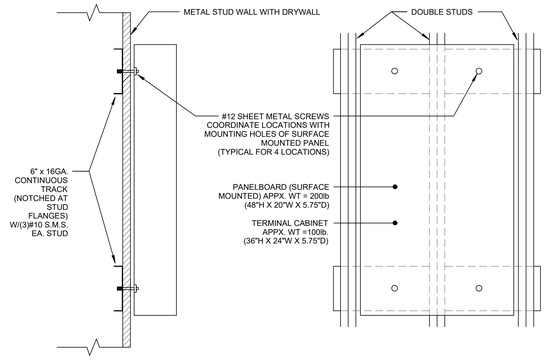
tBP project number : 21206.00
file name:
drawn by: checked by:
date: 07/01/2024

Rev:	date:	description:

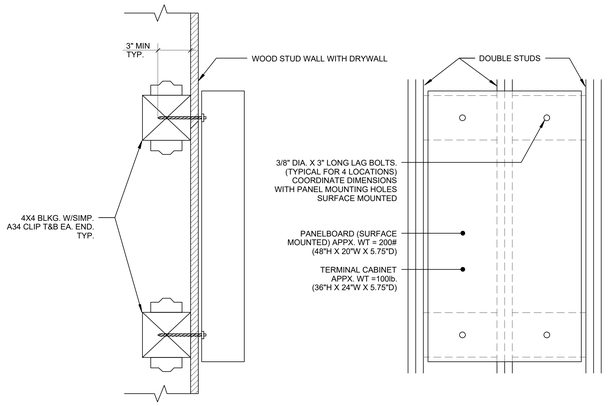
drawing title:
SINGLE LINE DIAGRAM AND PANEL SCHEDULES

drawing no.:
E-0.3

FBA Engineering / Plot Date: 2/28/2025 9:11 AM / Plotted by: Brandon Nguyen / Drawing Location: I:\21\21331\E-0.3_212331 Single Line Diagram and Panel Schedules.dwg

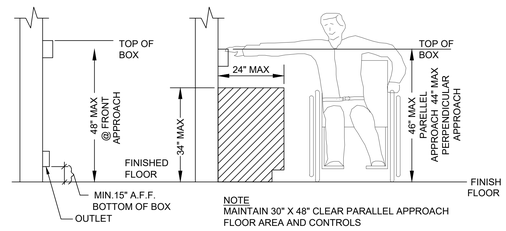


METAL STUD WALL



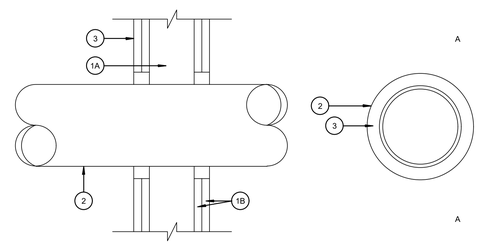
WOOD STUD WALL

PANELBOARD/TERM. CAB. ANCHORAGE STUD WALL - SURFACE | SCALE: NONE | 3



NOTE
MAINTAIN 30" X 48" CLEAR PARALLEL APPROACH FLOOR AREA AND CONTROLS

MOUNTING HEIGHT OVER OBSTRUCTION | SCALE: NONE | 1



SECTION A-A

System No. W-L-1054
F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft

1. WALL ASSEMBLY -- THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED THE MATERIALS AND IN THE MANNER SPECIFIED IN OF THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM. OF THE PENETRATING ITEM SUCH THAT WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.

   GYPSUM BOARD* -- 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.

2. THROUGH-PENETRANTS -- ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE -- NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE -- NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

   C. CONDUIT -- NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.

   D. COPPER TUBING -- NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

   E. COPPER PIPE -- NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FILL, VOID OR CAVITY MATERIAL* -- SEALANT -- MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL .

   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC -- FS-ONE SEALANT
   *BEARING THE UL CLASSIFICATION MARK

RATED STUD WALL FIRE STOP DETAIL | SCALE: NONE | 2

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consultant

ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number : 21206.00
file name:
drawn by: checked by:
date: 07/01/2024

Rev:	date:	description:

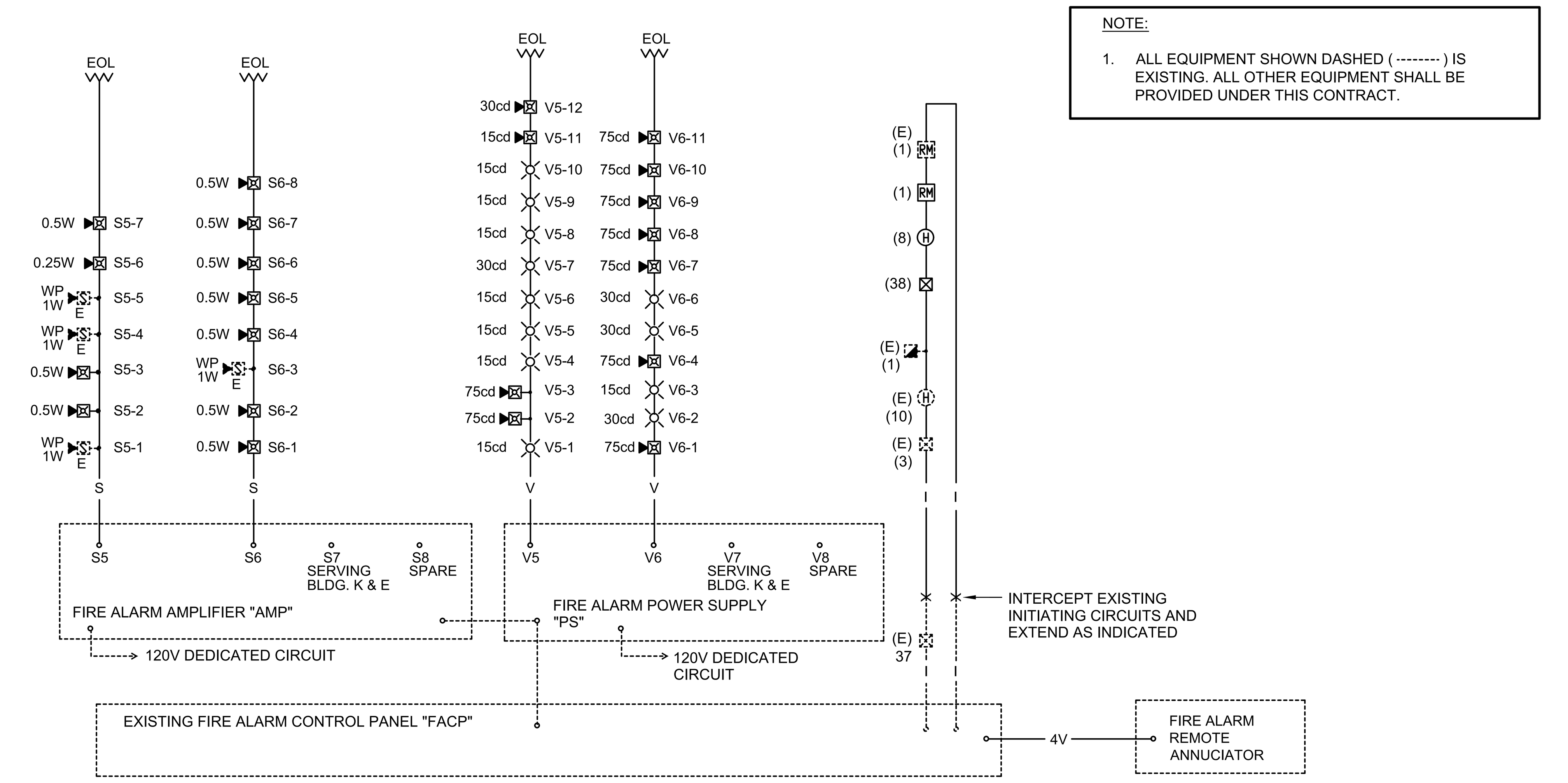
drawing title:
DETAILS

drawing no.:
E-0.4

FIRE ALARM EQUIPMENT SCHEDULE

ITEM DESCRIPTION	SYMBOL	MOUNTING	CATALOG NUMBER	CSFM LISTING NUMBER	NOTES
EXISTING FIRE ALARM VOICE EVAC CONTROL PANEL "FACP"	(E)	+48"	FARENHYT IFP-2000ECS	7165-0559:0160	
EXISTING FIRE ALARM POWER SUPPLY "PS"	(E)	+48"	FARENHYT 5496	7165-0559:0160	0.040A 0.160A
EXISTING FIRE ALARM AMPLIFIER "AMP"	(E)	+48"	FARENHYT ECS-DUAL50W	7165-0559:0505	0.110A 1.400A
MANUAL PULL STATION ON FLUSH WALL MOUNTED OUTLET BOX	(E)	+48"	FARENHYT IDP-PULL-DA	7150-0559:0157	0.0003A 0.0003A
SMOKE DETECTOR PHOTOELECTRIC TYPE ON FLUSH OUTLET BOX CEILING MOUNTED		CEILING	FARENHYT IDP-PHOTO B210LP BASE	7272-0559:0149	0.0003A 0.006A
HEAT DETECTOR ON SURFACE ATTIC MOUNTED OUTLET BOX	H	IN ATTIC	FARENHYT IDP-HEAT-HT B210LP BASE	7270-0559:0147	0.0003A 0.006A
ADDRESS RELAY MODVLE			FARENHYT IDP-RELAY	7300-0559:0155	0.0003A 0.0003A
WEATHERPROOF SPEAKER ON WEATHERPROOF SURFACE MOUNTED OUTLET BOX.	WP 1W	+90"	SYSTEM SENSOR SPRK	7320-1653:0201	0.01A
COMBINATION SPEAKER AND VISUAL DEVICE ON FLUSH CEILING MOUNTED OUTLET BOX.	15,30,75cd 0.25W 0.50W	CEILING	SYSTEM SENSOR SPSC	7320-1653:0201	30, 75 CANDELA MINIMUM PER U.L. STANDARD 1971 0.066A, 0.094A, 0.158A 0.004A, 0.008A
COMBINATION SPEAKER AND VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX.	15,30,75cd 0.25W 0.50W	CEILING	SYSTEM SENSOR SPSC	7320-1653:0201	30, 75 CANDELA MINIMUM PER U.L. STANDARD 1971 0.066A, 0.094A, 0.158A 0.004A, 0.008A
VISUAL DEVICE ON FLUSH WALL CEILING MOUNTED OUTLET BOX.	15cd	CEILING	SYSTEM SENSOR SCW	7125-1653:0186	15 CANDELA MINIMUM PER U.L. STANDARD 1971 0.066A

FIRE ALARM RISER DIAGRAM



NOTE:
1. ALL EQUIPMENT SHOWN DASHED (--------) IS EXISTING. ALL OTHER EQUIPMENT SHALL BE PROVIDED UNDER THIS CONTRACT.

FIRE ALARM SYSTEM NOTES

FIRE ALARM COMPLETE PLAN SUBMITTAL

FIRE ALARM NOTE:
FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH CFC-901.1 AND 907.1.1.

1.0 PROJECT INFORMATION

A. OCCUPANCY GROUP
EXISTING OCCUPANCY TYPES A,B & E

B. CONSTRUCTION TYPE
EXISTING CONSTRUCTION TYPE V-B

C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24. REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDOR(S), OCCUPANCY SEPARATION(S) AND AREA SEPARATION WALL(S).

D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.

E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1

F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC VOICE EVACUATION SYSTEM.

2.0 APPLICABLE CODES AND STANDARDS

A. PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020*

2022 BUILDING ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.*
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2018 INTERNATIONAL BUILDING CODE VOL. 1-2 AND 2019 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
REGULATIONS OF THE STATE FIRE MARSHAL, C.C.R. TITLE 19

B. PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 101	LIFE SAFETY CODE	2018 EDITION
NFPA 110	EMERGENCY AND STANDBY POWER SYSTEMS	2016 EDITION
ICC 300	STANDARDS ON BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS	2017 EDITION
UL 268	SMOKE DETECTOR FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2009 EDITION
UL 464	AUDIBLE SIGNAL APPLIANCES	2003 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION W/ REVISIONS THROUGH JULY 20, 2005	
UL 864	CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2003 EDITION W/ REVISIONS THROUGH DECEMBER 2014	

3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS -BUILT DRAWINGS AND EQUIPMENT SPECIFICATIONS.

4.0 NFPA 72 CHAPTER 10,14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.

5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5; CFC 901.5.1 RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14) SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT, CFC 907.9.4

6.0 CONTRACTOR SHALL PROVIDE 24 HOUR FIRE WATCH IN CASE EXISTING CAMPUS FIRE ALARM SYSTEM IS SHUTDOWN OR DURING THE DURATION OF THE CONSTRUCTION PHASE.(IF APPLICABLE TO THE PROJECT). REFER TO DSA DOCUMENT IR F-2 FOR MORE INFORMATION AND REQUIREMENTS.

FIRE ALARM BATTERY CALCULATIONS

EXISTING FIRE ALARM CONTROL PANEL "FACP"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(38) SMOKE DETECTOR	0.011	0.011
(8) HEAT DETECTOR	0.0024	0.0024
TOTAL	00134	0.0134

TOTAL NEW STANDBY CURRENT X 60 HOURS = 0134A x 60 HOURS = 0.804 A-HR
TOTAL NEW ALARM CURRENT X 15 MINUTES = 0.0134 x 0.25HR = 0.003 A-HR
TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 0.807 A-HR

NOTES:
1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 15 MINUTES ALARM.
2. THE EXISTING SPARE BATTERY STANDBY POWER = 34 A-HR. NO ADDITIONAL BATTERY IS REQUIRED.

EXISTING 50 WATT AMPLIFIER "AMP

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) 0.25W SPEAKER	———	0.004
(10) 0.50W SPEAKER	———	0.080
(4) 1W SPEAKER	———	0.056
TOTAL	0.000	0.140

TOTAL STANDBY CURRENT X 60 HOURS = 0.000 x 60 HOURS = 0.000 A-HR
TOTAL NEW ALARM CURRENT X 15 MINUTES = 0.140 A x 0.250 HR = 0.035 A-HR
TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 0.035 A-HR

NOTES:
1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 15 MINUTES ALARM.
2. THE EXISTING SPARE BATTERY STANDBY POWER = 9 A-HR. NO ADDITIONAL BATTERY IS REQUIRED.

EXISTING FIRE ALARM POWER SUPPLY " PS"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(9) 15cd STROBE	———	0.0.594
(5) 30cd STROBE	———	0.470
(9) 75cd STROBE	———	1.422
TOTAL	0.000	2.486

TOTAL STANDBY CURRENT X 60 HOURS = 0.000 x 60 HOURS = 0.000 A-HR
TOTAL NEW ALARM CURRENT X 15 MINUTES = 2.486 A x 0.250 HR = 0.622 A-HR
TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 0.622 A-HR

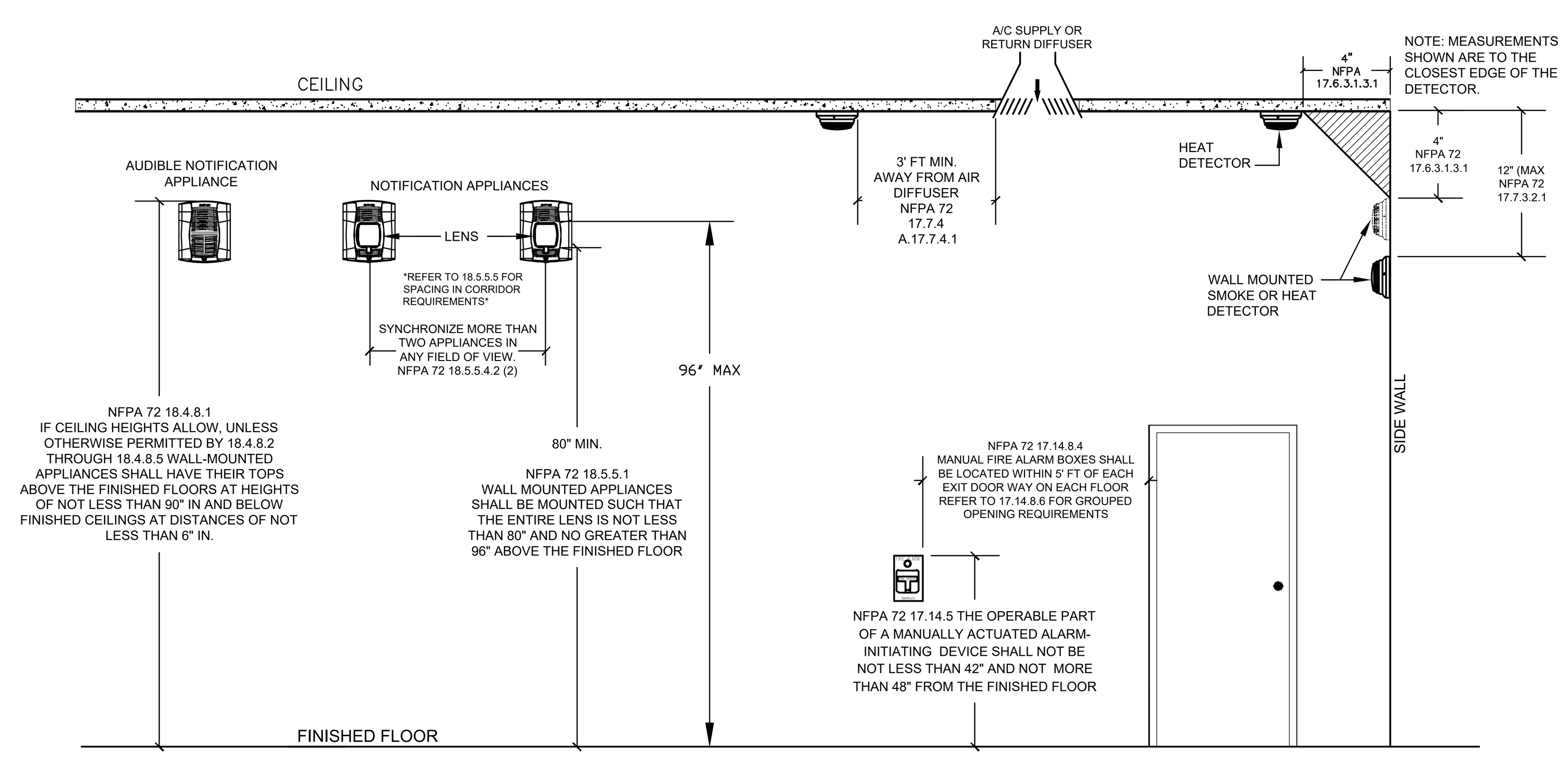
NOTES:
1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 15 MINUTES ALARM.
2. THE EXISTING SPARE BATTERY STANDBY POWER= 3.5 A-HR. NO ADDITIONAL BATTERY IS REQUIRED .

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS

ACTION \ DEVICE	AREA SMOKE DETECTOR	ATTIC HEAT DETECTOR	GROUND FAULT	SHORT CIRCUIT	LOW BATT	FAVE 120VAC POWER FAIL	NOTES
ANNUNCIATE ALARM CONDITION AT FACP AND REMOTE ANNUNCIATOR	X	X					
ANNUNCIATE SUPERVISORY CONDITION AT FACP AND REMOTE ANNUNCIATOR			X	X	X		
ANNUNCIATE TROUBLE CONDITION AT FACP AND REMOTE ANNUNCIATOR	X (WIRING FAULT)	X (WIRING FAULT)	X	X	X	X	[1]
ACTIVATE AUDIBLE/VISUAL SIGNALS THROUGHOUT CAMPUS/FACILITY (ALARM)	X	X					
CONTACT CENTRAL STATION	X	X	X	X	X	X	

NOTES:
[1] INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.

FIRE ALARM SYSTEM DEVICE MOUNTING ELEVATION / NOTES



VOLTAGE DROP CALCULATIONS

LOCATION	CIRCUIT #	SERVICE TO	DISTANCE (FEET)	CONDUCTOR SIZE (AWG)	LOAD BREAKDOWN	LOAD CIRCUIT TOTAL (AMPS)	VOLTS DROPPED (PERCENT)
BUILDING MP	V5	VISUAL DEVICES	200	12	8 @ 0.066 2 @ 0.094 2 @ 0.158	1.032	2.84
BUILDING MP	S5	SPEAKER DEVICES	200	18	1 @ 0.004 3 @ 0.008 3 @ 0.014	0.070	0.267
BUILDING MP	V6	VISUAL DEVICES	250	12	1 @ 0.066 3 @ 0.094 7 @ 0.158	1.454	5.01
BUILDING MP	S6	SPEAKER DEVICES	250	18	0 @ 0.004 7 @ 0.008 1 @ 0.014	0.070	0.333

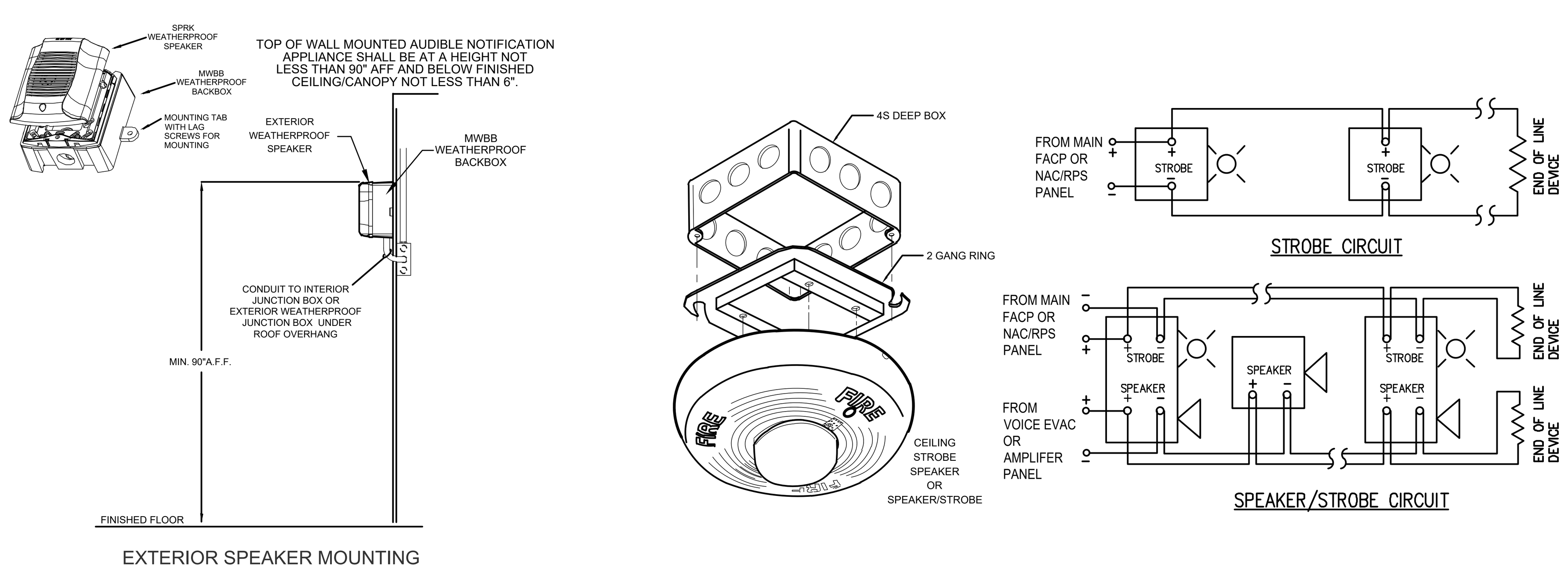
NOTE: WORST CASE

FORMULA: $\frac{\text{AMPS X DISTANCE X 21.6}}{\text{CIRC. MILS}} \times \frac{100}{\text{VOLTS}} =$ % DROPPED

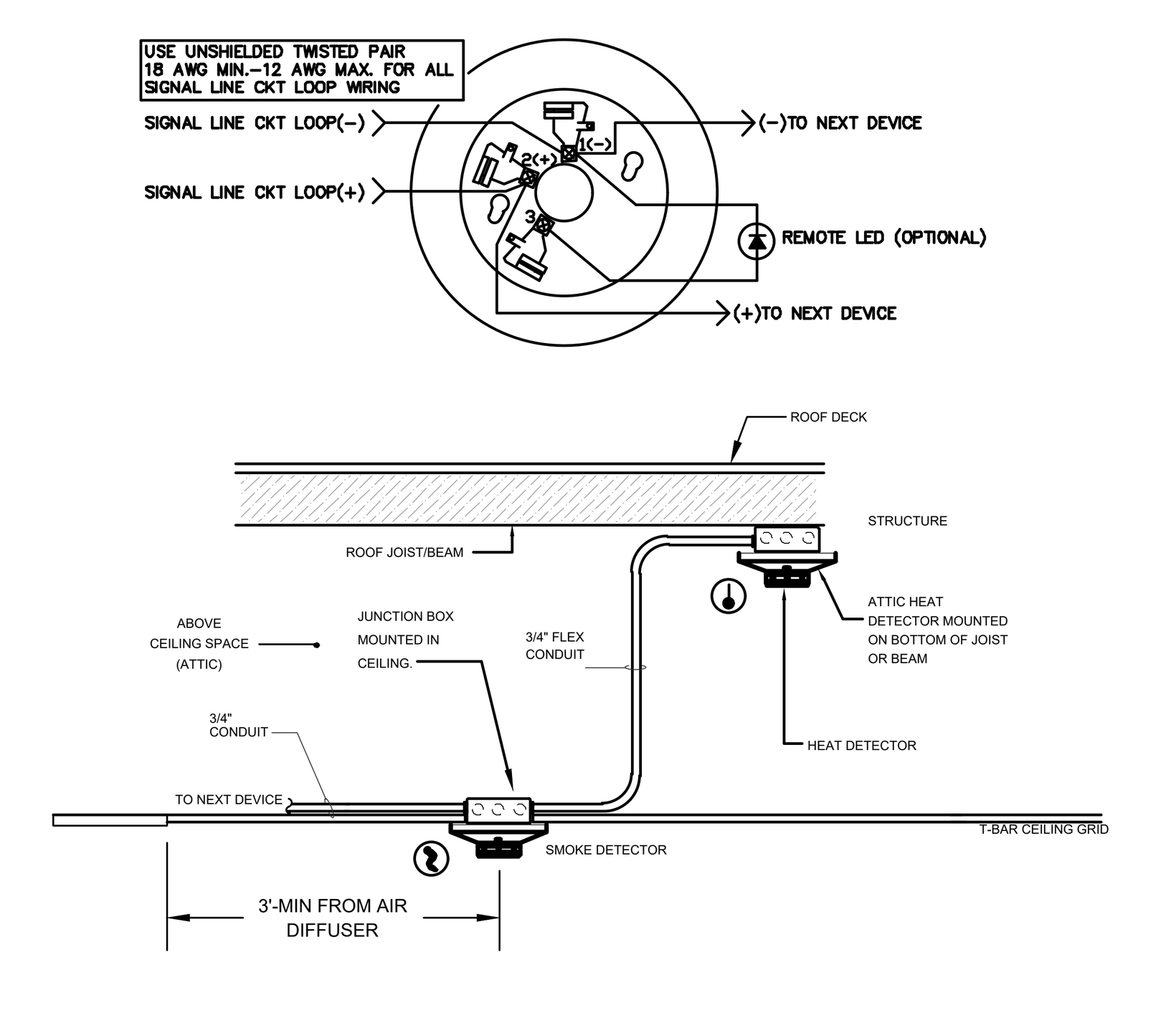
CIRCUIT S6: $\frac{0.070 \times 250' \times 21.6}{1620} \times \frac{100}{70} =$ 0.333%

CIRCUIT V6: $\frac{1.454 \times 250' \times 21.6}{6530} \times \frac{100}{24} =$ 1.5.01%

NOTIFICATION APPLIANCE DETAIL



DETECTOR BASE WIRING / MOUNTING



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tBP project number : 21206.00
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drawn by: checked by:
date: 07/01/2024
Rev: date: description:

drawing title:
FIRE ALARM EQUIPMENT SCHEDULE AND DETAILS

drawing no.:
E-0.5

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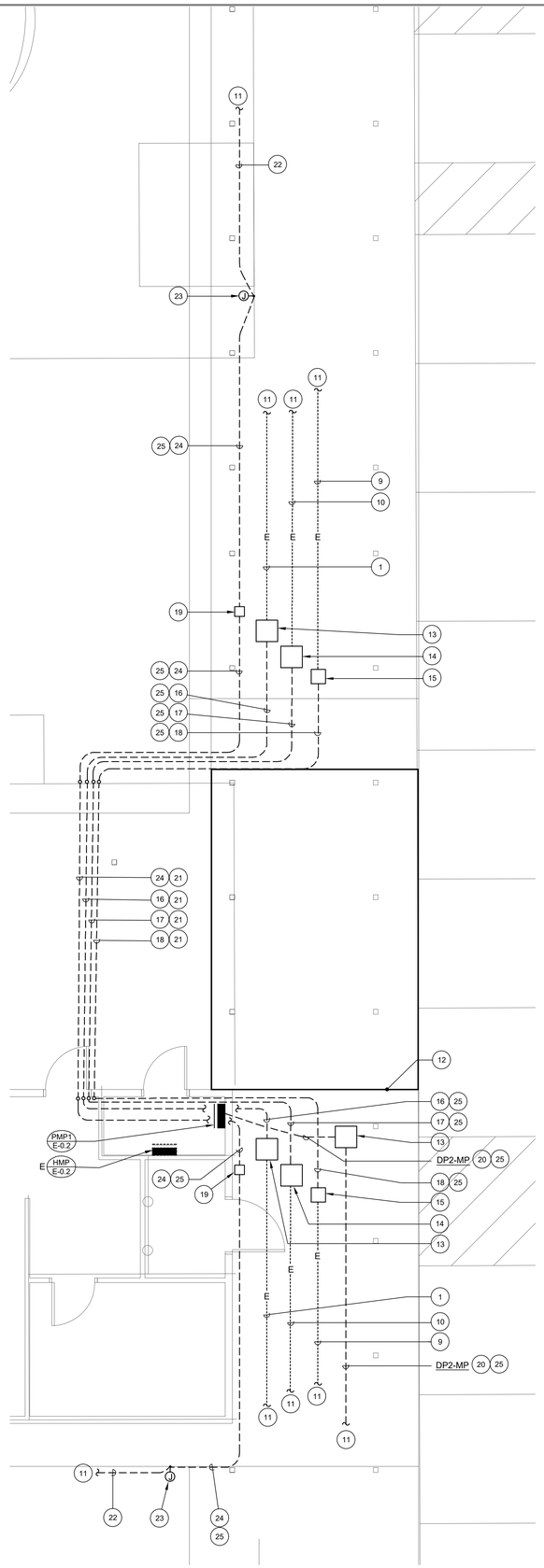

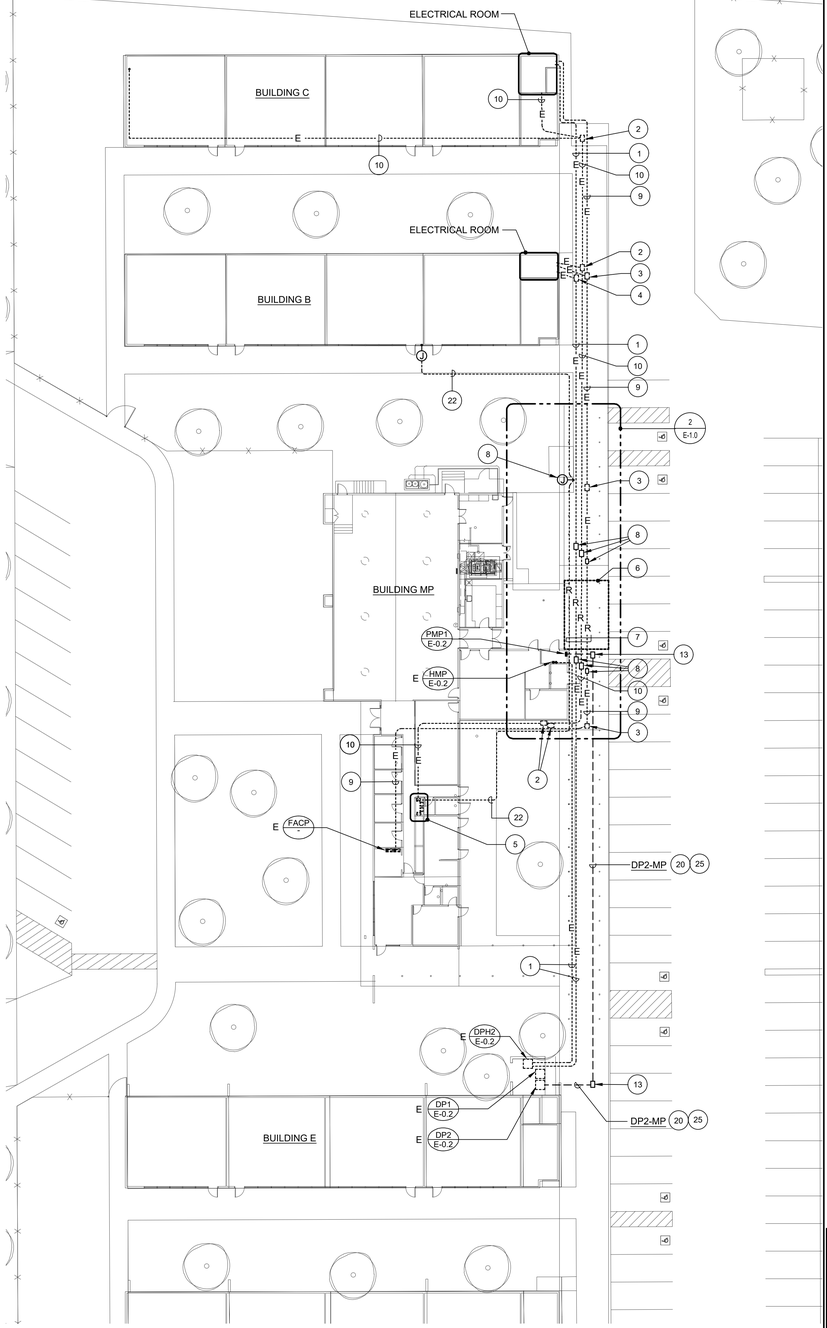

PLAN NOTES

1. EXISTING POWER CONDUIT EXPOSED ON THE CANOPY TO REMAIN.
2. EXISTING SIGNAL PULLBOX ON THE CANOPY TO REMAIN.
3. EXISTING FIRE ALARM PULLBOX ON THE CANOPY TO REMAIN.
4. EXISTING POWER PULLBOX ON THE CANOPY TO REMAIN.
5. MAIN SIGNAL HEAD-END EQUIPMENT IN THE CLOSET.
6. A PORTION OF EXISTING CANOPY TO BE REMOVED AND REPLACED WITH THE NEW CANOPY. CONTRACTOR SHALL REMOVE THE EXISTING CONDUIT ON THE CANOPY AND REPLACE WITH THE NEW CONDUIT. REFER TO DETAIL #2 ON THIS SHEET FOR ADDITIONAL INFORMATION.
7. EXISTING CONDUIT TO BE REMOVED.
8. REFER TO DETAIL #2 ON THIS SHEET FOR ADDITIONAL INFORMATION.
9. EXISTING 2" CONDUIT FIRE ALARM ON ROOF TO REMAIN. CONTRACTOR SHALL REPLACE EXISTING FIRE ALARM CABLINGS FROM THE FIRE ALARM CONTROL PANEL (FACP) TO THE FIRE ALARM POWER SUPPLY/AMPLIFIER AT THE BUILDINGS B AND C. THE CABLING SIZE AND QUANTITIES SHALL MATCH WITH THE REMOVED CABLINGS.
10. EXISTING 3" CONDUIT SIGNAL ON ROOF TO REMAIN. CONTRACTOR SHALL REPLACE EXISTING SIGNAL CABLINGS FROM THE SIGNAL MAIN SIGNAL HEAD-END EQUIPMENT TO THE SIGNAL EQUIPMENT/TERMINAL CABINETS LOCATED IN THE BUILDINGS B AND C. THE CABLING SIZE AND QUANTITIES SHALL MATCH WITH THE REMOVED CABLINGS.
11. REFER TO DETAIL #1 ON THIS SHEET FOR CONTINUATION.
12. NEW CANOPY, REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. PROVIDE 18" X 18" X 8"D. NEMA 3R POWER PULLBOX.
14. PROVIDE 18" X 18" X 8"D. NEMA 3R SIGNAL PULLBOX
15. PROVIDE 12" X 12" X 8"D. NEMA 3R FIRE ALARM PULLBOX
16. PROVIDE 8#1/0, 2#6 GRD. - 3"C.
17. PROVIDE 3" CONDUIT WITH NEW SIGNAL CABLINGS. THE SIZE AND QUANTITIES OF THE NEW CABLES SHALL MATCH THE EXISTING CABLES BEING REMOVED.
18. PROVIDE 2" CONDUIT WITH NEW FIRE ALARM CABLINGS. THE SIZE AND QUANTITIES OF THE NEW CABLES SHALL MATCH THE EXISTING CABLES BEING REMOVED.
19. PROVIDE 8" X 8" X 6"D. NEMA 3R SIGNAL PULLBOX.
20. REFER TO SINGLE LINE DIAGRAM ON SHEET E-0.3 FOR FEEDER SIZE.
21. ROUTE CONDUIT CONCEALED BETWEEN THE EXISTING ROOF AND THE NEW CANOPY ROOF. REFER TO ARCHITECTURAL INFORMATION.
22. THE EXISTING EXPOSED SIGNAL CABLE AND 1/2"C. SIGNAL ON THE CANOPY FASCIA BOARD SHALL BE REPLACED WITH 3/4"C. AND INSTALL NEW REPLACE CABLING IN THE NEW CONDUIT. THE SIZE AND QUANTITIES OF THE NEW CABLES SHALL MATCH THE EXISTING CABLES BEING REMOVED.
23. PROVIDE WEATHERPROOF JUNCTION BOX 6" X 6" X 6"D. ON THE FASCIA BOARD OF THE CANOPY.
24. PROVIDE 3/4"C. WITH NEW CABLE. THE CABLE SIZE AND QUANTITIES SHALL MATCH THE EXISTING CABLES BEING REMOVED.
25. ROUTE CONDUIT ON THE EXISTING CANOPY.

GENERAL NOTES:

A. AS PART OF THE PROJECT REQUIREMENTS, A PORTION OF THE CONDUIT FOR THE SIGNAL AND POWER SYSTEM WILL NEED TO BE REMOVED AND REROUTED TO ACCOMMODATE THE NEW CANOPY INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING:

1. CONDUIT INTERCEPTION AND REROUTING:
   - INTERCEPT THE EXISTING CONDUIT FOR THE SIGNAL AND POWER SYSTEM.
   - REROUTE THE INTERCEPTED CONDUIT AND INSTALL NEW CONDUIT ON THE CANOPY STRUCTURE.
2. SIGNAL CABLE REPLACEMENT:
   - REPLACE THE ENTIRE LENGTH OF CABLES RUNNING FROM THE MAIN SIGNAL HEAD-END EQUIPMENT TO THE SIGNAL EQUIPMENT/TERMINAL CABINETS LOCATED IN BUILDINGS C AND B.
   - ENSURE THAT THE SIZE AND QUANTITIES OF THE REPLACEMENT CABLES MATCH THE EXISTING CABLES BEING REMOVED.
3. POWER CONDUCTORS REPLACEMENT:
   - REPLACE THE EXISTING POWER CONDUCTORS AS PART OF THE REROUTING PROCESS.
   - SPLICE THE NEW CONDUCTORS WITH THE EXISTING CONDUCTORS WITHIN A NEWLY INSTALLED WEATHERPROOF PULL BOX.

0.25" 1.0" 0.5" 2.0"
Graphic Scale: 1 Inch = 4 Feet

N W E S

ENLARGED CANOPY ELECTRICAL PLAN | SCALE: 1/4"=1'-0" | 2

0.25" 1.0" 0.5" 2.0"
Graphic Scale: 1 Inch = 20 Feet

N W E S

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

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date: 07/01/2024

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SITE ELECTRICAL PLAN

drawing no.:
E-1.0

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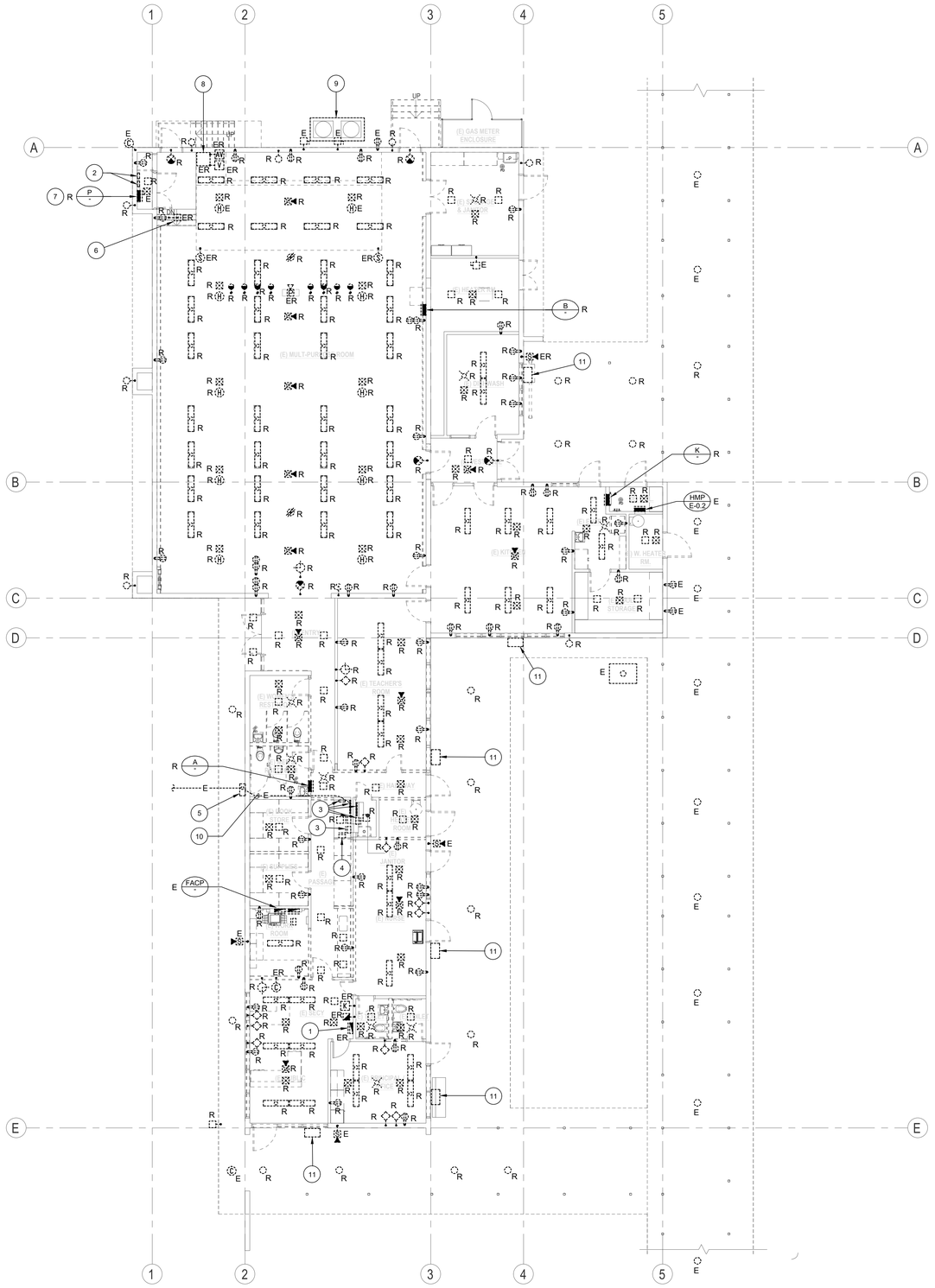

SITE PLAN
SCALE: 1/8"=1'-0"

NORTH

0.25" 1.0" 0.5" 2.0"
Graphic Scale: 1 Inch = 8 Feet

PLAN NOTES

1. REMOVE THE EXISTING FIRE ALARM REMOTE ANNUNCIATOR FROM THE EXISTING WALL AND REINSTALL TO THE NEW WALL. REFER TO THE NEW FIRE ALARM ON SHEET E-6.0 FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING LIGHTING SWITCHES AND CONTACTOR CABINETS WITH ASSOCIATED CONDUIT AND WIRING.
3. EXISTING SIGNAL SYSTEM EQUIPMENT TO REMAIN AND PROTECTED IN PLACE DURING THE CONSTRUCTION. IF DISCONNECTED BY DEMOLITION, CONTRACTOR SHALL RECONNECT AND TEST THE SYSTEM TO ENSURE IT IS FULLY FUNCTIONAL AFTER CONSTRUCTION.
4. EXISTING FIBER SWITCH AND TELEPHONE SHALL BE DISCONNECT FROM THE CURRENT BACKBOARD AND REINSTALLED ON THE NEW WALL WITH A BACKBOARD. REFER TO THE NEW SIGNAL PLAN ON SHEET E-5.0 FOR ADDITIONAL INFORMATION.
5. EXISTING WALL MOUNTED PULLBOX TO REMAIN.
6. EXISTING PROJECTOR SCREEN CONTROLLER TO BE RELOCATED. REFER TO NEW POWER PLAN ON SHEET E-4.0 FOR NEW LOCATION.
7. EXISTING ELECTRICAL PANEL TO BE REMOVED AND REPLACED WITH NEW PANEL. REFER TO NEW POWER PLAN ON SHEET E-4.0 FOR ADDITIONAL INFORMATION.
8. RELOCATE THE EXISTING AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK (APA), ALONG WITH THE AV OUTLET AND CONTROL. REFER TO THE NEW SIGNAL PLAN ON SHEET E-5.0 FOR THE NEW LOCATION.
9. EXISTING POWER TO THE HVAC UNITS TO REMAIN. CONTRACTOR SHALL RECONNECT TO THE EXISTING CIRCUIT IF DISCONNECTED BY DEMOLITION ON THIS PROJECT.
10. EXISTING UTILITY TELECOMMUNICATION CONDUIT AND CABLES TO REMAIN.
11. EXISTING WALL MOUNTED AC UNIT TO BE REMOVED. CONTRACTOR SHALL DISCONNECT AND REMOVE CONDUIT AND ASSOCIATED WIRING.

LEGEND:

- E EXISTING EQUIPMENT OR DEVICE TO REMAIN. CONTRACTOR SHALL RECONNECT TO EXISTING CIRCUIT IF DISCONNECTED BY DEMOLITION ON THIS PROJECT.
- R EXISTING EQUIPMENT OR DEVICE TO BE REMOVED. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED CONTROLS, CONDUCTORS, AND CONDUIT AS REQUIRED.
- ER EXISTING EQUIPMENT OR DEVICE TO BE DISCONNECTED AND RELOCATED AS INDICATED ON PLANS.
- NR NEWLY RELOCATED EXISTING EQUIPMENT OR DEVICE AT LOCATION INDICATED ON PLANS.

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DEMOLITION ELECTRICAL PLAN

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E-2.0

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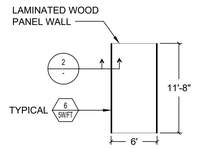
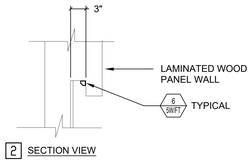


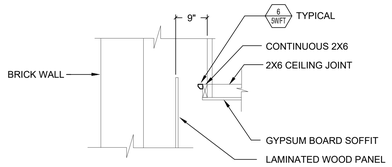
1 ELEVATION PLAN



2 SECTION VIEW

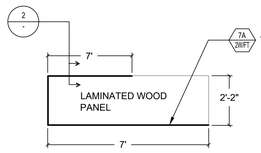
COVE LIGHTING - LAMINATED WOOD PANEL WALL

SCALE: NONE | 2

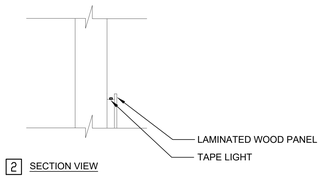


COVE LIGHTING - MPR ROOM WALL

SCALE: NONE | 3



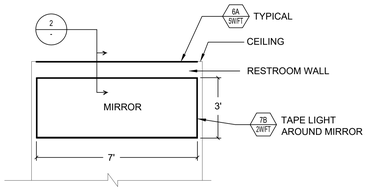
1 LAMINATED WOOD PANEL LIGHTING AT RECEPTION DESK



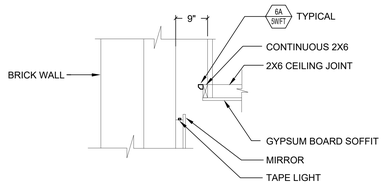
2 SECTION VIEW

COVE LIGHTING - LAMINATED WOOD PANEL AT RECEPTION DESK

SCALE: NONE | 4



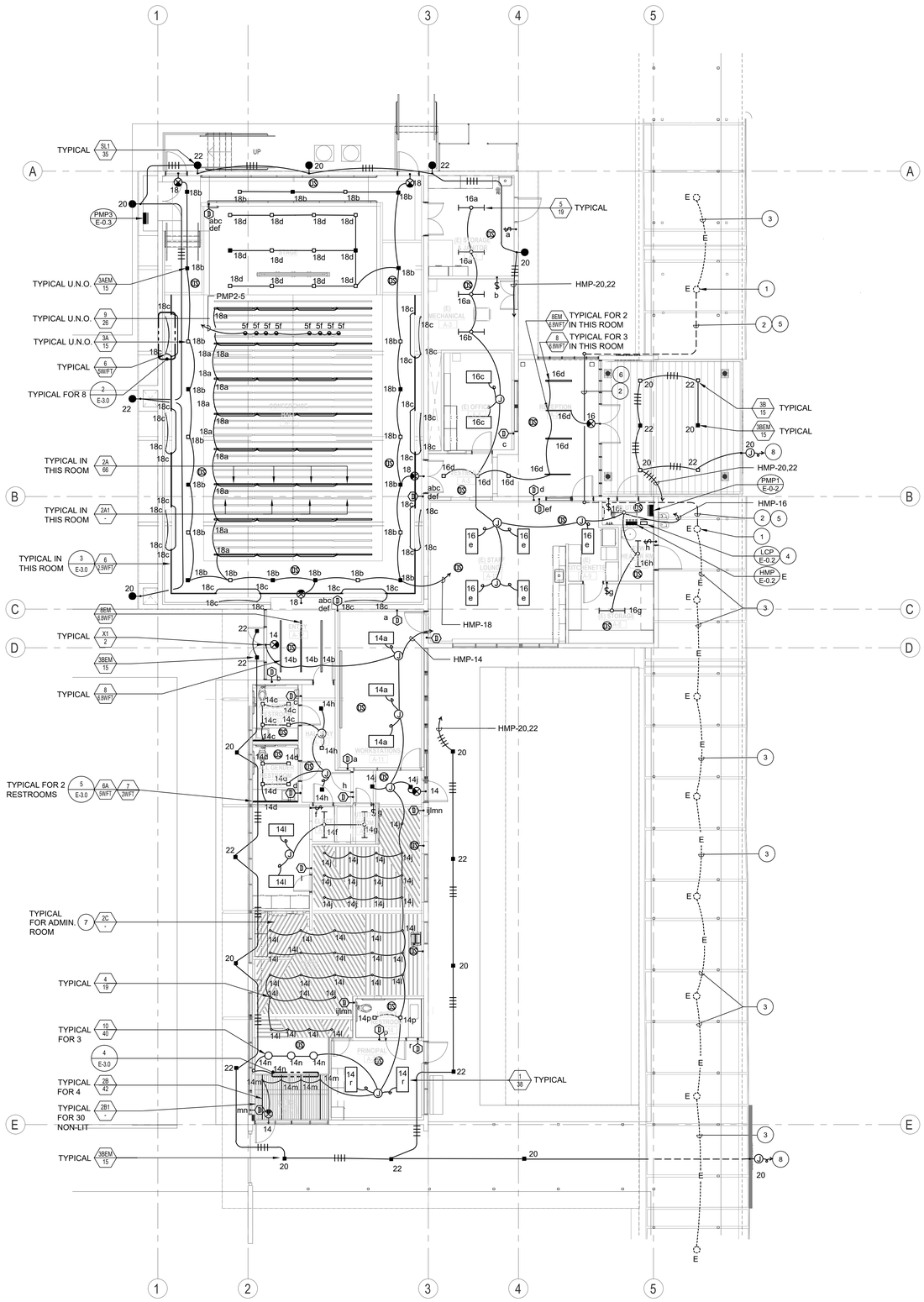
1 RESTROOM COVE LIGHTING - ELEVATION VIEW



2 RESTROOM COVE LIGHTING - SECTION VIEW

COVE LIGHTING - RESTROOM MIRROR WALL

SCALE: NONE | 5



NORTH

ADMINISTRATION BUILDING - DEMOLITION ELECTRICAL PLAN

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

PLAN NOTES

1. INTERCEPT EXISTING LIGHTING CIRCUIT IN EXISTING LIGHTING FIXTURE AND EXTEND WITH NEW CONDUIT AND CONDUCTOR AS INDICATED.
2. PROVIDE 4#10, 1#10 GRD. - 3/4"C.
3. EXISTING CONDUIT AND CONDUCTORS TO REMAIN .
4. PROVIDE LIGHTING CONTROL PANEL " LCP ".
5. ROUTE CONDUIT EXPOSED UNDER THE CANOPY.
6. ROUTE CONDUIT CONCEALED BETWEEN EXISTING ROOF AND NEW CANOPY ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE CUSTOM UNLIT BAFFLES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZES, QUANTITIES AND DIMENSIONS.
8. PROVIDE CONNECTION TO ILLUMINATED SIGN PER MANUFACTURER'S REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.

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LIGHTING PLAN

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E-3.0

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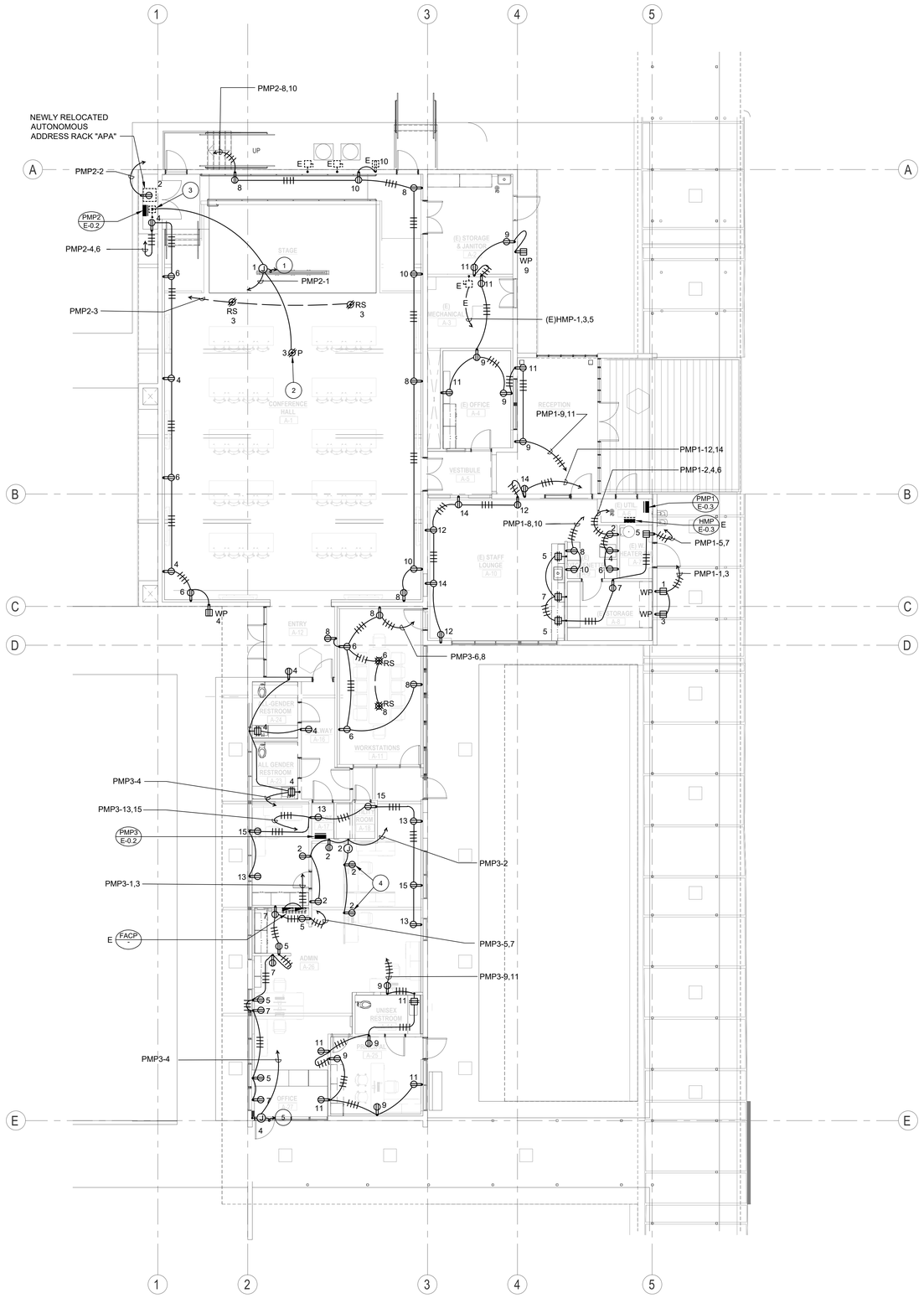

NORTH

ADMINISTRATION BUILDING - LIGHTING PLAN | SCALE: 1/8"=1'-0" | 1

PLAN NOTES

1. PROVIDE CONNECTION TO PROJECTOR SCREEN PER MANUFACTURER'S REQUIREMENTS.
2. PROVIDE RECEPTACLE ON FLUSH CEILING MOUNTED OUTLET BOX FOR PROJECTOR.
3. NEWLY RELOCATED PROJECTOR SCREEN CONTROLLER ON FLUSH WALL MOUNTED OUTLET BOX +45"A.F.F.
4. PROVIDE CONNECTION TO FURNITURE POWER SYSTEM.
5. PROVIDE CONNECTION TO ELECTRIC DOOR STRIKE SYSTEM PER MANUFACTURER REQUIREMENT. REFER TO ARCHITECTURAL DRAWINGS AND SPECS FOR THE MODEL NUMBER.

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POWER PLAN

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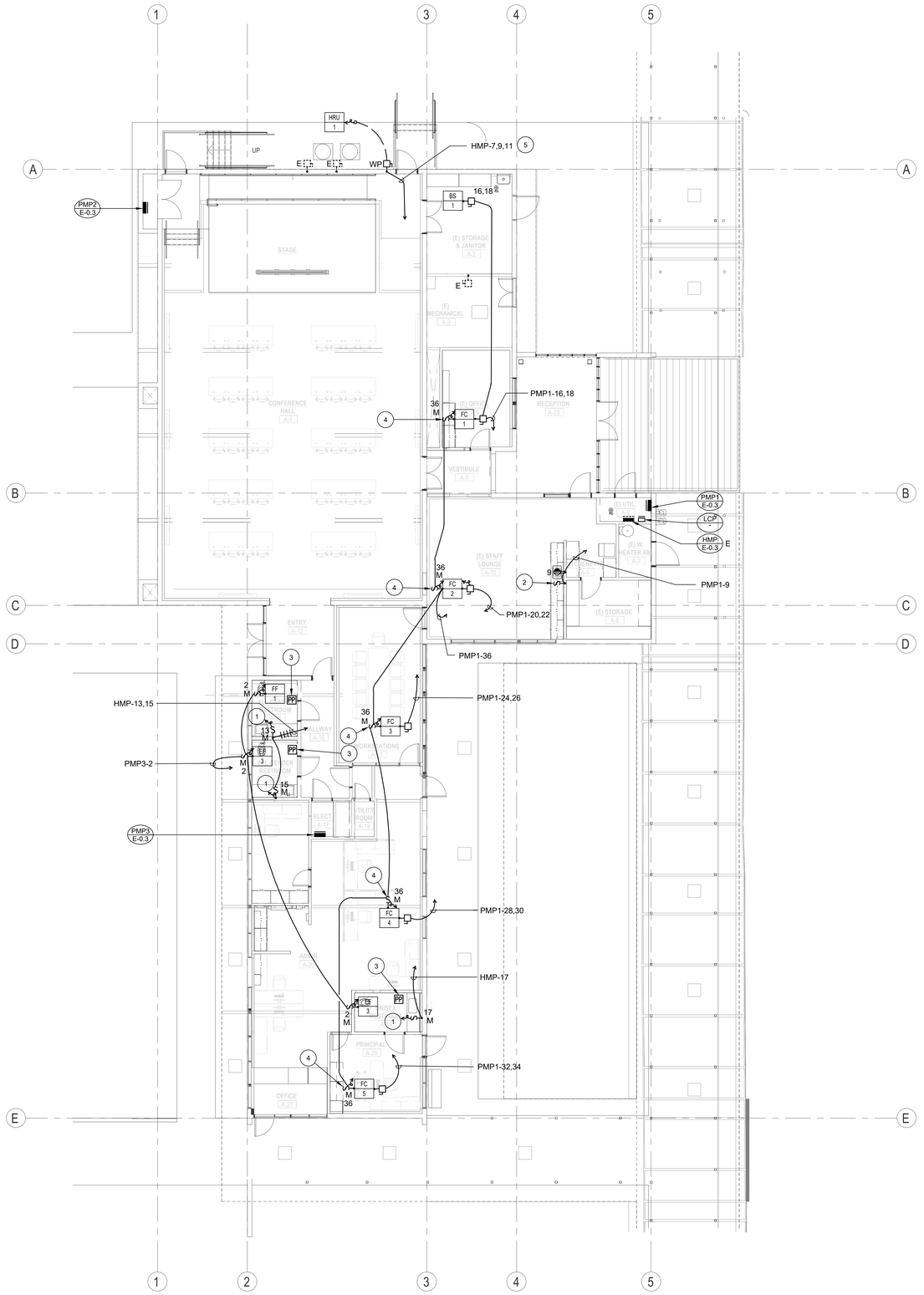

NORTH

ADMINISTRATION BUILDING - LIGHTING PLAN | SCALE: 1/8"=1'-0" | 1

PLAN NOTES

1. PROVIDE CONNECTION TO WATER HEATER PER MANUFACTURER'S REQUIREMENT. PROVIDE EQUIPMENT NAMEPLATE ON WATER HEAT INDICATES INPUT VOLTAGE AND CIRCUIT NUMBER.
2. PROVIDE COVERPLATE ENGRAVED "GARBAGE DISPOSAL".
3. PROVIDE POWER PACK AND CONNECT EXHAUST FAN TO ROOM LIGHTING CONTROL .
4. PROVIDE CONNECTION TO CONDENSATE PUMP PER MANUFACTURER'S REQUIREMENT.
5. PROVIDE 3#8, 1#10 GRD. - 1" C.

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drawn by: checked by:

date: 07/01/2024

Rev:	date:	description:

drawing title:
HVAC/PLUMBING ELECTRICAL PLAN

drawing no.:
E-4.1

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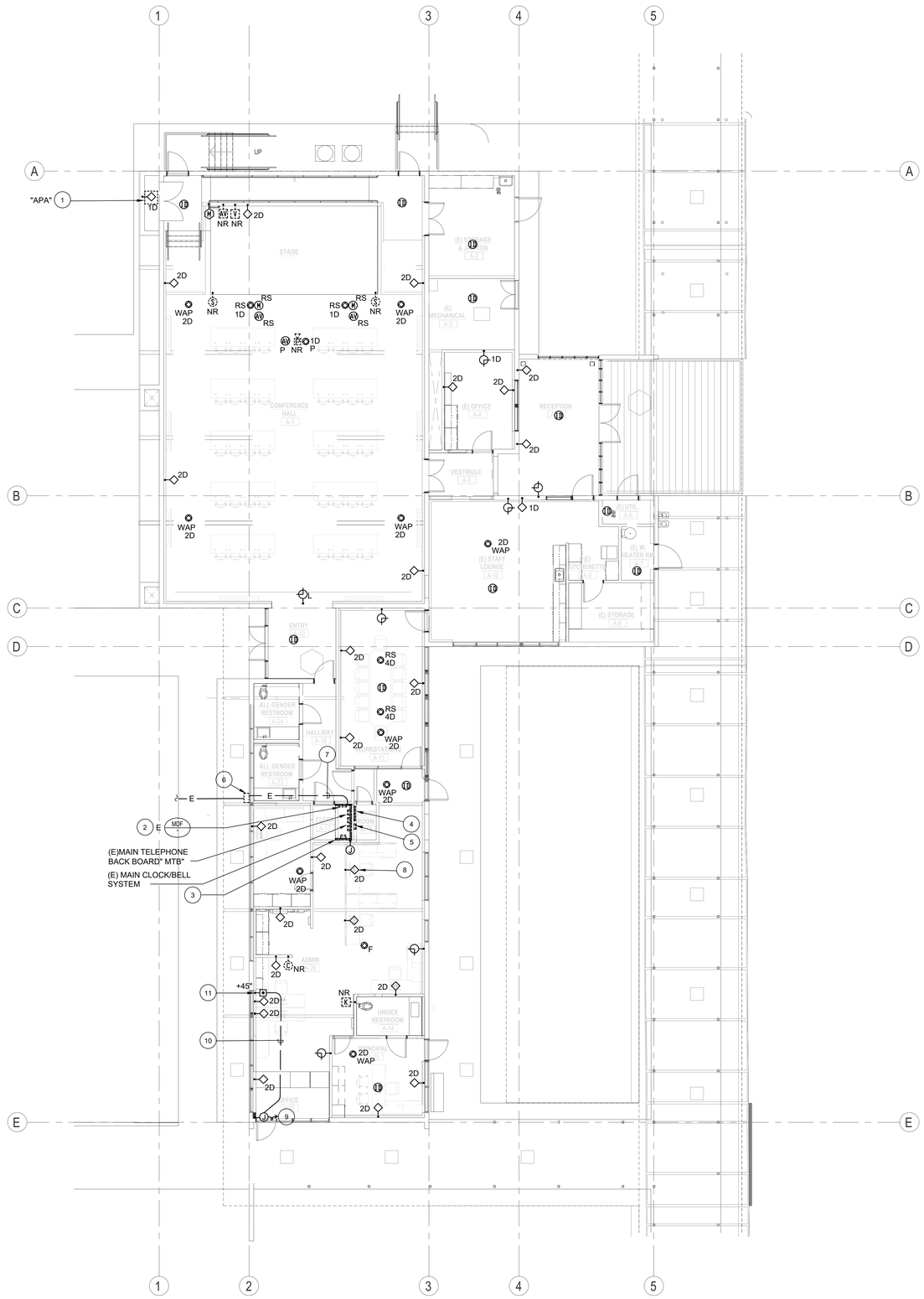

PLAN NOTES

1. NEWLY RELOCATED AUTONOMOUS PUBLIC ADDRESS SYSTEM RACK" APA". PROVIDE CONDUIT, WIRING, AND CONNECT TO AUDIO/VIDEO, MICROPHONE OUTLETS AND SPEAKERS FOR A COMPLETE AND OPERABLE SYSTEM.
2. MODIFY EXISTING MDF RACK AS REQUIRED TO SERVE THE NEW CONSTRUCTION. PROVIDE ADDITIONAL EQUIPMENT AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM.
3. EXISTING FIBER SWITCH AND TELEPHONE PUNCH BLOCK SHALL BE DISCONNECT FROM THE CURRENT BACKBOARD AND REINSTALLED ON THE NEW WALL WITH A BACKBOARD. THE CONTRACTOR MUST FIELD - VERIFY CONDITIONS PRIOR TO SUBMITTING A BID TO ENSURE ALL ASSOCIATED COST ARE INCLUDED IN THE BID .
4. EXISTING TELEPHONE CABINET TO REMAIN.
5. EXISTING SECURITY PANEL TO REMAIN.
6. EXISTING WALL MOUNTED PULL BOX TO REMAIN.
7. EXISTING UTILITY TELECOMMUNICATION CONDUIT TO REMAIN. IF DISCONNECTED BY DEMOLITION, THE CONTRACTOR SHALL RECONNECT IT WITHOUT ADDITIONAL COST TO THE OWNER.
8. PROVIDE CONNECTION TO FURNITURE SYSTEM.
9. PROVIDE CONNECTION TO ELECTRIC DOOR STRIKE SYSTEM PER MANUFACTURER REQUIREMENT. REFER TO ARCHITECTURAL DRAWINGS AND SPECS FOR THE MODEL NUMBER.
10. PROVIDE 1" CONDUIT WITH DOOR CONTROL WIRING.
11. BUZZER ACCESS CONTROL. COORDINATE EXACT LOCATION WITH ARCHITECT/DISTRICT REPRESENTATIVE PRIOR TO ROUGH-IN.

LEGEND:

- E EXISTING EQUIPMENT OR DEVICE TO REMAIN. CONTRACTOR SHALL RECONNECT TO EXISTING CIRCUIT IF DISCONNECTED BY DEMOLITION ON THIS PROJECT.
- R EXISTING EQUIPMENT OR DEVICE TO BE REMOVED. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED CONTROLS, CONDUCTORS, AND CONDUIT AS REQUIRED.
- ER EXISTING EQUIPMENT OR DEVICE TO BE DISCONNECTED AND RELOCATED AS INDICATED ON PLANS.
- NR NEWLY RELOCATED EXISTING EQUIPMENT OR DEVICE AT LOCATION INDICATED ON PLANS.

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tBP project number : 21206.00
file name:
drawn by: checked by:
date: 07/01/2024

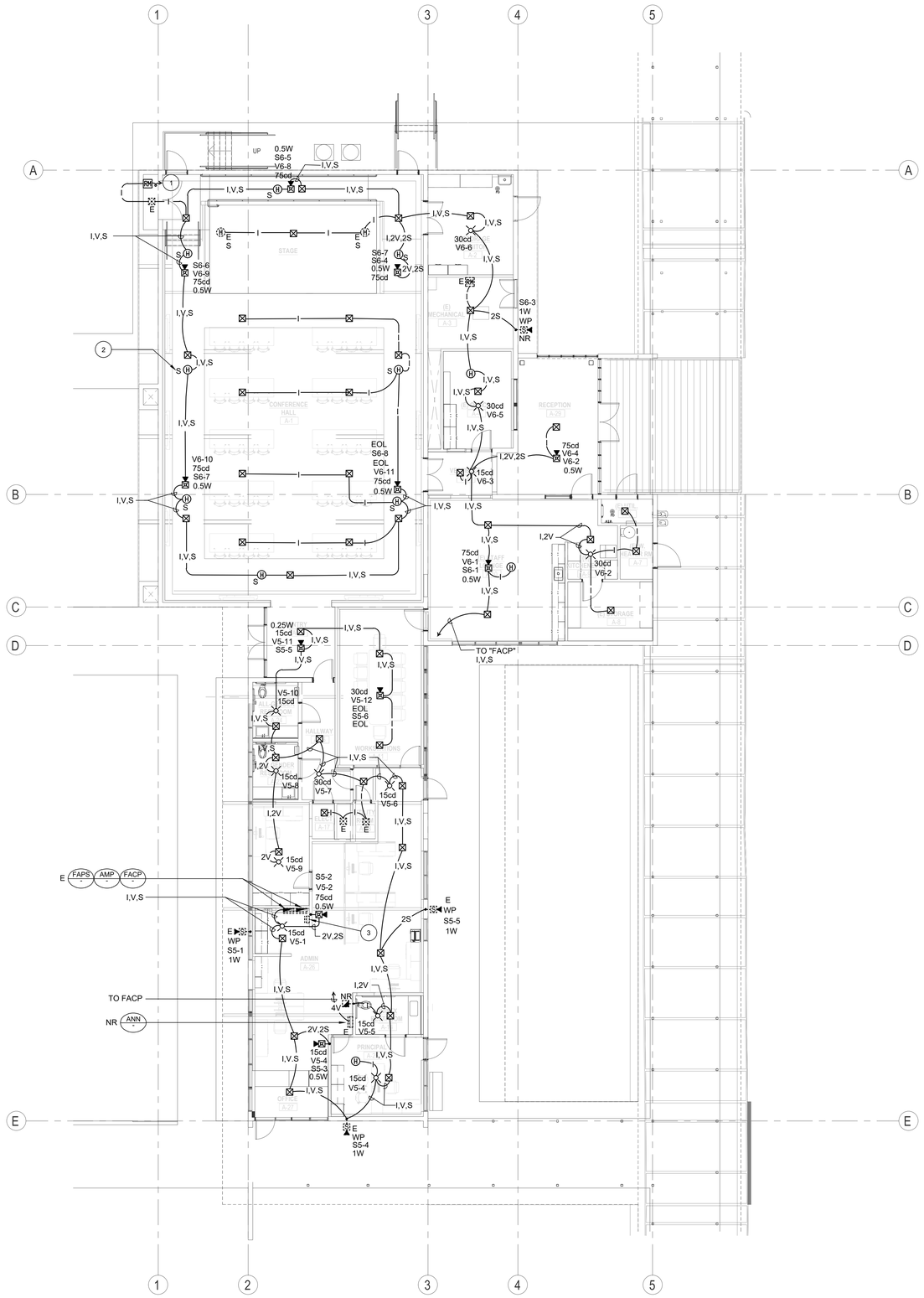
Rev:	date:	description:

drawing title:
SIGNAL PLAN

drawing no.:
E-5.0

ADMINISTRATION BUILDING - SIGNAL PLAN | SCALE: 1/8"=1'-0" | 1

FBA Engineering / Plot Date: 2/28/2025 9:12 AM / Plotted by: Brandon Nguyen / Drawing Location: I:\212\331E-5.0_212331 Signal Plan.dwg



NORTH

ADMINISTRATION BUILDING - SIGNAL PLAN | SCALE: 1/8"=1'-0" | 1

PLAN NOTES

1. PROVIDE CONNECTION TO PUBLIC. ADDRESS SYSTEM F0R EQUIPMENT SHUT DOWN UPON FIRE ALARM INITIATION.
2. "S " INDICATES THE HEAT DETECTOR LOCATES IN THE SOFFIT.
3. EXISTING FIRE ALARM DOCUMENT CABINET TO REMAIN.

NOTE:

1. CONTRACTOR SHALL PROVIDE A HINGE, SPRING LOADED ACCESS PANEL OPENING IN ALL NON-ACCESSIBLE CEILING SPACES FOR NEW HEAT DETECTOR ACCESSIBILITY. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY BLOCKING AS REQUIRED FOR ACCESS PANEL INSTALLATION.

FIRE ALARM CONDUIT SCHEDULE

SYMBOL	CONDUCTORS	CONDUIT
—— I ——	2#14 UNSHIELDED TWISTED-PAIR INITIATING CIRCUIT	3/4"C.
—— V ——	2#12 VISUAL CIRCUIT	3/4"C.
—— S ——	2#18 SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4"C.
—— 2V ——	4#12 VISUAL CIRCUIT	3/4"C.
—— 4V ——	8#12 VISUAL CIRCUIT	1"C.
—— 2S ——	4#18 SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4"C.

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date: 07/01/2024

Rev: date: description:

drawing title:

FIRE ALARM PLAN

drawing no.:

E-6.0

FBA Engineering / Plot Date: 2/28/2025 9:12 AM / Plotted by: Brandon Nguyen / Drawing Location: I:\212\331\E-6.0_212313 Fire Alarm Plan.dwg

CALIFORNIA GREEN BUILDING STANDARDS NOTES

ENTIRE INSTALLATION SHALL COMPLY WITH THE 2022 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE INCLUDING THE FOLLOWING APPLICABLE MANDATORY MEASURES:

1. 5.504.1.3 – PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, CONTRACTOR SHALL USE MERV 8 MINIMUM RETURN AIR FILTERS. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
2. 5.504.3 – CONTRACTOR SHALL COVER ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY DURING STORAGE AND CONSTRUCTION AND UNTIL FINAL STARTUP.
3. 5.504.5.3 – MERV 13 FILTERS ARE REQUIRED FOR HVAC SYSTEMS SERVING REGULARLY OCCUPIED AREAS AND AS INDICATED IN THESE PLANS.
4. 5.504.7 – OUTDOOR SMOKING AREAS SHALL BE MINIMUM 25'–0" FROM ALL BUILDING ENTRIES, OUTDOOR AIR INTAKES, AND OPERABLE WINDOWS.
5. 5.505.1 – INSTALLATION SHALL COMPLY WITH CBC SECTION 1203 AND CHAPTER 14 FOR INDOOR MOISTURE CONTROL.
6. 5.506.2 – DEMAND CONTROL VENTILATION REQUIRED FOR ALL DENSELY OCCUPIED SPACES PER 2022 CALIFORNIA ENERGY CODE REQUIREMENTS.
7. 5.508.1 – HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFCS OR HALONS.

LEGEND

SYMBOL	ABBR.	DESCRIPTION
	–	SUPPLY AIR RISER
	–	RETURN AIR RISER
	–	EXHAUST AIR RISER
	SAG	SUPPLY AIR GRILLE
	RAG	RETURN AIR GRILLE
	EAG	EXHAUST AIR GRILLE
	SWR	SIDEWALL REGISTER
	(L)	LINED DUCTWORK
	–	FLEXIBLE CONNECTION
	FC	FLEXIBLE CONNECTION
	–	DEMO DUCT (SEE PLAN)
	MVD	MANUAL VOLUME DAMPER
	BDD	BACKDRAFT DAMPER
S/F	SFD	SMOKE / FIRE DAMPER
F	FD	FIRE DAMPER
	DL	DOOR LOUVER
U.C.	UC	UNDERCUT DOOR 3/4"
RS	RS	REFRIGERANT SUCTION LINE
RL	RL	REFRIGERANT LIQUID LINE
CD	CD	CONDENSATE DRAIN
	S.D.	SMOKE DETECTOR
	P.O.C.	POINT OF CONNECTION
T	T–STAT	THERMOSTAT
H	H	HUMIDISTAT
TS	TS	TEMPERATURE SENSOR
OS	OS	OVERRIDE SWITCH
PD	PD	PRESSURE DIFFERENTIAL SWITCH
S	S	SWITCH
	O.C.	ON CENTER
	I.D.	INSIDE DIAMETER
	O.D.	OUTSIDE DIAMETER
	W/	WITH
	S/M	SHEET METAL
	S/S	STAINLESS STEEL
	G.C.	GENERAL CONTRACTOR
	VTR	VENT THRU ROOF
	OBD	OPPOSED BLADE DAMPER
	FSC	FAN SPEED CONTROL
E	E	ITEMS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS SPECIFIED ON THE ELECTRICAL CONTRACT DOCUMENTS
M	M	ITEMS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR AS SPECIFIED ON THE MECHANICAL CONTRACT DOCUMENTS
EM	EM	ITEMS FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
ME	ME	ITEMS FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
	CBD	COUNTER–BALANCE DAMPER
	D.S.	FAN SPEED CONTROL
DS	FSC	DOOR SWITCH

GENERAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE, 2022 CALIFORNIA BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING 2022 CALIFORNIA ENERGY CONSERVATION STANDARDS DIVISION T-24.
2. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBILE TO COORDINATE ITEMS TO BE PROVIDED BY OTHER TRADES WHERE MENTIONED IN THE CONTRACT DOCUMENTS PRIOR TO BID - NO EXCEPTIONS.
3. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS. THE ARCHITECT AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION.
4. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER-PROOFED AND PAINTED TO MATCH, COORDINATE WITH ARCHITECT PRIOR TO PAINTING.
5. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE PART OF A SEPARATE AND COMPLETE MECHANICAL SPECIFICATION.
6. ALL DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE.
7. PRIOR TO OCCUPANCY, THE ENTIRE H.V.A.C. SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH (AABC) ASSOCIATED AIR BALANCE COUNCIL STANDARDS BY AN INDEPENDANT AIR BALANCE CONTRACTOR. CERTIFICATION SHALL BE PROVIDED BY THE CONTRACTOR FOR AIR AND HYDRONIC AS APPLICABLE. SYSTEMS SHALL BE BALANCED AS INDICATED ON PLANS INCLUDING FRESH AIR VENTILATION. WHERE THERE IS A CONFLICT WITH THE MECHANICAL PLANS, THE AIR BALANCE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BALANCING OF SYSTEM. IF NOT THE AIR BALANCE CONTRACTOR SHALL BEAR ALL COSTS INCURRED FOR WORK THAT MUST BE RE-BALANCED DUE TO CONFLICTS ON CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE THREE COPIES OF THE AIR BALANCE REPORT TO THE ENGINEER FOR APPROVAL.
8. FOR INACCESSIBLE AREAS THE CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL DAMPERS, EQUIPMENT, SMOKE DETECTORS, AND CONTROL DEVICES. THESE PANELS SHALL MATCH THE RATING OF THE WALL AND/OR CEILING THAT THEY ARE LOCATED IN. MINIMUM ACCESS PANEL SIZES SHALL BE AS FOLLOWS:

   1) HAND ACCESS: 12"x12"

   2) BODY ACCESS: 30"x30" MIN. WHERE A LARGER ACCESS SIZE IS REQUIRED DUE TO INSTALLATION CONSTRAINTS, THE CONTRACTOR SHALL DO SO AT NO ADDITIONAL COST AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF DEVIATIONS PRIOR TO INSTALLATION.
9. COORDINATE THE LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION.
10. PLATFORMS, CURBS, AND FLASHINGS FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE. WHERE THERE IS A CONFLICT WITH THE MECHANICAL PLANS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND INSTALLTION.
11. ALL EQUIPMENT, ACCESSORIES, AND RELATED PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
12. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
13. PROVIDE MERV 13 FILTERS FOR ALL AIR CONDITIONING UNITS. SEE EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR TYPE. SIZES SHALL BE AS RECOMMENDED BY THE MANUFACTURER, UNLESS OTHERWISE SPECIFIED.
14. AIR FILTERS SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED. PREFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.
15. ALL EQUIPMENT WITH MOVING PARTS SHALL BE PROVIDED WITH FLEXIBLE DUCT AND PIPE CONNECTIONS.
16. ALL EQUIPMENT SHALL BE LABELED AS TO THE SPACE IT SERVES. SEE PLANS AND SPECIFICATIONS FOR IDENTIFICATION STANDARDS.
17. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH LATEST EFFICIENCY STANDARDS.
18. AC UNITS PROVIDED WITH ECONOMY CYCLE DAMPERS SHALL HAVE DAMPERS SET UP TO CLOSE AUTOMATICALLY ON FAN SHUTDOWN.
19. PROVIDE MANUAL VOLUME DAMPERS AND BACKDRAFT DAMPERS FOR FRESH AIR INTAKES ON ALL AIR HANDLING EQUIPMENT AND EXHAUST FANS SERVING CONDITIONED SPACES. EXCEPTION: EQUIPMENT WITH FACTORY ECONOMIZERS.
20. ALL FRESH AIR INTAKES SHALL MEET CODE REQUIRED CLEARANCES FROM EXHAUST, FLUE, FUEL BURNING APPLIANCE AND PLUMBING VENT OUTLETS. FOR GAS/ELECTRIC AIR CONDITIONING UNITS WHERE THE CODE REQUIRED CLEARANCES ARE NOT MET, A FACTORY FLUE GAS DEFLECTOR AND EXTENSION SHALL BE USED TO MINIMIZE THESE CLEARANCES. CONTRACTOR SHALL DETERMINE LOCATIONS WHERE REQUIRED PRIOR TO BID. THIS SHALL BE PROVIDED AT NO ADDITIONAL COST.
21. ALL AIR HANDLING EQUIPMENT SERVING CONDITIONED SPACES SHALL PROVIDE CONTINUOUS FRESH AIR TO SPACES IN OCCUPIED MODE.
22. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND AVAILIABLE SPACE FOR DUCTWORK PRIOR TO ORDERING AND/OR FABRICATING MATERIAL.
23. CONTRACTOR TO SUBMIT ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, AND OTHER ACCESSORIES TO THE ENGINEER FOR APPROVAL PRIOR TO ANY ORDERING OF SUCH ITEMS.
24. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS OF AWARD OF CONTRACT. SEE 230000 SPECIFICATIONS FOR REQUIREMENTS. ALL CONFLICTS BETWEEN VARIOUS TRADE SHOP DRAWINGS SHALL BE REPORTED TO THE CITY, ARCHITECT, AND ENGINEER OF RECORD. FAILURE TO REPORT CONFLICTS SHALL RESULT IN REJECTION OF RELATED CLAIMS FOR REWORK, EXTRA WORK, AND TIME FOR EXTENSIONS.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR COMMISSIONING OF EQUIPMENT AS STIPULATED ON MECH-1-C FORM ON PLANS UNLESS NOTED OTHERWISE.
26. CONTROL SCHEMATICS ARE FOR SEQUENCE ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ALL ELECTRICAL DEVICES REQUIRED.
27. ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL LINE VOLTAGE CONDUIT AND WIRING, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE ELECTRICAL DRAWINGS OR SPECIFIED IN THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF ALL GOVERNING BODIES HAVING JURISDICTION THEREOF.
28. ALL LOW VOLTAGE CONDUIT AND WIRING AS APPLICABLE, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AS INDICATED ON THE MECHANICAL DRAWINGS OR SPECIFIED IN THE MECHANICAL SECTION OF THE SPECIFICATIONS.

   A) ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT.

   B) WHERE THE CONTROLS CONTRACTOR IS RETAINED BY THE OWNER, THEY SHALL BE RESPONSIBLE FOR THE FOLLOWING:

   1) FURNISH AND INSTALL ALL DEVICES, WIRING, AND TERMINATIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

   2) COORDINATE ALL WORK AND REQUIREMENTS WITH OTHER TRADES INCLUDING GENERAL, MECHANICAL, AND ELECTRICAL CONTRACTORS PRIOR TO BID.

   3) CONTRACTOR SHALL FOLLOW ALL SUBMITTAL REQUIREMENTS PER DRAWINGS AND SPECIFICATIONS.
29. CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING AIR CONDITIONING EQUIPMENT WITH THRU-THE-BASE POWER, CONTROL, AND GAS CONNECTIONS. VERIFY ALL CONNECTION LOCATIONS WITH UNIT MANUFACTURER AND COORDINATE WITH OTHER TRADES AS NECESSARY.
30. ELECTRICAL CONTRACTOR SHALL PROVIDE REQUIRED RELAY ACCESSORIES FOR CONNECTION OF 120 VOLT 1 PHASE VENTILATION EQUIPMENT TO 277 VOLT 1 PHASE LIGHTING AS APPLICABLE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH COORDINATION PRIOR TO BID.
31. WHERE HVAC CONTROL WIRING IS REQUIRED BETWEEN BUILDINGS. PROVIDE UNDERGROUND CONDUIT WITH PULL STRING(S) FURNISHED AND INSTALLED BY ELECTRICAL FOR THE ENERGY MANAGEMENT SYSTEM WIRING TERMINATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND WIRING TERMINATIONS FOR BETWEEN BUILDINGS.
32. ALL THERMOSTATS SHALL HAVE LOCKABLE COVERS (WHERE INDICATED ON PLANS) AND SHALL BE OF THE ELECTRONIC, PROGRAMMABLE, AUTOMATIC CHANGEOVER TYPE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE 10 DEGREES F. BETWEEN FULL HEATING AND COOLING. THEY SHALL HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 DEGREES F., AND COOLING AT A TEMPERATURE NOT LESS THAN 78 DEGREES F. ADJUSTABLE TEMPERATURE DIFFERENTIAL SHALL BE 1- 1/2 DEGREES F. CONTROL LIMITS SHALL BE FROM 55 DEGREES F. TO 85 DEGREES F. MOUNT AT 48 INCHES ABOVE FLOOR OR AS REQUIRED BY LOCAL AUTHORITIES OR ACCESSIBILITY CODES.

   NOTES:
   1) THERMOSTATS THAT ARE PART OF AN ENERGY MANAGEMENT SYSTEM SHALL FOLLOW CONTROL SPECIFICATIONS AND DRAWING REQUIREMENTS.

   2) SHOULD THE LOCATION OF THE THERMOSTAT NOT MEET THE ADA HEIGHT REQUIREMENTS DUE TO OBSTRUCTIONS, THEN AN ALTERNATE LOCATION SHALL BE PROPOSED OR REQUESTED BY THE CONTRACTOR THAT SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT.
33. LINE VOLTAGE THERMOSTATS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
34. CONTROLS CONTRACTOR AND AIR BALANCE CONTRACTOR SHALL COORDINATE WORK AND PERFORM NECESSARY TASKS AS REQUIRED TO OBTAIN AIR AND WATER FLOW QUANTITIES FOR SYSTEMS SHOWN HEREIN.
35. CONTROLS SHALL BE PROVIDED TO PROVIDE THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY THE STATE ENERGY REGULATIONS.
36. ALL DUCTWORK SHALL BE SHEET METAL CONSTRUCTED OR SPIRAL, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, CHAPTER 6 OF THE MECHANICAL CODE, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
37. ALL FLEXIBLE DUCTWORK SHALL BE MAX FIVE FEET AND MIN 3 FEET IN LENGTH TO RESPECTIVE DIFFUSERS, GRILLES, AND REGISTERS, OR OTHER AIR DEVICES.
38. PROVIDE SEISMIC RESTRAINTS TO ALL DUCTWORK, PIPE, AND EQUIPMENT SUPPORTS IN ACCORDANCE WITH THE LATEST SMACNA GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. SUSPENDED EQUIPMENT SHALL BE PROVIDED WITH SEISMIC ANCHORAGE AND ISOLATION SUPPORTS. SEE SEISMIC NOTES ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.
39. ALL RECTANGULAR DUCT TURNS IN SUPPLY, RETURN, AND EXHAUST DUCTS SHALL HAVE TURNING VANES UNLESS OTHERWISE NOTED.
40. DUCTWORK HANDLING CONDITIONED AIR SHALL BE INSULATED OR LINED AS INDICATED ON DRAWINGS. SUPPLY AND RETURN DUCT INSULATION SHALL BE MIN. 1.5" THICK, 3/4 LB./CUBIC FT. DENSITY AND HAVE A MIN. VALUE OF R-8 WHERE LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES:

   A) OUTDOORS, OR

   B) IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING, OR

   C) IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES, OR

   D) IN AN UNCONDITIONED CRAWLSPACE; OR

   E) IN OTHER UNCONDITIONED SPACES

   PER 2022 CEC, OTHERWISE PROVIDE R-4.2 WHEN LOCATED IN CONDITIONED ATTIC SPACES ABOVE CEILINGS. ALL DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED WITH 1.5" THICK, 1.5LB./CUBIC FT. DENSITY DUCT LINER UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES ARE SHEET METAL SIZES. ALL DUCT JOINTS SHALL BE SEALED PER CHAPTER 6 MECHANICAL CODE REQUIREMENTS. PROVIDE PIPING AND DUCT INSULATION IN ACCORDANCE WITH THE LATEST STANDARDS OF THE CALIFORNIA ENERGY COMMISSION.

   ALL INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50.

   MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS, AS WELL AS FRESH AIR INTAKE DUCTS. DAMPERS SHALL BE LOCATED AT THE BRANCH DUCT LOCATIONS. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF DAMPERS WITH THE AIR BALANCE CONTRACTOR PRIOR TO BID, SO THEY ARE ACCESSIBLE PRIOR TO INSTALLATION. IN LOCATIONS WHERE THESE DAMPERS ARE INACCESSIBLE, CABLE OPERATED ADJUSTMENT CONTROLS SHALL BE PROVIDED AT NO ADDITIONAL COST. SEE DETAIL 1/M5.1. OPPOSED BLADE DAMPERS SHALL NOT BE PERMITTED UNLESS NOTED OTHERWISE.
43. ALL VOLUME DAMPERS SHALL BE INSTALLED MIN THREE DUCT DIAMETERS UPSTREAM OF REGISTERS.

   AUTOMATIC FIRE DAMPER REQUIREMENTS ARE AS FOLLOWS:

   A) PROVIDE AUTOMATIC FIRE DAMPERS AT ALL PENETRATIONS OF FIRE-RATED CEILINGS AND WALLS THROUGHOUT. CONTRACTOR SHALL COORDINATE FIRE-RATED AREAS WITH THE ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO INSTALL AND SHALL NOTIFY PERTINENT PARTIES PRIOR TO ANY WORK PERFORMED IN THESE AREAS. IN ADDITION, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE PROPER ACCESS FOR DAMPERS INSTALLED. THE DAMPER FIRE RATING SHALL BE COMPATIBLE WITH THE CEILING/WALL RATING.

   B) LOCATION OF FIRE-RATED CEILINGS AND WALLS ARE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

   C) FIRE AND/OR SMOKE DAMPER(S) SHALL BE PROVIDED AS REQUIRED BY 2022 CBC AND CFC.

   D) CONTRACTOR SHALL FURNISH FLUSH MOUNTED FIRE AND/OR SMOKE DAMPERS, SO THAT DAMPER DO NOT EXTEND PASS WALLS, FOR AREAS WITHOUT CEILINGS FOR QUALITY WORKMENSHIP.
44. ALL DUCTWORK PASSING THROUGH FIRE RATED CORRIDORS AND LOBBIES SHALL BE MIN. 26 GAGE SHEET METAL CONSTRUCTION. FLEXIBLE DUCTWORK SHALL NOT BE ALLOWED.
45. ALL DUCTWORK, PIPING, CONDUIT, & ETC. PENETRATING FIRE RATED CONSTRUCTION SHALL HAVE APPROVED FIRE STOPPING. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLATION.
46. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OPERATION OF ALL MECHANICAL EQUIPMENT INCLUDING NECESSARY DEVICES FOR INTERLOCKING OF SUCH EQUIPMENT.
47. CONTRACTOR SHALL REFER TO MECHANICAL AND ARCHITECTURAL PLANS FOR REGISTER, DIFFUSER, AND GRILLE LOCATIONS PRIOR TO INSTALLATION.
48. CONTACT THE ENGINEER IMMEDIATELY IF THERE ARE CONFLICTS PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ALL LOCATIONS OF DUCT PENETRATIONS THROUGH SHEAR WALLS. NO DUCT PENETRATE SHEAR WALLS UNLESS SPECIFICALLY SHOWN ON STRUCTURAL PLANS.
49 CONTRACTOR SHALL REFER TO STRUCTURAL, MECHANICAL, AND ARCHITECTURAL PLANS FOR EXTERIOR LOUVER LOCATIONS PRIOR TO FABRICATION AND INSTALLATION. CONTACT THE ENGINEER IMMEDIATELY IF THERE ARE CONFLICTS. REFER TO ARCHITECTURAL EXTERIOR ELEVATION PLANS FOR MOUNTING HEIGHTS. IF MOUNTING HEIGHTS ARE NOT IDENTIFIED ON THE ARCHITECTURAL PLANS. THEN THE CONTRACTOR SHALL RECEIVE FINAL APPROVAL FROM THE ARCHITECT PRIOR TO FABRICATION AND INSTALLATION.
50. CONTRACTOR SHALL COORDINATE ALL DOOR UNDERCUT QUANTITIES AND LOCATIONS WITH THE APPROPRIATE TRADES PRIOR TO FINAL BID. CONTACT THE ARCHITECT IMMEDIATELY IF THERE ARE CONFLICTS.
51. ALL DOOR UNDERCUTS INDICATED ON FLOOR PLAN(S) SHALL BE 3/4" MIN. ABOVE THRESHOLD.
52. CONTRACTOR SHALL IDENTIFY ALL CEILING ACCESS DOORS FOR MANUAL AND REMOTE CONTROLLED (CABLE OPERATED) DAMPERS, CEILING CUP LOCATIONS FOR INACCESSIBLE AREAS FOR THE ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK, EQUIPMENT, ETC.
53. CONTRACTOR SHALL CONFIRM FINAL REFRIGERANT PIPE SIZING UPON DETERMINATION OF ACTUAL DEVELOPED LENGTH. ALL PIPE MATERIALS SHALL BE PER MANUFACTURER'S GUIDELINES.
54. FOR INACCESSIBLE AREAS THE CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL DAMPERS, EQUIPMENT, SMOKE DETECTORS, AND CONTROL DEVICES. THESE PANELS SHALL MATCH THE RATING OF THE WALL AND/OR CEILING WHERE THEY ARE LOCATED IN. MINIMUM ACCESS PANEL SIZES SHALL BE AS FOLLOWS:

   1) HAND ACCESS: 12"x12" MIN.
   2) BODY ACCESS: 30"x30" MIN.
   3) MANUAL REMOTE CONTROL (CABLE OPERATED) DAMPERS IN LIEU OF VOLUME DAMPERS. SEE DETAIL...
55. WHERE A LARGER ACCESS SIZE IS REQUIRED DUE TO INSTALLATION CONSTRAINTS, THE CONTRACTOR SHALL DO SO AT NO ADDITIONAL COST AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF DEVIATIONS PRIOR TO INSTALLATION.
56. CONTRACTOR SHALL COORDINATE ALL MOUNTING HEIGHTS ABOVE FINISHED FLOOR WITH OTHER TRADES AND RECEIVE FINAL APPROVAL FROM THE ARCHITECT PRIOR TO FABRICATING AND INSTALLING EXPOSED DUCTWORK, EQUIPMENT, REGISTERS, ETC.
57. CONTRACTOR SHALL REFER TO MECHANICAL AND ARCHITECTURAL PLANS FOR ALL SIDE-WALL GRILLE LOCATIONS PRIOR TO FABRICATION AND INSTALLATION. CONTACT THE ENGINEER IMMEDIATELY IF THERE ARE CONFLICTS. REFER TO ARCHITECTURAL INTERIOR ELEVATION PLANS FOR MOUNTING HEIGHTS. IF MOUNTING HEIGHTS ARE NOT IDENTIFIED ON THE ARCHITECTURAL PLANS. THEN THE CONTRACTOR SHALL RECEIVE FINAL APPROVAL FROM THE ARCHITECT PRIOR TO FABRICATION AND INSTALLATION.
58. CONTRACTOR SHALL INSULATE ALL REFRIGERANT PIPING SUCTION AND VAPOR LINES. ALL EXTERIOR LINES REQUIRE ALUMINUM JACKETING.
59. CONTRACTOR SHALL PAINT ALL EXPOSED DUCTWORK, REGISTERS, ETC. COORDINATE PAINT FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION.

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rev:	date:	description:

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MECH GENERAL NOTES & LEGEND

drawing no.:
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VRF - BRANCH SELECTOR UNIT SCHEDULE

SYM	MFR & MODEL #	TOTAL CAPACITY (BTU)	PORTS	OUTDOOR UNIT	ELECTRICAL				WEIGHT (LBS)	REMARKS	ANCHORAGE DETAIL
					V	PH	MCA	MOCP			
BS 1	LG PRHR063A	230,000	6	HRU 1	208	1	0.27	15	75	1	5 M4.0

1. PROVIDE FACTORY CONNECTORS AS NECESSARY.

FAN SCHEDULE

SYM	MFR & MODEL #	SERVICE	CFM	ESP	HP	BHP	ELECTRICAL		FAN RPM	WT (LBS)	REMARKS	CONTROL DETAIL	ANCHORAGE DETAIL
							V	PH					
EF 1	GREENHECK SP-A90-130-VG	RESTROOM	100	0.33	1/20	12W	115	1	960	35	1	10 M4.0	8 M4.0
EF 2	GREENHECK SP-A90-130-VG	RESTROOM	100	0.33	1/20	12W	115	1	960	35	1	10 M4.0	8 M4.0
EF 3	GREENHECK SP-A90-130-VG	RESTROOM	100	0.33	1/20	12W	115	1	960	35	1	10 M4.0	8 M4.0

1. PROVIDE WITH BACKDRAFT DAMPER

VRF - HEAT RECOVERY UNIT SCHEDULE

SYM	MFR & MODEL #	NOMINAL TONS	REFRIG.	COOLING				HEATING			ELECTRICAL				WEIGHT (LBS)	REMARKS	PIPING DETAIL	WIRING DETAIL	ANCHORAGE DETAIL
				TOTAL CAPACITY (BTU/h)	SENSIBLE CAPACITY (BTU/h)	SEER	EER / IEER	AMBIENT (°F DB)	OUTPUT (BTU/h)	COP	AMBIENT (°F DB)	V	PH	MODULE 1 MCA	MODULE 1 MOCP					
HRU 1	LG ARUM144DTE5	12.0	R-410A	144,000	-	23	11	95	162,000	3.3	47	460	3	26.4	35	700	1, 2	M5.2	2 M5.2	7 M4.0

1. PROVIDE WITH LGRED CONTROLS AND NEOPRENE MOUNTING PADS
2. CONNECT TO EXISTING CITY CONTROLS. CONTRACTOR TO VERIFY PRIOR TO ORDERING.

VRF - FAN COIL UNIT SCHEDULE

SYM	MFR & MODEL #	AREA SERVICED	NOMINAL TONS	CFM	OSA CFM	ESP (IN. WG)	COOLING		HEATING	FILTER EFFICIENCY	OUTDOOR UNIT	ELECTRICAL				WEIGHT (LBS)	REMARKS	PIPING DETAIL	WIRING DETAIL	ANCHORAGE DETAIL
							TOTAL CAP (BTUH)	SENSIBLE CAP (BTUH)	TOTAL CAP (BTUH)			V	PH	MCA	MOCP					
FC 1-1	LG ARNU243M2A4	OFFICE	2.0	650	75	0.50	24,200	-	27,300	MERV 13	HRU 1	208	1	2.3	15	100	1	12 M4.0	11 M4.0	6 M4.0
FC 1-2	LG ARNU363M2A4	STAFF ROOM	3.0	1050	90	0.50	36,200	-	40,600	MERV 13	HRU 1	208	1	2.3	15	100	1	12 M4.0	11 M4.0	6 M4.0
FC 1-3	LG ARNU243M2A4	WORKSTATION	2.0	650	60	0.50	24,200	-	27,300	MERV 13	HRU 1	208	1	2.3	15	100	1	12 M4.0	11 M4.0	6 M4.0
FC 1-4	LG ARNU483M3A4	ADMIN	4.0	1400	120	0.50	48,100	-	52,200	MERV 13	HRU 1	208	1	2.5	15	110	1	12 M4.0	11 M4.0	6 M4.0
FC 1-5	LG ARNU123M2A4	OFFICE	1.0	450	60	0.50	12,300	-	13,600	MERV 13	HRU 1	208	1	2.3	15	95	1	12 M4.0	11 M4.0	6 M4.0

1. PROVIDE WITH FACTORY FILTER BOX AND MERV 13 FILTERS, LGRED CONTROLS AND PROGRAMMABLE THERMOSTAT, OVERFLOW SHUTOFF, AND CONDENSATE PUMP
2. PROVIDE WITH VENTILATION KIT
3. PROVIDE WITH SMOKE DETECTOR AND UNIT SHUTOFF PER 608.1 OF 2019 CMC

AIR DISTRIBUTION SCHEDULE

SYM.	MANUF & MODEL	NECK SIZE	FACE SIZE	CFM RANGE	MAX. NECK VELOCITY	MAX. N.C.	T. P. DROP	TYPE	DAMPER	REMARKS
– / SD–1	PRICE PDMC	6"Ø 8"Ø 10"Ø 12"Ø 14"Ø 16"Ø 18"Ø	24"x24"	0 - 80 85 - 175 180 - 275 280 - 390 395 - 480 485 - 600 605 - 780	500	25	0.075	MODULAR PERFOR.	MVD	FRAME TYPE 3 FOR T-BAR
– / RG–1	PRICE PDDR	6"Ø 8"Ø 10"Ø 12"Ø 14"Ø 16"Ø 18"Ø	24"x24"	0 - 80 85 - 175 180 - 275 280 - 390 395 - 480 485 - 600 605 - 780	500	25	0.016	PERFOR.	MVD	FRAME TYPE 3 FOR T-BAR
– / SD–2	PRICE SMCD	6"x6" 8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 20"x20"	12"x12" 14"x14" 16"x16" 18"x18" 20"x20" 22"x22" 24"x24" 26"x26"	0 - 125 130 - 220 225 - 350 355 - 500 505 - 680 685 - 880 885 - 1125 1130 - 1400	500	25	.057	MODULAR CORE	MVD	BORDER TYPE 1 FOR GYP. BOARD CEILING PROVIDE SQUARE TO ROUND ADAPTER FOR ALL
– / RG–2	PRICE 530L	6"x6" 8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 22"x20"	8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 20"x20" 24"x22"	0 - 90 95 - 195 200 - 300 305 - 450 455 - 590 595 - 800 805 - 1040 1045 - 1400	500	25	.067	LOUVERED	MVD	BORDER TYPE N FOR GYP. BOARD CEILING
– / SR–1	PRICE 520L	6"x6" 8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 22"x20"	8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 20"x20" 24"x22"	0 - 90 95 - 195 200 - 300 305 - 450 455 - 590 595 - 800 805 - 1040 1045 - 1400	500	25	0.016	LOUVERED ADJUSTABLE	MVD	BORDER TYPE N FOR SIDEWALL MOUNT
– / RG–3	PRICE 530L	6"x6" 8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 22"x20"	8"x8" 10"x10" 12"x12" 14"x14" 16"x16" 18"x18" 20"x20" 24"x22"	0 - 90 95 - 195 200 - 300 305 - 450 455 - 590 595 - 800 805 - 1040 1045 - 1400	500	25	.067	LOUVERED ADJUSTABLE	MVD	BORDER TYPE N FOR SIDEWALL MOUNT

LEGEND

– / – CFM / AIR DISTRIBUTION DEVICE

SD	SUPPLY DIFFUSER
SR	SUPPLY REGISTER
RG	RETURN GRILLE
EG	EXHAUST GRILLE
TG	TRANSFER GRILLE

NOTES:
1. NOT ALL DIFFUSER/GRILLE TYPES OR SIZES MAY BE USED ON THIS PROJECT.

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owner

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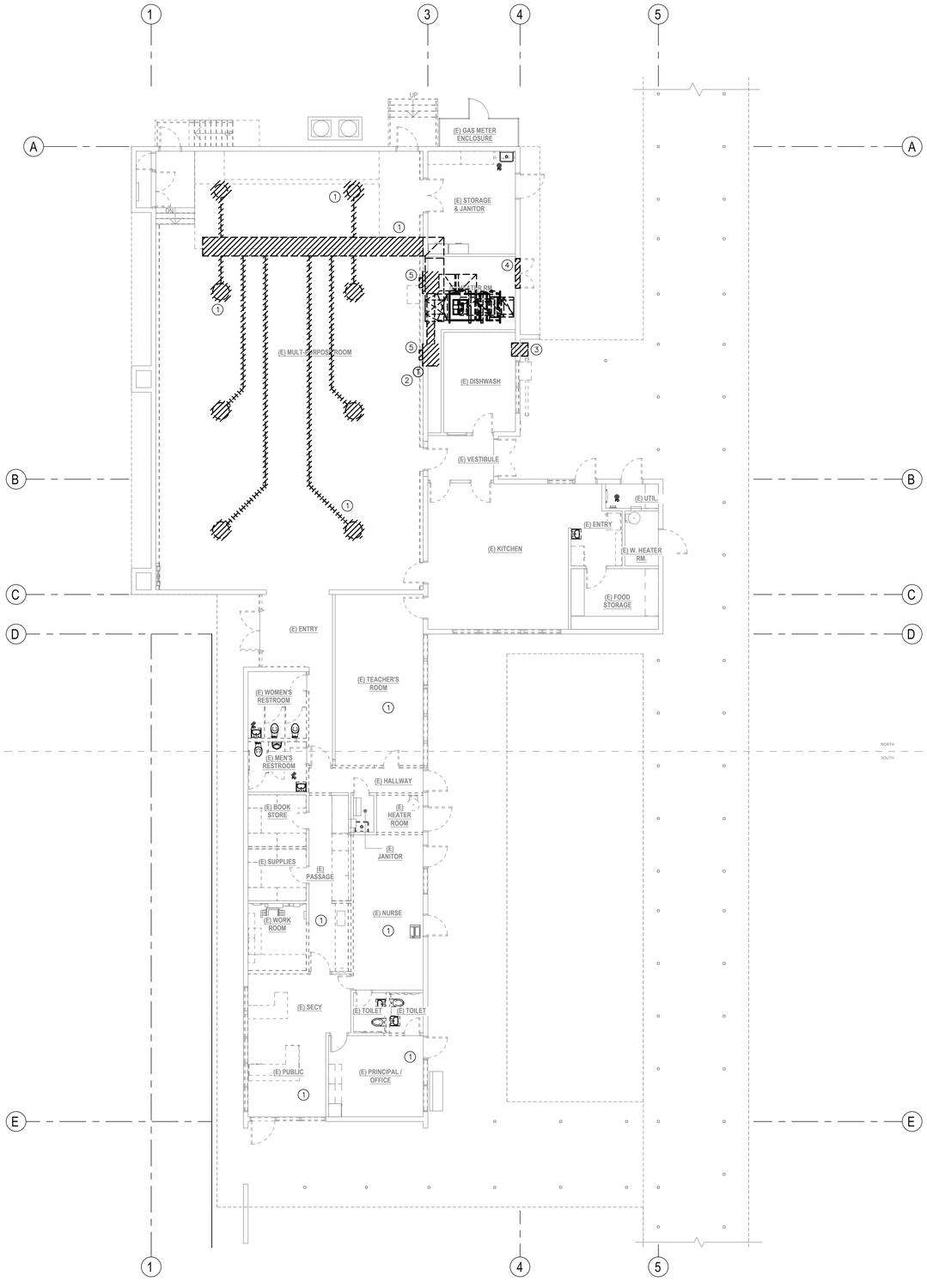
rev:	date:	description:

drawing title:

MECHANICAL SCHEDULES

drawing no.:

M0.2



NORTH

MECHANICAL DEMOLITION FLOOR PLAN - OVERALL

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

GENERAL NOTES

1. CONTRACTOR SHALL REUSE EXISTING OPENING(S) IN ROOF FOR FUTURE DUCTWORK AND ETC, WHEREVER POSSIBLE COORDINATE WITH OTHER TRADES AS NECESSARY.
2. CONTRACTOR SHALL REMOVE EXISTING HYDRONIC HEATING UNIT, RELATED EXPOSED PIPING, AND COMPONENTS. CONCEALED PIPING, AND COMPONENTS SHALL BE ABANDONED IN PLACE.
3. EXISTING HYDRONIC PIPING TO BE REMOVED. CONTRACTOR SHALL REPAIR/INFILL ALL PENETRATIONS THRU' WALLS, FLOORS, AND CEILINGS. PENETRATIONS SHALL BE PATCHED OR CAULKED TO MATCH SURROUNDING MATERIALS AND AS REQUIRED TO MAINTAIN FIRE RATING OF WALL, FLOOR, OR CEILING.
4. CONTRACTOR SHALL REUSE EXISTING WALL AND/OR ROOF OPENING(S). MODIFY EXISTING OPENING(S) AS REQUIRED FOR NEW DUCT(S), REGISTER(S), AND ETC. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AS NECESSARY.
5. EXISTING ABANDONED OR DEFUNCT PIPING, FLUES, VENTS, & ETC. ON ROOF–TOP SHALL BE REMOVED. PATCH AND REPAIR ROOF AS NECESSARY.
6. CONTRACTOR SHALL PATCH AND REPAIR EXISITNG WALL AND/OR ROOF OPENING(S) AS NECESSARY FOR EXISTING DUCTS, REGISTERS, & ETC. BEING REMOVED.

DEMOLITION KEYNOTES

1. EXISTING AIR DISTRIBUTION TO BE DEMO'D. ASSOCIATED DUCTWORK TO BE REMOVED AS INDICATED AND DUCTWORK TO REMAIN TO BE PROTECTED IN–PLACE FOR REUSE DURING CONSTRUCTION PHASE (TYP.).
2. EXISTING CONTROLS TO BE REMOVED FROM WALL FOR CONSTRUCTION PHASE BUT BE PROTECTED DURING DEMO AND CONSTRUCTION PHASES AND REINSTALLED DURING CONSTRUCTION PHASE.
3. EXISTING HVAC EQUIPMENT TO BE REMOVED. OPENING IN STRUCTURE TO BE PATCHED AND REPAIRED TO LIKE–NEW.
4. EXISTING LOUVER ABOVE DOOR TO BE DEMO'D AND OPENING TO BE PROTECTED IN PLACE FOR REUSE DURING CONSTRUCTION PHASE.
5. EXISTING RETURN AIR LOUVER AND ASSOCIATED DUCTWORK TO BE DEMO'D. REMAINING RETURN AIR DUCTWORK TO REMAIN AND BE PROTECTED FOR REUSE DURING CONSTRUCTION PHASE.

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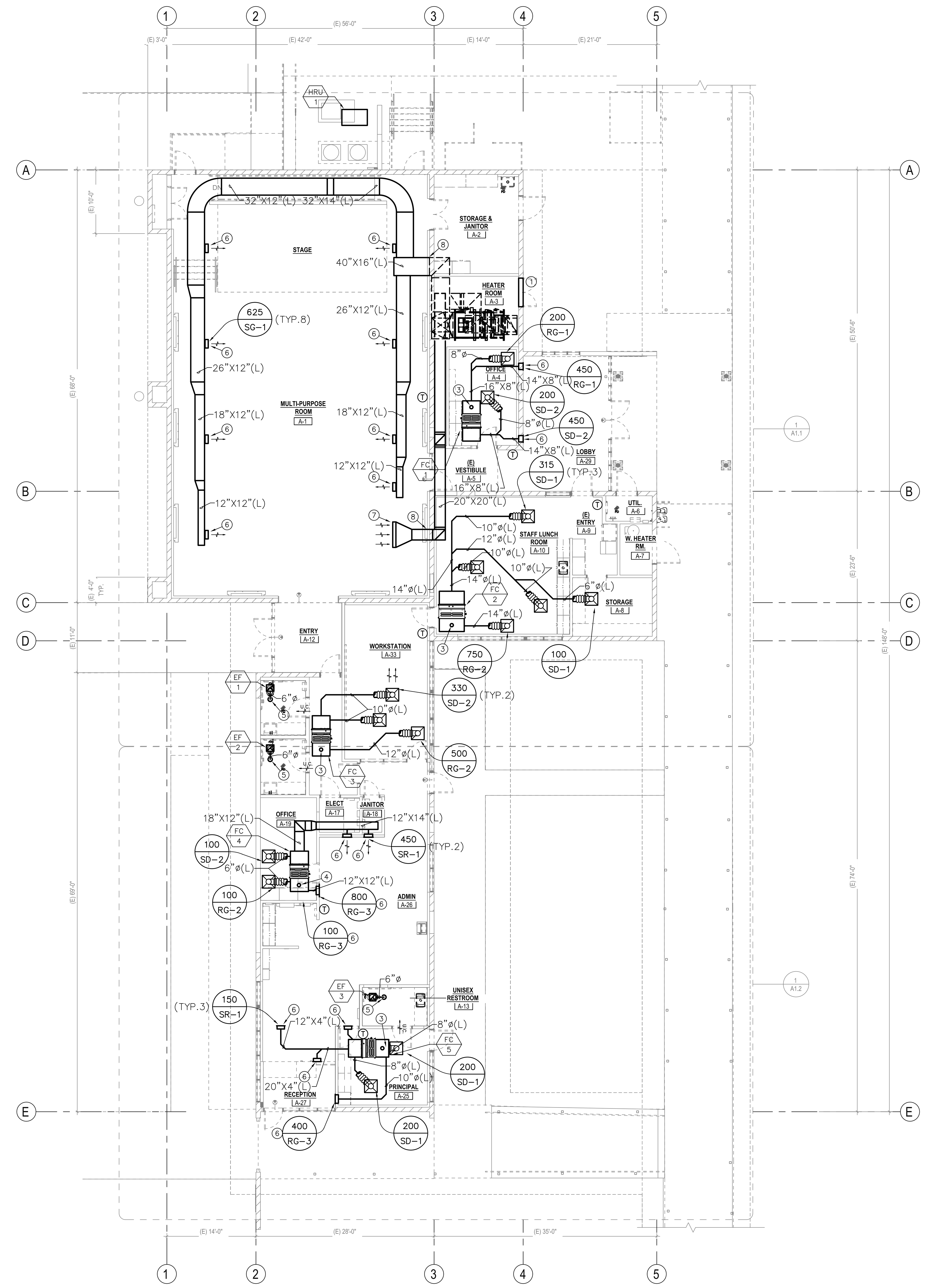
MECH DEMO FLR PLAN - OVERALL

drawing no.:

M0-1.0



MECHANICAL FLOOR PLAN - OVERALL

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

GENERAL NOTES

1. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS. DAMPERS SHALL BE LOCATED AS CLOSE TO THE MAIN DUCT AS POSSIBLE.
2. PROVIDE MAXIMUM 5'-0" OF ACOUSTICAL FLEX DUCT TO EACH DIFFUSER LOCATED IN T-BAR CEILINGS. ALL DIFFUSERS LOCATED IN HARD-LID CEILINGS SHALL HAVE RIGID CONNECTIONS.
3. PROVIDE REMOTE CABLE OPERATED CONTROLS FOR ALL VOLUME DAMPERS LOCATED ABOVE HARD-LID CEILINGS.
4. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
5. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS. COORDINATE AND PAINT ALL DIFFUSERS PER ARCHITECTURAL REQUIREMENTS.
6. INSTALL ALL DUCTWORK AND SIDEWALL SUPPLY/RETURN GRILLES AS HIGH AS POSSIBLE.
7. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUCT, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM.
8. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DOOR LOUVER AND UNDERCUT LOCATIONS WITH THE APPROPRIATE TRADES PRIOR TO BID.
9. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM ALL ELECTRICAL EQUIPMENT AND SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT.
10. DUCTWORK ABOVE PARTIAL CEILINGS TO BE PAINTED TO MATCH ABOVE AND NOT BE INSULATED.
11. ALL SUPPLY AND RETURN DUCTWORK TO BE INTERNALLY-LINED.

KEYNOTES

1. PROVIDE NEW MAKEUP AIR LOUVER WITH BIRDSCREEN ABOVE DOOR IN EXISTING OPENING TO MATCH OPENING DIMENSIONS.
2. CONNECT 34"x26" NEW SUPPLY AIR PLENUM TO EXISTING SUPPLY AIR DUCT. PLENUM TO MATCH FULL SIZE OF EXISTING DUCT. CONTRACTOR TO VERIFY IN FIELD.
3. 6"ø OSA AIR DUCT UP THRU ROOF. SEE DETAIL 3/M4.0 FOR TERMINATION.
4. 8"ø OSA AIR DUCT UP THRU ROOF. SEE DETAIL 3/M4.0 FOR TERMINATION.
5. EXHAUST AIR DUCT UP THRU ROOF. SEE DETAIL 3/M4.0 FOR TERMINATION.
6. SIDEWALL GRILLE TO BE INSTALLED IN VERTICAL FACE OF SOFFIT OR WALL. SEE ARCHITECTURAL DRAWINGS FOR ELEVATION.
7. 48"X20" PRICE 530L OR EQUAL RETURN AIR GRILLE. TO BE BALANCED AT 3,600 CFM.
8. DUCT THRU EXISTING OPENING.

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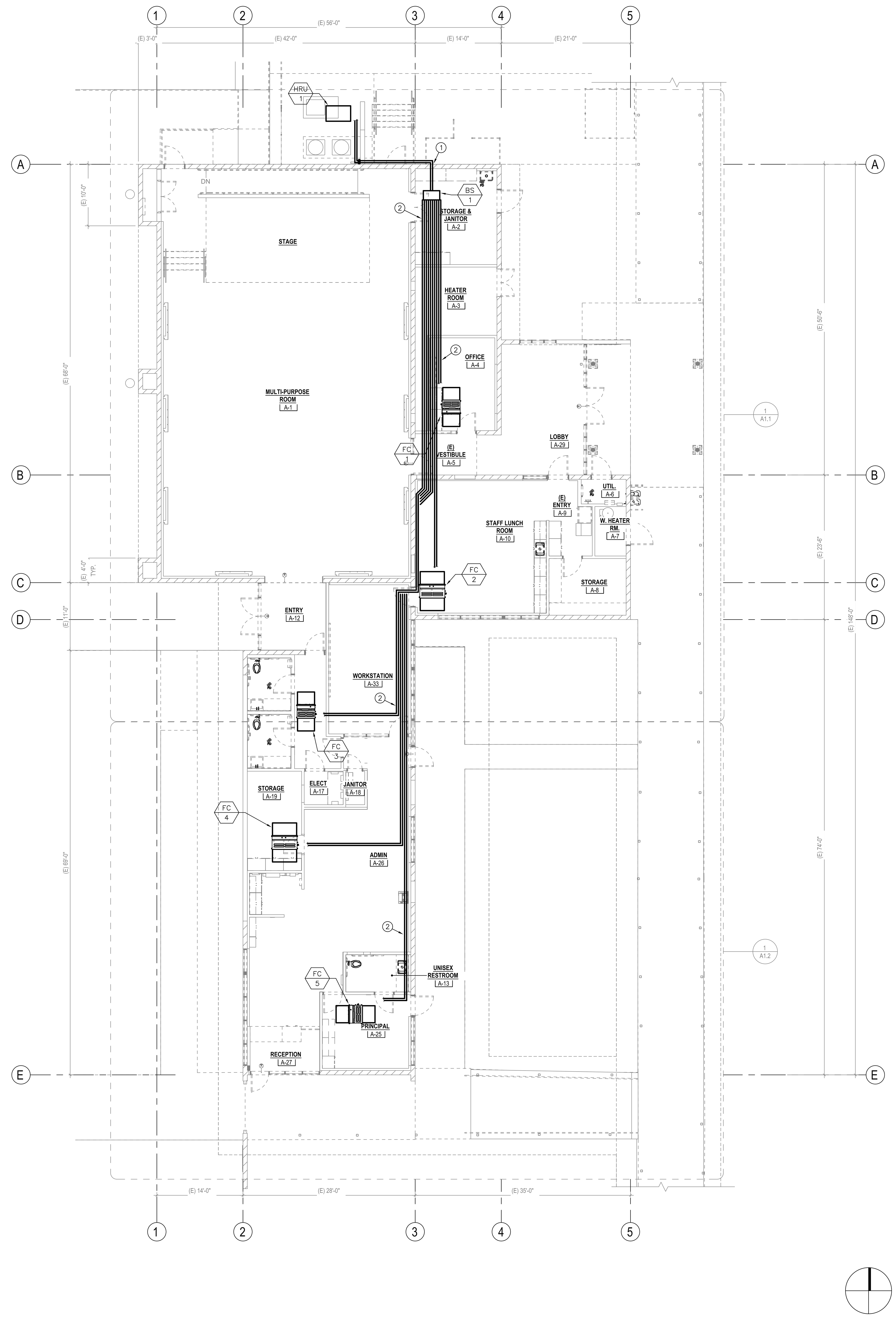

GENERAL NOTES

1. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS. DAMPERS SHALL BE LOCATED AS CLOSE TO THE MAIN DUCT AS POSSIBLE.
2. PROVIDE MAXIMUM 5'–0" OF ACOUSTICAL FLEX DUCT TO EACH DIFFUSER LOCATED IN T–BAR CEILINGS. ALL DIFFUSERS LOCATED IN HARD–LID CEILINGS SHALL HAVE RIGID CONNECTIONS.
3. PROVIDE REMOTE CABLE OPERATED CONTROLS FOR ALL VOLUME DAMPERS LOCATED ABOVE HARD–LID CEILINGS.
4. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
5. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS. COORDINATE AND PAINT ALL DIFFUSERS PER ARCHITECTURAL REQUIREMENTS.
6. INSTALL ALL DUCTWORK AND SIDEWALL SUPPLY/RETURN GRILLES AS HIGH AS POSSIBLE.
7. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUCT, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM.
8. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DOOR LOUVER AND UNDERCUT LOCATIONS WITH THE APPROPRIATE TRADES PRIOR TO BID.
9. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM ALL ELECTRICAL EQUIPMENT AND SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT.

KEYNOTES

1. REFRIGERANT PIPING THRU EXTERIOR WALL.
2. REFRIGERANT PIPING. CONTRACTOR TO VERIFY REFRIGERANT PIPE ROUTING AND SIZING WITH MANUFACTURER PRIOR TO ORDERING.

MECHANICAL FLOOR PLAN - OVERALL

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

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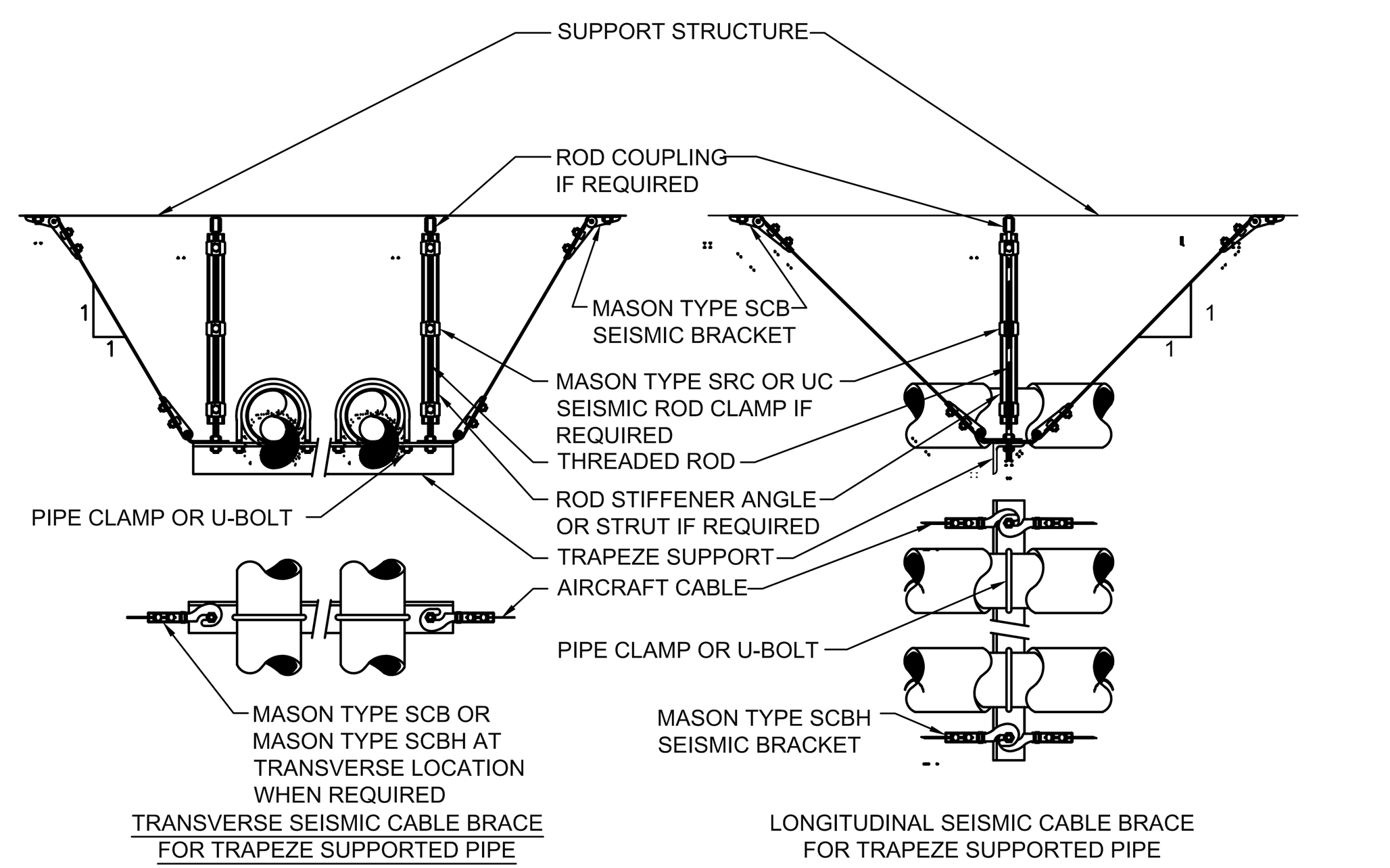
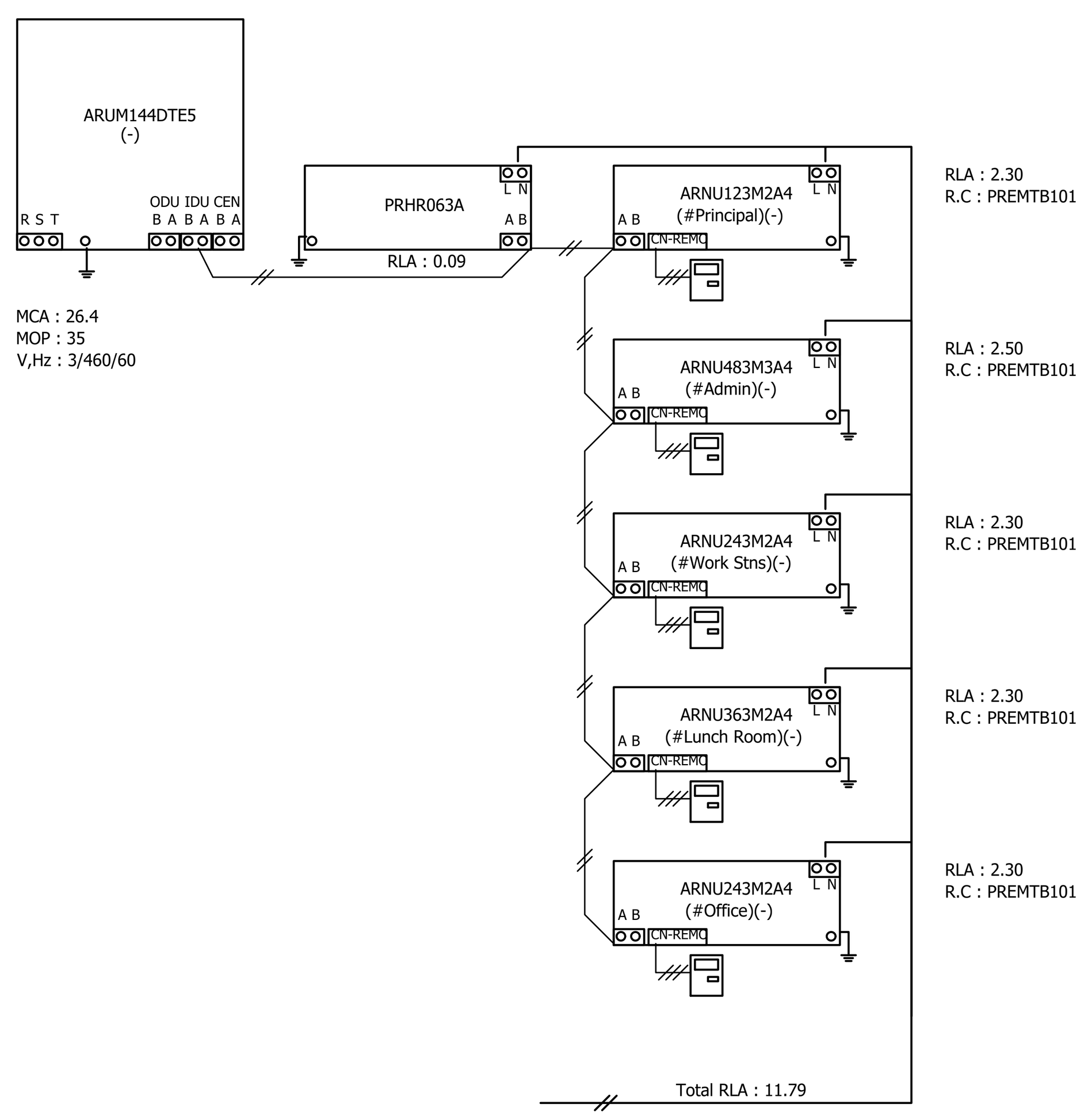


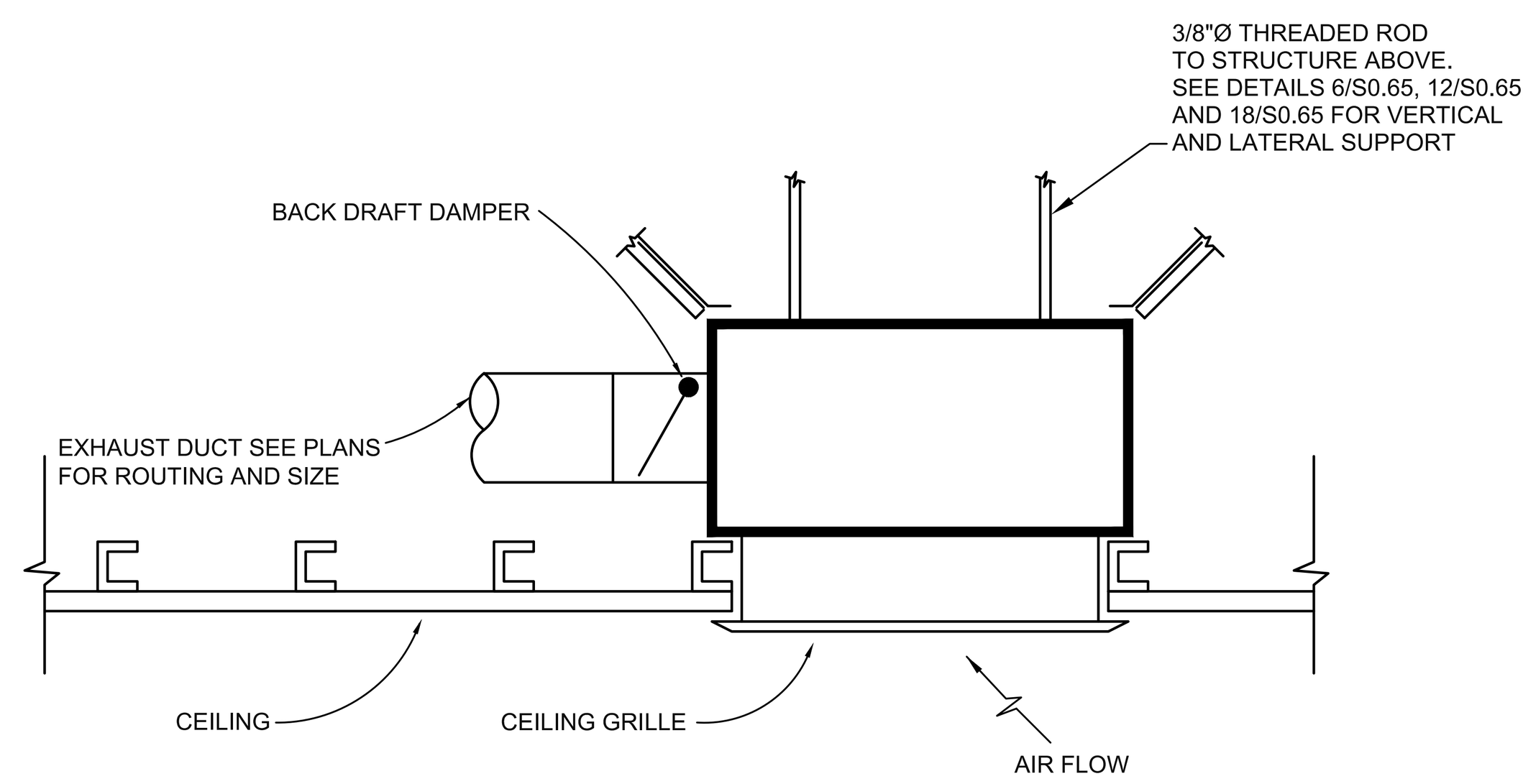
SUSPENDED REFRIGERANT PIPE ANCHORAGE — SCALE NONE — 16

Note :
Power wiring, breaker size, and disconnects should follow local code and NEC.
Multi-frame outdoor units require a separate power connection for each frame.
Refer to the most up-to-date submittal sheets for applicable electrical data.



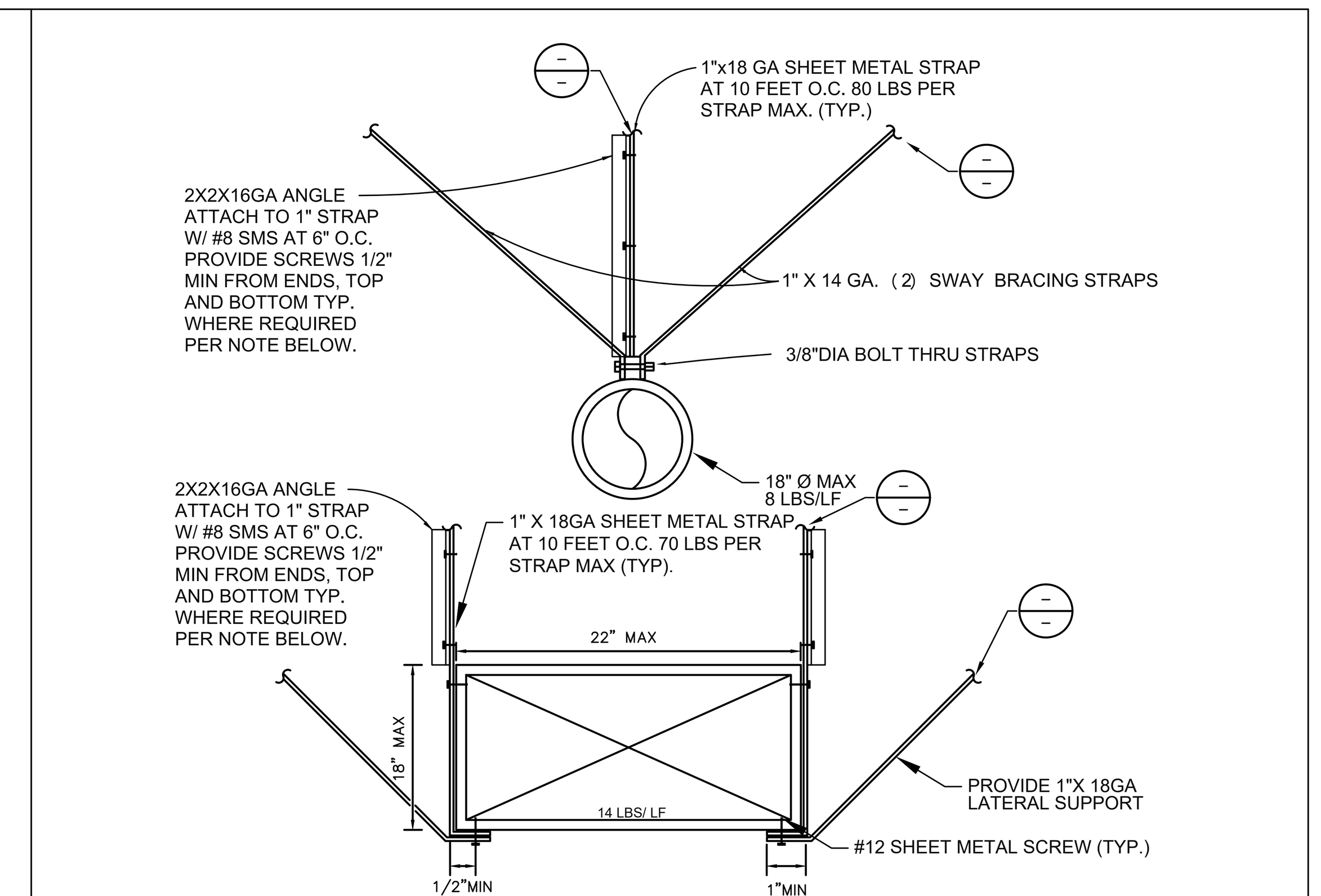
- Power line(Outdoor unit)
- Power line(Indoor unit / HR unit)
- Communication line (ODU-IDU / ODU-ODU) : Twisted, Stranded and shielded AWG 18 x 2C
- Communication line (ODU-CEN) : Twisted, Stranded and shielded AWG 18 x 2C
- Communication line(Remote controller) : Twisted and stranded AWG 22 x 3C
- Communication line(EEV lead wire)
- Ground shield wire at ODU only
- Note : Polarity matters: Always connect 'A' to 'A' and 'B' to 'B'

HRU WIRING DIAGRAM — SCALE NONE — 11



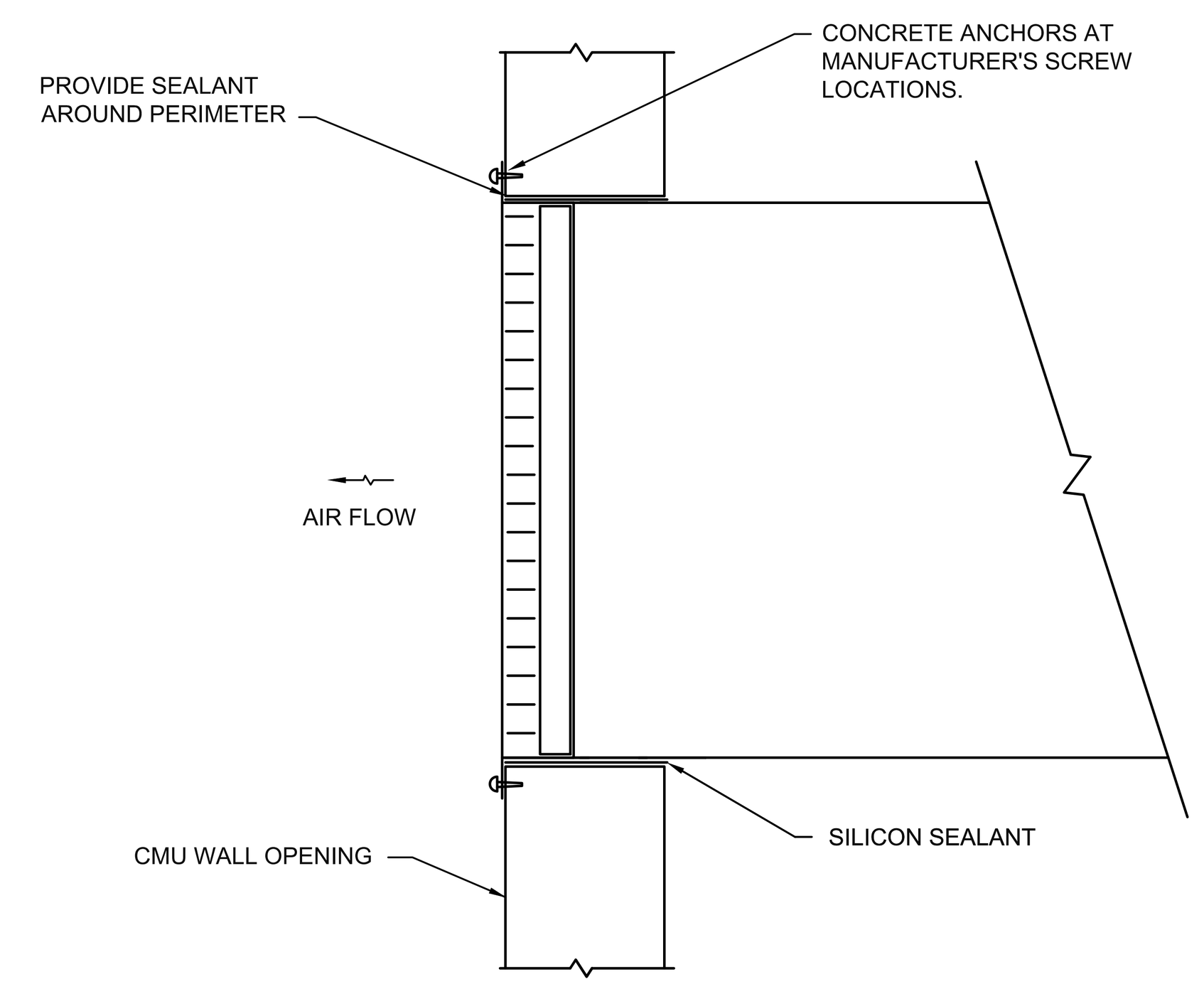
NOTES:
PROVIDE VERTICAL AND LATERAL SUPPORTS. SEE 6/S0.65, 12/S0.65, AND 18/S0.65 FOR ADDITIONAL INFORMATION.

CEILING EXHAUST FAN ANCHORAGE DETAIL — SCALE NONE — 8

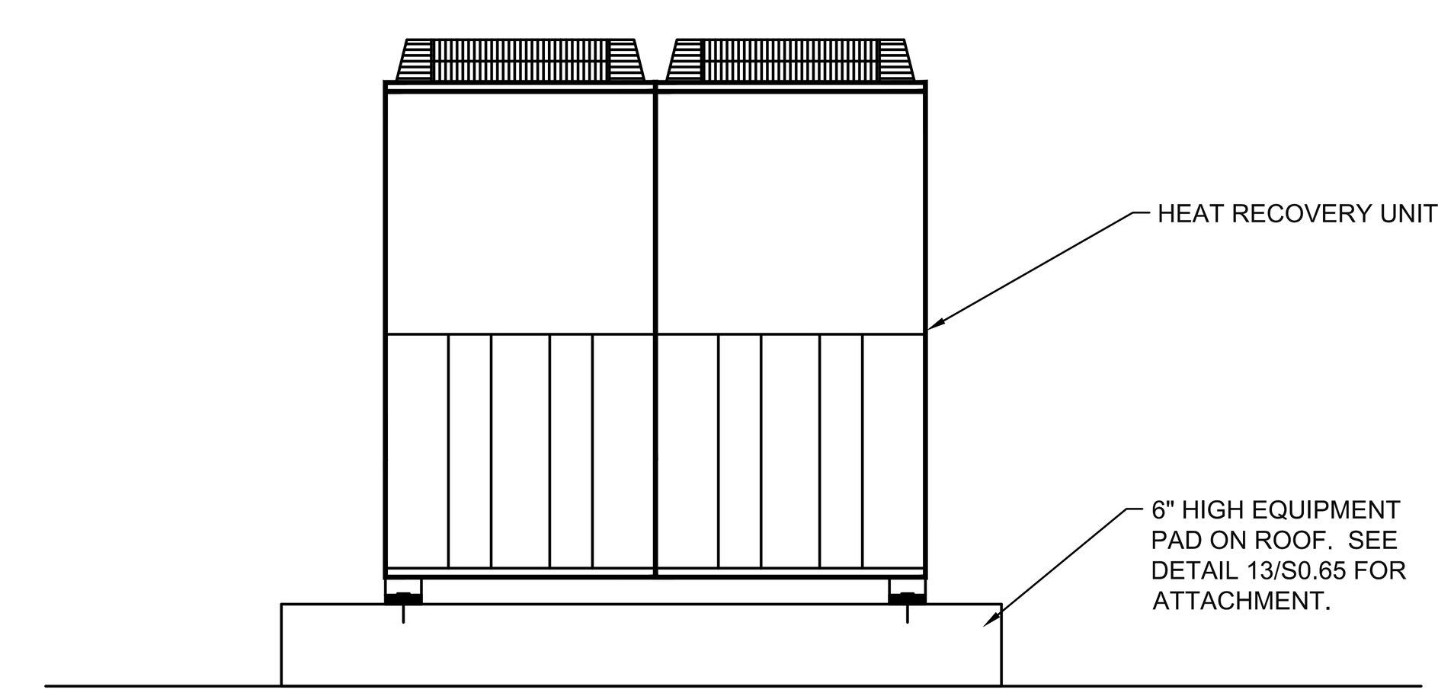


NOTE:
1. THE VERTICAL ANGLE IS TO BE ADDED WHEREVER REQUIRED TO AVOID IMPACT TO ADJACENT COMPONENTS WHICH WOULD CREATE A HAZARD (FALLING, GAS BREAKAGE, ETC.) OR OTHERWISE DAMAGE ESSENTIAL LIFE-SAFETY SYSTEM PER CBC 2022 SECTION 1617.1.25 REQUIREMENTS.

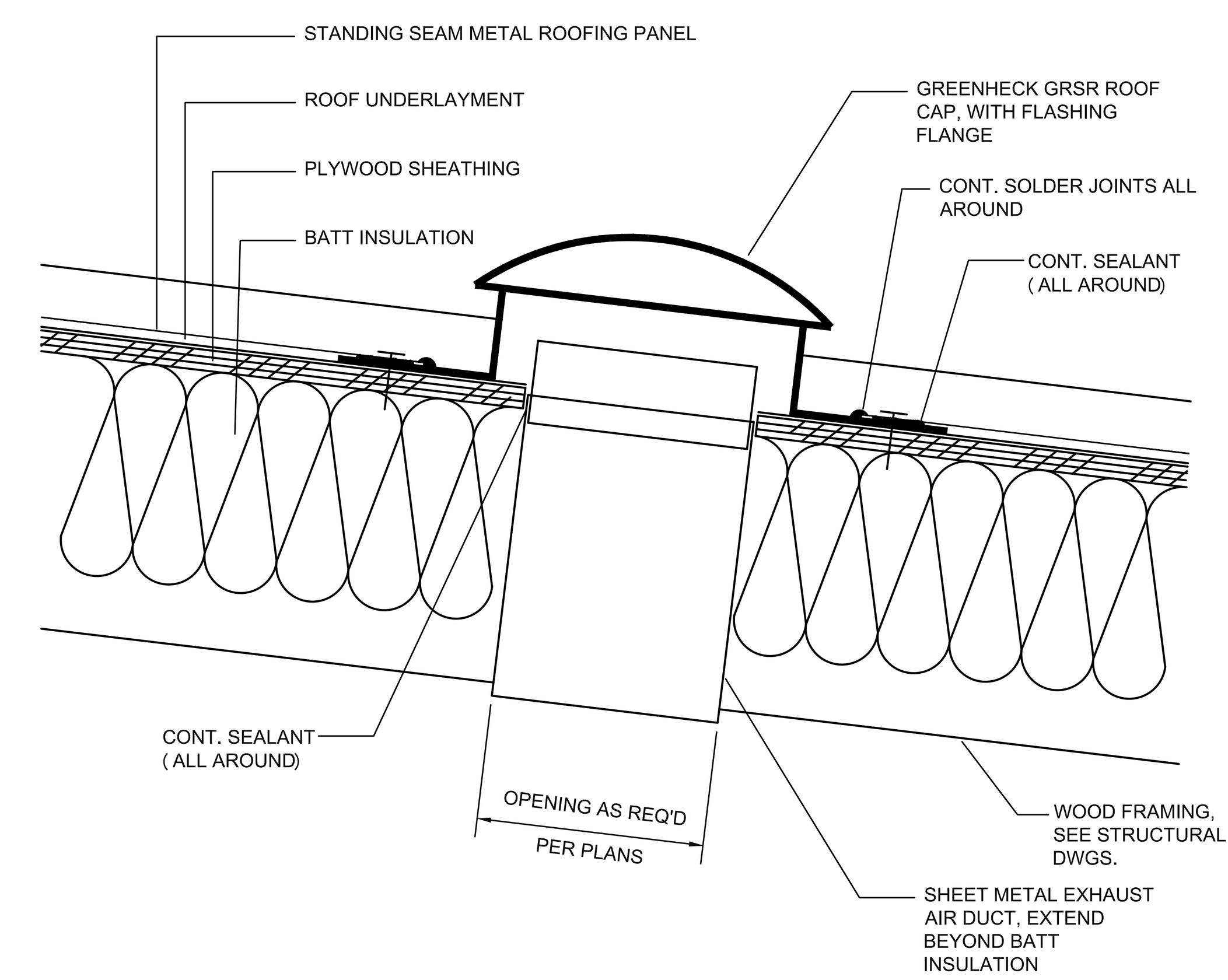
CEILING DIFFUSER DETAIL — SCALE NONE — 4



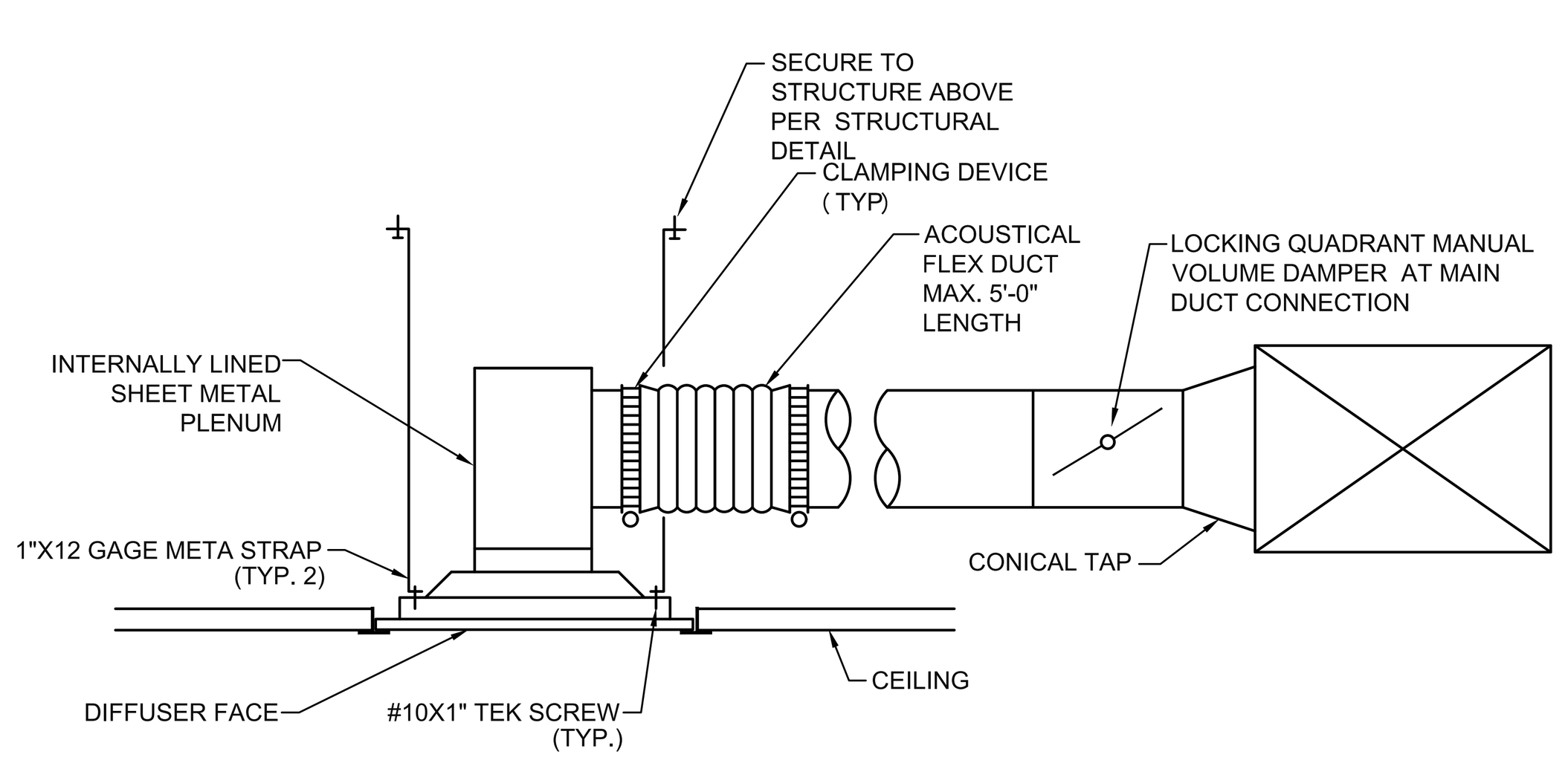
SIDEWALL MOUNTED GRILLE DETAIL — SCALE NONE — 15



VRF HRU ANCHORAGE DETAIL — SCALE NONE — 7

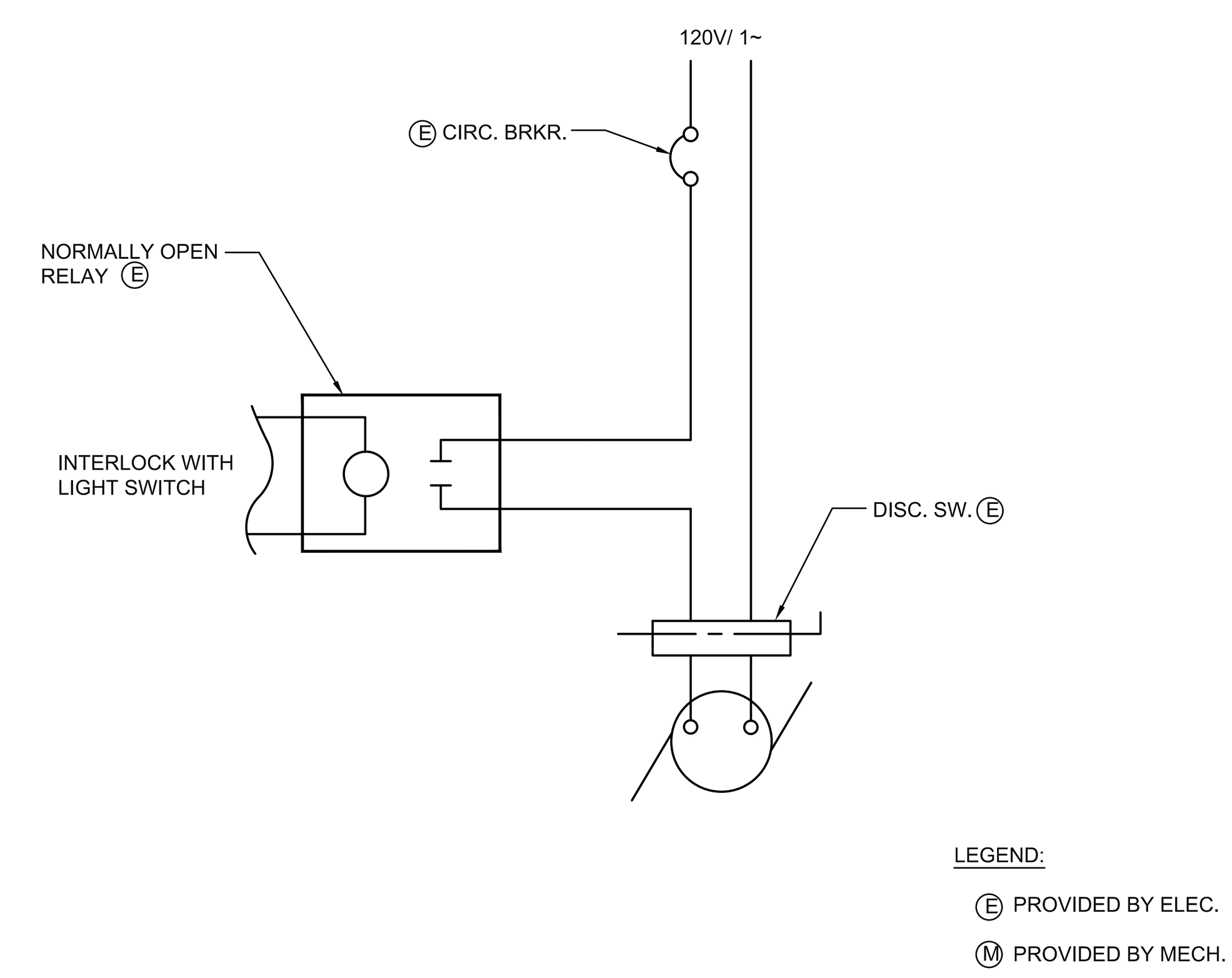


ROOFCAP PENETRATION DETAIL — SCALE NONE — 3

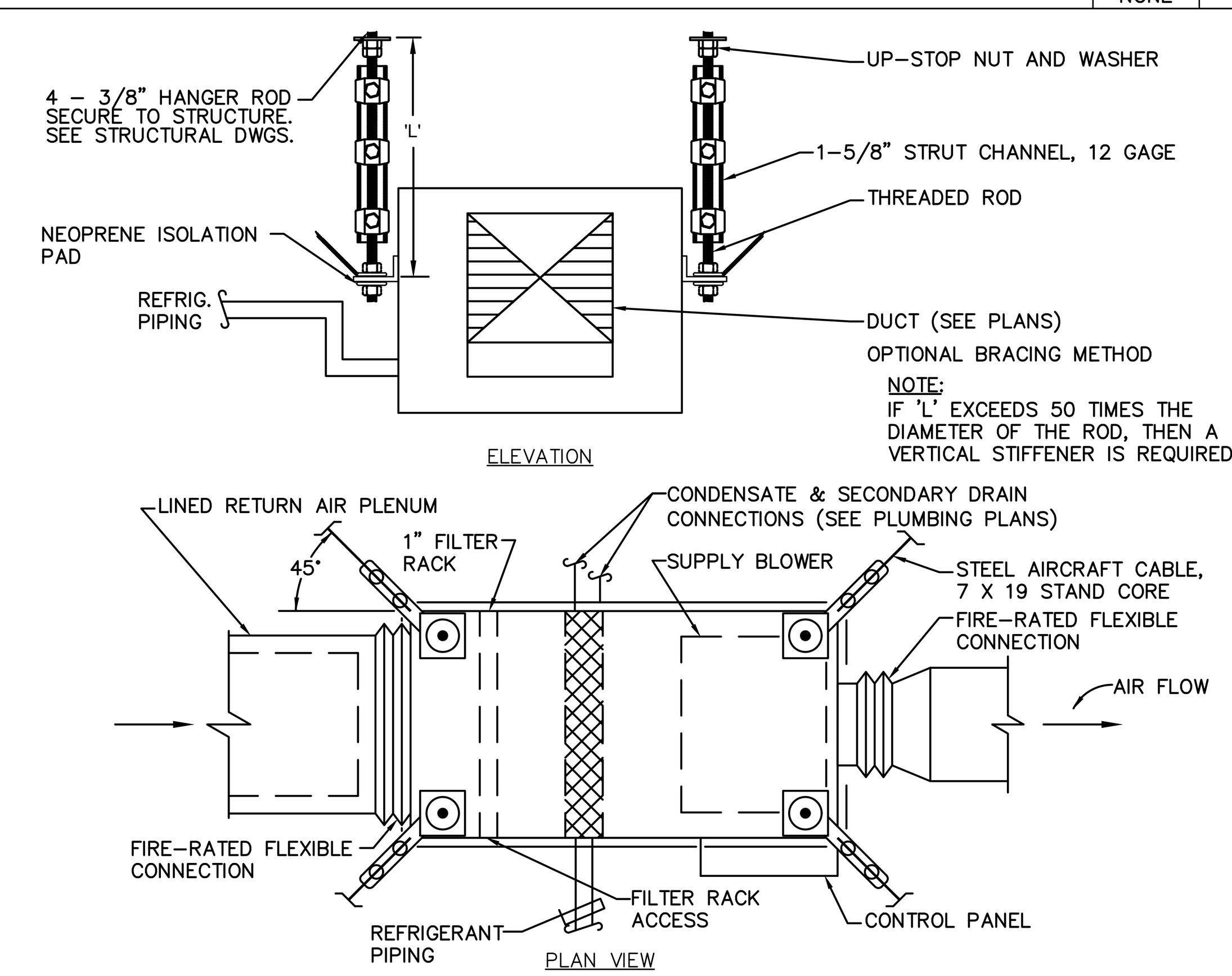


NOTE:
FLEXIBLE DUCT SHALL NOT EXCEED 5'-0" IN LENGTH

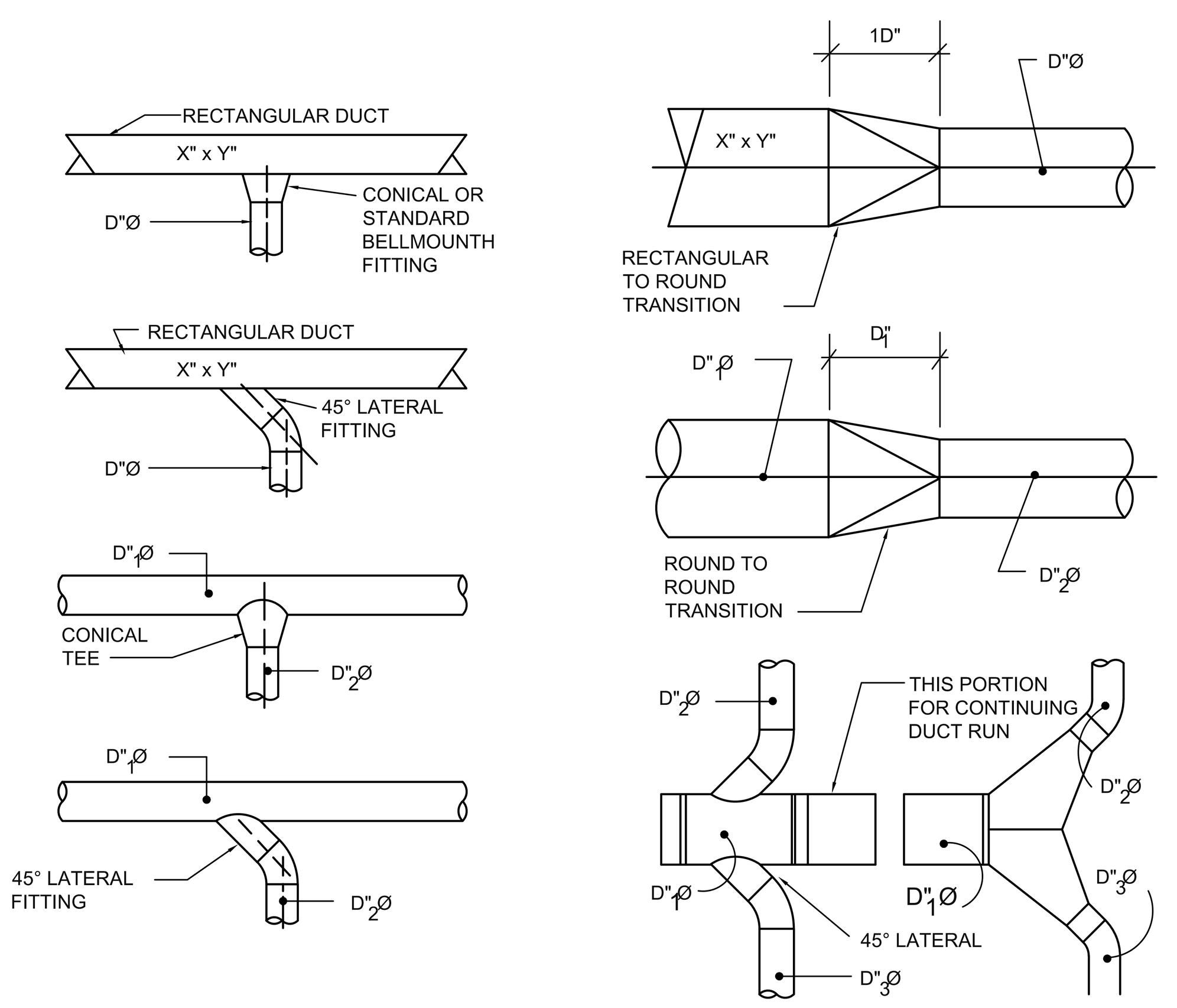
CEILING MOUNTED DIFFUSER DETAIL — SCALE NONE — 14



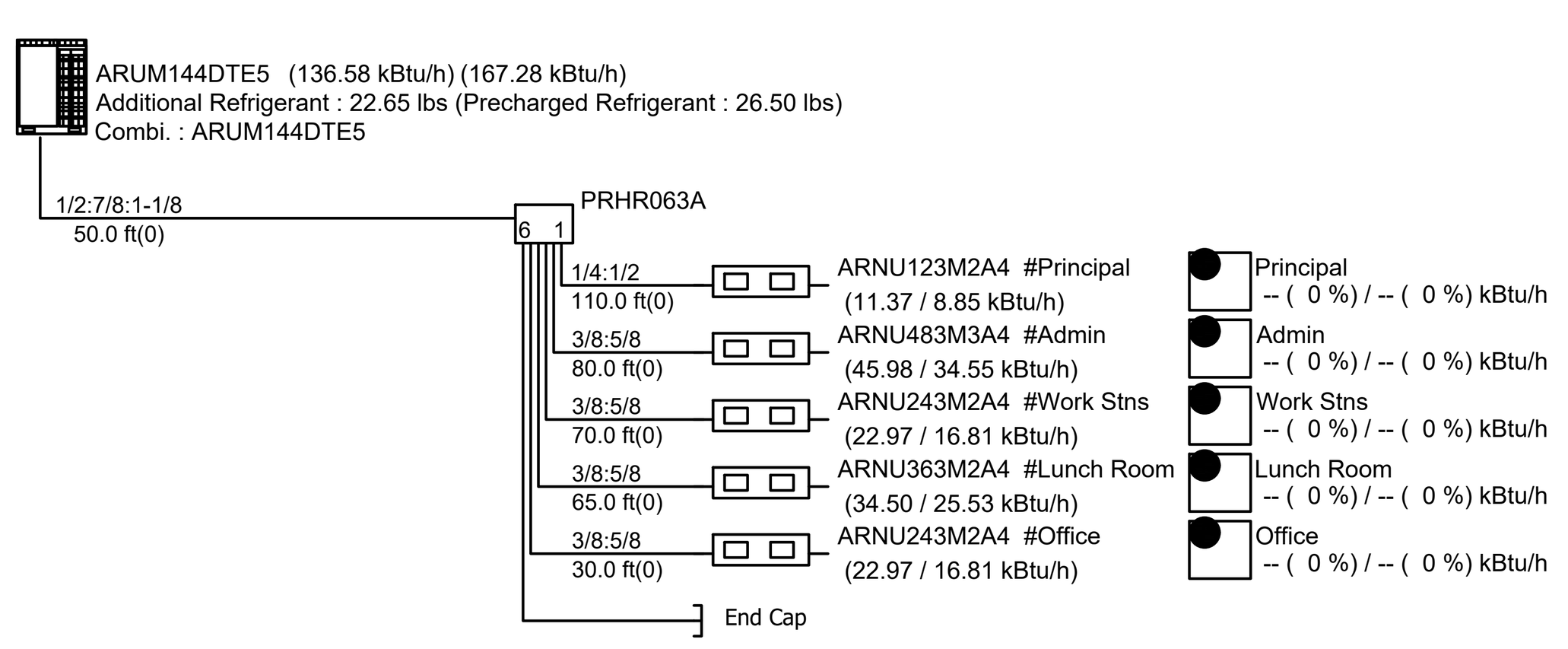
EXHAUST FAN WIRING DIAGRAM — SCALE NONE — 10



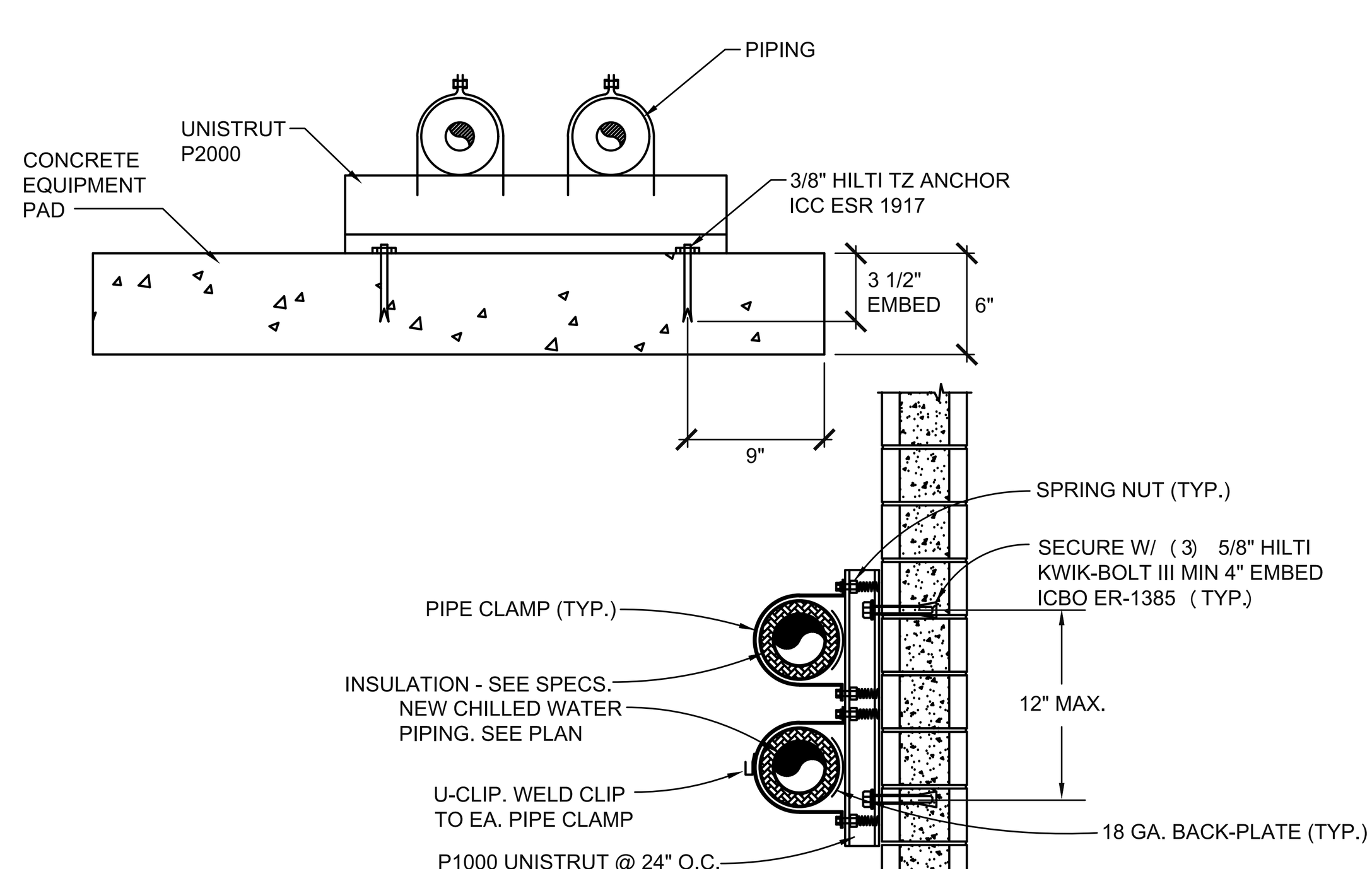
DUCT FAN COIL ANCHORAGE DETAIL — SCALE NONE — 6



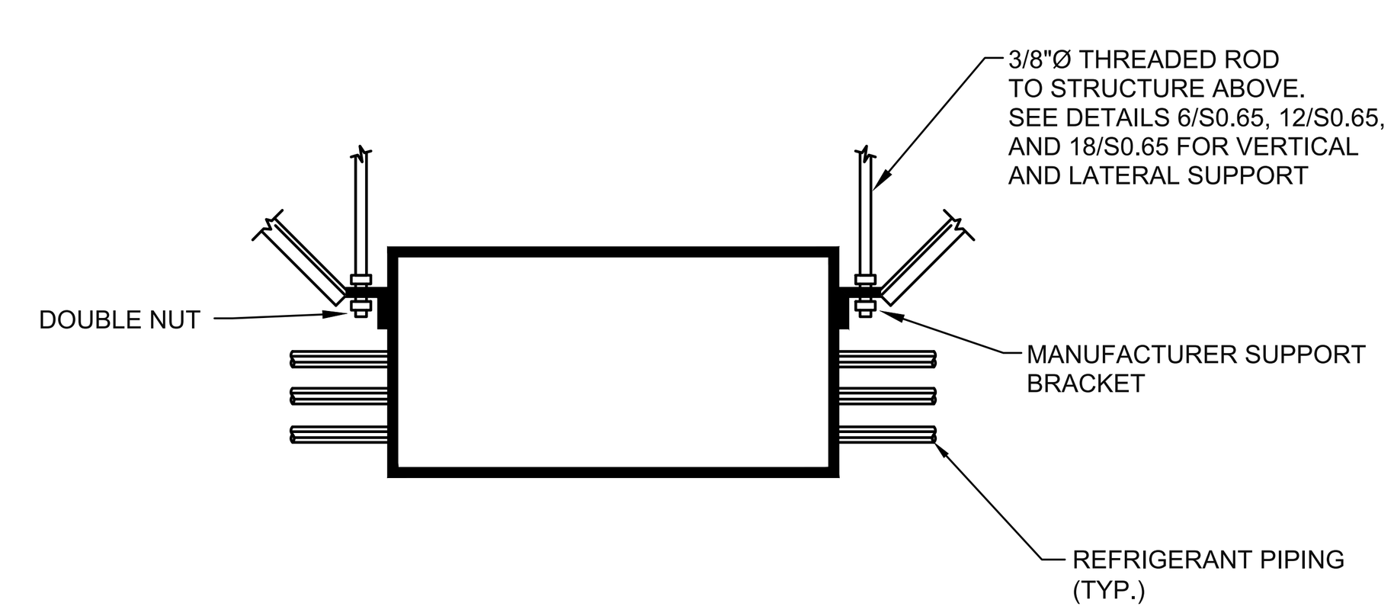
DUCTWORK TRANSITION DETAIL — SCALE NONE — 2



HRU PIPING DIAGRAM — SCALE NONE — 12

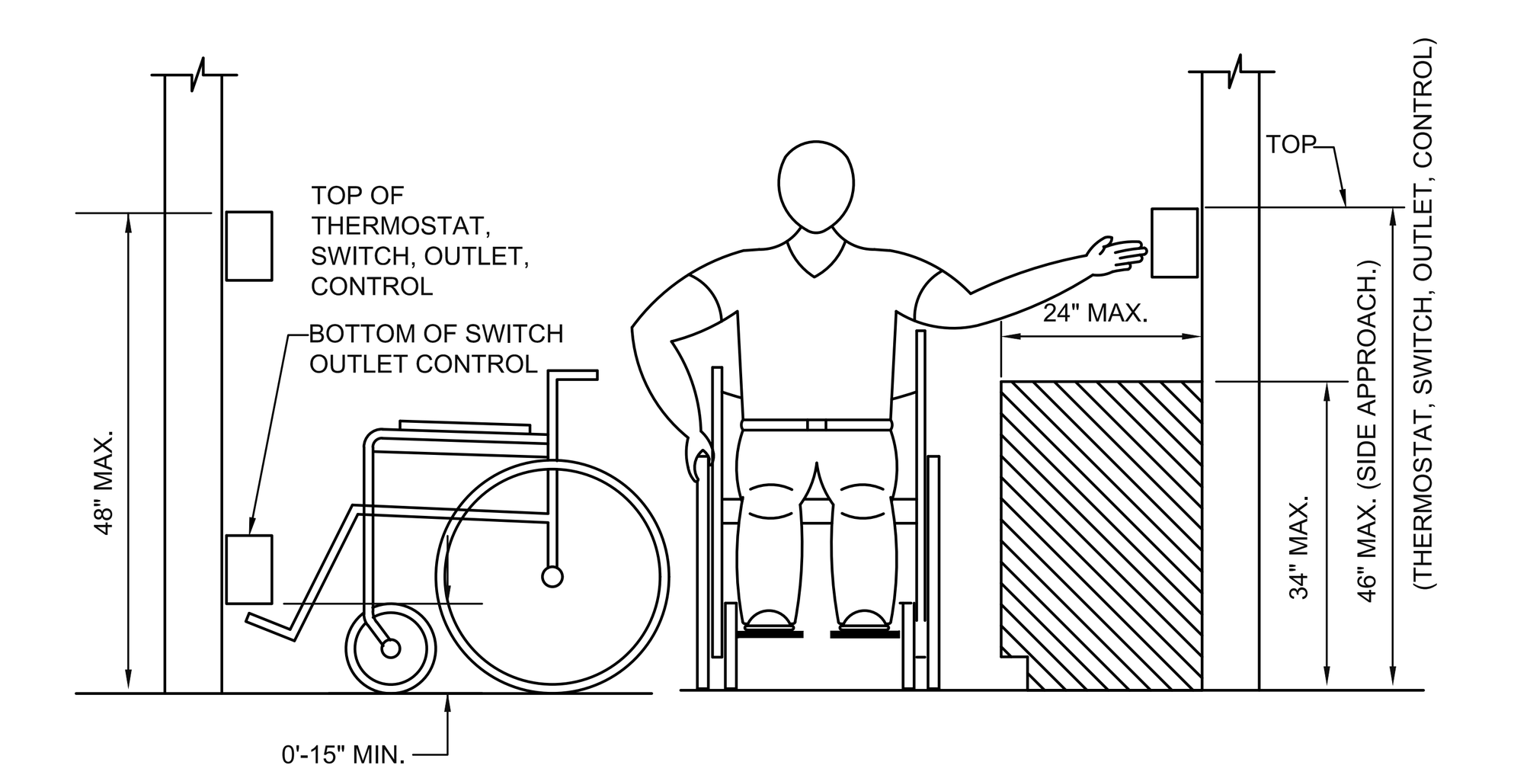


REFRIGERANT PIPE ANCHORAGE DETAIL — SCALE NONE — 9



NOTES:
PROVIDE VERTICAL AND LATERAL SUPPORTS. SEE 6/S0.65, 12/S0.65, AND 18/S0.65 FOR ADDITIONAL INFORMATION.

BRANCH SELECTOR ANCHORAGE — SCALE NONE — 5



THERMOSTAT MOUNTING DETAIL — SCALE NONE — 1

DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE, SUITE 2100
LOS ANGELES, CA 90071
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DSA File #

agency

tBP
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tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

PDS
PocockDesignSolutions Inc.

consultant

ADMINISTRATION
BUILDING RENOVATION
DIBBLE ADULT SCHOOL
1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745
HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00
file name:
drawn by: Author checked by: Checker
date: 02/28/2025 11/27/2024 9:01:27 AM

rev:	date:	description:

drawing title:
MECHANICAL DETAILS

drawing no.:
M4.0

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.	
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 1 of 7)
Project Address:	**Date Prepared:** 2025-01-27T16:25:01-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Hacienda Heights	04	Total Conditioned Floor Area	6100
02	Climate Zone	9	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1

● Office

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
☐ Heating Air System	☐ Water Economizer	☐ Air Economizer
☒ Cooling Air System	☐ Pumps	☐ Electric Resistance Heat
Mechanical Controls	☐ System Piping	☐ Fan Systems
☐ Mechanical Controls (existing to remain, altered or new)	☐ Cooling Towers	☒ Ductwork (existing to remain, altered or new)
	☐ Chillers	☐ Ventilation
	☐ Boilers	☐ Zonal Systems/ Terminal Boxes

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 2 of 7)
	Date Prepared: 2025-01-27T16:25:01-05:00

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08		09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4I	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2		Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		
Yes	AND		AND		AND	Yes	AND		AND		AND	Yes	AND			COMPLIES
Mandatory Measures Compliance (See Table Q for Details)												COMPLIES				

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
HRU-1	1	Multi-zone			☐

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 3 of 7)
	Date Prepared: 2025-01-27T16:25:01-05:00

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
				Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2						
				Heating Output[2,3]			Cooling Output[2,3]		Load Calculations[3,4]	
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available[1] 140.4(a) and 170.2(c)1	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
HRU-1	Variable Refrigerant Flow (with heat recovery)		Yes	100,000	162,000	0	120,000	144,000	100000	132,000

[1] FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.
[2] It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
[3] If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
[4] Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
		Heating Mode				Cooling Mode		
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
HRU-1		47 °Fdb/ 43 °Fwb OSA	COP		3.2	EER IEER	10.4 13.7	11 23

G. PUMPS

This section does not apply to this project.

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 4 of 7)
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H. FAN SYSTEMS & AIR ECONOMIZERS

This section does not apply to this project.

I. SYSTEM CONTROLS

This section does not apply to this project.

J. VENTILATION AND INDOOR AIR QUALITY

This section does not apply to this project.

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

Duct Leakage Testing

The answers to the questions below apply to the following duct systems:	**NR/ Common Use:** Duct leakage testing shall not exceed 15% per NA7.5.3 required for these systems?	No

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 5 of 7)
	Date Prepared: 2025-01-27T16:25:01-05:00

L. DISTRIBUTION (DUCTWORK and PIPING)

	New ductwork on M-1.0	**Dwelling Units:** Total duct leakage of duct system shall not exceed 15% or duct system to outside shall not exceed 10% per RA3.1.4 required for systems?	---
		Duct leakage testing per CMC Section 603.9.2 required for these systems?	Yes
11	No	The scope of the project includes only duct systems serving healthcare facilities	
12	No	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.	
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.	
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:	
15	No	The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.	
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.	
17	Yes	All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A	
18	No	All ductwork is an extension of an existing duct system	
19	No	Ductwork serving individual dwelling unit	
20		< 25 ft of new or replacement space conditioning ducts installed	
21	R-4.2	Duct Insulation R-value	
22	No	Ductwork Existing To Remain	
23	Yes	Duct System Connected To Altered Space Conditioning System	

M. COOLING TOWERS

This section does not apply to this project.

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 6 of 7)
	Date Prepared: 2025-01-27T16:25:01-05:00

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title
NRCI-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	No	Plan sheet or construction document location
03		04
Mandatory Measure		**Plan sheet or construction document location**
Heating Equipment Efficiency per 110.1		M0.2
Cooling Equipment Efficiency per 110.1		M0.2
Furnace Standby Loss Control per 110.2(d)		NA
Duct Insulation per 120.4		M0.1
Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)		NA
The air duct and plenum system is designed per 120.4(a)-(f)		M-0.1

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
Project Name: HLPUSD Dibble Admin TI	**Report Page:** (Page 7 of 7)
Project Address:	**Date Prepared:** 2025-01-27T16:25:01-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Andrew Gossman	Documentation Author Signature: Andrew Gossman
Company: Pocock Design Solutions	Signature Date: 1/27/2025
Address: 14451 Chambers Road, Suite 210	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Tustin, CA 92679	Phone: 949-417-3903

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Resoonsible Desiener Name: Andrew Gossman	Responsible Designer Signature: Andrew Gossman
Company: Pocock Design Solutions	Date Signed: 1/27/2025
Address: 14451 Chambers Road, Suite 210	License: M35839
City/State/Zip: Tustin, CA 92679	Phone: 949-417-3903

DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726
DSA Application #
DSA File #

agency

tBP architecture planning interiors

tBP/Architecture
461 Fallen Avenue
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ph: 949.673.0300 fx: 949.732.3895

architect

REGISTERED PROFESSIONAL ENGINEER ANDREW R. GOSSMAN No. M35839 Exp. 3/31/26 MECHANICAL STATE OF CALIFORNIA

PDS PocockDesignSolutions Inc.

consultant

ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

IBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

date: 02/28/2025 11/27/2024 9:01:27 AM

rev:	date:	description:

drawing title:

T24 COMPLIANCE FORMS

drawing no.:

M6.0

FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS: TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	DESCRIPTION
WC 1	WATER CLOSET (ACCESSIBLE)	INT	4"	2"	--	1"	--	KOHLER NO. K-96057 "HIGHCLIFF ULTRA 16-5/8" HEIGHT ELONGATED FLUSHOMETER TOILET", SIPHON JET, FLOOR MOUNTED, ELONGATED BOWL, 16-5/8" HIGH. COMPLETE WITH SLOAN ROYAL NO. 111-1.28 GPF FLUSH VALVE, OLSONITE NO. 95SSCT SEAT AND A/S BOLT CAPS.
L 1	LAVATORY (ACCESSIBLE, UNDER COUNTER, TW)	1-1/4"	2"	1-1/2"	1/2"	1/2"	--	DUPONT CORIAN 8254 UNDERCOUNTER LAVATORY", 18" X 12-3/4", UNDERCOUNTER MOUNTED, COMPLETE WITH CHICAGO NO. 857-E12V665PSHAB METER FAUCET, McGUIRE NO. 155A 1-1/4" OUTLET "OPEN GRID P.O. PLUG", McGUIRE NO. P#8090NCO 1-1/4" L.A. PATTERN P-TRAP WITH TRAP AND SUPPLY COVERS, GALVANIZED NIPPLE AND CHROMIUM PLATED BRASS CASING, AND CHICAGO NO. 1017-ABCP LOOSE KEY STOPS WITH RIGID SUPPLIES. MOUNT IN ACCORDANCE WITH ADA REQUIREMENTS.
S 1	SINK (FACULTY, KITCHEN, SINGLE BOWL, ACCESSIBLE, HW/CW, DISPOSER)	1-1/2"	2"	1-1/2"	1/2"	1/2"	--	ELKAY NO. ELUHAD211555 "LUSTERTONE SINGLE BOWL UNDERMOUNT SINK", SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, UNDERMOUNT, 21" X 15" X 5-1/2" DEEP. COMPLETE WITH CHICAGO NO. 2304-E35ABCP DECK MOUNTED, SS HOSE WITH HAND SPRAY, LEVER HANDLE, GOOSENECK FAUCET WITH E35AB 1 1.5 GPM SOFTFLO AERATOR, INSINKERATOR "BADGER 1" FOOD WASTE DISPOSER, 1/3 H.P./120V/6.7 AMP AVG., McGUIRE NO. P#8089NCO 1-1/2" L.A. PATTERN P-TRAP WITH TRAP AND SUPPLY COVERS, GALVANIZED NIPPLE AND CHROMIUM PLATED BRASS CASING, AND CHICAGO NO. 1017-ABCP LOOSE KEY STOPS WITH RIGID SUPPLIES. MOUNT IN ACCORDANCE WITH ADA REQUIREMENTS.
SS 1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	--	CECO NO. 865 "SERVICE SINK", 22" X 18", ENAMELED CAST IRON, WALL MOUNTED, COMPLETE WITH CHICAGO NO. 305-VBR FAUCET WITH INTEGRAL STOPS, PAIL HOOK, VACUUM BREAKER AND ADJUSTABLE SUPPLY ARMS, 3" DIAMETER CAST IRON P-TRAP STANDARD WITH STRAINER, AND CONCEALED WALL HANGER.
FS 1	FLOOR SINK	2"	2"	1-1/2"	--	--	--	ZURN NO. ZN1901-KC-P-2, 12" X 12" X 8" DEEP, CAST IRON BODY, ACID-RESISTING ENAMELED INTERIOR, COMPLETE WITH DOME STRAINER, NICKEL-BRONZE HALF GRATE, SEEPAGE FLANGE, TRAP PRIMER CONNECTION AND P-TRAP.

ITEM	FIXTURE	ROUGH-IN CONNECTIONS: TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	DESCRIPTION
WHA 1	WATER HAMMER ARRESTOR	--	--	--	--	--	--	ZURN NO. Z-1700 SERIES "SHOKTROL" WATER HAMMER ARRESTOR COMPLETE BEHIND ACCESS PANEL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
DF 1	DRINKING FOUNTAIN W/BOTTLE FILLER (ACCESSIBLE)	1-1/2"	2"	1-1/2"	--	3/4"	--	HAWS NO. 1119.14 WITH 1920 BOTTLE FILLER, WALL MOUNTED, 14-GAUGE STAINLESS STEEL W/ INTEGRAL 1/4" STAINLESS STEEL MOUNTING PLATE, ADA APPROVED. COMPLETE WITH VANDAL PROOF BOTTOM PLATES, NO. 6800 SUPPORT CARRIER, NO. 6700.4 MOUNTING PLATE, B32 BACK PANEL, AND CHICAGO NO. 45LKABCP ANGLE STOP WITH 1/2" FEMALE INLET & OUTLET, NO. 6469 DRIP TRAY, AND AQUAPURE NO. 3MFF100 FILTER. MOUNT AT ADA ACCESSIBLE HEIGHT.
IMB 1	ICE MAKER BOX	--	--	--	--	1/2"	--	GUY GRAY NO. MIB1-HAAB "METAL LEAD FREE ICE MAKER BOX", COMPLETE WITH INTEGRAL HAMMER ARRESTER QUARTER-TURN VALVE, 1/4" O.D. COMPRESSION OUTLET CONNECTION AND WHITE POWDER COAT FINISH. INSTALL ICE MAKER BOX @ 18" ABOVE FINISH FLOOR.
TP 1	TRAP PRIMER (SINGLE DRAIN)	--	--	--	--	1/2"	--	MIFAB NO. MR-500 TRAP PRIMER VALVE, BRASS BODY, ADJUSTABLE, COMPLETE WITH 1/2" COPPER TYPE "L" PIPE TO RECEPTOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, COMPLETE BEHIND ACCESS PANEL WITH SHUT-OFF VALVE.
TP 2	TRAP PRIMER (MULTIPLE DRAIN)	--	--	--	--	1/2"	--	MIFAB NO. MR-500 TRAP PRIMER VALVE, BRASS BODY, ADJUSTABLE, COMPLETE WITH MI-DU DISTRIBUTION UNIT, 1/2" COPPER TYPE "L" PIPE TO EACH RECEPTOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, COMPLETE BEHIND ACCESS PANEL WITH SHUT-OFF VALVE.
FD 1	FLOOR DRAIN	2"	2"	1-1/2"	--	--	--	ZURN NO. ZN-415-BZ1-P, CAST IRON BODY, COMPLETE WITH ROUND NICKEL-BRONZE TOP, CLAMPING COLLAR, 1/2" TRAP PRIMER CONNECTION AND P-TRAP.

WATER HEATER SCHEDULE

ITEM	MANUFACTURER	MODEL NO.	SERVICE	LOCATION	STORAGE	ELECTRICAL DEMANDS: VOLT	PHASE	KW/AMP	CYCLE	RECOVERY CAPACITY @ 60°T	INLET TEMP °F	OUTLET TEMPER °F	OPER. WT. LBS.	REMARKS
WH 1	CHRONOMITE MICRO	INSTANT-TEMP CMI-20L/277	DOMESTIC HOT WATER	SEE PLANS	INSTANT-FLOW	277	1	20 A	60	INSTANT	60	104	8 LBS.	MUST HAVE ASHRAE STICKER OR OTHERWISE COMPLY WITH TITLE 24 REQUIREMENT FOR SERVICE WATER HEATERS.

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. ALL ACCESSIBLE WATER CLOSETS SHALL HAVE FLUSH VALVE WITH HANDLE ON OPEN SIDE.
3. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
4. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
5. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
6. ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
7. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
8. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. ALL URNINALS SHALL HAVE CLEANOUTS ABOVE FIXTURE, CPC 707.4. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
9. ALL URINALS SHALL HAVE CLEANOUTS ABOVE FIXTURE, PER CPC 707.4. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH THE ARCHITECT PRIOR TO ANY INSTALLATION.
10. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS.
11. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
12. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2022.
13. THESE DRAWINGS INDICATE THE SEWER, WATER, AND STORM DRAIN SYSTEMS TO POINT OF CONNECTION 5'-0" OUTSIDE OF THE BUILDING. CONTINUATION OF THESE SYSTEMS IS SHOWN ON THE CIVIL DRAWINGS AND IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS. THE PIPING SHALL BE INSTALLED TO MEET THE INVERT ELEVATIONS SHOWN ON THE CIVIL DRAWINGS.
14. INSULATION (SEE SPECIFICATION FOR TYPE REQUIRED) AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH 2022 C.B.C. SECTION 720.3.
15. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHERE TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. CMC 2022, CHAPTERS 7, 9 ,& 11.
16. ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT, STRUCTURAL ENGINEER AND DSA.
17. M.E.P. COMPONENT ANCHORAGE NOTE:

    ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

    1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
    2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
    3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVER BY DSA.

    THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REVERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENTS IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

    A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
    B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL

    THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE THE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE THE DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
18. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

    PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCE AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3, AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1616A.1.26.

    THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2022 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

    MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

    MP [ ] MD [ ] PP [X] E [ ] – OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

    MP [ ] MD [ ] PP [ ] E [ ] – OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #0043-13.

LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S OR W	SOIL OR WASTE BELOW FLOOR OR GRADE
	V	SANITARY VENT
	CW	COLD WATER
	HW	HOT WATER
CD	CD	CONDENSATE DRAIN
ESS	ESS	EXISTING SANITARY SEWER
EV	EV	EXISTING SANITARY VENT
ECW	ECW	EXISTING COLD WATER
EHW	EHW	EXISTING HOT WATER
		DIRECTION OF FLOW
	SOV	SHUT-OFF VALVE
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
		RISER UP
		RISER DOWN
	ABV	ABOVE
	AP	ACCESS PANEL
	BEL	BELOW
	CLG	CEILING
	CONT	CONTINUATION
	COTG	CLEANOUT TO GRADE
	DN	DOWN
	EXIST	EXISTING
	FLR	FLOOR
	POC	POINT OF CONNECTION
	PLCS	PLACES
	VTR	VENT THRU ROOF

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PLUMBING GEN. NOTES & LEGEND

drawing no.:

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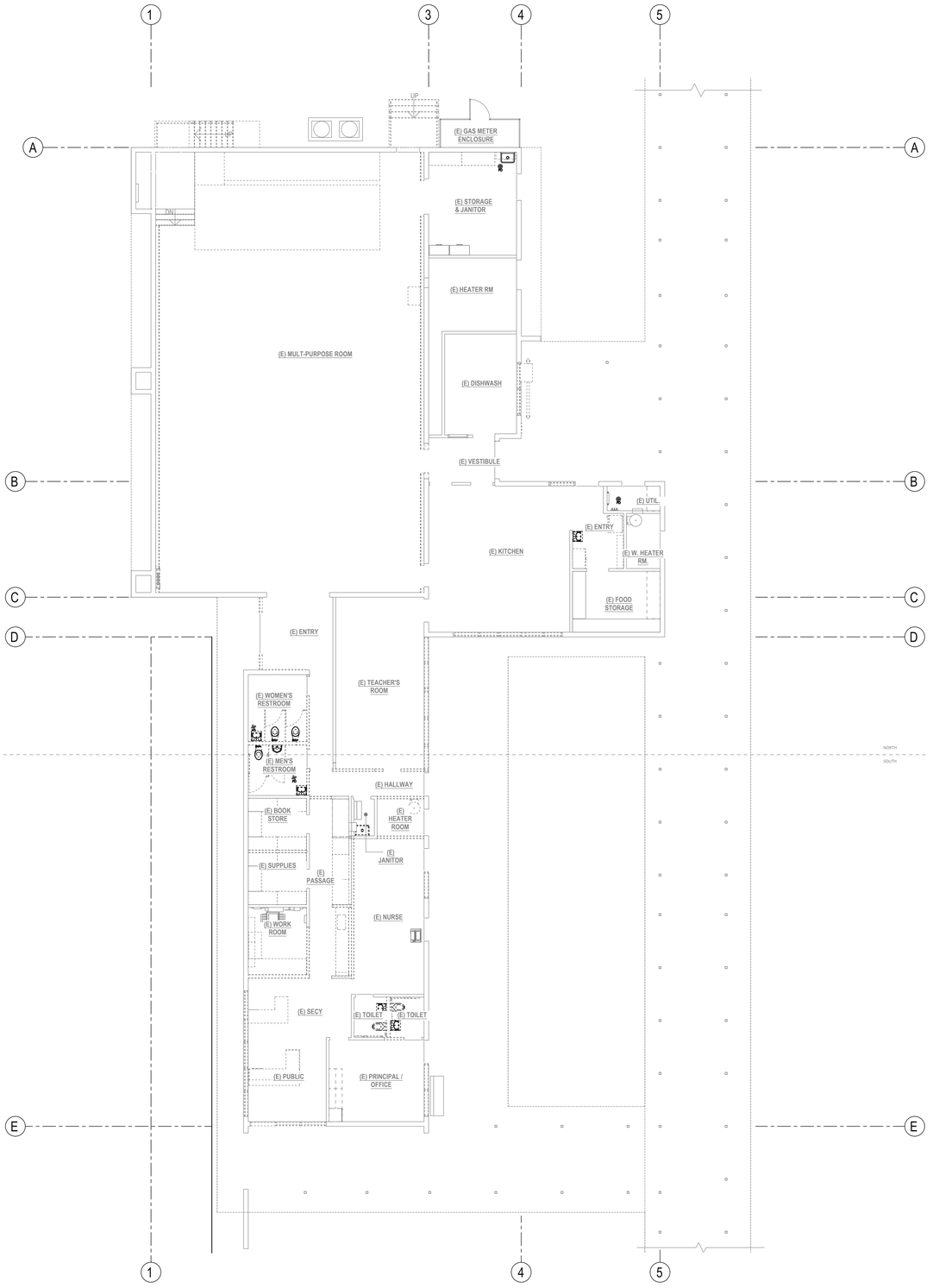

NORTH

PLUMBING DEMOLITION FLOOR PLAN - OVERALL

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DEMOLITION NOTES:

1. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS INDICATED TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH OWNER PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY OWNER SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR FOR OWNER'S USE. ALL ITEMS REFUSED BY OWNER SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
2. REMOVE EXISTING FIXTURES AND EQUIPMENT AS INDICATED. HOT WATER, COLD WATER, VENT AND/OR GAS PIPING SERVING SUCH ITEMS SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION WITHIN WALL OR ABOVE CEILING AND CAPPED OR PLUGGED UNLESS OTHERWISE NOTED (U.O.N.). WASTE PIPING SERVING SUCH FIXTURES SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION BELOW FINISHED FLOOR OR BEHIND WALL AND CAPPED OR PLUGGED U.O.N. ASSOCIATED EXISTING DEFUNCT PIPING IN CONCEALED LOCATIONS ABOVE CEILING, WITHIN WALLS, BELOW SLAB, OR BELOW GRADE SHALL BE ABANDONED IN PLACE OR REMOVED AS NECESSARY TO AVOID INTERFERENCE WITH NEW WORK. ASSOCIATED EXISTING DEFUNCT PIPING AND COMPONENTS IN EXPOSED LOCATIONS SHALL BE REMOVED U.O.N. (INCLUDING FLOOR DRAINS, WALL AND FLOOR CLEANOUTS, CLEANOUTS TO GRADE, ACCESS PANELS, SHUT-OFF VALVES AND COCKS, YARD BOXES, MANHOLES, CATCH BASINS, AND OTHER EXPOSED COMPONENTS). EXISTING DEFUNCT ELECTRICAL COMPONENTS SERVING EXISTING TO BE REMOVED EQUIPMENT SHALL BE DEMOLISHED AND REMOVED TO POINT OF ORIGIN.

DEMOLITION KEY NOTES:

1. EXISTING SERVICE SINK TO BE REMOVED BY PLUMBING CONTRACTOR.
2. EXISTING FLOOR DRAIN TO REMAIN.
3. EXISTING HOSE BIBB TO REMAIN.
4. EXISTING WATER HEATER TO REMAIN.
5. EXISTING CIRCULATION PUMP TO REMAIN.
6. EXISTING WATER CLOSET TO BE REMOVED BY PLUMBING CONTRACTOR.
7. EXISTING LAVATORY TO BE REMOVED BY PLUMBING CONTRACTOR.
8. EXISTING SINK TO BE REMOVED BY PLUMBING CONTRACTOR.
9. EXISTING FLOOR DRAIN TO BE REMOVED BY PLUMBING CONTRACTOR.
10. EXISTING WATER HAMMER ARRESTOR TO BE REMOVED BY PLUMBING CONTRACTOR.
11. EXISTING TRAP PRIMER TO BE REMOVED BY PLUMBING CONTRACTOR.
12. EXISTING ICE MAKER BOX TO BE REMOVED BY PLUMBING CONTRACTOR.

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PLUMBING DEMOLITION FLOOR PLAN - NORTH

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

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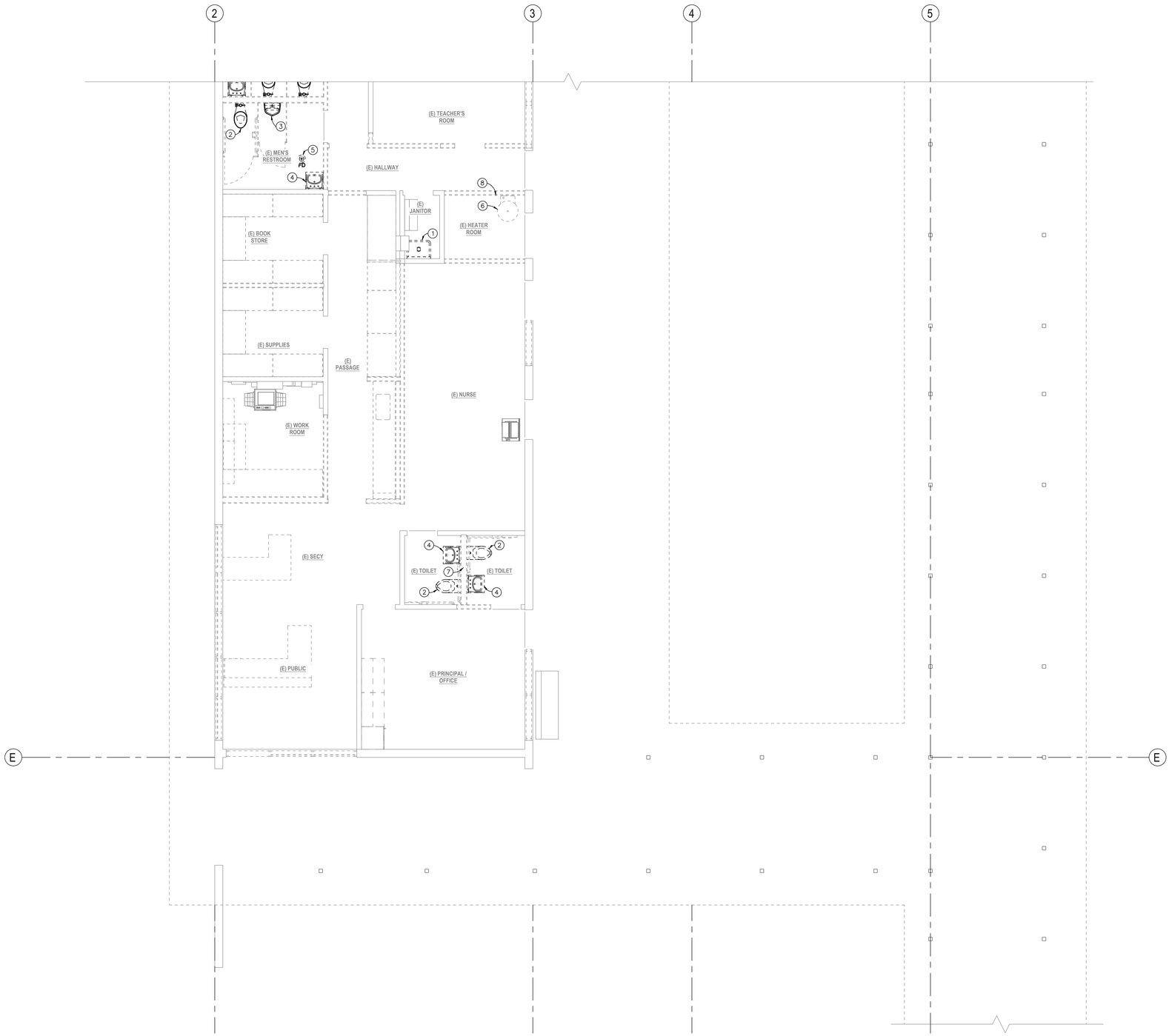

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2. REMOVE EXISTING FIXTURES AND EQUIPMENT AS INDICATED. HOT WATER, COLD WATER, VENT AND/OR GAS PIPING SERVING SUCH ITEMS SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION WITHIN WALL OR ABOVE CEILING AND CAPPED OR PLUGGED UNLESS OTHERWISE NOTED (U.O.N.). WASTE PIPING SERVING SUCH FIXTURES SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION BELOW FINISHED FLOOR OR BEHIND WALL AND CAPPED OR PLUGGED U.O.N. ASSOCIATED EXISTING DEFUNCT PIPING IN CONCEALED LOCATIONS ABOVE CEILING, WITHIN WALLS, BELOW SLAB, OR BELOW GRADE SHALL BE ABANDONED IN PLACE OR REMOVED AS NECESSARY TO AVOID INTERFERENCE WITH NEW WORK. ASSOCIATED EXISTING DEFUNCT PIPING AND COMPONENTS IN EXPOSED LOCATIONS SHALL BE REMOVED U.O.N. (INCLUDING FLOOR DRAINS, WALL AND FLOOR CLEANOUTS, CLEANOUTS TO GRADE, ACCESS PANELS, SHUT-OFF VALVES AND COCKS, YARD BOXES, MANHOLES, CATCH BASINS, AND OTHER EXPOSED COMPONENTS). EXISTING DEFUNCT ELECTRICAL COMPONENTS SERVING EXISTING TO BE REMOVED EQUIPMENT SHALL BE DEMOLISHED AND REMOVED TO POINT OF ORIGIN.

DEMOLITION KEY NOTES:

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3. EXISTING URINAL TO BE REMOVED BY PLUMBING CONTRACTOR.
4. EXISTING LAVATORY TO BE REMOVED BY PLUMBING CONTRACTOR.
5. EXISTING FLOOR DRAIN TO BE REMOVED BY PLUMBING CONTRACTOR.
6. EXISTING WATER HEATER TO BE REMOVED BY PLUMBING CONTRACTOR.
7. EXISTING WATER HAMMER ARRESTOR TO BE REMOVED BY PLUMBING CONTRACTOR.
8. EXISTING CIRCULATION PUMP TO BE REMOVED BY PLUMBING CONTRACTOR.

NORTH

PLUMBING DEMOLITION FLOOR PLAN - SOUTH

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

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PLUM DEMO FLR PLAN - SOUTH

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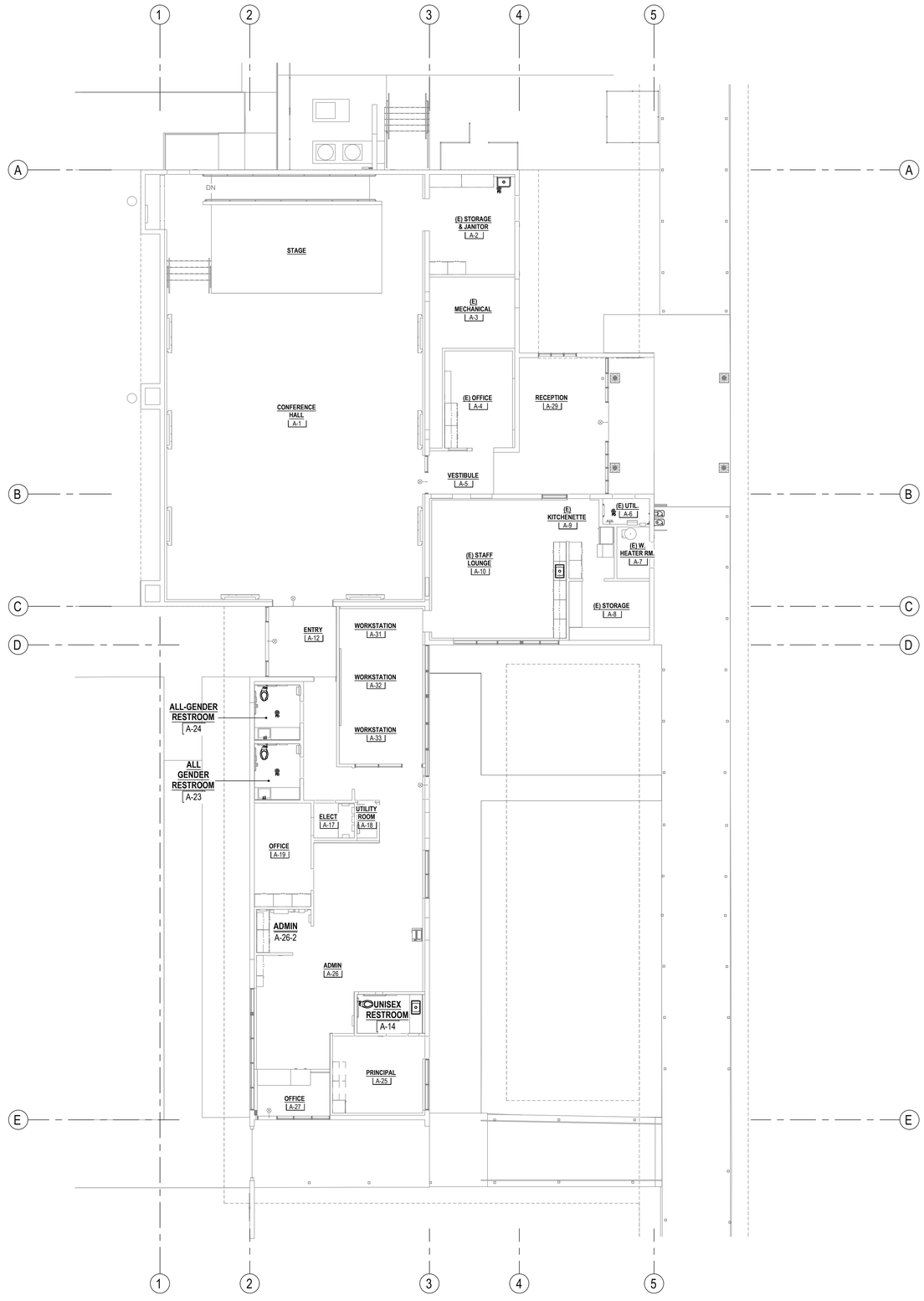

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SCALE 1/8"=1'-0"

1

PLUMBING FLOOR PLAN - OVERALL

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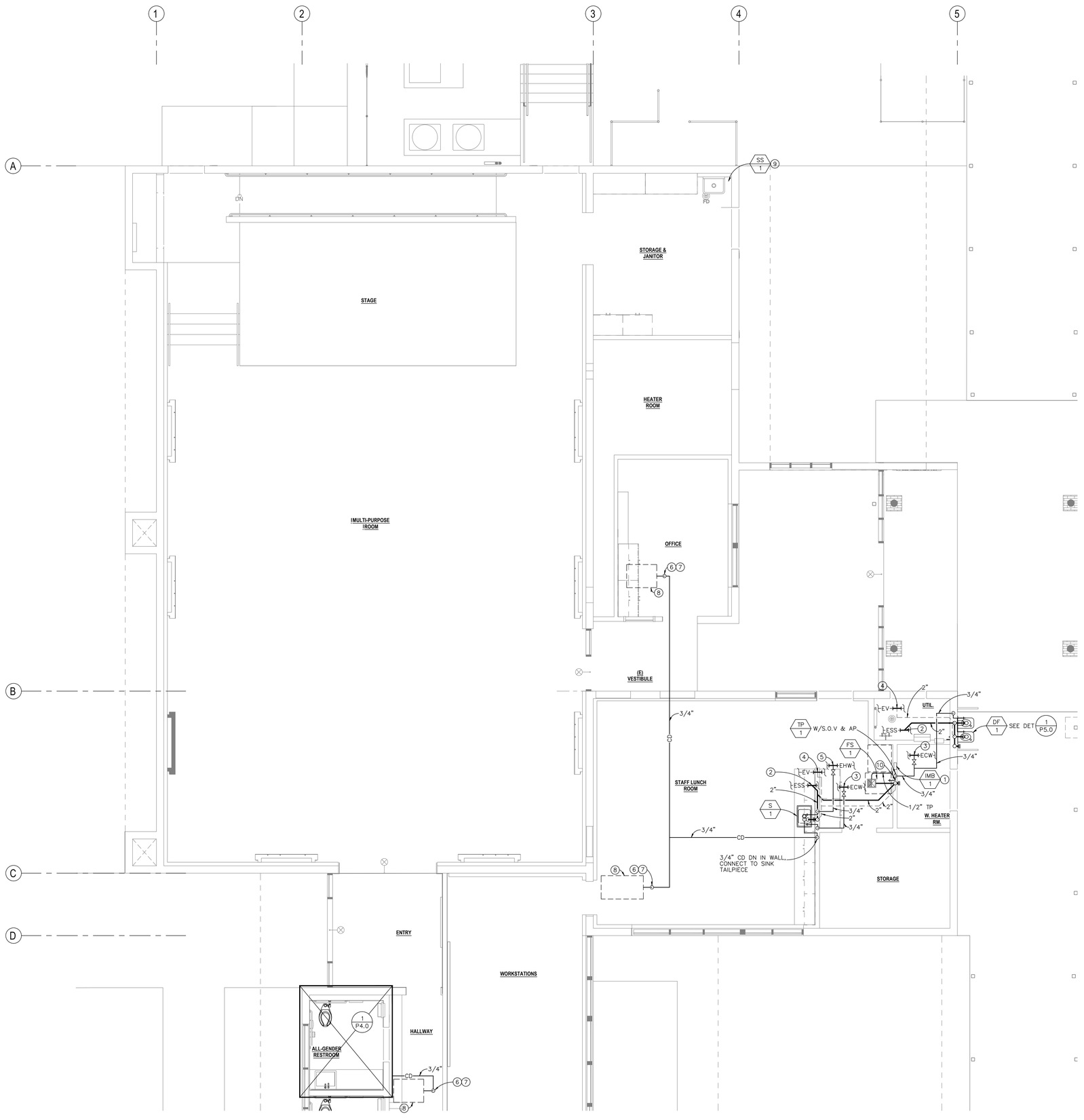

CONSTRUCTION NOTES:

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING BY PHYSICAL EXCAVATION, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.
3. WHERE PLANS INDICATE NEW FIXTURES OR EQUIPMENT CONNECTING TO EXISTING SERVICES, PLUMBING CONTRACTOR SHALL MODIFY AND/OR EXTEND EXISTING PIPING OR ROUGH-INS AS REQUIRED TO SUIT THE NEW FIXTURE.

CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW ICE MAKER BOX.
2. P.O.C. NEW 2" WASTE LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
3. P.O.C. NEW 3/4" COLD WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD WATER LINE ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
4. P.O.C. NEW 2" VENT LINE TO EXISTING VENT ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
5. P.O.C. NEW 3/4" HOT WATER LINE WITH SHUT-OFF VALVE TO EXISTING HOT WATER LINE ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
6. P.O.C. 3/4" CONDENSATE TO CONDENSATE PUMP ABOVE CEILING.
7. CONDENSATE PUMP PROVIDED BY MECHANICAL CONTRACTOR.
8. FAN COIL ABOVE CEILING, SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
9. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW SERVICE SINK.
10. 3/4" COLD WATER WITH SHUT OFF VALVE FOR ICE MACHINE.

NORTH

PLUMBING FLOOR PLAN - NORTH

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

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PLUMBING
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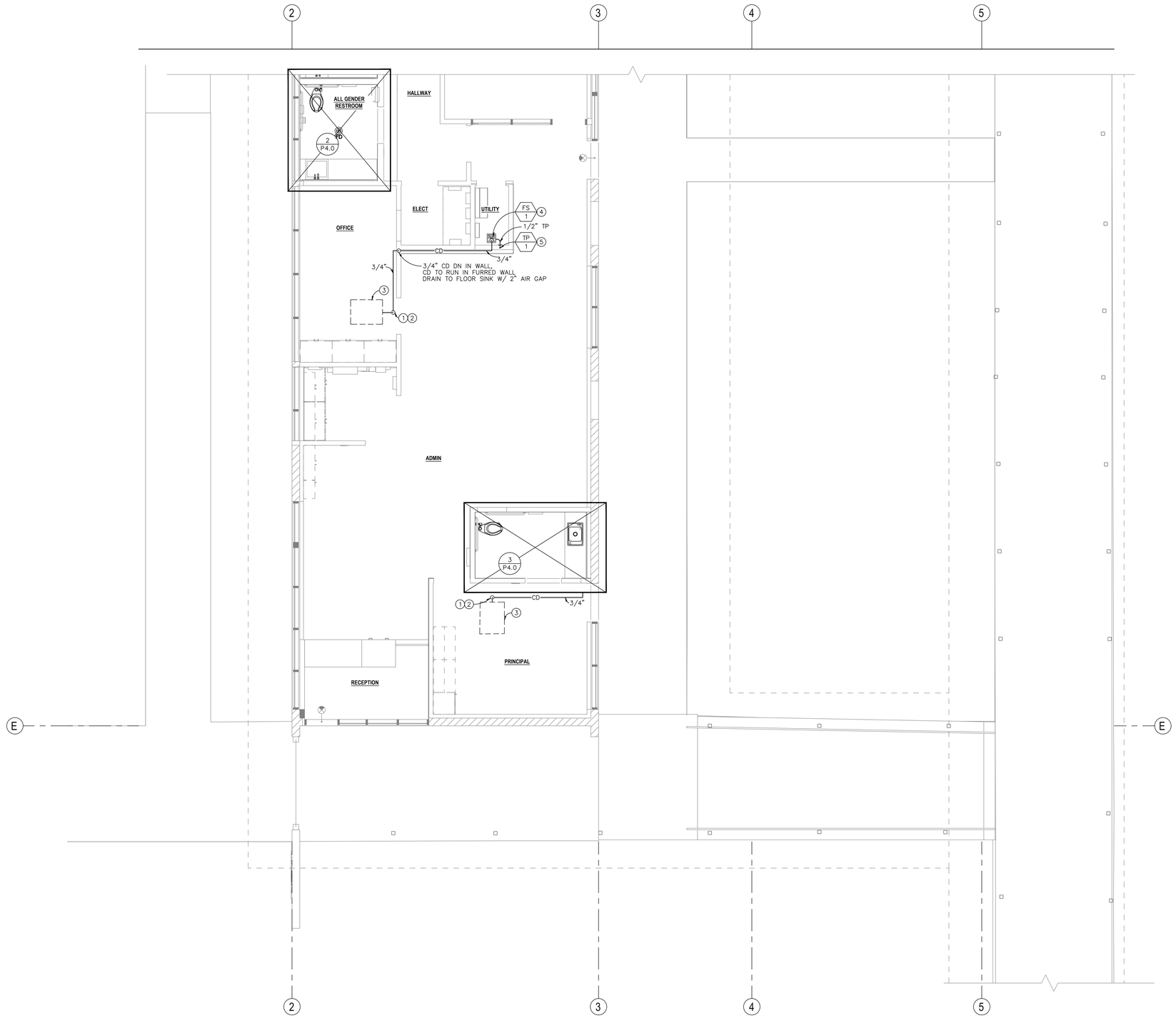

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2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.
3. WHERE PLANS INDICATE NEW FIXTURES OR EQUIPMENT CONNECTING TO EXISTING SERVICES, PLUMBING CONTRACTOR SHALL MODIFY AND/OR EXTEND EXISTING PIPING OR ROUGH-INS AS REQUIRED TO SUIT THE NEW FIXTURE.

CONSTRUCTION KEY NOTES:

1. P.O.C. 3/4" CONDENSATE TO CONDENSATE PUMP ABOVE CEILING.
2. CONDENSATE PUMP PROVIDED BY MECHANICAL CONTRACTOR.
3. FAN COIL ON WALL, SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
4. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW FLOOR SINK.
5. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW TRAP PRIMER WITH SHUT-OFF VALVE & ACCESS PANEL.

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PLUMBING FLOOR PLAN - SOUTH

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date: 02/28/2025 11/27/2024 9:01:27 AM

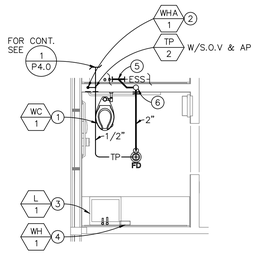
rev:	date:	description:

drawing title:

PLUMBING
FLR PLAN - SOUTH

drawing no.:

P2.2

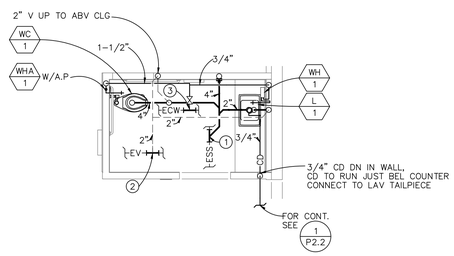


CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW WATER CLOSET.
2. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW WATER HAMMER ARRESTOR WITH SHUT-OFF VALVE & ACCESS PANEL.
3. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW LAVATORY.
4. CONTRACTOR SHALL ROUGH-IN AND CONNECT EXISTING SERVICES FOR NEW WATER HEATER.
5. P.O.C. NEW 2" WASTE LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
6. P.O.C. NEW 2" VENT LINE TO EXISTING VENT LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.

PLUMBING ENLARGED PLAN

SCALE 1/4"=1'-0" | 2

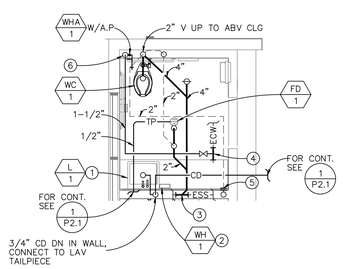


CONSTRUCTION KEY NOTES:

1. P.O.C. NEW 4" SEWER LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
2. P.O.C. NEW 2" VENT LINE TO EXISTING VENT ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
3. P.O.C. NEW 1-1/2" COLD WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD WATER LINE ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.

PLUMBING ENLARGED PLAN

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



CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW LAVATORY.
2. CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW WATER HEATER
3. P.O.C. NEW 4" SEWER LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
4. P.O.C. NEW 1-1/2" COLD WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD WATER LINE ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
5. P.O.C. NEW 2" VENT LINE TO EXISTING VENT LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
6. 1-1/2" CW DN IN WALL W/S.O.V. & A.P

PLUMBING ENLARGED PLAN

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

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

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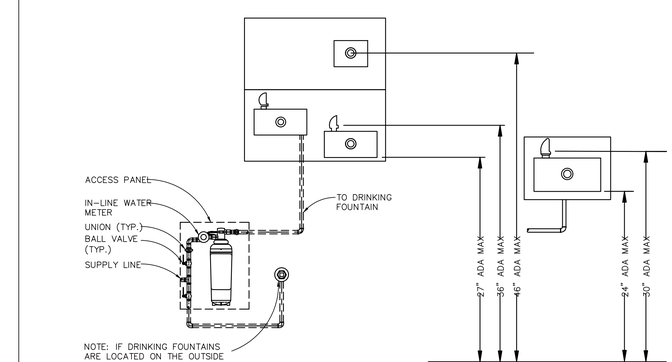

NOTE: IF DRINKING FOUNTAINS ARE LOCATED ON THE OUTSIDE OF THE BUILDING, A HOSE BIBB (HB-1) SHALL BE INSTALLED UNDERNEATH THE STANDING PERSON DRINKING FOUNTAIN. HOSE BIBB SHALL NOT BE INSTALLED WITHIN THE REQUIRED KNEE/TOE CLEARANCE OF THE ACCESSIBLE DRINKING FOUNTAIN.

DRINKING FOUNTAIN DETAIL

SCALE NONE | 1

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PLUMBING DETAILS

drawing no.:

P5.0

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION.
2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER THESE NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS.
3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT (ARCH) OR STRUCTURAL ENGINEER OF RECORD (SEOR). ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO CENTERLINE OF COLUMNS UNO.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE SEOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS; OR EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM THOSE SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
5. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE CONSTRUCTION AND ALL ADJACENT PROPERTIES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR SEOR SHALL NOT INCLUDE OBSERVATION OF THE ABOVE ITEMS.
6. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DRAWINGS MAY BE CONSIDERED WITH MATERIALS HAVING EQUIVALENT OR GREATER CAPACITY AND PERFORMANCE. CURRENT EVALUATION REPORTS AND PRODUCT INFORMATION SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER DEMONSTRATING THE REQUIRED CAPACITY AND PERFORMANCE OF THE MATERIAL TO BE SUBSTITUTED. WRITTEN APPROVAL FROM THE SEOR SHALL BE OBTAINED PRIOR TO THE SUBSTITUTION OF ANY MATERIAL SPECIFIED ON THE STRUCTURAL DOCUMENTS.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE ARCHITECT, SEOR, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
8. ALL WORK IS NEW (N) UNLESS INDICATED AS EXISTING (E).
9. CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.

STRUCTURAL DESIGN CRITERIA:

1. CODES:
   ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2022 EDITION, INCLUDING ALL AMENDMENTS. ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.
2. DESIGN LIVE LOAD
   - ROOF 20 PSF
3. WIND DESIGN INFORMATION
   - RISK CATEGORY = III, Iw = 1.0
   - BASIC WIND SPEED, V = 101 MPH
   - EXPOSURE = C
   - Kz = 0.85, Kd = 0.85, Kzt = 1.0
4. SEISMIC DESIGN INFORMATION (ASCE 7)
   - RISK CATEGORY = III, Ie = 1.25
   - SITE CLASS = D
   - $S_S = 1.838$, $S_1 = 0.651$, $S_{DS} = 1.471$, $S_{D1} = 0.738$
   - SEISMIC DESIGN CRITERIA = D
   - ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE OR LINEAR DYNAMIC PROCEDURE
   - SLRS = C2: STEEL ORINARY CANTILEVERED FRAMES
     $R = 1.25$, $C_d = 1.25$, $\Omega_o = 1.25$

EXISTING CONDITIONS NOTES:

1. FIELD VERIFY ALL CONDITIONS & DIMENSIONS PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION OF STRUCTURAL ELEMENTS.
2. WHERE ALL OTHER EXISTING CONDITIONS VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUED CONSTRUCTION RELATED TO SUBJECT CONDITIONS.
3. SHORE ALL EXISTING CONSTRUCTION AS REQUIRED.
4. ALL EXISTING (E) CONNECTIONS AT ELEMENTS TO BE REPLACED SHALL BE REPLACED OR RE-ATTACHED TO MATCH EXISTING CONDITIONS.
5. VERIFY LOCATION OF EXISTING (E) REBAR BEFORE FABRICATION USING NON-DESTRUCTIVE TESTING.
6. SPECIAL INSPECTION IS REQUIRED FOR ALL WORK.
7. SEE "AS BUILT" DRAWINGS FOR EXISTING BUILDING DESIGN FOR ITEMS NOT SHOWN OR NOTED.
8. ALL EXISTING (E) WOOD ELEMENTS TO REMAIN SHALL BE FIELD INSPECTED DURING CONSTRUCTION AND TREATED FOR DRYROT REMOVAL / CONTROL. WHERE EXISTING GLB'S TO REMAIN ARE FOUND TO HAVE EXTENSIVE DRYROT DEEPER THAN THE TOP TWO LAMINATIONS (3"), THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUED CONSTRUCTION RELATED TO SUBJECT GLB'S.
9. CORE DRILLS REQUIRED SHALL NOT CUT ANY REINFORCING. THE CONTRACTOR IS TO COORDINATE WORK OF ALL TRADES TO ENSURE COMPLIANCE. ALL CORE DRILLS ARE TO BE PRESENTED TO THE IOR FOR VERIFICATION. THE IOR IS TO DOCUMENT CORES EXAMINED INDICATING AN ABSENCE OF REINFORCING.

EXISTING UNDERGROUND UTILITY NOTES:

1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

FOUNDATION NOTES (NO SOILS REPORT):

1. NO SOILS REPORT AVAILABLE; THEREFORE, MINIMUM PRESUMPTIVE LOAD-BEARING VALUES FOR CLASS OF MATERIALS 5 (CLAY, SANY CLAY, SILTY CLAY, CLAYEY SILT, SILT AND SANDY SILT) ARE USED PER *2022 CBC*.
2. ALLOWABLE VERTICAL BEARING PRESSURE = 1500 PSF
   ALLOWABLE LATERAL BEARING PRESSURE = 100 PSF PER FT OF DEPTH
3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE *2022 CBC*.
4. WHERE THE BUILDING OFFICIAL HAS REASON TO DOUBT THE CLASSIFICATION, STRENGTH OR COMPRESSIBILITY OF THE SOIL OR WHERE A LOAD-BEARING VALUE SUPERIOR TO THAT SPECIFIED IN THIS CODE IS CLAIMED, THE BULIDNG OFFICIAL SHALL BE PERMITTED TO REQUIRE THAT A GEOTECHNICAL INVESTIGATION BE CONDUCTED.
5. PRESUMPTIVE LOAD-BEARING VALUES SHALL APPLY TO MATERIALS WITH SIMILAR PHYSICAL CHARACTERISTICS AND DISPOSITIONS.
   MUD, ORGANIC SILT, ORGANIC CLAYS, PEAT OR UNPREPARED FILL SHALL NOT BE ASSUMED TO HAVE A PRESUMPTIVE LOAD-BEARING CAPACITY UNLESS DATA TO SUBSTANIATE THE USE OF SUCH A VALUE ARE SUBMITTED.

   - EXCEPTION: A PRESUMPTIVE LOAD-BEARING CAPACITY SHALL BE PERMITTED TO BE USED WHERE THE BUILDING OFFICIAL DEEMS THE LOAD-BEARING CAPACITY OF MUD, ORGANIC SILT OR UNPREPARED FILL IS ADEQUATE FOR THE SUPPORT OF LIGHTWEIGHT OR TEMPORARY STRUCTURES.
6. THE BOTTOM OF FOUNDATION SHALL BE CLEARED AND COMPACTED TO 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557.
7. SPREAD FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS, UNO.
8. FOOTING ELEVATIONS ARE NOTED ON THE PLANS AND DETAILS AND SHALL BE USED FOR BIDDING. IN ANY CASE, FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL OR ENGINEERED FILL, IN ACCORDANCE WITH THE *2022 CBC* AND DETAILS SHOWN.
9. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
10. ALL EXCAVATION SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.
11. PRIOR TO REINFORCEMET FOR FOUNDATIONS BEING PLACED, THE CONTRACTOR SHALL SUBMIT A REPORT INDICATES THE ITEMS 5, 6, 7, 8, 9 AND 10 ARE VERIFIED.

    THE REPORT SHALL ALSO STATE THAT:
    A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
    B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
    C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE APPROVED CONSTRUCTION DOCUMENTS.

SHORING AND EXCAVATIONS NOTES:

1. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING FRAMING WHERE SUPPORT ELEMENTS (BEAMS, COLUMNS, AND BEARING WALLS) ARE TO BE REMOVED.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA CONSTRUCTION SAFETY ORDERS (CAL-OSHA).
3. TEMPORARY CUTS SHALL NOT EXCEED SLOPES RECOMMENDED IN THE SOIL REPORT, NOR THOSE SHOWN ON THE SHORING DRAWINGS FOR CONSTRUCTION OF FOUNDATIONS.
4. THE INSTALLATION OF SHORING AND EXCAVATIONS SHALL BE PERFORMED UNDER THE CONTINUOUS INSPECTION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
5. THE DESIGN OF THE SHORING SYSTEM SHALL BE BASED UPON RECOMMENDATIONS CONTAINED IN THE SOIL REPORT. THE SHORING CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL DATA THEREIN AND SHALL KEEP A COPY OF THE REPORT AT THE JOB SITE AT ALL TIMES.
6. THE STRUCTURAL ENGINEER RESPONSIBLE FOR THE SHORING DESIGN (HEREAFTER CALLED THE SHORING ENGINEER) SHALL MAKE PERIODIC VISITS TO THE JOB SITE FOR THE PURPOSE OF OBSERVING THE INSTALLATION OF THE SHORING SYSTEM. OBSERVATIONS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE FOLLOWING:

   A. PRIOR TO THE START OF INSTALLATION, MEET WITH THE GEOTECHNICAL ENGINEER AND SHORING CONTRACTOR TO REVIEW ALL ASPECTS OF THE DESIGN AND INSTALLATION OF THE SHORING.
   B. REVIEW OF CONDITIONS AT COMPLETION OF EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE SHORING ENGINEER AT LEAST 48 HOURS PRIOR TO EACH OF THE ABOVE REQUIRED OBSERVATIONS.
7. CONTROL POINTS SHALL BE ESTABLISHED BY A LICENSED SURVEYOR TO MONITOR ANY HORIZONTAL AND VERTICAL MOVEMENTS OF THE SHORING. INITIAL READINGS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, AND WEEKLY DATA SHALL BE SUBMITTED AS EXCAVATION PROGRESSES AND THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL READINGS SHALL BE OBTAINED WHEN REQUESTED BY THE BUILDING OFFICIAL, SHORING ENGINEER OR GEOTECHNICAL ENGINEER. IF ANY HORIZONTAL OR VERTICAL MOVEMENT OCCURS, THE GEOTECHNICAL ENGINEER, THE SHORING ENGINEER AND THE STRUCTURAL ENGINEER SHALL EVALUATE SUCH MOVEMENT AND RECOMMEND CORRECTIVE MEASURES, IF NECESSARY BEFORE EXCAVATION IS CONTINUED.

METAL DECK NOTES (FILLED & UNFILLED):

1. MATERIAL FOR METAL DECK SHALL HAVE A MIN YIELD STRENGTH OF 50 KSI AND CONFORM TO ASTM A653-SS GRADE 33 WITH GALVANIZED G60 COATING COMPLYING WITH ASTM A525.
2. SEE TYPICAL DETAILS FOR REINFORCING OF DECK AROUND OPENINGS. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF OPENINGS WITH THE VARIOUS TRADES. NO LOADS SHALL BE HUNG FROM DECK WITHOUT APPROVAL OF SEOR.
3. FLOOR AND ROOF DECK IS DESIGNED FOR UNSHORED CONSTRUCTION, UNO. MAINTAIN 3 SPAN CONDITION WHEREVER POSSIBLE (2 SPAN MIN) EXCEPT AT STAIR LANDING AND WHERE NOTED OTHERWISE ON PLANS.
4. PROVIDE 2" MINIMUM BEARING AT ALL SUPPORTS. END LAPS OF METAL DECK SHALL BE A MINIMUM OF 2" AND SHALL OCCUR ONLY OVER SUPPORTS. DECK SHALL BE LAID OUT SO THAT A LOW FLUTE FALLS ON EACH PARALLEL SUPPORT.
5. INSTALL DECK BY WELDING. USE 3/4" DIAMETER PUDDLE WELDS OR WELDED STUDS TO SUPPORTS SPACED AS SHOWN ON CONSTRUCTION DRAWINGS. SPACING FOR TOP SEAM, SIDE SEAM, BUTTON PUNCH, OR PUNCHLOK CONNECTION SHALL BE IN ACCORDANCE WITH DRAWINGS. SEE TYPICAL METAL DECK DETAILS.
6. SUBMIT SHOP DRAWINGS FOR METAL DECK TO THE SEOR FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW TYPE OF DECK, LAYOUT OF DECK, THE SIZE AND LOCATION OF ANY OPENINGS OF WIDTH GREATER THAN 1'-0", AND ATTACHMENT METHOD.
7. ALTERNATES TO TYPE OF DECK AND FASTENING MAY BE USED WITH THE APPROVAL OF THE SEOR. DECK PROPERTIES SHALL BE EQUAL TO OR GREATER THAN THOSE SHOWN ON THE PLANS. ANY DECK OR METHOD OF FASTENING SHALL HAVE LATEST EVALUATION REPORT PER CURRENT CODE APPROVING THE DECK FOR THE APPLICATION.
8. METAL DECK WITH CONCRETE FILL SHALL HAVE POSITIVE VENTING. DO NOT EMBED PIPES, SLEEVES, CONDUIT, ETC IN CONCRETE TOPPING UNO.
9. CONCRETE FILL OVER METAL DECK SHALL NOT BE OVER-POURED TO ACHIEVE LEVEL FLOOR.

REINFORCING STEEL NOTES:

1. REINFORCING GRADES FOR CONCRETE OR MASONRY:

ALL BARS EXCEPT THOSE TO BE WELDED	ASTM A615, GRADE 60
TIES AND STIRRUPS	ASTM A615, GRADE 60
WELDED WIRE FABRIC	ASTM A1064
ALL BARS TO BE WELDED	ASTM A706, GRADE 60
ALL BARS IN THE CONCRETE SHEARWALL INDICATED ON WALL ELEVATION INCLUDING SUPPORTING WALL FOOTING LONGITUDINAL BARS (WF), AND ALL GRADE BEAMS (GB)	A706, GRADE 60

2. MAINTAIN MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (U.N.O.):
   (SEE PLAN/ SECTION FOR CONCRETE W/ FIRE RATING.)

CONDITION		COVER
CONCRETE POURED AGAINST EARTH		3"
CONCRETE POURED IN FORMS AND EXPOSED TO WEATHER OR EARTH		
	-#6 BARS AND LARGER	2"
	-#5 BARS AND SMALLER	1 1/2"
INTERIOR COLUMNS AND BEAMS		1 1/2"
INTERIOR WALL FACES AND RAISED SLABS		1"
STRUCTURAL SLABS ON GRADE		
	-FROM BOTTOM OF SLAB	2"
	-FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH FOR #11 BARS AND SMALLER		1"

   PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.
3. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24" O.C. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS.
4. SPLICES IN CONTINUOUS REINFORCEMENT AS USED IN WALLS, FOOTINGS, SLABS, ETC., SHALL HAVE A CLASS "B" LAP (1' - 6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5' - 0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.
5. ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE.
6. BEND REINFORCING BARS COLD.
7. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
8. DOWELS BETWEEN FOOTING AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE MAIN REINFORCING U.N.O.
9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN PLACE INSPECTION IS MADE.
10. CHAIRS OR SPACERS FOR REINFORCING SHALL BE NON-FERROUS OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.

WELDING NOTES:

1. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY (AWS), D1.1, D1.8 AND THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE PERFORMING.
3. PROJECT WELDING SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE SEOR AND PROJECT WELDING INSPECTOR. THE WPS SHALL BE IN ACCORDANCE WITH AWS D1.1-D1.4 & D1.8 CURRENT EDITION.
4. ALL WELDS WITHIN MEMBERS DESIGNATED AS PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS) SHALL CONFORM TO THE DETAILING, MATERIALS, WORKMANSHIP, TESTING, AND INSPECTION REQUIREMENTS PER AWS D1.8 AND MUST HAVE A MIN. CVN TOUGHNESS OF 20 FT-LB @ 0°F PER AISC 341 A3.4B.
5. WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LB AT 0°F AND 40 FT-LB AT 70°F. SEE AISC 341-16 SECTION A3.4B FOR ADDITIONAL REQUIREMENTS.
6. WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED PER AWS D1.1 & D1.8 USING E70XX ELECTRODES UNLESS OTHERWISED NOTED.
7. WELDING OF REINFORCING BARS SHALL BE PERFORMED PER AWS D1.4 USING E80XX ELECTRODES.
8. WELDING OF METAL DECK AND LIGHT GAGE STEEL SHALL BE IN ACCORDANCE WITH AWS D1.3.
9. ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS. ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.
10. ALL EXPOSED WELDS ON ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.
11. FIELD WELDS HAVE BEEN INDICATED WHERE THEY ARE EXPECTED TO OCCUR. THE CONTRACTOR SHALL DETERMINE THE ACTUAL FIELD WELDING NECESSARY TO COMPLETE THE PROJECT AND INCLUDE ALL ASSOCIATED COSTS WITHIN THE BASE BID.
12. ALL WELDS (SHOP AND FIELD) REQUIRE SPECIAL INSPECTION.
13. ALL FULL PENETRATION WELDS SHALL BE ULTRA-SONIC TESTED PER AWS D1.1 & AISC 341 J6.2.

STRUCTURAL CONCRETE NOTES:

1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318, 2022 EDITION, AND PROJECT SPECIFICATIONS.
2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
3. CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX. SLUSH WITH A COAT OF NEAT CEMENT BEFORE PLACING CONCRETE. SEE PLANS AND DETAILS FOR LOCATION AND TYPE OF CONSTRUCTION JOINT. LOCATIONS OF ADDITIONAL CONSTRUCTION JOINTS NOT SHOWN ON THESE PLANS SHALL BE SUBMITTED FOR APPROVAL BY THE EOR PRIOR TO PLACING ANY CONCRETE.
4. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:

LOCATION	MIN 28-DAY COMP STRENGTH	CONC TYPE[a]	MAX AGGR. SIZE	MAX W/C RATIO	MAX SLUMP[b]	CEMENT TYPE
FOUNDATIONS STEM WALLS, PILASTER	4000 PSI	NWC	1 1/2"	0.45	4"	II / V
SLAB ON GRADE	4000 PSI	NWC	1"	0.45	4"	II / V

   a. MAXIMUM DRY WEIGHT OF LIGHTWEIGHT CONCRETE SHALL BE 110 PCF .
   b. SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS.
5. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE, AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LAB STAMPED AND SEALED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES SHALL CONSIST OF 5 SACK MINIMUM U.N.O.
6. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK). AGGREGATES IN LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.
7. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE SEOR.
8. PORTLAND CEMENT SHALL BE AS NOTED ABOVE FOR ALL CONCRETE CONFORMING TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES OF COMPLIANCE SHALL BE SUBMITTED.
9. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 15% TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED PER ACI 318, SECTION 26.4.3.
10. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.
11. LEAN CONCRETE, WHERE SPECIFICALLY INDICATED, SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
12. DRYPACK OR NONSHRINK GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2 TIMES THE SUPPORTING CONCRETE STRENGTH, AND SHALL BE OF FIVE STAR GROUT, SIKA GROUT 212, OR APPROVED EQUAL WITH VALID CODE REPORT (LARR,ICC,ESR,IAPMO ER). FOR THICK GROUT LAYERS FOLLOW MANUFACTURER'S GUIDELINES TO ATTAIN THE REQUIRED STRENGTH, WHICH MAY INCLUDE THE ADDITION OF PEA GRAVEL.
13. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.
14. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION, CONCRETE MUST REACH AN UNCONFINED COMPRESSION STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST BE ALLOWED TO CURE FOR A MINIMUM OF 3 DAYS.
15. FOR INTERIOR SLABS-ON-GRADE AND ALL OTHER SLABS RECEIVING ADHERED FLOORING FINISHES (I.E., GLUED, ETC.), THE MAXIMUM W/C RATIO SHALL NOT EXCEED 0.45. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECIEVE FINISHES SHALL BE COMPATIBLE WITH TILE AND ADHESIVES OR GROUTS IN ACCORDANCE WITH MANUFACTURER'S DATA AND BE APPROVED BEFORE USE.
16. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY SEOR.
17. SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, WALL OFFSETS, CHAMFERS, KERFS, DRIPS AND FOR EXTENT OF DEPRESSIONS, RAMPS, ETC. PROVIDE SLEEVES FOR ALL PIPES THROUGH CONCRETE WALLS AND FOOTINGS WHERE SHOWN ON THESE DRAWINGS. CORING IS NOT PERMITTED WITHOUT PRIOR APPROVAL BY THE SEOR.
18. SEE ARCHITECT'S PLANS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL PLANS.
19. EXPOSED CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4" CHAMFER, U.N.O.
20. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR WHERE LOCATED ON PLANS AND DETAILS. CJ'S SHALL HAVE FORMED POUR STOPS. CONSTRUCTION JOINTS IN WALLS AND FOOTINGS NEED NOT OCCUR AT THE SAME LOCATION, U.N.O.

TYPICAL ABBREVIATIONS

A.B.	ANCHOR BOLT	KLF	KIPS PER LINEAR FOOT
ABV	ABOVE	KSL	KIPS PER SQUARE FOOT
ADDT'L	ADDITIONAL	KSI	KIPS PER SQUARE INCH
ADJ	ADJACENT	L	ANGLE
A.F.F.	ABOVE FINISH FLOOR	LBS	POUND
ALT	ALTERNATE	LFRS	LATERAL FORCE
ARCH	ARCHITECT(URAL)		RESISTING SYSTEM
A.T.R.	ALL THREADED ROD	LLBB	LONG LEG BACK TO BACK
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLK'G	BLOCKING	LLV	LONG LEG VERTICAL
BLW	BELOW	LONG.	LONGITUDINAL
BM	BEAM	LP	LOW POINT
BN	BOUNDARY NAILING	LWC	LIGHTWEIGHT CONCRETE
B.O.	BOTTOM OF	MAX	MAXIMUM
BOT	BOTTOM	M.B.	MACHINE BOLT
BRG	BEARING	MECH	MECHANICAL
B.S.	BOTH SIDES	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
C	CAMBER OR	MTL	METAL
	C-CHANNEL	(N)	NEW
C.I.P.	CAST IN PLACE	NOM.	NOMINAL
CJ	CONTROL/	NS	NEAR SIDE OR NON-SHRINK
	CONSTRUCTION JOINT	NTS	NOT TO SCALE
CL	CENTERLINE	NWC	NORMAL WEIGHT CONCRETE
CLR	CLEAR	OD	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL	COLUMN	O.F.	OUTSIDE FACE
CONC	CONCRETE	OH	OPPOSITE HAND
CONN	CONNECTION	OPM	OSHPD PRE APPROVAL OF
CONT	CONTINUOUS		MANUFACTURER'S
CP	COMPLETE PENETRATION		CERTIFICATION
CSK	COUNTERSINK	OPN'G	OPENING
CTR(D)	CENTER(ED)	PDF	POWDER DRIVEN FASTENER
DB	BAR OR BOLT DIAMETER	PENE	PENETRATION
DBL	DOUBLE	PERF	PERFORATED
DC	DEMAND CRITICAL	PJ	PANEL JOIST
DEMO	DEMOLITION	PL	PLATE
DET	DETAIL	PLC(S)	PLACE(S)
DIA	DIAMETER	PLF	POUND PER LINEAR FOOT
DIAG	DIAGONAL	PLYWD	PLYWOOD
DIM	DIMENSION	PREFAB	PREFABRICATED
DIST	DISTANCE	PSF	POUND PER SQUARE FOOT
DO	DITTO	PSI	POUND PER SQUARE INCH
DWG	DRAWING	PT	PRESSURE TREATED OR
(E)	EXISITNG		POST TENSION
EA	EACH	QTY	QUNATITY
E.F.	EACH FACE	RAD, R	RADIUS
EJ	EXPANSION JOIST	REF	REFERENCE
EMBED	EMBEDMENT	REINF	REINFORCING
ELEC	ELECTRICAL	REQ'D	REQUIRED
ELEV	ELEVATION	RJ	ROOF JOIST
EN	EDGE NAILING	R.O.	ROUGH OPENING
E.O.	EDGE OF	S.A.D.	SEE ARCHITECUTRAL DRAWINGS
EOR	ENGINEER OF RECORD	SB	SILL BOLT
EQ	EQUAL	SC	SAW CUT OR SLIP CRITICAL
EQUIP	EQUIPMENT	SCHED	SCHEDULE
E.S.	EACH SIDE/ EDGE SCREW	SEOR	STRUCTURAL ENGINEER
E.W.	EACH WAY		ON RECORD
EXP	EXPANSION	SF	SPREAD FOOTING
EXT	EXTERIOR	SHT'G	SHEATHING
FIN	FINISH	SIM	SIMILAR
FJ	FLOOR JOIST	SLRS	SEISMIC LOAD
FLR	FLOOR		RESISTING SYSTEM
FN	FIELD NAILING	SMS	SHEET METAL SCREW
FN HT	FINISH HEIGHT	SN	SILL NAIL
FND	FOUNDATION	S.O.G.	SLAB ON GRADE
F.O.	FACE OF	SQ	SQUARE
FS	FAR SIDE OR FIELD SCREW	SS	STAINLESS STEEL
	FINISH SURFACE	STD	STANDARD
FRM'G	FRAMING	STAGG.	STAGGERED
FT	FOOT OR FEET	SITFF	STIFFENER
FTG	FOOTING	STL	STEEL
G	GIRDER	STRUCT	STRUCTURAL
GA	GAUGE	T&B	TOP AND BOTTOM
GALV	GALVANIZED	THK	THICK
GB	GRADE BEAM	T.O.	TOP OF
H.A.B.	HEADED ANCHOR BOLT	T.O.M.	TOP OF MASONRY
HD	HOLDOWN	T.O.S.	TOP OF STEEL
HDR	HEADER	TRANS.	TRANSVERSE
HGR	HANGER	TYP	TYPICAL
HK	HOOK	U.N.O.	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HIGH POINT	W/	WITH
HS	HIGH STRENGTH	W/O	WITHOUT
HSS	HOLLOW STRUCTURAL	WF	WIDE FLANGE/WALL FOOTING
	SECTION	WLD	WELDED
HT	HEIGHT	WO	WHERE OCCURS
IN	INCH	WP	WORK POINT
INT	INTERIOR	W.S.	WELDED STUD
JST	JOIST	WT	WEIGHT
⌖	REFERENCE ELEVATION OR	WWF	WELDED WIRE FABRIC
	WORK POINT	WWM	WELDED WIRE MESH
		⌀	DIAMETER

SHEET LIST

S0.1	GENERAL NOTES
S0.2	GENERAL NOTES
S1.1	TYPICAL DETAILS
S1.2	TYPICAL DETAILS
S1.3	TYPICAL DETAILS
S1.4	TYPICAL DETAILS
S1.5	TYPICAL DETAILS
S2.1	FOUNDATION PLAN-NORTH
S2.2	FOUNDATION PLAN-SOUTH
S3.1	ROOF FRAMING PLAN-NORTH
S3.2	ROOF FRAMING PLAN-CANOPY
S4.1	FOUNDATION DETAILS
S4.2	FOUNDATION DETAILS
S5.1	FRAMING DETAILS

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drawn by: Author checked by: Checker
date: 01/31/2025 3/5/2025 3:14:26 PM

rev:	date:	description:

drawing title:
GENERAL NOTES

drawing no.:
S0.1

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE 15TH EDITION OF "AISC MANUAL OF STEEL CONSTRUCTION".

2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.

3. PROVIDE THE FOLLOWING MATERIALS FOR STRUCTURAL STEEL U.N.O.:

STRUCTURAL STEEL GRADES:		
A.	ALL WIDE FLANGE SECTIONS	ASTM A992
B.	SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (F_Y= 50 KSI)
C.	ROUND HOLLOW STRUCTURAL SECTION (HSS)	ASTM A500,GRADE C (F_Y= 46KSI)
D.	PIPES	ASTM A53 TYPE E OR S, GRADE B (F_Y=35 KSI)
E.	PLATES, ANGLES, CHANNELS & TEES	ASTM A36
F.	ALL PLATES PART OF SLRS	ASTM A572, GRADE 50
G.	MACHINE BOLTS (MB)	ASTM A307
H.	HIGH STRENGTH BOLTS (HSB)	ASTM F3125 GRADE A325 GRADE A490
I.	WELDED HEADED STUDS	ASTM A29
J.	THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 36

4. 1/8" THICK PLATES AND THICKER SHALL BE GAS CUT OR SAW CUT EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH STRENGTH BOLTS. EXCEPT OTHERWISE NOTED, ALL BOLT HOLES SHALL BE STANDARD HOLES.

5. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY SEOR PRIOR TO FABRICATION.

6. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED (IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS) SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.

7. BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.

8. ALL STEEL FABRICATION SHALL BE PERFORMED BY A AISC OR CITY OF LOS ANGELES CERIFIED FABRICATOR.

9. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHER PROOF COATING IS SPECIFIED BY THE ARCHITECT U.N.O. STAINLESS AND WEATHERING STEELS ARE EXCEPTED WHERE SPECIFIED.

10. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS. WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT PRIOR APPROVAL OF SEOR.

11. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.

12. PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASE PLATES AND ALLOW TO CURE BEFORE APPLYING LOADS.

13. ALL OPEN HSS ENDS SHALL BE CAPPED. MIN 1/4" STEEL CAP. PROVIDE SQUARE WELD ALL AROUND, CAP PLATE TO HSS.

14. FOR STRUCTURAL STEEL, IN ADDITION TO THE REQUIREMENTS OF SPECIFICATION SECTION A3.1c, HOT ROLLED SHAPES WITH FLANGES 1 1/2" THICK AND THICKER SHALL HAVE MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 70°F. PLATES 2" THICK AND THICKER SHALL HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT 70°F.

ROUGH CARPENTRY/ WOOD NOTES:

1. ALL GRADES SPECIFIED ARE MINIMUM GRADES REQUIRED.

2. DOUGLAS FIR (DF) SHALL BE GRADED BY THE WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES, AND ASTM D245.

3. REDWOOD SHALL BE GRADED BY THE CALIFORNIA REDWOOD ASSOCIATION, REDWOOD INSPECTION SERVICE.

4. SILL PLATES SHALL BE PRESSURE-TREATED (PT) DOUGLAS FIR #2. REDWOOD IS PERMITTED WITH SEOR APPROVAL.

5. TOP PLATES, SILL PLATES, STUDS SHALL BE.......................................DF #1
JOISTS, RAFTERS, PURLINS, BEAMS & POSTS SHALL BE .... DF #1 (U.N.O.)
LOAD BEARING STUDS SHALL BE...DF #1

6. MOISTURE CONTENT OF SAWN LUMBER SHALL NOT EXCEED 19% WHEN FRAMING STARTS OR SHEATHING IS APPLIED. ANY NONCOMPLIANT WORK SHALL BE REJECTED AND REFRAMED WITH ACCEPTABLE LUMBER.

7. TIMBERS 4" NOMINAL IN THE LEAST DIMENSION SHALL NOT CONTAIN BOXED HEART.

8. SILL PLATES SHALL BE PRESSURE-TREATED AND SHALL BE BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS AT 48" O.C. MAX, U.N.O. WITH A BOLT BETWEEN 4" TO 12" FROM THE END OF EACH PIECE OF SILL (2 BOLTS MIN EACH PIECE). PIECE OF SILL SHALL BE CONSIDERED ENDED WHERE PLATE IS CUT OUT OVER ONE-THIRD OF CROSS-SECTION.

9. ANCHOR BOLTS FOR STRUCTURAL WALLS SHALL HAVE 12" EMBEDMENT (U.N.O.)
MEASURED FROM TOP OF SLAB.

10. STUD BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES LAPPED AT WALL AND PARTITION INTERSECTIONS. JOINTS IN UPPER AND LOWER MEMBERS OF DOUBLE TOP PLATES SHALL BE STAGGERED AT LEAST 4' - 0".

11. HOLES IN WOOD AND STEEL MEMBERS FOR BOLTS SHALL BE THE NOMINAL BOLT DIAMETER PLUS 1/16".

12. ALL BOLTS IN WOOD SHALL BE ASTM A307 STANDARD BOLTS, U.N.O. BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RETIGHTENED BEFORE CLOSING IN OR AT THE COMPLETION OF THE JOB.

13. HOLES IN WOOD FOR LAG SCREW SHANK SHALL BE BORED TO THE SAME DIAMETER AND DEPTH AS THE SHANK, AND FOR THE THREADED PORTION BORED WITH A BIT NOT LARGER THAN 40% TO 70% OF THE SHANK DIAMETER.

14. THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH.

15. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM 1/16" LARGER THAN THE BOLT DIAMETER. HOLES SHALL BE ACCURATELY ALIGNED IN MAIN MEMBERS AND SIDE PLATES. BOLTS SHALL NOT BE FORCIBLY DRIVEN.

16. FASTENERS, INCLUDING NAILS, NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE - TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.

17. LAG SCREW AND BOLTMINIMUM EDGE AND END DISTANCES (U.N.O.):
MIN. EDGE DISTANCE = 1.5 X DIAMETER
MIN. END DISTANCE = 3.5 x DIAMETER

18. METAL FRAMING CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG TIE COMPANY (CURRENT CATALOG), OR "MITEK" WITH EQUIVALENT ICC PUBLISHED VALUES AND SHALL BE INSTALLED PER SPECIFICATIONS, NO EXCEPTIONS.

19. INSTALL WINDOWS AND DOORS IN STUD WALLS AFTER DEAD LOADS ARE APPLIED, AND PROVIDE A 1/2" SHIM SPACE AT THE HEAD CONDITION.

20. STEEL WASHERS SHALL BE PROVIDED UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS WHICH BEAR ON WOOD. STANDARD CUT WASHERS MAY BE USED IN ALL CASES EXCEPT SILL PLATES AND WOOD LEDGERS AGAINST CONCRETE OR MASONRY. NOTE, WASHERS UNDER CARRIAGE BOLT HEADS SHALL BE LARGE ENOUGH TO ALLOW FOR SQUARE SHOULDERS.

21. ONLY LOAD BEARING AND/OR SHEAR WALLS ARE SHOWN SEE ARCHITECTURAL DRAWINGS FOR ALL OTHER PARTITIONS.

22. ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS ARE 2x6 STUDS @ 16" O.C. TYPICAL, U.N.O.

23. ALL EXTERIOR STUD WALLS SHALL BE COMPLETELY SHEATHED WITH 15/32" APA RATED SHEATHING, EXPOSURE-1 (32/16) AND NAILED TO FRAMING WITH 10d NAILS @ 6" O.C. AT PANEL EDGES AND @ 12" O.C. FIELD NAILING

24. INTERIOR STRUCTURAL SHEATHED WALLS ARE SHOWN ON PLANS AND SHALL HAVE 15/32" APA RATED SHEATHING EXPOSURE-1, (32/16),TYPICAL U.N.O.

25. WHERE SHEAR WALLS OCCUR, SHEATHING SHALL BE APPLIED ALONG THE ENTIRE WALL LINE UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS. SHEAR WALL NAILING ONLY APPLIES ALONG THE LENGTH OF THE SHEAR WALL, THE REMAINDER OF THE WALL SHALL BE NAILED TO FRAMING WITH 10d NAILS @ 6" O.C. AT PANEL EDGES AND @ 12" O.C. FIELD NAILING.

26. ALL STRUCTURAL WALL SHEATHING IS SPLICED ON 2" NOMINAL BLOCKING AT HORIZONTAL JOINTS, U.N.O.

27. STRUCTURAL FLOOR AND ROOF SHEATHING SHALL BE AS ON PLAN AND SHALL BE APA RATED SHEATHING (32/16).
NOTE: 1/8" GAP SHALL BE PROVIDED BETWEEN ADJACENT PANELS. PANELS WITH GRADE STAMP INDICATION "SIZED FOR SPACING" MAY BE USED TO FACILITATE THIS REQUIREMENT. SEE PLANS FOR REQUIRED BOUNDARY AND EDGE NAILING NOT LISTED BELOW. FLOOR SHEATHING SHALL BE GLUED AND NAILED PER PLAN.

(* - SHEATHING @ EXTERIOR DECKS SHALL BE EXTERIOR RATED PLYWOOD.)

BN = BOUNDARY NAILING
EN = EDGE NAILING
FN = FIELD NAILING

28. SEE PLANS FOR LOCATION OF NOMINAL 2X FLAT BLOCKING AT ROOF SHEATHING PANEL JOINTS. SEE THIS SHEET FOR PLY CLIP REQUIREMENTS AT UNBLOCKED ROOF PANEL JOINTS. T&G SHEATHING IS NOT REQUIRED WHERE JOINTS ARE BLOCKED.

NAILING SCHEDULE

(UNLESS OTHERWISE NOTED ON PLANS)

NAIL SPACING TO BE NOT LESS THAN REQUIRED PENETRATION. EDGE AND END DISTANCES SHALL BE NOT LESS THAN HALF THIS SPACING. ALL SPACING AND EDGE AND END DISTANCES SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD. HOLES FOR NAILS, WHERE NECESSARY TO PREVENT SPLITTING, SHALL BE BORED OF A DIAMETER SMALLER THAN THAT OF THE NAILS. COMMON NAILS SHALL BE USED FOR NAILING AT TYPICAL CONNECTIONS NOTED BELOW (U.N.O.). FOR ALL CONNECTIONS OTHERWISE NOTED OR DETAILED ON PLANS, COMMON NAILS SHALL BE USED (SEE SCHEDULE BELOW).

NAIL TYPES		
SIZE	DIAMETER (IN)	LENGTH (IN)
8d	0.131	2 1/2
10d	0.148	3
12d	0.148	3 1/4
16d	0.162	3 1/2
20d	0.192	4

SHORTENED 10d COMMON NAILS MAY BE USED TO FASTEN WOOD STRUCTURAL PANELS UNO. USE THE FOLLOWING MINIMUM LENGTHS:
10d x 2 1/4" FOR 15/32" OR THINNER PANELS,
10d x 2 3/8" FOR 19/32" PANELS, AND FULL LENGTH FOR 5/8" OR THICKER PANELS.

ROOF

1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW
   - EACH END, TOENAIL (4-8D BOX NAILS; OR 3-8D COMMON NAILS; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
2. BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS
   - EACH END, TOENAIL (2-8D COMMON NAILS; OR 2-3" × 0.131" NAILS)
   - END NAIL (2-16D COMMON NAILS; OR 3-3" × 0.131" NAILS)
3. FLAT BLOCKING TO TRUSS AND WEB FILLER
   - FACE NAIL (16D COMMON NAILS @ 6" O.C.; OR 3" × 0.131" NAILS @ 6" O.C.)
4. CEILING JOISTS TO TOP PLATE
   - EACH JOIST, TOENAIL (4-8D BOX NAILS; OR 3-8D COMMON NAILS; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
5. RAFTER OR ROOF TRUSS TO TOP PLATE (SEE CBC SECTION 2308.7.5, CBC TABLE 2308.7.5)
   - 2 TOENAILS ON ONE SIDE AND 1 TOENAIL ON OPPOSITE SIDE OF RAFTER OR TRUSS[c] (3-10 COMMON (3" × 0.148"); OR 3-16D BOX (3 1/2" × 0.135"); OR 4-10D BOX NAILS; OR 4-3" × 0.131 NAILS)
6. ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM
   - END NAIL (2-16D COMMON NAILS; OR 3-16D BOX (3 1/2" × 0.135"); OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
   - TOENAIL (3-10D COMMON (3 1/2" × 0.148"); OR 4-16D BOX (3 1/2" × 0.135"); OR 4-10D BOX NAILS; OR 4-3" × 0.131" NAILS)

WALL

1. STUD TO STUD (NOT AT BRACED WALL PANELS)
   - 24" O.C. FACE NAIL (16D COMMON NAILS)
   - FACE NAIL (10D BOX NAILS; OR 3" × 0.131" NAILS)
2. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)
   - 16" O.C. FACE NAIL (16D COMMON NAILS)
   - 12" O.C. FACE NAIL (16D BOX NAILS; OR 3" × 0.131" NAILS)
3. BUILT-UP HEADER (2" TO 2" HEADER)
   - 16" O.C. EACH EDGE, FACE NAIL (16D COMMON NAILS)
   - 12" O.C. EACH EDGE, FACE NAIL (16D BOX NAILS)
4. CONTINUOUS HEADER TO STUD
   - TOENAIL (4-8D COMMON NAILS; OR 4-10D BOX NAILS; OR 5-8D BOX NAILS)
5. TOP PLATE TO TOP PLATE
   - 16" O.C. FACE NAIL (16D COMMON NAILS)
   - 12" O.C. FACE NAIL (10D BOX NAILS; OR 3" × 0.131" NAILS)
6. TOP PLATE TO TOP PLATE, AT END JOINTS
   - EACH SIDE OF END JOINT, FACE NAIL WITH MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT (8-16D COMMON NAILS; OR 12-16D BOX NAILS; OR 12-10D BOX NAILS; OR 12-3" × 0.131" NAILS)
7. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)
   - 16" O.C. FACE NAIL (16D COMMON NAILS)
   - 16" O.C. FACE NAIL (16D BOX NAILS; OR 3" × 0.131" NAILS)
8. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS
   - 16" O.C. FACE NAIL (2-16D COMMON NAILS; OR 3-16D BOX NAILS; OR 4-3" × 0.131" NAILS)
9. STUD TO TOP OR BOTTOM PLATE
   - TOENAIL(3-16D BOX; OR 4-8D COMMON NAILS; OR 4-10D BOX NAILS; OR 4-3" × 0.131" NAILS; OR 4-8D BOX NAILS)
   - END NAIL (2-16D COMMON NAILS; OR 3-16D BOX; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
10. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS
    - FACE NAIL (2-16D COMMON NAILS; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)

FLOOR

1. JOIST TO SILL, TOP PLATE, OR GIRDER
   - TOENAIL (4-8D BOX; OR 3-8D COMMON NAILS; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
2. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW
   - 4" O.C., TOENAIL (8D BOX NAILS)
   - 6" O.C., TOENAIL (8D COMMON NAILS; OR 10D BOX NAILS; OR 3" × 0.131" NAILS)
3. 26. BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS
   - 32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES (20D COMMON NAILS)
   - 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES (10D BOX NAILS; OR 3" × 0.131" NAILS)
   - AT ENDS AND AT EACH SPLICE, FACE NAIL (2-20D COMMON NAILS; OR 3-10D BOX NAILS; OR 3-3" × 0.131" NAILS)
4. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS
   - EACH JOIST OR RAFTER, FACE NAIL (3-16D COMMON NAILS; OR 4-16D BOX NAILS; OR 4-10D BOX NAILS; OR 4-3" × 0.131" NAILS)
5. JOIST TO BAND JOIST OR RIM JOIST
   - END NAIL (3-16D COMMON NAILS; OR 4-10D BOX NAILS; OR 4-3" × 0.131" NAILS)
6. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS
   - EACH END, TOENAIL (2-8D COMMON NAILS; OR 2-10D BOX NAILS; OR 2-3" × 0.131" NAILS)

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tBP project number: 21206.00
file name:
drawn by: Author checked by: Checker
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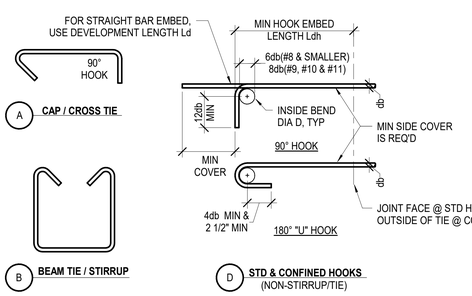
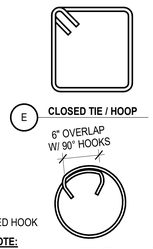
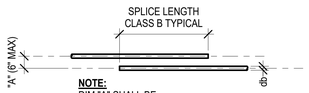
drawing title:
GENERAL NOTES

drawing no.:
S0.2



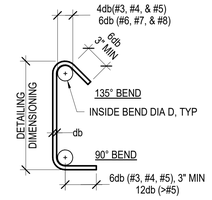


NOTE:
- HOOK SHALL ENGAGE LONG. BARS
- OVERLAPS AT ADJ HOOPS SHALL BE STAGG. AROUND PERIMETER.



NOTE:
DIM "A" SHALL BE:
- 1/5 OF SPLICE LENGTH.

NON-CONTACT SPLICE



F ROUND HOOP

BAR SIZE	FINISHED BEND DIAMETER "D" IN INCHES
#3	2 1/4"
#4	3"
#5	3 3/4"
#6	4 1/2"
#7	5 1/4"
#8	8"
#9	9 1/2"
#10	10 3/4"
#11	12"
#14	18 1/4"
#18	24"

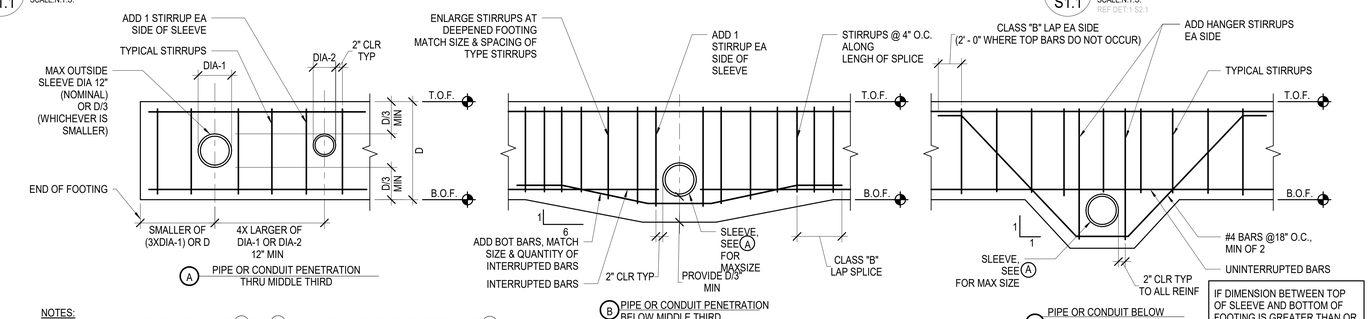
STANDARD HOOKS

	BAR SIZE	L_{dh}(in) STD HOOK	LAP SPLICE (in) CLASS B TOP	LAP SPLICE (in) CLASS B OTHER	L_d(in) DEVELOPMENT LENGTH TOP	L_d(in) DEVELOPMENT LENGTH OTHER
3000 PSI NWC	#3	6	29	23	22	17
	#4	7	38	29	29	22
	#5	10	47	37	36	28
	#6	13	56	43	43	33
	#7	17	82	63	63	48
	#8	20	94	72	72	55
	#9	24	106	81	81	62
	#10	29	119	91	91	70
	#11	33	132	102	101	78
4000 PSI NWC	#3	6	25	20	19	15
	#4	7	33	25	25	19
	#5	9	41	32	31	24
	#6	12	49	38	37	29
	#7	15	71	55	54	42
	#8	19	81	63	62	48
	#9	22	91	71	70	54
	#10	27	103	80	79	61
	#11	31	114	88	87	67
5000 PSI NWC	#3	6	23	17	17	13
	#4	6	30	23	23	17
	#5	9	37	29	28	22
	#6	12	45	34	34	26
	#7	15	64	50	49	38
	#8	18	73	56	56	43
	#9	22	82	63	63	48
	#10	26	93	71	71	54
	#11	30	102	78	78	60

NOTES:
1. Ldh = HOOK DEVELOPMENT LENGTH.
2. Ld = DEVELOPMENT LENGTH.
3. db = REINFORCING BAR DIAMETER
4. SEE BUILDING CODE AND ACI 318-19 VERSION FOR ALL REQUIREMENTS NOT NOTED.
5. FOR LIGHTWEIGHT CONCRETE MULTIPLY Ldh AND Ld VALUES SHOWN BY 1.33.
6. TOP BARS ARE HORIZONTAL WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS. ALL OTHER BARS ARE "OTHER" BARS.
7. STANDARD HOOK Ldh DOES NOT ACCOUNT FOR THE EFFECT OF TIES. CONFINED HOOK Ldh MAY BE USED WHERE ACI 318-19 25.4.3 APPLIES.
8. VALUES SHOWN ABOVE ARE FOR GRADE 60 (FY=60 KSI) REINFORCEMENT.
9. SPLICE LENGTHS SHOWN ARE FOR CLEAR SPACING NOT LESS THAN 2db, CONCRETE COVER NOT LESS THAN db.
10. IF EPOXY-COATED REINFORCEMENT IS USED, THE DEVELOPMENT/LAP SPLICE LENGTHS HEREIN SHALL BE MULTIPLIED BY APPLICABLE FACTORS IN ACI 318-19 SECTIONS 25.4.2.5 OR 25.4.3.2.
11. IN LIEU OF LAP SPLICES, PROVIDE TYPE 2 COUPLERS PER IAPMO ER 0129. STAGGER COUPLERS SO THAT COUPLERS DO NOT OCCUR IN ROW.

5 S1.1 TYPICAL CONC REINFORCEMENT DETAILS AND DEVELOPMENT LENGTHS

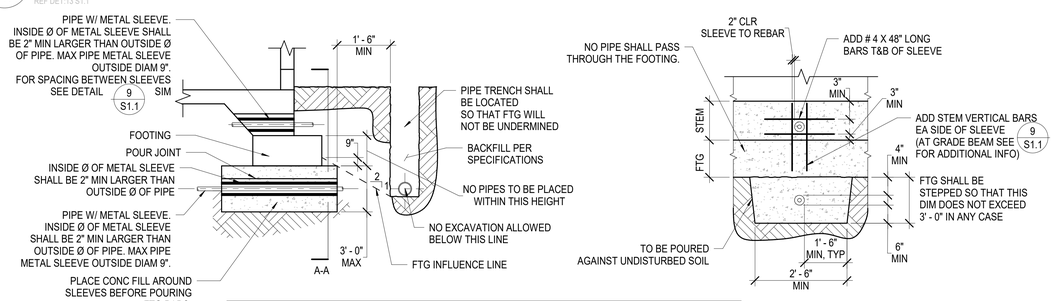
SCALE:N.T.S.



NOTES:
1. DO NOT CUT REINFORCING AT (A) OR (C) ONLY CUT INTERRUPTED REINFORCING AT (B).
2. PROVIDE MINIMUM 2" CLEAR BETWEEN SLEEVE AND REINFORCING .
3. INSIDE Ø OF METAL SLEEVE SHALL BE 2" MIN LARGER THAN OUTSIDE Ø OF PIPE.
4. CAULK SEAL GAP AT SLEEVE-TO-PIPE/CONDUIT INTERFACE ON EXTERIOR SIDE OF FOOTING .
5. IF PIPE OR CONDUIT PENETRATION OCCURS AT EITHER TOP OR BOTTOM REBAR SPLICE LOCATION PROVIDE 2 ADDITIONAL SHEAR STIRRUPS FOR A TOTAL OF 4 SHEAR STIRRUPS ON EACH SIDE OF PENETRATION .

9 S1.1 TYPICAL PIPE OR CONDUIT PENETRATIONS THRU CONTINUOUS FOOTINGS

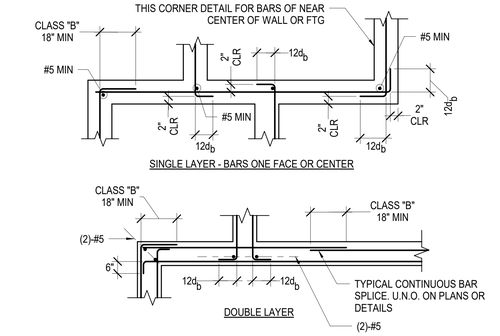
SCALE:N.T.S.
REF DET:10 S5.1



NOTES:
1. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
2. IF REQUIREMENTS AS SHOWN CANNOT BE MET, STEP FOOTING PER TYPICAL 'STEPPED FOOTING' DETAIL.
3. REFERENCE CBC SECTION 1809.14.

13 S1.1 PIPE TRENCH FOOTING DETAIL

SCALE:N.T.S.
REF DET:9 S1.1



23 S1.1 REINF BAR SPLICES AT CONT WALL FTGS INTERSECTIONS

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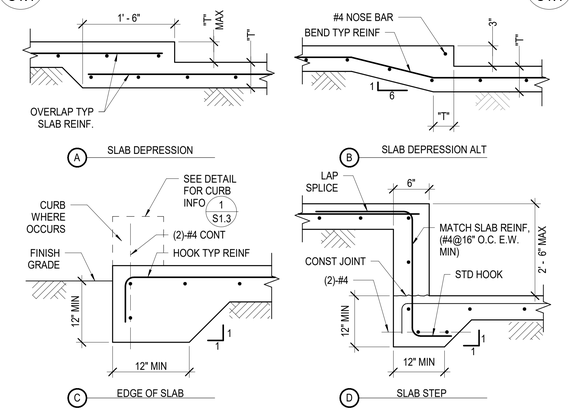
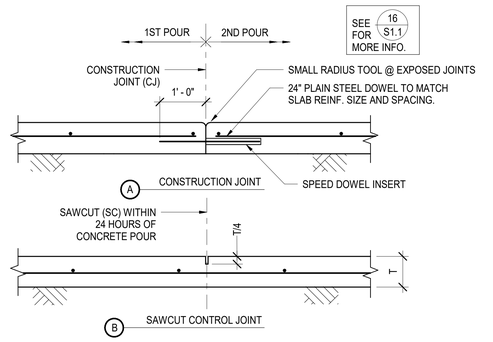


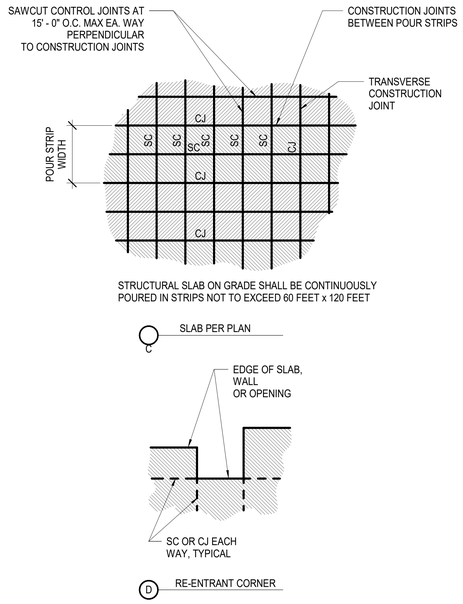
4 S1.1 TYPICAL SLAB ON GRADE CONTROL JOINT (FOR SLAB THICKNESS 4" TO 6")

SCALE:N.T.S.



6 S1.1 TYPICAL SLAB ON GRADE DETAILS

SCALE:N.T.S.
REF DET:1 S2.1



NOTES:
1. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VISUALLY EXPOSED CONTROL JOINTS.
2. FOR POURING SEQUENCE OTHER THAN THAT SHOWN ON THESE PLANS, SUBMIT SHOP DRAWINGS TO SEOR FOR REVIEW 7 DAYS PRIOR TO POUR.
3. FOR SAW CUT (SC) AND CONSTRUCTION JOINT (CJ) SEE DETAIL 4 / S1.1
4. FOR TYPICAL SLAB EDGE AND STEPS IN SLAB SEE DETAIL 6 / S1.1

16 S1.1 TYPICAL SLAB ON GRADE CONTROL JOINT

SCALE:N.T.S.
REF DET:4 S1.1

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tBP project number: 21206.00

file name:

drawn by: Author checked by: Checker

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rev:	date:	description:

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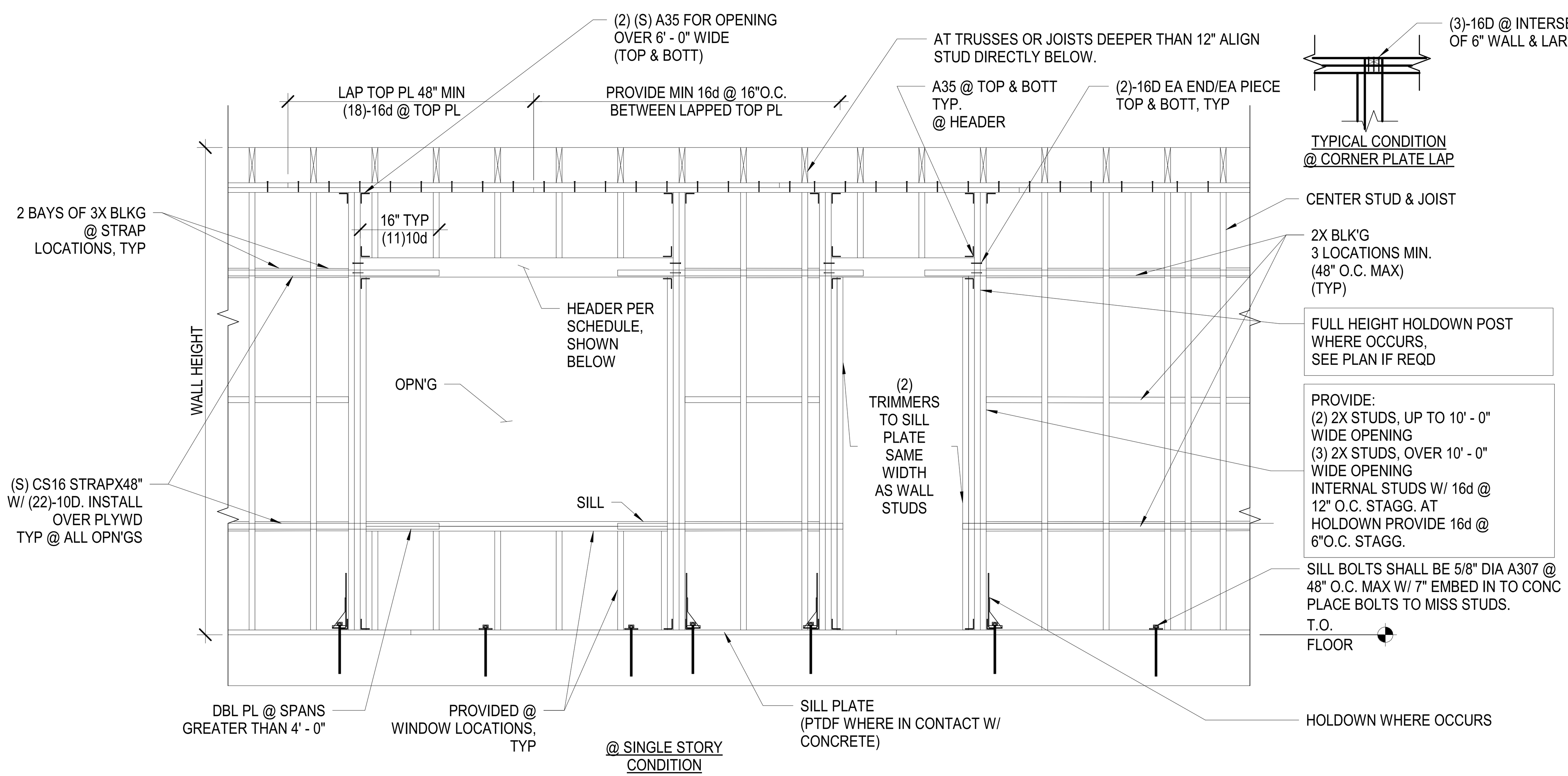
TYPICAL DETAILS

drawing no.:

S1.1

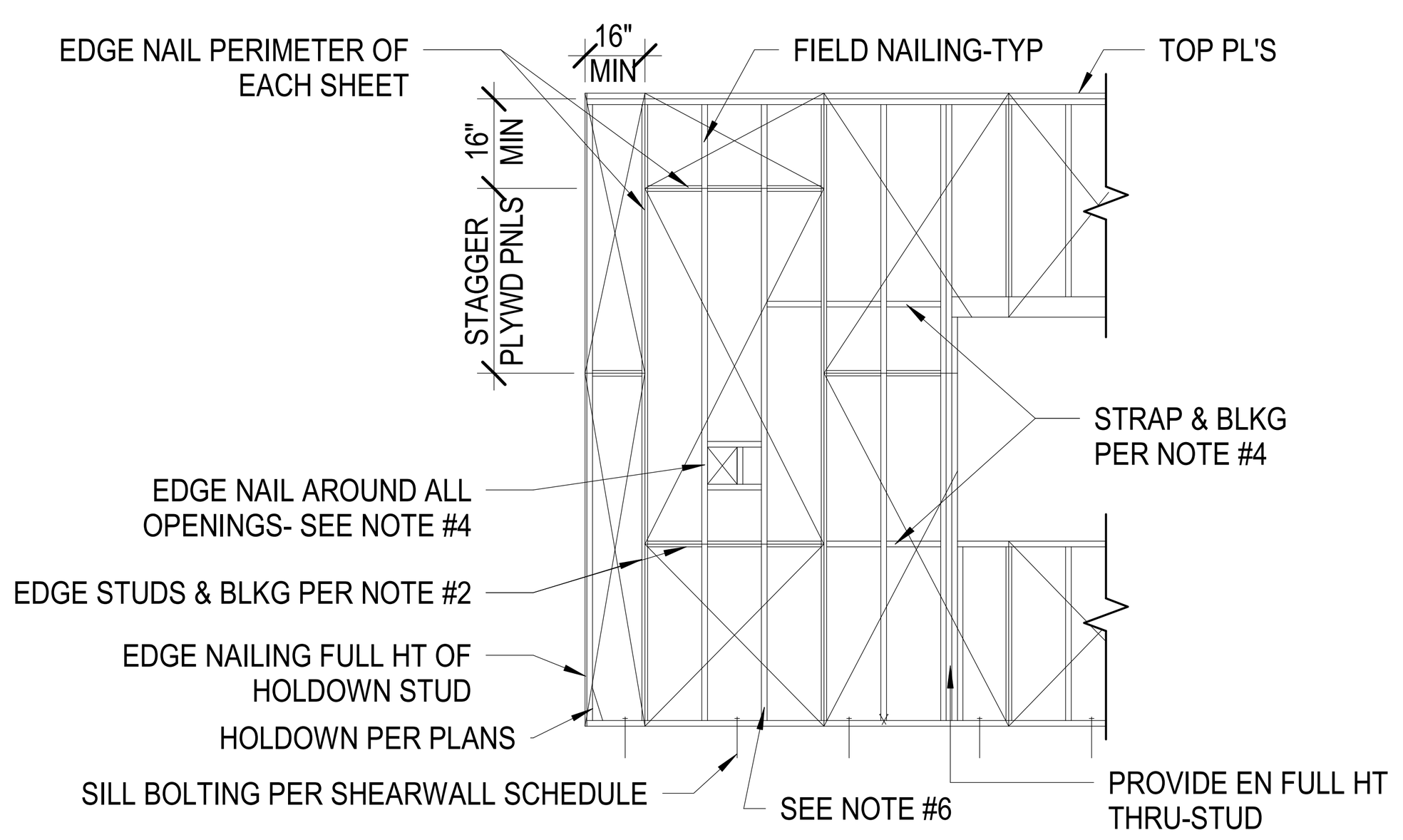


HEADER NOTES:
1. SOLID HEADERS MAY BE USED W/ SAME THICKNESS & DEPTH AS BUILT UP HEADERS STATED ABOVE
2. WHERE DISCREPANCIES BETWEEN THE BEARING WALL HEADER SCHEDULE AND DRAWINGS OCCURS, DRAWINGS TAKE PRECEDENCE

WALL STUD SCHEDULE	
EXTERIOR WALL (SPACING @ 16" O.C.) 6" WALL (U.N.O.)	NON-BEARING WALL (SPACING @ 16" O.C.)
2X6	2X4 MIN

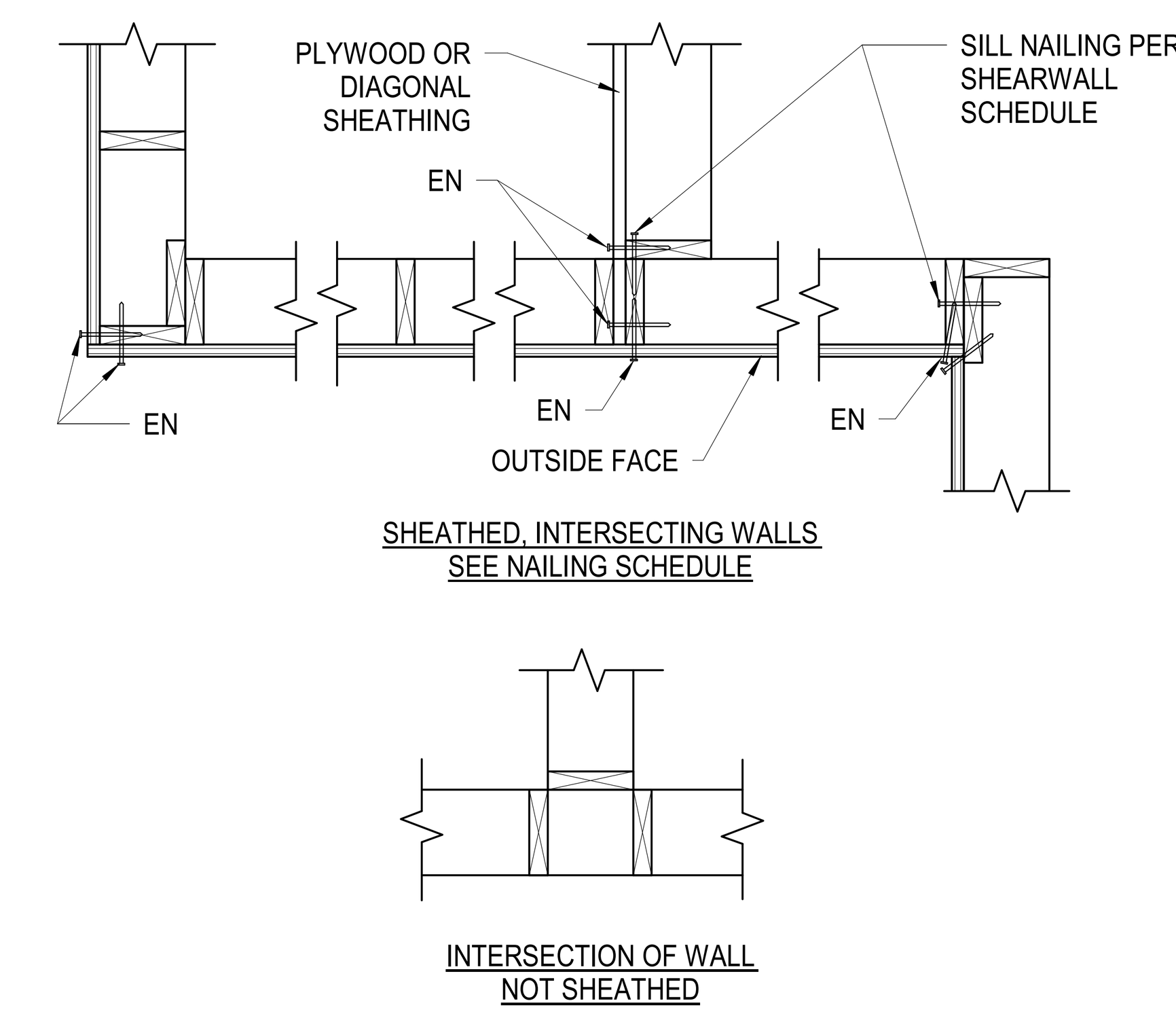
NON-BEARING PARTITION HEADERS		
SPAN	2X4 STUD WALL	2X6 STUD WALL
UP TO 6' - 0"	4X6	6X6
6' - 1" TO 10' - 0"	4X8	6X8
10' - 1" TO 12' - 0"	4X10	6X10

5 S1.2 TYP WALL AND OPENING FRAMING
SCALE N.T.S.
REF DET 7 S1.3

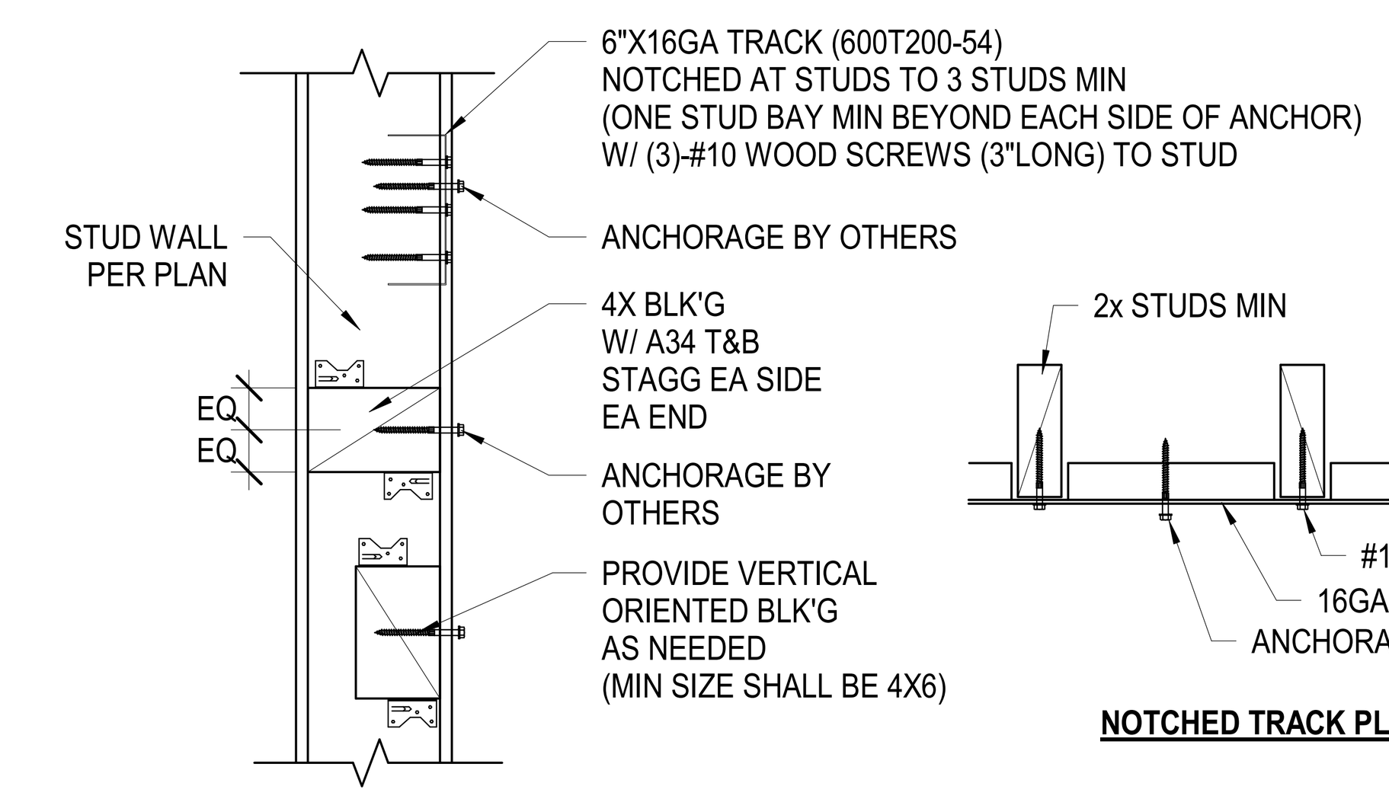


NOTES:
1. NAIL EDGE DISTANCE SHALL BE 3/8" FROM EDGE OF PLYWOOD AND EDGE OF 2x STUDS AND BLOCKING.
2. PROVIDE EDGE STUDS AND BLOCKING PER SHEARWALL SCHEDULE.
3. NAIL EDGE DISTANCE SHALL BE 5/8" FROM EDGE OF PLYWOOD AND EDGE OF 3x STUDS AND BLOCKING.
4. PROVIDE EDGE NAILING AROUND ALL OPENINGS. WHERE OPENING WIDTH EXCEEDS ONE STUD SPACE, PROVIDE CS16 COILED STRAP EACH SIDE OF OPENING WITH 10d @ 4" O.C. STRAP LENGTH SHALL EQUAL OPENING WIDTH/3 WITH STRAP CENTER AT JAMB STUD. STRAP LENGTH NEED NOT EXCEED 8' - 0" AND MAY BE OMITTED AT CORNER(END OF WALL) CONDITION. WHERE NON-CONT HEADERS OCCUR AT ADJACENT OPENINGS PROVIDE CS16 ACROSS HEADERS WITH LENGTH BASED ON LARGER OPENING (STRAP NOT REQ'D AT CONTINUOUS HEADERS).
5. ALL DEFECTIVE NAILING SHALL BE REMOVED AND REPLACED BY SOUND NAILING.
6. PROVIDE FULL HEIGHT EDGE NAILING WHERE POST OR STEEL COLUMN WITH NAILERS OCCURS WITHIN WALL.

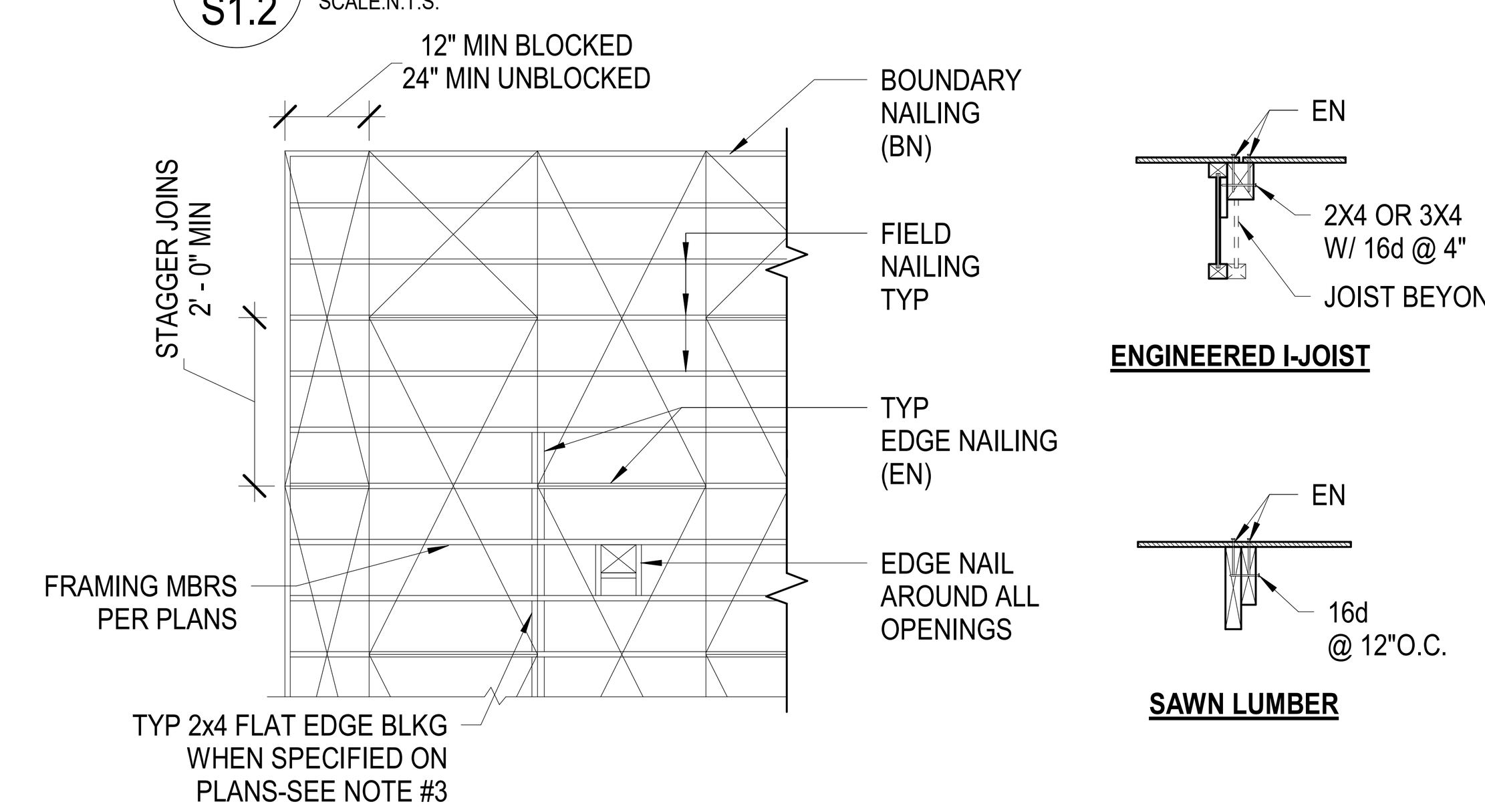
3 S1.2 PLYWOOD SHEARWALL DETAILS
SCALE N.T.S.



4 S1.2 STUDS ANGLES AND CORNERS (UNLESS OTHERWISE SHOWN)
SCALE N.T.S.

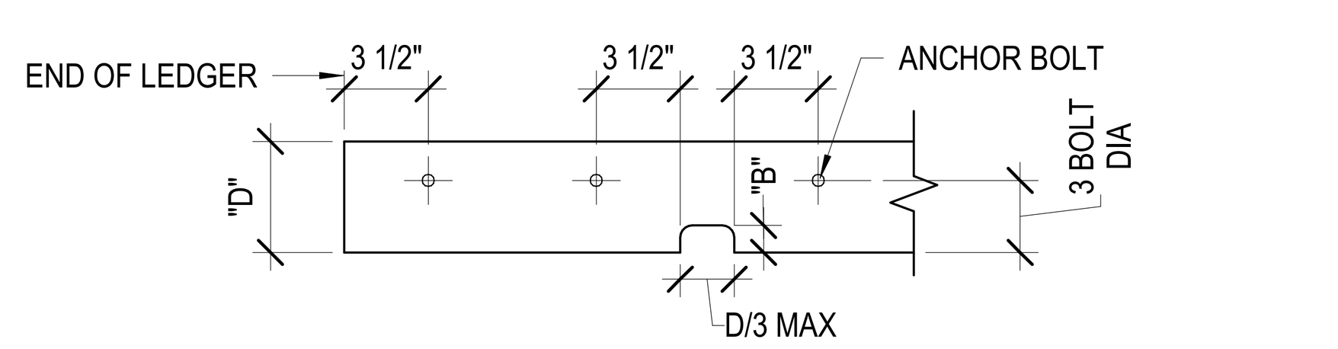


7 S1.2 TYPICAL BLOCKING/BACKING DETAIL
SCALE N.T.S.



NOTES:
1. PLACE FACE GRAIN OR PLYWOOD PERPENDICULAR TO FRAMING UNLESS NOTED OTHERWISE.
2. NAIL EDGE DISTANCE SHALL BE 3/8" FROM EDGE OF PLYWOOD & 2x FRAMING MEMBER (3/4" @ 3x OR 4x FRAMING MEMBER).
3. PROVIDE BOUNDARY NAILING(BN) AT DIAPHRAGM BOUNDARIES, CHORDS, STRUT TIES AND WHERE SPECIFIED.
4. WHERE JOIST LAP-SPLICE OCCURS AND PLYWOOD JOINT IS OFFSET ADD 2x4 OR 3x4 NAILER AS SHOWN ABOVE.

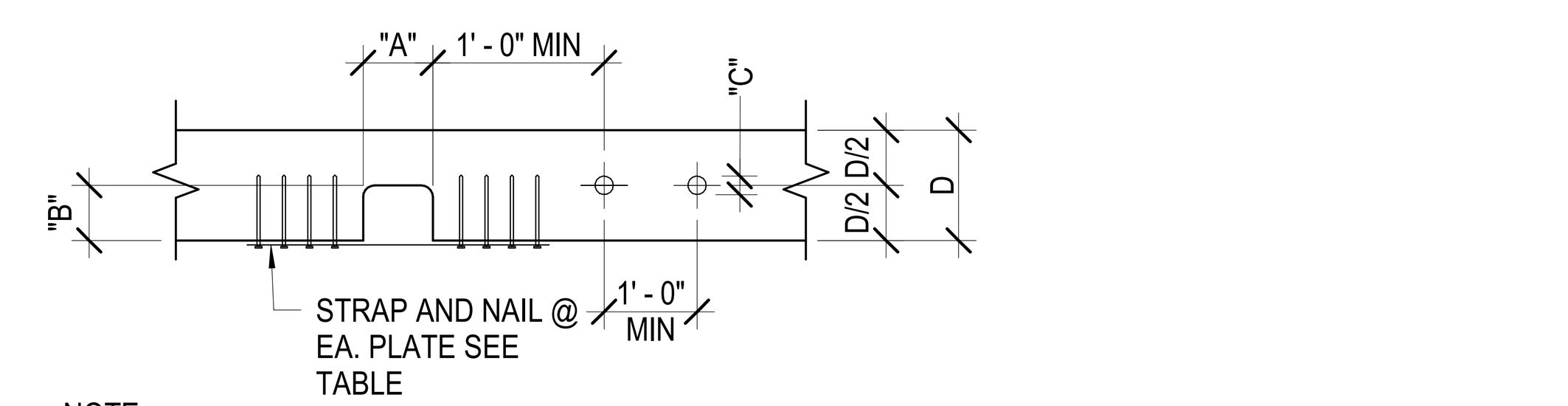
11 S1.2 PLYWOOD ROOF OR FLOOR DETAILS
SCALE N.T.S.



WHERE DEPTH OF NOTCH "B" IS GREATER THAN D/5 PROVIDE ANCHOR BOLT AT EA SIDE OF NOTCH AS SHOWN.

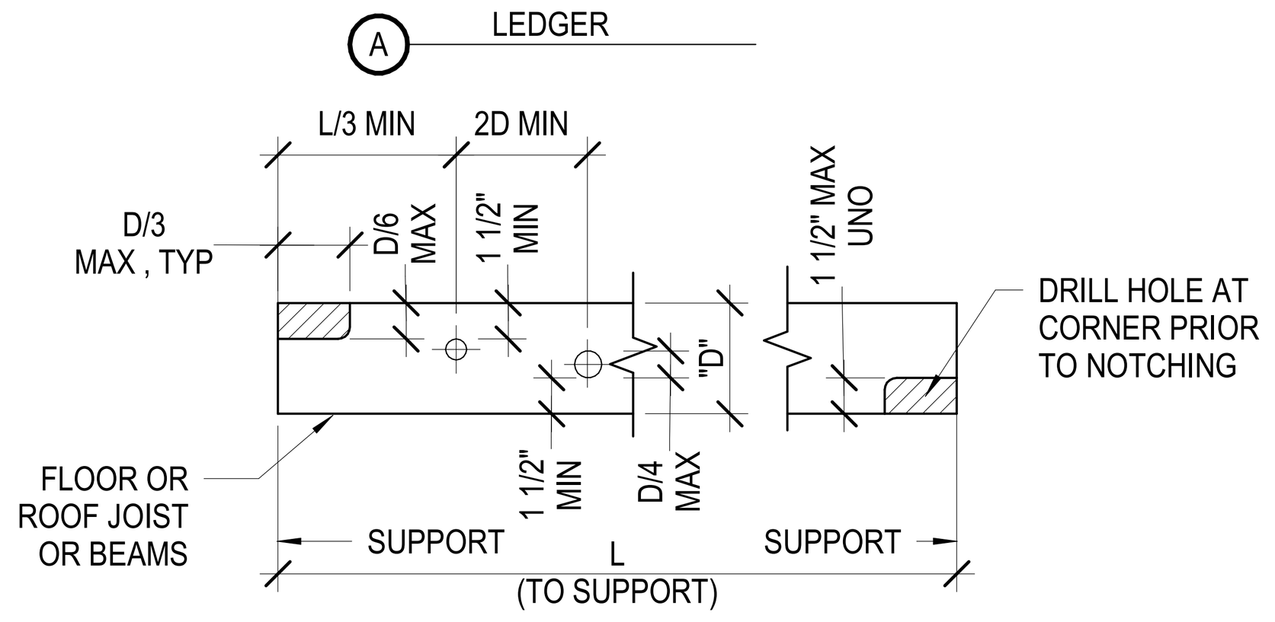
NOTE:
DRILL HOLE IN CORNER PRIOR TO NOTCHING.

(A) LEDGER



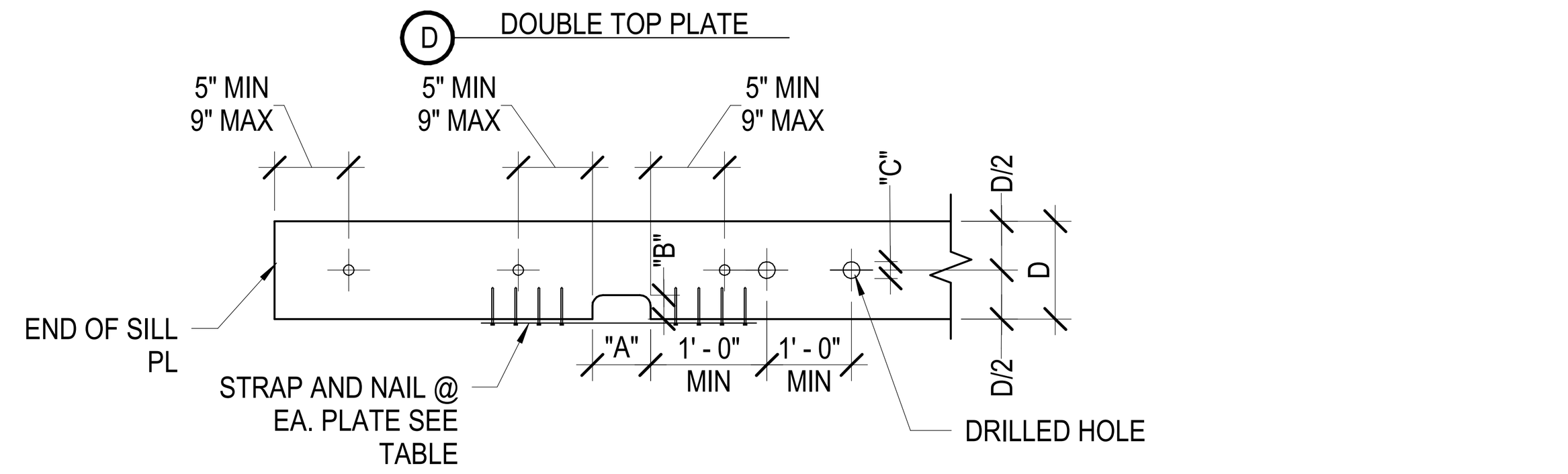
NOTE:
WHERE NOTCH IS GREATER THAN 1" PROVIDE 10 GA STRAP W/ WIDTH SAME AS DBL TOP PL.TOP PL OF SHEAR WALLS SHALL NOT BE NOTCHED UNLESS SPECIFICALLY DETAILED.

(D) DOUBLE TOP PLATE



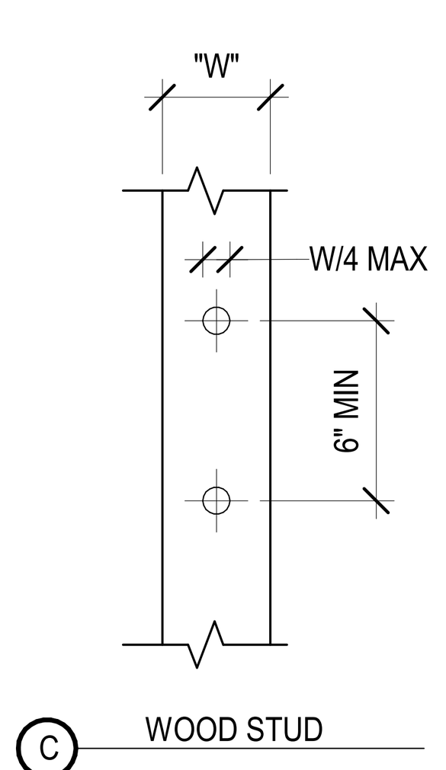
NOTES:
1. NOTCHES AND DRILLED HOLES AS SHOWN ABOVE MAY BE USED ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER ON RECORD.
2. DO NOT PLACE NOTCH BETWEEN SUPPORTS.

(B) PURLINS AND BEAMS



NOTE:
WHERE DEPTH OF NOTCH "B" IS GREATER THAN D/5 PROVIDE ANCHOR BOLT EA SIDE OF NOTCH AS PER END REQUIREMENT. NO MORE THAN ONE NOTCH IS PERMITTED IN EVERY 12' - 0" @ SHEAR WALL.

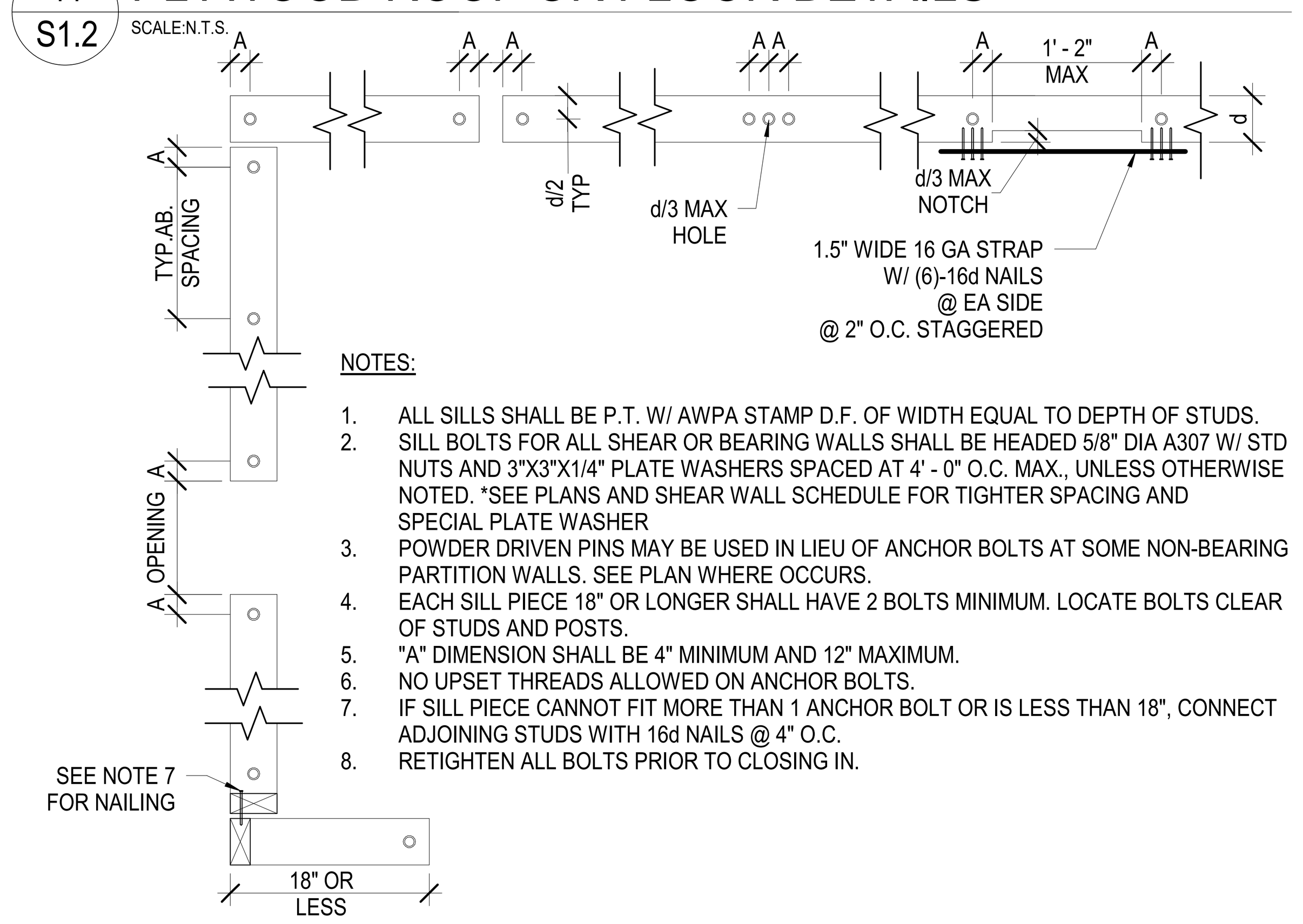
(E) SILL PLATE



(C) WOOD STUD

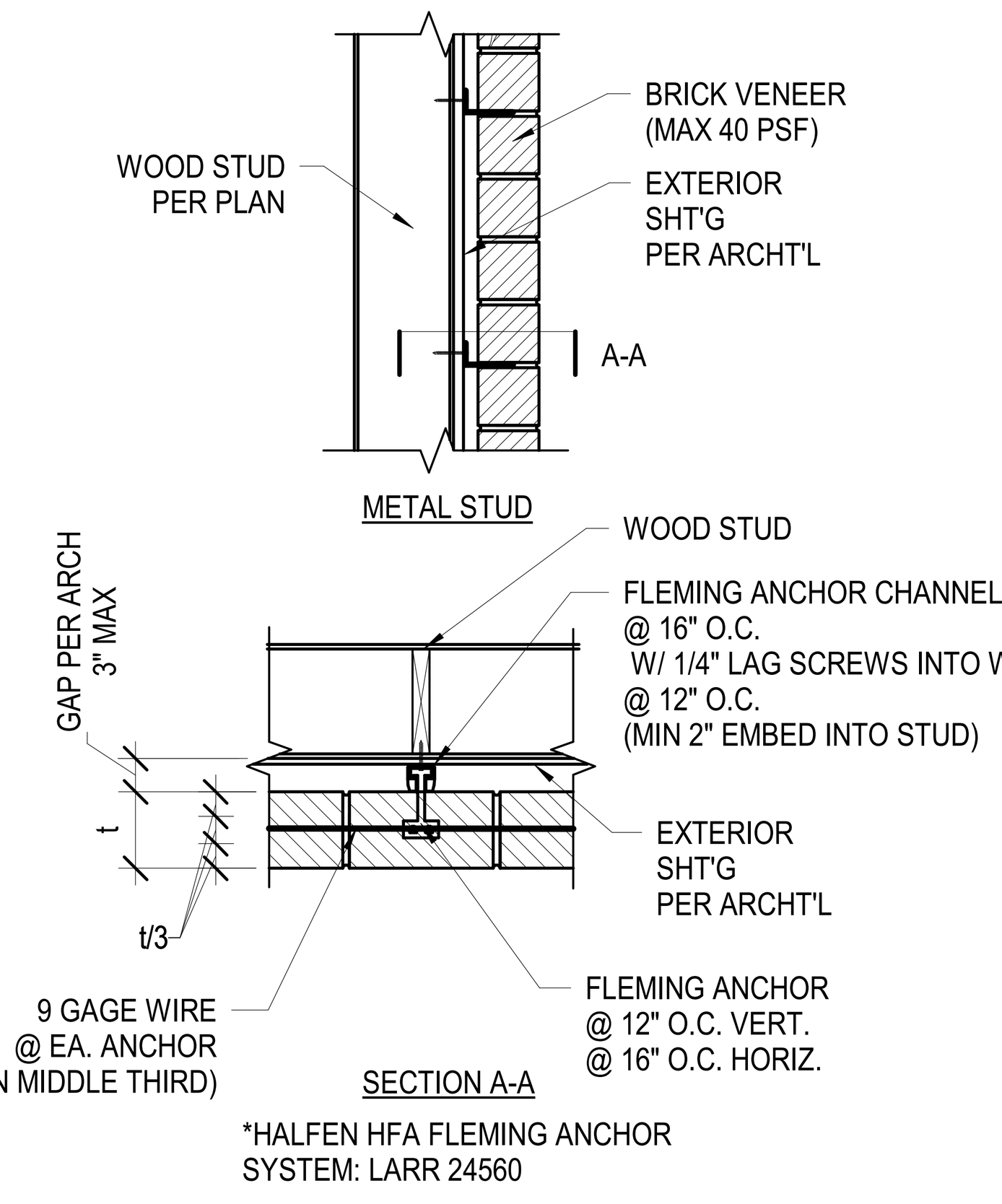
TABLE – MECHANICAL PENETRATIONS OF TOP AND SILL PLATES OF WOOD SHEAR WALLS				
TOP AND SILL PLATES	A (NOTCH WIDTH)	B (NOTCH DEPTH)	C (BORED HOLE ∅)	STRAP AND NAIL
2x4 DBL.TOP PLATE, 2x4 OR 3x4 SILL PLATE	3 1/2 " MAX	1 1/2 " MAX	1 1/4 " MAX	1 1/4 " x16 GA. 15" LONG STRAP W/ (6)-10d COMMON NAILS EA. END @EA. PLATE
2x6 DBL.TOP PLATE, 2x6 OR 3x6 SILL PLATE	5 1/2 " MAX	2 " MA X	2 " MAX	1 1/4 " x16 GA. 21" LONG STRAP W/ (8)-10d COMMON NAILS EA. END @EA. PLATE
2x8 DBL.TOP PLATE, 2x8 OR 3x8 SILL PLATE	5 1/2 " MAX	3 " MAX	3 " MAX	1 1/4 " x16 GA. 30" LONG STRAP W/ (11)-10d COMMON NAILS EA. END @EA. PLATE

13 S1.2 HOLES AND NOTCHING IN WOOD FRAMING
SCALE N.T.S.



NOTES:
1. ALL SILLS SHALL BE P.T. W/ AWPA STAMP D.F. OF WIDTH EQUAL TO DEPTH OF STUDS.
2. SILL BOLTS FOR ALL SHEAR OR BEARING WALLS SHALL BE HEADED 5/8" DIA A307 W/ STD NUTS AND 3"X3"X1/4" PLATE WASHERS SPACED AT 4' - 0" O.C. MAX., UNLESS OTHERWISE NOTED. *SEE PLANS AND SHEAR WALL SCHEDULE FOR TIGHTER SPACING AND SPECIAL PLATE WASHER
3. POWDER DRIVEN PINS MAY BE USED IN LIEU OF ANCHOR BOLTS AT SOME NON-BEARING PARTITION WALLS. SEE PLAN WHERE OCCURS.
4. EACH SILL PIECE 18" OR LONGER SHALL HAVE 2 BOLTS MINIMUM. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
5. "A" DIMENSION SHALL BE 4" MINIMUM AND 12" MAXIMUM.
6. NO UPSET THREADS ALLOWED ON ANCHOR BOLTS.
7. IF SILL PIECE CANNOT FIT MORE THAN 1 ANCHOR BOLT OR IS LESS THAN 18", CONNECT ADJOINING STUDS WITH 16d NAILS @ 4" O.C.
8. RETIGHTEN ALL BOLTS PRIOR TO CLOSING IN.

15 S1.2 ANCHOR BOLT AND SILL PLATE
SCALE N.T.S.



16 S1.2 BRICK VENEER SUPPORT AT MAT FOUNDATION
SCALE N.T.S.

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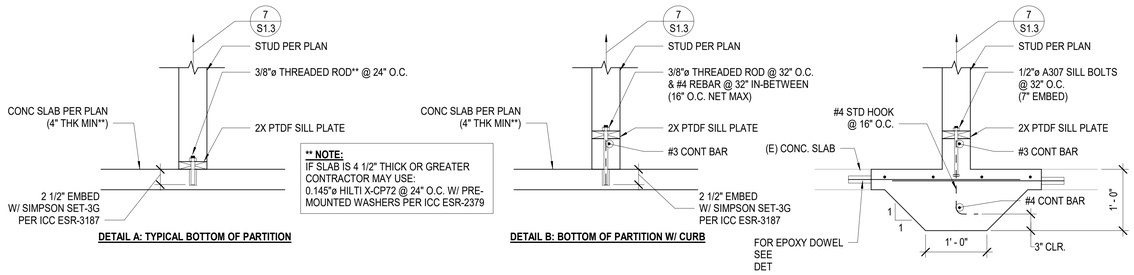
rev:	date:	description:

drawing title:
TYPICAL DETAILS

drawing no.:
S1.2



DETAIL A: TYPICAL BOTTOM OF PARTITION

DETAIL B: BOTTOM OF PARTITION W/ CURB

DETAIL C: BOTTOM OF PARTITION W/ MONOLITHIC CURB

1 S1.3 BOTTOM OF NON-BEARING PARTITIONS

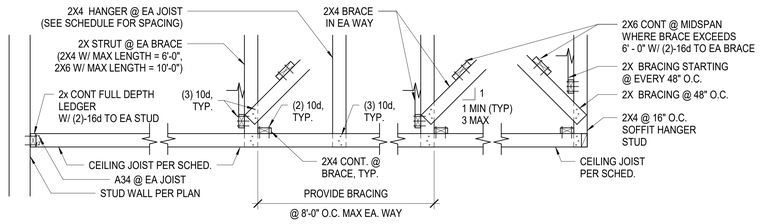
SCALE: 1" = 1'-0"

REF DET.6 S1.1

MAX CEILING JOIST SPAN / VERT HANGER SPAN	JOIST SIZE AND SPACING	MAX CEILING WT
8' - 0"	2X4 @ 16" O.C. MAX	MAX 10 PSF DEAD LOAD
10' - 0"	2X6 @ 16" O.C. MAX	
12' - 0"	2X8 @ 16" O.C. MAX	

CEILING JOIST SCHEDULE

NOTE:
FOR HANGER/STRUT/BRACE
CONNECTION TO STRUCTURE
SEE 8 DET. S1.3



DETAIL A: CEILING JOIST @ WALL

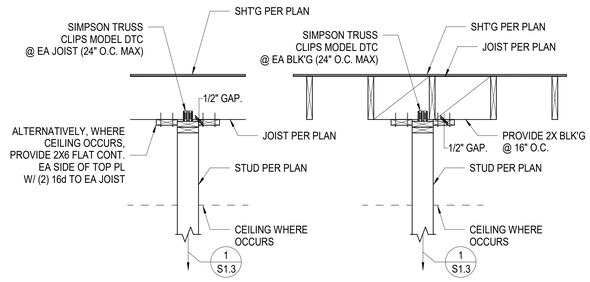
DETAIL B: CEILING JOIST HANGER/BRACING

DETAIL C: CEILING JOIST @ SOFFIT

3 S1.3 MULTIPLE JOISTS

SCALE:N.T.S.

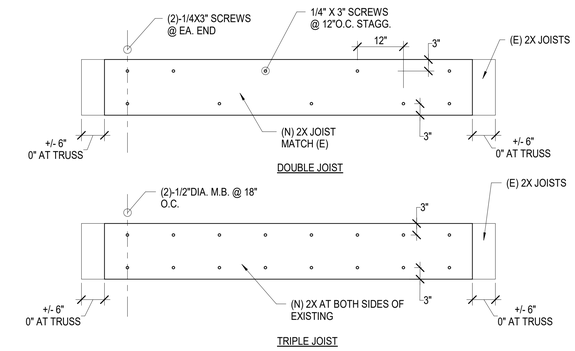
REF DET.2 &5.1

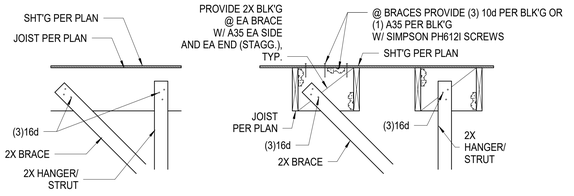


DETAIL A: PERPENDICULAR CONDITION

DETAIL B: PARALLEL CONDITION
(SEE DETAIL A FOR ADDT'L INFO)

FOR FRAMING ELEV.
SEE 5
DET. S1.2





@ JOIST PARALLEL

@ JOIST PERPENDICULAR

5 S1.3 CEILING JOIST DETAIL

SCALE:N.T.S.

7 S1.3 NON-BEARING STUD WALL

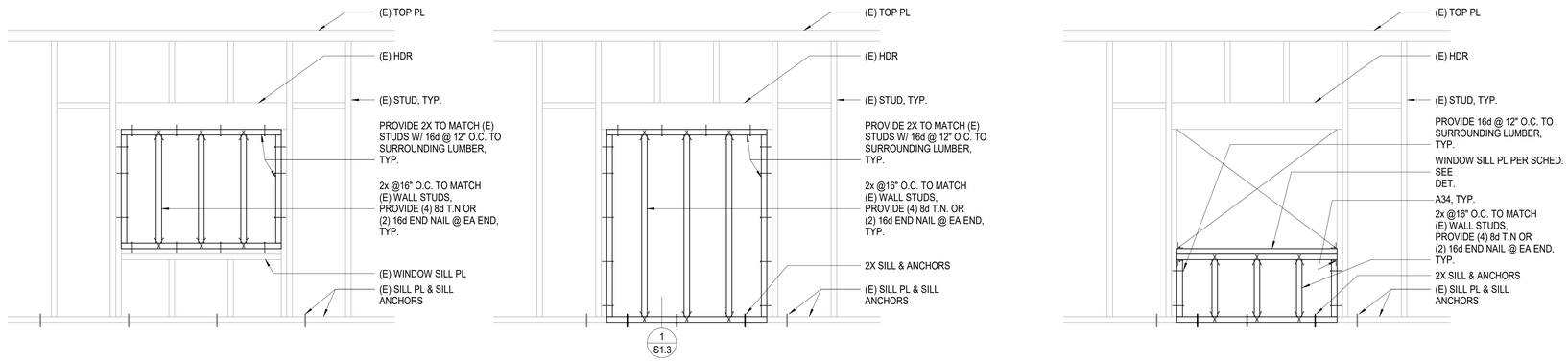
SCALE:N.T.S.

REF DET-1 S1.3

8 S1.3 STUD HANGER/STRUT/BRACE TO STRUCTURE

SCALE:N.T.S.

REF DET.5 S1.3



DETAIL A: @ WINDOW

DETAIL B: @ DOOR

DETAIL B: @ DOOR CONVERTED TO WINDOW

9 S1.3 INFILL OF (E) NON-STRUCTURAL WALL

SCALE:N.T.S.

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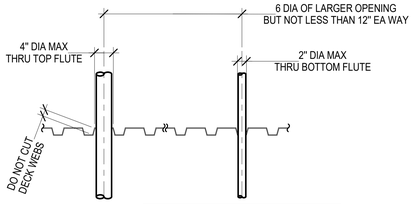
drawing no.:

S1.3

7 - WELD PATTERN

1 S1.4 TYP METAL DECK WELDING / SCREW PATTERNS

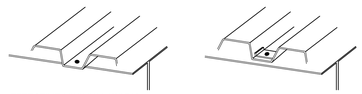
SCALE:N.T.S.



IF OPENINGS ARE CLOSER OR LARGER THAN SHOWN, REINFORCE DECK PER TYP OPENINGS IN METAL DECK DETAIL

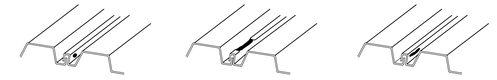
2 S1.4 PIPE PENETRATIONS AT DECK W/O FILL

SCALE:N.T.S.



A ROOF DECK PUDDLE WELD B DECK PLUG WELD

WELDS TO SUPPORT



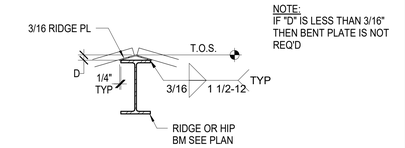
C BUTTON PUNCH D TOP SEAM E SIDE SEAM WELD

SIDE LAP FASTENING

3 S1.4 TYPICAL METAL DECK WELDING

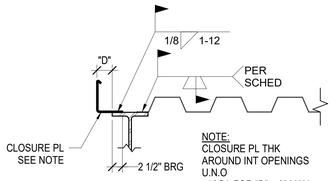
SCALE:N.T.S.

REF DET:9 S1.4

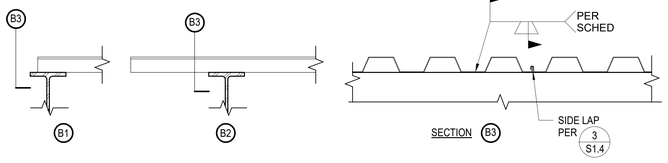


4 S1.4 TYP SLOPED DECK TO BEAM

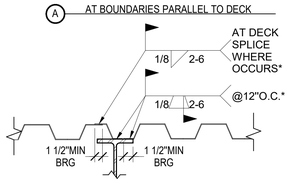
SCALE:N.T.S.



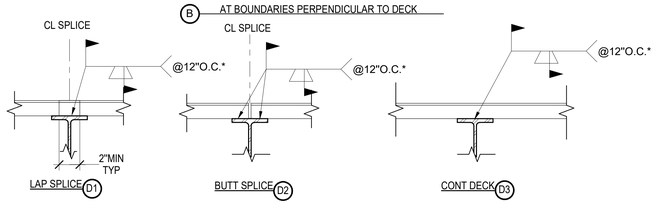
NOTE:
CLOSURE PL THK
AROUND INT OPENINGS
U.N.O
- 16GA FOR "D" = 3" MAX
- 16GA FOR "D" = 3" MAX
- 10GA FOR "D" = 8" MAX



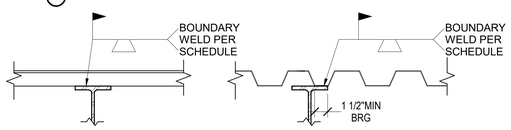
A AT BOUNDARIES PARALLEL TO DECK



B AT BOUNDARIES PERPENDICULAR TO DECK



C AT INTERIOR BEAMS PARALLEL OR SKEWED TO DECK



NOTE:
DO NOT SPLICE DECK AT STRUT MEMBER

E AT INTERIOR STRUT

D AT INTERIOR BEAMS PERPENDICULAR TO DECK

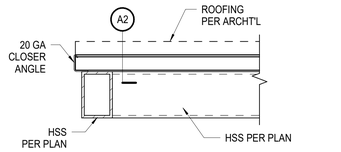
NOTES:

1. SEE METAL DECK NOTES ON SHEET S0.1
2. ALL DECK SHALL HAVE 2 1/2" MIN BEARING ON END SUPPORT, 1 1/2" MIN BEARING ON SIDE SUPPORT TYP., U.N.O.
3. TSW REFERS TO TOP SEAM WELD. SEE DETAIL 3 / S1.4
4. VSC REFERS TO VERCO SIDELAP CONNECTION.
5. SEE DETAIL 1 / S1.4 FOR WELDING PATTERN.
6. ALL STEEL DECK SHALL BE GALVANIZED, U.N.O.
7. NO LOADS OF ANY KIND SHALL BE HUNG FROM ROOF DECK UNLESS SPECIFICALLY DETAIL ON STRUCTURAL DRAWINGS.
8. ALL PUDDLE WELDS SHALL HAVE AN EFFECTIVE FUSION AREA AT LEAST EQUIVALENT TO 3/8" X 1" LONG OR 3/4" IN DIAMETER. PUDDLE WELD MAY BE OMITTED WHERE LOCATION COINCIDES WITH SHEAR STUDS WELDED THROUGH METAL DECK.
9. SEE DETAIL 4 / S1.4 WHERE THE SLOPE OF THE METAL DECK REQUIRES BENT PLATE.

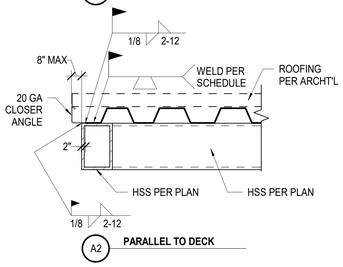
9 S1.4 TYPICAL METAL DECK DETAILS AND SCHEDULE

SCALE:N.T.S.

REF DET:3 S5.1

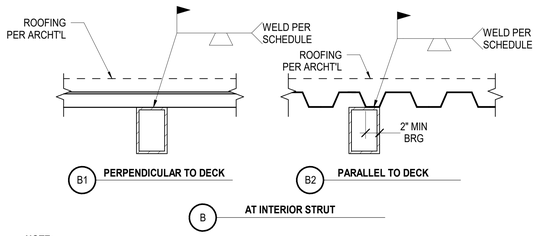


A1 PERPENDICULAR TO DECK



A2 PARALLEL TO DECK

A AT BOUNDARIES TO DECK



B AT INTERIOR STRUT

NOTE:
DO NOT SPLICE DECK AT STRUT MEMBER

11 S1.4 TYP METAL DECK DETAILS AND SCHEDULE

SCALE:N.T.S.

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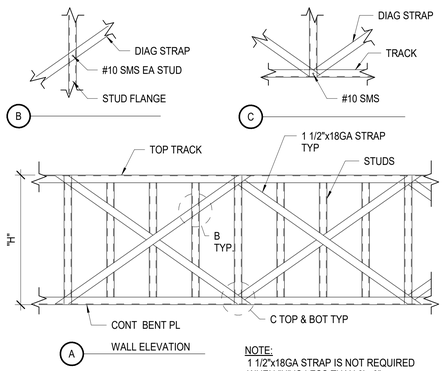
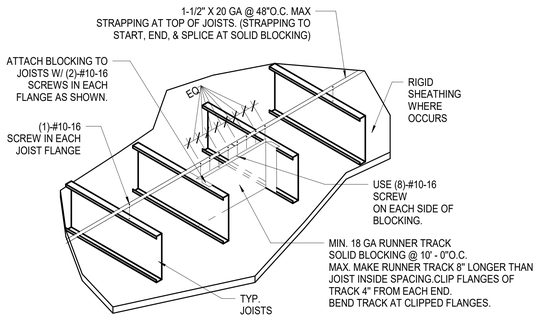
S1.4

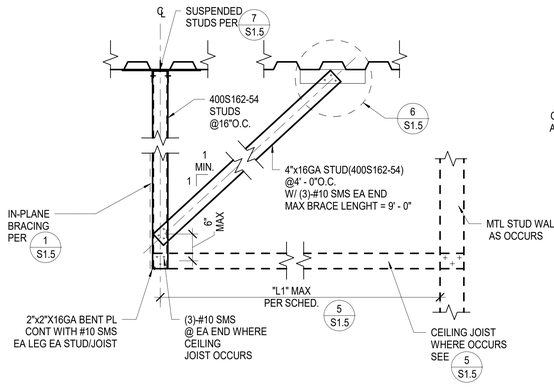


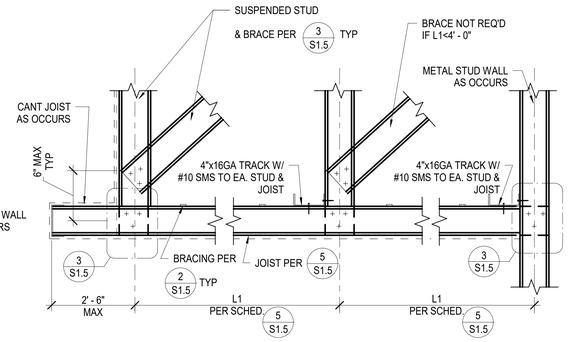
NOTE:
1 1/2"x18GA STRAP IS NOT REQUIRED WHEN "H" IS LESS THAN 3' - 0".

BLOCKING NOTE:
PLACE SOLID BLOCKING AT ENDS OF FLOOR SYSTEM, ADJACENT TO ALL OPENINGS, AND AT 10' - 0"O.C. MAX.

STRAP NOTE:
TOP STRAP NOT REQ'D. IF CONTINUOUSLY ATTACHED RIGID SHEATHING IS USED. TEMPORARY BRACING OF TOP FLANGE DURING CONSTRUCTION MAY BE REQ'D.







1 S1.5 IN-PLANE BRACING
SCALE:N.T.S.
REF DET.3 S1.5

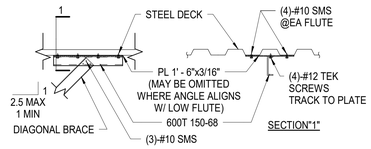
@ CONC WALL

INTERIOR METAL CEILING JOIST SCHEDULE					
NOMINAL SIZE	SSMA PRODUCT IDENTIFICATION	Ixx(IN)	Sxx(IN)	SPACING (IN)	MAXIMUM SPAN (L1)
3 5/8"x20GA	362S162-33	0.551	0.304	16	8' - 6"
4"x18GA	400S162-43	0.892	0.446	16	9' - 6"
6"x18GA	600S162-43	2.316	0.772	16	11' - 0"
8"x18GA	800S162-43	4.633	1.158	16	12' - 0"

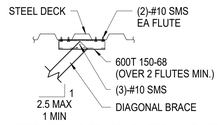
NOTES:

1. JOIST AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (ICC ER-3064P).
2. DESIGN LOADS:
   DEAD LOAD = 20 PSF
3. SEE TYP. CEILING JOIST FRAMING DETAIL 4 / S1.5
5. WHERE JOIST IS CUT, PROVIDE DOUBLE JOIST TO ADJ. CEILING JOIST NEXT TO CUT JOIST (DO NOT CUT MORE THAN ONE JOIST).
6. SEE DETAIL 2 / S1.5 FOR BRACING REQUIREMENTS.

2 S1.5 CEILING JOISTS FLANGE BRACING
SCALE:N.T.S.
REF DET.4 S1.5

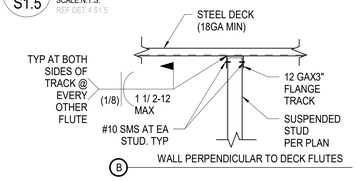


B PARALLEL TO DECK FLUTES (BARE METAL DECK)

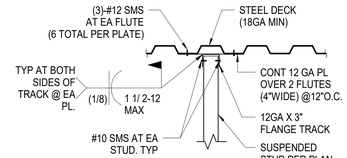


A PERPENDICULAR TO DECK FLUTES (BARE METAL DECK)

3 S1.5 STUD BRACING (INTERIOR ONLY)
SCALE:N.T.S.
REF DET.4 S1.5



B WALL PERPENDICULAR TO DECK FLUTES



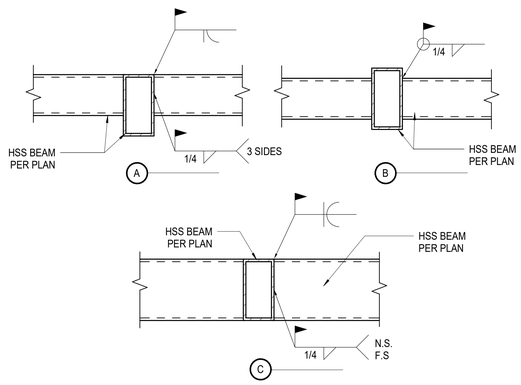
A WALL PARALLEL TO DECK FLUTES

4 S1.5 INTERIOR CEILING FRAMING
SCALE:N.T.S.

5 S1.5 MTL CEILING JOIST SCHED (INTERIOR ONLY)
SCALE:N.T.S.
REF DET.3 S1.5

6 S1.5 WALL BRACE
SCALE:N.T.S.
REF DET.3 S1.5

7 S1.5 SUSPENDED STUD ATTACHMENT
SCALE:N.T.S.
REF DET.3 S1.5



9 S1.5 HSS BEAM TO HSS BEAM CONNECTION
SCALE:N.T.S.
REF DET:1 SS.1

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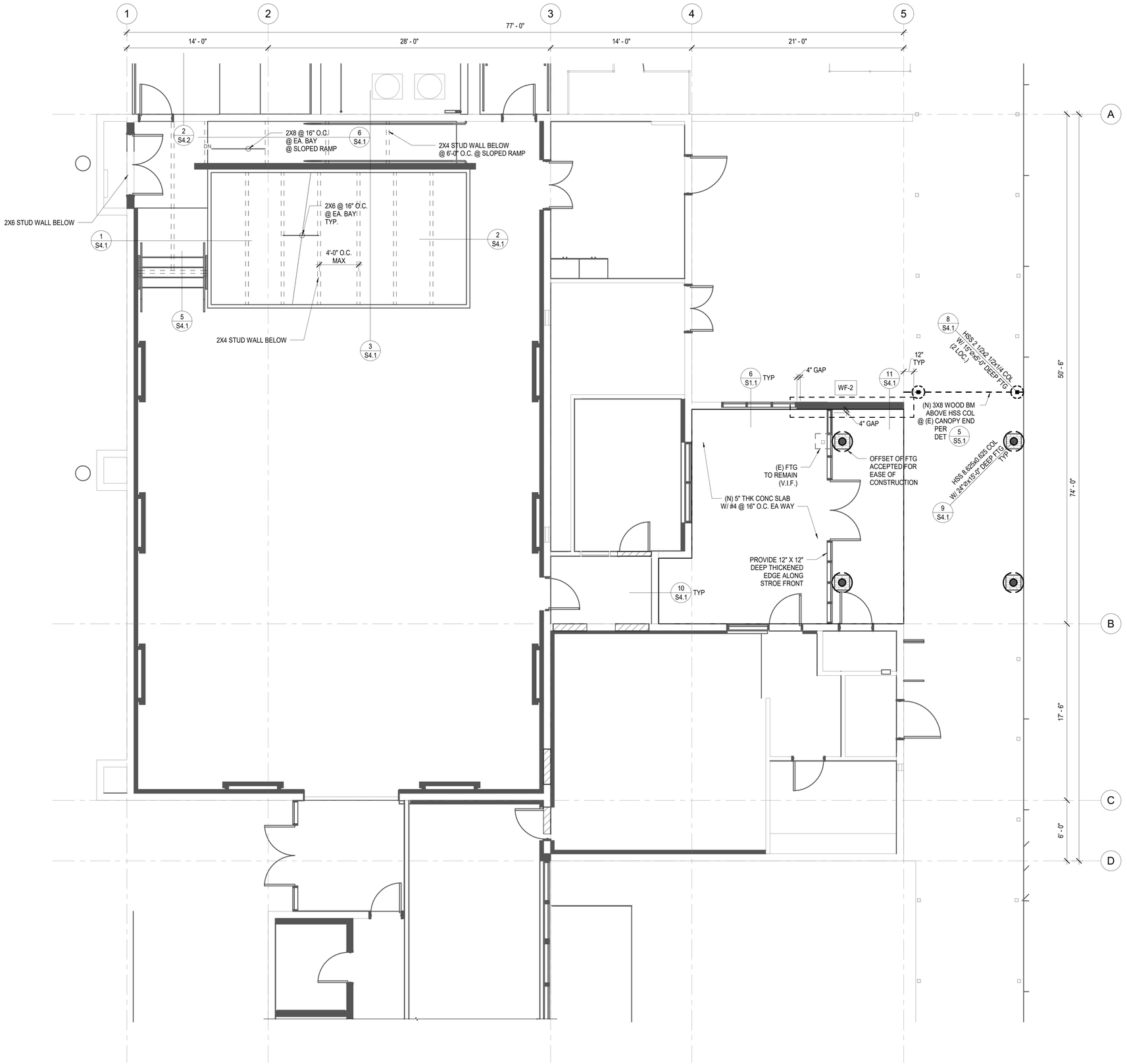
S1.5



1 S2.1 FOUNDATION PLAN - NORTH
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES:

1. FOR GENERAL NOTES, SEE S0.# SERIES.
2. FOR TYPICAL DETAILS, SEE S1.# SERIES.
3. WALL LEGEND:
   - INDICATES (E) WALL TO REMAIN
   - INDICATES NEW WOOD STUD WALL, SEE DET 5 / S1.2
   - INFILL @ (E) OPENING, SEE DET 9 / S1.3
4. WALL FTG SCHEDULE

MARK	WIDTH	DEPTH	LONG	TRANSV.
WF-2	24"	18"	(3) #5 TOP & BOT	#4 @ 12" O.C.

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

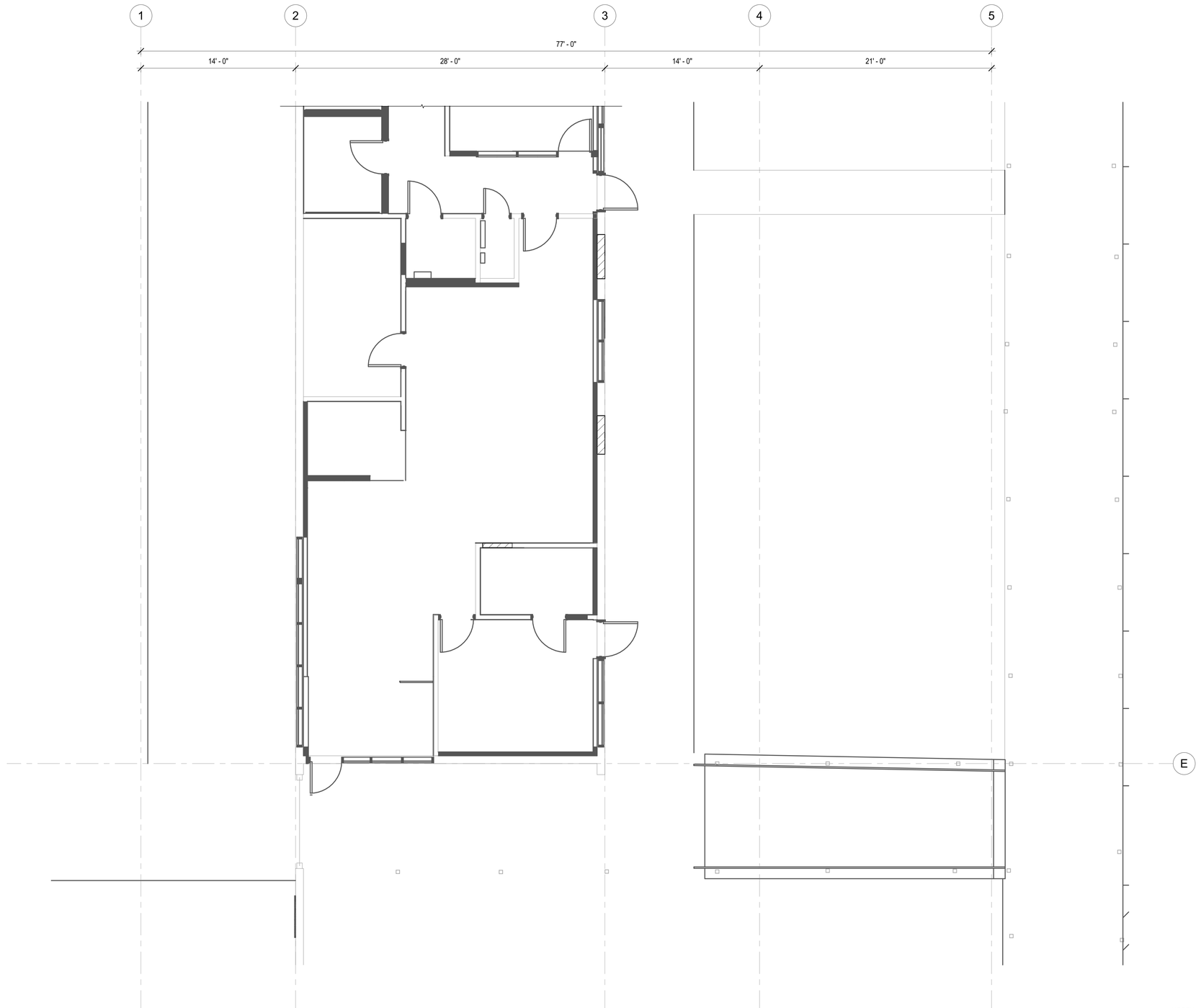
owner

tBP project number: 21206.00
file name:
drawn by: Author checked by: Checker
date: 01/31/2025 3/5/2025 3:14:32 PM

rev:	date:	description:

drawing title:
FOUNDATION PLAN-NORTH

drawing no.:
S2.1



FOUNDATION NOTES:

1. FOR GENERAL NOTES, SEE S0.# SERIES.
2. FOR TYPICAL DETAILS, SEE S1.# SERIES.
3. WALL LEGEND:
   - INDICATES (E) WALL TO REMAIN
   - INDICATES NEW WOOD STUD WALL, SEE DET 5 / S1.2
   - INFILL @ (E) OPENING, SEE DET 9 / S1.3
4. WALL FTG SCHEDULE

MARK	WIDTH	DEPTH	LONG	TRANSV.
WF-2	24"	18"	(3) #5 TOP & BOT	#4 @ 12" O.C.

NORTH

1 / S2.2 FOUNDATION PLAN - SOUTH
SCALE: 1/4" = 1'-0"

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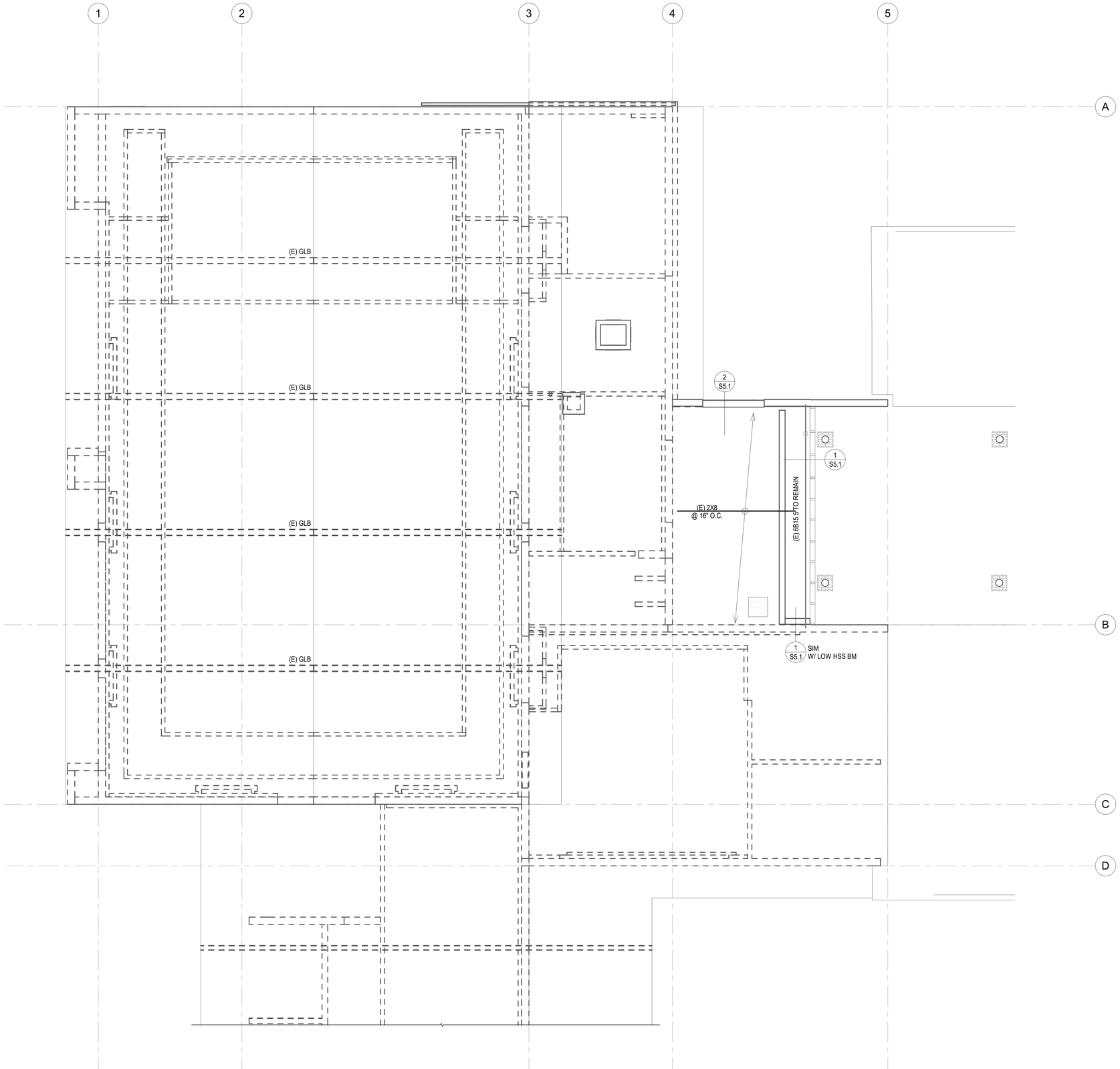
drawing title:
FOUNDATION PLAN-SOUTH

drawing no.:
S2.2



ROOF FRAMING NOTES:

1. FOR GENERAL NOTES, SEE S0.# SERIES.
2. FOR TYPICAL DETAILS, SEE S1.# SERIES.

1 S3.1 ROOF FRAMING PLAN - NORTH

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

NORTH

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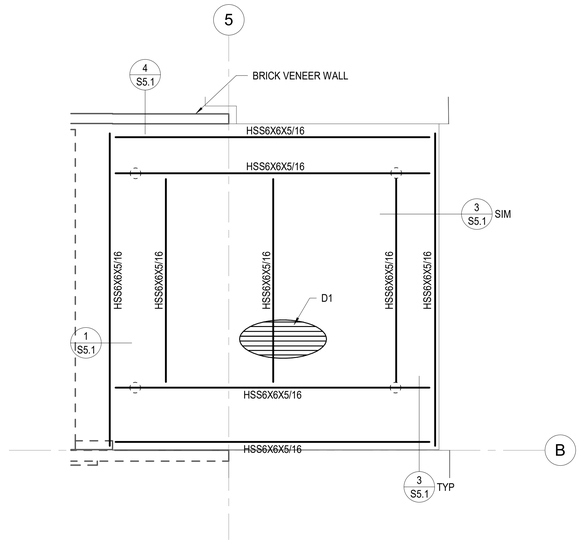
drawing title:

ROOF FRAMING PLAN-NORTH

drawing no.:

S3.1



NORTH

1 S3.2 ROOF FRAMING PLAN - CANOPY

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

ROOF FRAMING NOTES:

1. FOR GENERAL NOTES, SEE S0.# SERIES.
2. FOR TYPICAL DETAILS, SEE S1.# SERIES.
3. DECK SCHEDULE

DECK MARK	TYPE	GAGE	I (IN⁴/FT)	S(STOP+) (IN³/FT)	S(STOP-) (IN³/FT)	TOTAL DEPTH	CONC. FILL TYPE	SIDE SEAM	WELD PATTERN	
									PERP. TO DECK	PARALLEL TO DECK
D1	PLB IAPMO ER-0218	16	0.306	0.314	0.331	1 1/2"	BARE METAL	VSC2 @12"O.C.	36/7	PUDDLE WELDS @ 12" O.C.

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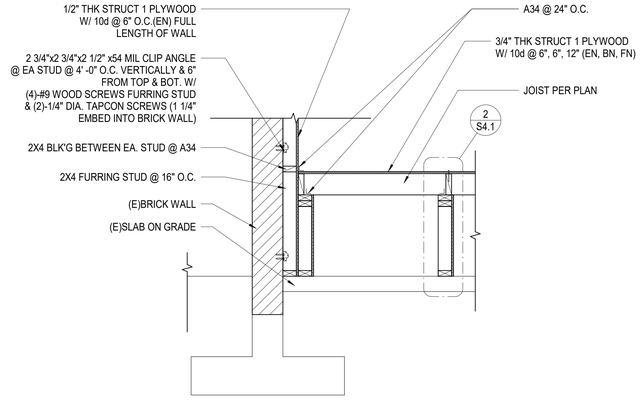
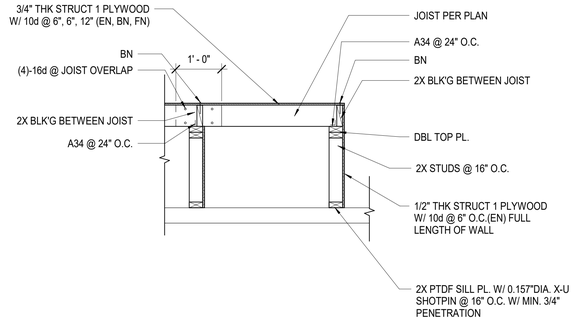
drawing title:
ROOF FRAMING PLAN-CANOPY

drawing no.:
S3.2



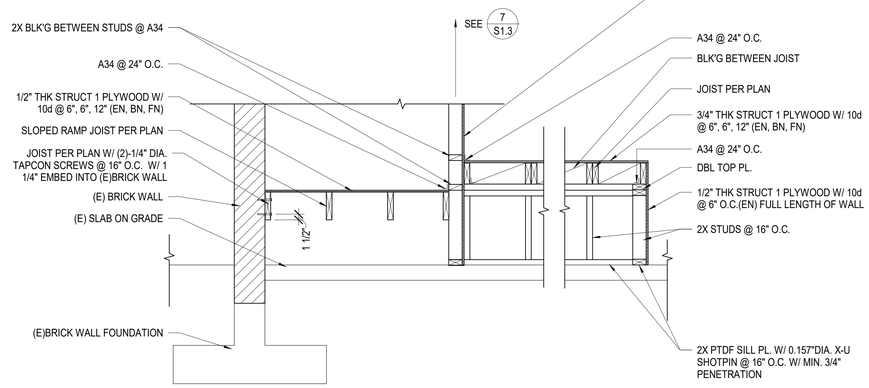
1 / S4.1 STAGE SECTION

SCALE:N.T.S.
REF DET:1 S2.1



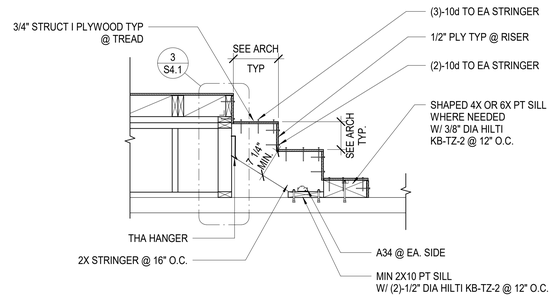
2 / S4.1 STAGE SECTION

SCALE:N.T.S.
REF DET:1 S2.1



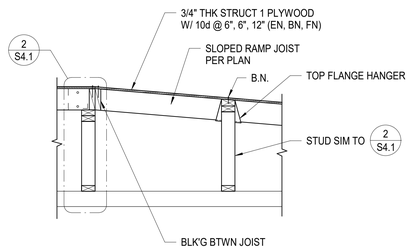
3 / S4.1 STAGE SECTION

SCALE:N.T.S.
REF DET:1 S2.1



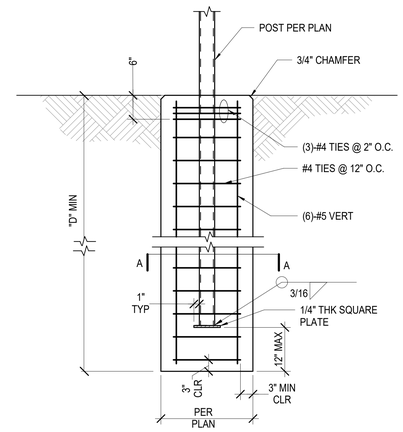
5 / S4.1 STAIR SECTION

SCALE:N.T.S.
REF DET:1 S2.1



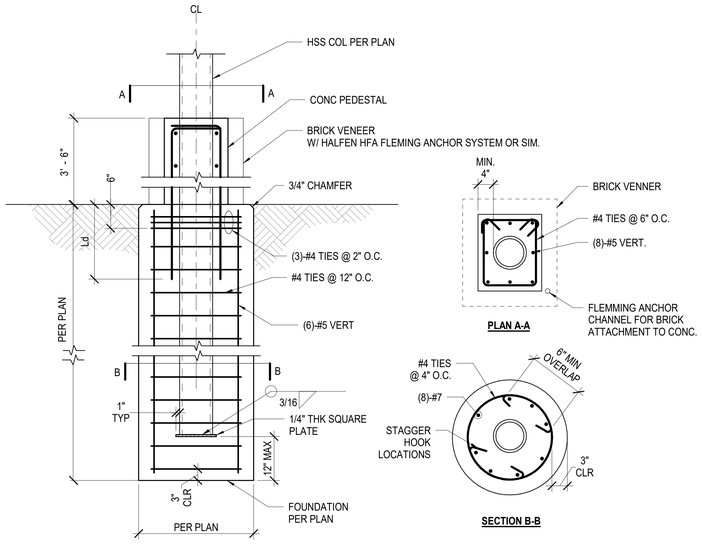
6 / S4.1 RAMP SECTION

SCALE:N.T.S.
REF DET:1 S2.1



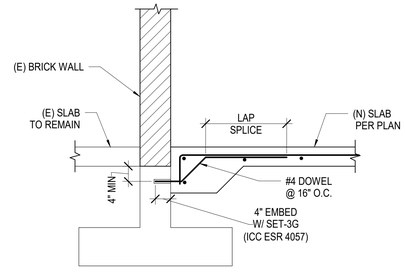
8 / S4.1 (N) POST FOR (E) CANOPY

SCALE:N.T.S.
REF DET:1 S2.1



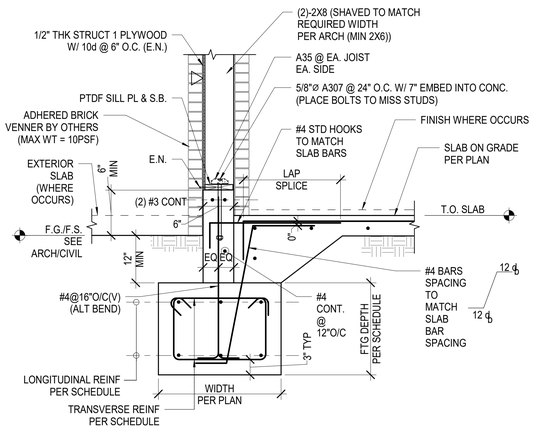
9 / S4.1 FTG REINF

SCALE: 3/4" = 1'-0"
REF DET:1 S2.1



10 / S4.1 (N) S.O.G. TO (E) FTG

SCALE:N.T.S.
REF DET:1 S2.1



11 / S4.1 EXTERIOR WALL FTG

SCALE:N.T.S.
REF DET:1 S2.1

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1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

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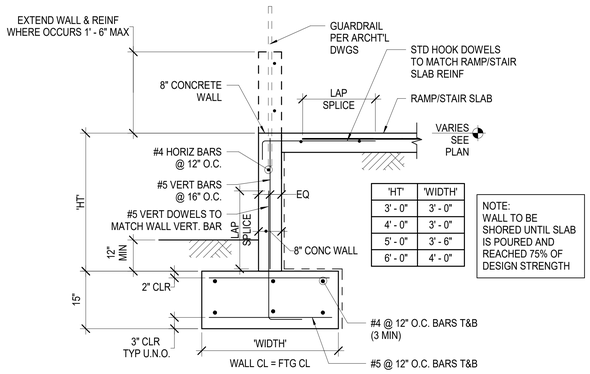
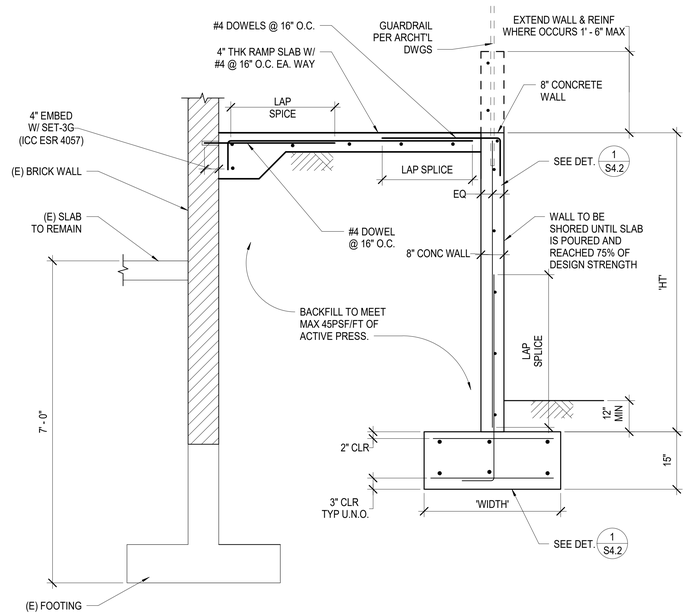
S4.1



1 S4.2 RAMP/STAIR CONC WALL DETAIL

SCALE:N.T.S.

REF DET:2 S4.2



2 S4.2 (N)RAMP TO (E)BRICK WALL

SCALE:N.T.S.

REF DET:1 S2.1

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1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

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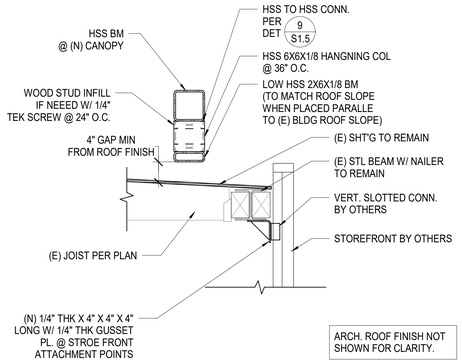
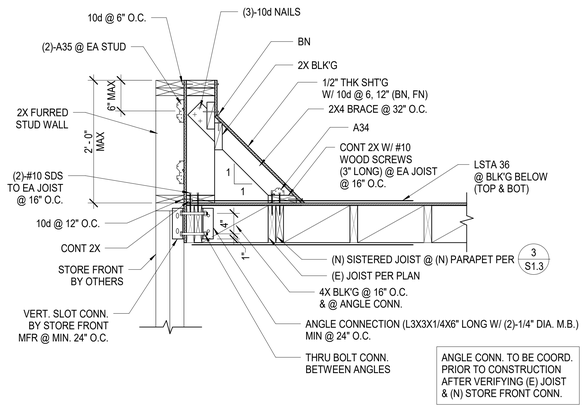
S4.2



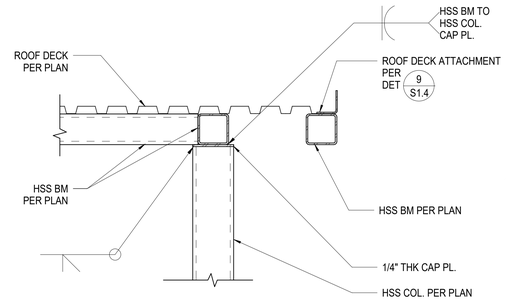
1 S5.1 STOREFRONT @ (E) STL BM

SCALE:N.T.S.
REF DET:1 S3.1



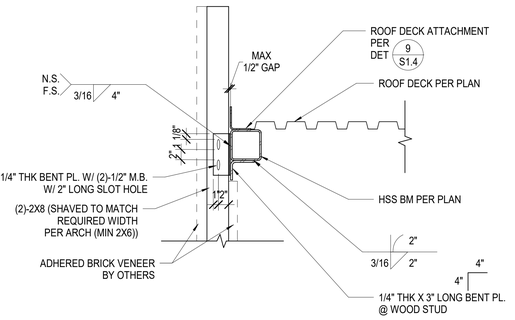
2 S5.1 (N) STORE FRONT WALL SECTION

SCALE:N.T.S.
REF DET:4 S1.5



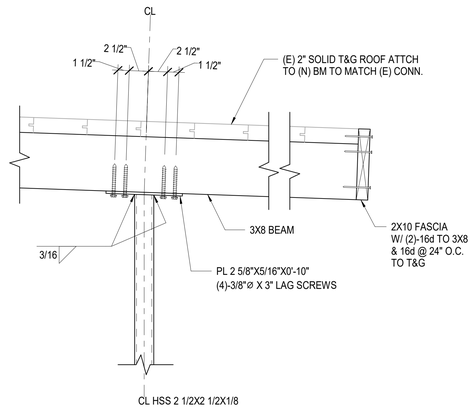
3 S5.1 (N) CANOPY SECTION

SCALE:N.T.S.
REF DET:1 S3.2



4 S5.1 (N) CANOPY SECTION

SCALE:N.T.S.
REF DET:1 S3.2



5 S5.1 TYPICAL COL CAP

SCALE:N.T.S.
REF DET:1 S2.1

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IBP project number: 21206.00

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FRAMING DETAILS

drawing no.:

S5.1

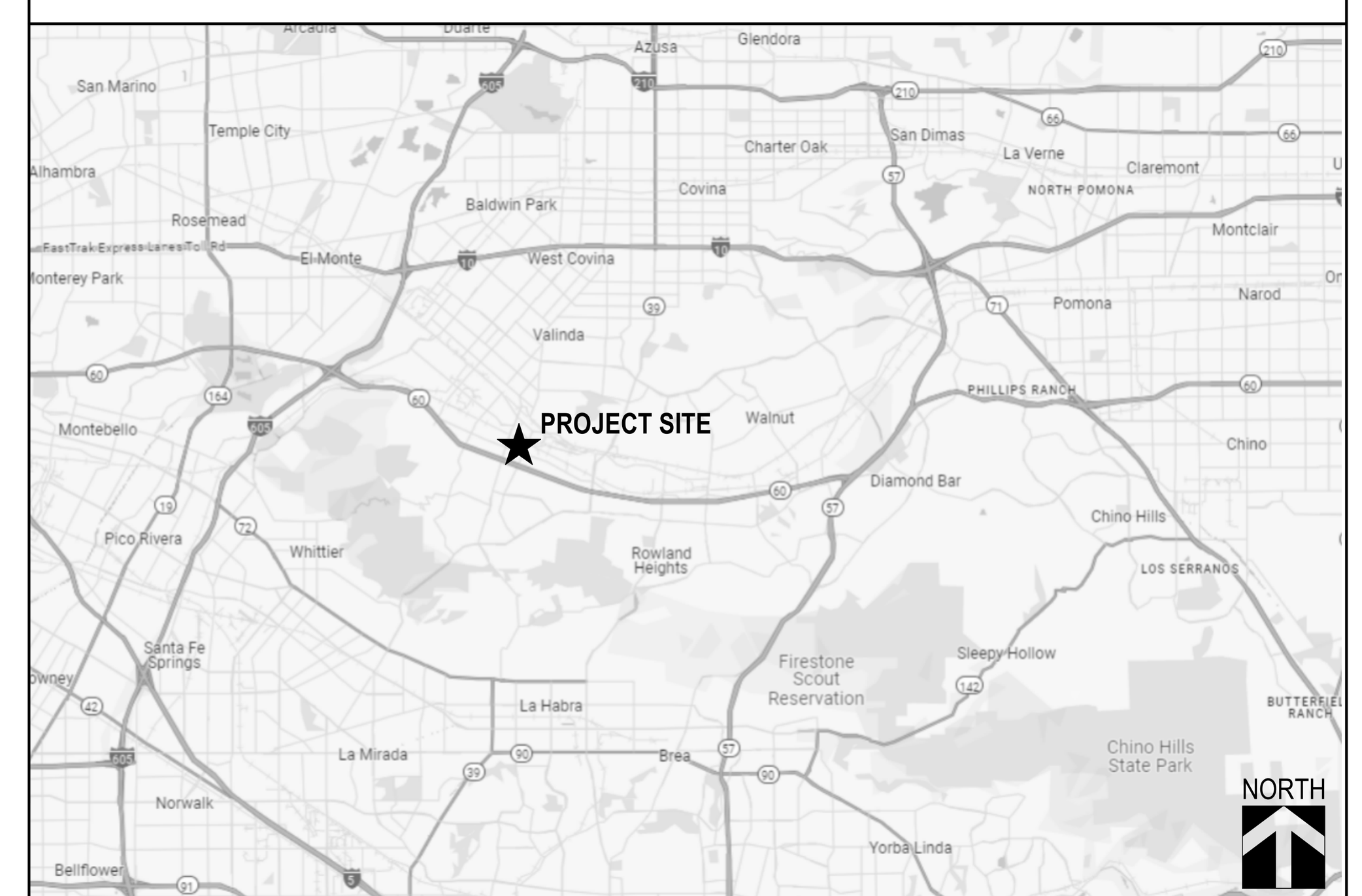
DIBBLE ADULT SCHOOL
ADMINISTRATION BUILDING RENOVATION

HACIENDA LA PUENTE
ADULT EDUCATION
LEARNING UNLIMITED

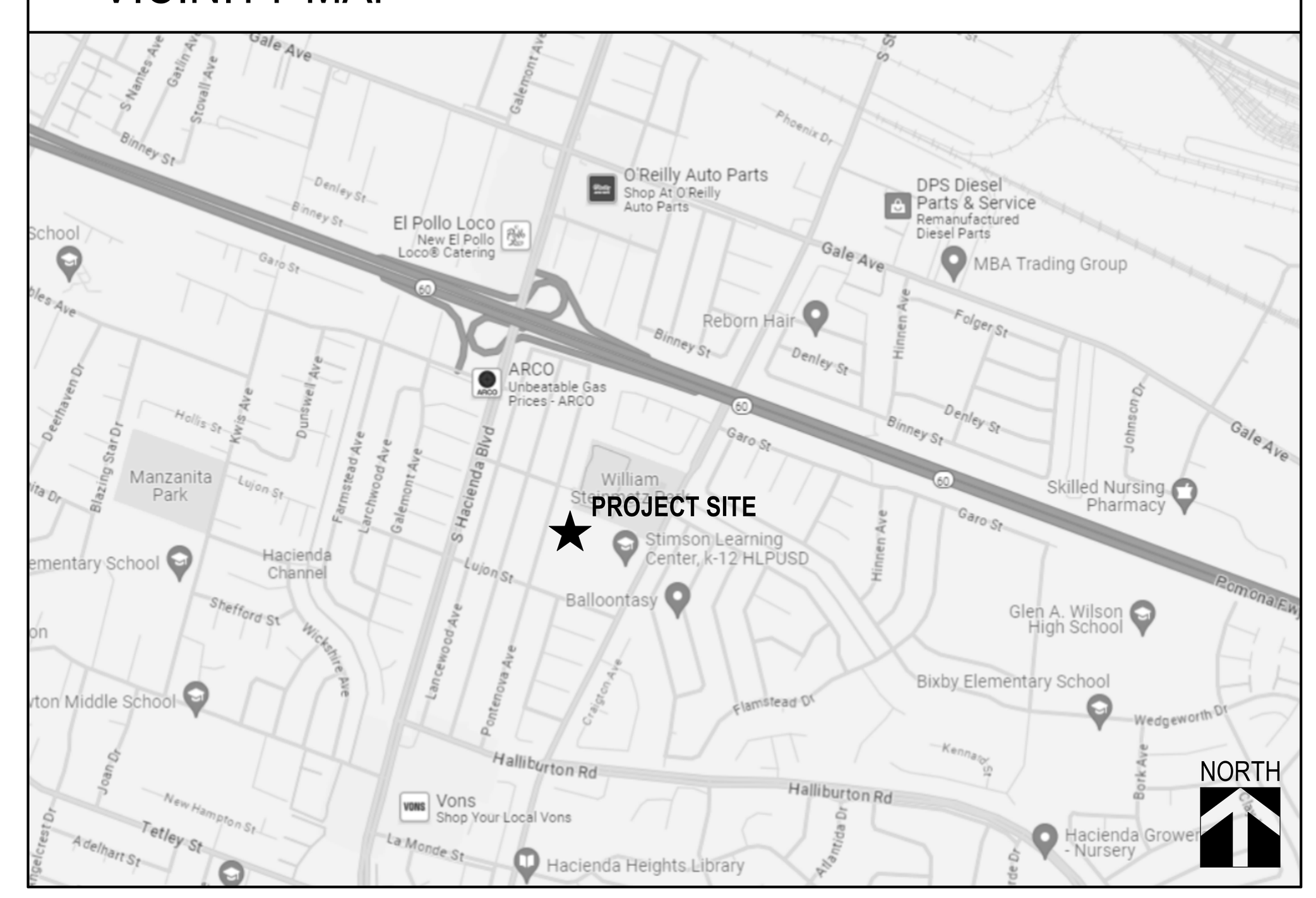
1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

REGIONAL MAP



VICINITY MAP



tBP / Architecture

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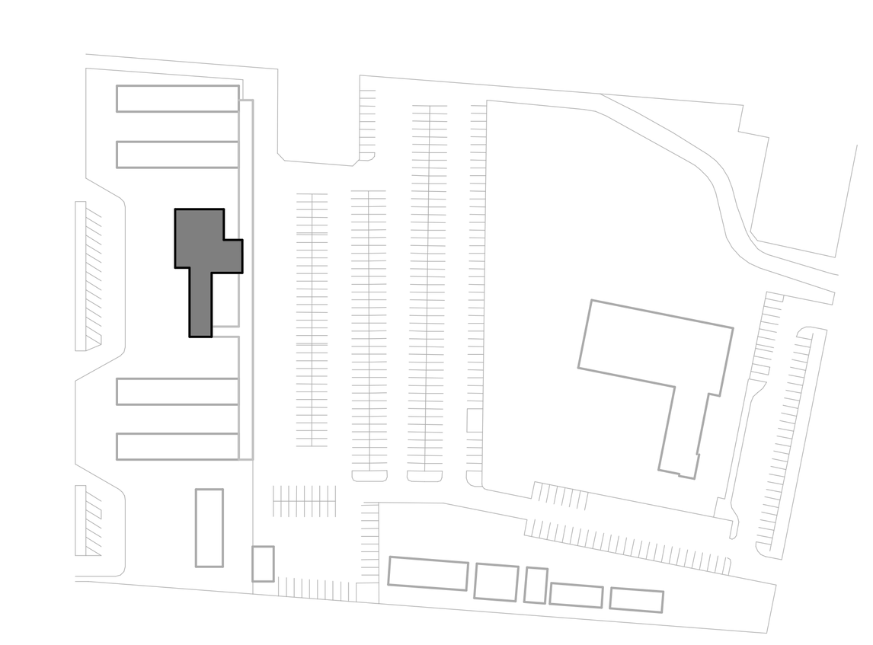

KEY PLAN

architecture
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interiors

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file name:

drawn by: B.Cerda checked by: D.F.

date: 02.28.2025 2/28/2025 10:39:18 AM

rev:	date:	description:

drawing title:

COVER SHEET

drawing no.:

T-1

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
Ø	DIAMETER OR ROUND
#	NUMBER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACT	ACOUSTICAL TILE
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADH	ADHESIVE
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AFP	ACCORDIAN FOLDING PARTITION
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AMP	AMPERE
ANOD	ANODIZED
APPROX	APPROXIMATELY
ARCH	ARCHITECT
ASB	ASBESTOS
ASSY	ASSEMBLY
BAT	BATTERY
BBD	BULLETIN BOARD
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLO	BLOWER
BLR	BOILER
BLW	BELOW
BM	BEAM
BO	BOTTOM OF
BRKR	BREAKER
BUR	BUILT UP ROOF
BTU	BRITISH THERMAL UNIT
CAB	CABINET
CARP	CARPET
CAT	CATALOG
CB	CATCH BASIN
CEM	CEMENT
CF	CURB FACE
CFM	CUBIC FEET PER MINUTE
CHBD	CHALKBOARD
CHEM	CHEMICAL
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CIR	CIRCLE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLRM	CLASSROOM
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CO	CLEANOUTS
COL	COLUMN
COMM	COMMUNICATION
COMP	COMPOSITION
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
COV	COVER
CP	CONTROL PANEL
CR	CONDENSATE RETURN
CSWK	CASEWORK
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CW	COLD WATER
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP.	DISPENSER
DIST.	DISTANCE
DIV.	DIVISION
D.L.	DEAD LOAD
DN.	DOWN
DS.	DOWN SPOUT
DWG.	DRAWING
EA.	EACH
EL	EASEMENT LINE
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EMER.	EMERGENCY
ENCL.	ENCLOSURE
ENG	ENGINEER
ENGY	ENERGY
ENTR	ENTRANCE
EP	EPOXY ENAMEL
EPG	EPOXY PAINT GLOSS
EPSG	EPOXY PAINT SEMI-GLOSS
EQ.	EQUAL
EQUIP.	EQUIPMENT
EST.	ESTIMATE
E.W.C.	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F	FACTORY FINISH
F.A	FIRE ALARM
FC	FOOTCANDLE
F.D.	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FFP	FOLDING FABRIC PARTITION
F.G.	FINISH GRADE
F.H.	FIRE HYDRANT
FIN.	FINISH
FIN. FLR.	FINISH FLOOR
FLASH.	FLASHING
FLR.	FLOOR
FLUOR.	FLUORESCENT
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUD
FPP	FOLDING PANEL PARTITION
FPW	FOLDING PANEL WOOD DOOR
F.R.A.	FIRE RATED ASSEMBLY
F.R.P.	FIBERGLASS REINFORCED PANEL
F.S.	FLOOR SINK
FT.	FOOT OR FEET
FTG.	FOOTING
FURR.	FURRING
FXTR.	FIXTURE
GA.	GAGE
GALV.	GALVANIZED
GB	GRAB BAR
G.F.R.C.	GLASS FIBER REINFORCED CEMENT
GL.	GLASS
GLU.LAM.	GLUE LAMINATED
GND.	GROUND
GPM	GALLONS PER MINUTE
GR.	GRADE
G.R.G.	GLASSFIBREFORCED GYPSUM
GYP.	GYPSUM
H.B.	HOSE BIB
HCN	HOLLOW CORE NATURAL FINISH
HCP	HOLLOW CORE PAINT FINISH
HDBD.	HARDBOARD
HDR	HEADER
HDW.	HARDWARE
HDWD.	HARDWOOD
HGT.	HEIGHT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HP	HORSEPOWER
HR.	HOUR
HSTAT	HUMIDISTAT
HTG.	HEATING
HTWR	HOT WATER RETURN
HTWS	HOT WATER SUPPLY
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
IW	IRRIGATION WATER
JAN.	JANITOR
JCT.	JUNCTION
JT.	JOINT
K	KIP (1000 LB)
KIT.	KITCHEN
KO	KNOCKOUT
KVA	KILOVOLT AMPERE
LAB.	LABORATORY
LAV.	LAVATORY
LB.	POUND
LDG	LANDING
LL	LIVE LOAD
LT	LIGHT
LTG	LIGHTING
LVL	LEVEL
LVR	LOUVER
LM	LAMINATE
M	METER
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MATL	MATERIAL
MAX.	MAXIMUM
M.C.	MEDICINE CABINET
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MFR.	MANUFACTURER
MH	MANHOLE
MIN.	MINIMUM
MIR	MIRROR
MISC.	MISCELLANEOUS
MKR	MARKER
MTL.	METAL
MTD.	MOUNTED
MUL.	MULLION
MVBL	MOVABLE
N.	NORTH
NAT.	NATURAL
NEG	NEGATIVE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.A.	OVERALL
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OVERFLOW DRAIN
OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED-OWNER INSTALLED
OPNG.	OPENING
OPP.	OPPOSITE
OVHD	OVERHEAD
PART.	PARTITION
PB	PULL BOX
PBD	PARTICLEBOARD
PC	PORTLAND CEMENT
PO	POLISHED
PERF	PERFORATED
PERP	PERPENDICULAR
PE	PAINT EGGSHELL
PF	PAINT FLAT
PG	PAINT GLOSS
PH	PHASE
PIV	POST INDICATOR VALVE
P.L.	PROPERTY LINE
PLAS.	PLASTER
PLAT.	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD.	PLYWOOD
PNL	PANEL
POS	POSITIVE
PP	PORTABLE PARTITION
PR.	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRELIM	PRELIMINARY
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSG	PAINT SEMI-GLOSS
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
Q.T.	QUARRY TILE
QTY	QUANTITY
R.	THERMAL RESISTANCE
RAD.	RADIUS
R.D.	ROOF DRAIN
RDWD.	REDWOOD
REF.	REFERENCE
REFR.	REFRIGERATOR
REG.	REGISTER
REINF.	REINFORCING
REQD.	REQUIRED
RESIL.	RESILIENT
RET	RETURN
REV.	REVERSE
RFG	ROOFING
RM.	ROOM
R.O.	ROUGH OPENING
S	SEALER
S.B.	SPLASH BLOCK
S.C.	SOLID CORE
SCN	SOLID CORE
S.C.	SOLID CORE
SCHED.	SCHEDULE
S.C.	SOLID CORE
S.C.	SOLID CORE
S.D.	STORM DRAIN
SECT.	SECTION
SF	STAIN FINISH
SFL	STAIN FINISH W/ LACQUER
SFV	STAIN FINISH W/ VARNISH
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SPLY	SUPPLY
SQ.	SQUARE
SR	STEAM RETURN
SS	STEAM SUPPLY
S.SK.	SERVICE SINK
SST.	STAINLESS STEEL
ST	STREET
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD.	STANDARD
STL.	STEEL
STM	STEAM
STOR	STORAGE
STRUCT.	STRUCTURAL
SURF	SURFACE
SUSP.	SUSPENDED
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SWR	SEWER
SYM.	SYMBOL
SYS	SYSTEM
T.	THERMOSTAT
T. & B.	TOP AND BOTTOM
T. & G.	TONGUE AND GROOVE
T.C.	TOP OF CURB
TCN	TOP OF CONCRETE
TG	TOP OF GRATE
TW	TOP OF WALL
TD	TRENCH DRAIN
TECH	TECHNICAL
TEL.	TELEPHONE
TEMP.	TEMPERATURE
THK	THICK
THRES.	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
TOT	TOTAL
TR.	TREAD
TRNSF.	TRANSFORMER
TYP.	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UGND	UNDERGROUND
UNFIN.	UNFINISHED
U.N.O.	UNLESS NOTED OTHERWISE
U.O.S.	UNDERSIDE OF STRUCTURE
UPG	URETHANE PAINT GLOSS
UPSG	URETHANE PAINT SEMI-GLOSS
UR.	URINAL
UTIL	UTILITY
UP	UNPOLISHED
V	VOLT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
W	WATT
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
WDW.	WINDOW
WHSE	WAREHOUSE
WL	WIND LOAD
WLD	WELDED
WP	WORKING POINT
WPG	WATERPROOFING
WR	WATER RESISTANT
WSCT.	WAINSCOT
WT	WEIGHT
W.W.F.	WELDED WIRE FABRIC
XFMR	TRANSFORMER

SHEET INDEX

APPLICABLE CODES

APPLICABLE CODES AS OF JANUARY 1, 2024:

2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2022 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

2022 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2022 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2022 CALIFORNIA ENERGY CODE (C.E.C.), PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

2022 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

NFPA 13	AUTOMATIC SPRINKLER SYSTEM (CALIFORNIA AMENDED)	2022 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	STATIONARY PUMPS	2022 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVE	2022 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2023 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CALIFORNIA AMENDED)	2022 EDITION

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR.).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT (CCD).
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PROVIDED.
7. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE, OR OTHERWISE INHIBIT THE USE OF THE REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS, AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND OR PERSONNEL.
8. VERIFY DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS, EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION AND ARE NOT GUARANTEED TO BE ACCURATE.
9. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENT OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
10. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS NOTED OTHERWISE.
11. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM THE DRAWINGS.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUB-DIVIDE THE WORK IN THE MANNER NECESSARY.
13. CONTRACTOR SHALL COOPERATED WITH THE OWNER PROVIDED TESTING LAB TO OBTAIN TEST SAMPLES. INSPECTOR SHALL HAVE FULL ACCESS TO THE WORK AT ALL TIMES.
14. CONTRACTOR'S SAFETY BARRICADE (TEMPORARY FENCING) SHALL PROTECT PUBLIC FROM CONSTRUCTION ACTIVITIES. THE SAFETY BARRICADE SHALL PROTECT AND SECURE THE CONSTRUCTION AREA AND SECURE STORAGE YARDS. SAFETY BARRICADE AND OTHER TEMPORARY FENCING SHALL BE APPROVED BY THE DISTRICT PRIOR TO INSTALLATION.
15. CONTRACTOR SHALL STOP WORK AND NOTIFY THE ARCHITECT IMMEDIATELY IF ANY ASBESTOS CONTAINING MATERIAL OR SUSPECTED ASBESTOS CONTAINING MATERIAL IS FOUND DAMAGED OR DISTURBED.
16. CONTRACTOR SHALL PROTECT AND SAFEGUARD FROM DAMAGE EXISTING ELEMENTS TO REMAIN. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
17. FIRE SAFETY DURING CONSTRUCTION: COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA FIRE CODE FOR SAFETY DURING DEMOLITION AND CONSTRUCTION.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE NON-STRUCTURAL INTERIOR REMODEL OF THE (E) 1-STORY ADMINISTRATION BUILDING, CONSISTING OF INTERIOR DEMOLITION, SECLECTIVE SITE DEMOLITION, NEW CONFERENCE HALL, RECEPTION, ADMINISTRATIVE OFFICES, SUPPORT SPACE, RESTROOMS, ENTRY CANOPY, HVAC UPGRADES, AND SITE IMPROVEMENTS.

BID ALTERNATES

PROJECT CONSISTS OF TWO (2) BID ALTERNATES:

1. BID ALTERNATE NUMBER 1: COVERED WALKWAY, INCLUDING RELACEMENT OF (E) 2X8 WOOD FASCIAS, T&G DECKING, AND PAINTING, SEE AS-3.
2. BID ALTERNATE NUMBER 2: SEE AS-1 AND AS-2 - ADA UPGRADES INCLUDING RAMP 1, RECONFIGURING (E) PERIMETER CHAIN LINK FENCE FOR INSTALLATION OF NEW CONCRETE RAMP 2, NEW CONCRETE PAVING, AND ACCESSIBLE PARKING.

REFERENCE SYMBOLS

SECTION REFERENCE

NUMBER ABOVE - SECTION NUMBER
NUMBER BELOW - SHEET NUMBER

ELEVATION REFERENCE

NUMBER ABOVE - ELEVATION NUMBER
NUMBER BELOW - SHEET NUMBER

DETAIL REFERENCE

NUMBER ABOVE - DETAIL NUMBER
NUMBER BELOW - SHEET NUMBER

ROOM IDENTIFICATION

SPACE NUMBER
INTERIOR ELEVATION NUMBER
SHEET NUMBER OF INTERIOR ELEVATION

INTERIOR ELEVATION IDENTIFICATION

WALL VIEWED
SPACE NUMBER

ACCESSORY IDENTIFICATION

DENOTES TOILET ROOM ACCESSORIES

CASEWORK IDENTIFICATION

HEIGHT
DEPTH
CASEWORK MODEL
WIDTH
LOCK

DOOR IDENTIFICATION

REFER TO DOOR SCHEDULE

WINDOW IDENTIFICATION

REFER TO WINDOW DETAILS

COLOR REFERENCE

REFER TO COLOR SCHEDULE SHEET 9.00

WALL TYPES

MASONRY WALL

WOOD STUD WALL

WALL - 1 HR RATED

WHEELCHAIR IDENTIFICATION

30" x 48" CLR. FLOOR SPACE
34" MAX. A.F.F. COUNTERTOP
30"W X 27"H X 19"D CLR. KNEE SPACE MIN.

GENERAL REQUIREMENTS

1. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT WORK OF THE ALERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.), SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED IN THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK.
2. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THEA PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A CLASS INSPECTOR (CONFORMINGTO CLASSIFICATION CRITERIA AS PROVIDED IN INTERPRETATION OF REGULATIONS [IR] A-7 DATED SEPTEMBER 18, 2007) WHO IS SPECIALLY QUALIFIED IN MECHANICAL & ELECTRICAL WORK WILL BE REQUIRED FOR THIS PROJECT.
3. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
4. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

PROJECT DIRECTORY

OWNER
HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT
15959 E. GALE AVE.,
CITY OF INDUSTRY, CA 91745
PHONE NO. - (626) 933-1000

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FPL & ASSOCIATES
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PHONE NO. - (949) 252-1688

STRUCTURAL ENGINEER
VCA ENGINEERS, INC.
2151 MICHELSON DR., SUITE 242
IRVINE, CA 92612
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FBA ENGINEERING
3420 IRVINE AVE.
NEWPORT BEACH, CA 92660
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MECHANICAL AND PLUMBING
POCOCK DESIGN SOLUTIONS
14451 CHAMBERS ROAD, STE 210
TUSTIN, CA 92780
PHONE NO. - (949) 417-3903

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consultant

ADMINISTRATION BUILDING RENOVATION
DIBBLE ADULT SCHOOL
1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745
HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

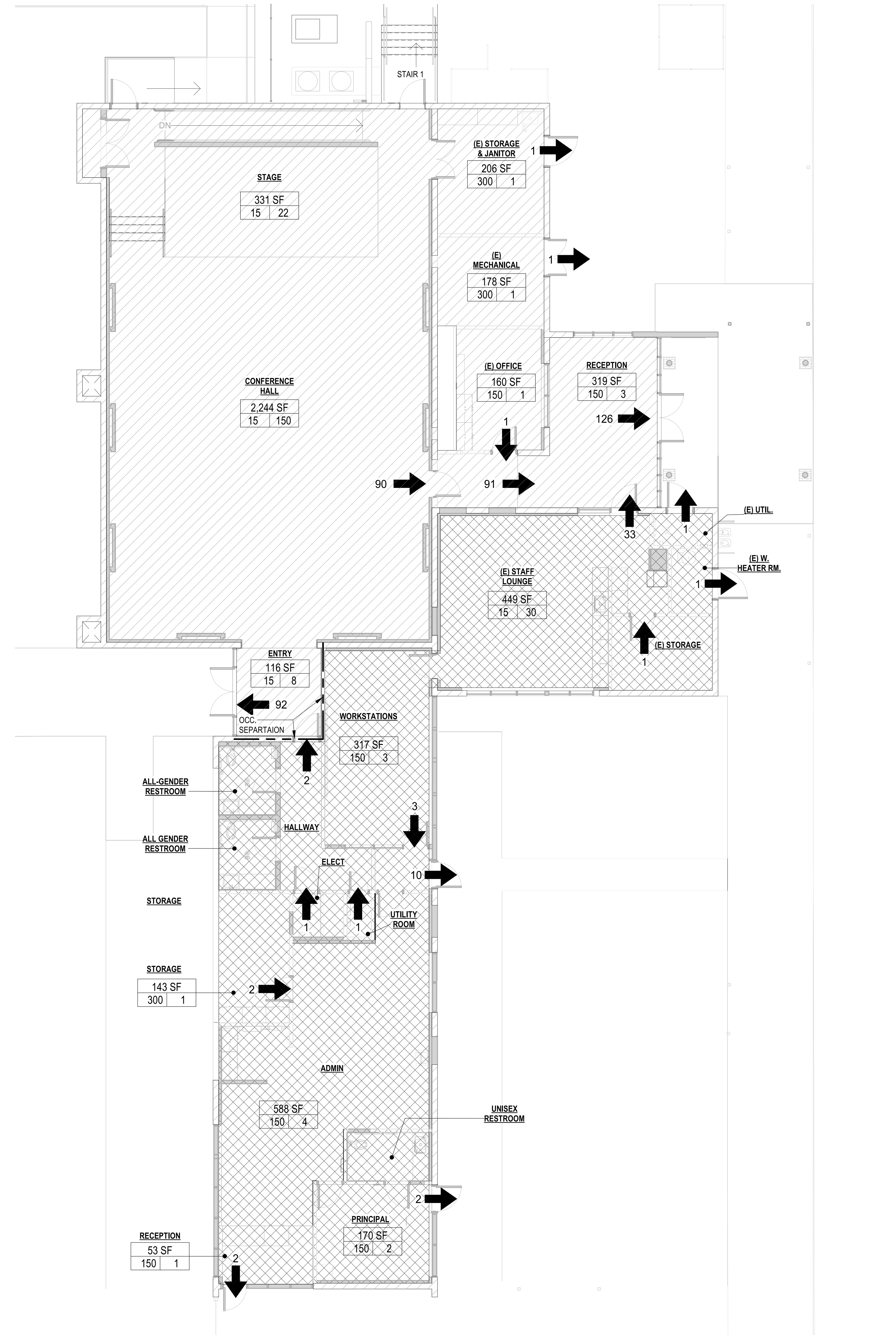
owner

tBP project number: 21206.00
file name:
drawn by: Author checked by: D.F.
date: 02.28.2025

rev: date: description:

drawing title:
INDEX SHEET

drawing no.:
T-2



CODE ANALYSIS - ADMIN / MULTI-PURPOSE UNIT "A" (1)

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

0' 2' 4' 8' 16'

NORTH

CODE ANALYSIS

BUILDING

(E) BUILDING

OCCUPANCY GROUP:	A-2 & B
BUILDING CONSTRUCTION:	TYPE V-B, UNSPRINKLERED
EXT. WALL FIRE RATING:	0 HR.
OCCUPANCY SEPARATION REQUIRED: PER TABLE 508.4	2 HR

ALLOWABLE HEIGHT PER TABLE 504.3 & 504.4	ALLOWABLE	ACTUAL
NUMBER OF STORIES (A-2 & B)	1	1
BUILDING HEIGHT (A-2 & B)	40'-0"	16'-7"

ALLOWABLE BUILDING AREA	
BASIC ALLOWABLE AREA A(t) PER TABLE 506.2	A-2: 6,000 S.F. B: 9,000 S.F.
FRONTAGE INCREASE:	NOT USED
SPRINKLER INCREASE:	NOT USED
TOTAL ALLOWABLE AREA A(a): A(t) + (NS X I(f)) MIXED OCCUPANCY	A-2: 6,000 S.F. B: 9,000 S.F.
MIXED OCCUPANCY RATIO: 3812/6000 + 2665/9000 0.64 + 0.30 = 0.94 < 1	
ACTUAL BUILDING AREA:	6,700 S.F.

LEGEND

OCCUPANT LOAD SYMBOL

960 SF
20 | 48

OCCUPIED AREA
OCCUPANT LOAD SYMBOL
NUMBER OF OCCUPANTS
OCCUPANT LOAD FACTOR

A-2 OCCUPANCY

B OCCUPANCY

MEANS OF EGRESS CALCULATION SYMBOL

EXIT DIRECTION
48 NUMBER OF OCCUPANTS EXITING

TWO HOUR OCCUPANY SEPARATION

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ADMINISTRATION BUILDING RENOVATION DIBBLE ADULT SCHOOL

1600 PONTENOVA AVE, HACIENDA HEIGHTS, CA 91745

HACIENDA LA PUENTE UNIFIED SCHOOL DISTRICT

owner

tBP project number: 21206.00

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drawn by: Author checked by: D.F.

date: 02.28.2025 2/27/2025 2:58:25 PM

rev:	date:	description:

drawing title:

CODE ANALYSIS

drawing no.:

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