

BRYAN ISD SFA ANNEX CLASSROOM REMODEL

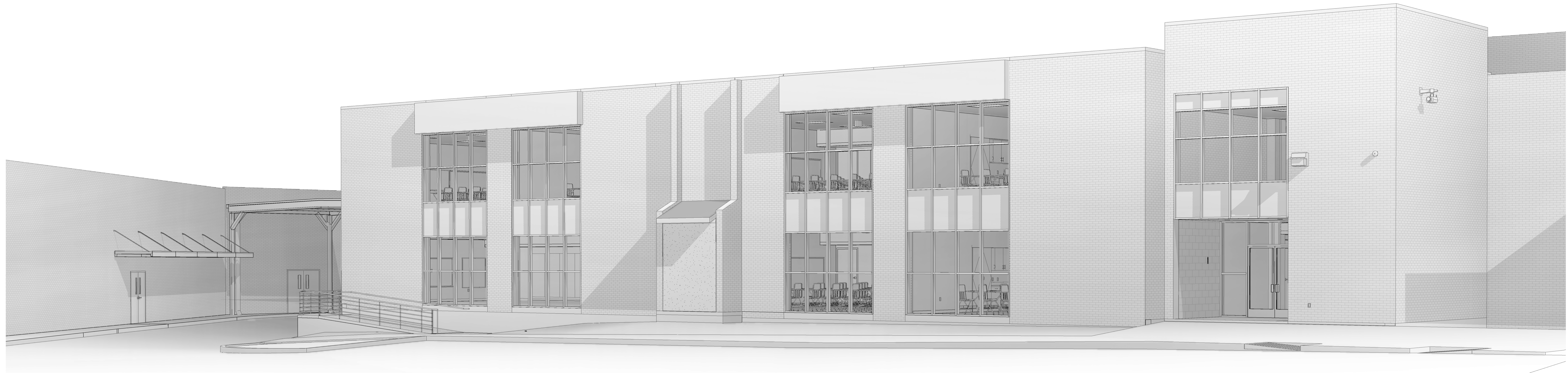


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PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION

99% REVIEW

REVISIONS	
NUMBER	DATE



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SHEET LIST - STRUCTURAL	
SHEET NUMBER	SHEET NAME
S000	GENERAL NOTES
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S100	RAMP DETAILS
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SHEET LIST - MECHANICAL	
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SHEET LIST - ELECTRICAL	
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P601	PLUMBING RISER
P701	PLUMBING SCHEDULES

BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803

COVER SHEET

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A000



TYPICAL CLASSROOM



TYPICAL CLASSROOM



DANCE ROOM



RESTROOM AREA

REVISIONS	
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STRUCTURAL STATEMENT OF SPECIAL INSPECTIONS & TESTING

- SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17).
- THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL. DUDLEY DUNHAM ENGINEERING CAN BE SOLICITED TO PROVIDE SPECIAL INSPECTIONS. WE RECOMMEND THAT THE PROJECT GEOTECHNICAL ENGINEER BE SOLICITED TO PROVIDE SPECIAL INSPECTIONS FOR THE SOILS AND TESTING FOR THE SOIL AND CONCRETE.
- DUTIES OF THE SPECIAL INSPECTOR:
 - THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE IBC.
 - THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE EOR, CONTRACTOR, OWNER AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE EOR AND THE BUILDING OFFICIAL.
 - ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.
- DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:
 - THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS STATEMENT OF SPECIAL INSPECTIONS.
 - THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
 - ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.
- PLEASE SEE THE SPECIAL INSPECTION SCHEDULE FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.
- REFER TO ARCHITECTURAL AND/OR MEP DRAWINGS FOR ADDITIONAL SPECIAL INSPECTION REQUIRED. DUDLEY ENGINEERING HAS LISTED THE STRUCTURAL SPECIAL INSPECTIONS AND TESTING.

WIND-RESISTING COMPONENTS (1705.1.3)
PERIODIC SPECIAL INSPECTION IS REQUIRED FOR FASTENING OF THE FOLLOWING SYSTEMS AND COMPONENTS:
1. ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS
2. EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING

REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE 1705.6)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X	YES
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIALS	-	X	YES
PERFORM CLASSIFICATION AND TESTING OF COMPACTED MATERIALS	-	X	YES
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACT OF COMPACTED FILL	X	-	YES
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THE SITE HAS BEEN PREPARED PROPERLY	-	X	YES

REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (TABLE 1705.8)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	-	YES
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STYRIAL CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	-	YES
FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH CONCRETE SPECIAL INSPECTIONS.	-	-	YES

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (TABLE 1705.3)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT	-	X	YES
INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN USED OR STRENGTH DESIGN IS USED.	-	X	YES
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	-	X	YES
VERIFYING USE OF REQUIRED MIX DESIGN	-	X	YES
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	YES
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	YES
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES	-	X	YES
APPLICATION OF PRESTRESSING FORCES	X	-	NO
ERECTION OF PRECAST CONCRETE MEMBERS	-	X	NO
VERIFICATION OF INSITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	YES
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	YES

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL CONSTRUCTION (1705.2.1)

STRUCTURAL STEEL - GENERAL	CONTINUOUS	PERIODIC	REQUIRED
THE SPECIAL INSPECTOR SHALL INSPECT THE FABRICATED OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACKETS, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-	-	YES

STRUCTURAL STEEL - ANCHOR RODS / EMBED PLATES

STRUCTURAL STEEL - ANCHOR RODS / EMBED PLATES	CONTINUOUS	PERIODIC	REQUIRED
THE SPECIAL INSPECTOR SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR RODS OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE.	-	-	YES

STRUCTURAL STEEL - WELDS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
INSPECTION TASKS PRIOR TO WELDING (ASCC 300 TABLE NS-4.1)			
WELDING PROCEDURE SPECIFICATION (WPS) AVAILABLE	X	-	YES
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	-	YES
MATERIAL IDENTIFICATION (TYPE / GRADE)	-	X	YES
WELDER IDENTIFICATION SYSTEM	-	X	YES
FIT-UP GROOVE WELDS	-	X	NO
CONFIGURATION AND FINISH OF ACCESS HOLES	-	X	NO
FIT-UP FILLET WELDS	-	X	YES
CHECK WELDING EQUIPMENT	-	X	YES
INSPECTION TASKS DURING WELDING (ASCC 300 TABLE NS-4.2)			
USE OF QUALIFIED WELDERS	-	X	YES
CONTROL AND HANDLING OF WELDING CONSUMABLES	-	X	YES
NO WELDING OVER CRACKED TACK WELDS	-	X	YES
ENVIRONMENTAL CONDITIONS (WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE)	-	X	YES
WPS FOLLOWED	-	X	YES
<ul style="list-style-type: none"> SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS WELDING GAS TYPE / FLOW RATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN MAX) PROPER POSITION (F, V, H, OH) 	-	X	YES
WELDING TECHNIQUES	-	X	YES
<ul style="list-style-type: none"> INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEET QUALITY REQUIREMENTS 	-	X	YES
WELDS CLEANED	-	X	YES
SIZE, LENGTH AND LOCATION OF WELDS	X	-	YES
WELDS MEET VISUAL ACCEPTANCE CRITERIA	X	-	YES
<ul style="list-style-type: none"> CRACK PROHIBITION WELD BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POSSIBLY 	X	-	YES
ARC STRIKES	X	-	YES
√AREA	X	-	YES
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	-	YES
REPAIR ACTIVITIES	X	-	YES
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT MEMBER	X	-	YES
	X	-	YES

NON-DESTRUCTIVE TESTING OF WELDED JOINTS

FILLET WELDS:	CONTINUOUS	PERIODIC	REQUIRED
MT TEST A MINIMUM OF 10% OF THE LENGTH OF EACH FILLET WELD EXCEEDING 5/16"	-	X	YES
PERIODIC MT TESTING OF REPRESENTATIVE FILLET WELDS 5/16" AND LESS BUT NEED NOT EXCEED 10% OF ALL SUCH WELDS, EXCEPT AS REQUIRED FOR HIGH REJECTION RATES AS INDICATED IN THE FOLLOWING PARAGRAPH.	-	X	YES
INCREASE MT TESTING RATE FOR WELDERS HAVING A HIGH REJECTION RATE AS REQUIRED TO ENSURE ACCEPTABLE WELDS.	X	-	YES
PARTIAL JOINT PENETRATION (PJP) WELDS INCLUDING FLARE BEVEL WELDS			
MT TEST A MINIMUM OF 25% OF THE LENGTH OF EACH PJP WELD EXCEEDING 5/16" EFFECTIVE THROAT.	-	X	YES
PERIODIC MT TESTING OF REPRESENTATIVE P-P WELDS 5/16" AND LESS BUT NEED NOT EXCEED 10% OF ALL SUCH WELDS, EXCEPT AS REQUIRED FOR HIGH REJECTION RATES AS INDICATED IN THE FOLLOWING PARAGRAPH.	-	X	YES
INCREASE MT TESTING RATE FOR WELDERS HAVING A HIGH REJECTION RATE AS REQUIRED TO ENSURE ACCEPTABLE WELDS.	X	-	YES
COMPLETE JOINT PENETRATION (CJP) WELDS			
ALL CJP WELDS EXCEEDING 5/16" THICKNESS SHALL BE 100% UT TESTED PER AWS D1.1 CLAUSE 6 PART F. THE TESTING LABORATORY SHALL REVIEW THE CJP JOINTS TO DETERMINE WELD GEOMETRY OR ACCESSIBILITY PRECLUDES THE USE OF STANDARD SCANNING PATTERNS PER AWS D1.1 CLAUSE 6 PART F. AT THESE LOCATIONS THE TESTING LABORATORY SHALL DEVELOP AND SUBMIT FOR APPROVAL A WRITTEN TESTING PROCEDURE IN ACCORDANCE WITH AWS D1.1 ANNEX S.	X	-	YES
PERIODIC MT TESTING OF REPRESENTATIVE CJP WELDS 5/16" AND LESS NOT TO EXCEED 10% OF ALL SUCH WELDS.	-	X	YES
INCREASE MT TESTING RATE FOR WELDERS HAVING A HIGH REJECTION RATE AS REQUIRED TO ENSURE ACCEPTABLE WELDS.	X	-	YES

STRUCTURAL STEEL HIGH-STRENGTH BOLTS (SNUG-TIGHT) - INSPECTION TASKS PRIOR TO BOLTING

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
DOCUMENTATION AND ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	-	X	YES

STRUCTURAL STEEL HIGH-STRENGTH BOLTS (SNUG-TIGHT) - INSPECTION TASKS DURING BOLTING

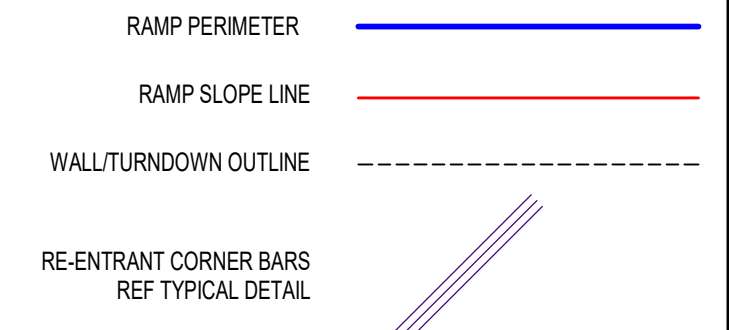
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REQUIRED
DOCUMENTATION OF ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	-	X	YES

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RAMP PLAN NOTES

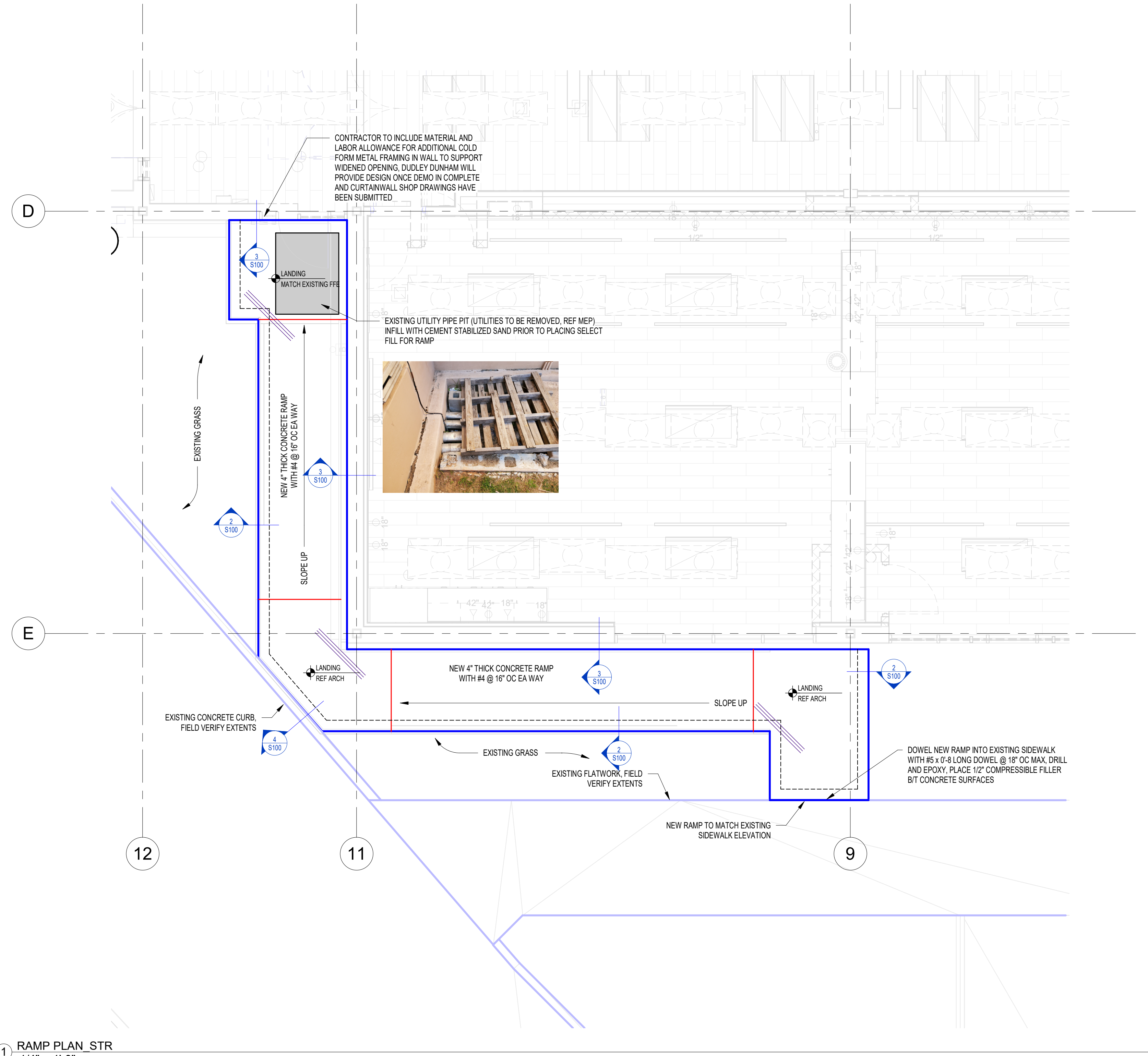
- VERIFY ALL EDGE OF RAMP DIMENSIONS WITH FINAL ARCHITECTURE FLOOR PLANS. FORM DIMENSIONS, SLAB DROPS, SLOPES, ETC. SHOWN AS AN AD TO CONTRACTOR. ONLY VERIFY EXACT DIMENSIONS AND LOCATIONS WITH ARCH OWNER.

RAMP PLAN LEGEND

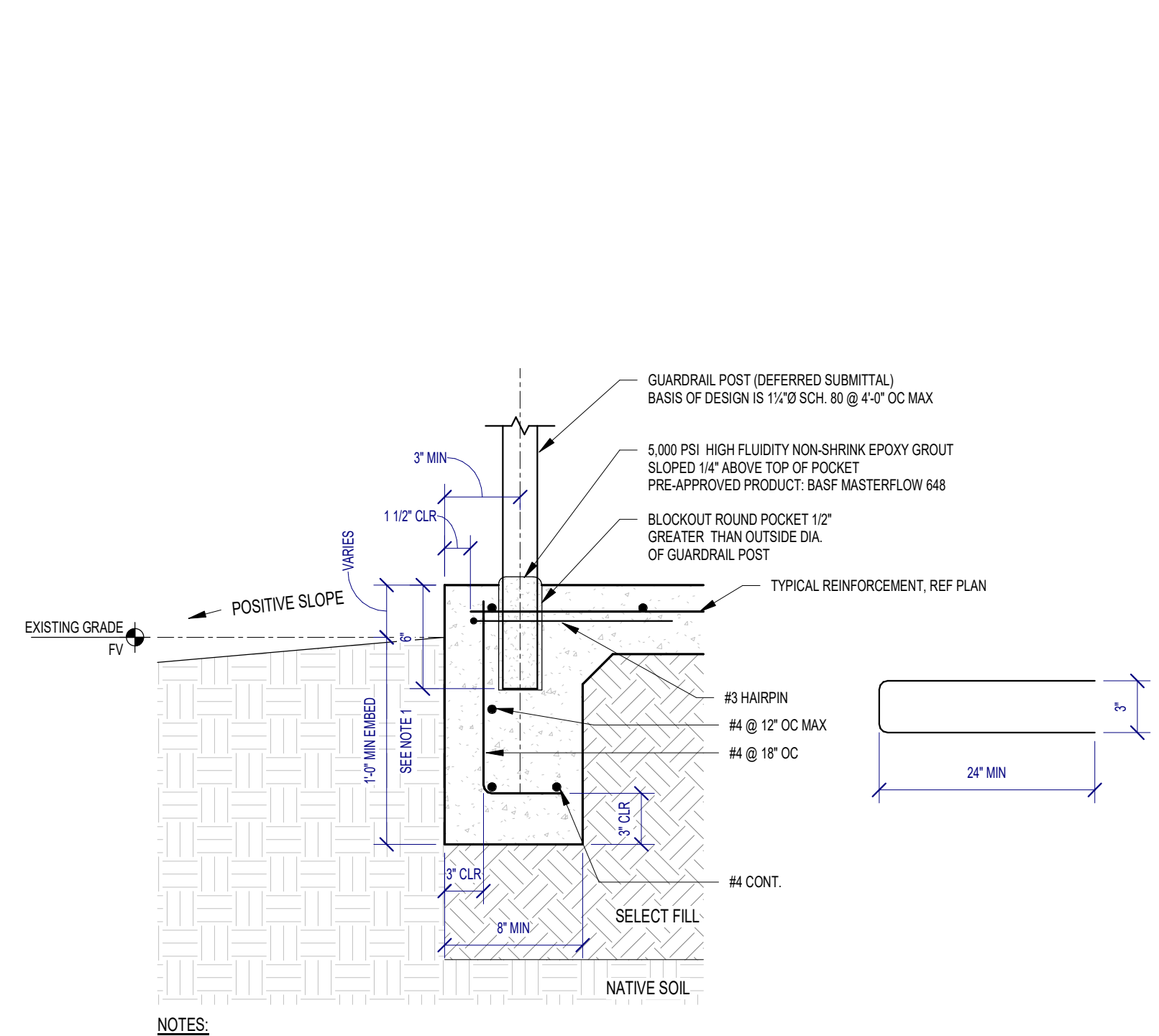


SUBGRADE AND BUILDING PAD NOTES

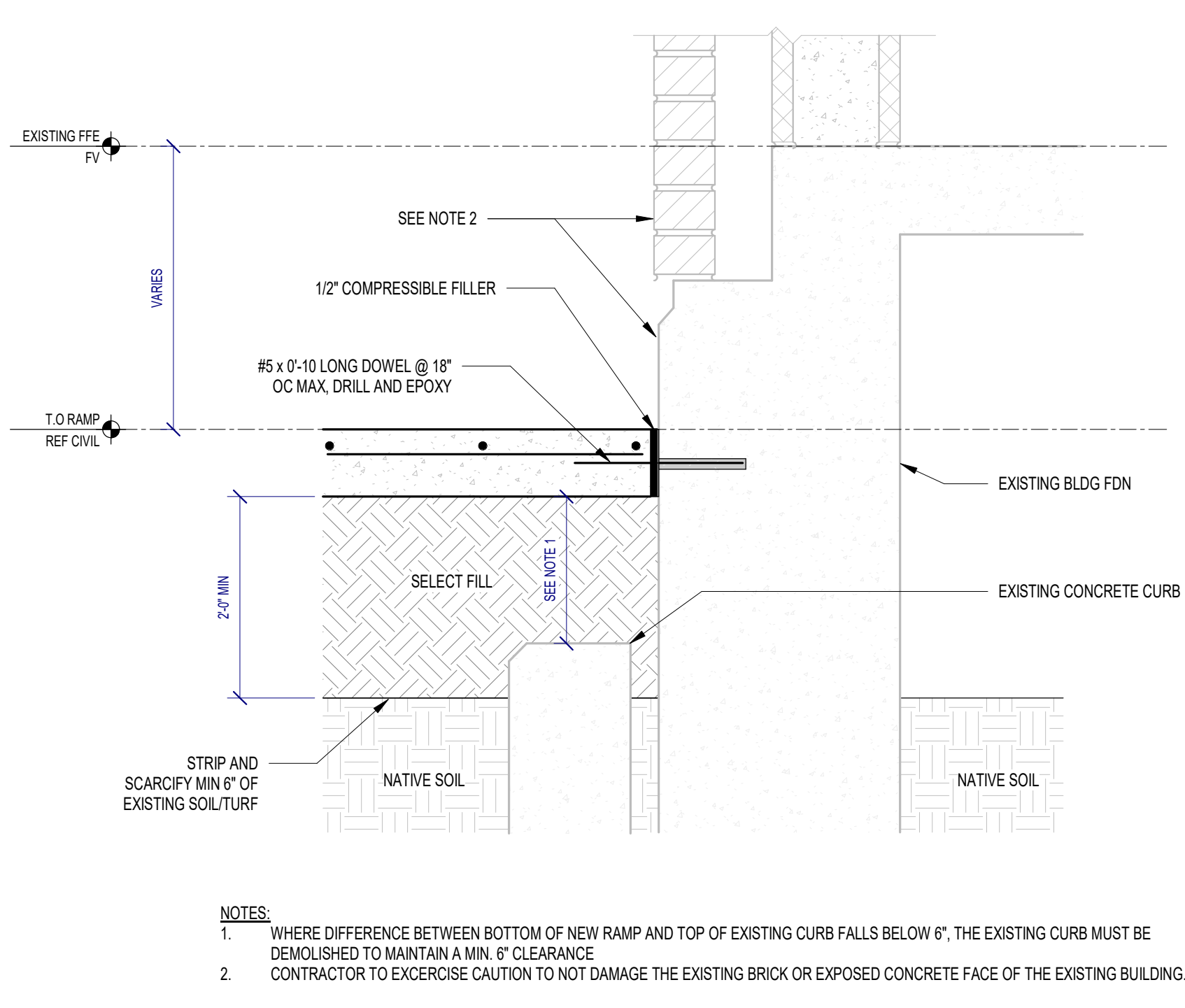
- SITE IMPROVEMENT**
 - UNDERCUT UPPER 2 FEET MINIMUM OF EXISTING SOIL AND REPLACE WITH COMPACTED LOW PLASTICITY STRUCTURAL (SELECT) FILL TO TOP OF RAMP PAD ELEVATION.
- SITE PREPARATION**
 - SOFT SOILS SHOULD BE REMOVED UNTIL FIRM SOIL IS REACHED. THE SOFT SOILS CAN BE AERATED AND PLACED BACK IN SIX INCH LOOSE LIFTS AND COMPACTED TO 95% AS SPECIFIED BY ASTM D-698. TREE STUMPS, TREE ROOTS, OLD SLABS, OLD FOUNDATIONS AND EXISTING PAVEMENTS SHOULD BE REMOVED FROM THE STRUCTURE AREA. IF THE TREE STUMPS AND ROOTS ARE LEFT IN PLACE, SETTLEMENT AND TERMITE INFESTATION MAY OCCUR. ONCE A ROOT SYSTEM IS REMOVED, A VOID IS CREATED IN THE SUBSOIL. IT IS RECOMMENDED TO FILL THESE VOIDS WITH STRUCTURAL FILL OR CEMENT STABILIZED SAND AND COMPACT TO 95% AS SPECIFIED BY ASTM D-698. ANY LOW-LYING AREAS INCLUDING RAVINES, DITCHES, SWAMPS, ETC. SHOULD BE FILLED WITH STRUCTURAL FILL AND PLACED IN EIGHT-INCH LIFTS. EACH LIFT SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY ASTM D-698.
 - THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF SIX (6) INCHES IN THE DRIVEWAY AND SLAB AREAS. THE SUBGRADE SHOULD THEN BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD MOISTURE DENSITY RELATIONSHIP (ASTM D-698). IN THE EVENT THAT THE UPPER SIX (6) INCHES CANNOT BE COMPACTED DUE TO EXCESSIVE MOISTURE, WE RECOMMEND THAT THESE SOILS BE EXCAVATED AND REMOVED OR CHEMICALLY STABILIZED TO PROVIDE A FIRM BASE FOR FILL PLACEMENT. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY TIRED LOADED TRUCK OR PNEUMATIC RUBBER TIRE TRUCK WEIGHING 30 TONS.
 - THE FILL SOILS SHOULD EXTEND AT LEAST FIVE FEET BEYOND THE PERIMETER OF THE STRUCTURE. IN ADDITION, THE FLOOR SLAB SHOULD BE PLACED AS SOON AS POSSIBLE AFTER THE BUILDING PAD IS PREPARED. IF THE BUILDING PAD IS LEFT EXPOSED TO RAINFALL, PERCHED GROUNDWATER CONDITIONS MAY DEVELOP WHICH WILL UNDERMINE THE INTEGRITY OF THE FLOOR SLAB. ALL TRENCHES (WATER, CABLE, ELECTRICAL) SHOULD BE PROPERLY BACKFILLED AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. SAND OR PERMEABLE MATERIALS SHOULD NOT BE USED AS BACKFILL. IMPROPERLY BACKFILLED AND IMPROPERLY COMPACTED TRENCH, IF LEFT EXPOSED WILL ALSO BE ANOTHER SOURCE FOR PERCHED GROUNDWATER CONDITIONS. IN GENERAL, PERCHED WATER TENDS TO BE TRAPPED WITHIN THE FILL. THE TRAPPED GROUNDWATER TENDS TO SOFTEN THE SUBGRADE. POSITIVE DRAINAGE SHOULD BE MAINTAINED ACROSS THE ENTIRE BUILDING PAD.
 - A QUALIFIED SOIL TECHNICIAN SHOULD MONITOR ALL EARTHWORK OPERATIONS. FIELD DENSITY TESTS SHOULD BE CONDUCTED ON EACH LIFT USING A NUCLEAR DENSITY GAUGE. THE GAUGE SHOULD BE CALIBRATED EVERY DAY. PRIOR TO FIELD DENSITY TESTS, A 50 POUND SAMPLE FROM THE SUBGRADE SOILS SHOULD BE OBTAINED. A SIMILAR SAMPLE SHOULD BE OBTAINED FROM THE FILL SOILS. A STANDARD MOISTURE DENSITY RELATIONSHIP (ASTM D-698) SHOULD BE PERFORMED ON EACH SAMPLE IN ORDER TO OBTAIN AN OPTIMUM MOISTURE CONTENT AND A MAXIMUM DRY DENSITY. THE FIELD DENSITY TESTS SHOULD BE COMPARED TO THESE RESULTS EVERY TIME THE SOILS ARE TESTED IN THE FIELD.
- LOW SWELL POTENTIAL STRUCTURAL FILL (SELECT FILL)**
 - LOW SWELL POTENTIAL, SELECT FILL SHOULD CONSIST OF COHESIVE SOILS FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS AND SHOULD HAVE A PLASTICITY INDEX NOT LESS THAN 10 OR MORE THAN 20. SANDY CLAYS ARE RECOMMENDED FOR USE. THE LOW SWELL POTENTIAL SELECT FILL SHOULD BE CLEANED AND FREE OF ORGANIC MATTER OR OTHER DELETERIOUS MATERIAL. THE FILL SHOULD BE PLACED IN MAXIMUM NINE INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 (STANDARD PROCTOR). THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHOULD BE +2% OF THE OPTIMUM VALUE AS DEFINED BY ASTM D 698. THE REFERENCED MOISTURE CONTENT AND DENSITY SHOULD BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- DRAINAGE**
 - ROOF DRAINAGE SHOULD BE COLLECTED BY A SYSTEM OF GUTTERS AND DOWN SPOUTS AND TRANSMITTED TO A PAVED SURFACE WHERE WATER CAN DRAIN RAPIDLY AWAY FROM THE STRUCTURE. SIDEWALKS, PARKING AREAS, BUILDING ACCESS DRIVES, AND THE GENERAL GROUND SURFACE SHOULD BE SLOPED SO THAT WATER WILL DRAIN AWAY FROM THE STRUCTURE. WATER SHOULD NOT BE ALLOWED TO POND NEAR THE BUILDING FOUNDATIONS.
- LANDSCAPING**
 - AVOID THE USE OF METAL EDGING OR OTHER DAMMING DEVICES WITHIN FIVE FEET OF THE FOUNDATION. THE ROOTS OF TREES AND LARGE PLANTS REMOVE LARGE QUANTITIES OF WATER FROM THE SOIL. IF THESE TREES AND SHRUBS ARE NEAR THE FOUNDATION AND IF SUFFICIENT WATER IS NOT SUPPLIED, THE SOILS MAY SHRINK IF EXPANSIVE, CAUSING SUBSIDENCE IN THE FOUNDATION. DURING DRY PERIODS, ENOUGH WATER SHOULD BE SUPPLIED TO TREES TO MINIMIZE SHRINKING OF EXPANSIVE SOILS AROUND THEM. MOST OF THE IRRIGATION WATER SHOULD BE APPLIED WELL AWAY FROM THE FOUNDATION TO ATTRACT THE TREE ROOTS IN THAT DIRECTION. WHEN TREES MATURE TO THE POINT OF SHADING THE ENTIRE LOT, REGULAR PRUNING WILL BE NEEDED TO REDUCE THEIR WATER UPTAKE. LANDSCAPING PLANTS, SHRUBS, FLOWERS, ETC. SHOULD NOT TRAP WATER AGAINST THE FOUNDATION. PROVIDE A SLOPE IN SOILS BELOW LANDSCAPE BEDDING AND IN THE BEDDING AWAY FROM THE FOUNDATION. ALTERNATIVELY, PROVIDE SWALES AROUND AND THROUGH THE LANDSCAPING TO DRAIN WATER AWAY. PROVIDE UNIFORM GROUND COVER AROUND THE FOUNDATION. THIS WILL HELP KEEP THE MOISTURE EVAPORATION RATE UNIFORM. IN AREAS THAT ARE NOT PLANTED, USE MULCH. EXTEND THE GROUND COVER AT LEAST FIVE FEET FROM THE FOUNDATION.
 - ANNUAL TREES SHALL BE PLANTED AT A MINIMUM DISTANCE EQUIVALENT TO THE HEIGHT OF THE TREE OR THE DRIP LINE PLUS 10 FEET WHICHEVER IS GREATER.
- SOIL MOISTURE**
 - EXPANSIVE SOILS HEAVE AND SUBSIDE DUE TO CHANGES IN MOISTURE CONTENT. CHANGES IN MOISTURE CONTENT CAN CAUSE VERY LARGE CHANGES IN SOIL VOLUME WHEN GOING FROM A DRY TO A SATURATED CONDITION, AND VICE VERSA. THIS MOVEMENT DOES NOT MEAN THE FOUNDATION IS IMPROPERLY DESIGNED OR THAT IT HAS FAILED. THE FOUNDATION DESIGN ENGINEER CANNOT CONTROL THE MOISTURE CONTENT OF THE SOIL BUT OFTEN THE OWNER/TENANT CAN. UNIFORMITY IS THE KEY. UNIFORM MOISTURE CONTENT IN THE SOIL UNIFORMLY MAINTAINED IN ALL AREAS AROUND THE FOUNDATION. IF CHANGES IN MOISTURE CONTENT ARE UNIFORM, THEN MOVEMENT OF THE FOUNDATION WILL BE UNIFORM AND LESS DISTRESS WILL BE CREATED IN THE STRUCTURE. IF CHANGES IN MOISTURE CONTENT ARE NON-UNIFORM, THEN THERE MAY BE DIFFERENTIAL MOVEMENT IN THE FOUNDATION. DIFFERENTIAL MOVEMENT CAN CAUSE GREATER (AND MORE OBVIOUS) DISTRESS IN THE STRUCTURE. LEAKING POOLS, LEAKING PLUMBING LINES, LEAKING DRAIN, DRIPPING FAUCETS, DRIPPING AIR CONDITIONING CONDENSATE LINES, AND MISDIRECTED WATER FROM CLOGGED AND BROKEN GUTTERS AND DOWNSPOUTS CAN CAUSE LOCAL HIGH MOISTURE CONTENTS THAT CAN RESULT IN DIFFERENTIAL MOVEMENT IN AREAS OF EXPANSIVE SOILS. THESE CONDITIONS SHOULD BE REMEDIATED AS SOON AS POSSIBLE. TREES IN OR NEAR THE FOOTPRINT OF THE FOUNDATION, EITHER REMOVED OR PLANTED DURING CONSTRUCTION, CAUSE THE MAJORITY OF FOUNDATION PROBLEMS REQUIRING REPAIR IN THIS AREA. TREES REMOVED DURING CONSTRUCTION TEND TO CAUSE HEAVE OF EXPANSIVE SOILS DURING THE FIRST FEW YEARS, WITH INITIAL DISTRESS OFTEN EVIDENT AT THE TIME OF MOVE-IN. TREES PLANTED DURING OR AFTER CONSTRUCTION TEND TO CAUSE SUBSIDENCE OF EXPANSIVE SOILS. HOWEVER, SIGNIFICANT SUBSIDENCE DISTRESS WILL USUALLY NOT OCCUR FOR TEN TO TWENTY YEARS AS THE TREES MATURE.
- CLIMATE**
 - DURING PERIODS OF DRY WEATHER, THE SOIL AROUND THE FOUNDATION SHOULD BE IRRIGATED IF THE BUILDING IS LOCATED IN AN AREA WHERE EXPANSIVE SOILS ARE KNOWN TO OCCUR. THE MOST COMMONLY USED IRRIGATION SYSTEM IS ABOVEGROUND TIMED SPRINKLERS WITH A MANUAL OVERRIDE SO THEY CAN BE TURNED OFF IN RAINY WEATHER. AN AUTOMATIC BELOWGROUND IRRIGATION SYSTEM THAT SENSES THE MOISTURE CONTENT OF THE SOIL MAY ALSO BE USED. TEND TO KEEP THE IRRIGATION SYSTEM SET ON "MANUAL" AND ONLY USE IT IN DRIER PERIODS WHEN WILTING OF THE LAWN GRASSES AND OTHER VEGETATION OCCURS. THE IRRIGATION SHOULD BE DONE AT LEAST ONE TO TWO FEET AWAY FROM THE FOUNDATION, AND THEN LIGHTLY SO THAT TREE ROOTS ARE NOT ATTRACTED THERE. DO NOT ALLOW SPRINKLERS TO SPRAY WATER AGAINST THE STRUCTURE. IN EXTENDED DRY PERIODS, SHOULD THE SOIL CRACK AND PULL AWAY FROM THE FOUNDATION, DO NOT WATER DIRECTLY INTO THE GAP.



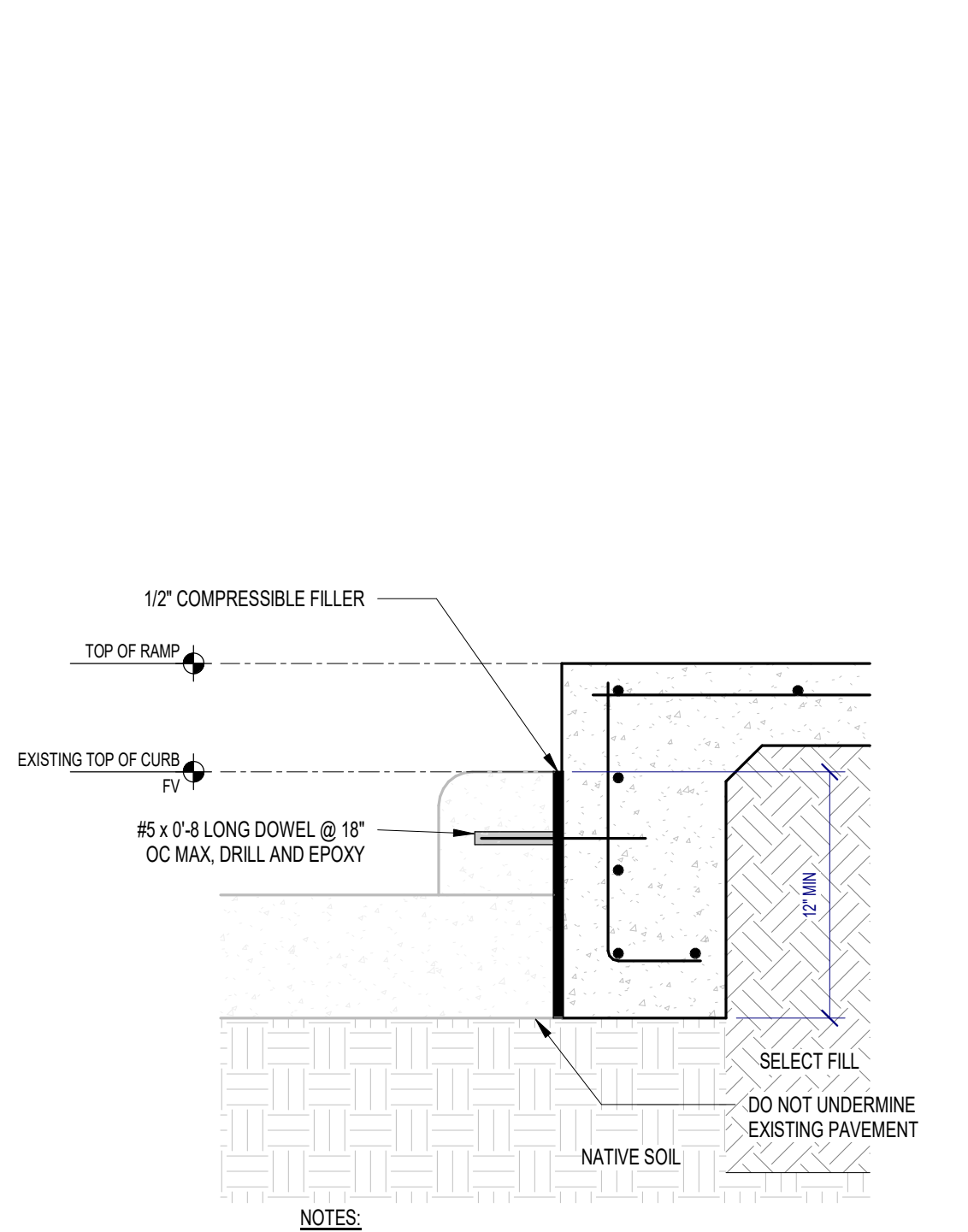
1 RAMP PLAN STR
1/4" = 1'-0"



2 TYPICAL RAMP AT EXISTING TURF
1 1/2" = 1'-0"



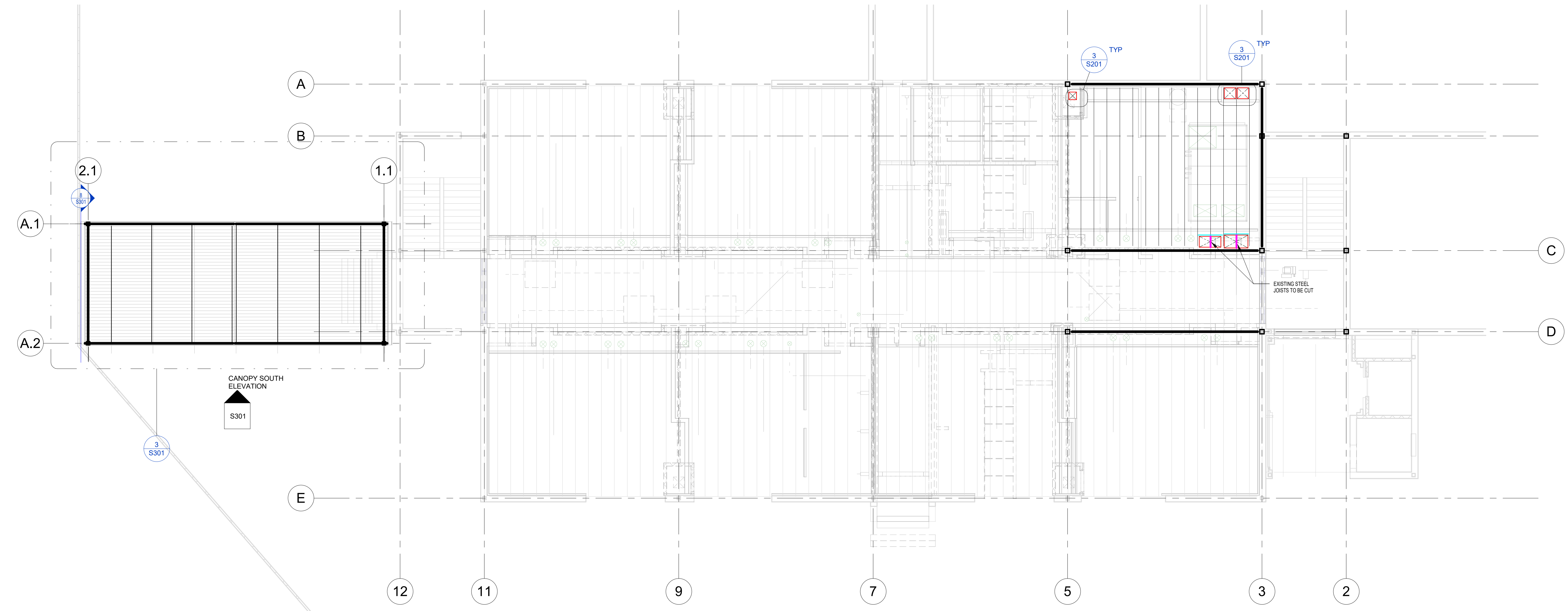
3 TYPICAL RAMP AT EXISTING BLDG
1 1/2" = 1'-0"



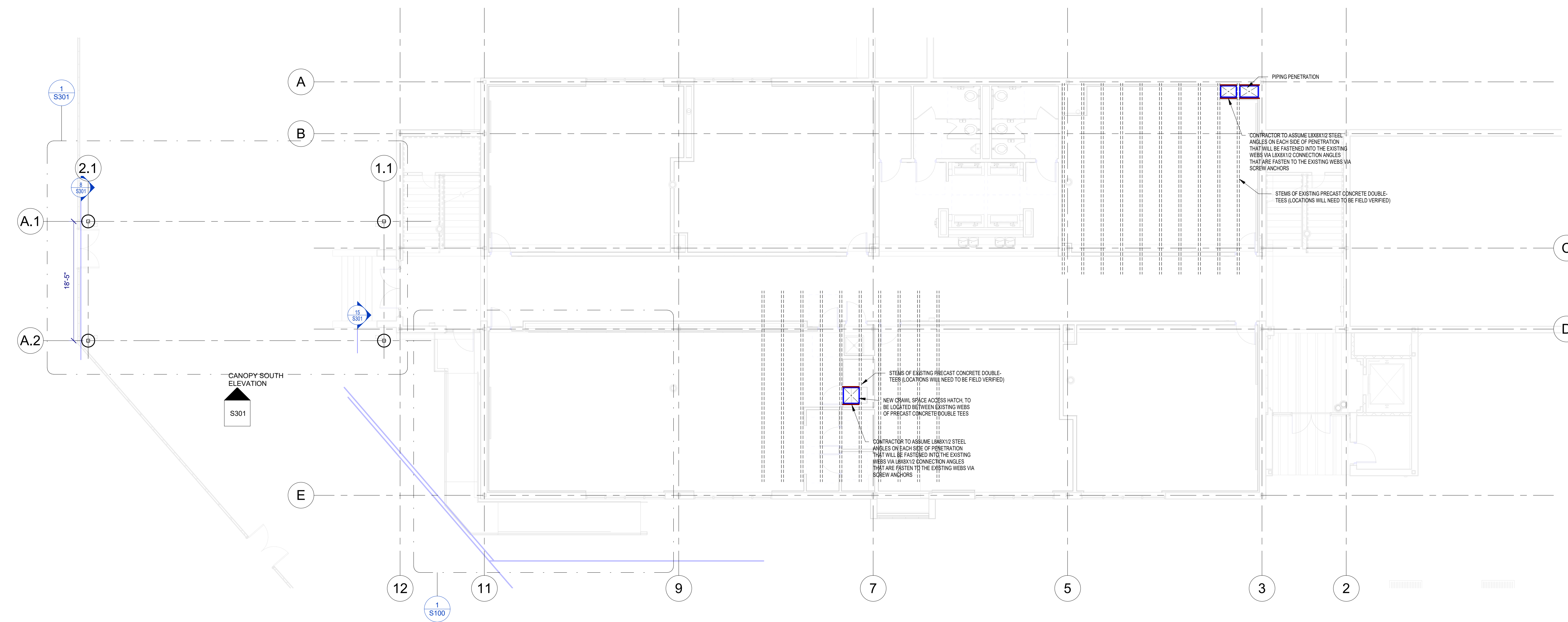
4 TYPICAL RAMP AT EXISTING CURB/PAVEMENT
1 1/2" = 1'-0"

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STRUCTURAL FLOOR PLAN NOTES:
1. NOT ALL PENETRATIONS THROUGH THE EXISTING FLOOR ARE SHOWN ON THIS DRAWING. REFER TO MECHANICAL DRAWINGS.
2. NOTE THAT ONLY PENETRATIONS INDICATED AS SUCH THROUGH THE FLOOR SHOULD REQUIRE INTERFERENCE WITH THE EXISTING STEEL FRAMING.



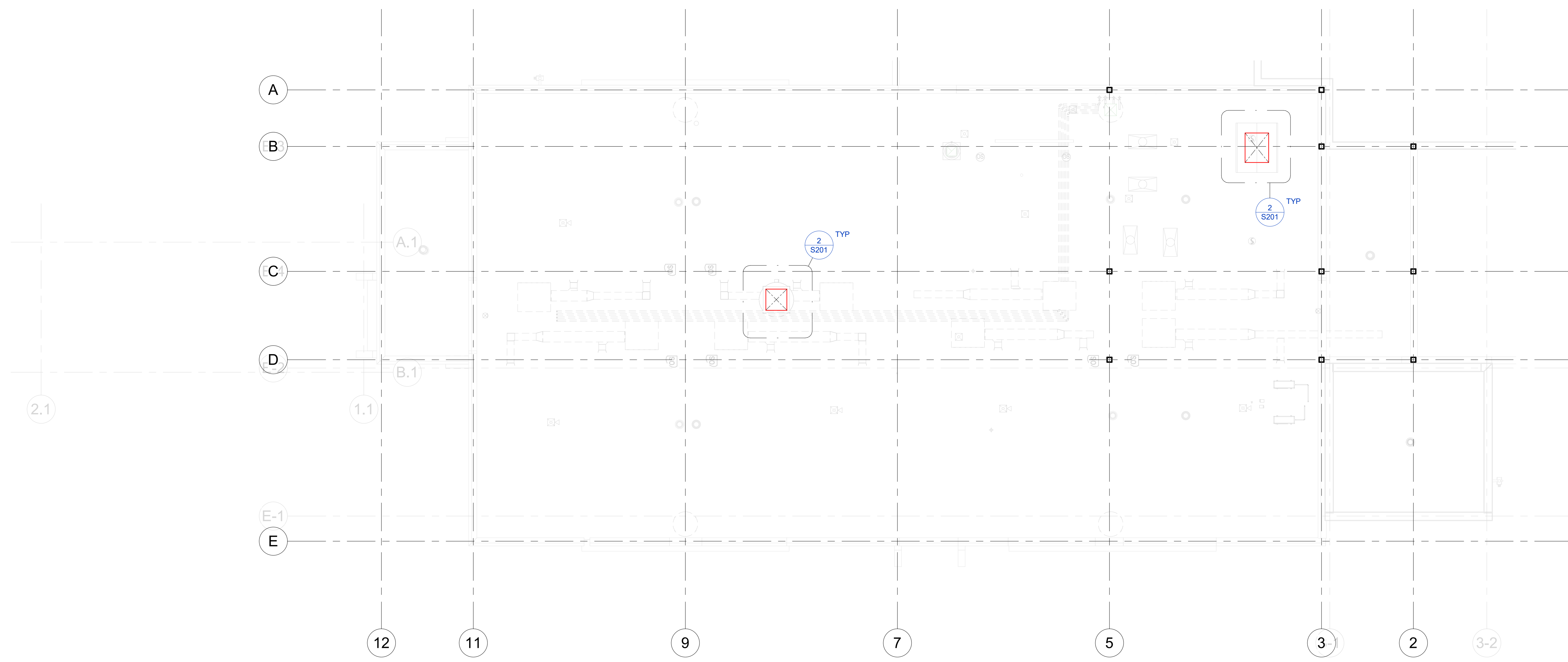
9 EXISTING 2ND FLOOR MODIFICATIONS
1/8" = 1'-0"



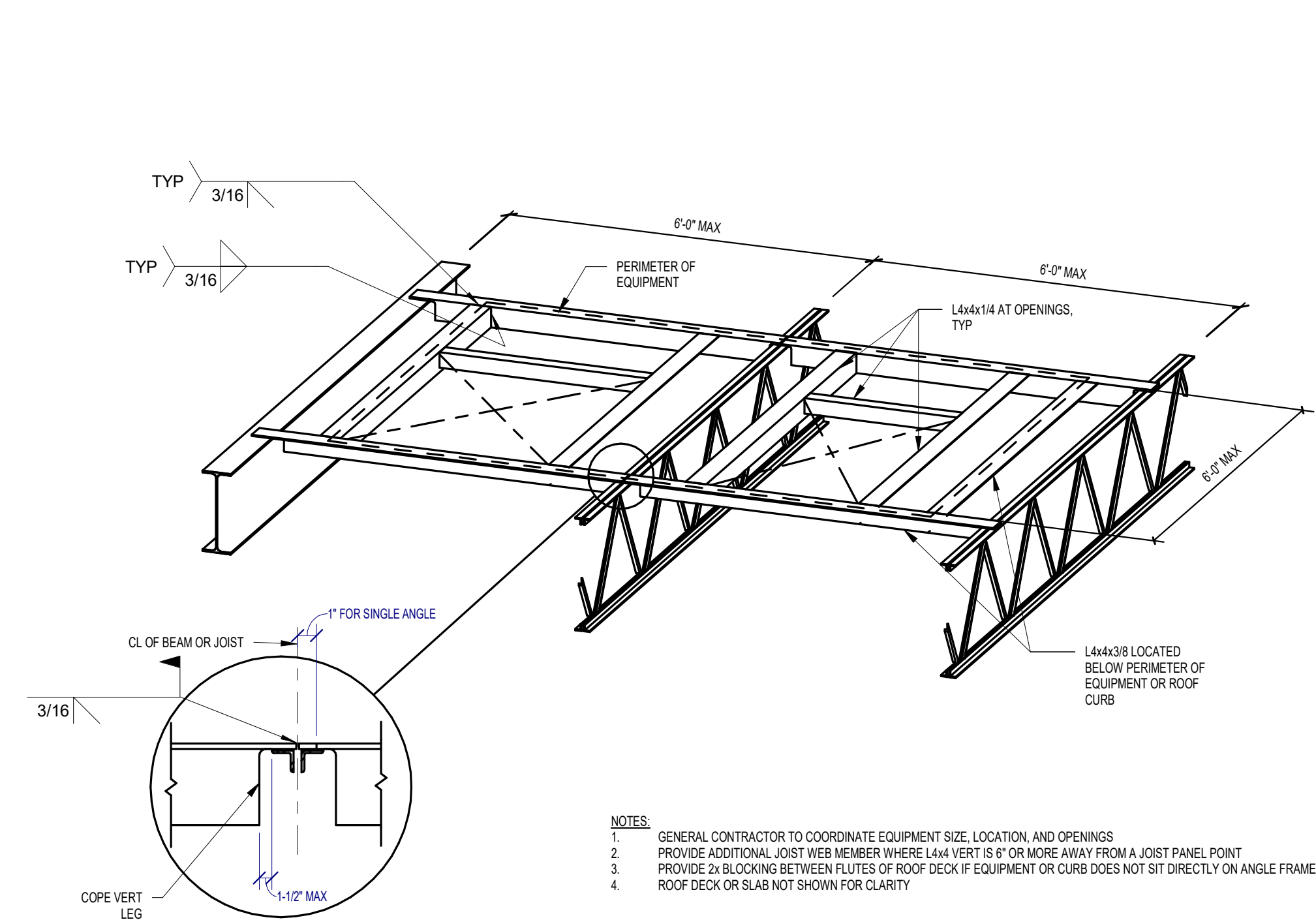
10 EXISTING 1ST FLOOR MODIFICATIONS AND ADDITIONS
1/8" = 1'-0"

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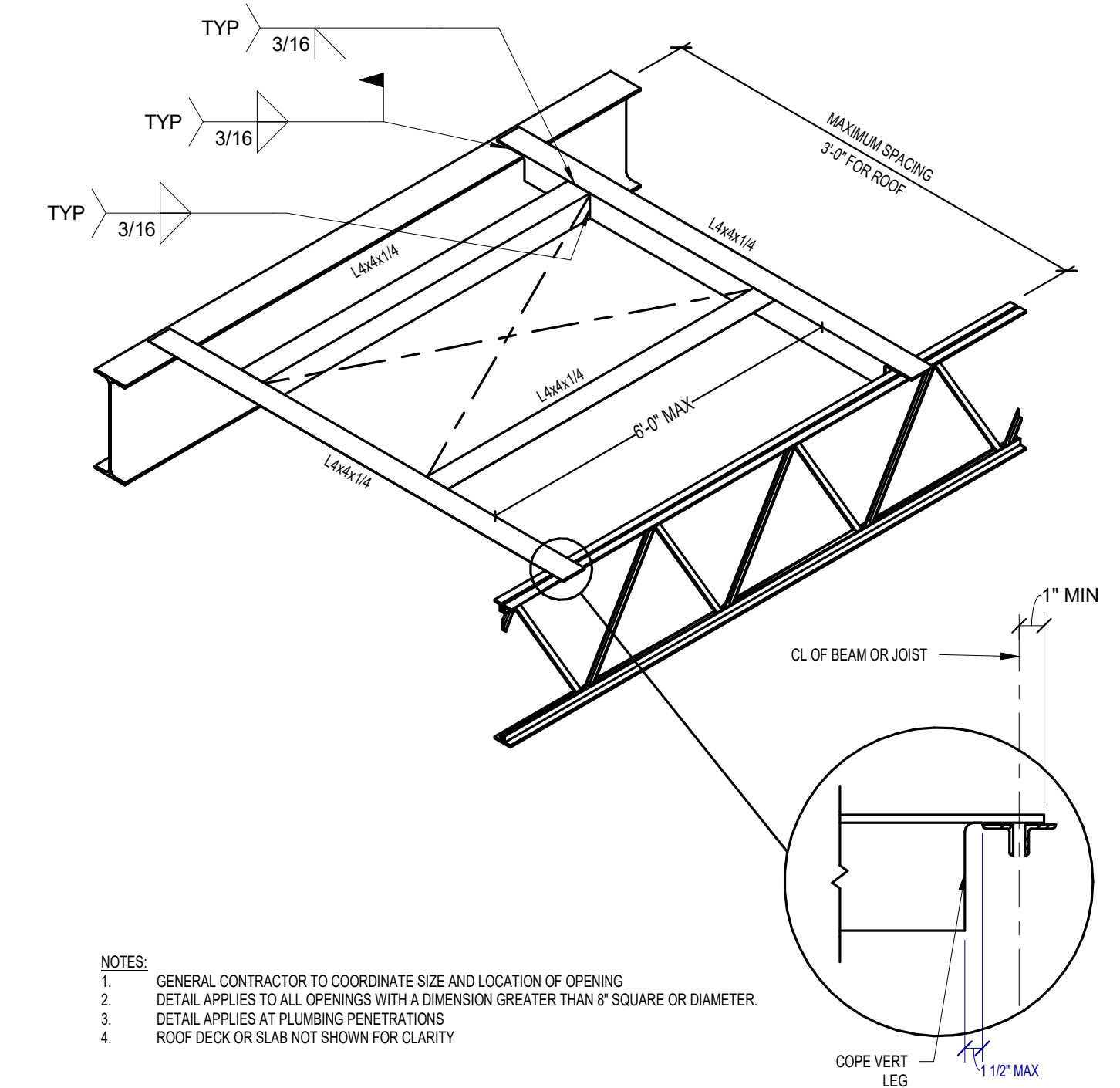
STRUCTURAL ROOF PLAN NOTES:
1. NOT ALL PENETRATION THROUGH THE EXISTING ROOF ARE SHOWN ON THIS DRAWING. REFER TO MEP DRAWINGS.
2. NOTE THAT NO PENETRATIONS THROUGH THE ROOF SHOULD REQUIRE INTERFERENCE WITH THE EXISTING STEEL JOISTS.



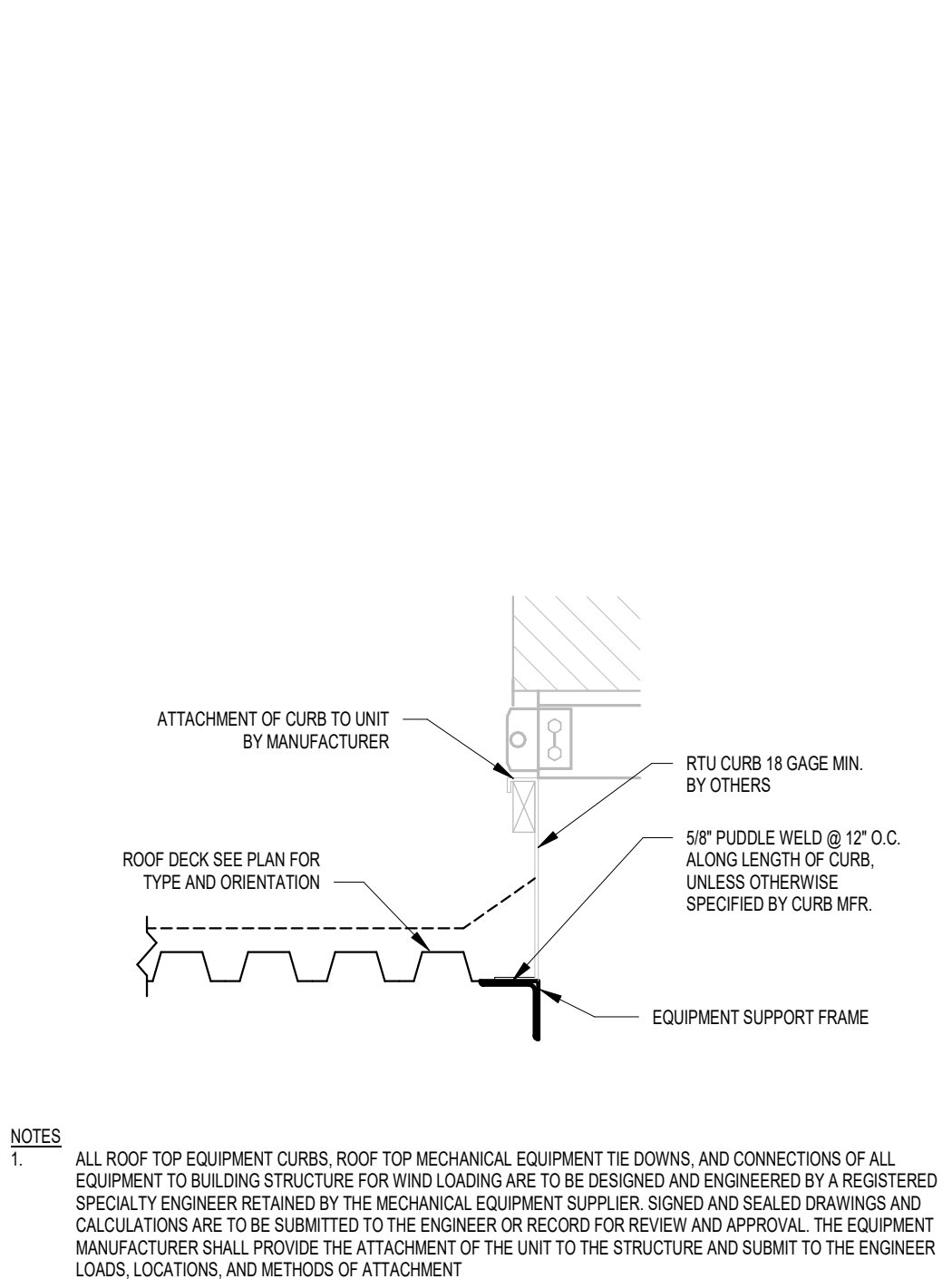
1 EXISTING ROOF FRAMING PENETRATIONS
1/8" = 1'-0"



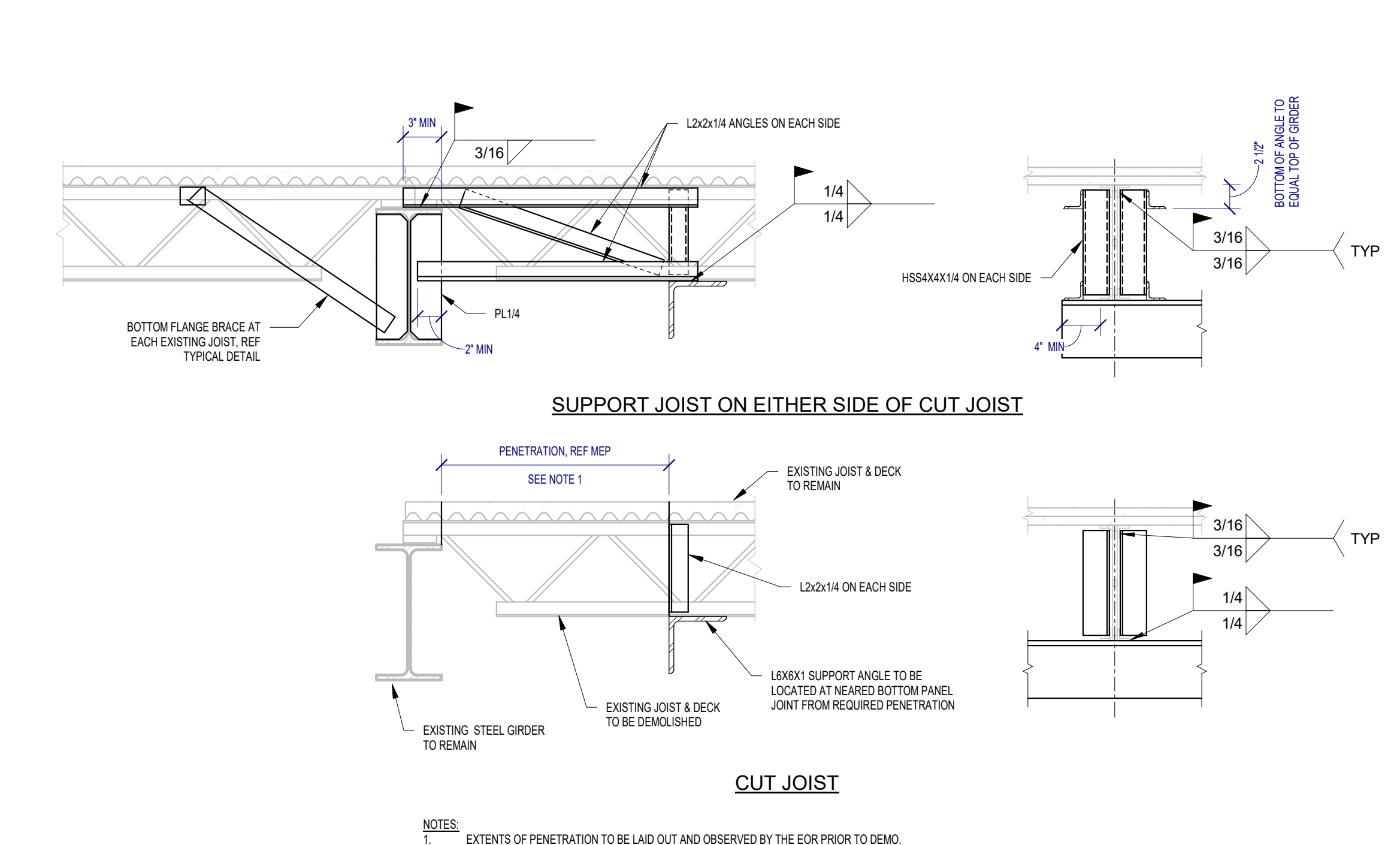
2 TYPICAL ROOF TOP EQUIPMENT SUPPORT FRAME
3/4" = 1'-0"



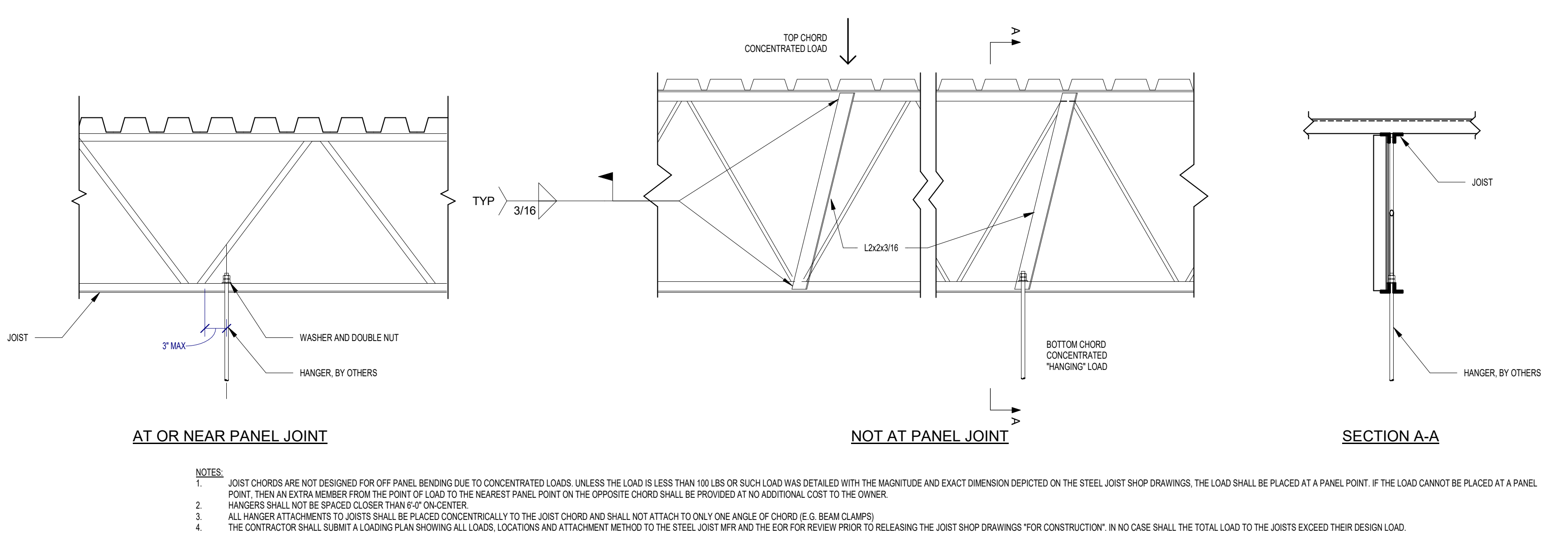
3 TYPICAL ANGLE FRAME FOR OPENING IN ROOF OR FLOOR (NO EQUIPMENT)
3/4" = 1'-0"



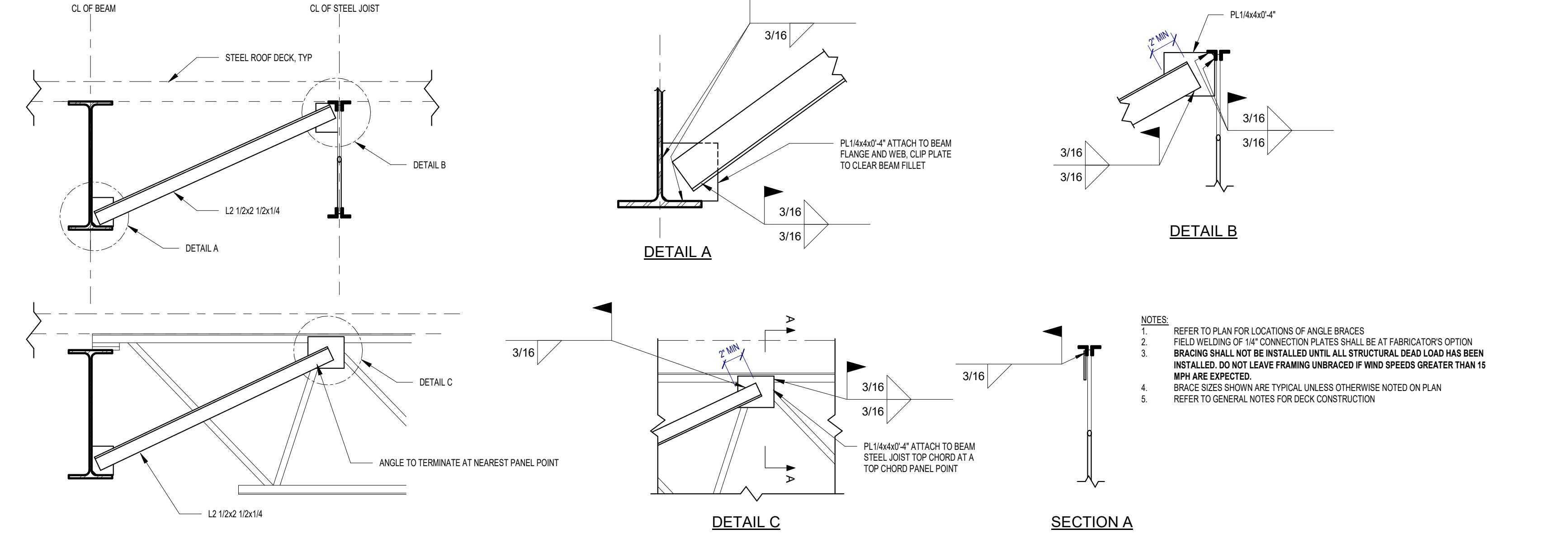
4 TYPICAL RTU CURB ATTACHMENT
1" = 1'-0"



5 TYPICAL FLOOR FRAMING MODIFICATIONS AT CUT JOIST
1" = 1'-0"



6 TYPICAL CONCENTRATED LOAD SUPPORTED BY STEEL JOISTS
1" = 1'-0"



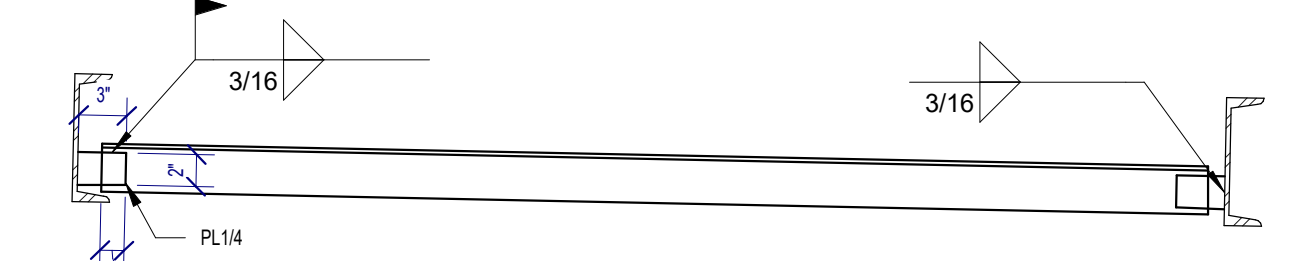
7 TYPICAL BEAM BOTTOM FLANGE BRACE (STEEL JOIST CONSTRUCTION)
1" = 1'-0"

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- ROOF PLAN NOTES**
- THE ROOF DECK SHALL BE 1/2" DEEP TYPE B (WIDE RIB) 20 GAUGE GALVANIZED (GG) METAL DECK, UNO.
 - THE ROOF DECK SHALL BE PLACED AS INDICATED ON PLAN WITH THREE SPAN MINIMUM, UNO.
 - ATTACHMENT OF DECK: SEE NOTES BELOW
 - ALL STRUCTURAL STEEL NOT IN PERMANENTLY CONDITIONED SPACE SHALL BE HOT-DIP GALVANIZED, UNO.
 - ALL FASTENERS MUST BE HOT-DIP GALVANIZED. SCREWS SHALL UTILIZE NEOPRENE WASHERS.

- FASTENING SPACING**
- 36S PATTERN AT END LAPS
 - 36S PATTERN AT INTERMEDIATE SUPPORTS
 - FASTEN SIDE LAPS AT 18" OC
 - FASTEN PERMETER EDGES OF DECK AT 18" OC
- FASTENERS**
- AT SUPPORTS:
 - HILTI X-HSM4 FOR FASTENING DECK TO MAR. JOIST
 - HILTI X-EP-19 FOR FASTENING DECK TO STRUCTURAL STEEL
 - S70 ARC SPOT WELD (PUDDLE WELD)
 - AT SIDELAP:
 - #10 HSB SCREW
 - MINIMUM EDGE DISTANCE FOR ARC SPOT (PUDDLE) WELDS IS 3/4". THE MINIMUM EDGE DISTANCE FOR SCREWS AND PIPS IS 1/2".
 - ENLARGES TO OCCUR AT SUPPORTS ONLY
 - MINIMUM LAP IS 2"



5 TYPICAL BOTTOM FLANGE BRIDGING
1" = 1'-0"

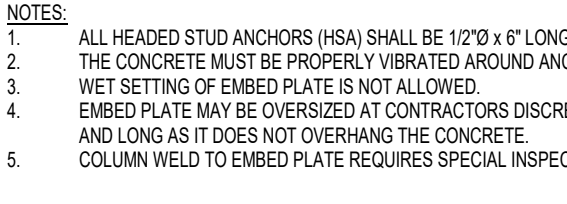
EMBED PLATE SCHEDULE

COLUMN	PLATE	# STUDS
HSS 4 x 4	8" x 8" x 3/8"	4
HSS 5 x 5	8" x 8" x 3/8"	4
HSS 6 x 6	10" x 10" x 5/8"	4
HSS 7 x 7	11" x 11" x 3/4"	4
HSS 8 x 8	12" x 12" x 3/4"	4
HSS 10 x 6	14" x 10" x 3/4"	4
P 12 X5	14" x 14" x 3/4"	4

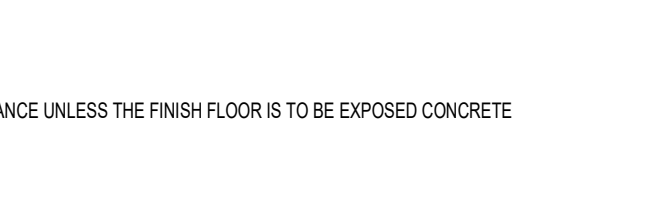
WELD SCHEDULE

COLUMN THICKNESS	WELD SIZE - W
3/16	3/16
1/4	3/16
5/16	1/4
3/8	5/16
7/16	5/16
1/2	7/16
9/16	7/16

PLAN (TYP. SQ. HSS COL.)

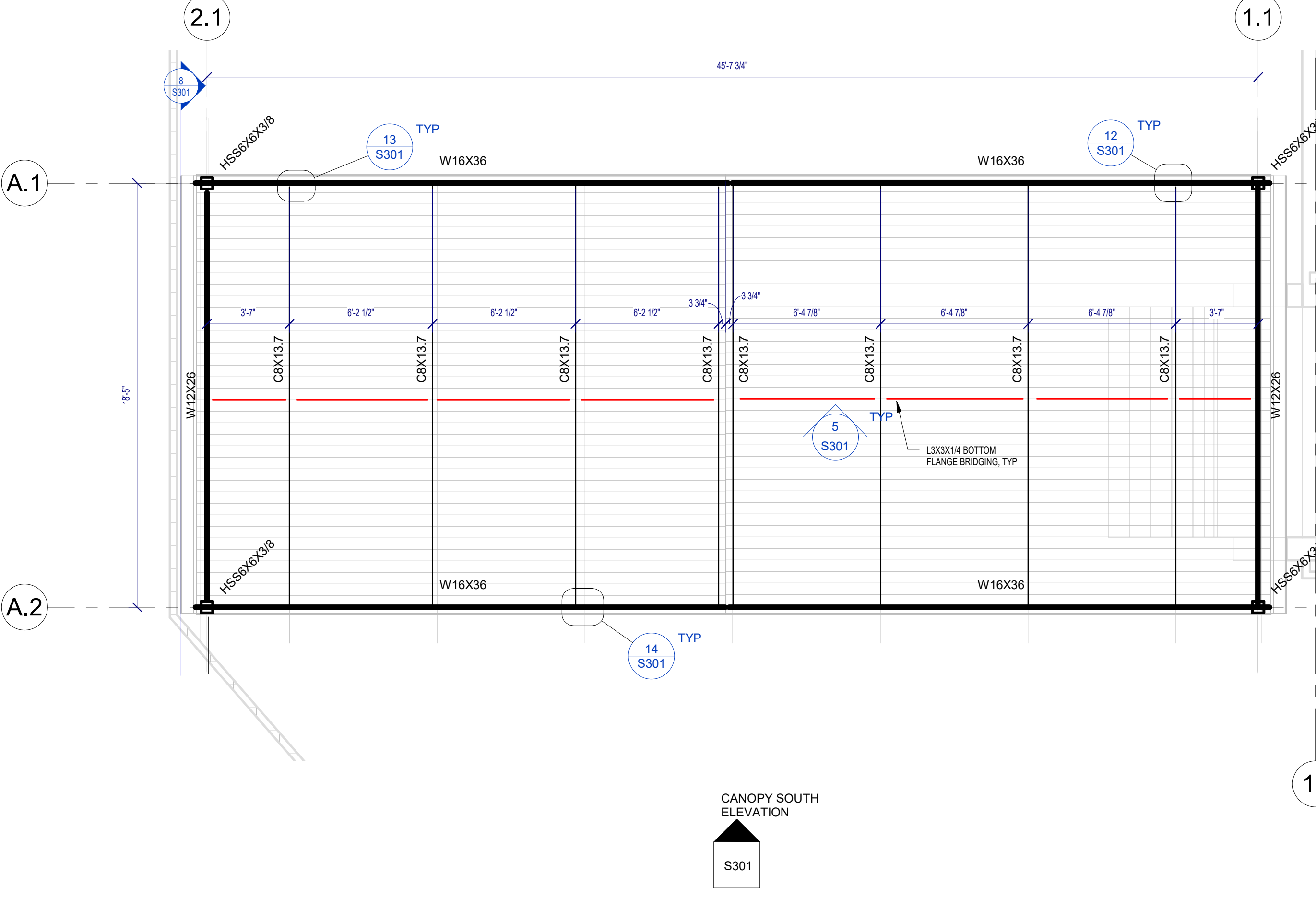


ELEVATION (TYP. TUBE/PIPE COL.)

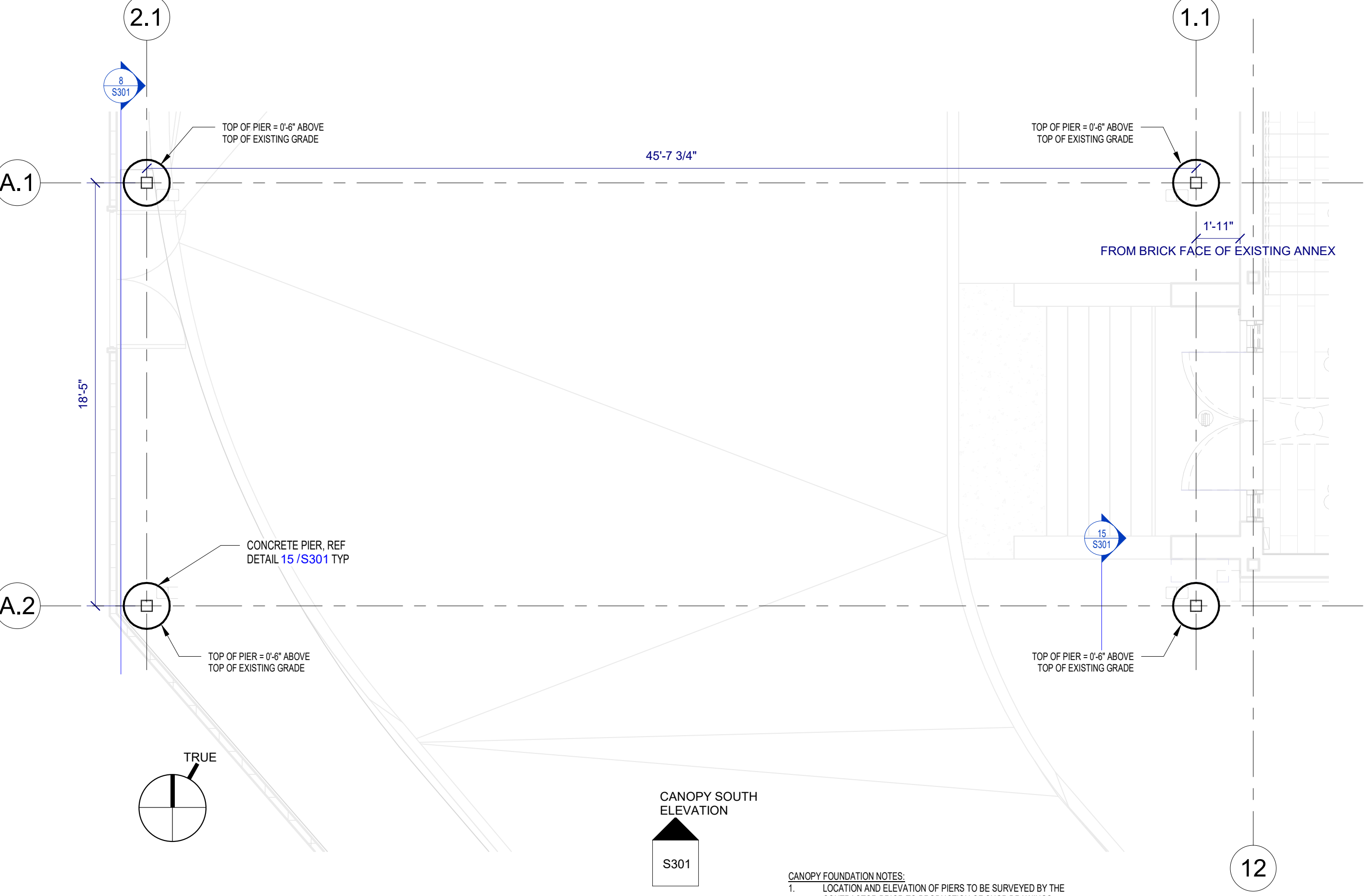


- NOTES:**
- ALL HEADED STUD ANCHORS (HSA) SHALL BE 12"0" x 1/2" LONG AFTER WELD.
 - THE CONCRETE MUST BE PROPERLY VIBRATED AROUND ANCHOR RODS. EMBED PLATES.
 - WET SETTING OF EMBED PLATE IS NOT ALLOWED.
 - EMBED PLATE MAY BE OVERLAP AT CONTRACTOR'S DISCRETION TO ALLOW GREATER TOLERANCE UNLESS THE FINISH FLOOR IS TO BE EXPOSED CONCRETE AND LONG AS IT DOES NOT OVERHANG THE CONCRETE.
 - COLUMN WELD TO EMBED PLATE REQUIRES SPECIAL INSPECTION OF THE WELD.

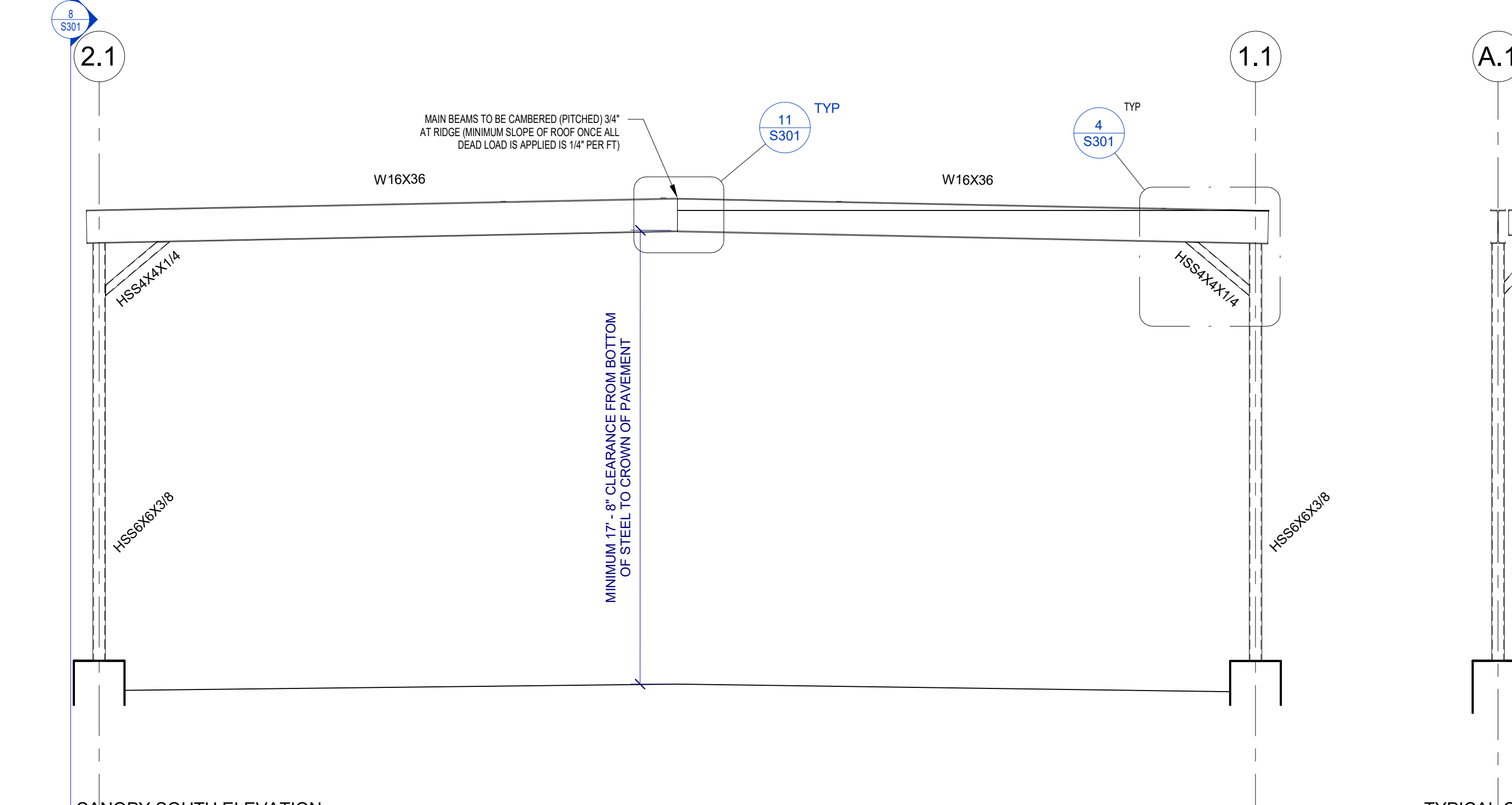
10 TYPICAL STEEL COLUMN EMBED PLATES INTO CONCRETE (NOT AT EDGE)
3/4" = 1'-0"



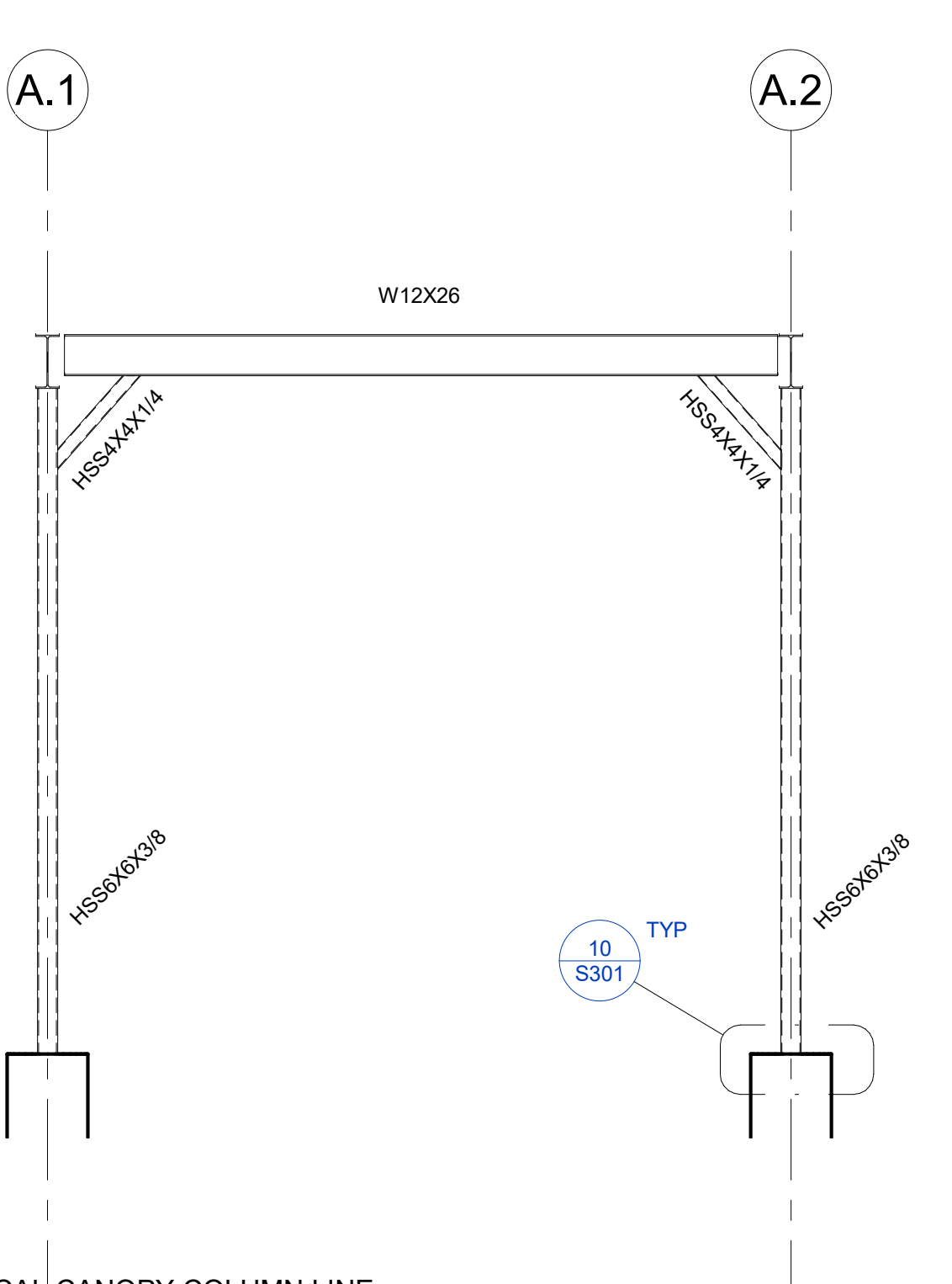
3 CANOPY ROOF PLAN
1/4" = 1'-0"



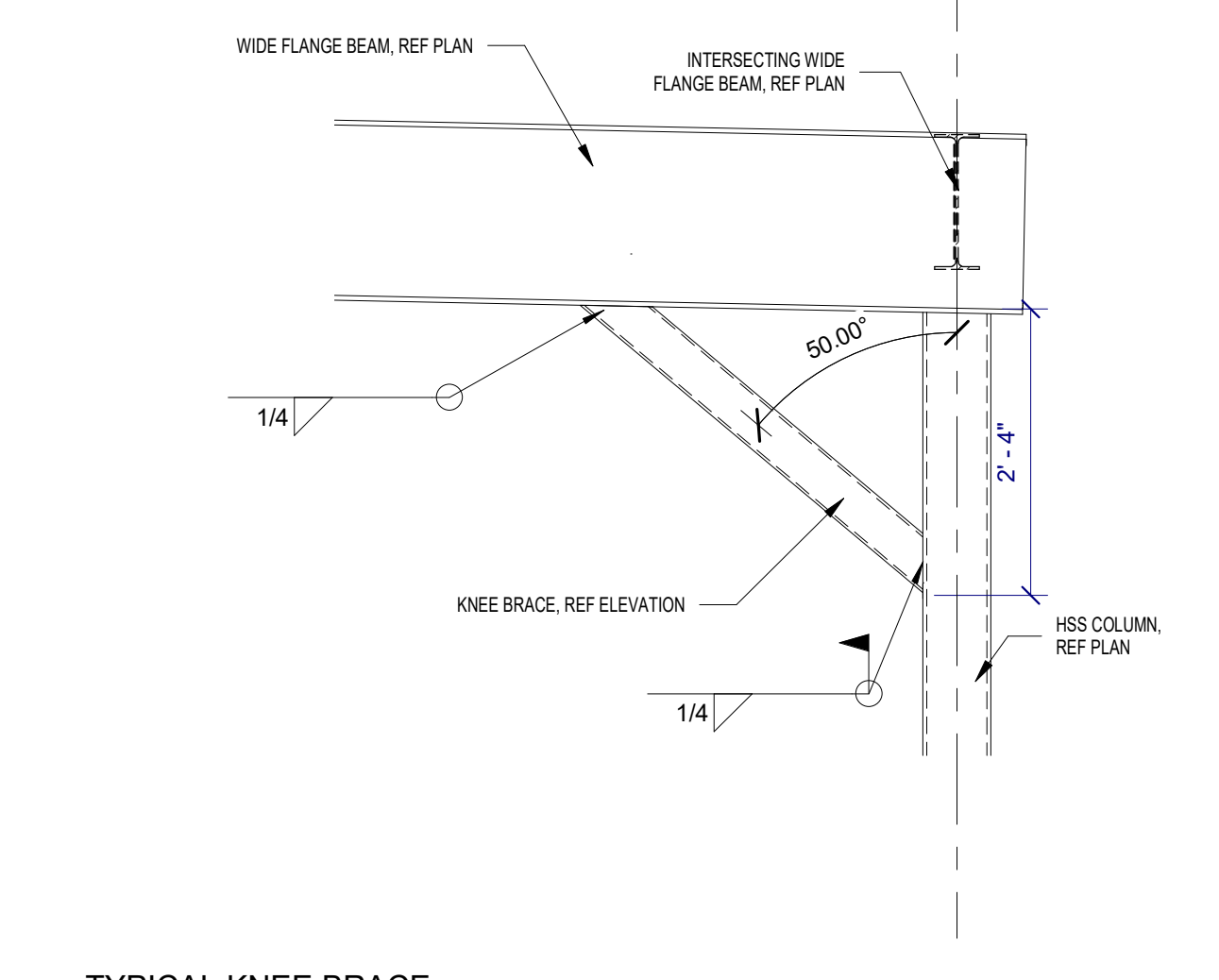
1 CANOPY FOUNDATION PLAN
1/4" = 1'-0"



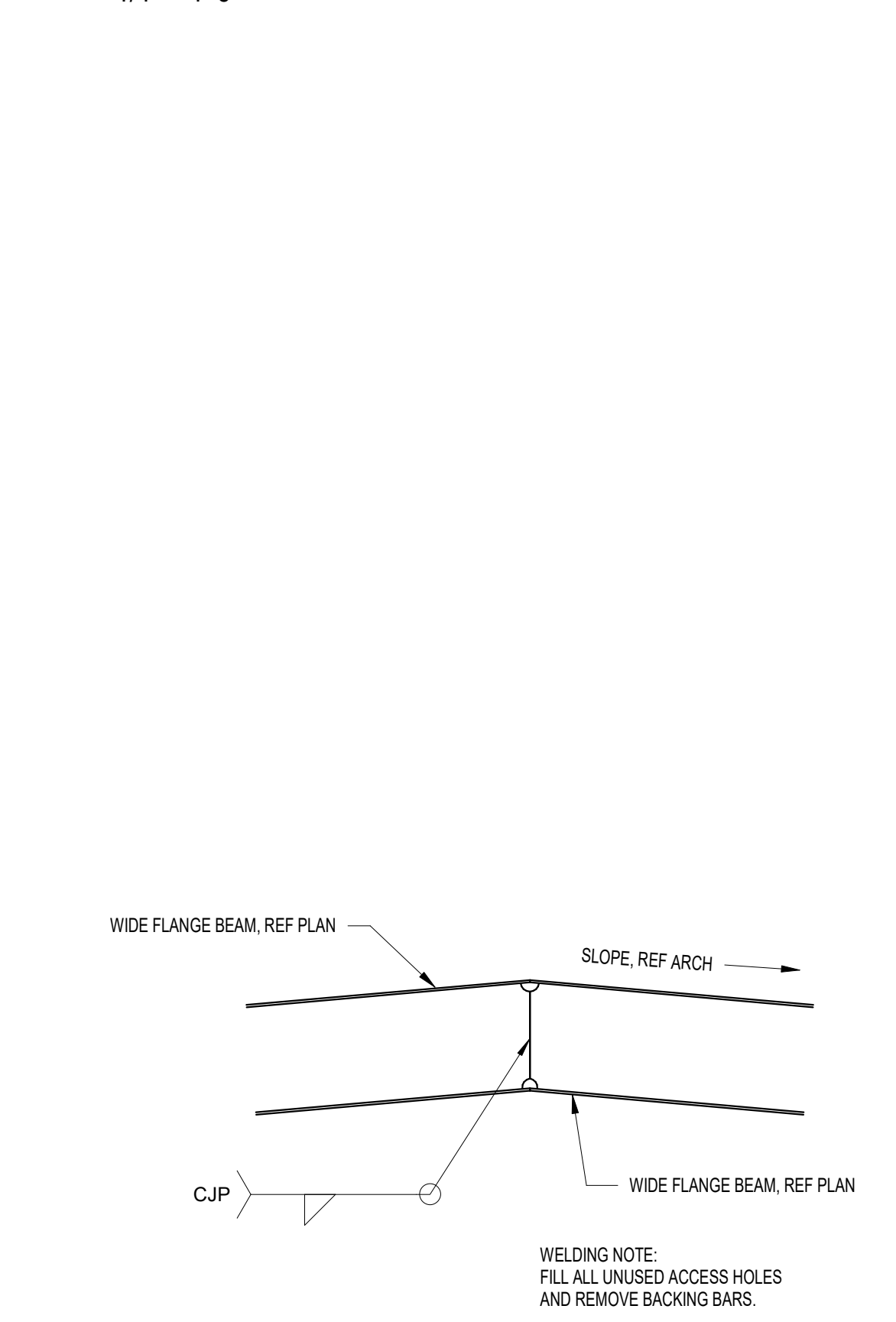
6 CANOPY SOUTH ELEVATION
1/4" = 1'-0"



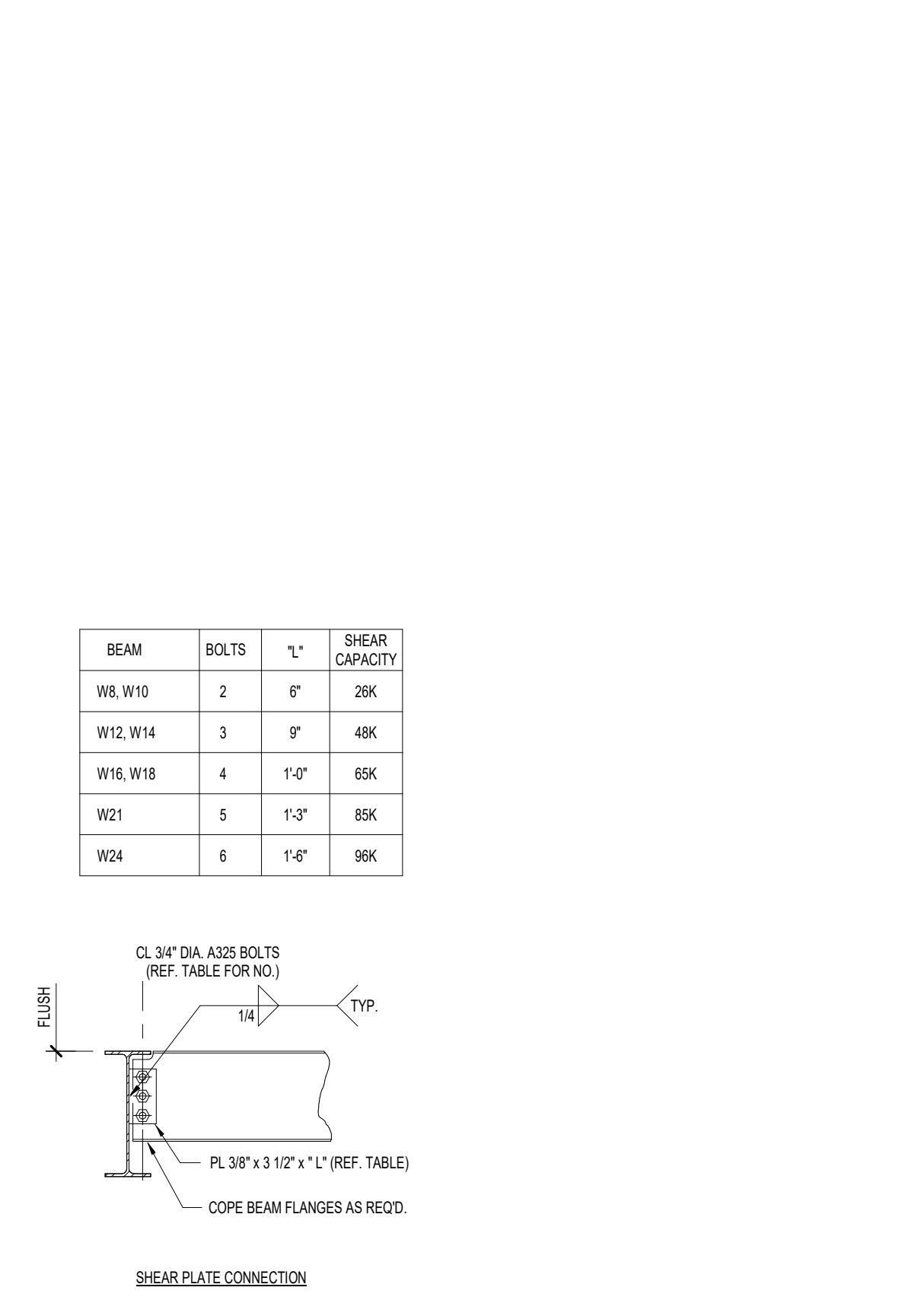
8 TYPICAL CANOPY COLUMN LINE
1/4" = 1'-0"



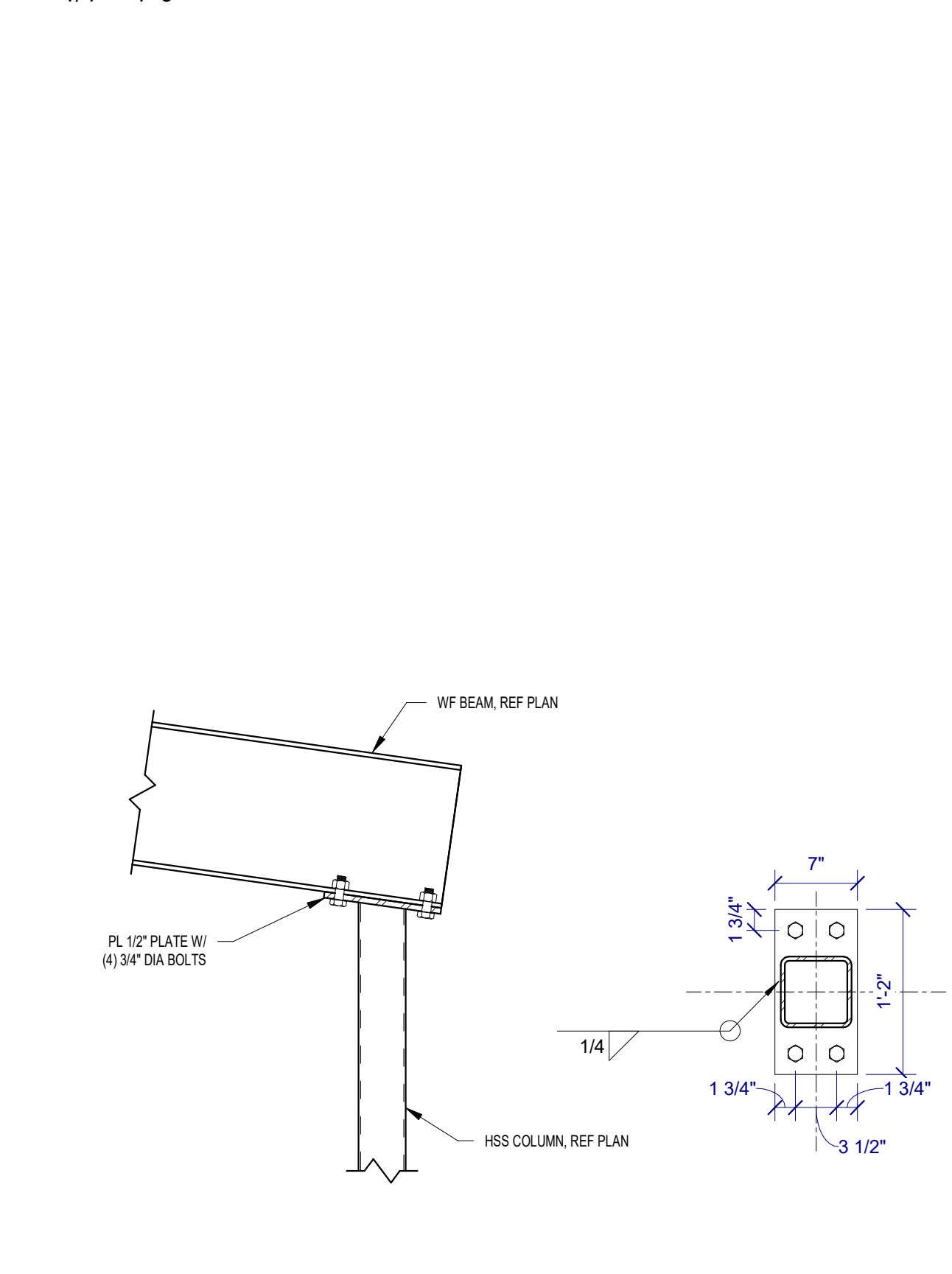
4 TYPICAL KNEE BRACE
3/4" = 1'-0"



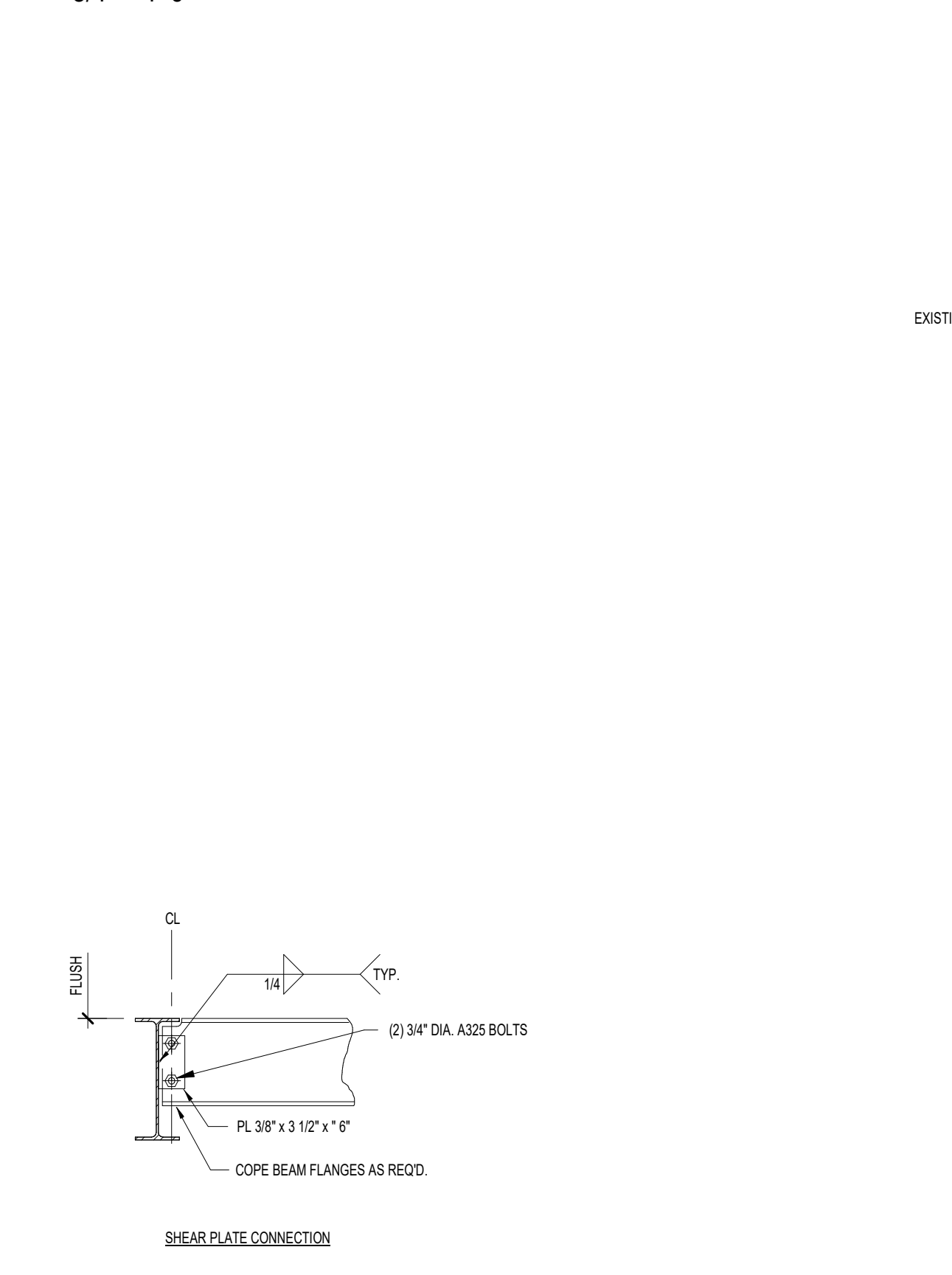
11 TYP BEAM CJP CONNECTION
3/4" = 1'-0"



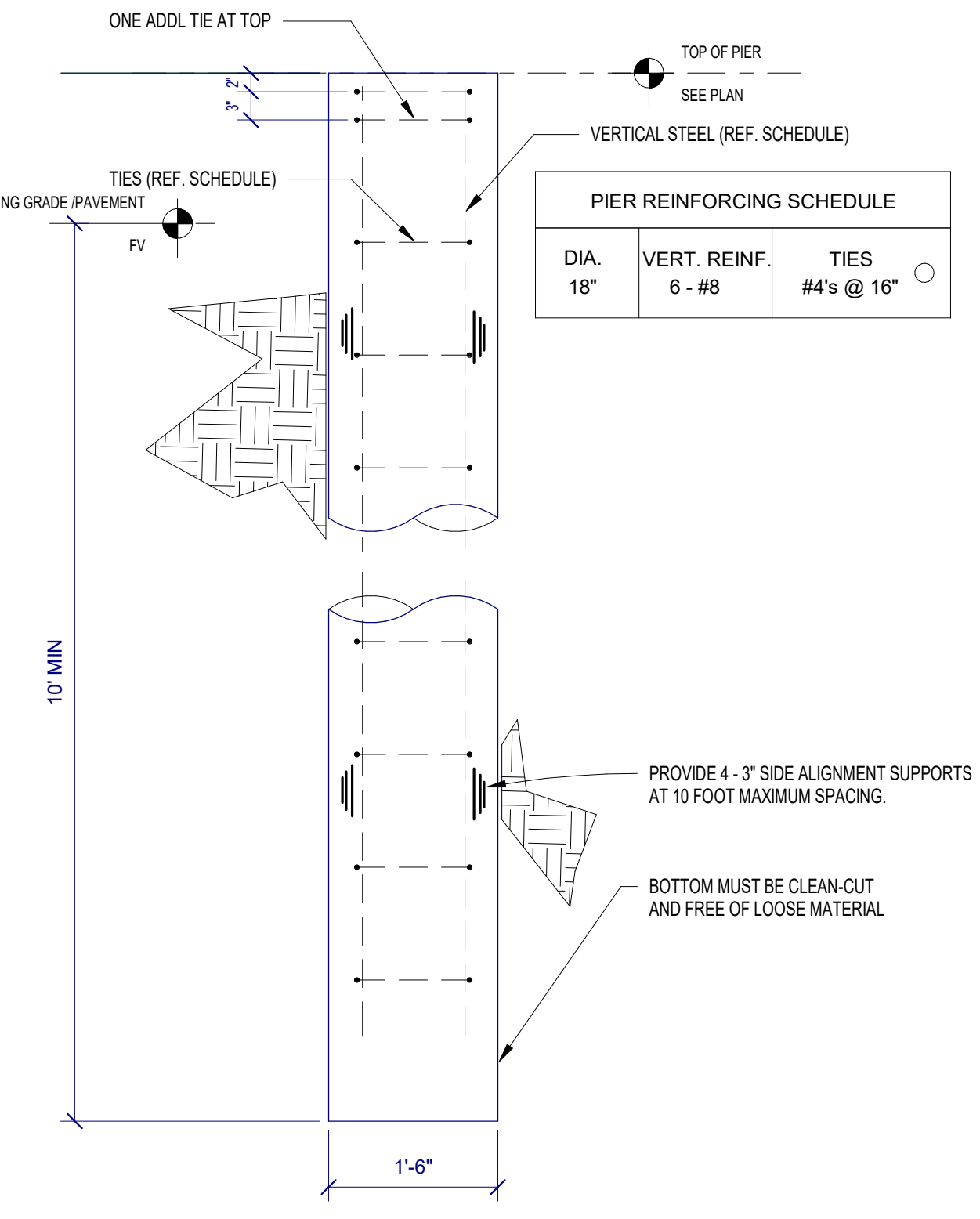
12 TYPICAL BEAM TO GIRDER SHEAR CONNECTION
3/4" = 1'-0"



13 TYPICAL STEEL BEAM ON TOP OF HSS COLUMN
1" = 1'-0"



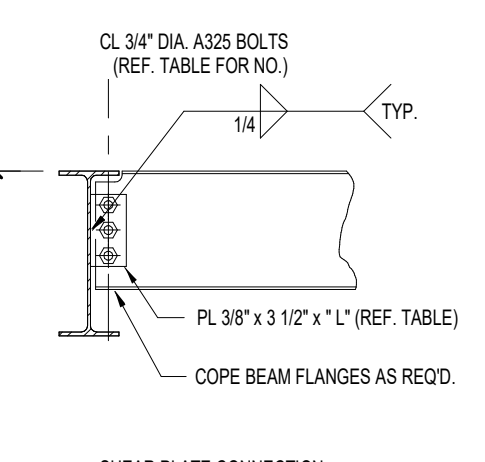
14 TYPICAL CHANNEL TO BEAM SHEAR CONNECTION
3/4" = 1'-0"



15 TYPICAL STRAIGHT SHAFT DRILLED PIER
3/4" = 1'-0"

- DRILLED AND UNDER-BEAMED PIER PLACEMENT NOTES**
- ALL DRILLED PIER CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "SPECIFICATION FOR THE CONSTRUCTION OF DRILLED PIERS, ACI 308-10" PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE. PIER PLACEMENT SHALL BE ACCOMPLISHED BY THE "DRY METHOD".
 - REFER TO THE PROJECT GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON CONSULTANTS, INC (REPORT NO. A155010, MARCH 30, 2015) FOR ALL SUBSURFACE CONDITIONS AND ADDITIONAL CONSTRUCTION REQUIREMENTS.
 - THE PROJECT GEOTECHNICAL ENGINEER MUST BE ON-SITE CONTINUOUSLY TO OBSERVE AND VERIFY ALL PIER CONSTRUCTION. ALL FOOTINGS SHALL BE DRILLED TO THE PROPER DEPTHS AND PROPER END BEARING STRATA AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 - DRILLED FOOTINGS SHALL BE CONSTRUCTED UTILIZING MACHINE DRILLING EQUIPMENT SUITABLY CONFIGURED FOR THE EXPECTED SOIL AND WATER CONDITIONS. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR INFORMATION ON THE SOIL CONDITIONS. SHAFTS SHALL BE TO THE DIMENSIONS AND DEPTHS SHOWN ON THE PLANS, AND DRILLED VERTICALLY TO A TOLERANCE OF 1" IN 10'.
 - NO EXCAVATIONS FOR DRILLED FOOTINGS WILL BE ALLOWED TO REMAIN INCOMPLETE OF CONCRETE AND REINFORCING AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS FOR THE DAY IN WHICH THEY ARE DRILLED.
 - ALL FOOTING EXCAVATIONS SHALL BE CLEANED OF LOOSE MATERIAL AND DESPITE BEING PLACING THE REINFORCING STEEL CAGE, THE PIER EXCAVATIONS SHALL RECEIVE THE APPROVAL OF THE GEOTECHNICAL ENGINEER BEFORE THE PLACEMENT OF REINFORCING STEEL AND CONCRETE.
 - ALL PIER CONCRETE SHALL BE NORMAL WEIGHT (SAND AND GRAVEL AGGREGATE) WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. CONCRETE MIX SHALL CONTAIN A MINIMUM 325 POUNDS OF CEMENT PER CUBIC YARD PLUS FLY ASH (25% MAX. BY WEIGHT), BUT NO LESS THAN 45 POUNDS OF TOTAL CEMENTITIOUS MATERIALS PER CUBIC YARD. THE CONCRETE SLUMP SHALL BE BETWEEN 5" TO 7" FOR PIERS PLACED BY THE "DRY METHOD". USE OF AIR ENTRAINMENT ADMIXTURE IN PIER CONCRETE IS OPTIONAL.

BEAM	BOLTS	L"	SHEAR CAPACITY
W8, W10	2	8"	26K
W12, W14	3	8"	48K
W16, W18	4	10"	65K
W21	5	13"	85K
W24	6	14"	96K



12 TYPICAL BEAM TO GIRDER SHEAR CONNECTION
3/4" = 1'-0"

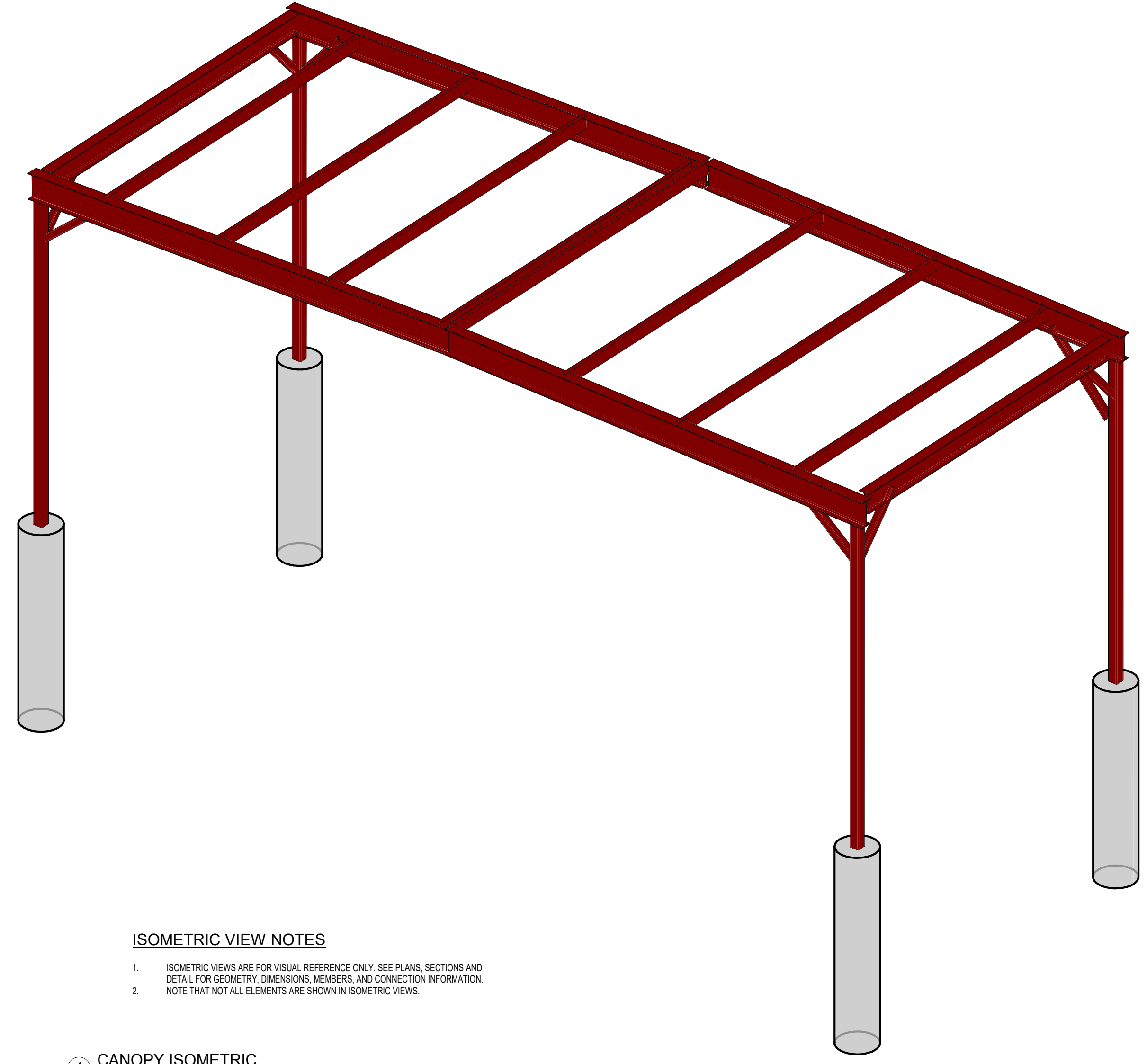
THIS DRAWING HAS BEEN AUTHORIZED FOR RELEASE BY DREW S DUDLEY, P.E. LICENSED TEXAS ENGINEER #123786 FOR PURPOSES OF REVIEW AND PRELIMINARY PRICING. THIS DRAWING SHALL NOT BE USED FOR PERMIT OR CONSTRUCTION.

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REVISIONS	
NUMBER	DATE

BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DRIVE BRYAN, TX 77803
CANOPY ISOMETRICS

Project Number:
20-116
Sheet issue date:
03/17/20



ISOMETRIC VIEW NOTES
1. ISOMETRIC VIEWS ARE FOR VISUAL REFERENCE ONLY. SEE PLANS, SECTIONS AND DETAIL FOR GEOMETRY, DIMENSIONS, MEMBERS, AND CONNECTION INFORMATION.
2. NOTE THAT NOT ALL ELEMENTS ARE SHOWN IN ISOMETRIC VIEWS.

① CANOPY ISOMETRIC

NUMBER	DATE

CODES USED FOR THIS REVIEW ARE:
2015 FAMILY OF THE INTERNATIONAL BUILDING CODES
NEC 2017
NFPA LIFE SAFETY 101

THERE IS ONE AREA IN THE SCOPE OF THIS PROJECT

BUILDING AREA:
EDUCATIONAL (E)
TYPE IIB CONSTRUCTION, NON-COMBUSTIBLE

TOTAL ALLOWABLE SF:
EDUCATIONAL OCCUPANCY = 14,500 SF ALLOWABLE PER FIRE AREA (NO SPRINKLERS)
EDUCATIONAL OCCUPANCY = 43,500 SF ALLOWABLE PER FIRE AREA (SPRINKLERS)
BUSINESS OCCUPANCY IS ACCESSORY TO EDUCATIONAL OCCUPANCY

THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM

ONE FIRE AREA:
FIRE AREA 1 = 17,913 SF, LESS THAN ALLOWABLE

ALL CORRIDORS ARE TO BE RATED MINIMUM 1 HOUR AS REQUIRED PER TABLE 1020.1 OF 2015 IBC.

OCCUPANT LOAD SCHEDULE			
NAME	AREA	OCCUPANT LOAD FACTOR AREA	OCCUPANT LOAD
EDUCATIONAL (E)	758 SF	20 SF	38
EDUCATIONAL (E)	761 SF	20 SF	39
EDUCATIONAL (E)	743 SF	20 SF	38
EDUCATIONAL (E)	759 SF	20 SF	38
EDUCATIONAL (E)	1476 SF	20 SF	74
EDUCATIONAL (E)	766 SF	20 SF	39
EDUCATIONAL (E)	765 SF	20 SF	39
EDUCATIONAL (E)	185 SF	20 SF	10
EDUCATIONAL (E)	755 SF	20 SF	38
EDUCATIONAL (E)	766 SF	20 SF	39
EDUCATIONAL (E)	759 SF	20 SF	38
EDUCATIONAL (E)	759 SF	20 SF	38
EDUCATIONAL (E)	749 SF	20 SF	38
EDUCATIONAL (E)			506

EGRESS COMPONENTS:
EGRESS COMPONENTS ARE SIZED PER THE MAXIMUM POSSIBLE OCCUPANT LOAD OF ALL SPACES AS SHOWN IN THE CHART. 0.2' PER OCCUPANT IS PROVIDED FOR EACH MEANS OF EGRESS

EDUCATIONAL (E) = 506 OCCUPANTS
506 OCCUPANTS * 2' = 1012.2' REQUIRED 1 EXIT PROVIDED AT 32" = 32" 2 EXITS PROVIDED AT 68" = 136"
TOTAL PROVIDED: 168"

PER TABLE 1014.3, MAXIMUM TRAVEL DISTANCE TO EGRESS IS 75' IN A BUILDING NOT EQUIPPED WITH AUTOMATIC FIRE SPRINKLERS.

THERE ARE NO DEAD END CORRIDORS.

PLUMBING FIXTURES:
EDUCATIONAL (E) REQUIRED: W.C.S. 1:50 MALE, 1:50 FEMALE
MALE = 6 FEMALE = 6
PROVIDED FIRST FLOOR: MALE = 4 FEMALE = 4
PROVIDED SECOND FLOOR: MALE = 4 FEMALE = 5

OCCUPANTS = 506 MALES = 253 FEMALES = 253
LAVS. 1:50 MALE, 1:50 FEMALE
MALE = 6 FEMALE = 6
MALE = 3 FEMALE = 3
MALE = 3 FEMALE = 4

EDF. 1:100
REQUIRED = 6
PROVIDED = 4
PROVIDED = 4

TOTAL REQUIRED: 6 MALE + 6 FEMALE 6 MALE + 6 FEMALE EDF = 6
TOTAL PROVIDED: 8 MALE + 9 FEMALE 6 MALE + 7 FEMALE EDF = 8

SERVICE SINK: REQ'D FIXTURES = 1 ACTUAL PROVIDED = 1

- ← EXIT. EACH ARROW REPRESENTS EGRESS PASSAGE THROUGH A: 36" DOOR CALCULATED AS 32" OF CLEAR PASSAGE AND 72" DOOR AND CALCULATED AS 88" OF CLEAR PASSAGE 32" / 0.2' PER EGRESSING OCCUPANT = 160 EGRESSING OCCUPANTS 68" / 0.2' PER OCCUPANT = 340 EGRESSING OCCUPANTS
- - - EGRESS PATH
- EGRESS DECISION POINT
- ⊙ ILLUMINATED EXIT SIGN (SIGN DIRECTION IS BLACK)
- TES TACTILE EXIT SIGN
- FEC FIRE EXTINGUISHER CABINET LOCATIONS, REFER PLAN (NOTE: FINAL QUANTITY AND LOCATION TO BE DETERMINED BY LOCAL AUTHORITY HAVING JURISDICTION. MOUNT WHERE RESTRICTED WITH BOTTOM EDGE OF CABINET NO GREATER THAN 27" A.F.F. IN LOCATIONS WHERE CABINETS PROJECT GREATER THAN 4" FROM FACE OF WALL.)
- PER TABLE 906.3(1) OF 2015 IFC, ONE CLASS A FIRE EXTINGUISHER IS REQUIRED PER 11,250 SF OF FLOOR AREA AND THE TRAVEL DISTANCE CANNOT BE GREATER THAN 75 FEET.

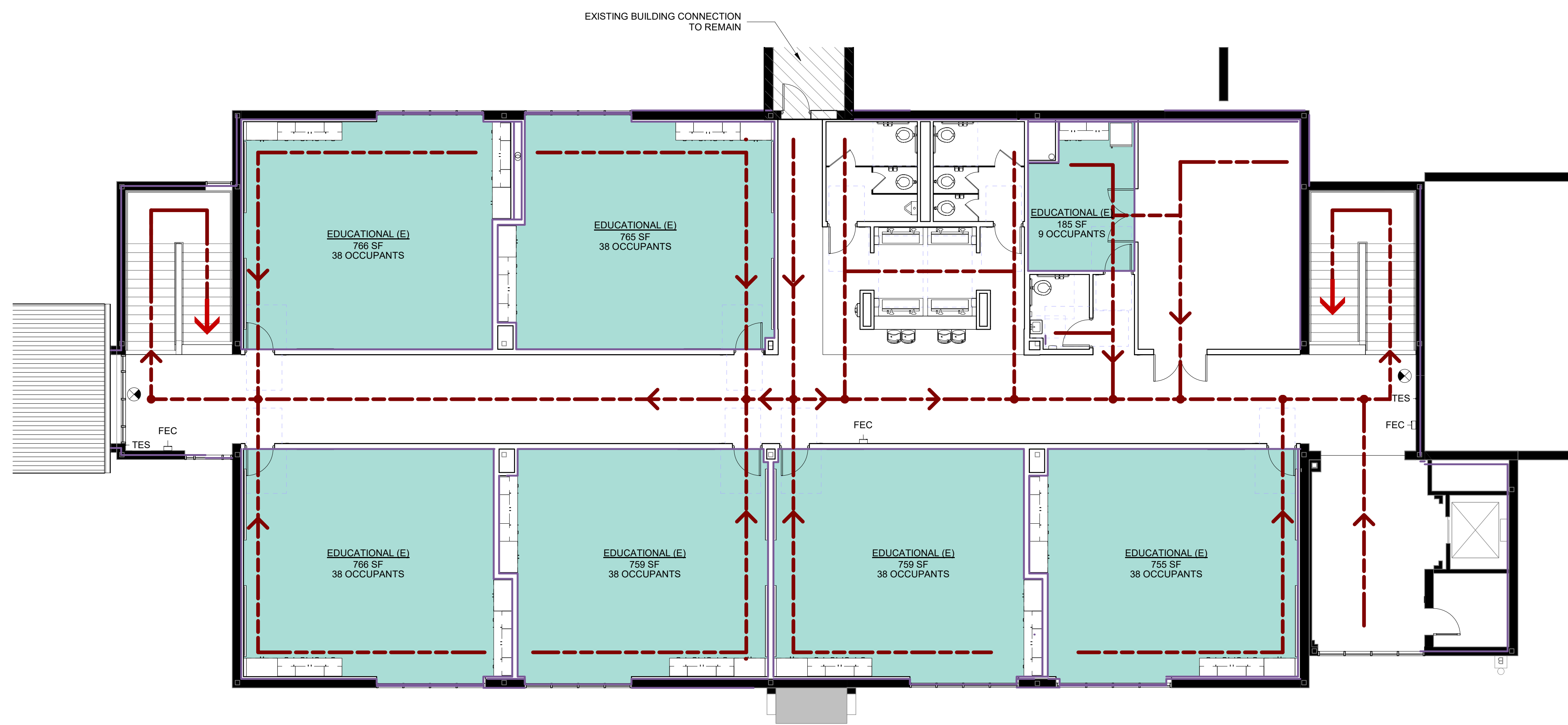
PER TABLE 903.2 OF 2015 IBC, AN AUTOMATIC SPRINKLER SYSTEM SHALL BE REQUIRED FOR GROUP OCCUPANCIES WHERE THE FIRE AREA EXCEEDS 12,000 SF

1003.5 Elevation change. Where changes in elevation of less than 12 inches (305 mm) exist in the means of egress, sloped surfaces shall be used. Where the slope is greater than one unit vertical in 20 units horizontal (5-percent slope), ramps complying with Section 1010 shall be used. Where the difference in elevation is 6 inches (152 mm) or less, the ramp shall be equipped with either handrails or floor finish materials that contrast with adjacent floor finish materials.

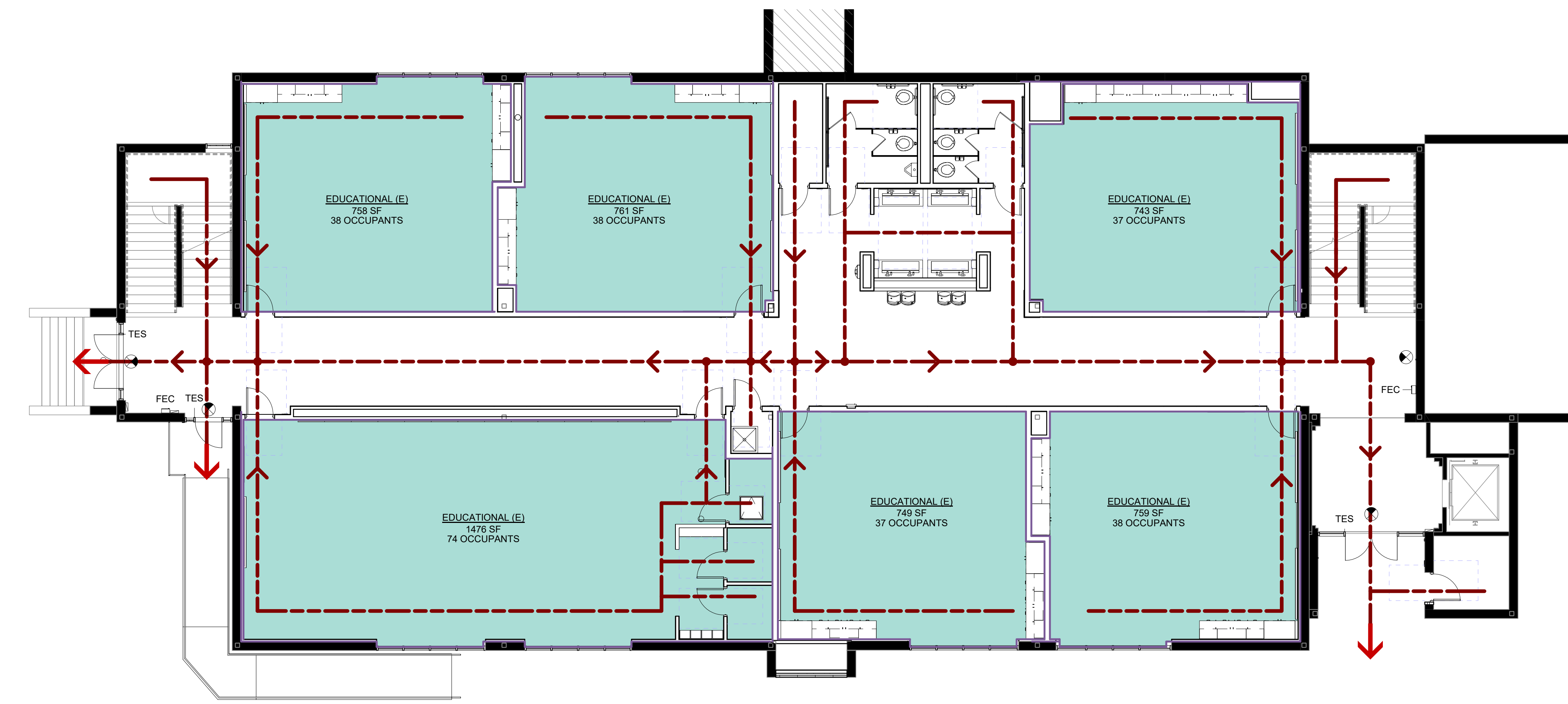
Exceptions:
1. A single step with a maximum riser height of 7 inches (178 mm) is permitted for buildings with occupancies in Groups F, H, R-2, R-3, S and at exterior doors not required to be accessible by Chapter 11.
2. A stair with a single riser or with two risers and a tread is permitted at locations not required to be accessible by Chapter 11, provided that the risers and treads comply with Section 1009.4, the minimum depth of the tread is 13 inches (330 mm) and at least one handrail complying with Section 1012 is provided within 30 inches (762 mm) of the centerline of the normal path of egress travel on the stair.

703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWINGS BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

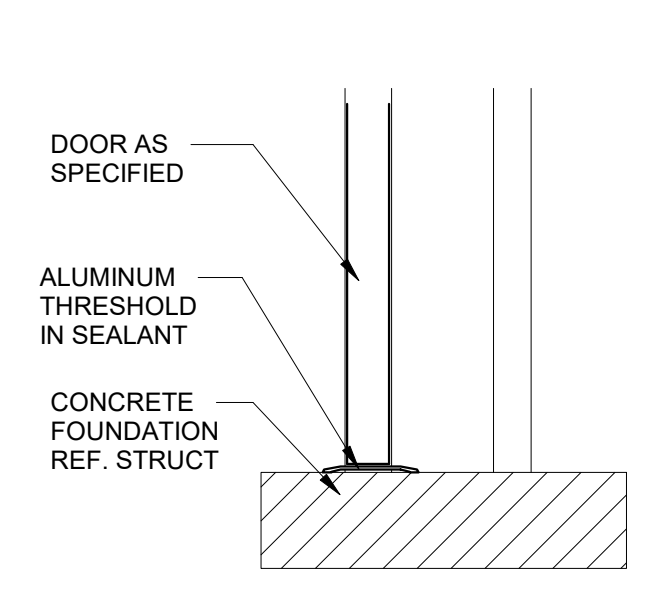


2 CODE REVIEW - AREA PLAN - SECOND FLOOR
1/8" = 1'-0"

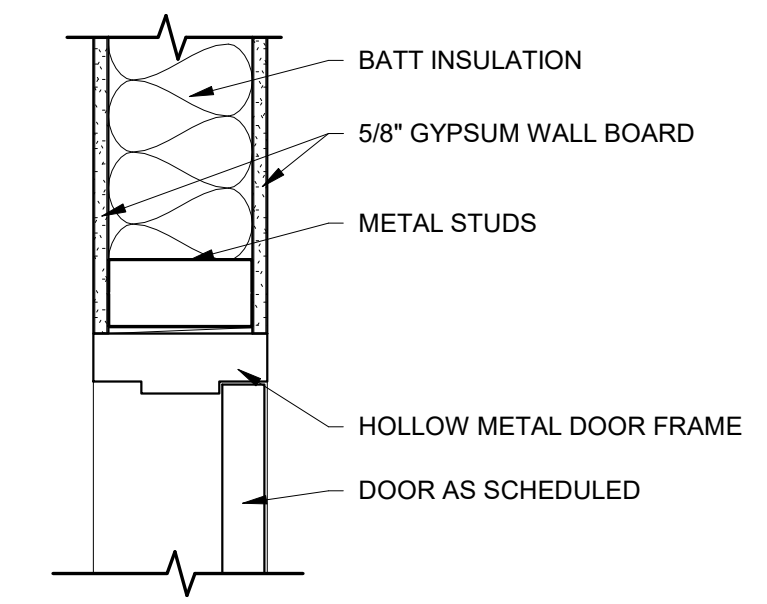


1 CODE REVIEW - AREA PLAN - FIRST FLOOR
1/8" = 1'-0"

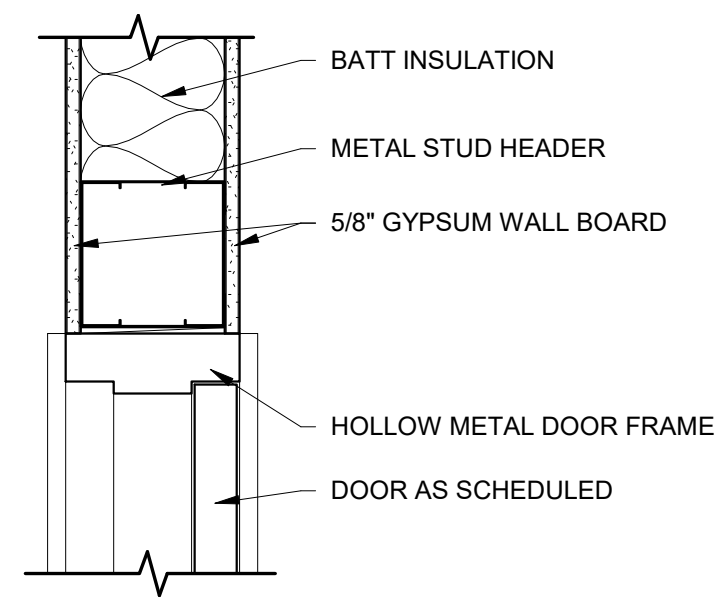
REVISIONS	
NUMBER	DATE



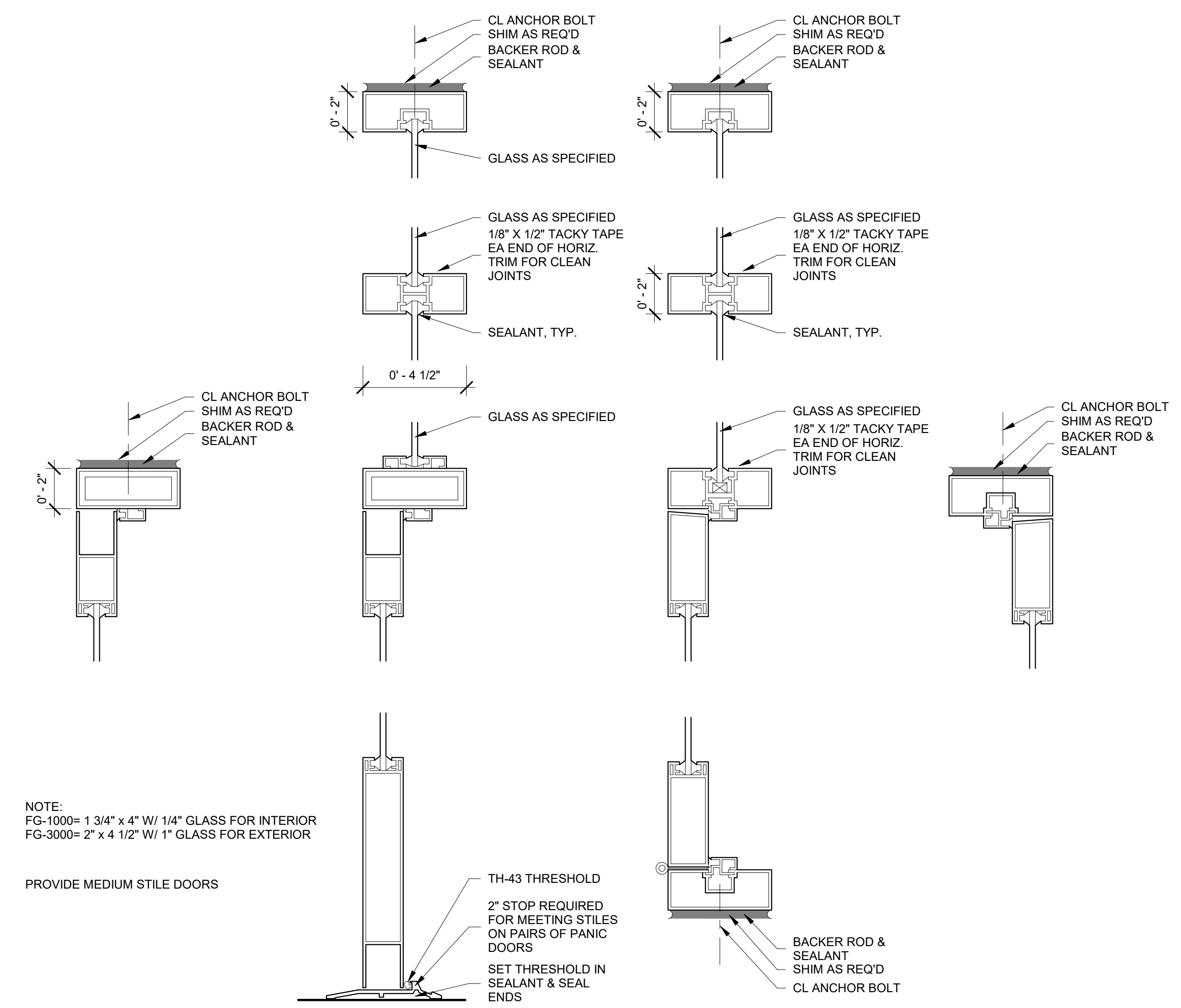
12 HOLLOW METAL DOOR FRAME
1/16" = 1'-0"



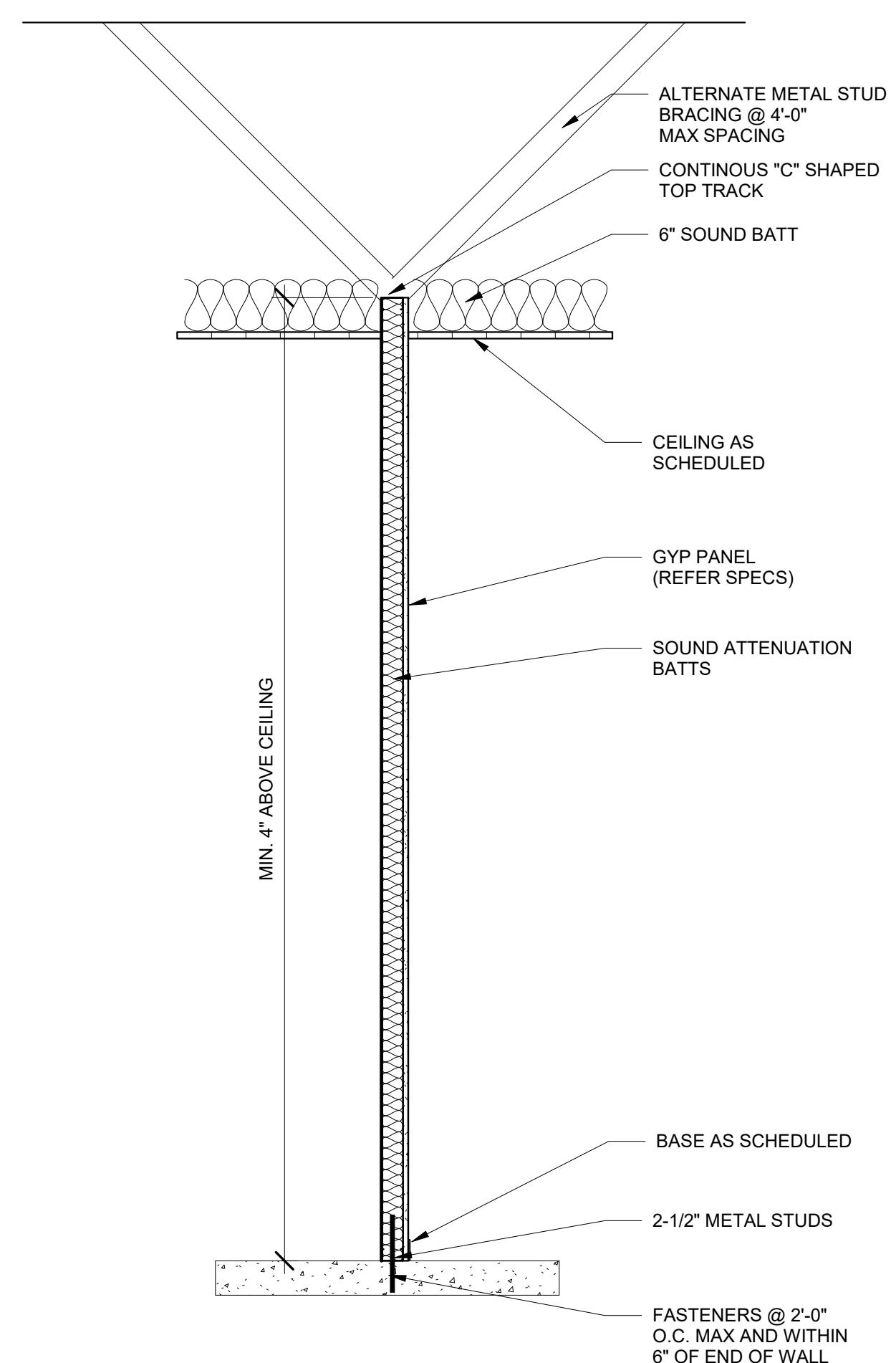
11 HM DOOR JAMB - STUD/GYP
1/16" = 1'-0"



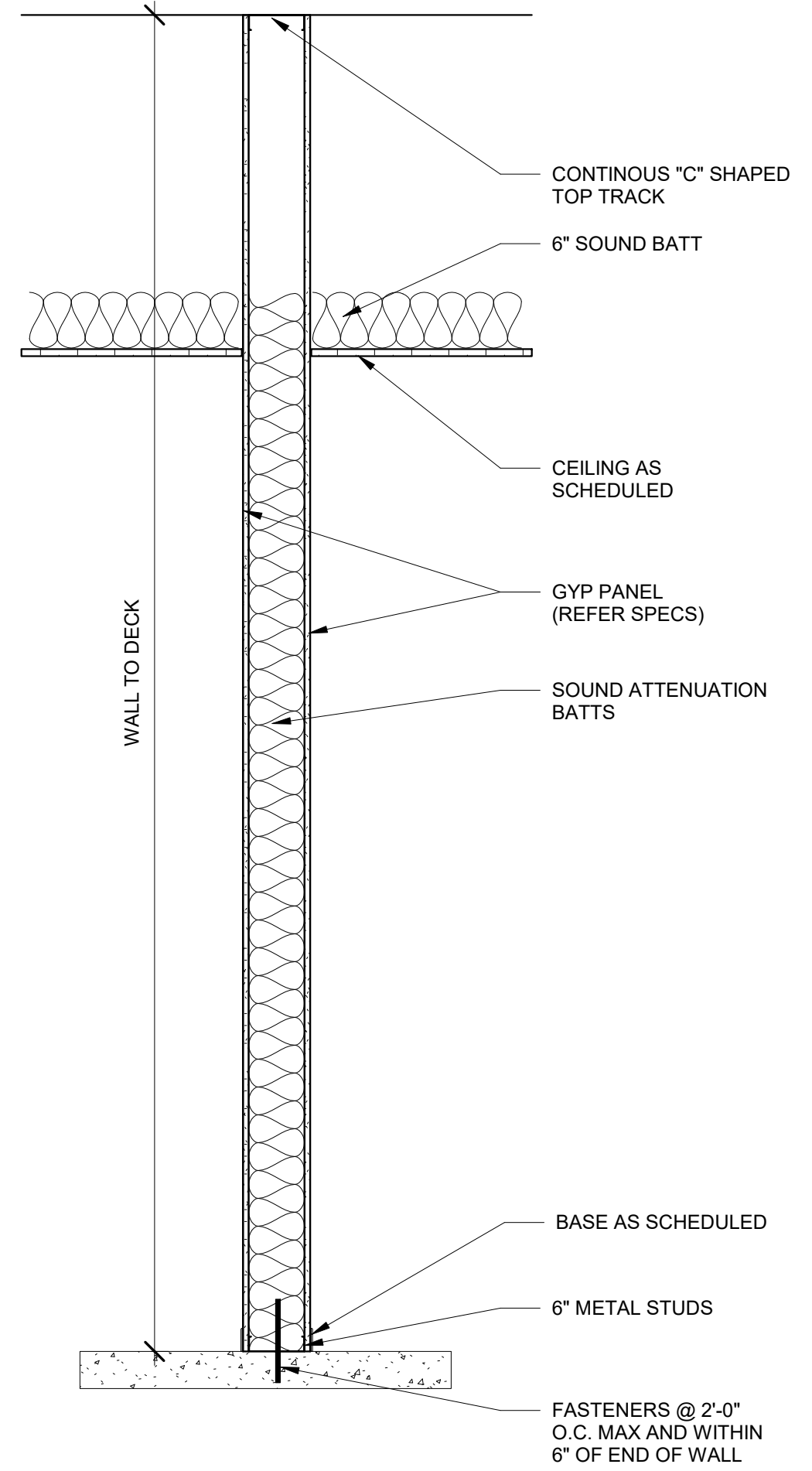
10 HM DOOR HEAD - STUD/GYP
1/16" = 1'-0"



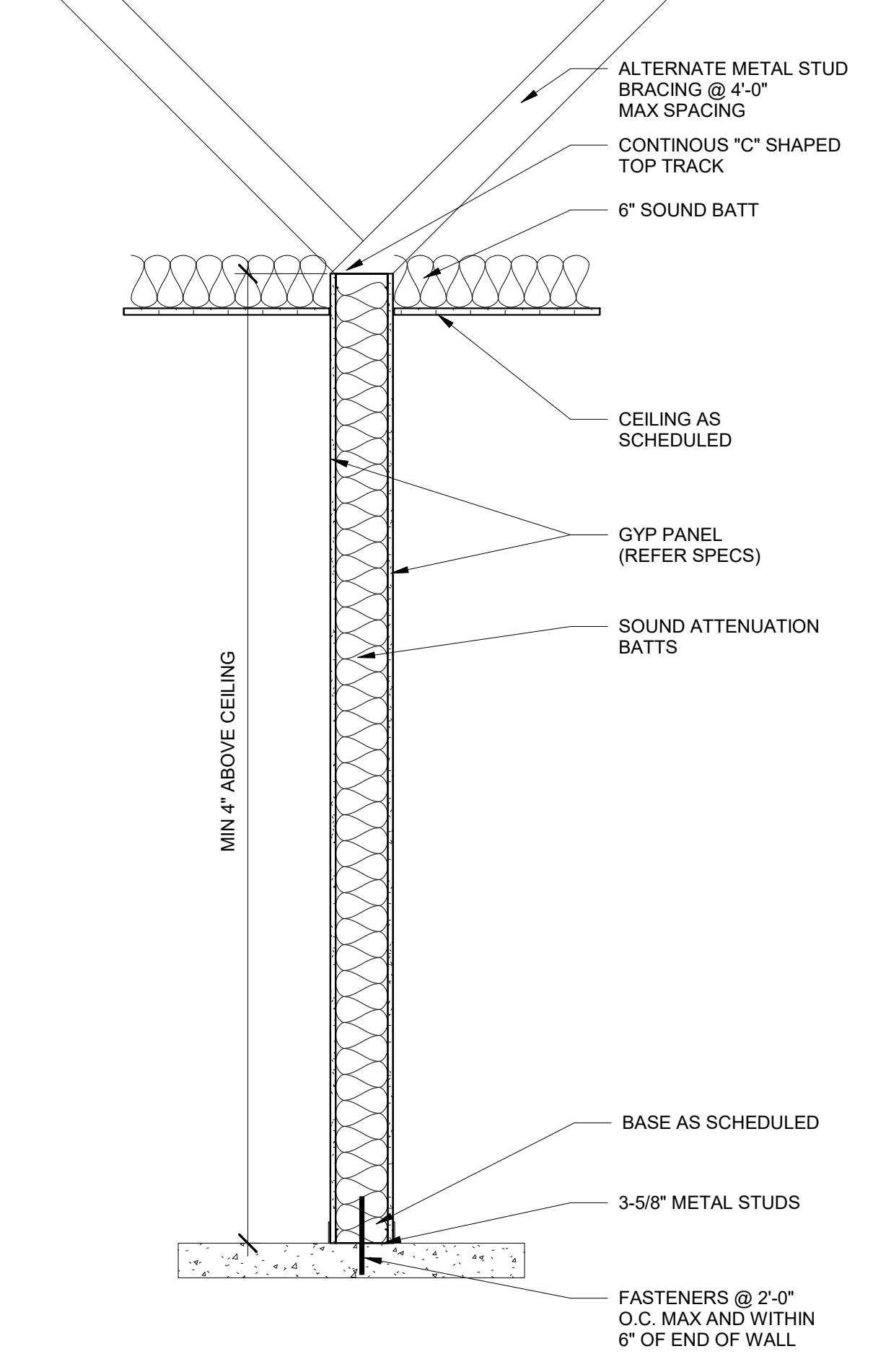
9 STOREFRONT DETAILS
3/4" = 1'-0"



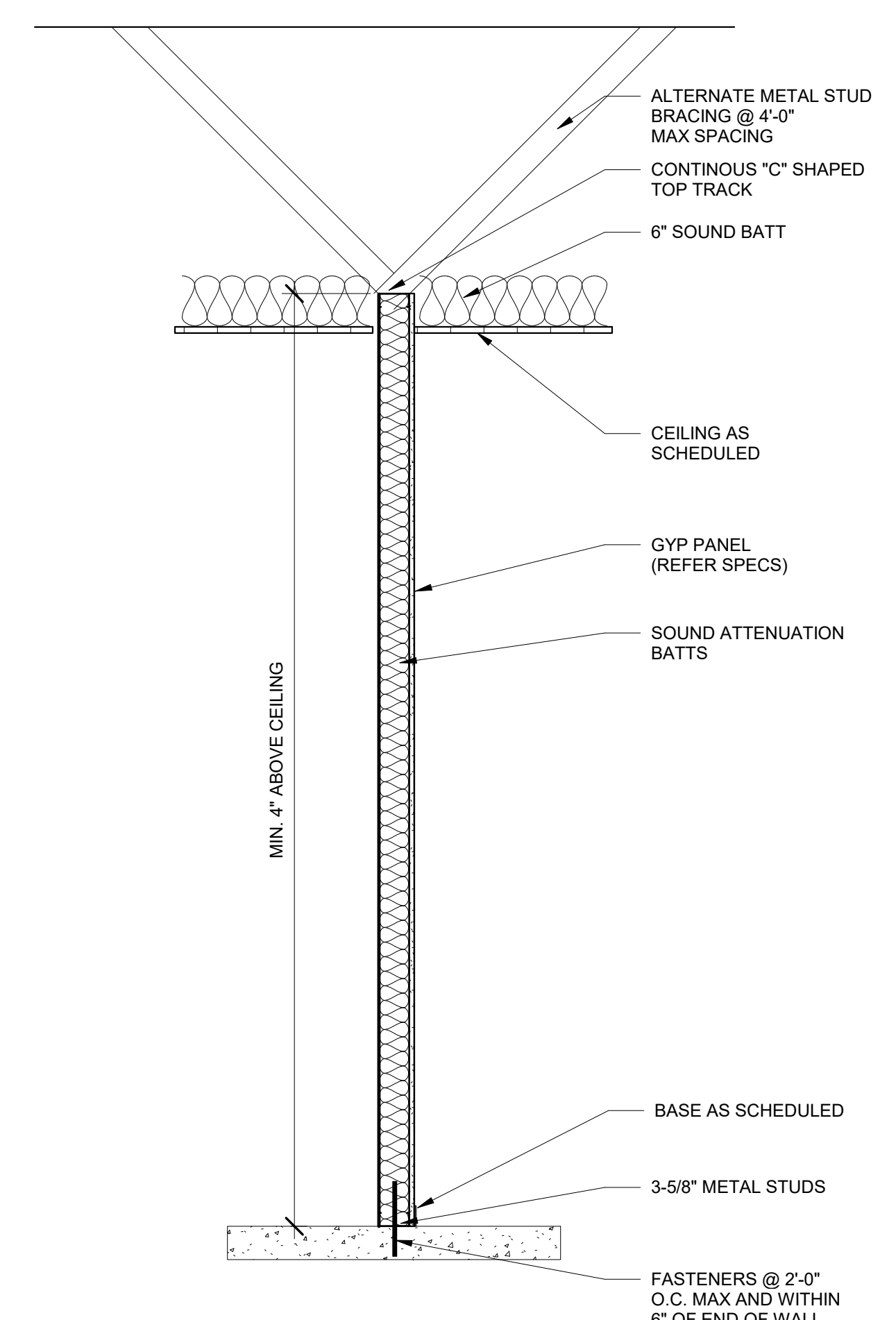
8 PARTITION TYPE '2L'
3/4" = 1'-0"



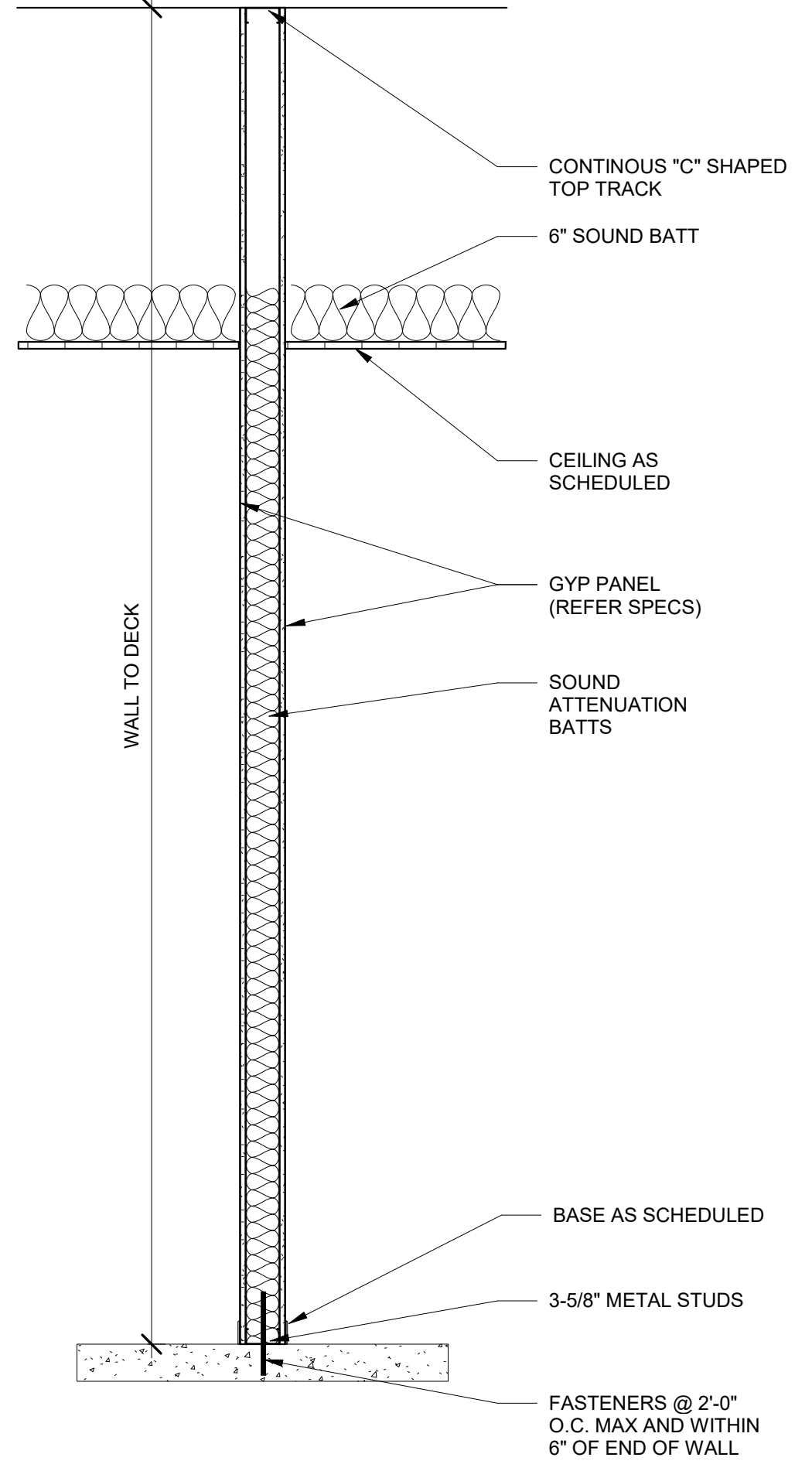
7 PARTITION TYPE '6F'
3/4" = 1'-0"



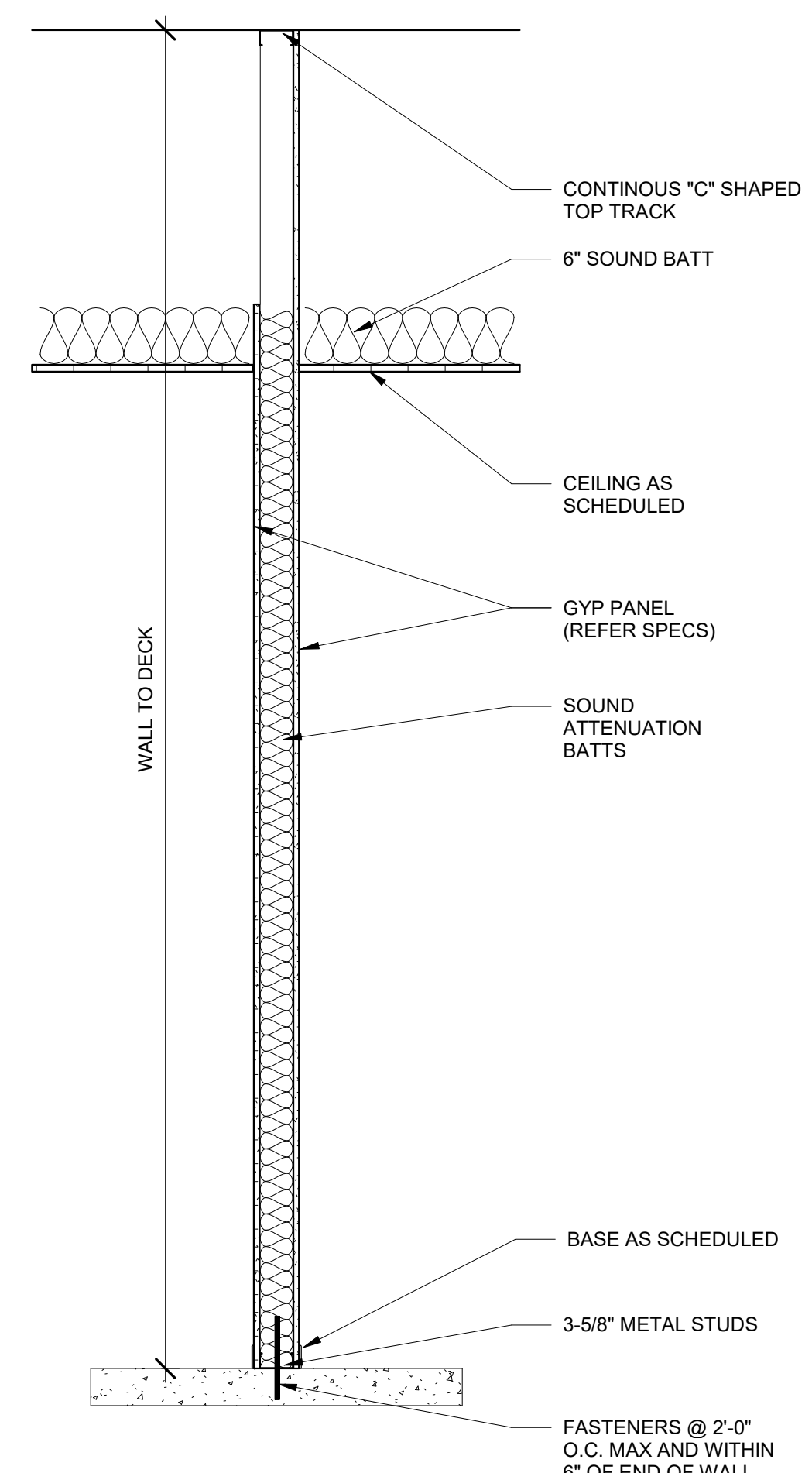
6 PARTITION TYPE '6B'
3/4" = 1'-0"



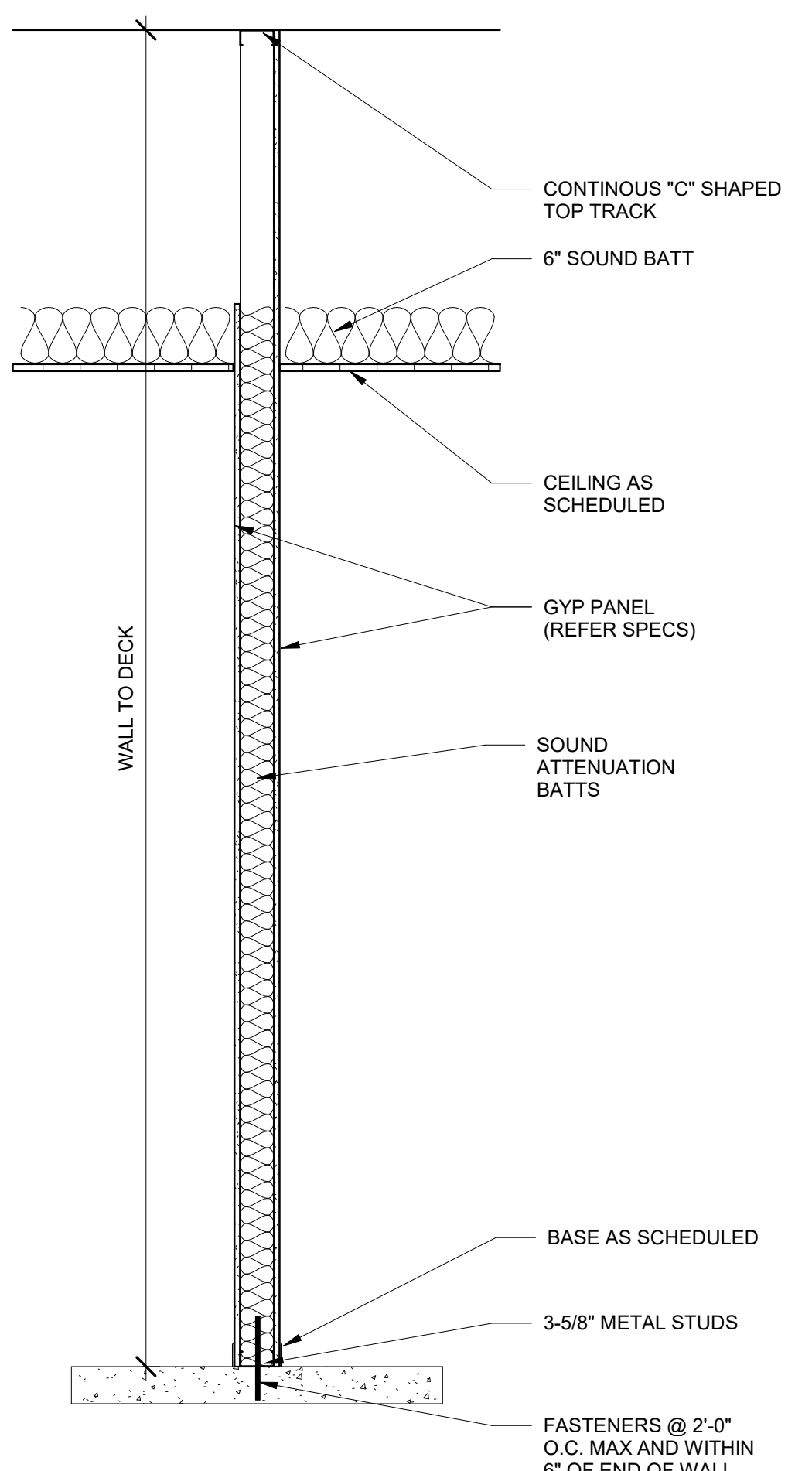
5 PARTITION TYPE '3L'
3/4" = 1'-0"



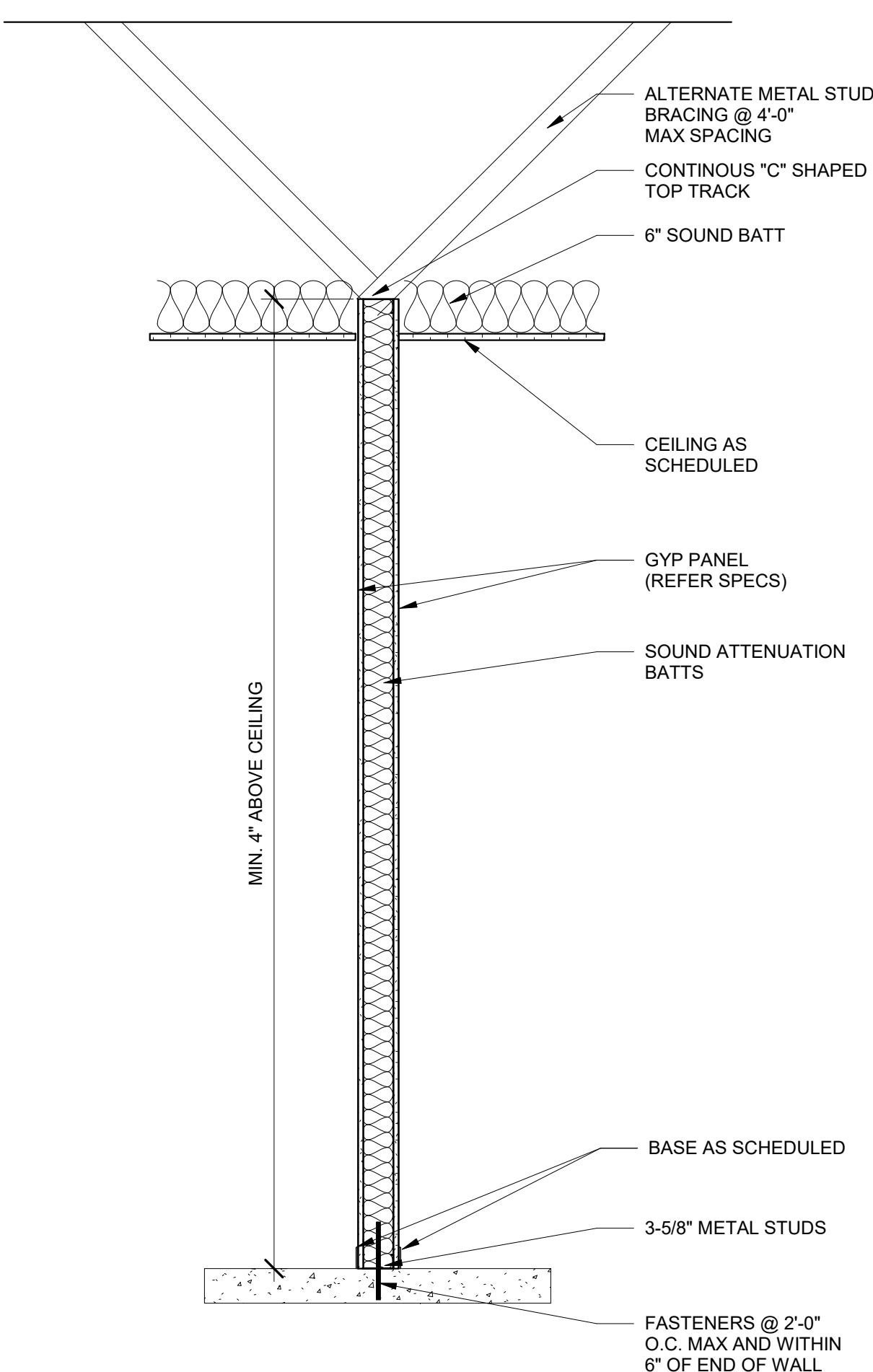
4 PARTITION TYPE '3F'
3/4" = 1'-0"



3 PARTITION TYPE '3E'
3/4" = 1'-0"

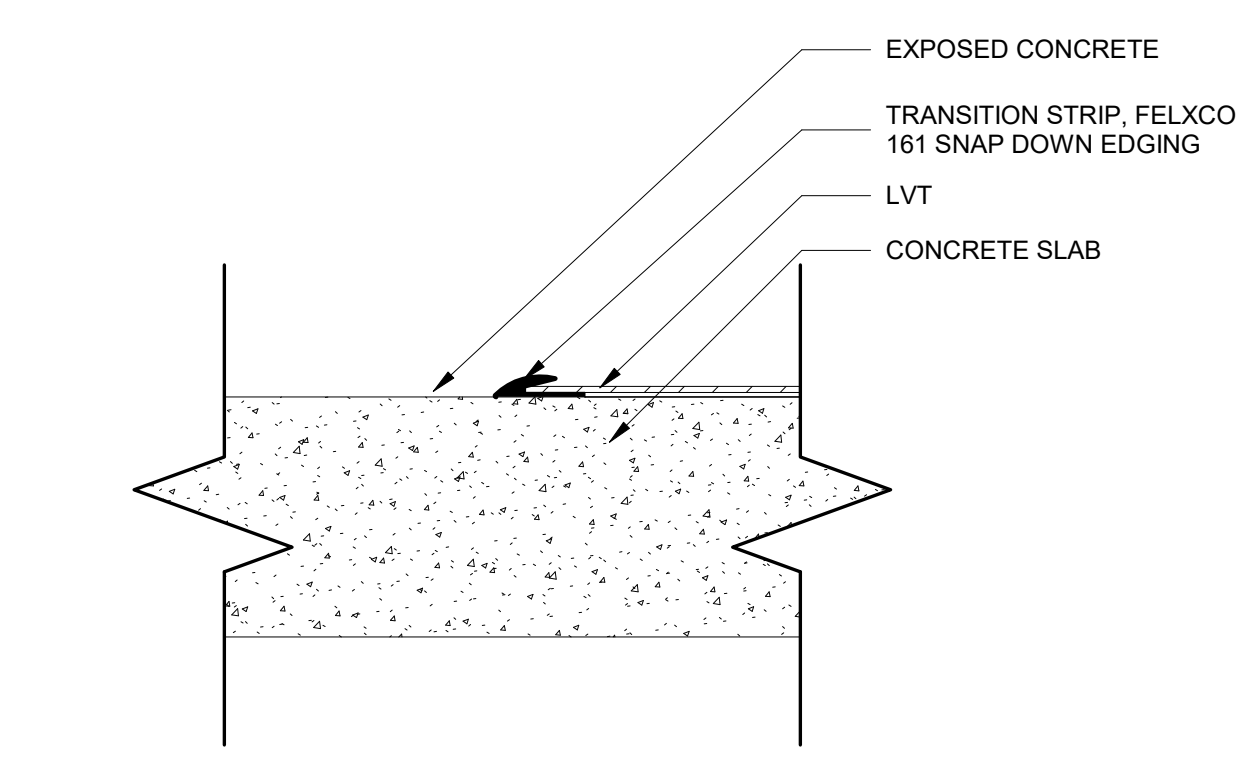


2 PARTITION TYPE '3D'
3/4" = 1'-0"

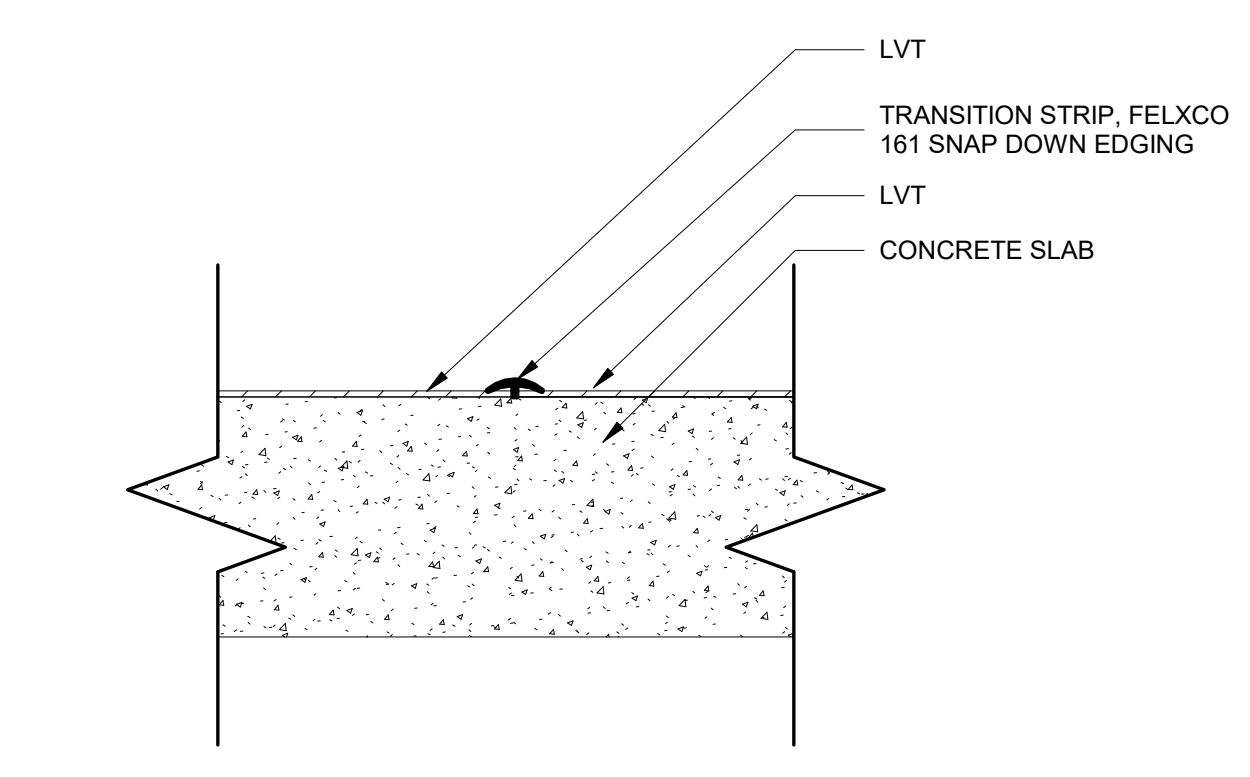


1 PARTITION TYPE '3B'
3/4" = 1'-0"

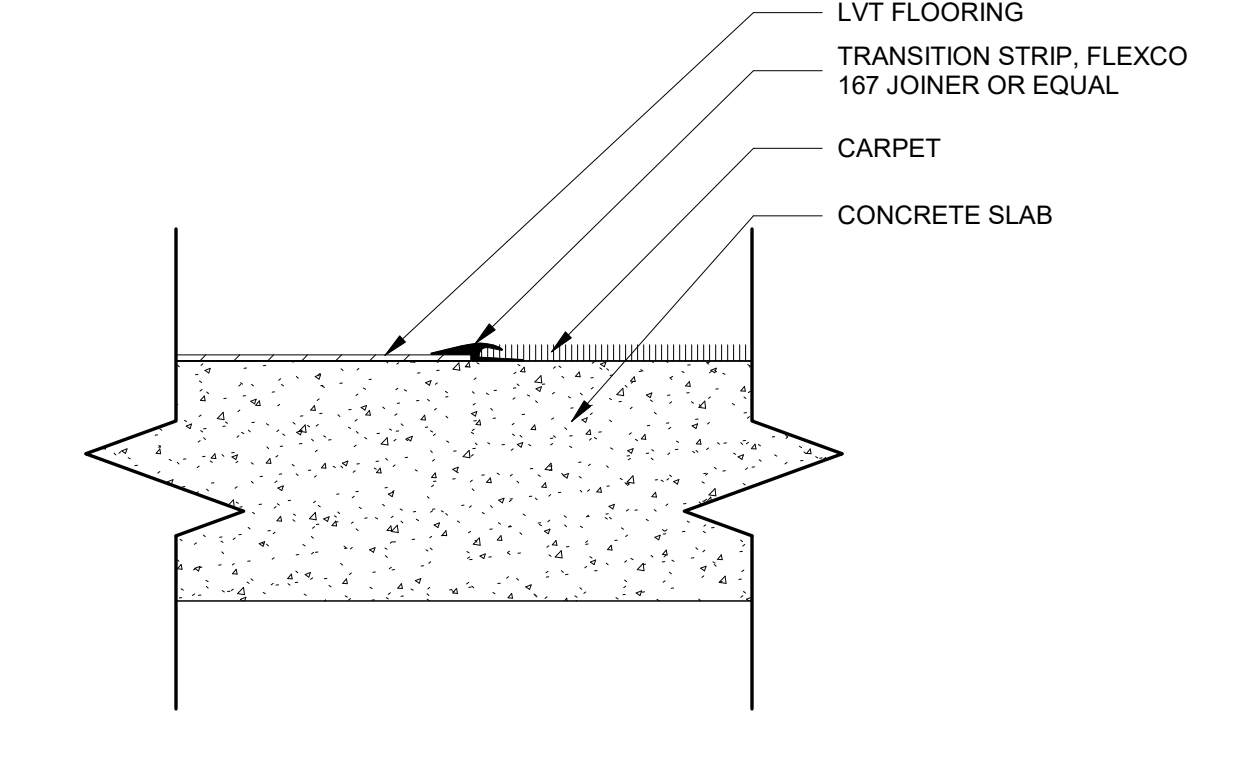
REVISIONS	
NUMBER	DATE



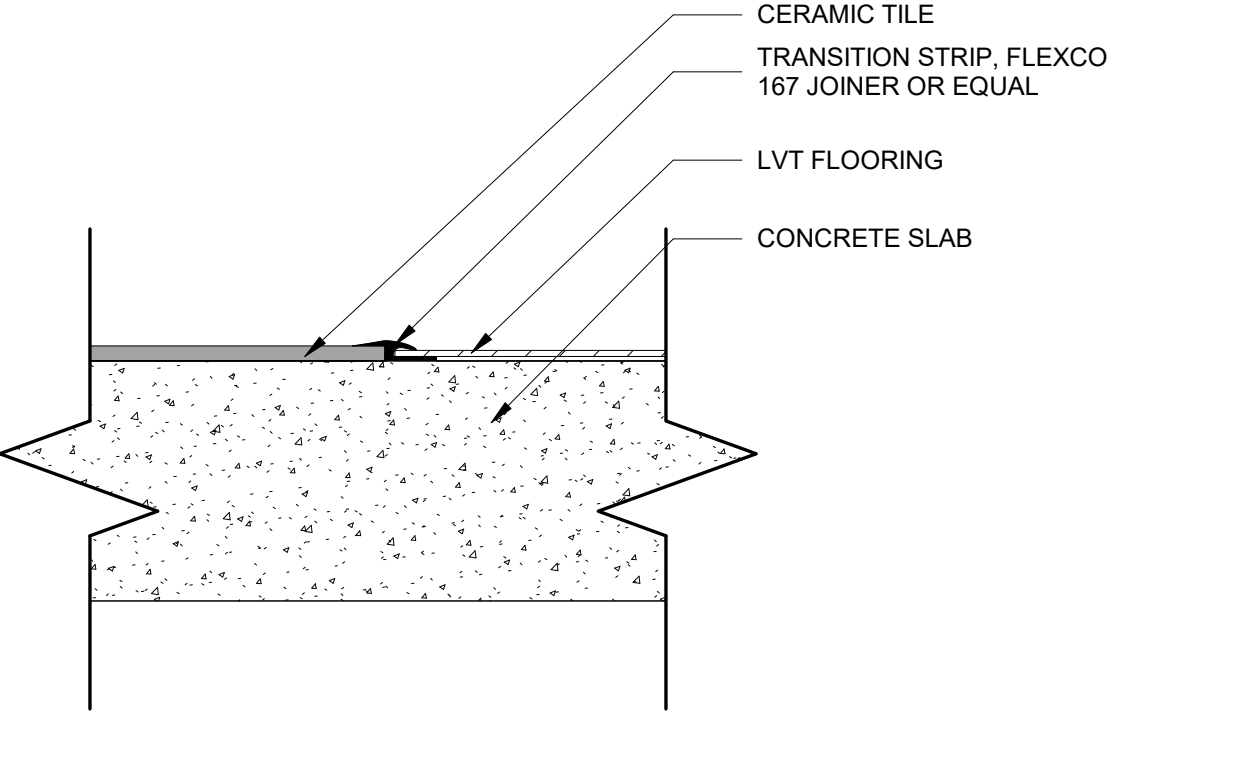
14 FLOOR, EDGE GUARD
3' x 1'-0"



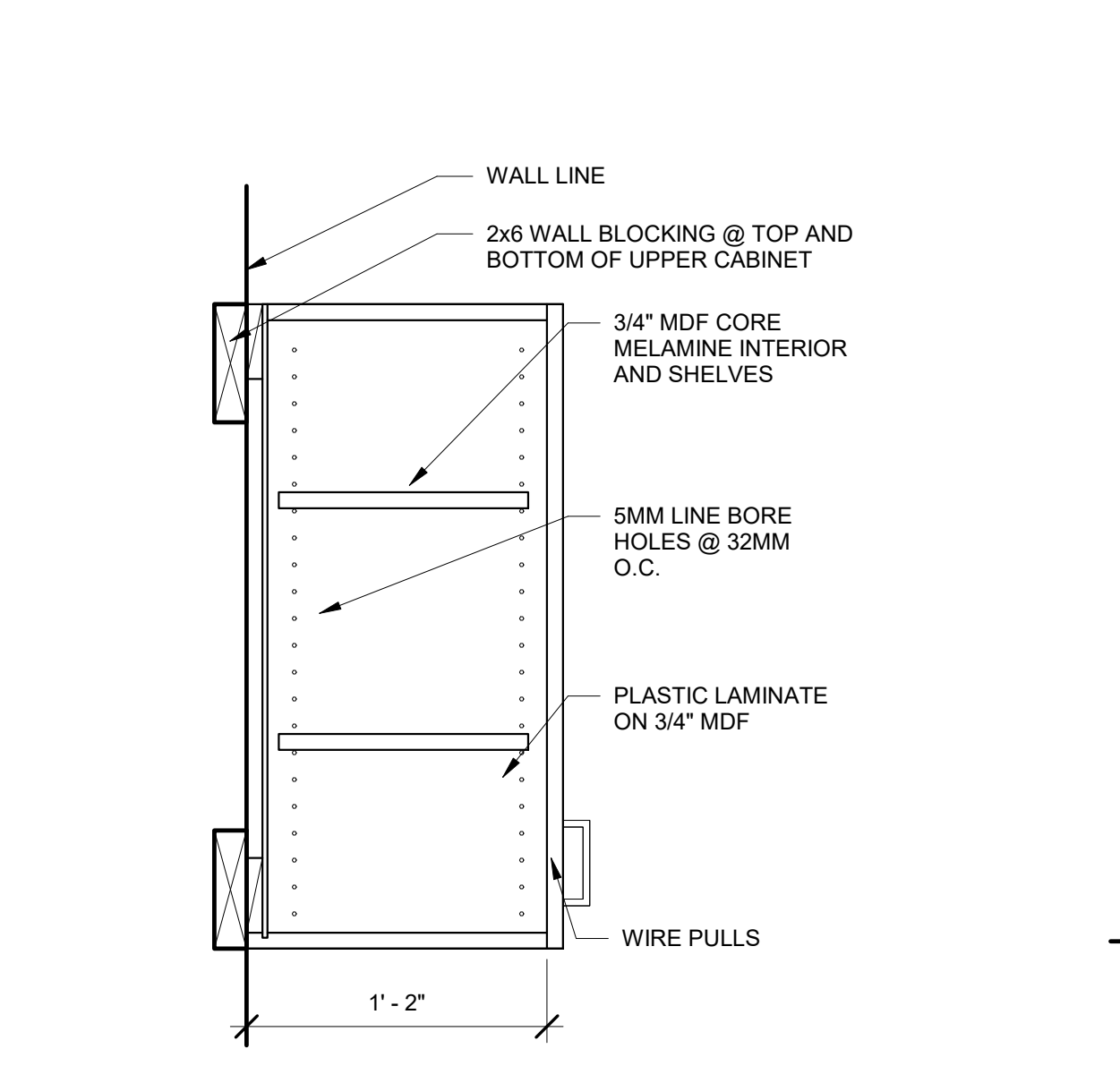
13 FLOOR, TRANSITION STRIP - LVT TO LVT
3' x 1'-0"



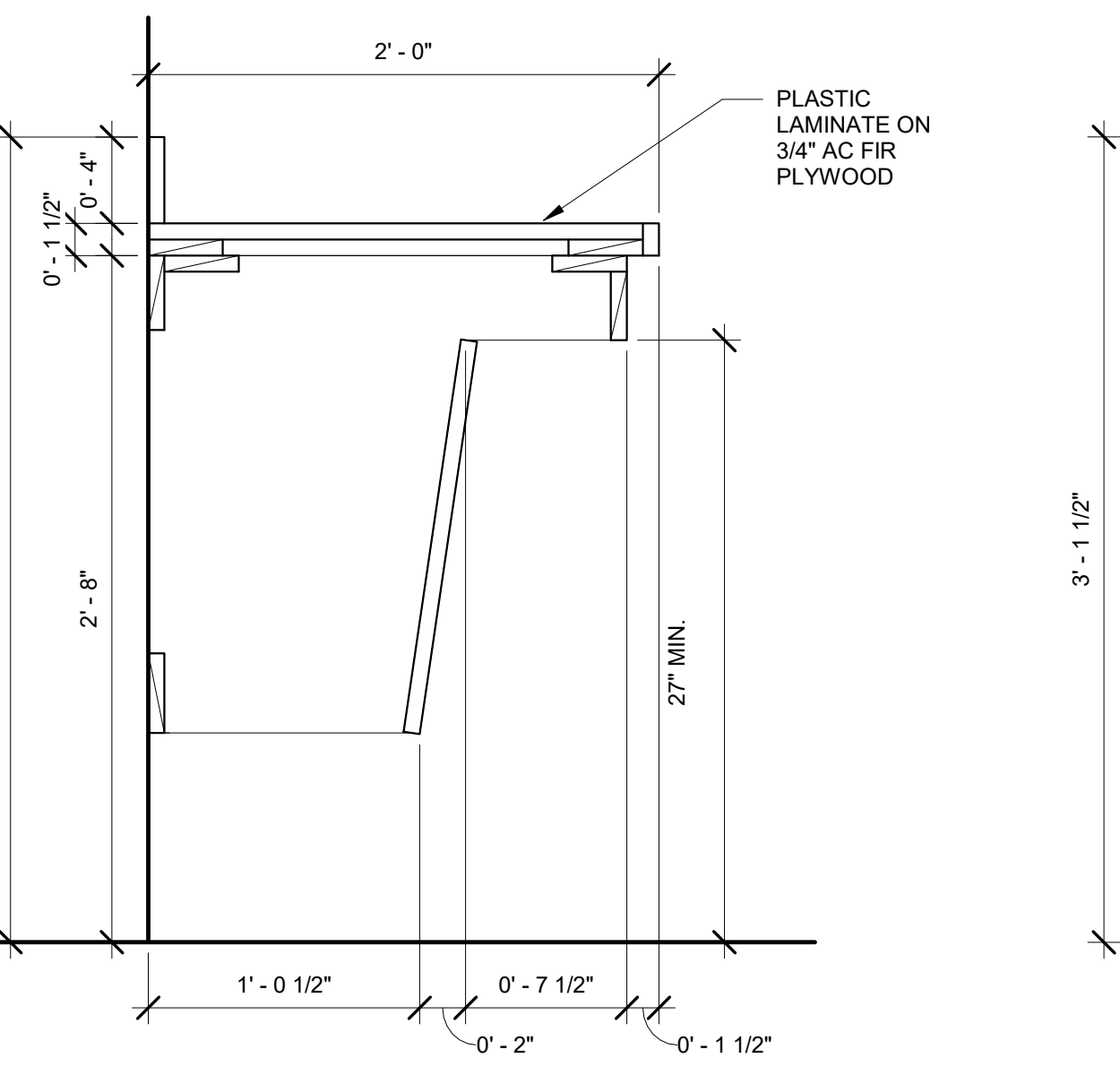
12 FLOOR, TRANSITION STRIP - LVT TO CARPET
3' x 1'-0"



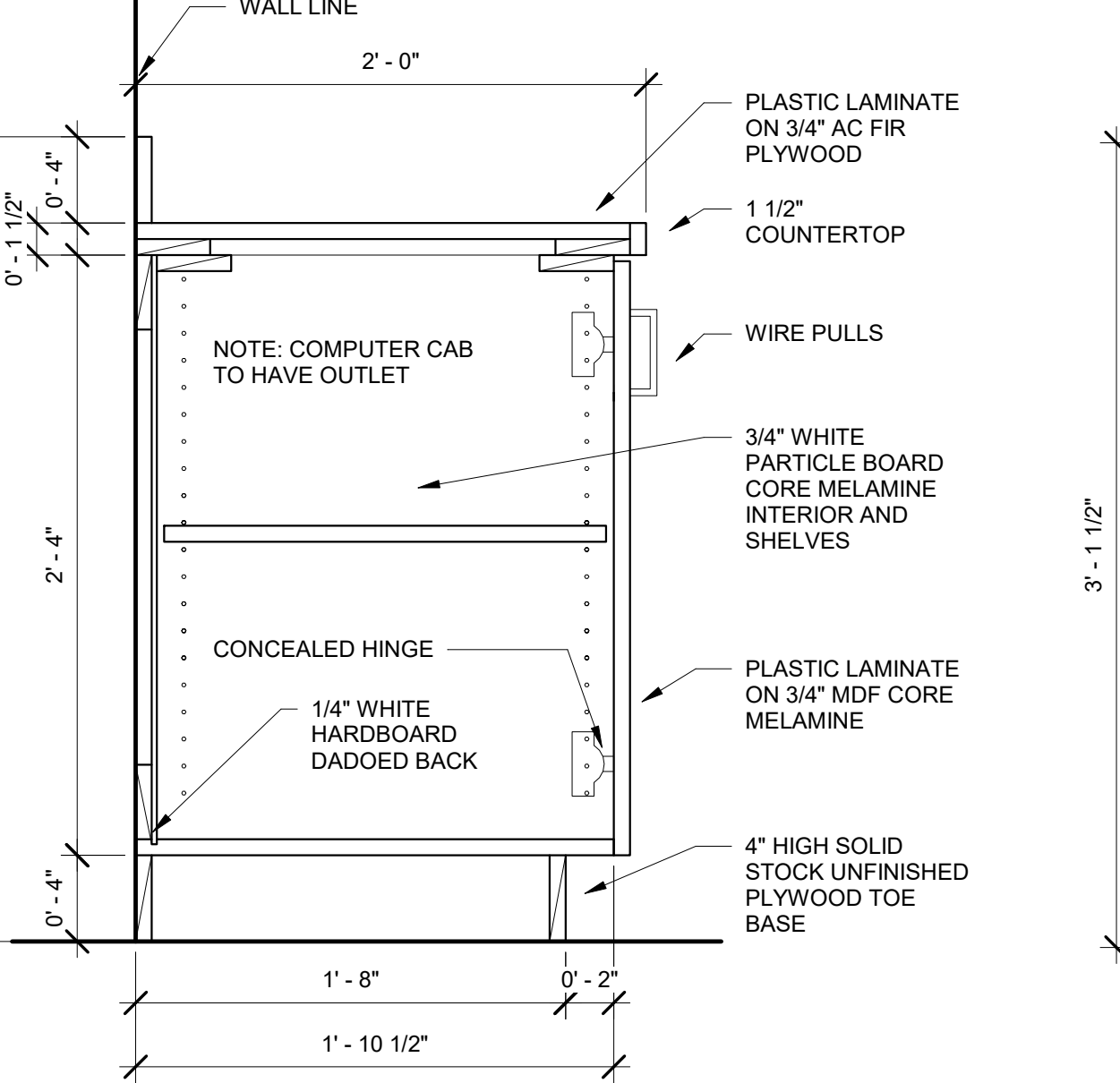
11 FLOOR, TRANSITION STRIP - CERAMIC TO LVT
3' x 1'-0"



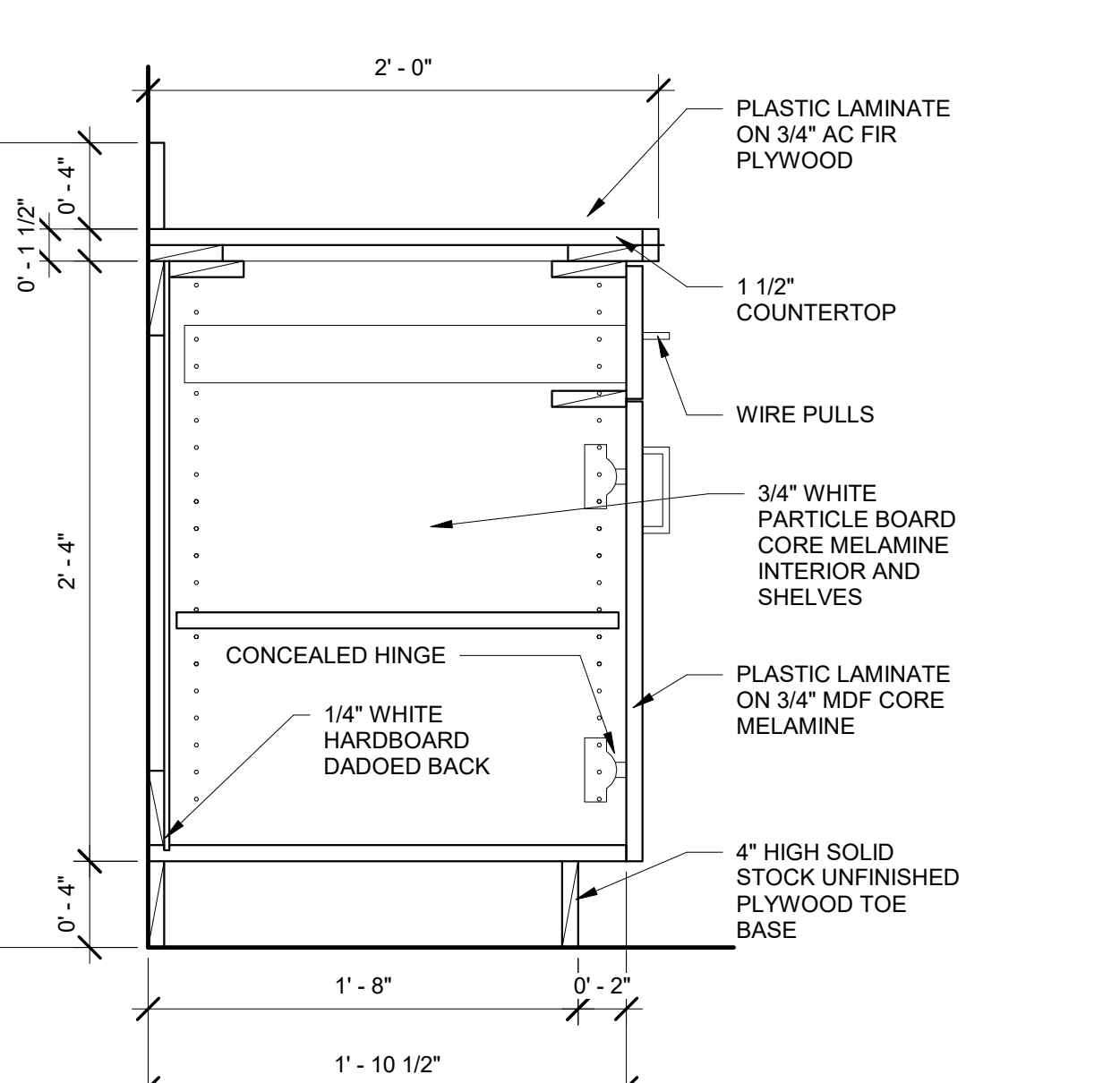
10 CASEWORK, UPPER CABINET (TYP) TYPE C & D
1 1/2' x 1'-0"



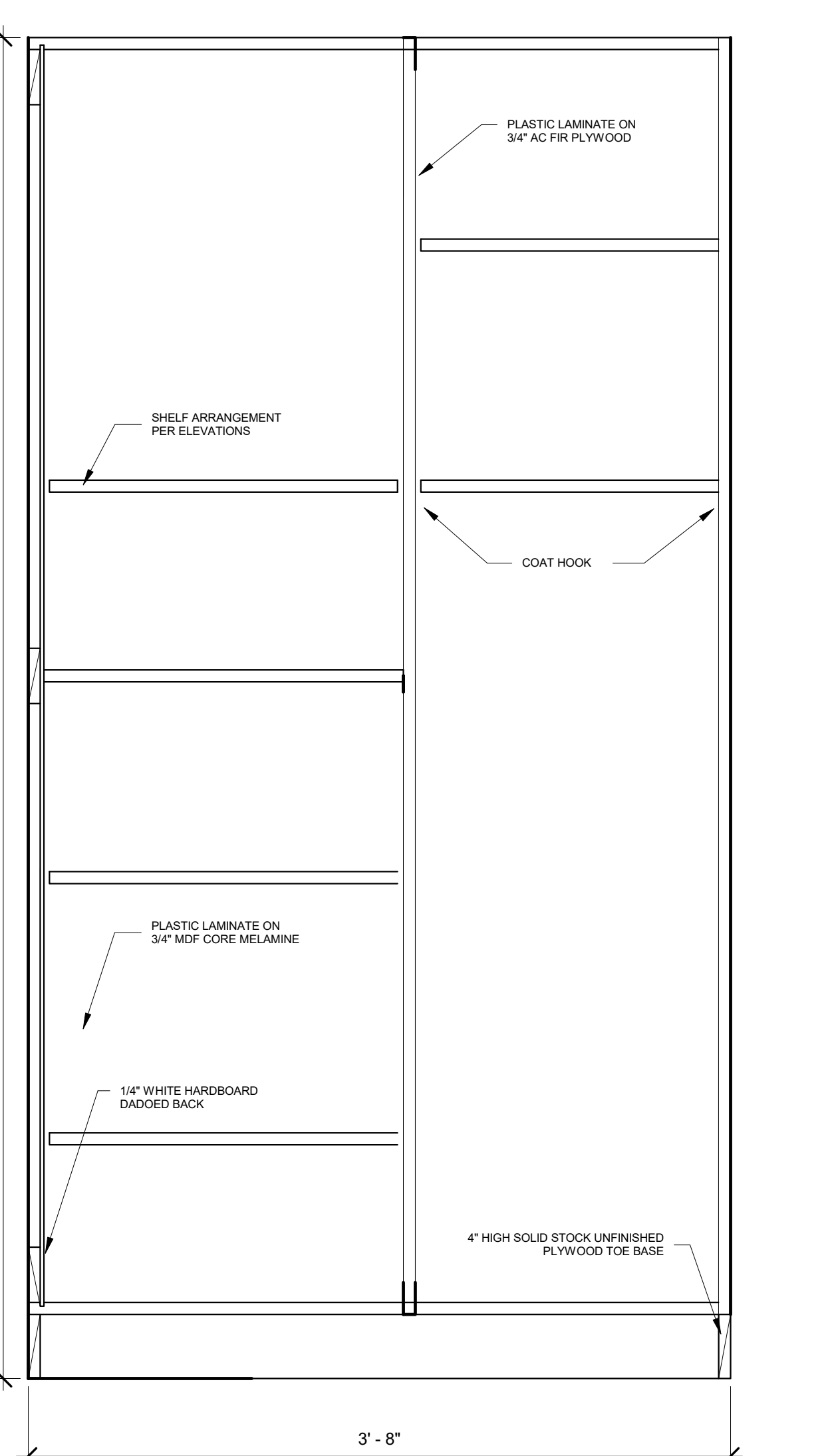
9 CASEWORK, ACCESSIBLE COUNTER (TYP) TYPE G
1 1/2' x 1'-0"



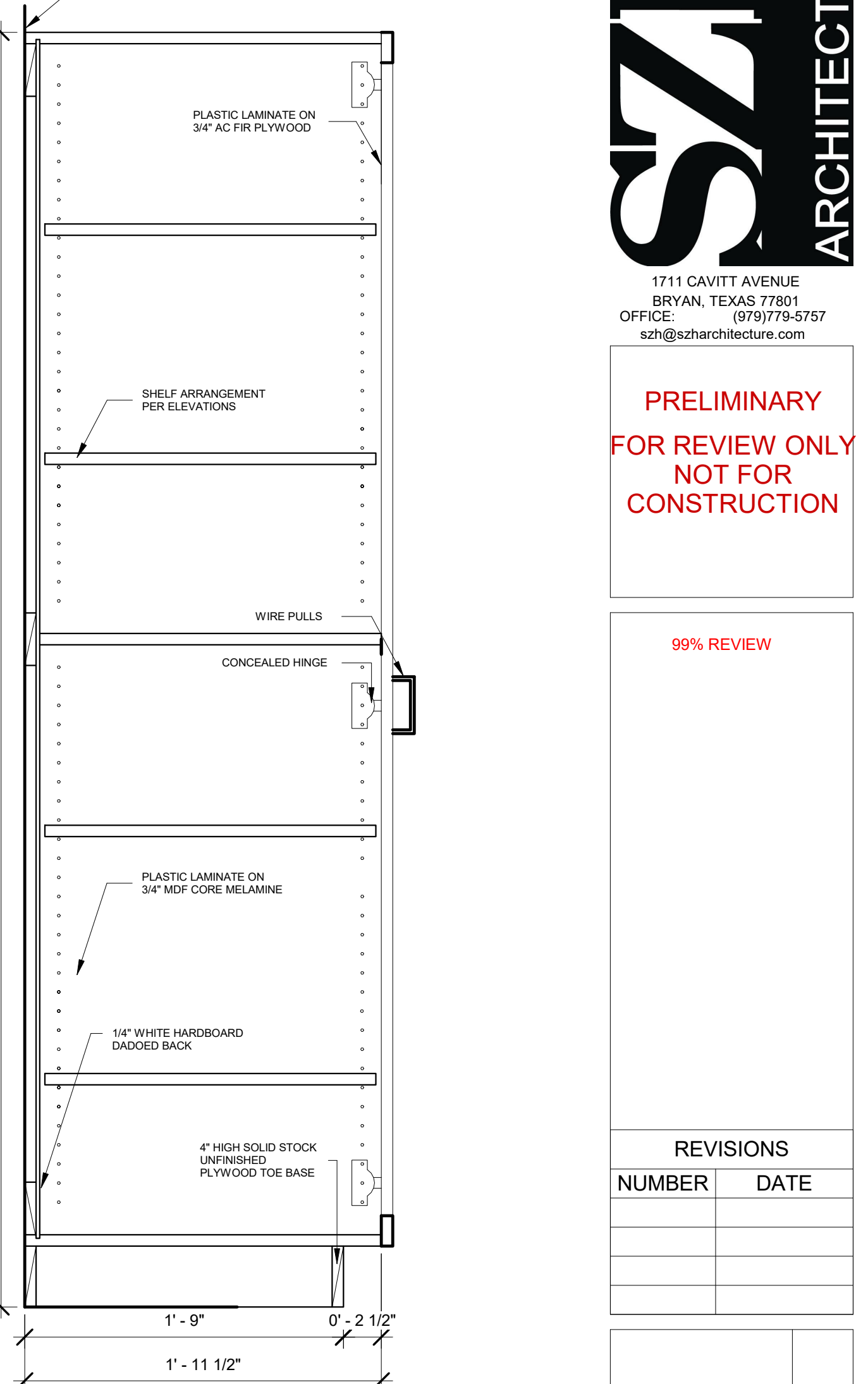
8 CASEWORK, BASE CABINET (TYP) TYPE E
1 1/2' x 1'-0"



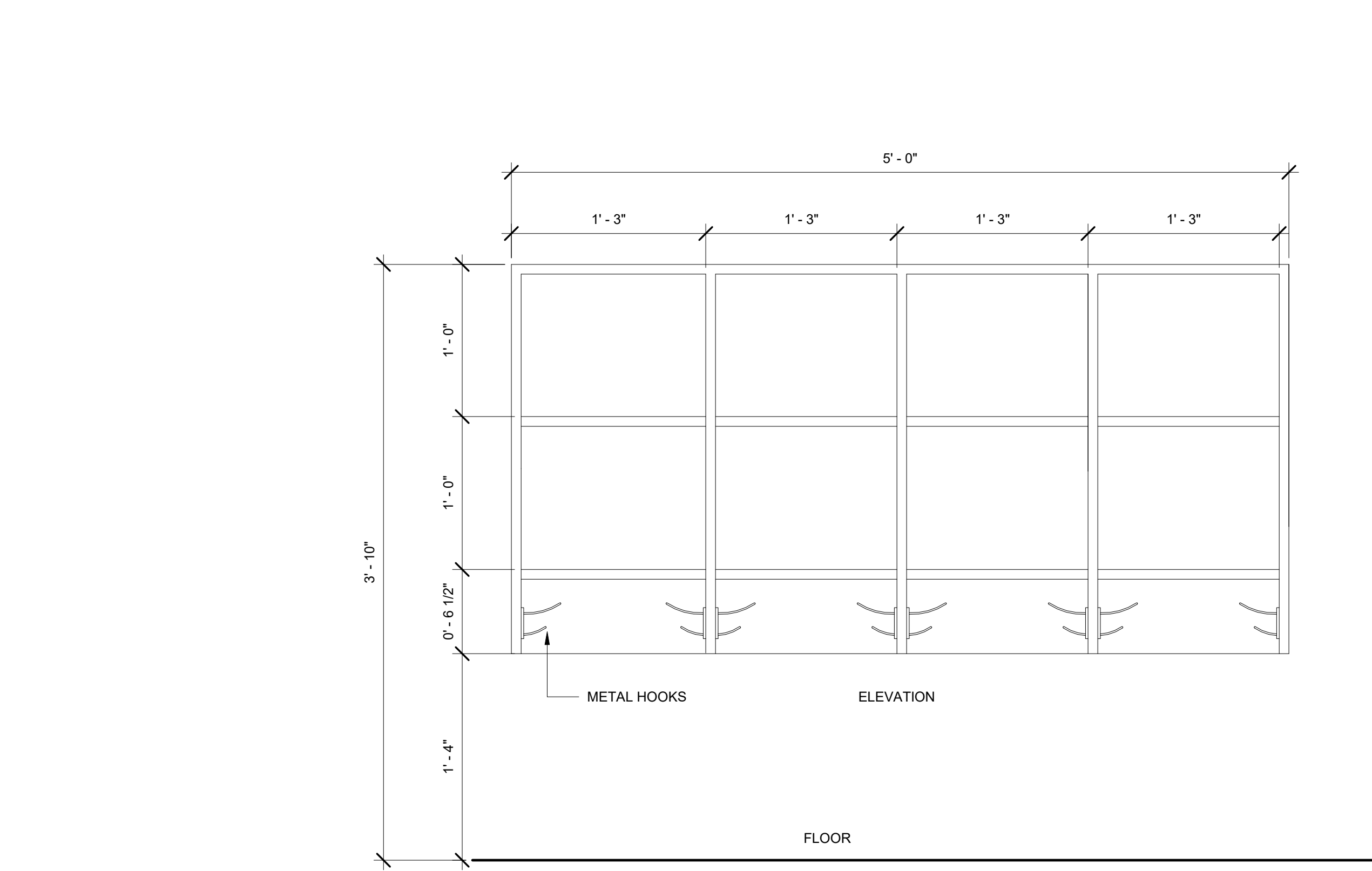
7 BASE CABINET (TYP) TYPE A & B
1 1/2' x 1'-0"



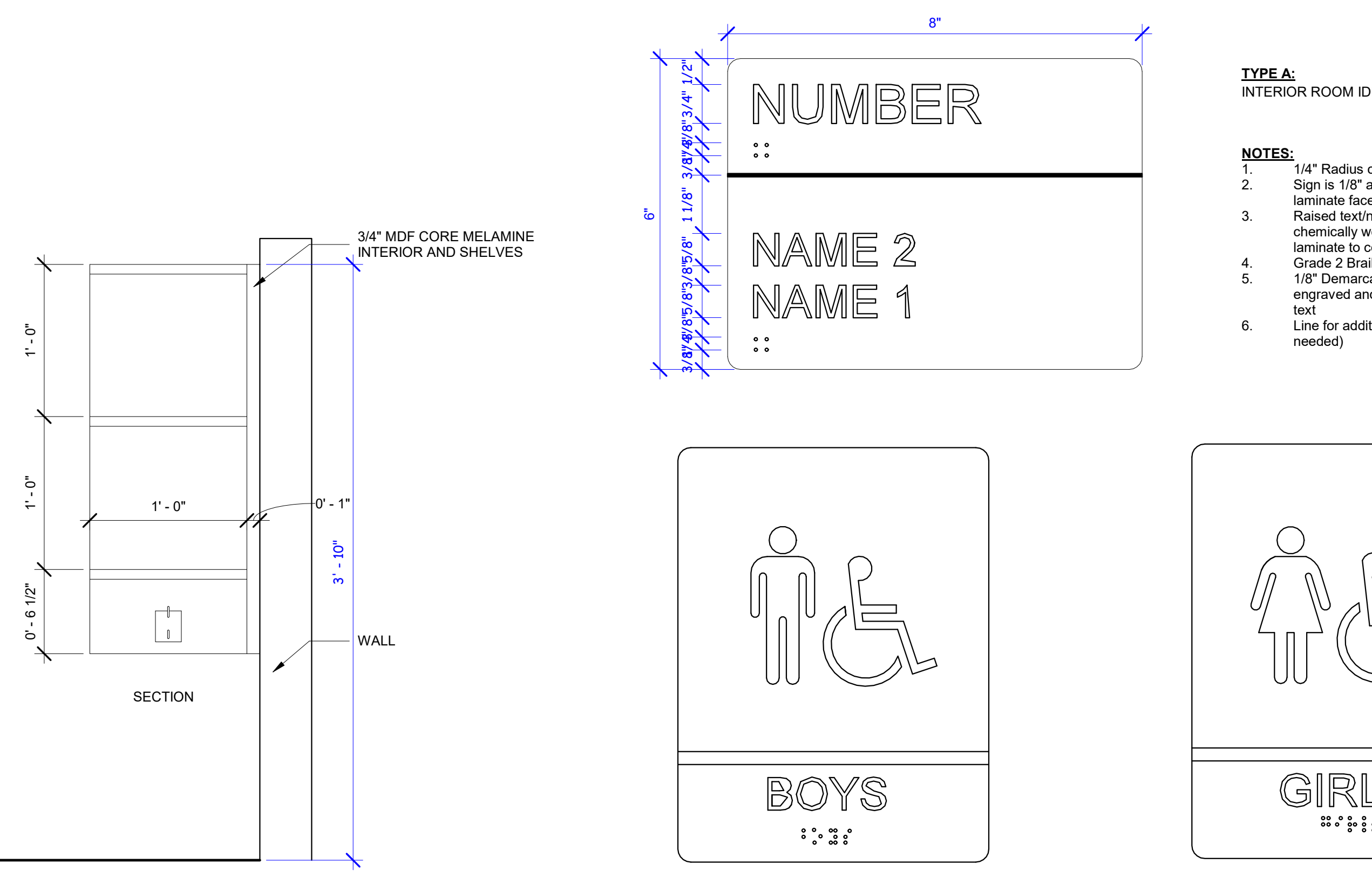
6 FULL HEIGHT ELEVATION, TYPE F
1 1/2' x 1'-0"



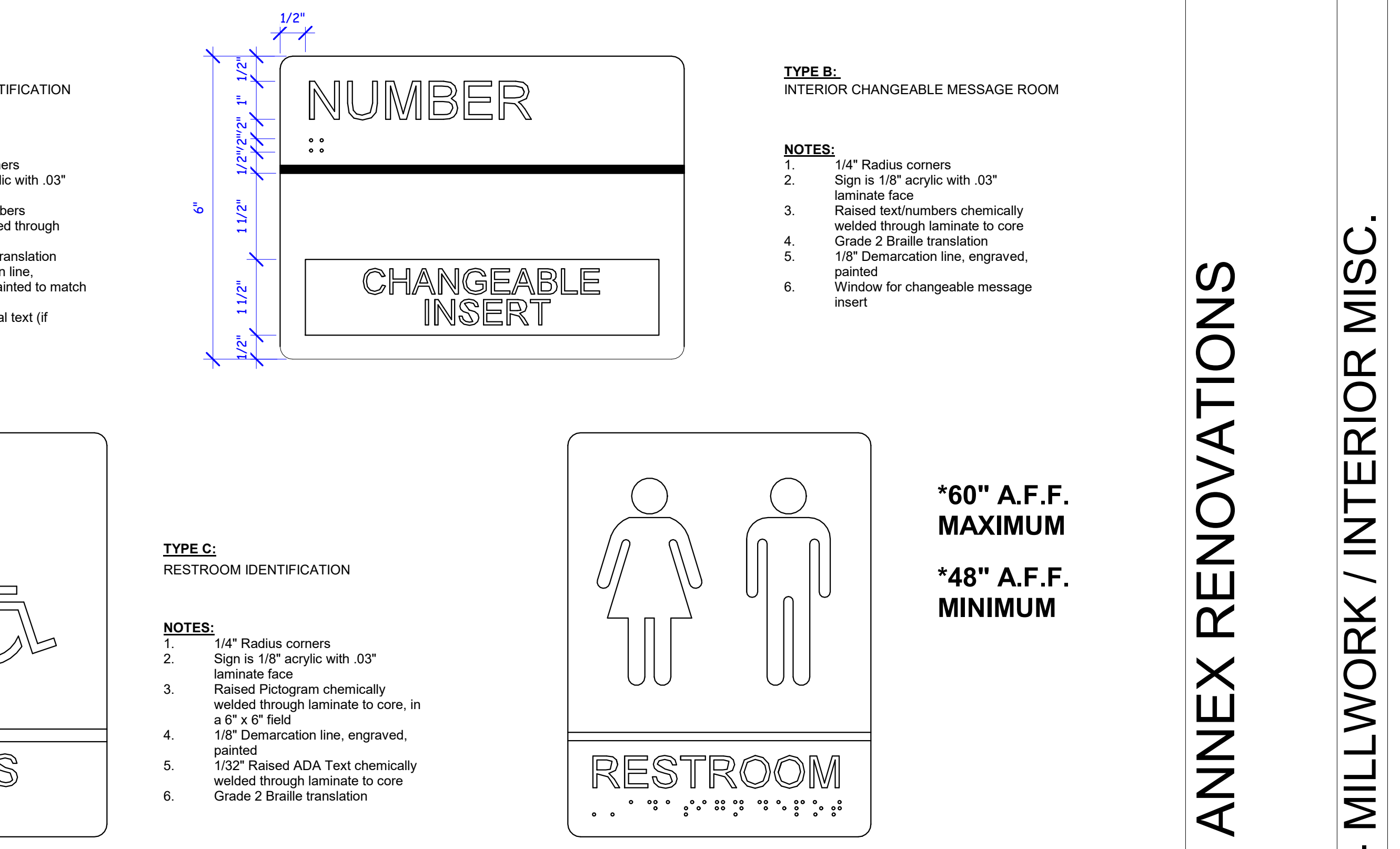
5 FULL HEIGHT ADJUSTABLE SHELVING, TYPE F
1 1/2' x 1'-0"



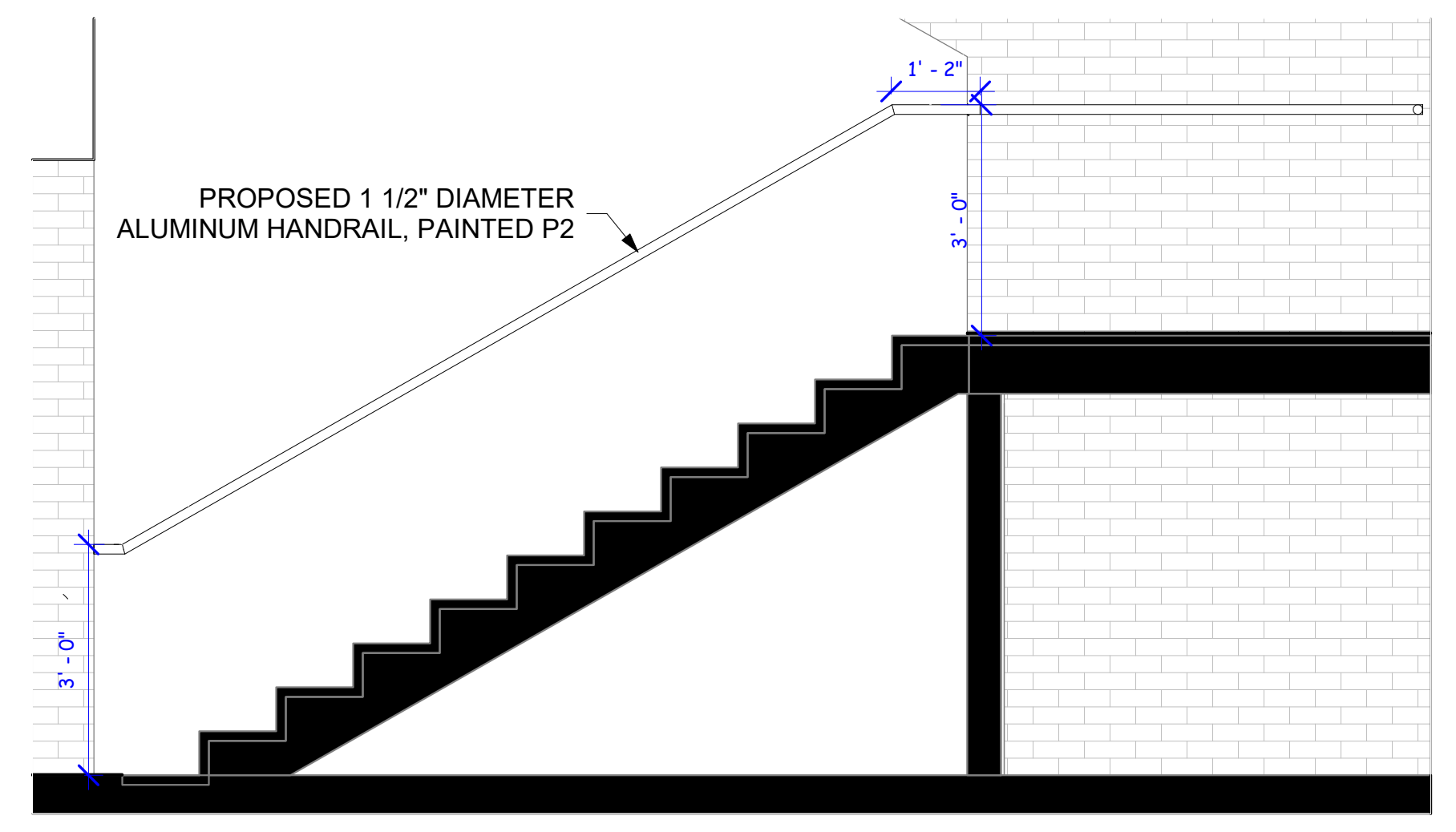
4 WALL MOUNTED OPEN SHELVING, TYPE H
1 1/2' x 1'-0"



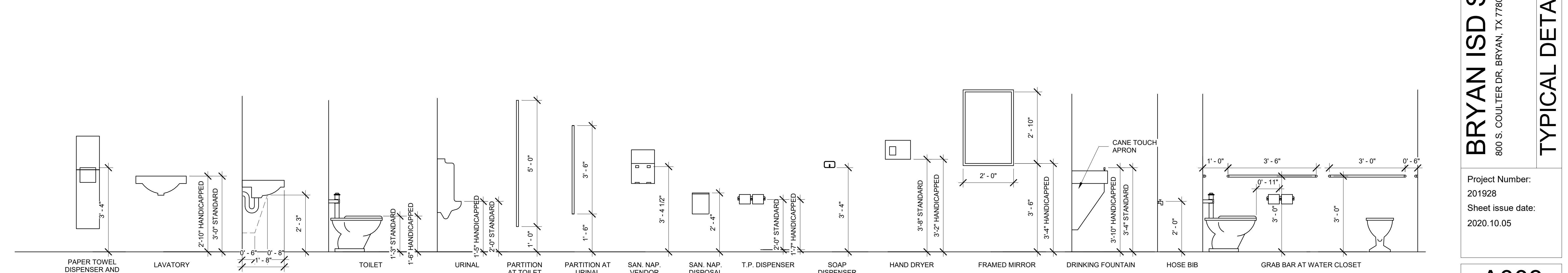
3 ROOM SIGNAGE DETAIL
0' x 1'-0"



3 ROOM SIGNAGE DETAIL (continued)
0' x 1'-0"

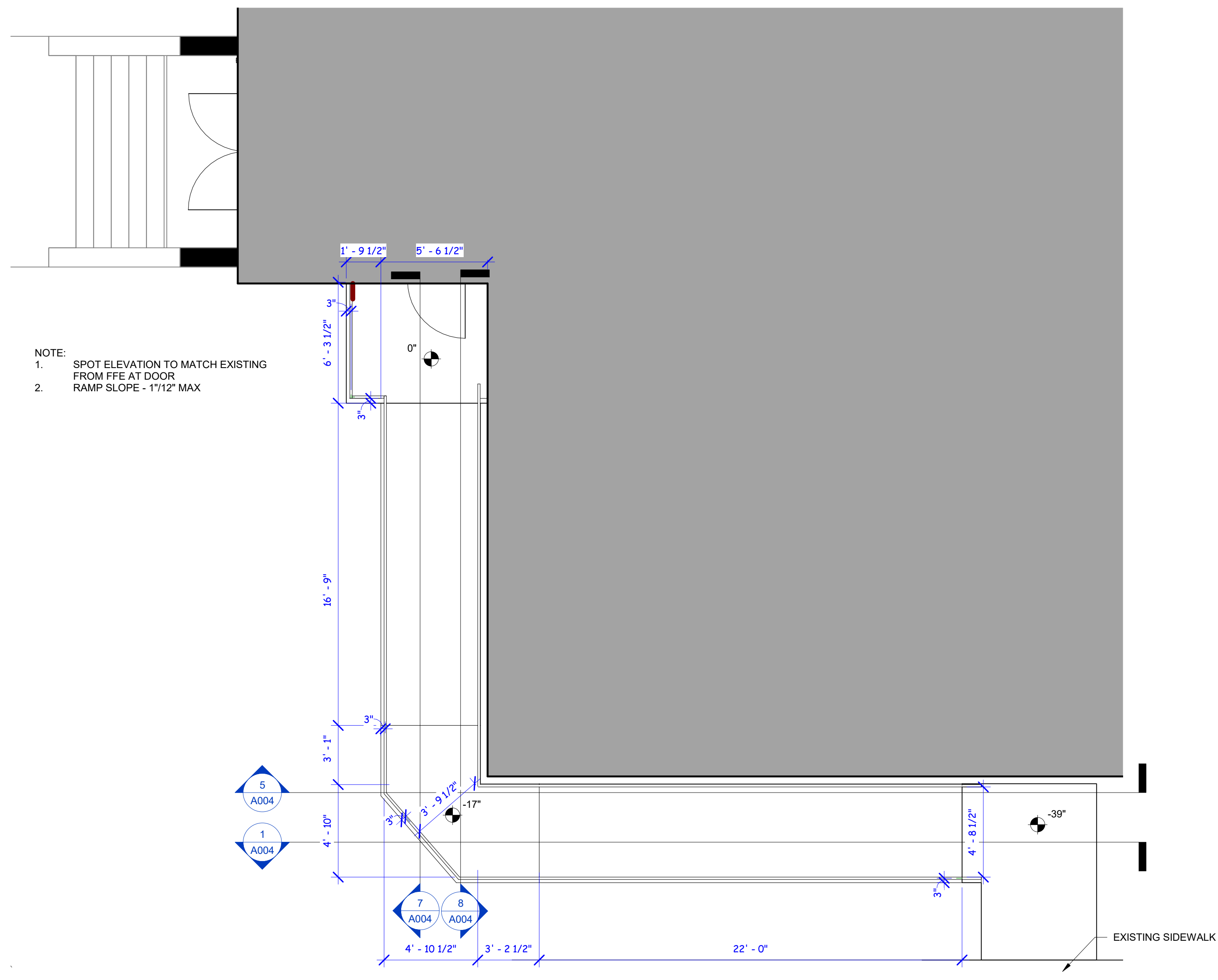


2 TYP. HANDRAIL DETAIL
1 1/2' x 1'-0" REF: A300 / 5

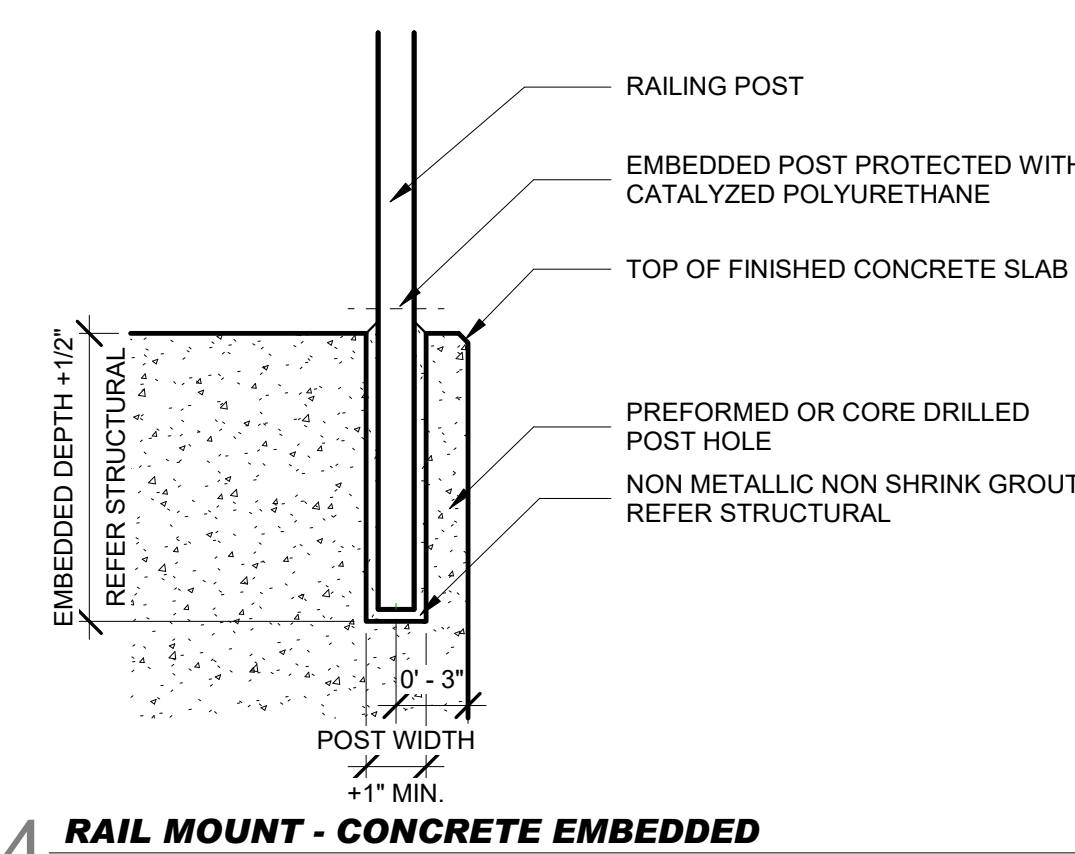


1 STANDARD FIXTURE HEIGHTS
1 1/2' x 1'-0"

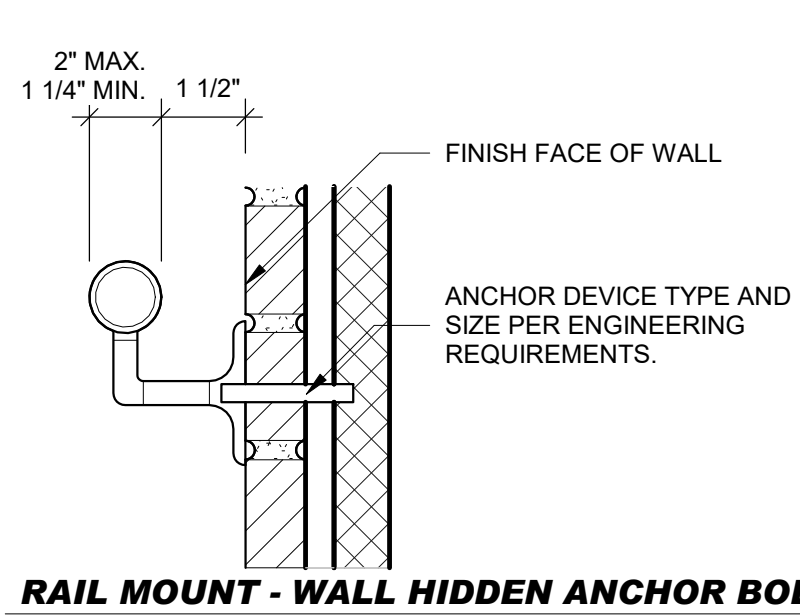
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NUMBER	DATE



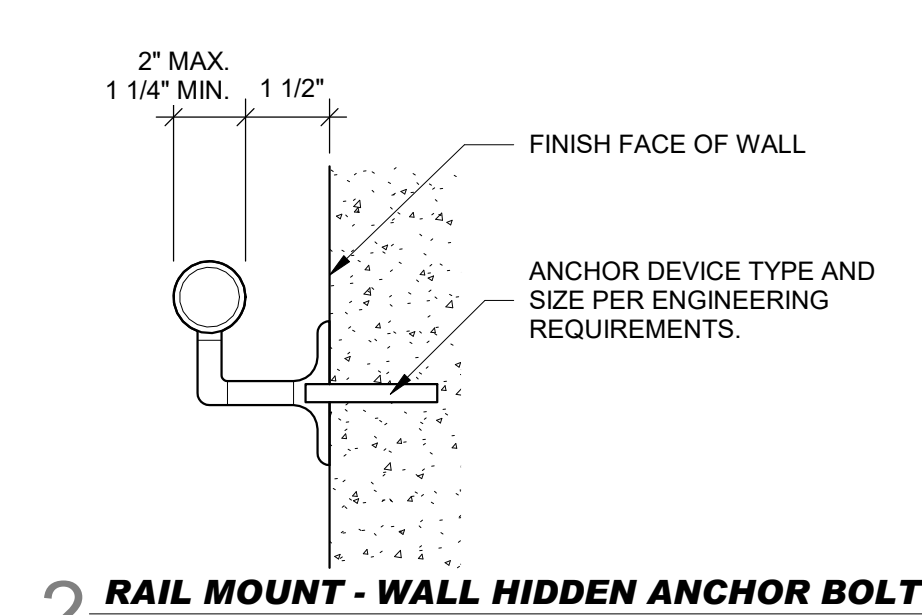
6 PLAN - RAMP
1/4" = 1'-0"



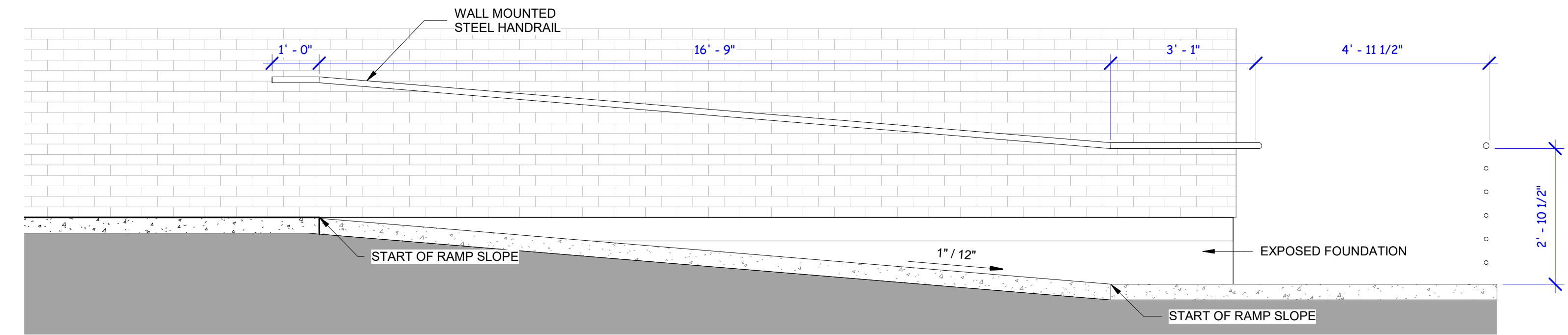
4 RAIL MOUNT - CONCRETE EMBEDDED
1 1/2" = 1'-0"



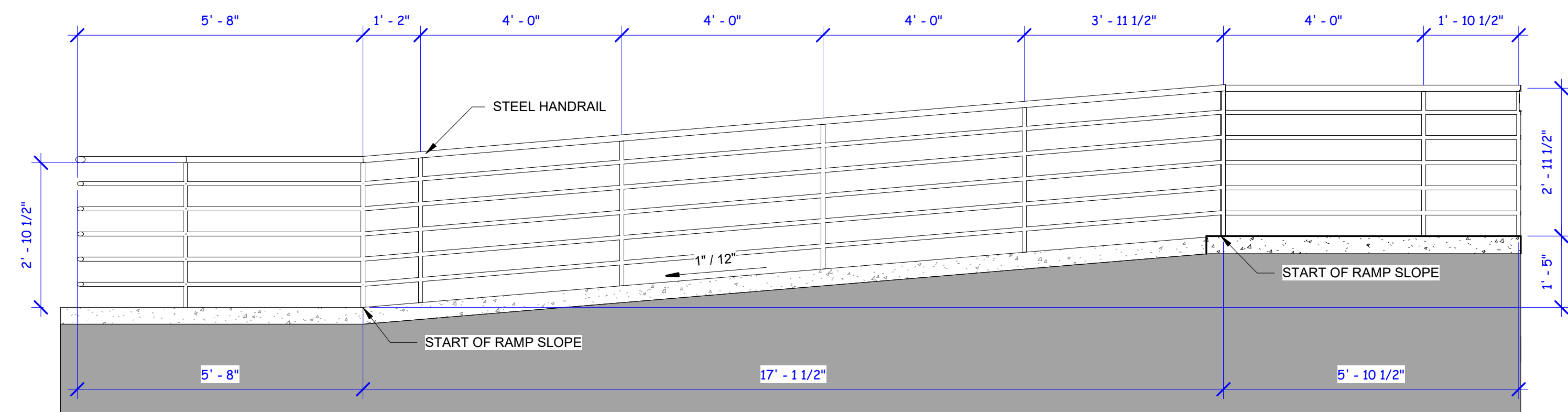
3 RAIL MOUNT - WALL HIDDEN ANCHOR BOLT
3/4" = 1'-0"



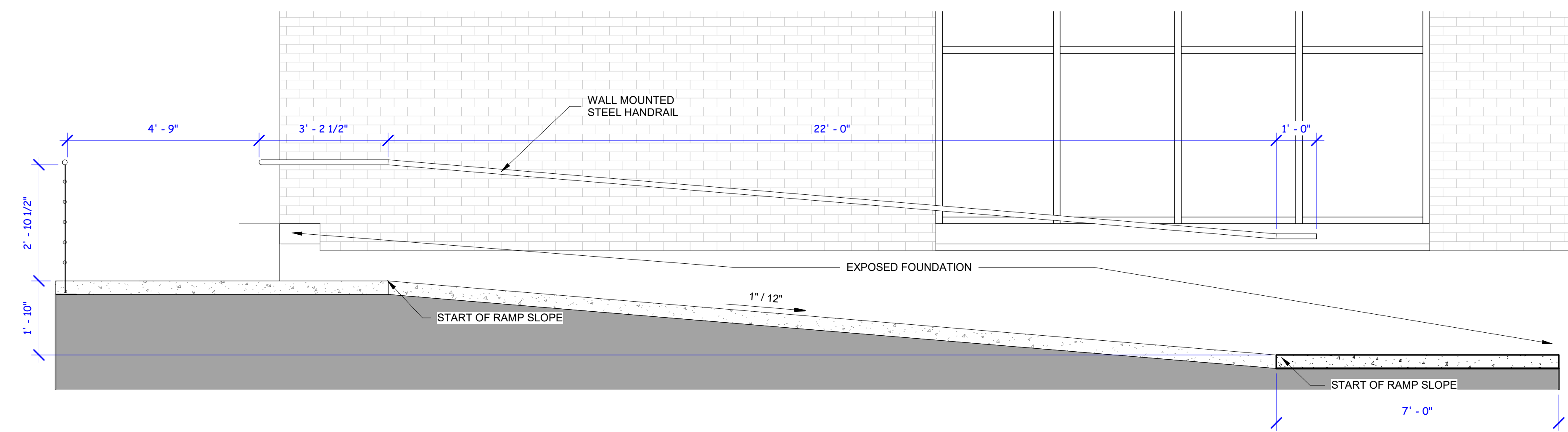
2 RAIL MOUNT - WALL HIDDEN ANCHOR BOLT
3/4" = 1'-0"



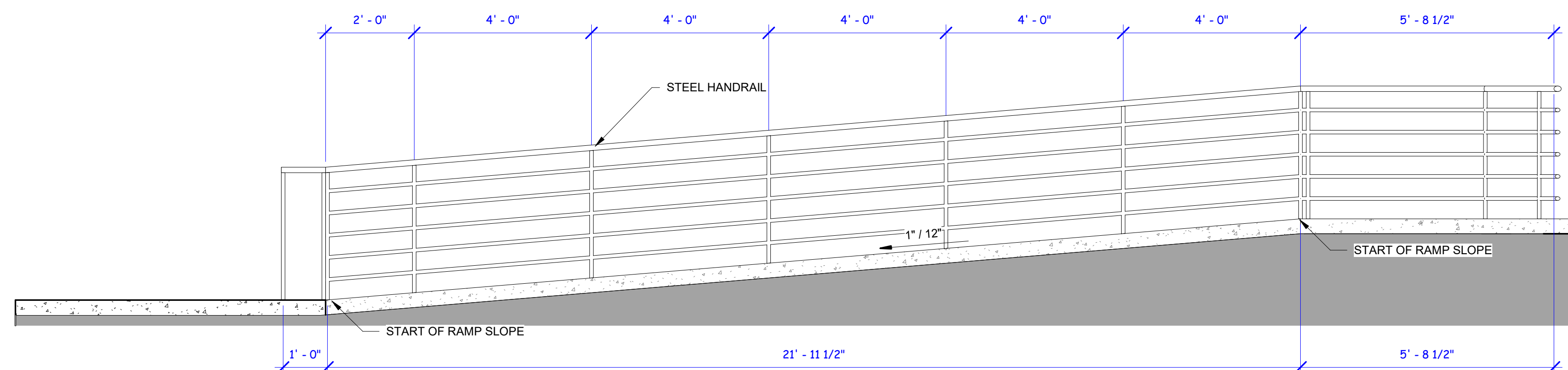
8 SECTION - RAMP
1/2" = 1'-0"



7 SECTION - RAMP
1/2" = 1'-0"



5 SECTION - RAMP
1/2" = 1'-0"

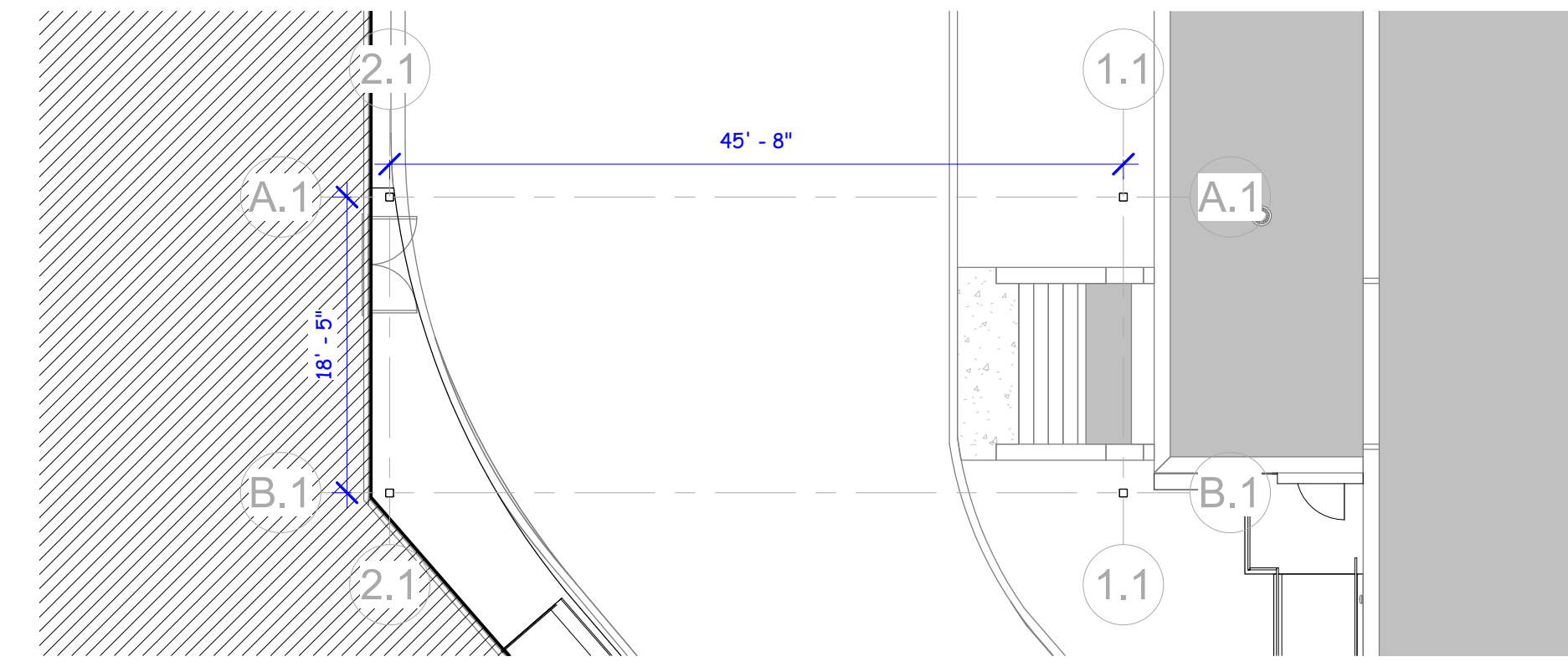


1 SECTION - RAMP
1/2" = 1'-0"

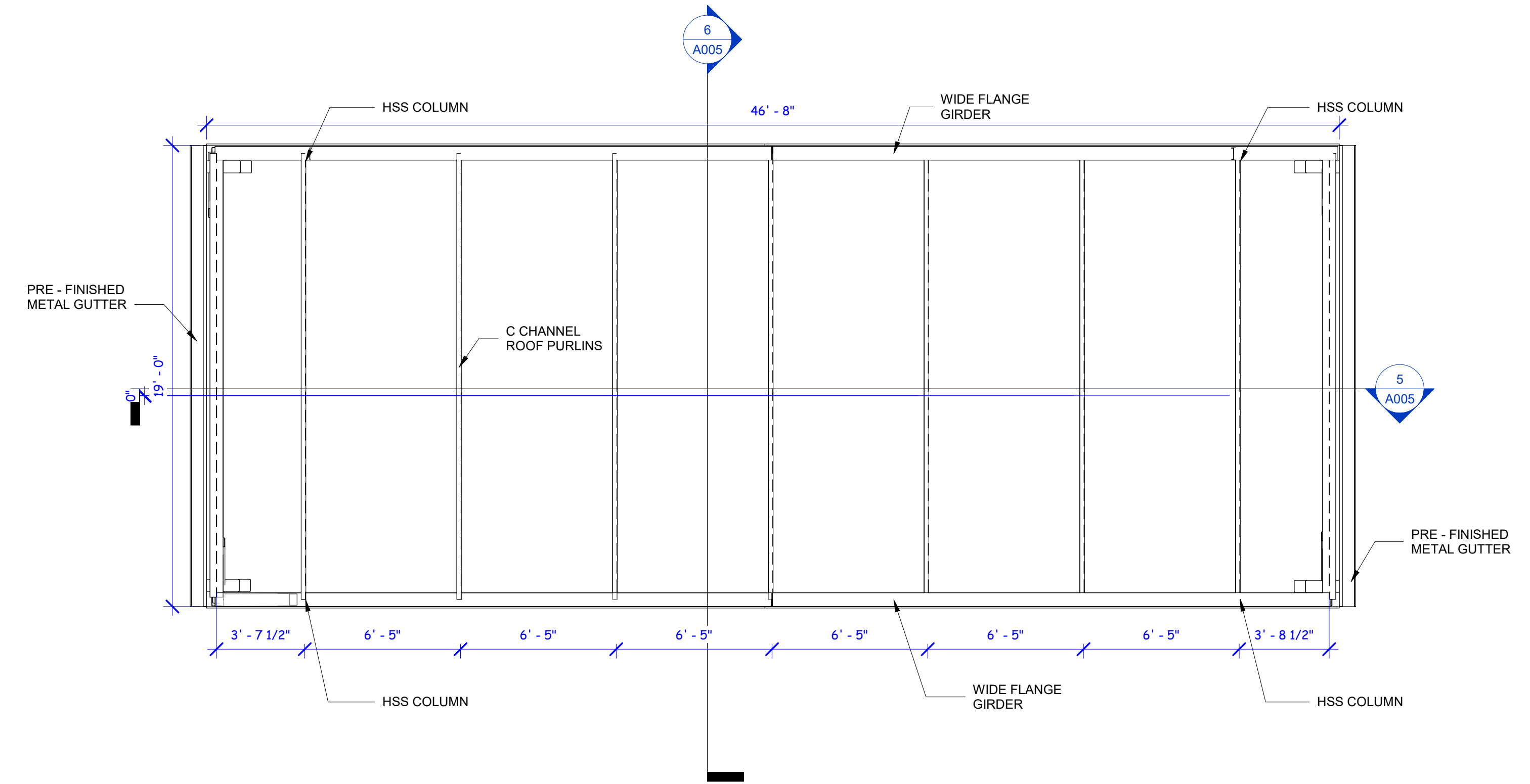
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NUMBER	DATE

GENERAL NOTES

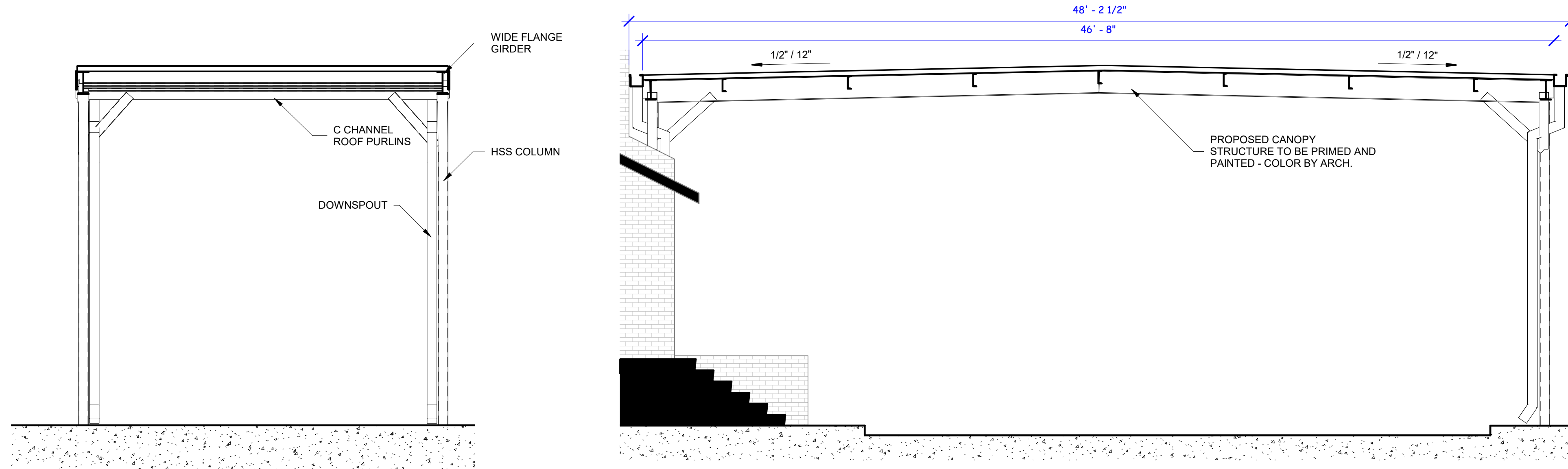
- REFER TO SPECS FOR ADDITIONAL INFORMATION
- PROTECT ALL EXISTING TREES AND LANDSCAPING TO REMAIN
- CONSTRUCTION TO CONFORM TO ALL APPLICABLE CODES IN THE STATE OF TEXAS INCLUDING ICC AND TDLR-TAS STANDARDS.
- PLAN PROVIDED FOR COORDINATION PURPOSES ONLY FOR IDENTIFICATION OF BUILDING LOCATION AND ITS FEATURES WITHIN THE CONTEXT OF THE SITE AND ITS FEATURES.
- ALL SITE UTILITIES SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR TRUE LOCATIONS OF THE SITE UTILITIES AND UTILITY RELATED WORK.
- ALL PAVING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR INFORMATION REGARDING PAVING MATERIALS, SIZING, LOCATION, COMPOSITION, CONSTRUCTION, CURB LOCATIONS, AND PARKING COUNTS.
- ALL SITE LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND ELECTRICAL PLANS FOR INFORMATION REGARDING PERTAINING TO SITE LIGHTING LOCATIONS, PRODUCT SPECIFICATIONS, UTILITY WORK, AND ILLUMINATION DESCRIPTION.
- REFER TO CIVIL FOR LANDSCAPE INFORMATION REGARDING GRADING, DRAINAGE, EROSION, AND ENVIRONMENTAL REQUIREMENTS.
- REFER TO CIVIL FOR LANDSCAPE INFORMATION AND IDENTIFICATION.
- ALL MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES ARE SHOWN FOR LOCATION AND REFERENCE ONLY. REFER TO MEP DRAWINGS AND SCHEDULES FOR SPECIFIC INFORMATION, UNLESS SHOWN AS DEMO ALL TREES ARE TO REMAIN PROTECTED THROUGHOUT CONSTRUCTION.



7 PLAN - OVERHEAD CANOPY
1" = 10'-0" REF: A000 / 1

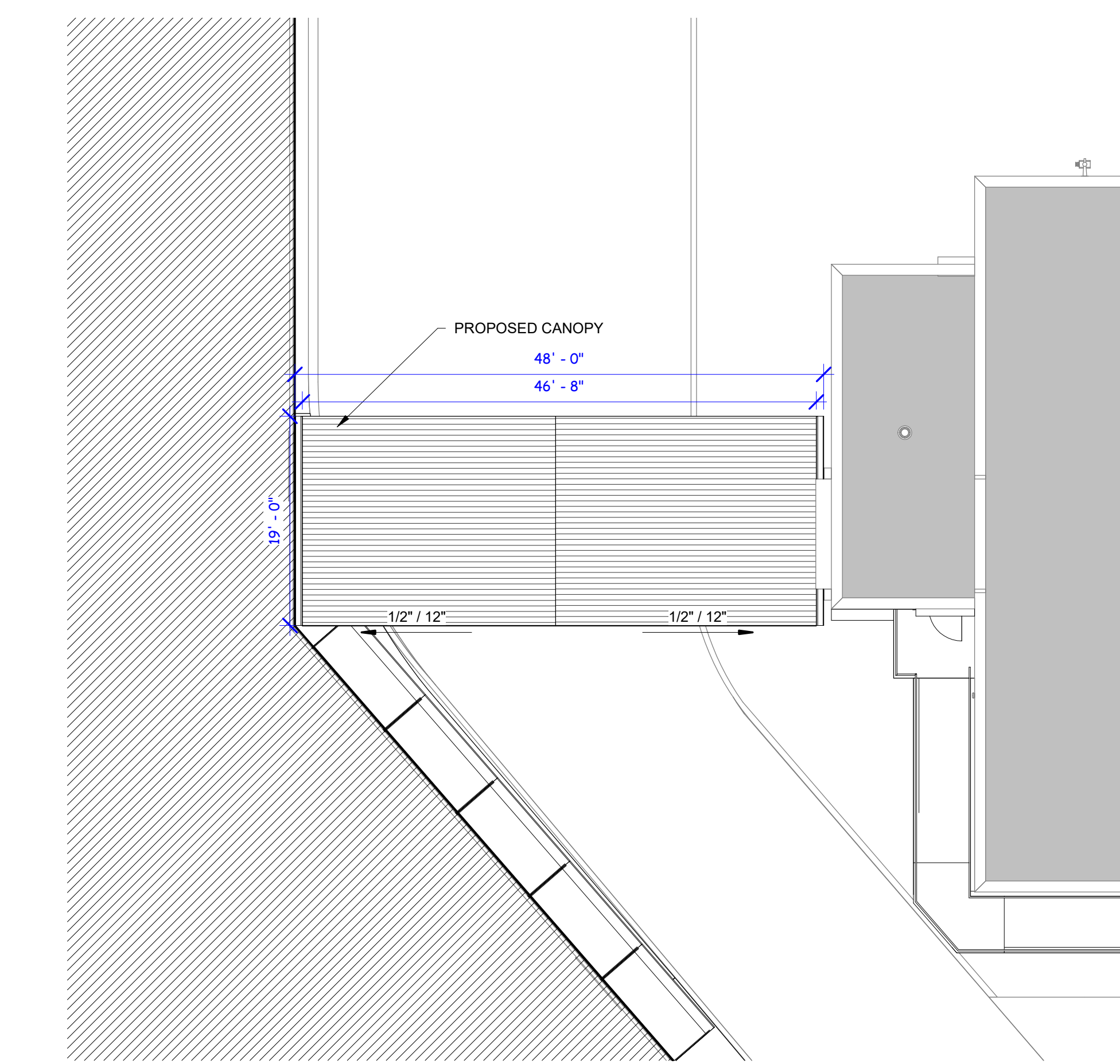


4 FRAMING PLAN - OVERHEAD CANOPY
1/4" = 1'-0"

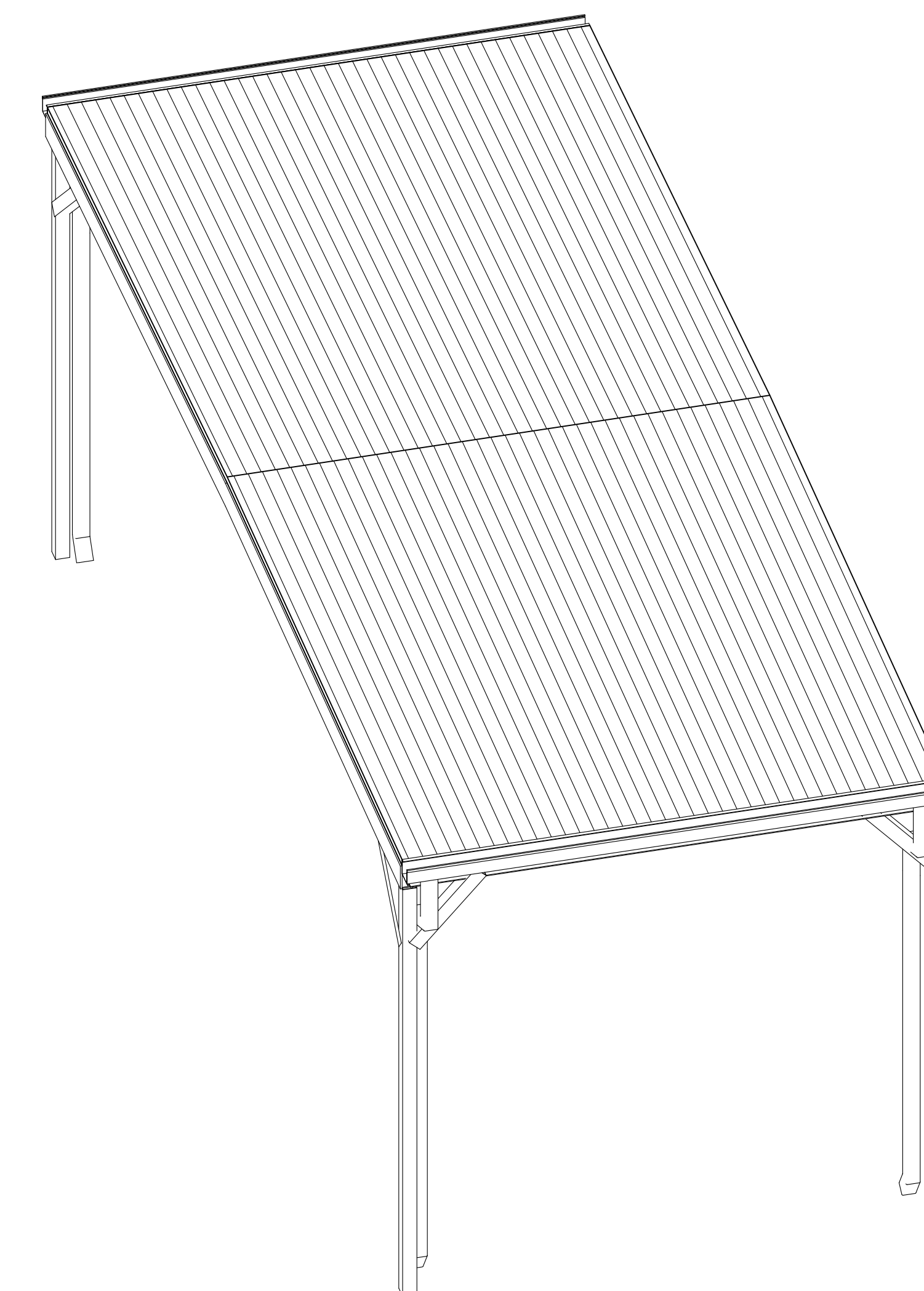


6 CANOPY SECTION 2
1/4" = 1'-0" REF: A005 / 4

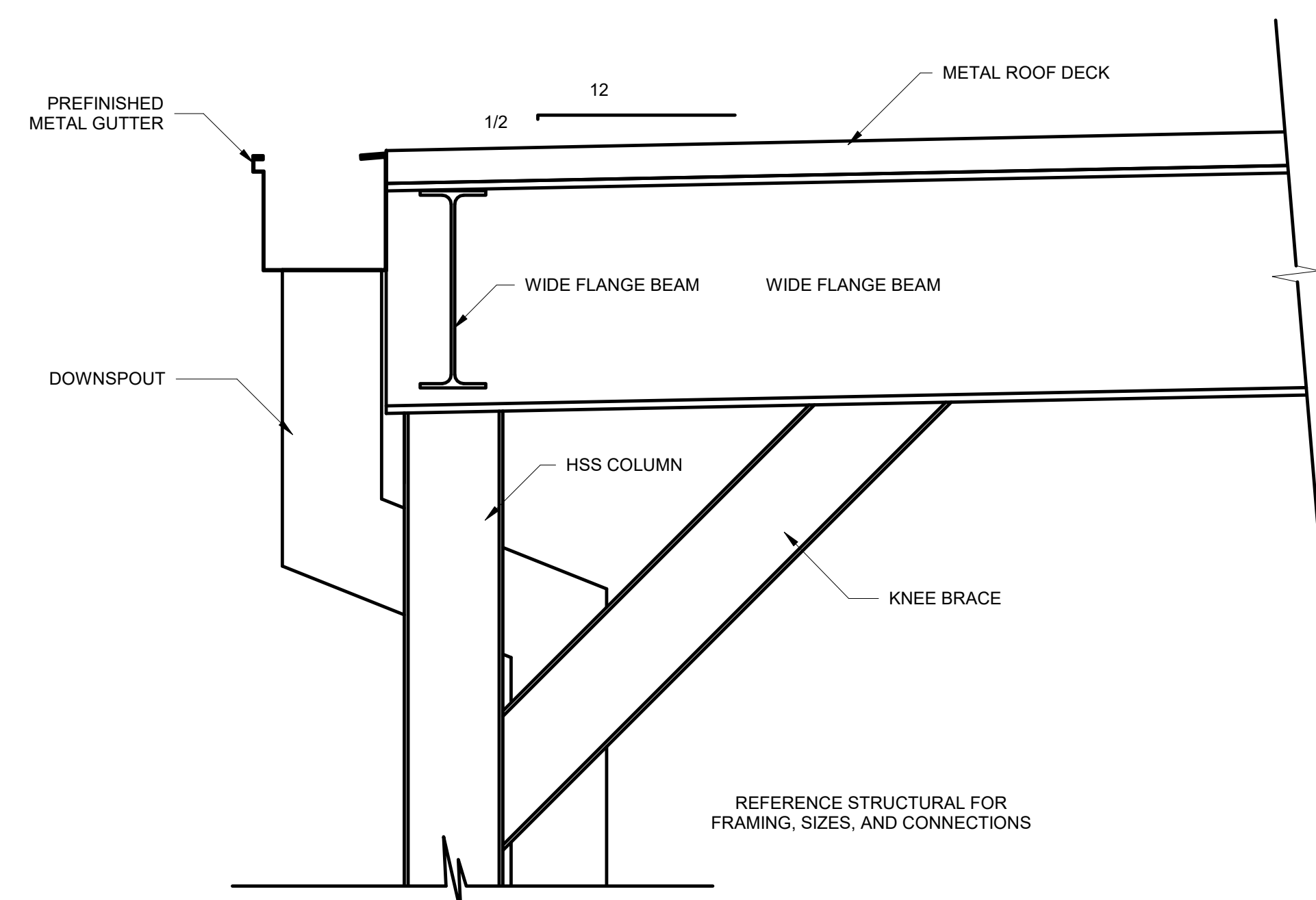
5 CANOPY SECTION 1
1/4" = 1'-0" REF: A005 / 4



2 SITE PLAN - OVERHEAD CANOPY
1" = 10'-0"



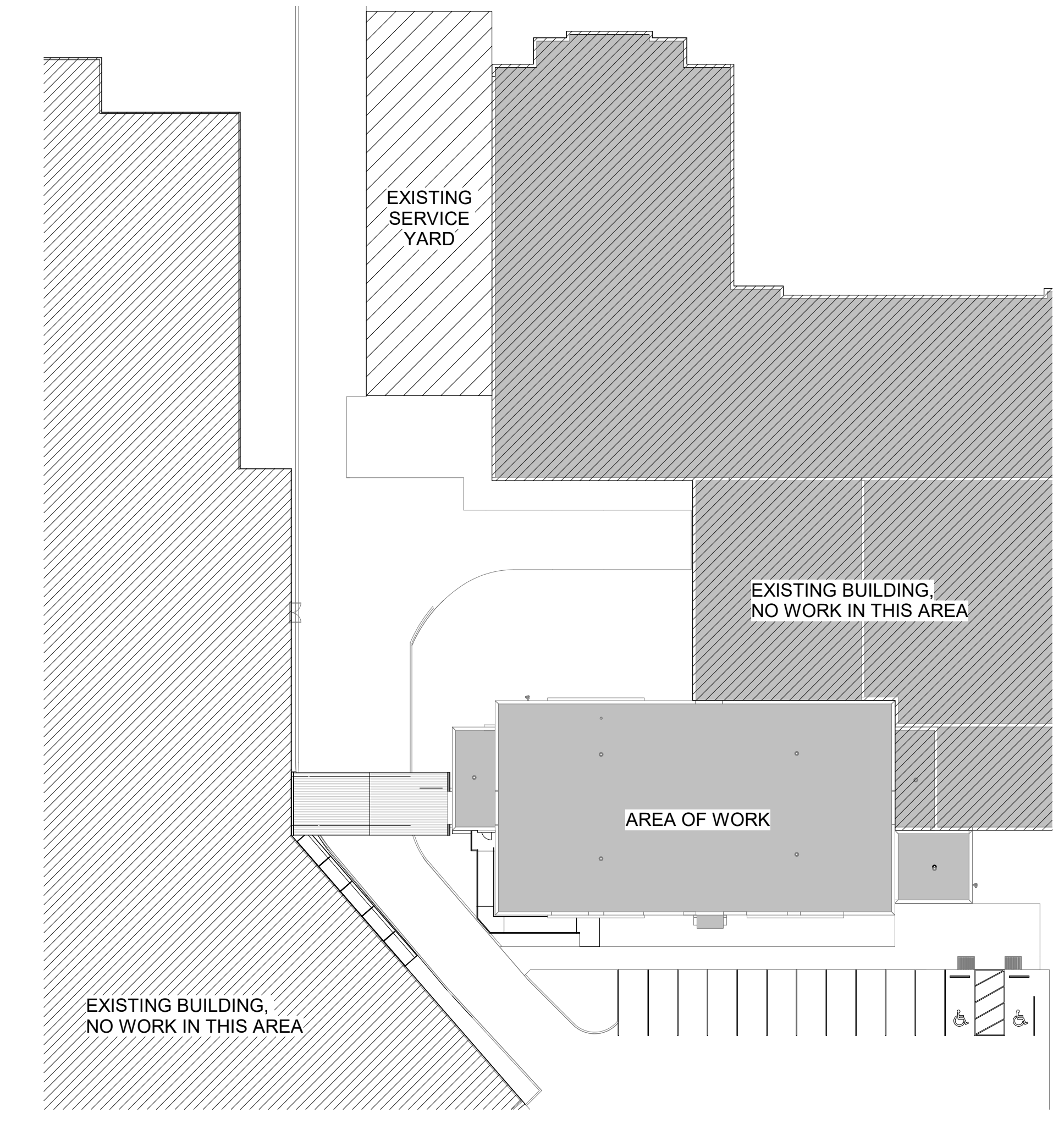
1 3D CANOPY VIEW
1/4" = 1'-0"



3 DETAIL
1/2" = 1'-0"

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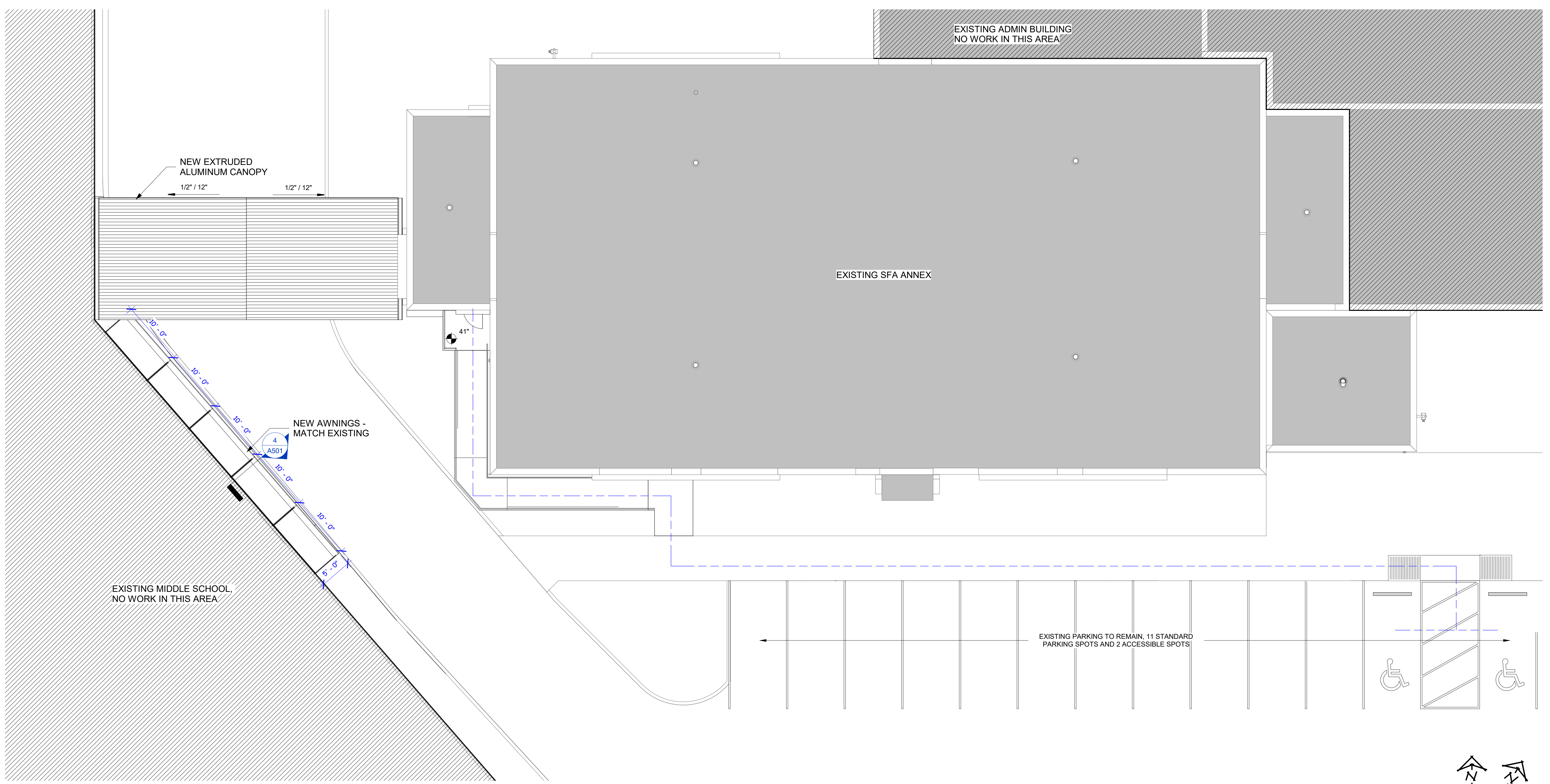
- GENERAL NOTES**
- REFER TO SPECS FOR ADDITIONAL INFORMATION
 - PROTECT ALL EXISTING TREES AND LANDSCAPING TO REMAIN
 - CONSTRUCTION TO CONFORM TO ALL APPLICABLE CODES IN THE STATE OF TEXAS INCLUDING ICC AND TDLR-TAS STANDARDS.
 - PLAN PROVIDED FOR COORDINATION PURPOSES ONLY FOR IDENTIFICATION OF BUILDING LOCATION AND ITS FEATURES WITHIN THE CONTEXT OF THE SITE AND ITS FEATURES.
 - ALL SITE UTILITIES SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR TRUE LOCATIONS OF THE SITE UTILITIES AND UTILITY RELATED WORK.
 - ALL PAVING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR INFORMATION REGARDING PAVING MATERIALS, SIZING, LOCATION, COMPOSITION, CONSTRUCTION, CURB LOCATIONS, AND PARKING COUNTS.
 - ALL SITE LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND ELECTRICAL PLANS FOR INFORMATION REGARDING PERTAINING TO SITE LIGHTING LOCATIONS, PRODUCT SPECIFICATIONS, UTILITY WORK, AND ILLUMINATION DESCRIPTION.
 - REFER TO CIVIL FOR LANDSCAPE INFORMATION REGARDING GRADING, DRAINAGE, EROSION, AND ENVIRONMENTAL REQUIREMENTS.
 - REFER TO CIVIL FOR LANDSCAPE INFORMATION AND IDENTIFICATION.
 - ALL MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES ARE SHOWN FOR LOCATION AND REFERENCE ONLY. REFER TO MEP DRAWINGS AND SCHEDULES FOR SPECIFIC INFORMATION. UNLESS SHOWN AS DEMO ALL TREES ARE TO REMAIN PROTECTED THROUGHOUT CONSTRUCTION.



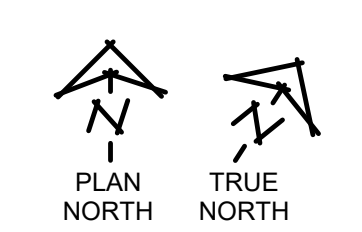
2 VICINITY PLAN
1/32" = 1'-0"

GENERAL SITE PLAN LEGEND

SYMBOL	DESCRIPTION
	ACCESSIBILITY ROUTE



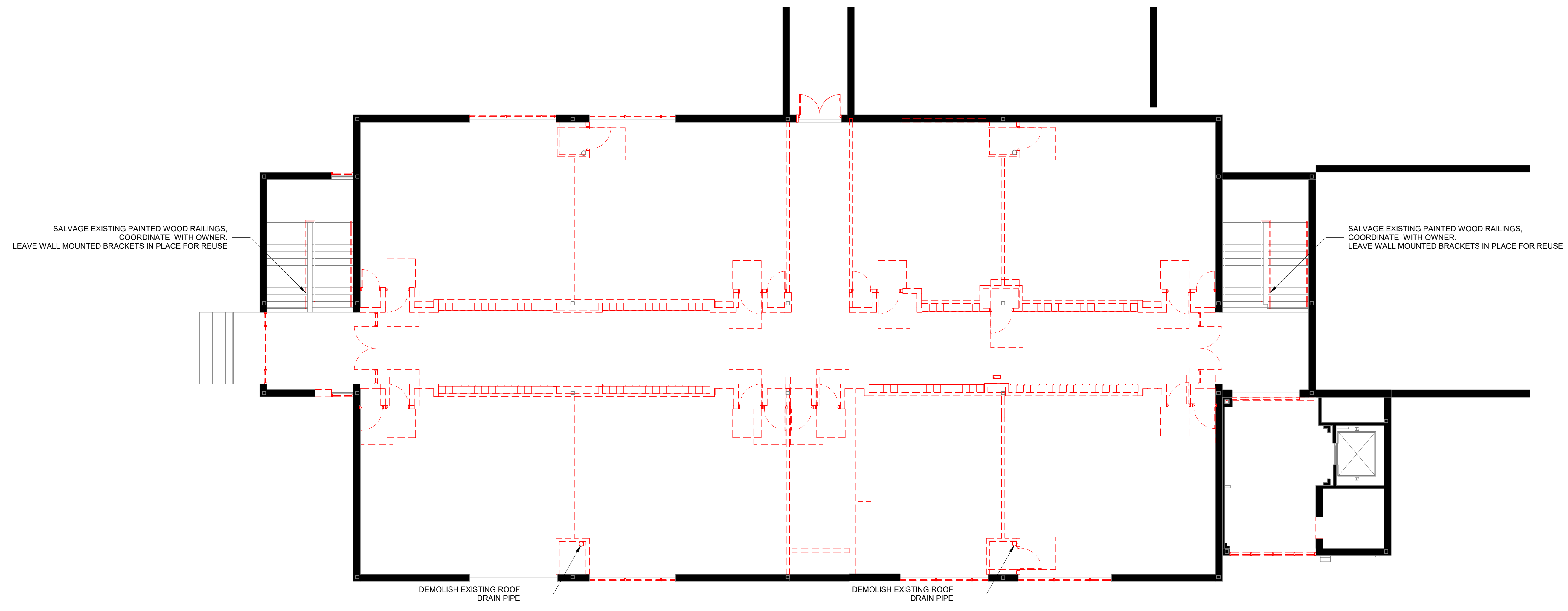
1 SITE PLAN
1/8" = 1'-0"



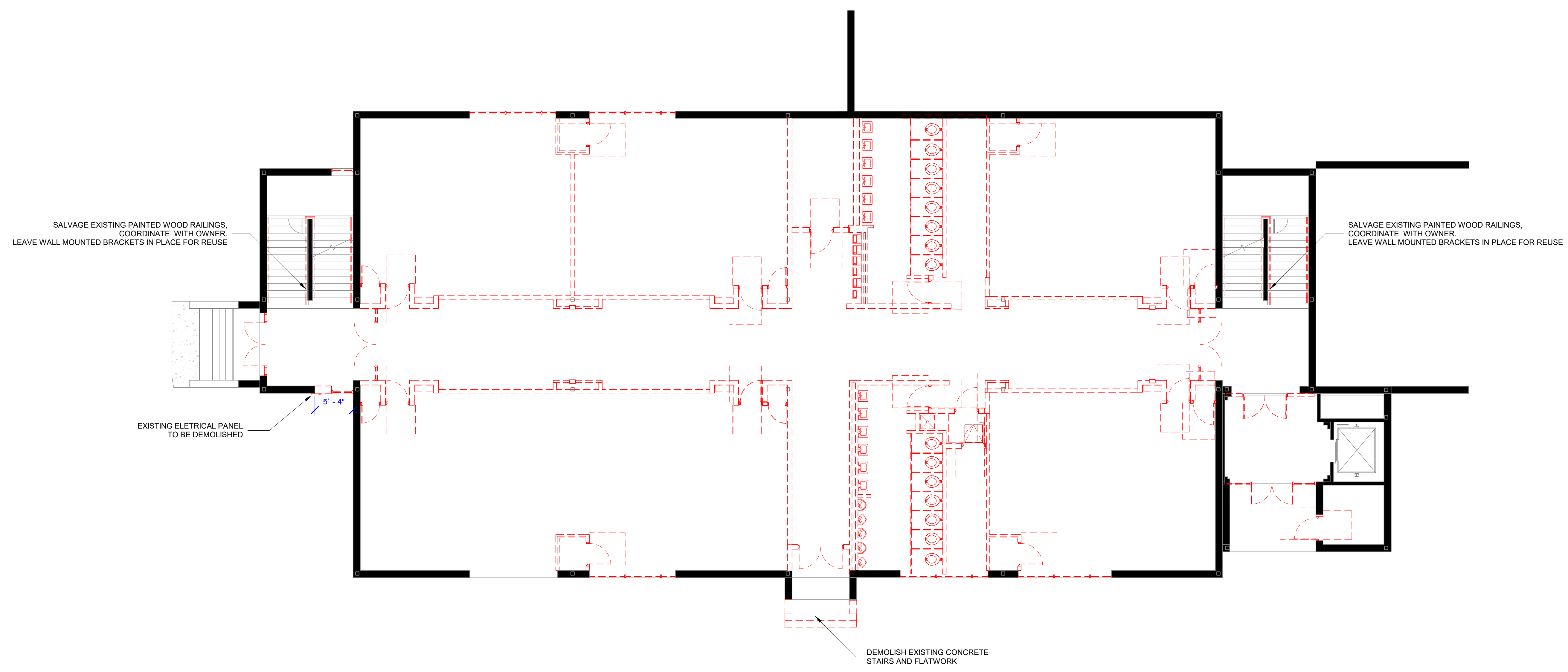
NUMBER	DATE

GENERAL DEMOLITION NOTES

- REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION
- THE INTENT OF THE DEMOLITION PLAN IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. CONTRACTOR TO VISUALLY INSPECT ALL EXISTING CONDITIONS AND COORDINATE ANY CONFLICTING DEMO ISSUES WITH THE ARCHITECT PRIOR TO BEGINNING WORK
- VERIFY AND COORDINATE WITH OWNER ALL ITEMS TO BE SAVED OR SALVAGED
- ANY EXISTING DOOR FRAMES, WINDOW FRAMES, WINDOWS SILLS, AND WALLS THAT ARE TO BE REFINISHED ARE TO BE FREE FROM MASTIC OR OTHER BUILDING RESIDUE AND READY TO RECEIVE NEW FINISH
- CONTRACTOR TO PROTECT FROM DAMAGE ALL ELEMENTS TO REMAIN DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF ANY EXISTING FINISHES THAT ARE DAMAGED AS A RESULT OF DEMOLITION. CONTRACTOR IS TO INCLUDE IN THE PRICING A CONTINGENCY TO ALLOW FOR THIS
- CONTRACTOR SHALL MAKE SAFE ALL CIRCUITS AND ELECTRICAL PANELS; REMOVE ALL EXISTING CONDUIT AND ASSOCIATED WIRING NOT USED U.O.N. BACK TO PANEL. NO WIRING SHALL BE ABANDONED IN PLACE. ALL EXISTING DATA WIRING TO BE REMOVED. ALL MECHANICAL DEVICES TO BE EVALUATED AND A REPORT SUBMITTED PRIOR TO THE START OF DEMOLITION NOTING CONDITION OF EQUIPMENT
- PROVIDE DUMPSTERS FOR DEBRIS REMOVAL. COORDINATE APPROVAL AND LOCATION WITH OWNER. REMOVE DEMOLITION MATERIALS EACH DAY AND LEAVE WORKING AREAS CLEAN AND SAFE
- PROTECT ALL EXISTING SURFACES TO REMAIN
- AREAS NOT UNDER CONSTRUCTION, BUT AFFECTED BY CONSTRUCTION INCLUDING LOBBIES AND CORRIDORS ARE TO BE PROTECTED. DUST BARRIERS SHALL BE CONSTRUCTED WHERE NECESSARY FOR ADDED PROTECTION
- MAINTAIN A SAFE AND ORDERLY WORK SITE. ALL EGRESS PATHS AND FIRE EXITS MUST REMAIN ACCESSIBLE AT ALL TIMES
- REMOVE ALL INDICATED EXISTING PLUMBING SUPPLY DRAIN AND VENT PIPES TO SOURCE AND CAP ALL CUT PIPES. NO PIPING SHALL BE ABANDONED IN PLACE AND NO TEMPORARY CAPS WILL BE ALLOWED
- REMOVE ALL LAMPS FROM FIXTURES PRIOR TO REMOVING FIXTURE FROM CEILING. DO NOT BREAK FLUORESCENT LAMPS.
- ALL FIRE ALARM DEVICES SHALL REMAIN ACTIVE
- PATCH, REPAIR, REPAINT ALL GWB LOCATIONS AFFECTED BY DEMOLITION
- DEMOLISH AND REPLACE ALL EXISTING CURTAIN WALL SYSTEMS WITH NEW 6" CURTAIN WALL SYSTEMS, REF. SPECS.
- DEMOLISH AND REPLACE ALL EXISTING CURTAIN WALL SYSTEMS WITH NEW 4" CURTAIN WALL SYSTEMS AND WALL INFILL, REF. SPECS.
- EXISTING FLOORING TO BE DEMOLISHED
- EXISTING LIGHTING FIXTURES TO BE DEMOLISHED
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED
- CAP ALL ABANDONED PLUMBING
- ALL EXISTING COLUMNS TO REMAIN
- ALL EXISTING SCREENS NEED TO BE SAVED FOR USE IN NEW PROJECT



2 FLOOR PLAN - DEMO - LEVEL 2
1/8" = 1'-0"



1 FLOOR PLAN - DEMO - LEVEL 1
1/8" = 1'-0"

DEMOLITION PLAN LEGEND

SYMBOL	DESCRIPTION
	EXISTING WALL TO BE REMOVED
	EXISTING WALL TO REMAIN
	EXISTING DOOR TO BE REMOVED
	DEMOLISH EXISTING SHELVING

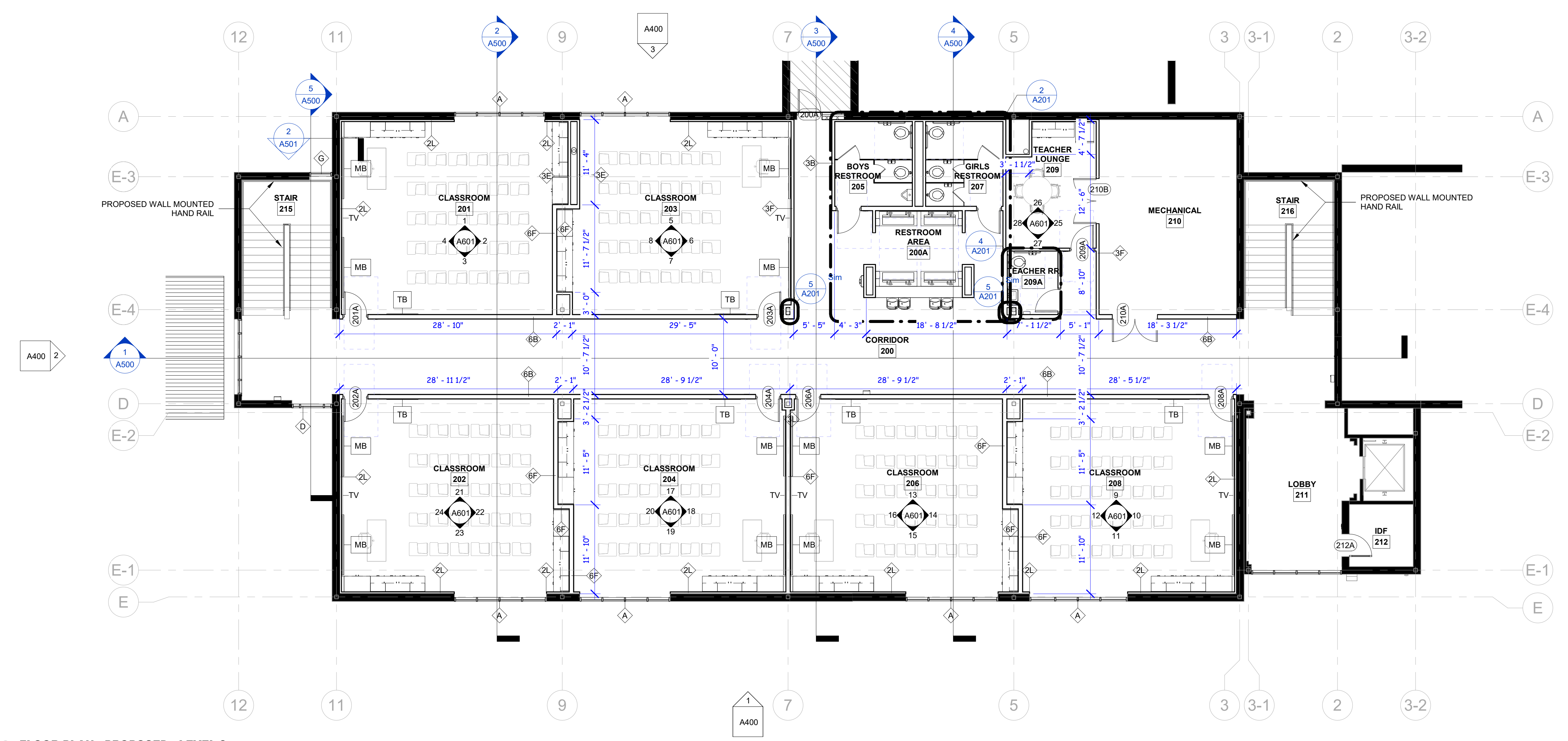
REVISIONS	
NUMBER	DATE

- GENERAL PLAN NOTES**
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
 - ALL FURRING WALLS TO BE TYPE 3L UNLESS OTHERWISE NOTED
 - ALL MARKERBOARDS AND INTERACTIVE TVS TO BE CENTERED ALONG ASSOCIATED TEACHING WALL U.O.N.

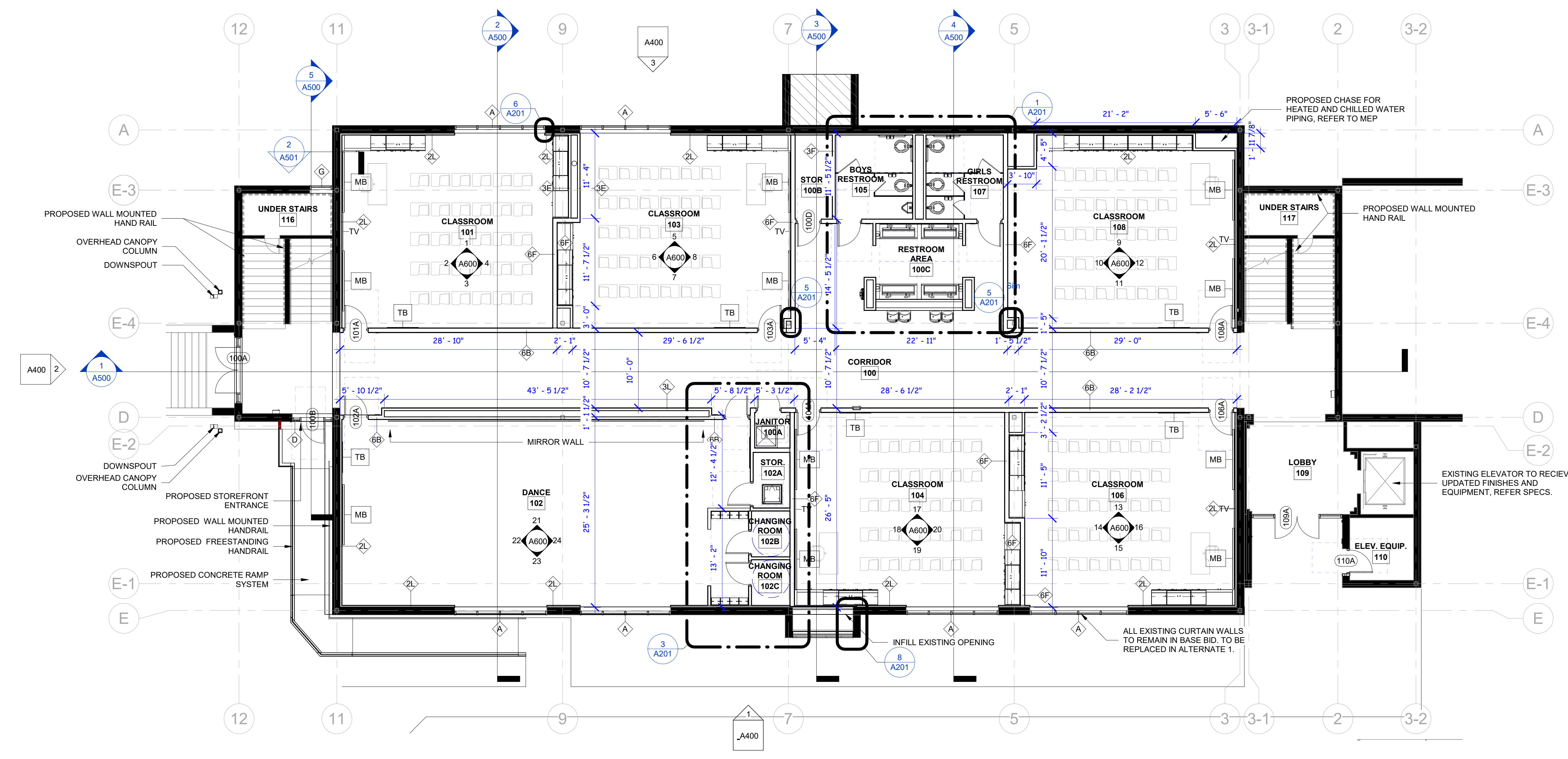
- ALTERNATE LIST**
- 1A - DEMOLISH AND REPLACE ALL EXISTING CURTAIN WALL SYSTEMS WITH NEW 6" CURTAIN WALL SYSTEMS, REF. SPECS.
 - 1B - DEMOLISH AND REPLACE ALL EXISTING CURTAIN WALL SYSTEMS WITH NEW 4" CURTAIN WALL SYSTEMS AND WALL INFILL, REF. SPECS.

GENERAL PLAN LEGEND

SYMBOL	DESCRIPTION
	EXISTING WALL
	NEW WALL
	NEW DOOR



2 FLOOR PLAN - PROPOSED - LEVEL 2
10/13/20



1 FLOOR PLAN - PROPOSED - LEVEL 1
10/13/20

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GENERAL PLAN NOTES

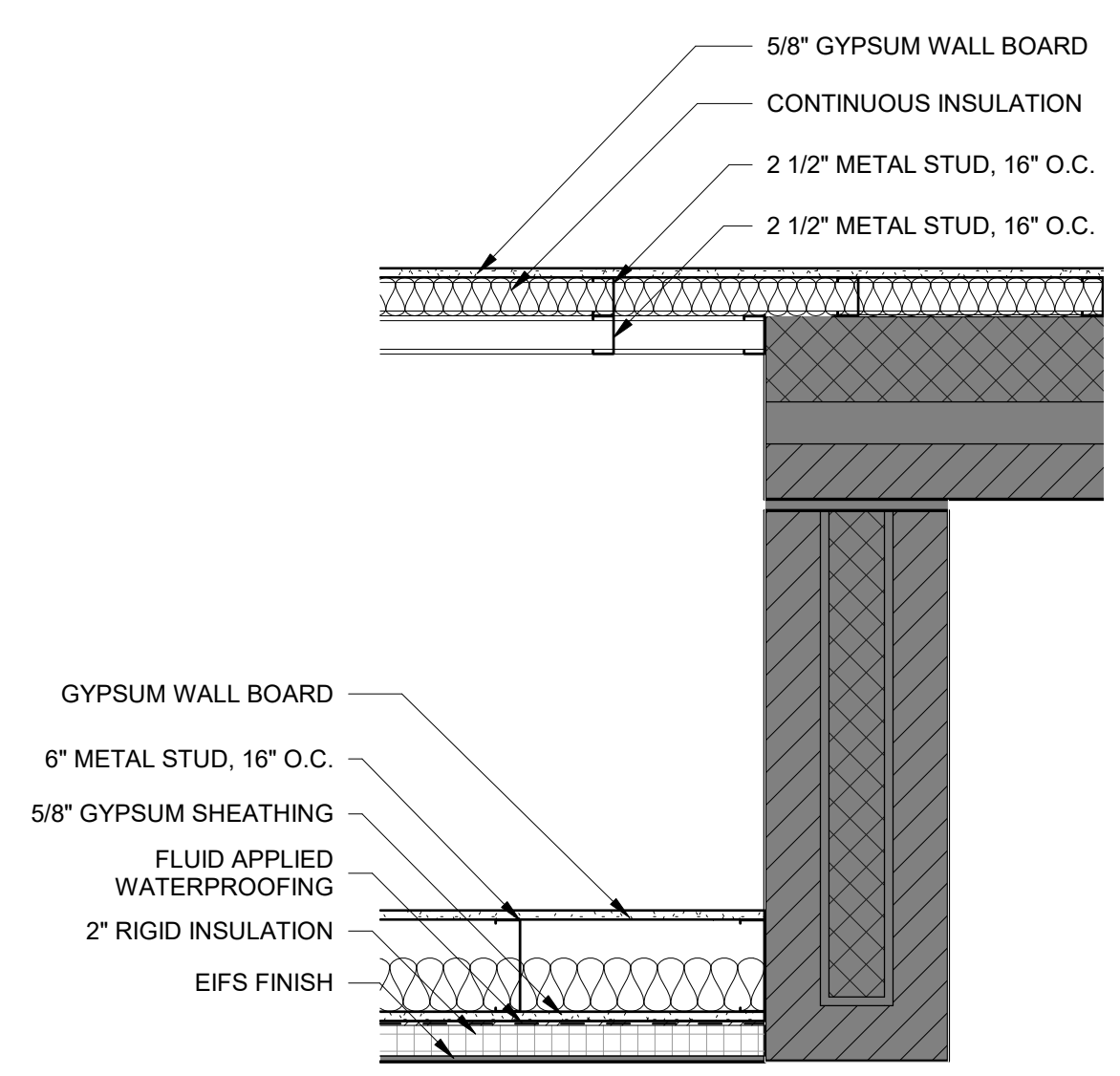
1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
2. ALL FURRING WALLS TO BE TYPE 3L UNLESS OTHERWISE NOTED
3. ALL MARKERBOARDS AND INTERACTIVE TV'S TO BE CENTERED ALONG ASSOCIATED TEACHING WALL U.O.N.

PLAN SHEET NOTES

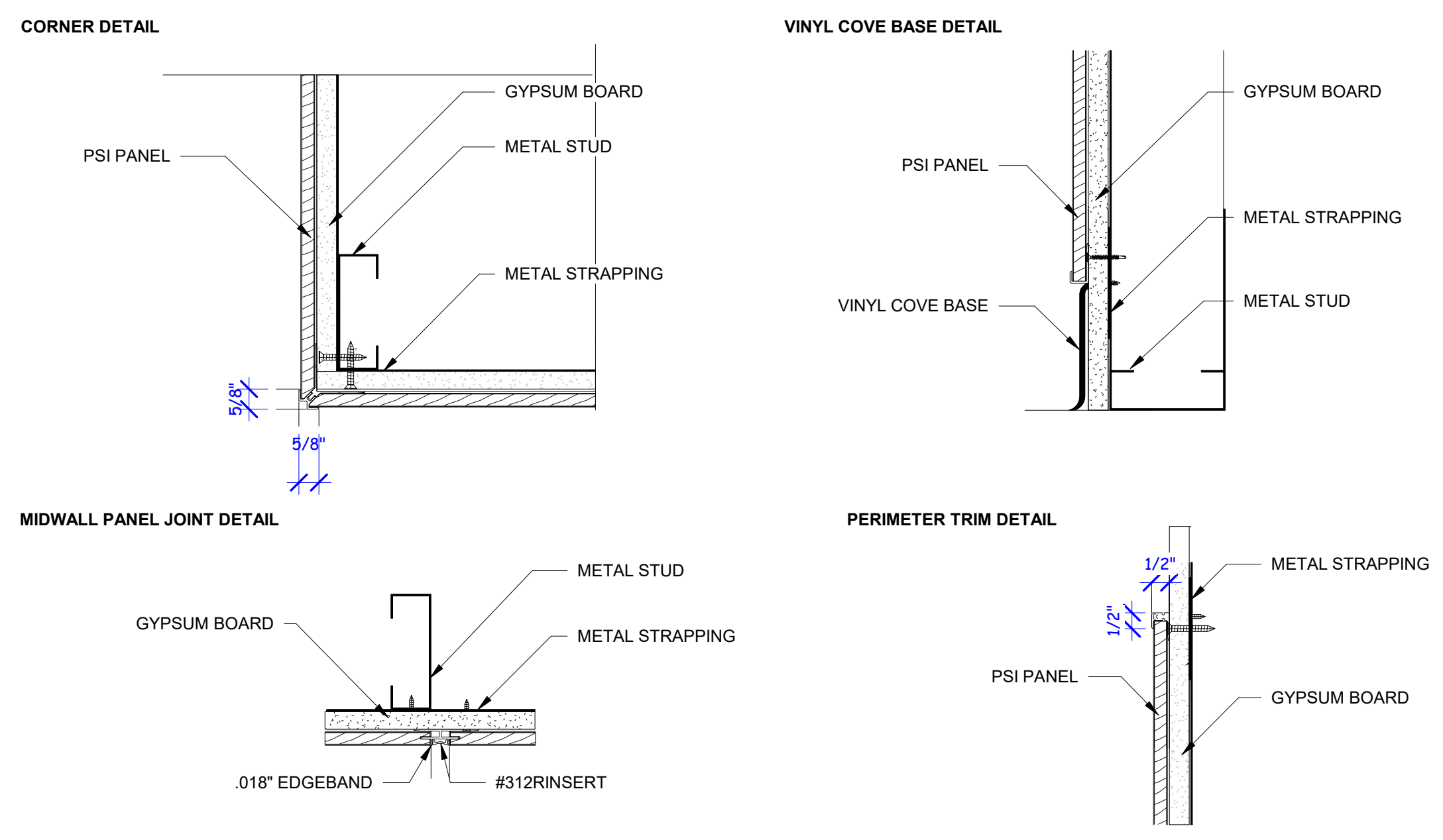
- 01 PROPOSED TROUGH SINK, REF. PLUMBING
- 02 PROPOSED BOTTLE FILLER, REF. PLUMBING
- 03 PROPOSED DRINKING FOUNTAIN, REF. PLUMBING
- 04 PROPOSED MOP SINK, REF. PLUMBING

GENERAL PLAN LEGEND

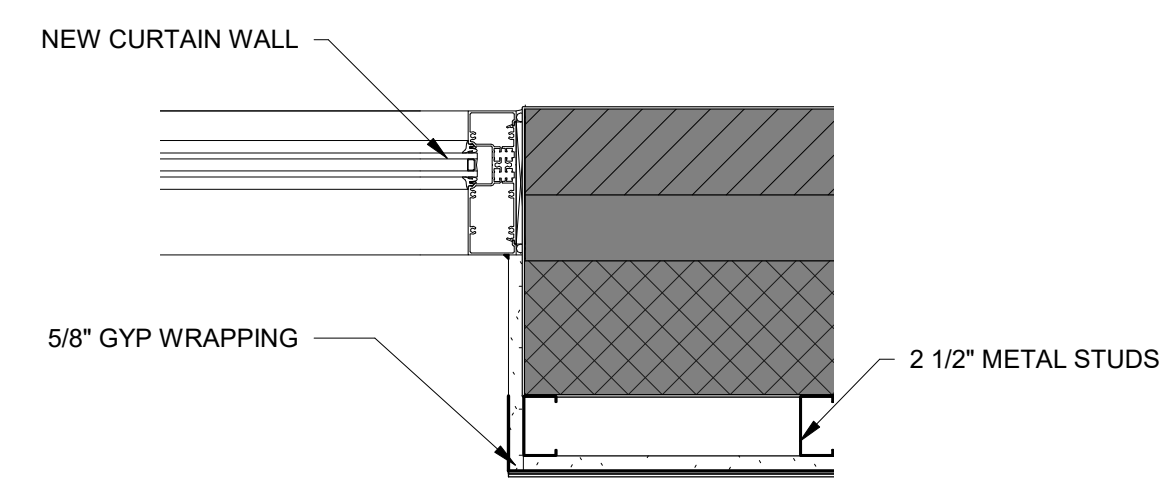
SYMBOL	DESCRIPTION
	EXISTING WALL
	NEW WALL
	NEW DOOR



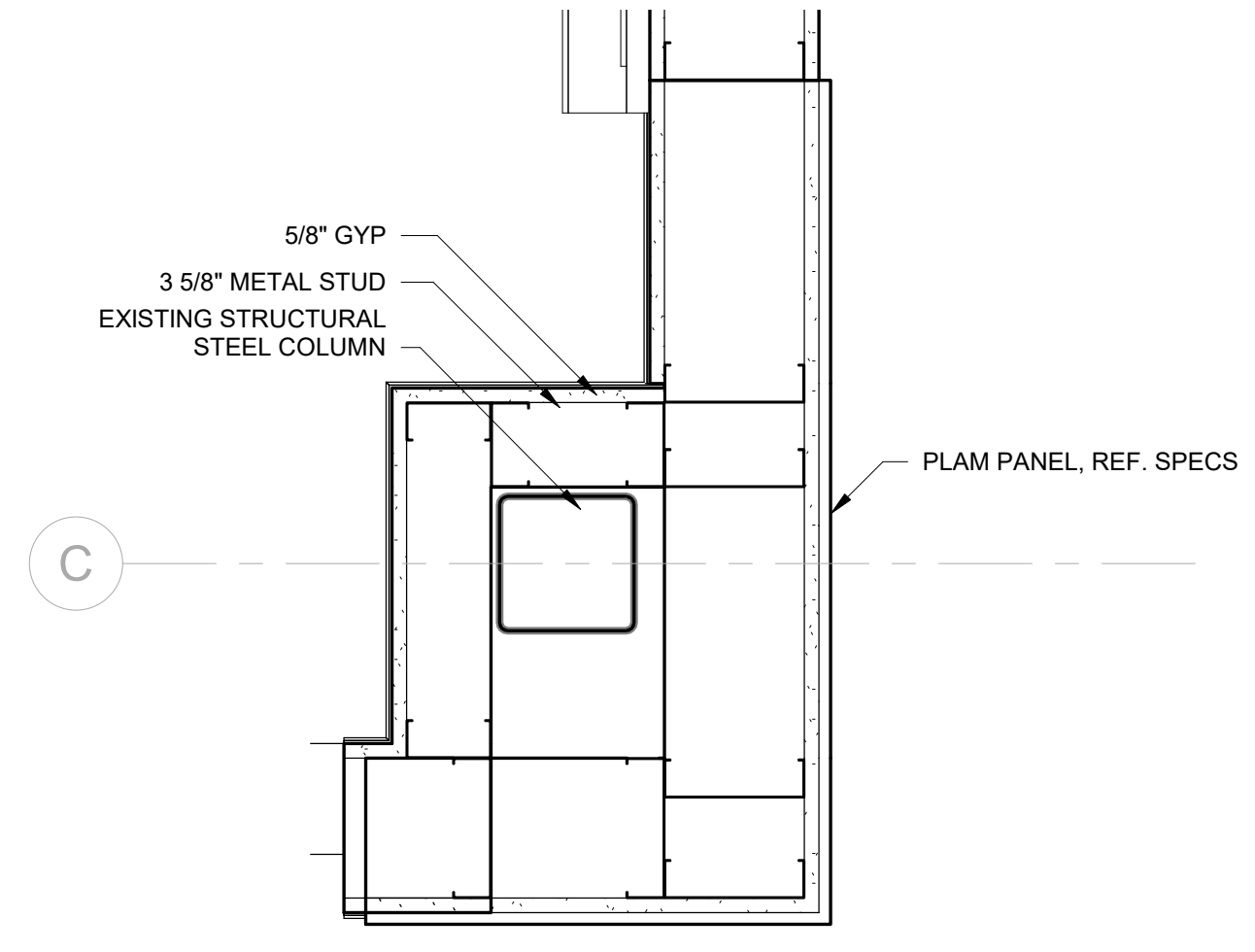
8 PLAN - DETAIL
1" = 1'-0" REF. A200.1



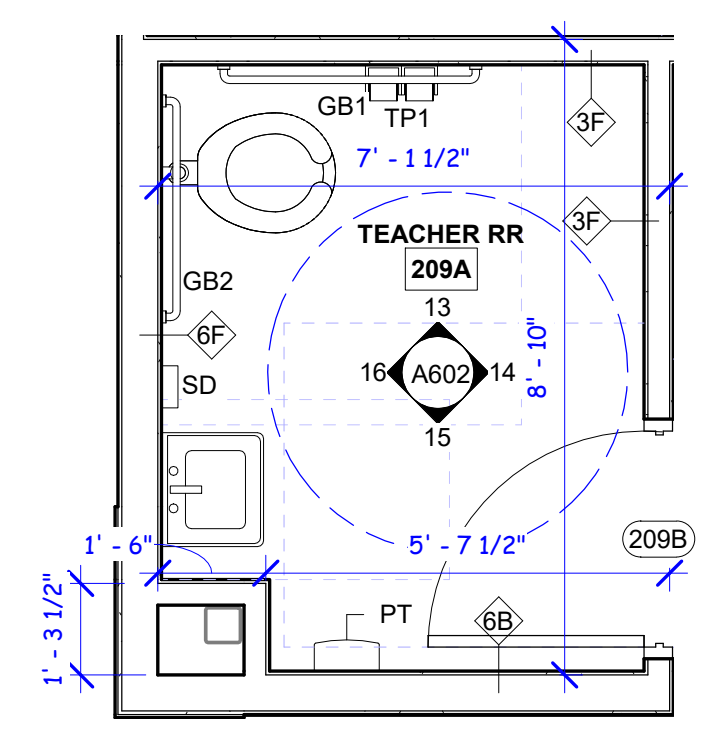
7 PLAN WALL COVERING DETAIL
2" = 1'-0" REF. A200.1



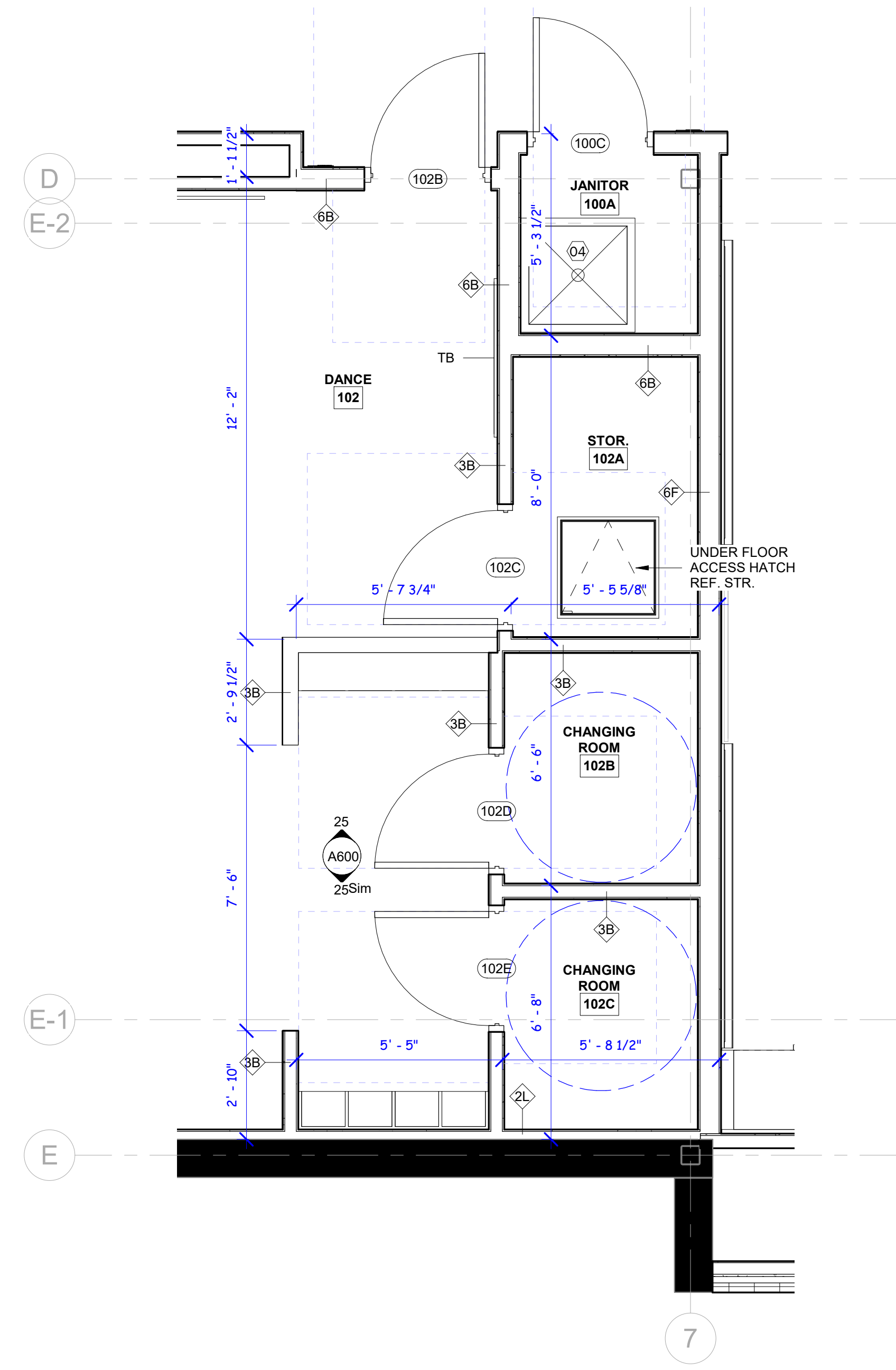
6 PLAN - DETAIL
1/2" = 1'-0" REF. A200.1



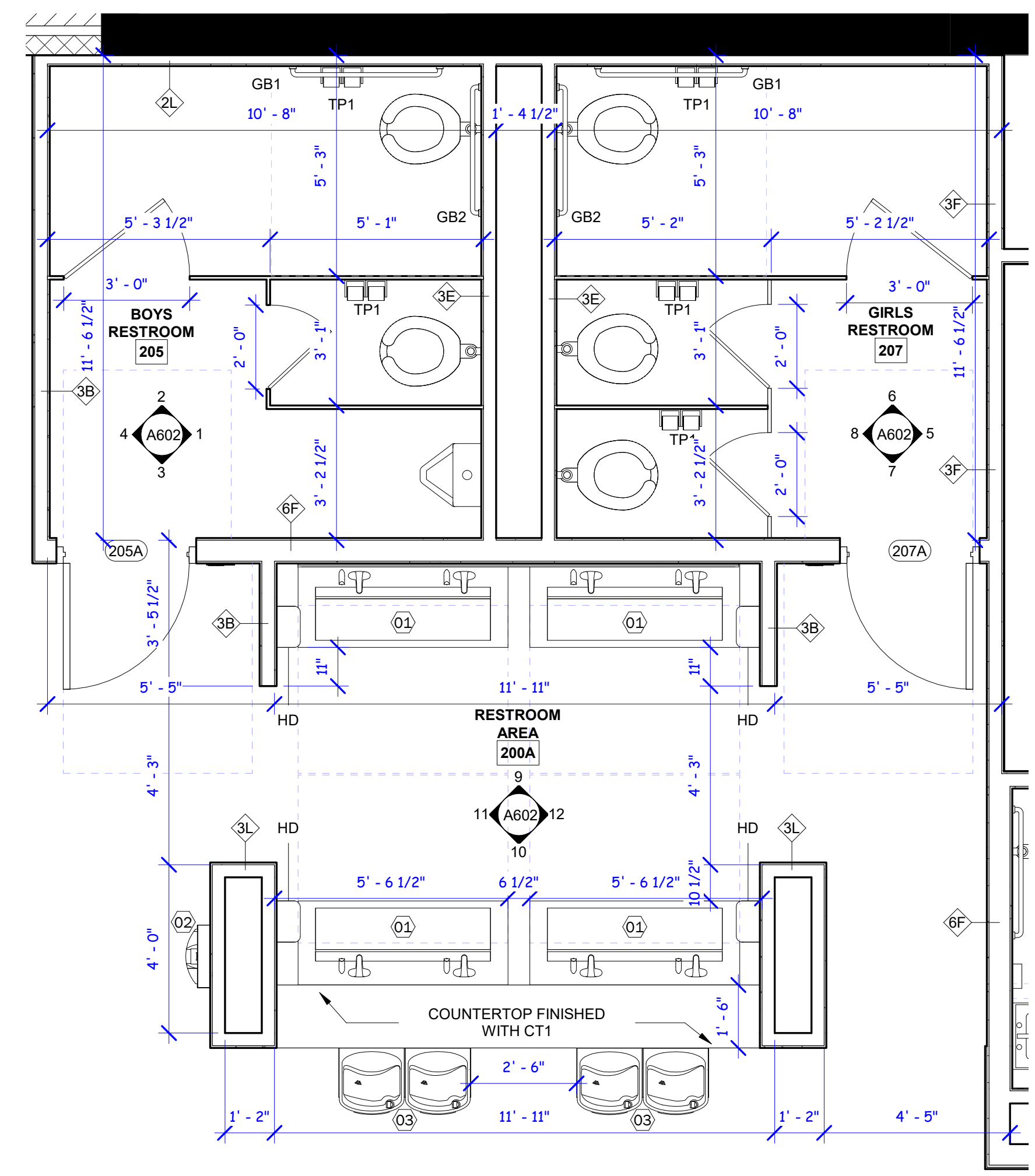
5 TYP. PLAN PLAN DETAIL
1 1/2" = 1'-0" REF. A200.1



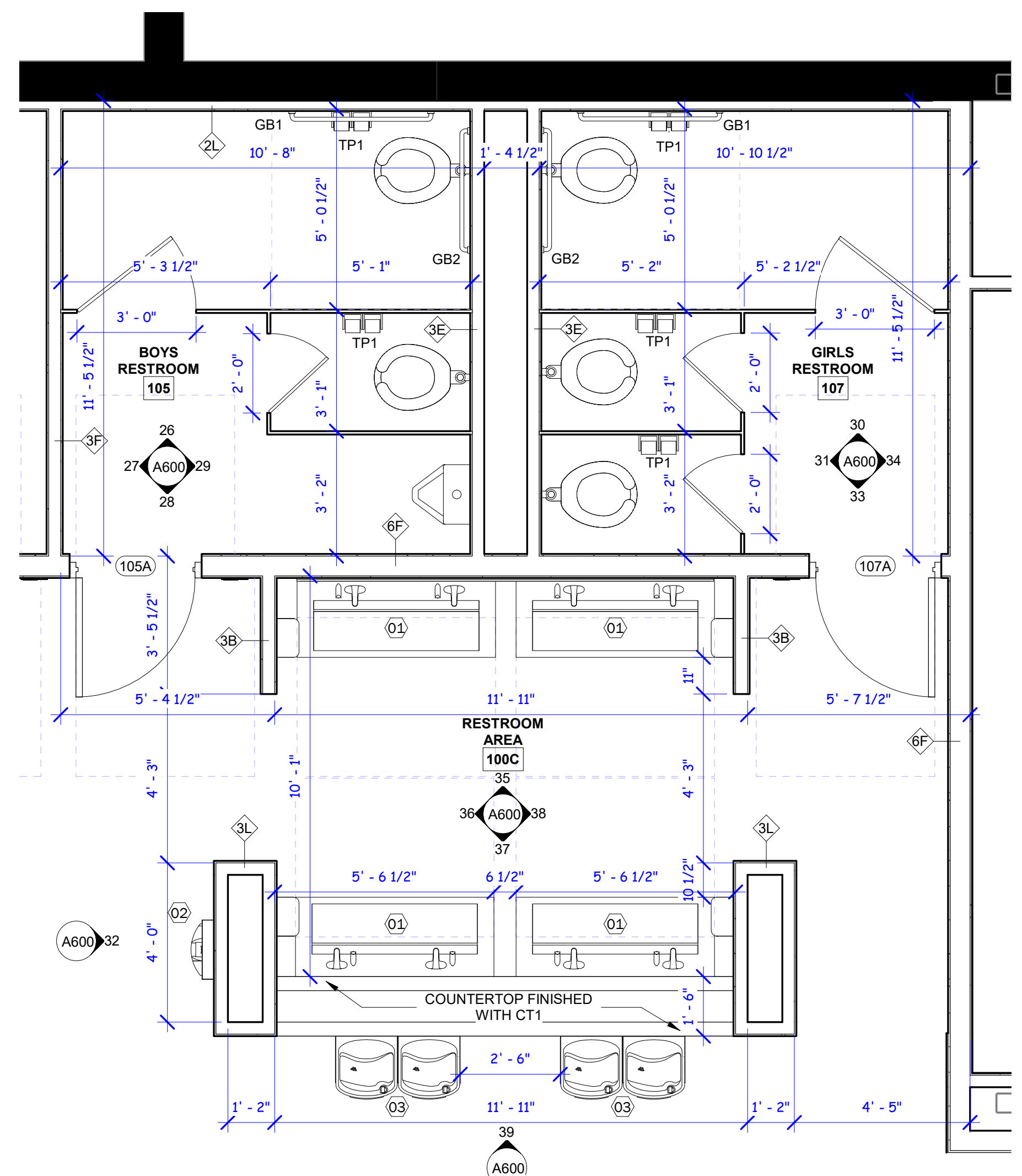
4 FLOOR PLAN - ENLARGED
3/8" = 1'-0" REF. A200.2



3 DANCE ROOM - ENLARGED
3/8" = 1'-0" REF. A200.1



2 FLOOR PLAN - ENLARGED - LEVEL 2
3/8" = 1'-0" REF. A200.2



1 FLOOR PLAN - ENLARGED - LEVEL 1
3/8" = 1'-0" REF. A200.1

NUMBER	DATE

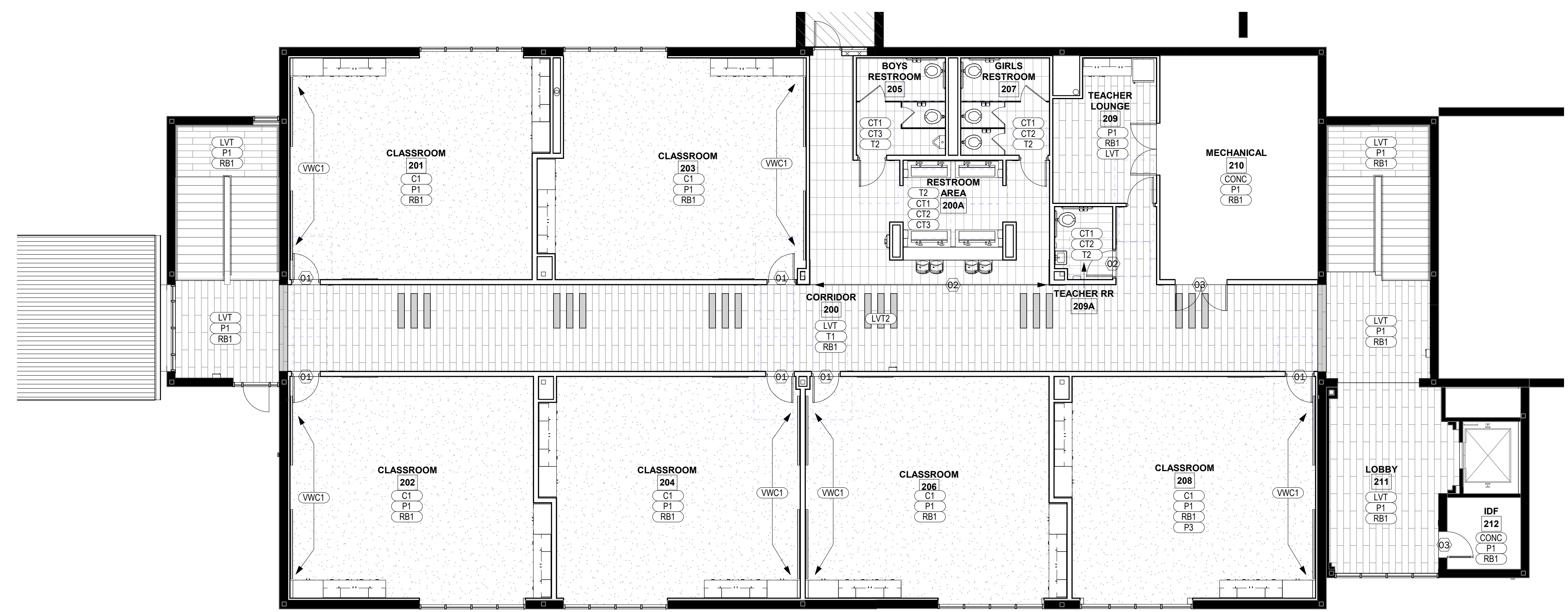
FINISHES					
TAG	DESCRIPTION	MANUFACTURER	FINISH/STYLE	COLOR	COMMENT
C1	CARPET	TARKETT	EL NINO	SENTINEL 02049	
CT1	CERAMIC TILE	INTERCERAMIC	MODULAR RECTIFIED 12"X24"	AVORIO	FIELD WALL TILE
CT2	CERAMIC TILE	INTERCERAMIC	RETRO, 8"X8"	EMERALD	ACCENT WALL TILE, GIRLS RESTROOM
CT3	CERAMIC TILE	INTERCERAMIC	RETRO, 8"X8"	MIDNIGHT BLUE	ACCENT WALL TILE, BOYS RESTROOM
G1	GROUT 1	LATICRETE	EPOXY	MOCHA #35	RR FLOORS
G2	GROUT 2	LATICRETE	EPOXY	SUATERINE, #18	RR WALLS
G3	GROUT 3	LATICRETE	EPOXY	ANTIQUA WHITE, #23	HALLWAY WALLS
LVT	LUXURY VINYL TILE	MOHAWK	ANTIEK	ALABASTER #311	
LVT2	LUXURY VINYL TILE	MOHAWK	ANTIEK	NUMBUS #936	
M1	MARLEY DANCE FLOORING	STAGESTEP	SUPER BRAVO PRO	BLACK	
P1	PAINT	SHERWIN WILLIAMS	-	ORIGAMI WHITE #SW 7636	CLASSROOM WALLS
P2	PAINT	SHERWIN WILLIAMS	SATIN ALL SURFACE ENAMEL	NAVAL #SW 6244	STAIR HANDRAILS
P3	PAINT	SHERWIN WILLIAMS	-	HIGH REFLECTIVE WHITE SW #7757	GYP. CEILINGS
P4	PAINT	SHERWIN WILLIAMS	-	BACKDROP, SW #7025	DOOR AND WINDOW FRAMES
PL1	PLASTIC LAMINATE	FORMICA	MATTE	NAVY GRAFIX, #7018-58	COUNTERTOPS
PL2	PLASTIC LAMINATE	FORMICA	MATTE	WEATHERED ASH, #8842-WR	DOORS, CASEWORK
RB1	RUBBER BASE	FLEXCO	101 MULTI-SURFACE	BACKDROP #NC-2015-249	
RB2	RUBBER BASE	STAGESTEP	VENTED WALL BASE	BLACK	
CONC	SEALED CONCRETE	V-SEAL	101 MULTI-SURFACE	-	APPLY TO AREAS OF EXPOSED CONCRETE
T1	TILE	INTERCERAMIC	ADVANCED, 12"X24"	BIANCO BRERA	
T2	TILE	INTERCERAMIC	PLAIN, 12"X24"	TERRA	
VWC1	VINYL WALL COVERING	KOROSEAL	DESSERT SAND	NEWBURY PORT BLUE 35921-73	TEACHING WALL, ACCENT

GENERAL FINISH PLAN NOTES

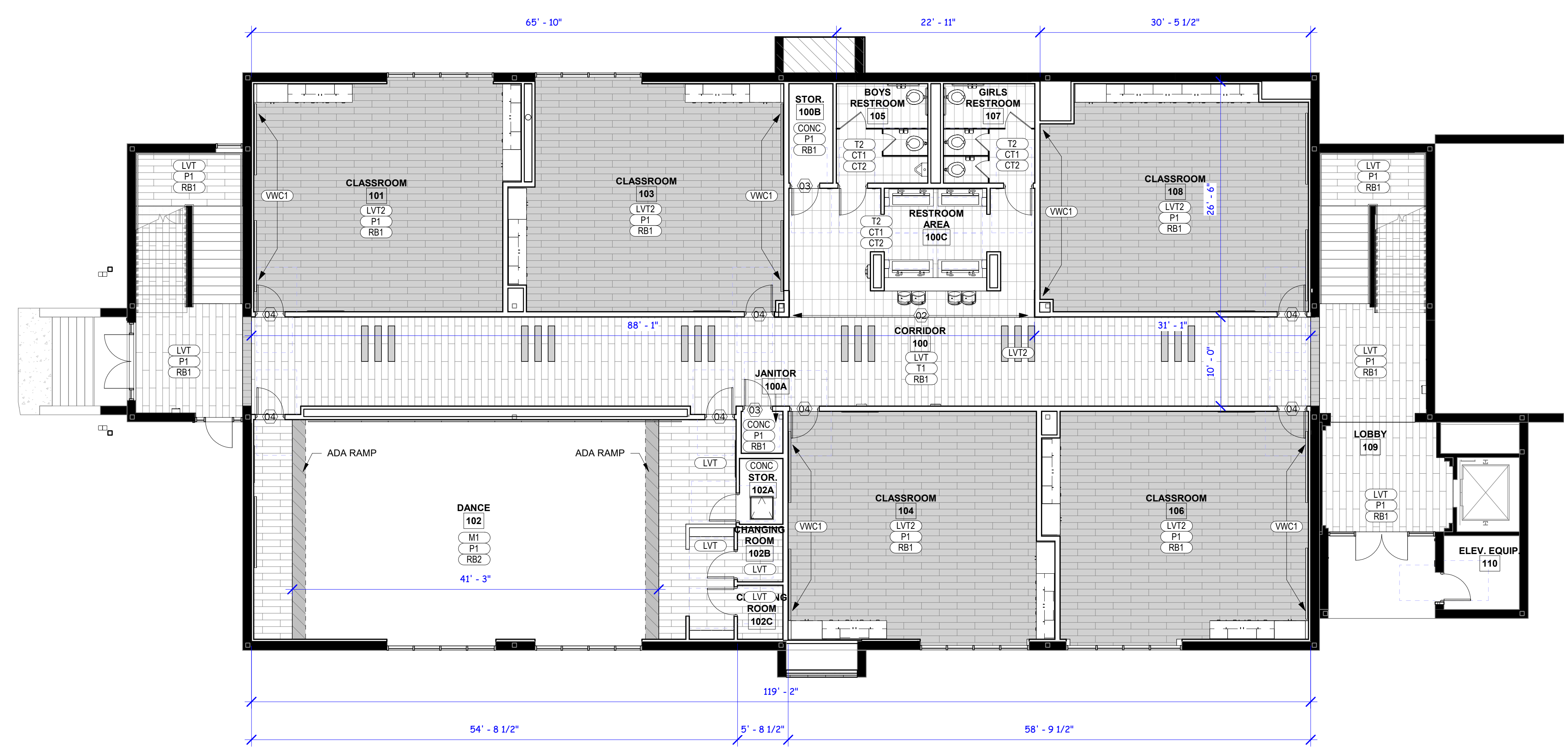
- REFER TO SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION
- ALL FINISHES TO BE OF THE SAME PRODUCTION RUN
- ALL INTERIOR FINISHES SHALL HAVE A CLASS A FLAME SPREAD RATING AND ALL FLOOR COVERING SHALL HAVE A FLAME SPREAD RATING OF 75 OR LESS
- ALL VISIBLE SURFACES TO BE PAINTED BASE COLOR U.O.N.
- ALL G.W.B. SOFFITS AND CEILING TO BE PAINTED "CEILING WHITE" U.O.N.
- SEE ELEVATIONS FOR ADDITIONAL INFORMATION
- FINISHES NOTED "PROVIDED BY OWNER" WILL BE PROVIDED AND INSTALLED BY OWNER. SURFACES TO RECEIVE FINISH ARE TO BE PROPERLY PREPARED PER FINISH MANUFACTURERS RECOMMENDATIONS.
- ALL EXTERIOR TILE CORNERS TO RECEIVE SCHLUTER STRIPS.

FINISH PLAN SHEET NOTES

- LVT TO CPT TRANSITION STRIP, FLEXCO 167 JOINER OR EQUAL. CUSTOM COLOR BACKDROP #NC-2015-249
- LVT TO TILE TRANSITION STRIP, FLEXCO 167 JOINER OR EQUAL. CUSTOM COLOR BACKDROP #NC-2015-249
- LVT TO CONCRETE TRANSITION STRIP, FLEXCO 185 3/16 EDGE GUARD. CUSTOM COLOR BACKDROP #NC-2015-249
- LVT TO LVT TRANSITION STRIP, FLEXCO 161 SNAP DOWN EDGE. CUSTOM COLOR BACKDROP #NC-2015-249
- EXISTING CONCRETE TO REMAIN EXPOSED
- FLEXCO HEAVY DUTY RADIAL II ONE-PIECE TREAD WITH RISER 1701 & 1776. CUSTOM COLOR BACKDROP #NC-2015-249



2 FLOOR PLAN - FINISHES - LEVEL 2
1/8" = 1'-0"



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

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NUMBER	DATE

FURNITURE SCHEDULE			
TYPE MARK	DESCRIPTION	COUNT	COMMENTS
CH1	TEACHER CHAIR	11	TO BE SUPPLIED BY OWNER
DSK1	TEACHER DESK	11	TO BE SUPPLIED BY OWNER
DSK2	STUDENT DESK	330	TO BE SUPPLIED BY OWNER
TBL1	SEATING 4	1	
TV	NEWLINE TRUTOUCH - 65"	11	SALVAGED FROM DEMO, CONTRACTOR TO INSTALL

CURTAIN WALL SCHEDULE					
TYPE MARK	DESCRIPTION	LENGTH	HEIGHT	COMMENTS	COUNT
A	CURTAIN WALL				7
B	STOREFRONT	12' - 0"	9' - 6"		1
C	CURTAIN WALL	12' - 0"	12' - 0"		1
D	CURTAIN WALL	5' - 4"	21' - 6"		1
E	STOREFRONT	10' - 0"	7' - 6"		1
G	CURTAIN WALL	3' - 0"	21' - 6"		1

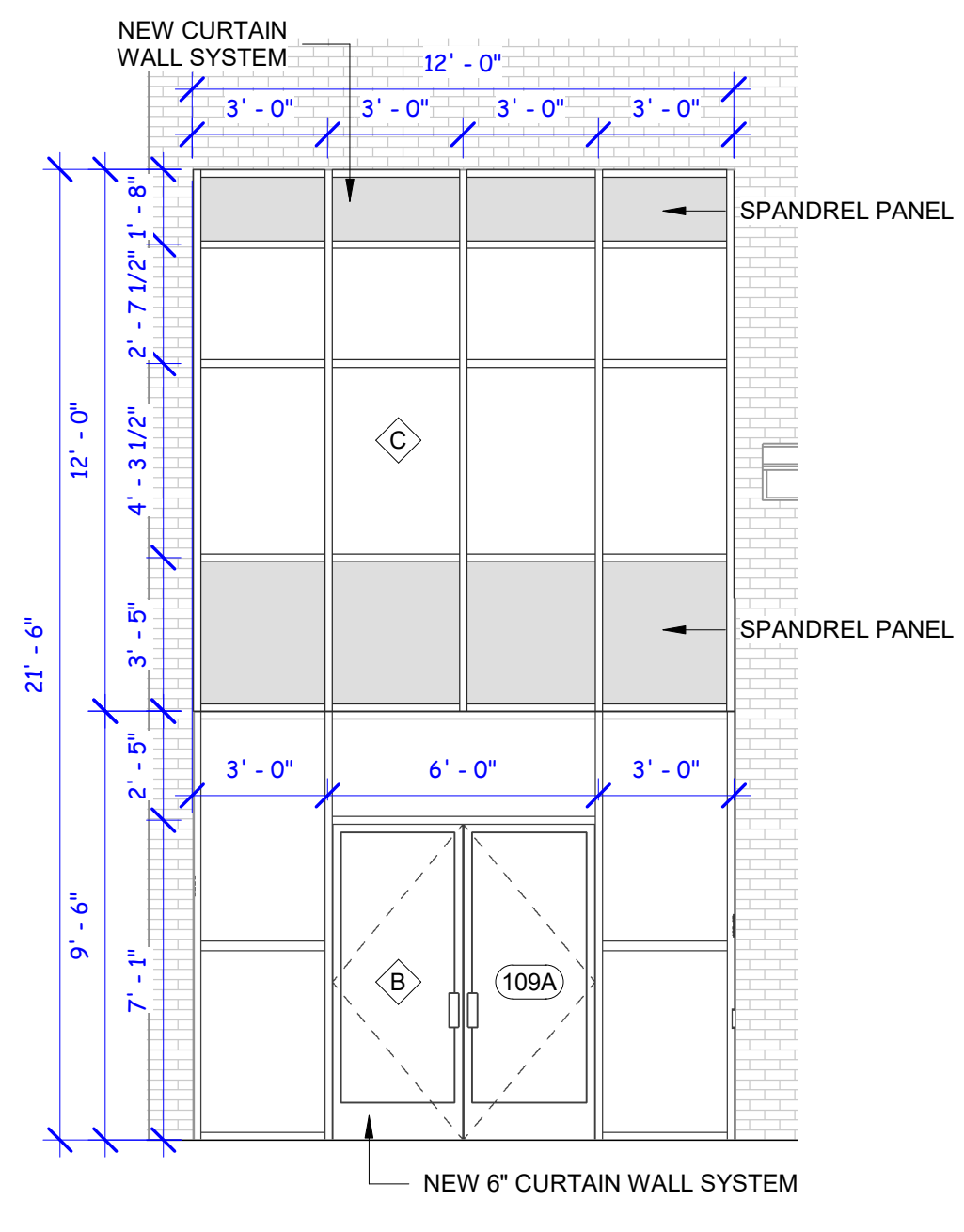
CASEWORK SCHEDULE					
TYPE MARK	WIDTH	DEPTH	HEIGHT	COUNT	DESCRIPTION
	0' - 1 1/2"	1' - 0"	2' - 6"	1	
	0' - 4"	2' - 1"	1' - 6"	10	
	3' - 3"	1' - 0"	2' - 6"	2	UPPER DOUBLE DOOR
A	3' - 0"	2' - 0"	2' - 8 1/2"	1	DOUBLE DOOR WITH DRAWER
A	3' - 3"	2' - 0"	2' - 8 1/2"	15	DOUBLE DOOR WITH DRAWER
B	2' - 0"	2' - 0"	2' - 8 1/2"	42	SINGLE DOOR WITH DRAWER
C	2' - 6"	1' - 0"	1' - 6"	1	UPPER DOUBLE DOOR
C	3' - 0"	1' - 0"	2' - 6"	1	UPPER DOUBLE DOOR
C	3' - 3"	1' - 2"	2' - 6"	22	UPPER DOUBLE DOOR
D	2' - 0"	1' - 2"	2' - 6"	42	UPPER SINGLE DOOR
E	3' - 3"	2' - 0"	2' - 8 1/2"	9	DOUBLE DOOR
F	3' - 6"	2' - 1"	6' - 8"	21	FULL HEIGHT DOUBLE DOOR
G	2' - 6"	2' - 0"	2' - 8 1/2"	1	ADA SINK BASE
H	5' - 0"	1' - 0"	6' - 6"	2	WALL HUNG OPEN SHELVING

SIGNAGE SCHEDULE	
ROOM NUMBER	ROOM NAME
100A	JANITOR
100B	STORAGE
101	CLASSROOM
102A	DANCE
102B	DANCE
103	CLASSROOM
104	CLASSROOM
105	RESTROOM
106	CLASSROOM
107	RESTROOM
108	CLASSROOM
110	ELEVATOR EQUIPMENT
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	RESTROOM
206	CLASSROOM
207	RESTROOM
208	CLASSROOM
209A	TEACHER LOUNGE
209A	TEACHER RR
210	MECHANICAL
212	IDF

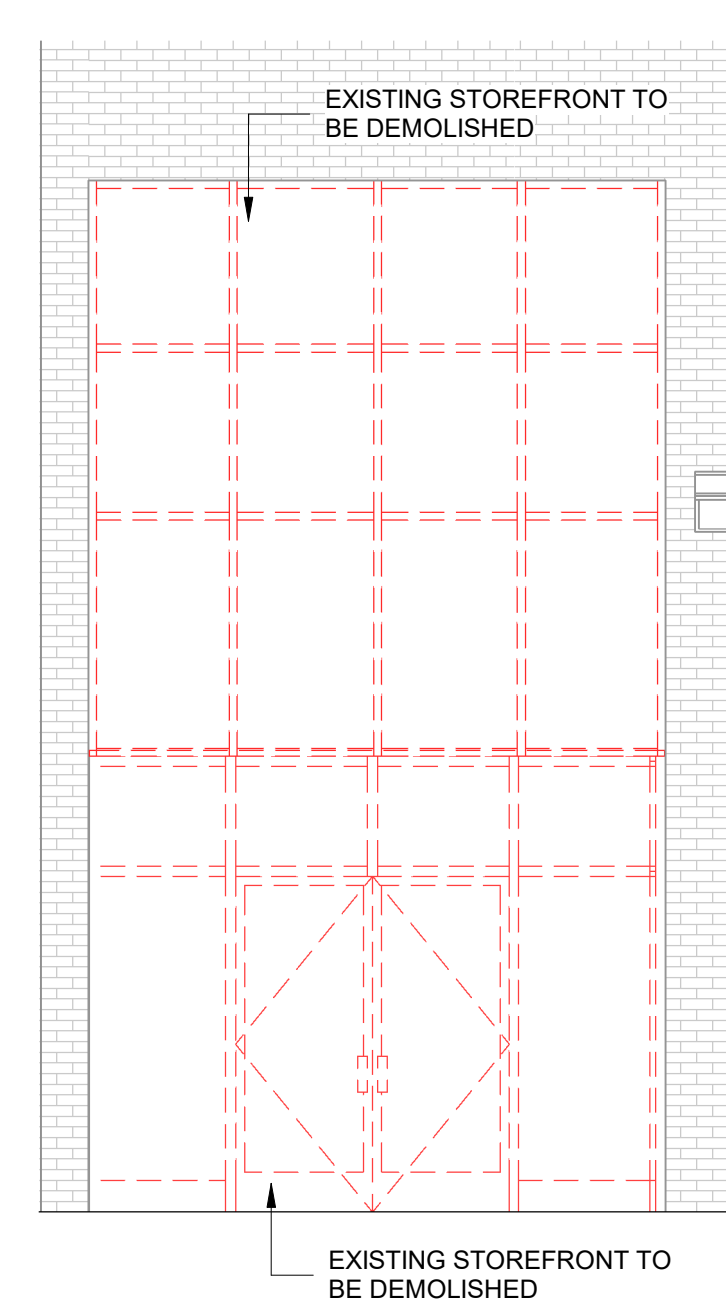
DOOR SCHEDULE												
DOOR #	TO ROOM	FROM ROOM	DOOR TYPE	WIDTH	HEIGHT	FRAME TYPE	CLOSER	FIRE RT.	KICKPL.	PANIC	WTHR STRIP	DESCRIPTION
100A	100			6' - 0 1/2"	6' - 10 1/2"	ALUM		NONE				ALUMINUM
100B	100		SF	3' - 0"	6' - 11 1/2"	ALUM	Yes	NONE	Yes	Yes	Yes	ALUMINUM
100C	100	100A	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
100D	100C	100B	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
101A	101	100	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
102A	100	102	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
102B	100	102	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
102C	102	102A	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
102D	102	102B	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
102E	102	102C	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
103A	103	100	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
104A	104	100	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
105A	100C	105	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
106A	106	100	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
107A	100C	107	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
108A	108	100	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
109A		109	SF	5' - 10"	7' - 0"	ALUM	Yes	NONE	Yes	Yes	Yes	ALUMINUM
110A	110		B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
200A		200	A	3' - 0"	7' - 0"	HM	No	90 MIN	No	No	No	SOLID PLAM DOOR
201A	201	200	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
202A		200	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
203A			A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
204A	204	200	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
205A	200A	205	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
206A	206	200	A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
207A	200A	207	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
208A	208	200	D	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
209A			A	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
209B	209A	200	B	3' - 0"	7' - 0"	HM	No	NONE	No	No	No	SOLID PLAM DOOR
210A	200	210	D	6' - 0"	7' - 0"	ALUM	Yes	NONE	Yes	Yes	Yes	DOUBLE ALUMINUM DOOR
210B	210	209	D	6' - 0"	7' - 0"	ALUM	Yes	NONE	Yes	Yes	Yes	DOUBLE ALUMINUM DOOR
212A	212	211	C	3' - 0"	7' - 0"	ALUM	No	NONE	No	No	No	ALUMINUM

SPECIALTY EQUIPMENT SCHEDULE						
TYPE MARK	DESCRIPTION	TYPE	MANUFACTURER	MODEL	COUNT	COMMENTS
CR	CARD READER	CARD READER	MULTITECH	CARDREADER MT11	3	
FEC		Surface Mounted	SEE SPECS		5	
GB1	GRAB BAR, 42"	42"	BRADLEY	817 SERIES	5	
GB2	GRAB BAR, 36"	36"	BRADLEY	817 SERIES	5	
HD	AUTOMATIC HAND DRYER	Mtg. Hgt. - Handicapped 35"	EXCEL DRYER, INC.	40502	8	
MB	MARKER BOARD - 8'	4'x8'	MOORECO	E2H2AG	23	
MI	BORDERLESS, FRAMELESS	36"x72"	FABGLASS	M36x72	14	
MIR	ADA MIRROR	Refer to Type Catalog	Ketcham	780-2436	1	
MIR1	ADA MIRROR	ADA - 4'	BRADLEY	780-4836	2	
MIR2	ADA MIRROR	ADA	BRADLEY	780-2436	1	
PT	PAPER TOWEL DISPENSER	CZ FOLDS	BRADLEY	ROLL	1	
RS	ROOM SIGN	8X8, RAISED, BRAILLE			24	
SD	SOAP DISPENSER	3270	BOBRICK	CONTURA	1	
TB	TACK BOARD - 4'	4x4	MOORECO	301AD	13	
TES	PORTRAIT ADA EXIT		COMPLIANCE SIGNS	RSME 1947_BLKonBRSLVR	7	
TP1	TOILET PAPER DISPENSER	Double Roll - Side By Side	BRADLEY	5241	11	
TPD1	TOILET PARTITION DOOR - 32"x72"	24" x 72"	REF. SPECS		6	
TPD2	TOILET PARTITION DOOR - 36"x72"	36" x 72" 2	REF. SPECS		4	

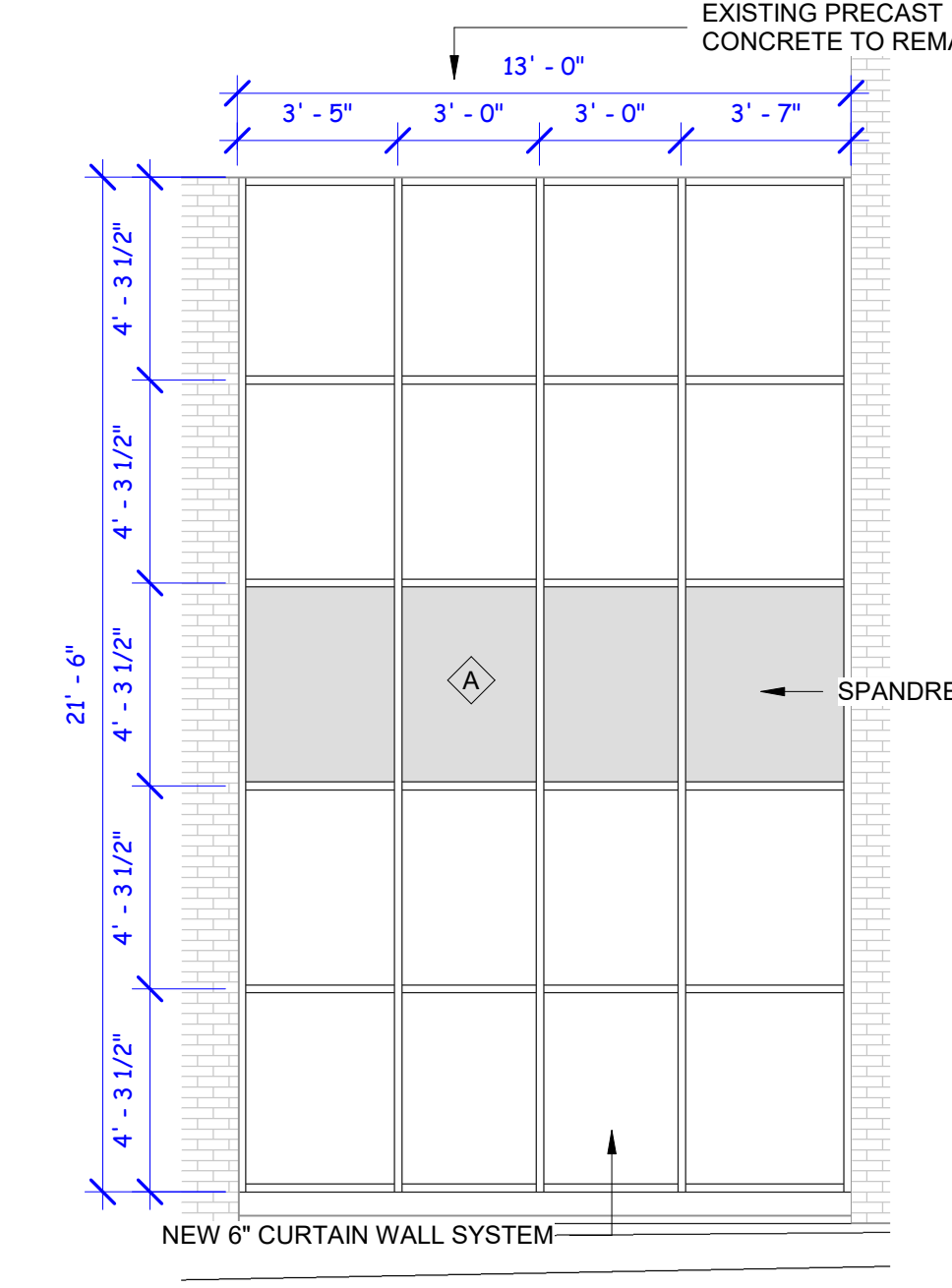
REVISIONS	
NUMBER	DATE



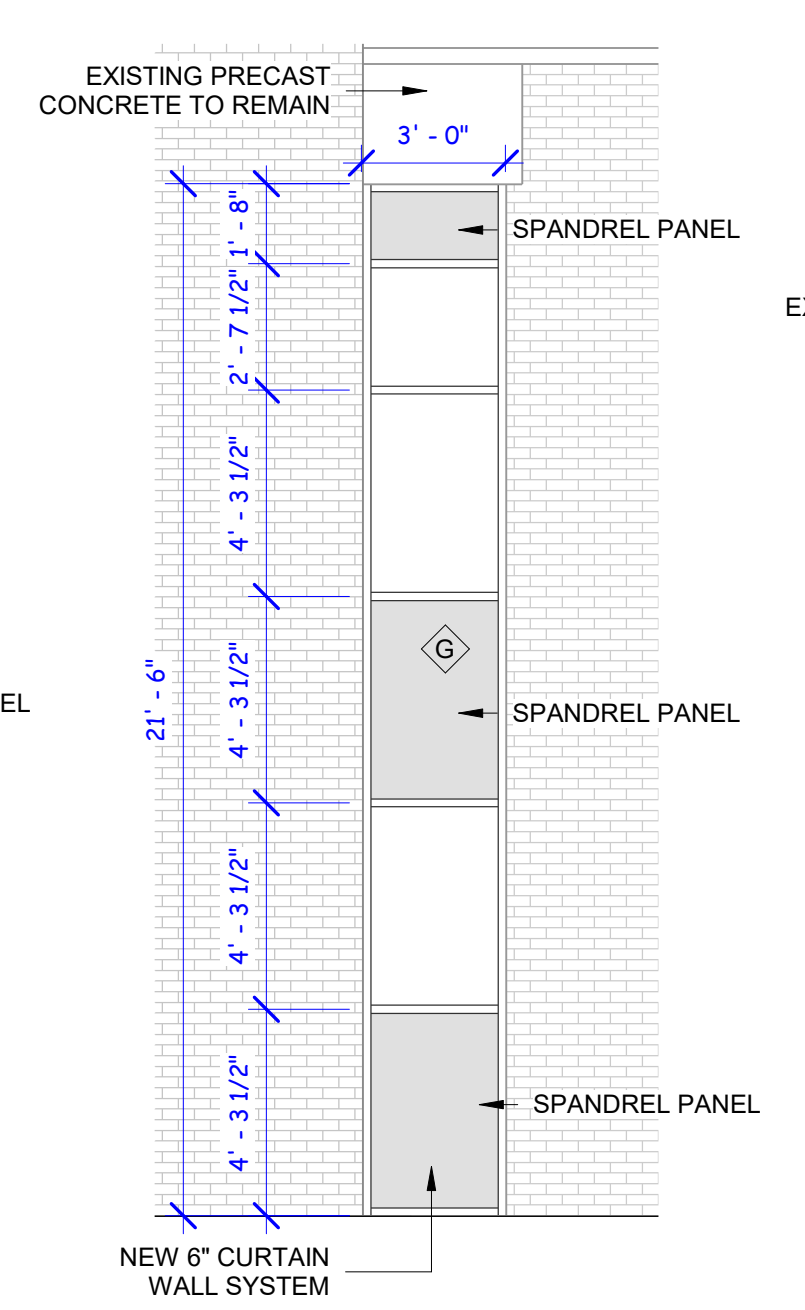
13 ELEVATION - ALTERNATE 1
1/4" = 1'-0" REF. A400/3



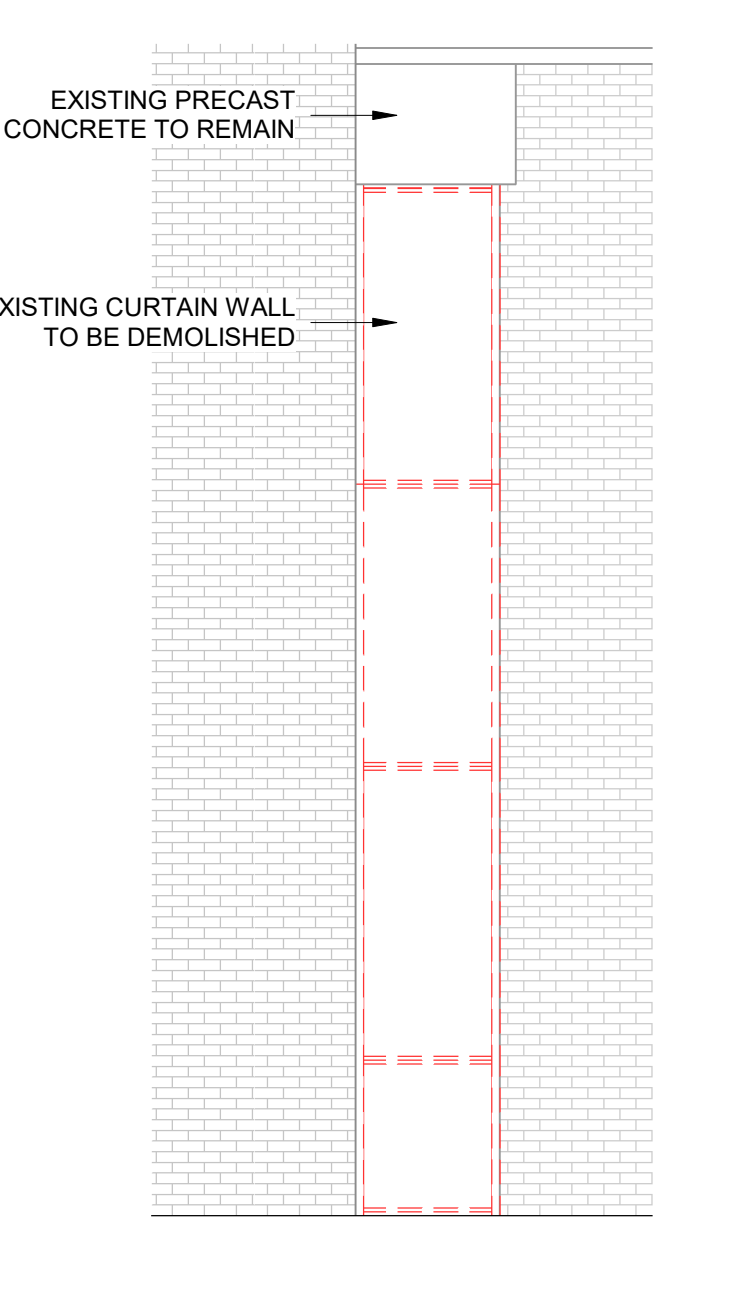
12 ELEVATION - DEMOLISHED
1/4" = 1'-0"



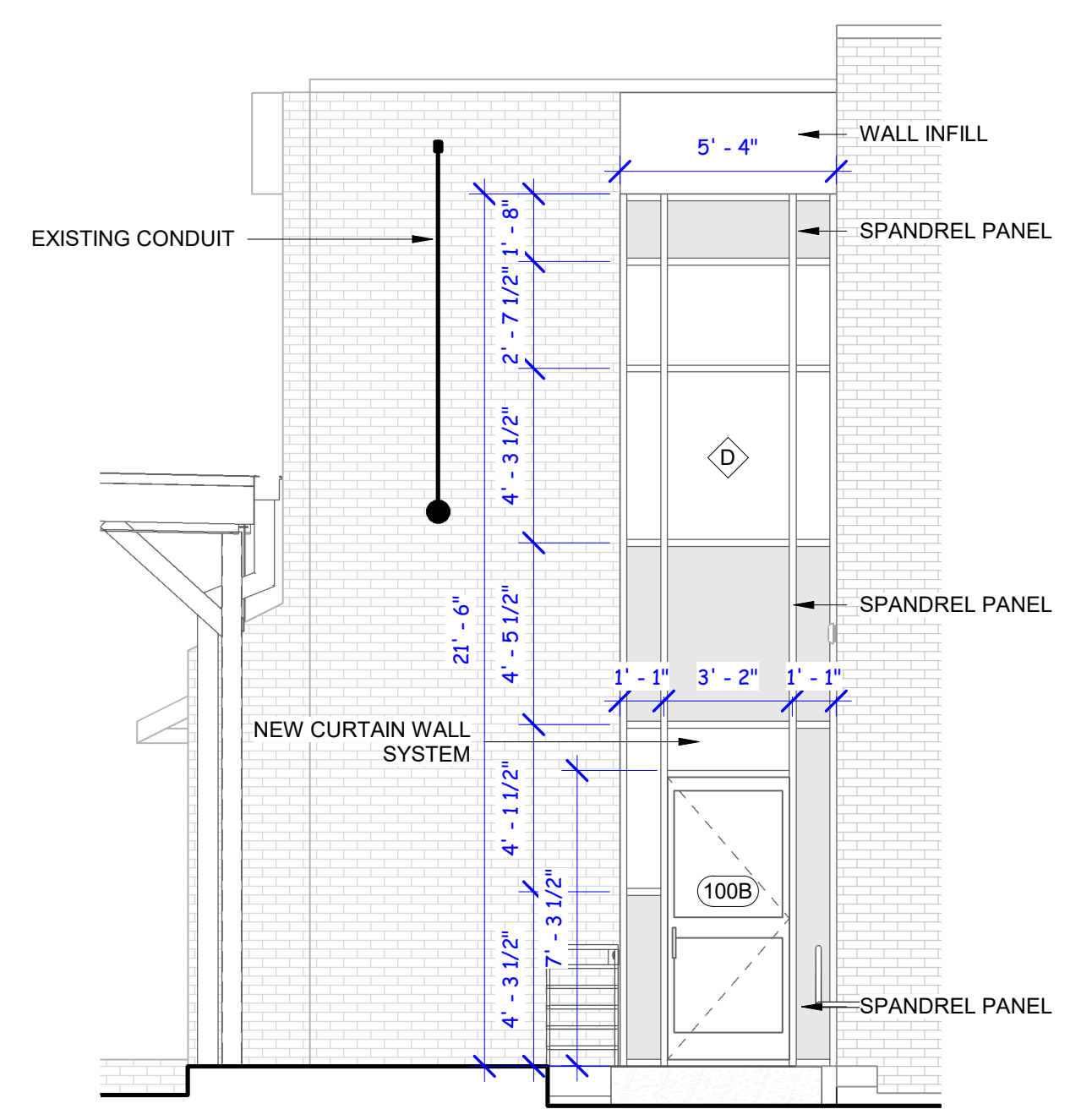
11 ELEVATION - ALTERNATE 1
1/4" = 1'-0" REF. A400/3



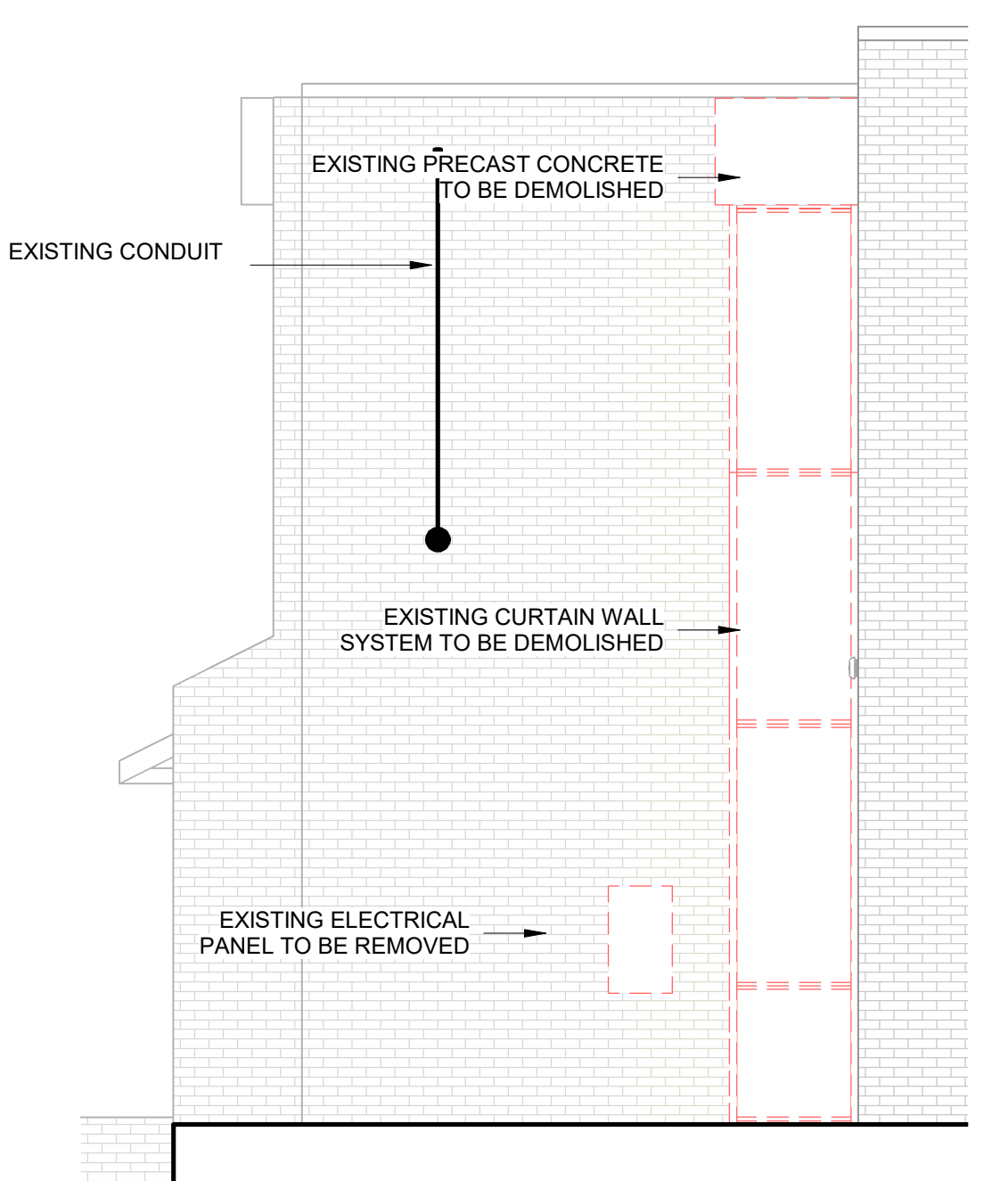
10 ELEVATION - ALTERNATE 1
1/4" = 1'-0" REF. A400/1



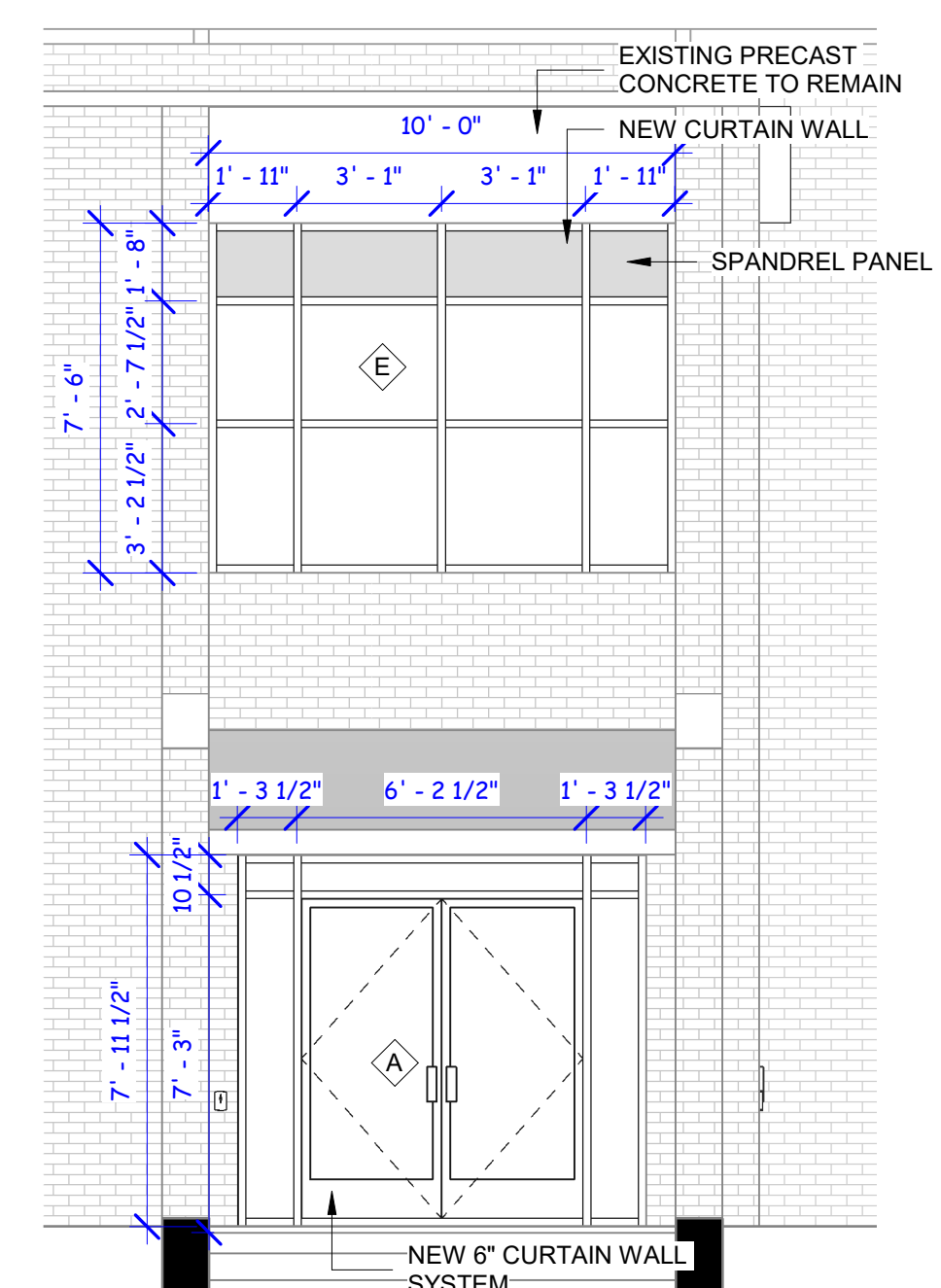
9 ELEVATION - DEMOLISHED
1/4" = 1'-0"



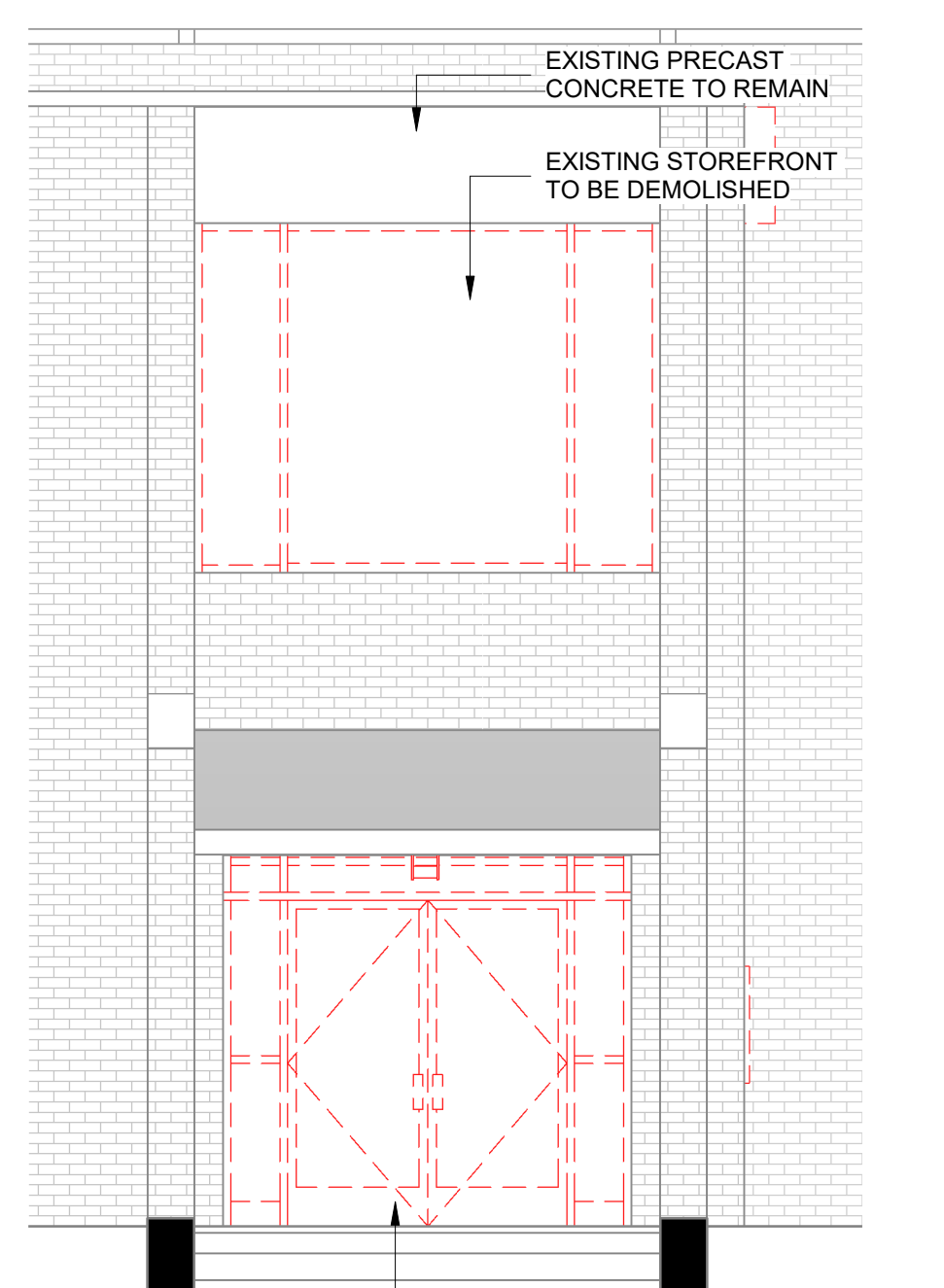
8 ELEVATION - ALTERNATE 1
1/4" = 1'-0" REF. A400/3



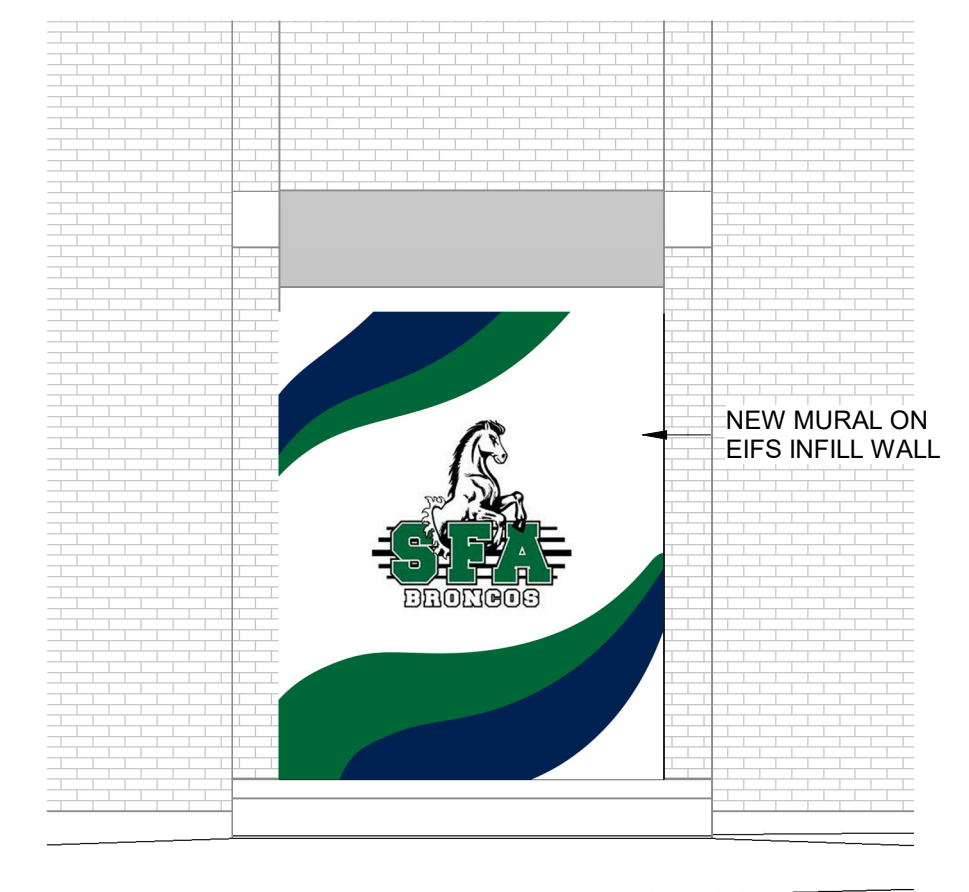
7 ELEVATION - DEMOLISHED
1/4" = 1'-0"



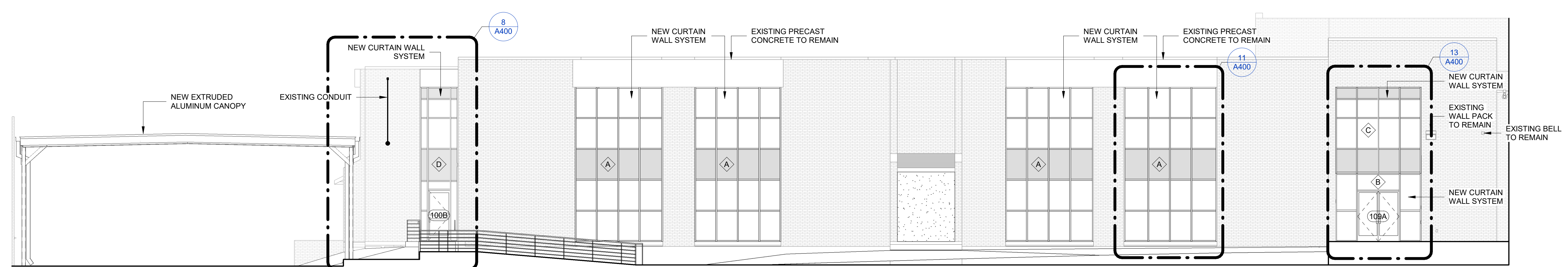
6 ELEVATION - ALTERNATE 1
1/4" = 1'-0" REF. A400/2



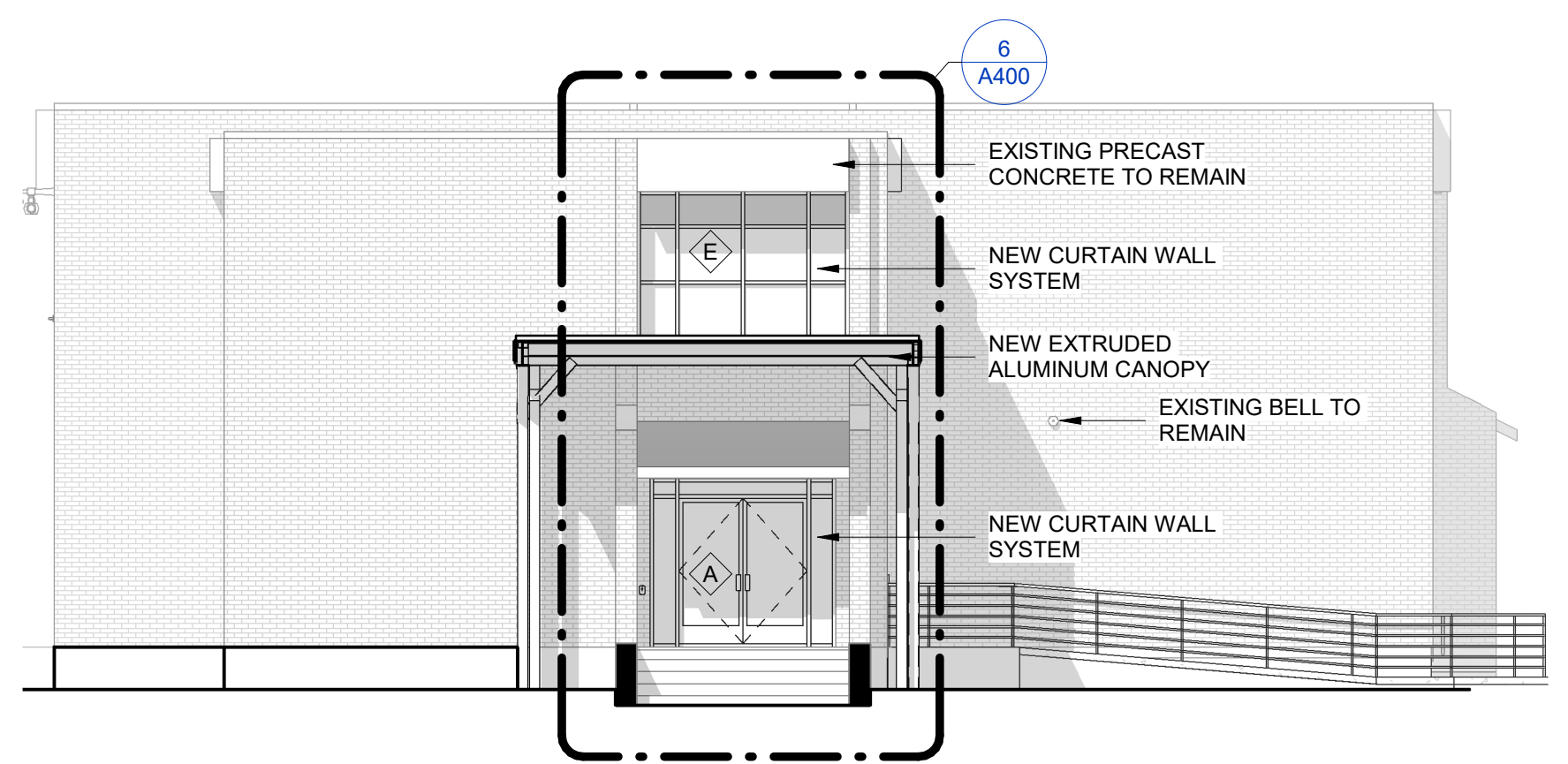
5 ELEVATION - DEMOLISHED
1/4" = 1'-0"



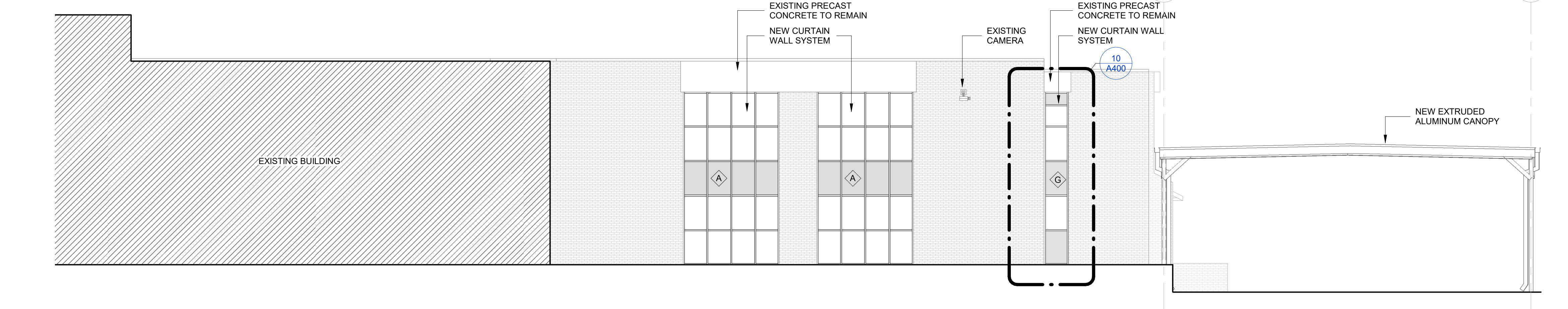
4 ELEVATION - EXTERIOR WALL
1/4" = 1'-0"



3 ELEVATION - EXTERIOR - SOUTH
1/8" = 1'-0" REF. A200/1



2 ELEVATION - EXTERIOR - WEST
1/8" = 1'-0" REF. A200/1



1 ELEVATION - EXTERIOR - NORTH
1/8" = 1'-0" REF. A200/1

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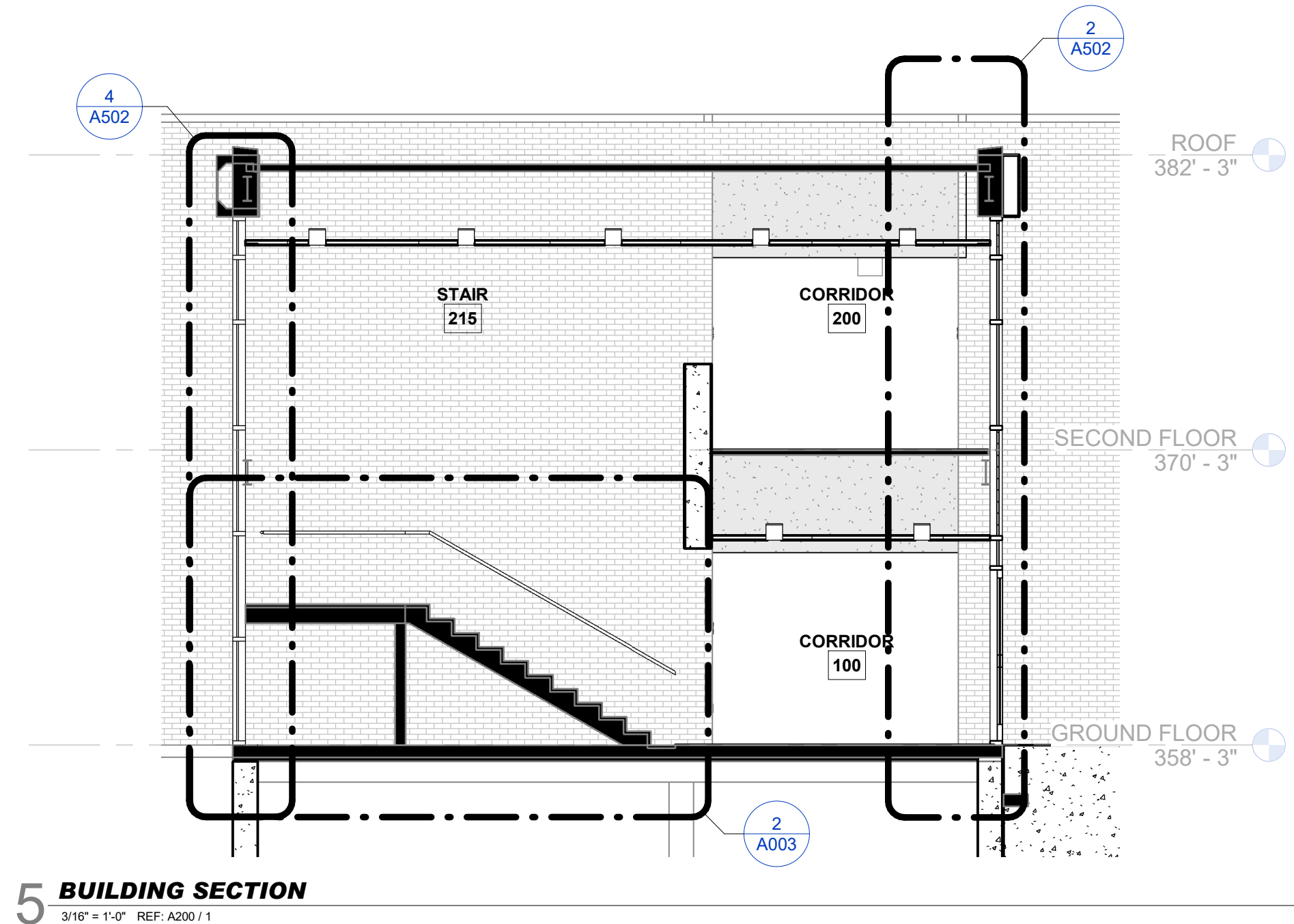
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NUMBER	DATE

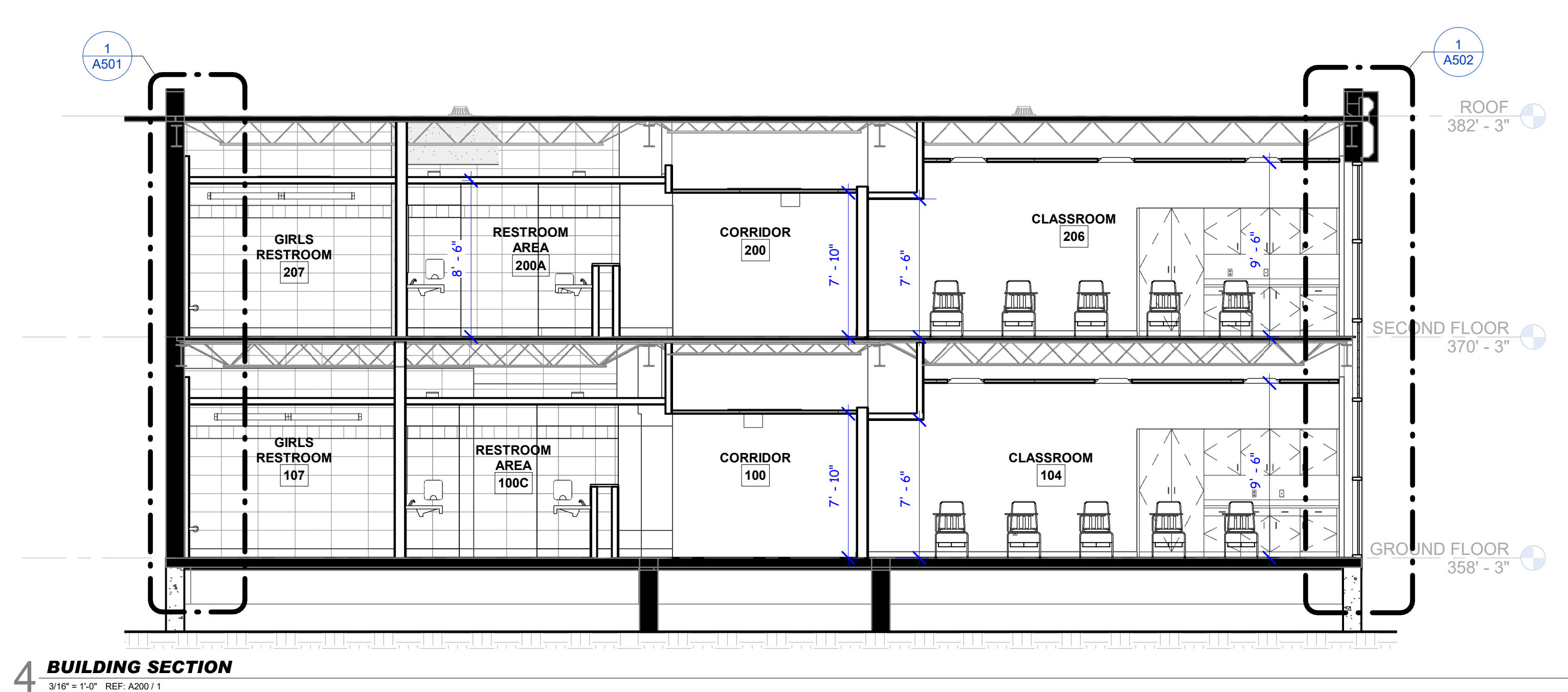
BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
SECTION - BUILDING

Project Number:
201928
Sheet issue date:
2020.10.05

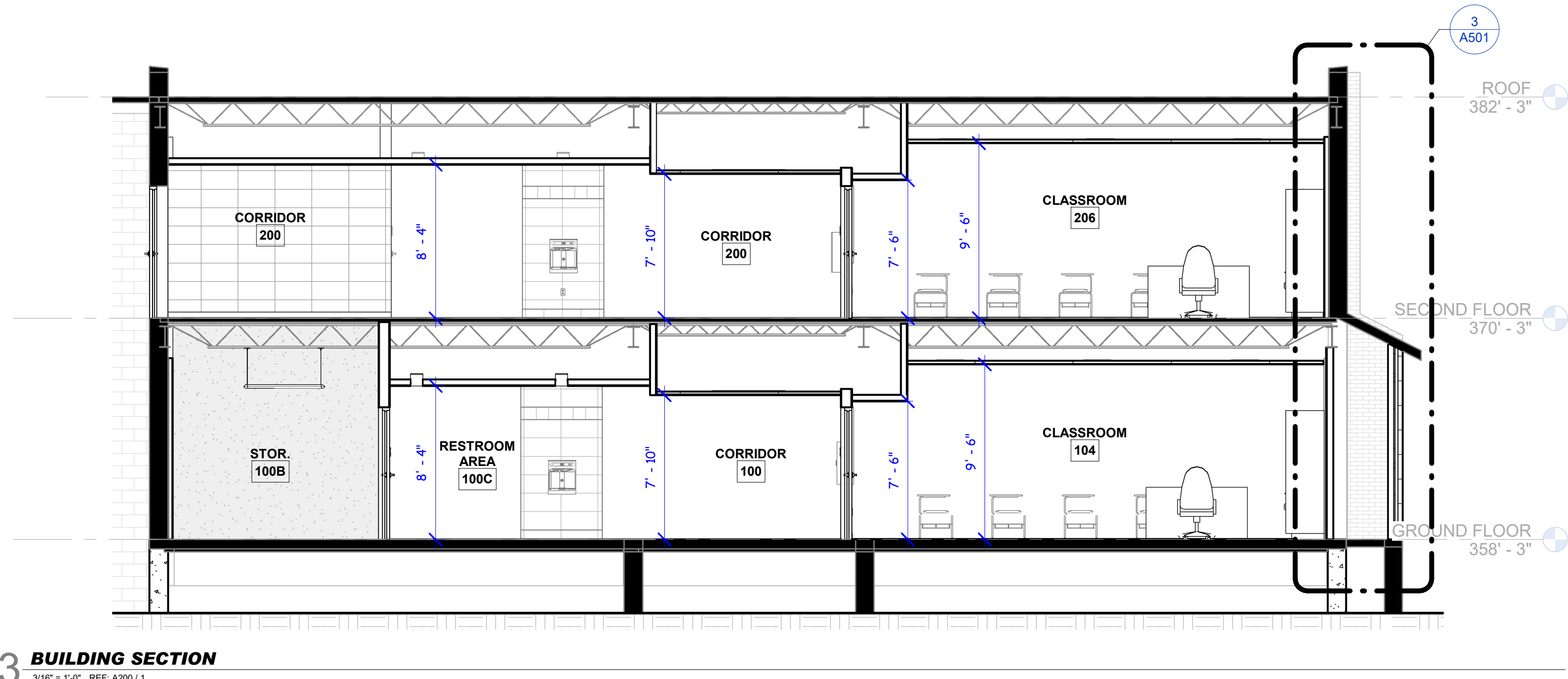
A500



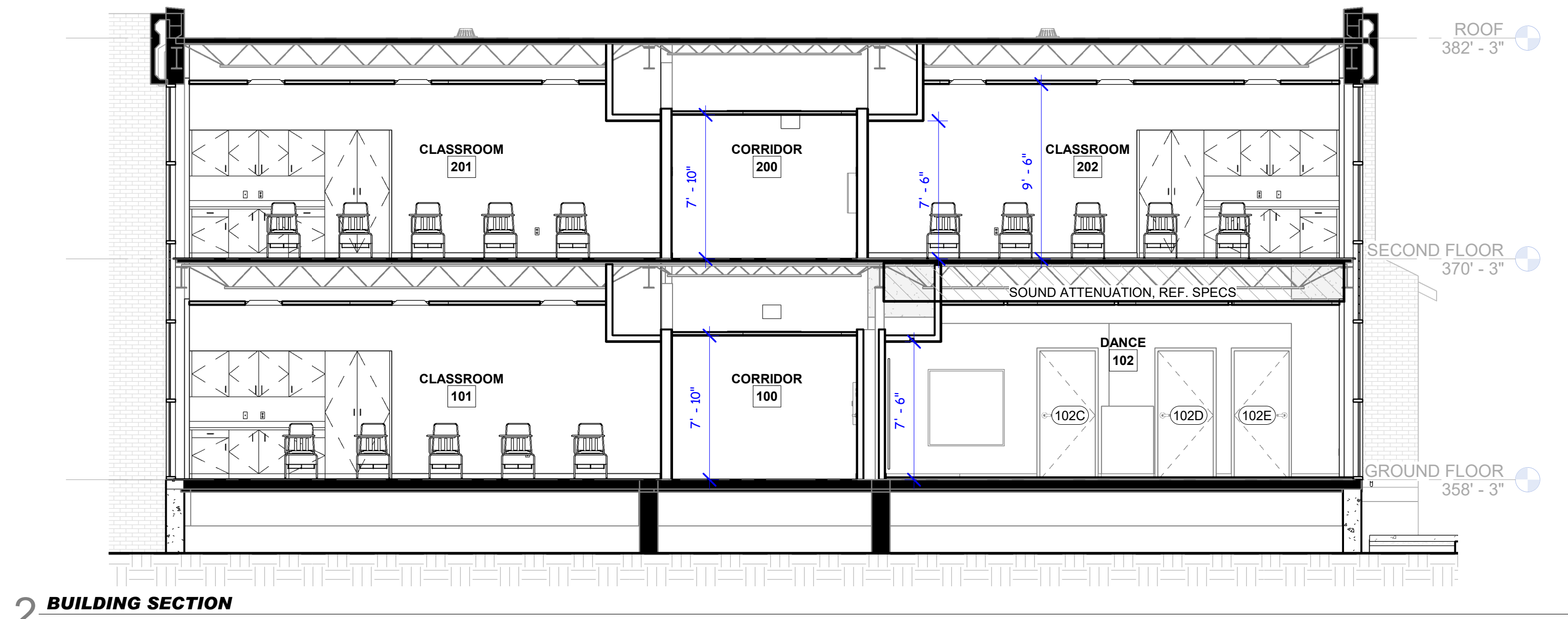
5 BUILDING SECTION
3/16" = 1'-0" REF. A200.1



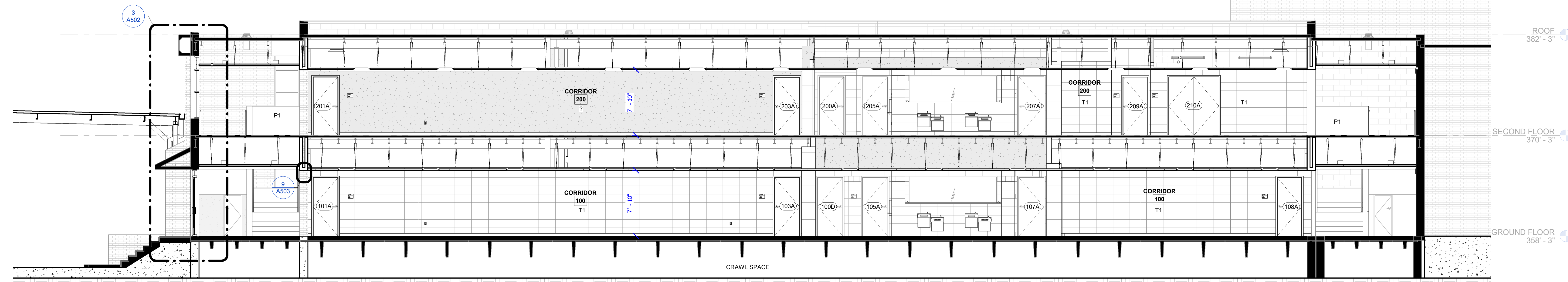
4 BUILDING SECTION
3/16" = 1'-0" REF. A200.1



3 BUILDING SECTION
3/16" = 1'-0" REF. A200.1



2 BUILDING SECTION
3/16" = 1'-0" REF. A200.1



1 BUILDING SECTION
3/16" = 1'-0" REF. A200.1

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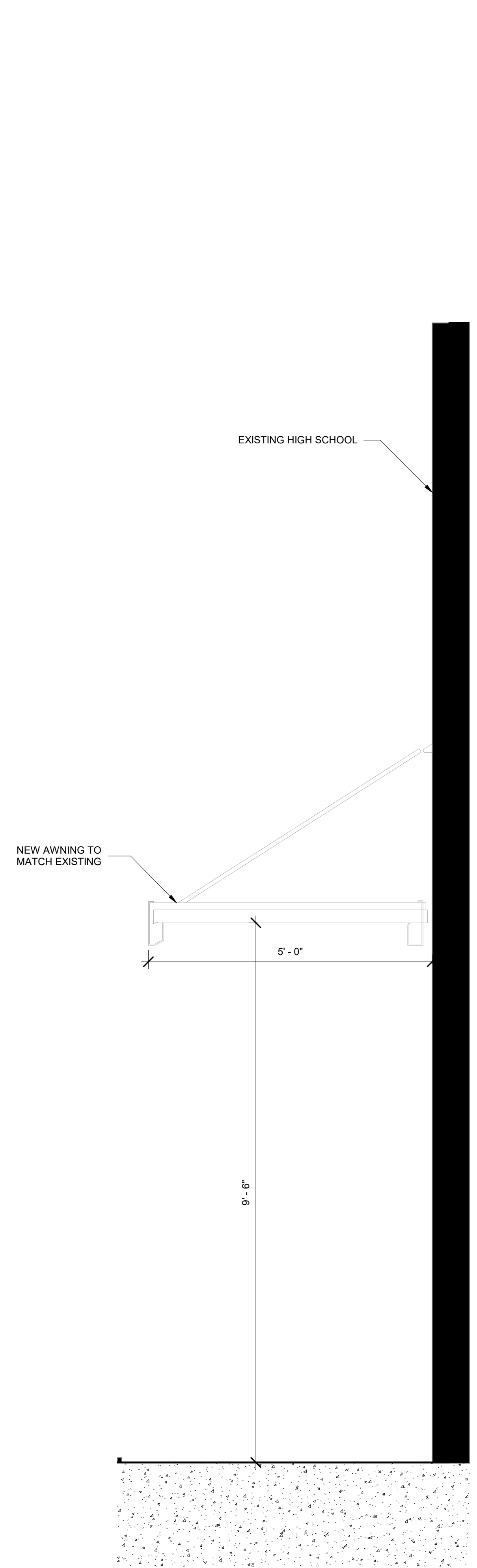
BRYAN ISD SFA ANNEX RENOVATIONS

800 S. COULTER DR. BRYAN, TX 77803

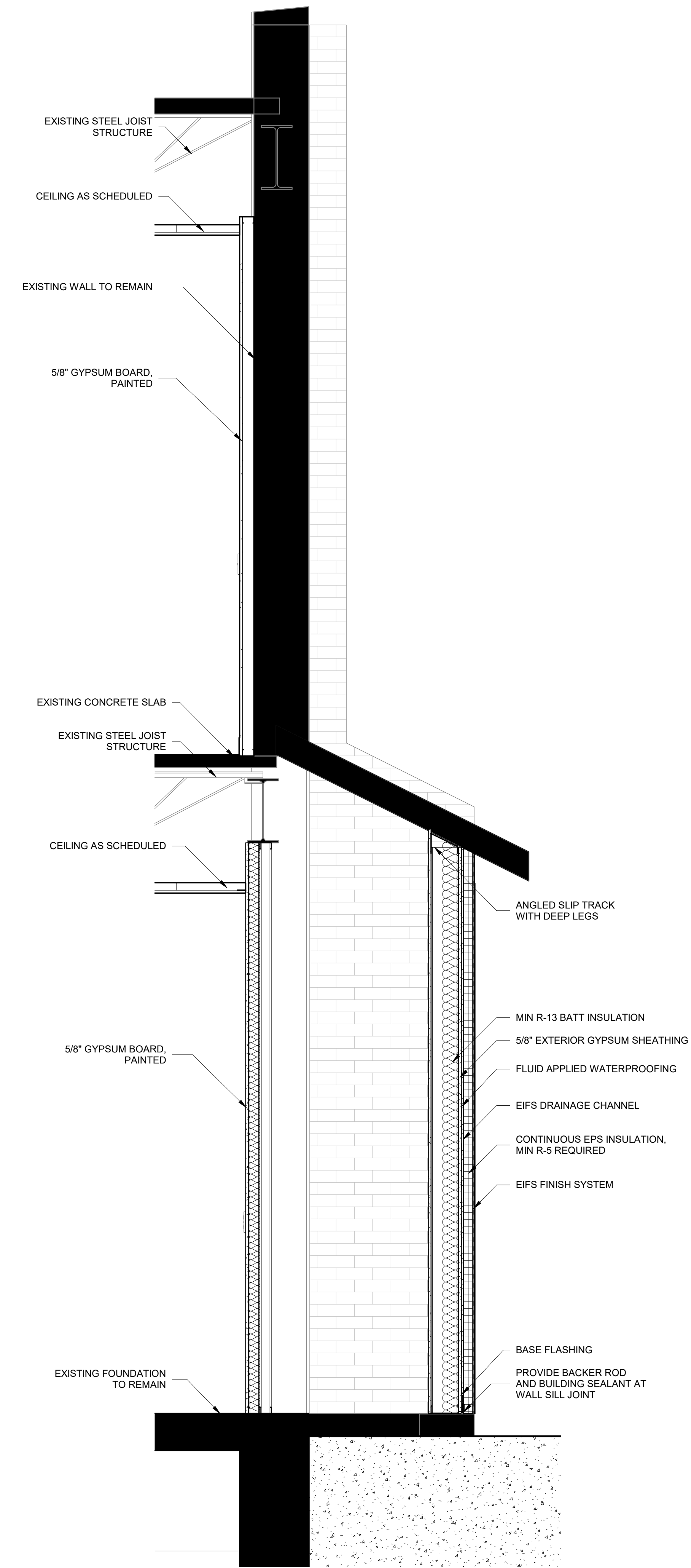
SECTION - WALL

Project Number:
201928
Sheet issue date:
2020.10.05

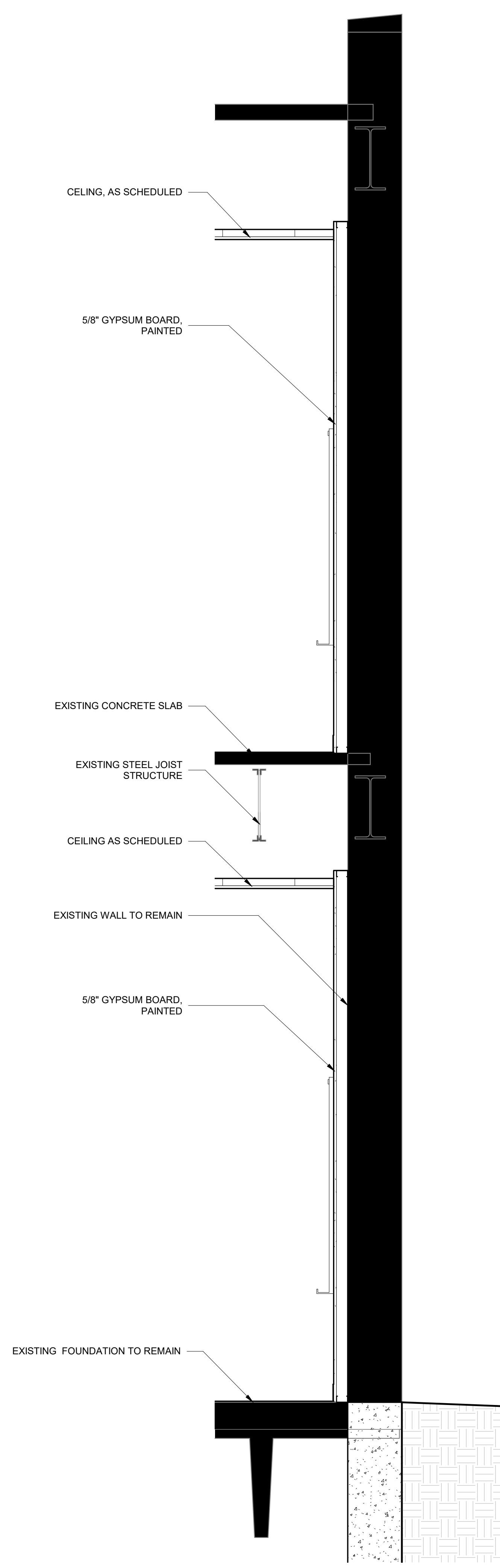
A501



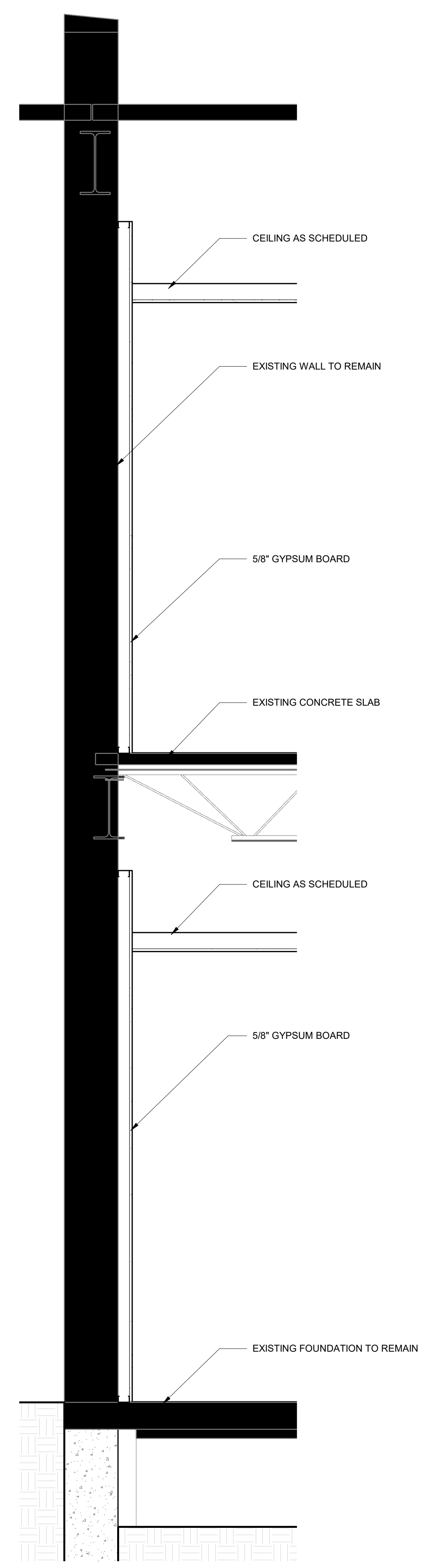
4 SECTION - WALL
3/4" = 1'-0" REF: A100/1



3 SECTION - WALL
3/4" = 1'-0" REF: A200/3



2 SECTION - WALL
3/4" = 1'-0" REF: A200/1



1 SECTION - WALL
3/4" = 1'-0" REF: A200/4

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REVISIONS	
NUMBER	DATE

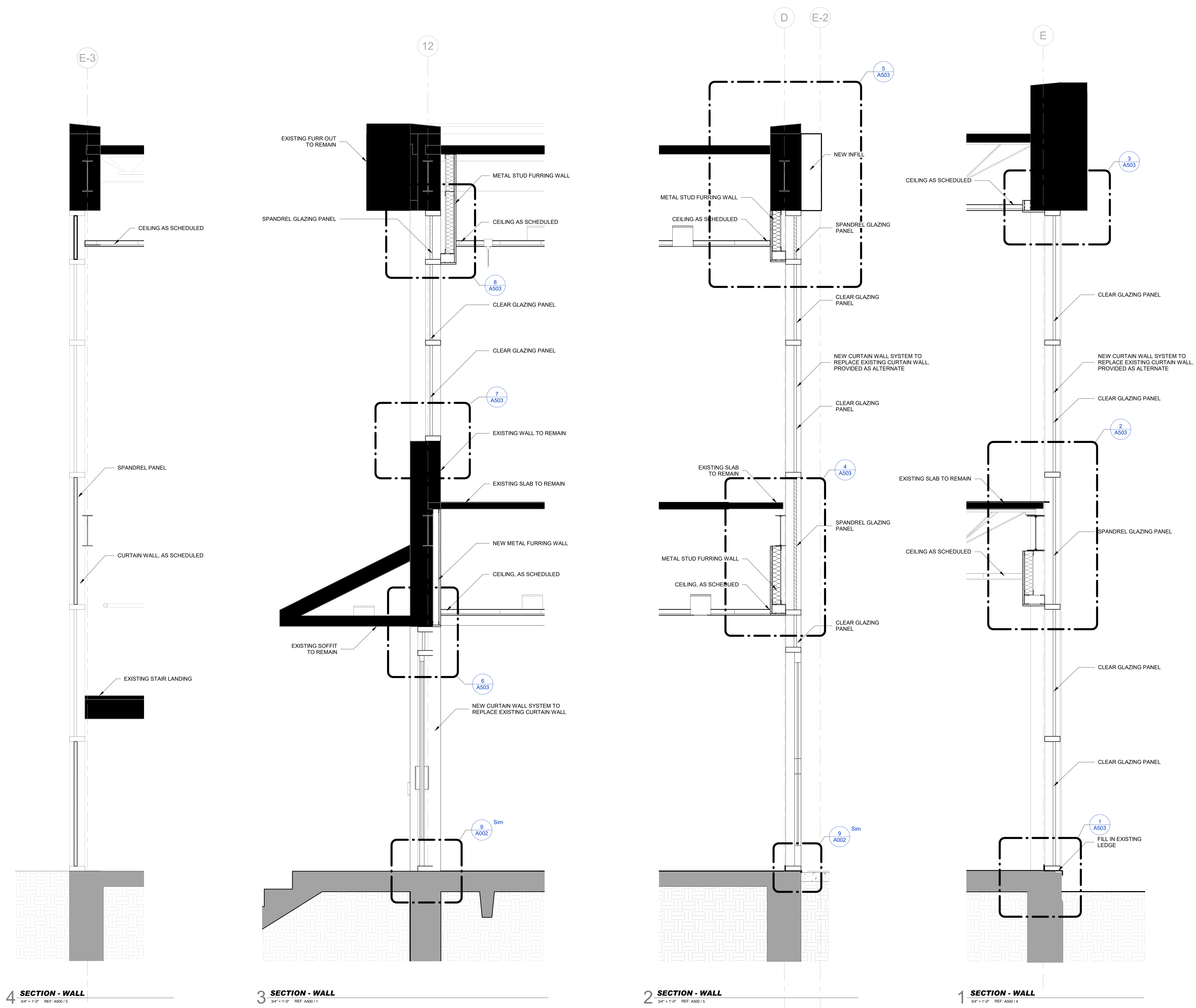
BRYAN ISD SFA ANNEX RENOVATIONS

800 S. COULTER DR. BRYAN, TX 77803

SECTION - WALL

Project Number:
201928
Sheet issue date:
2020.10.05

A502



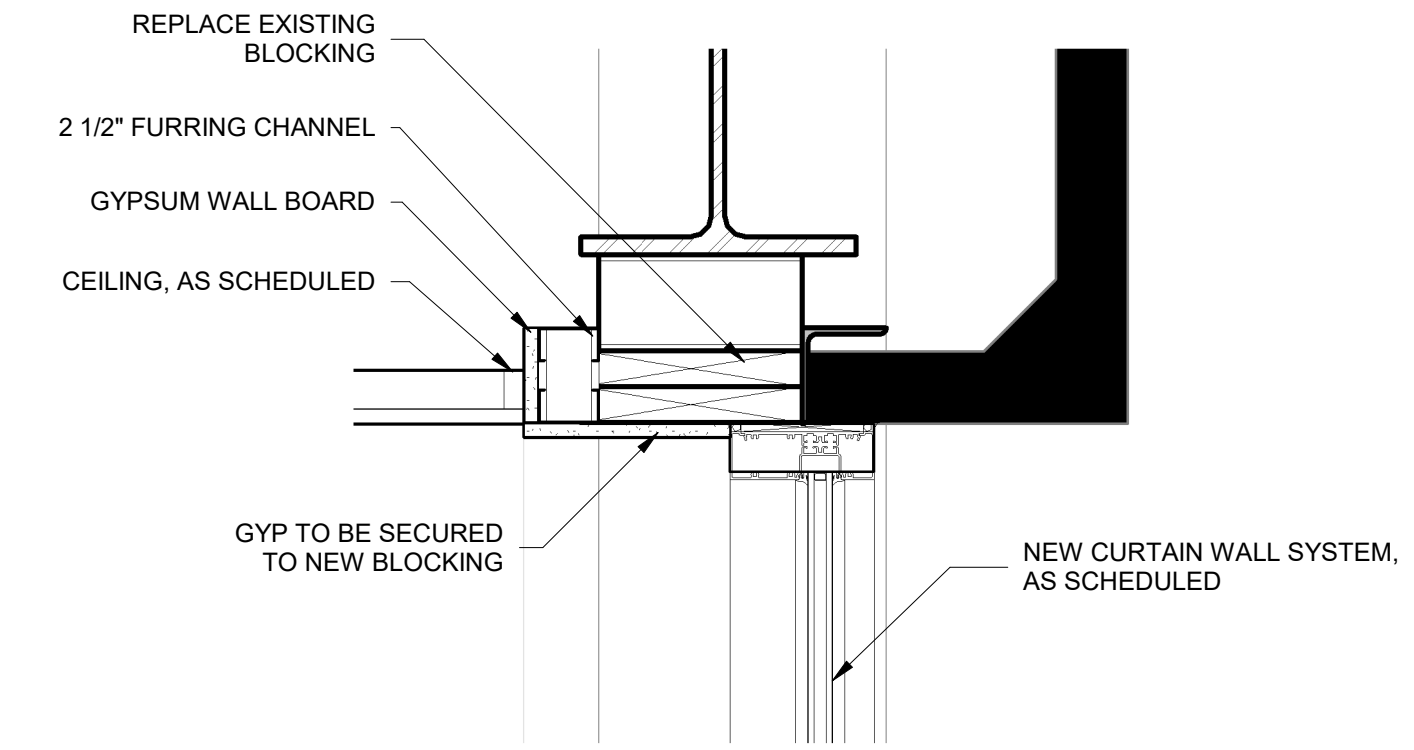
4 SECTION - WALL
3/4" = 1'-0" REF: A500/5

3 SECTION - WALL
3/4" = 1'-0" REF: A500/1

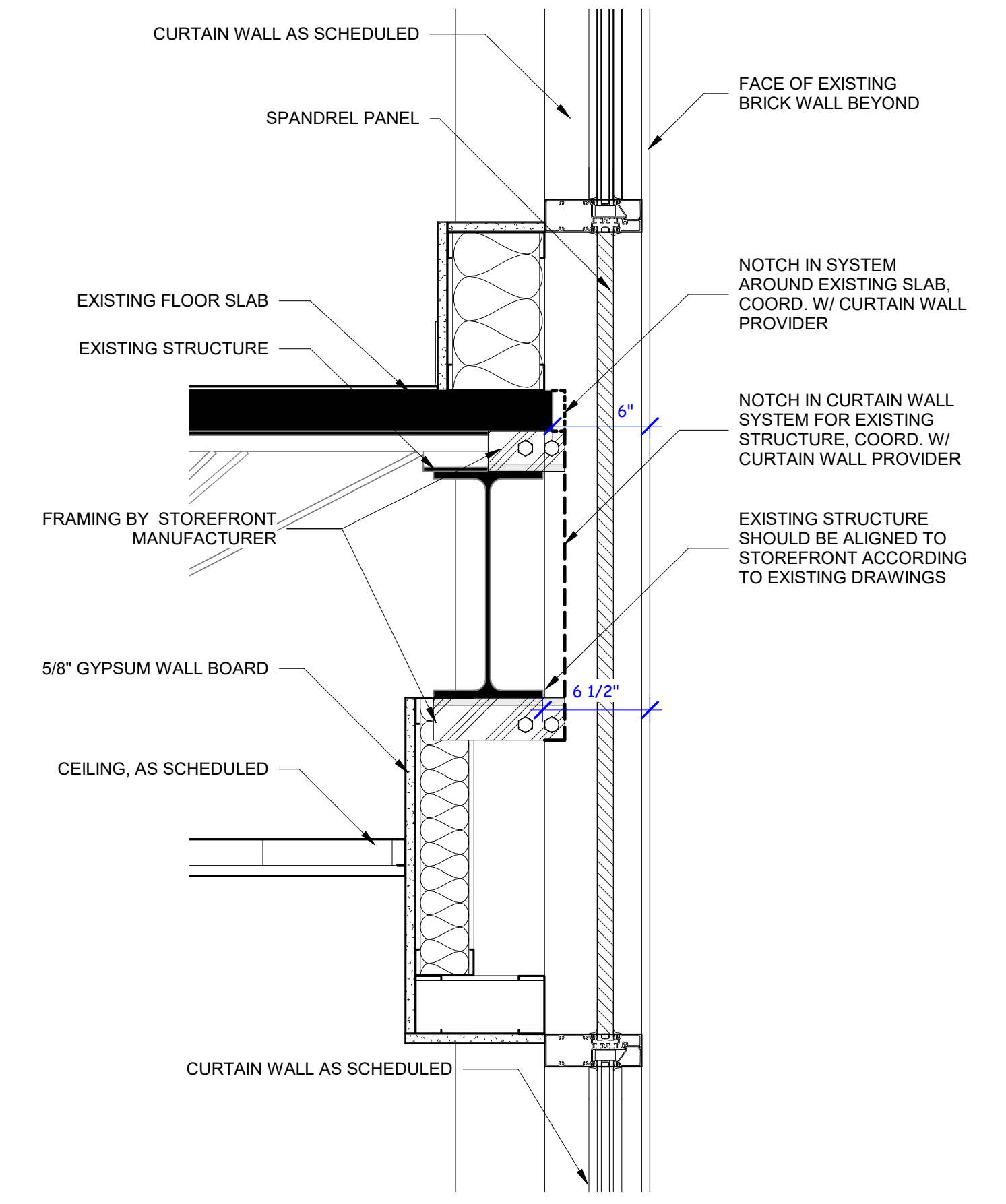
2 SECTION - WALL
3/4" = 1'-0" REF: A500/5

1 SECTION - WALL
3/4" = 1'-0" REF: A500/4

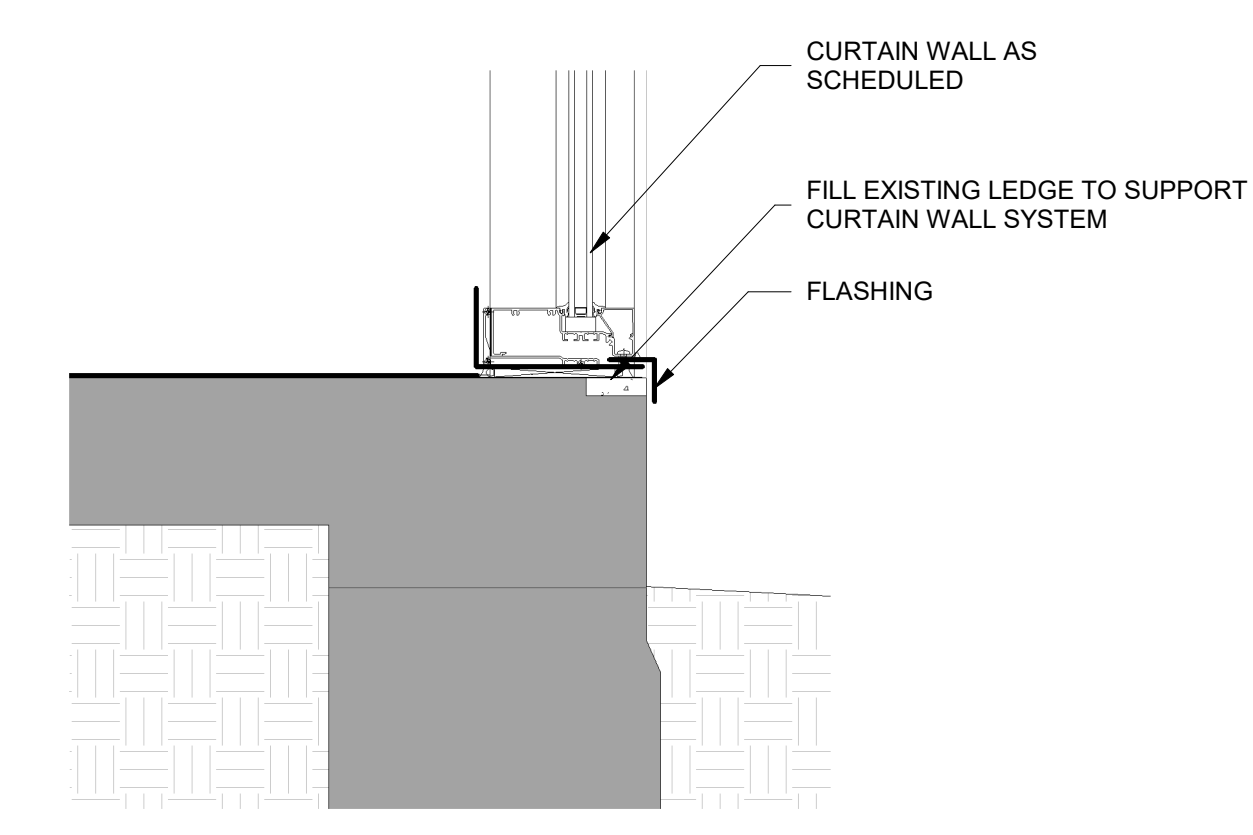
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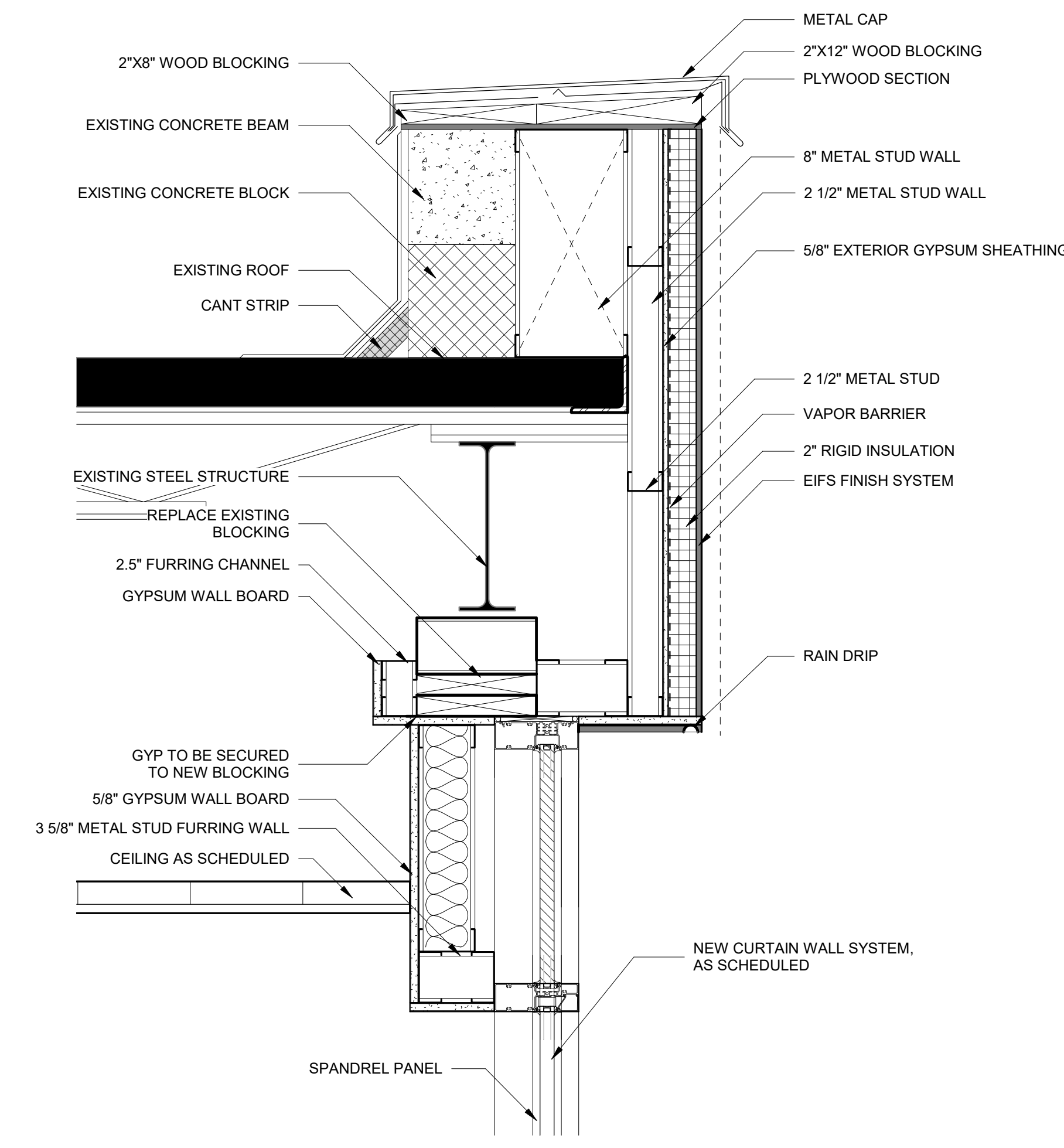
3 SECTION - DETAIL
1/12" = 1'-0" REF: A502/1



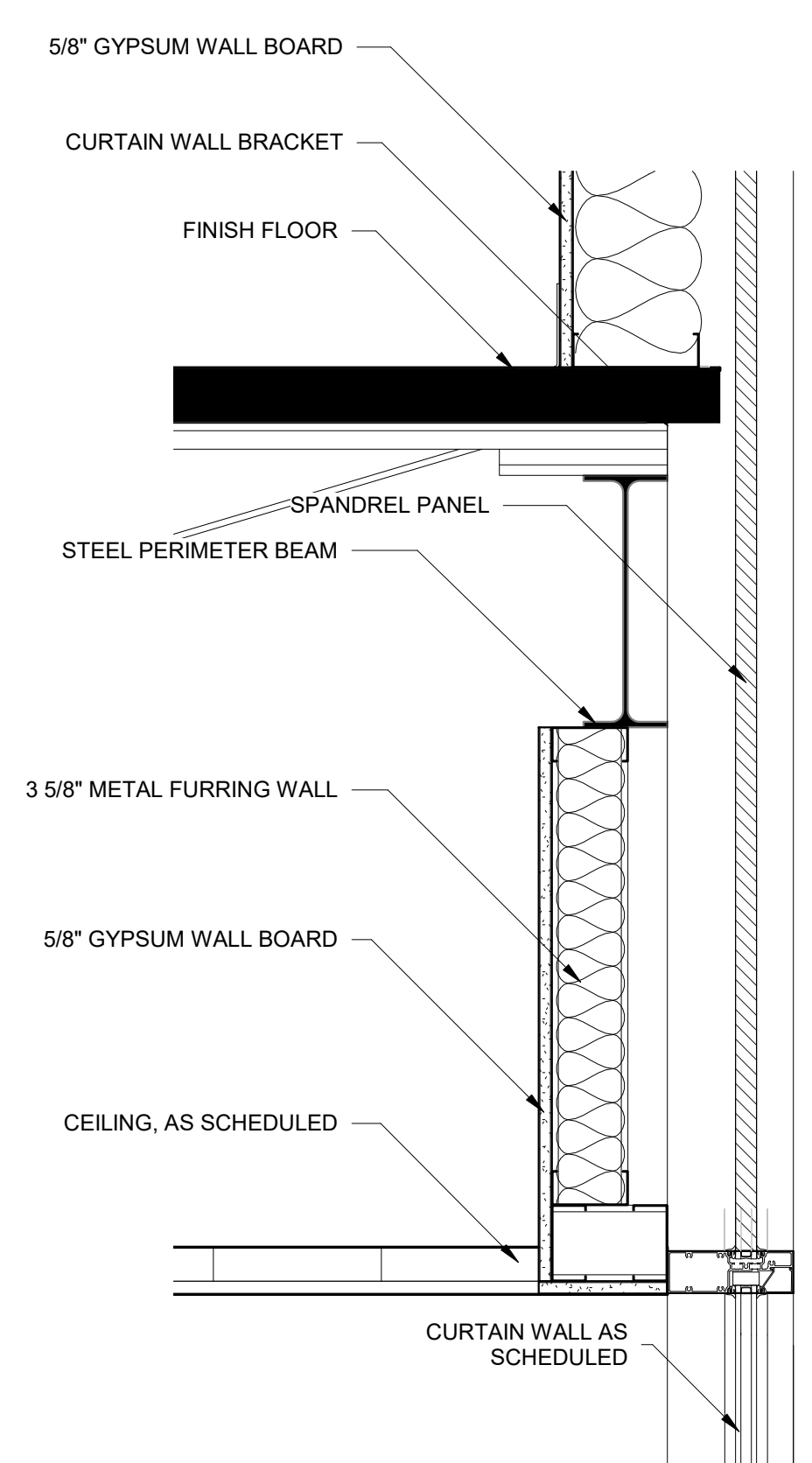
2 SECTION - DETAIL
1/12" = 1'-0" REF: A502/1



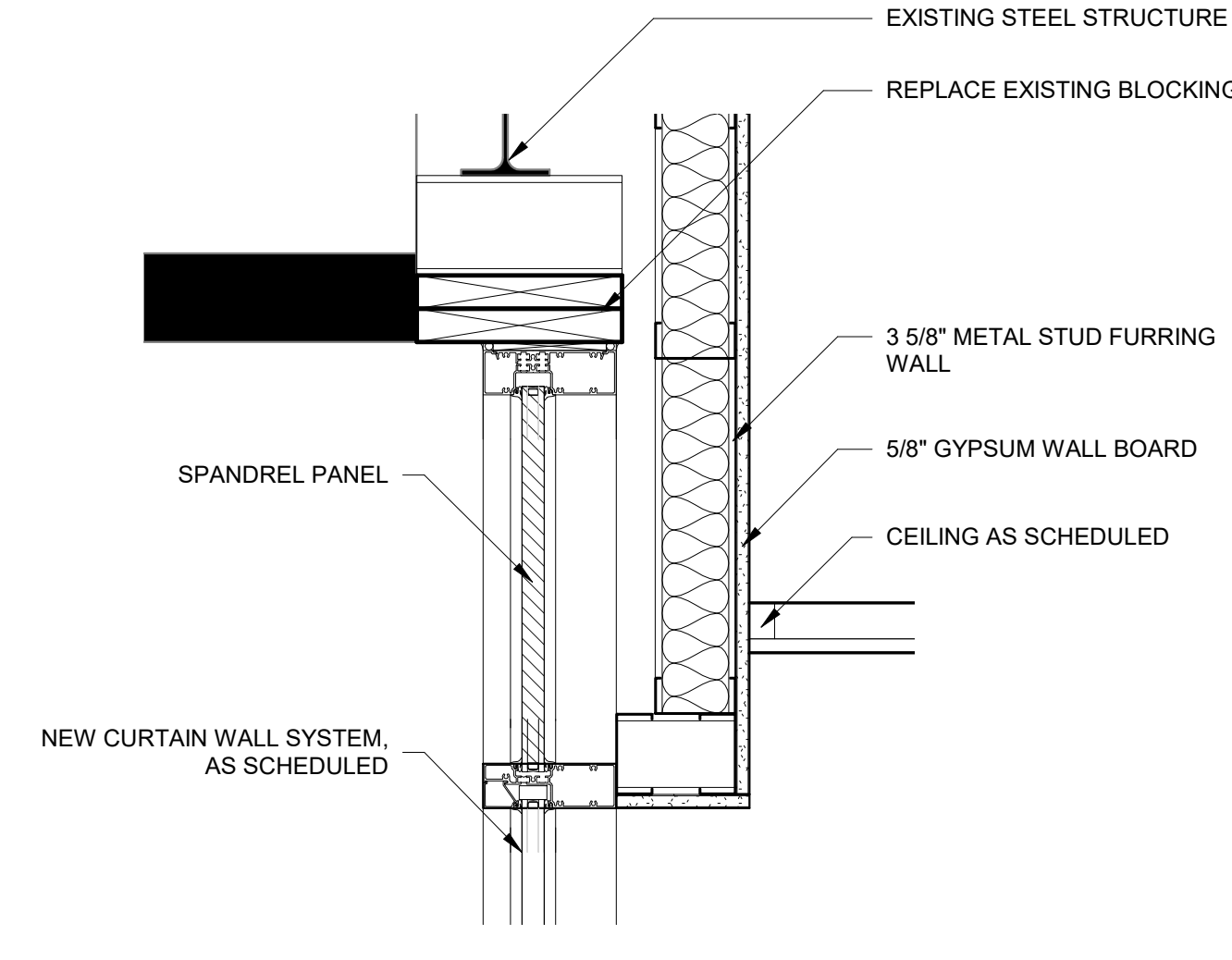
1 SECTION - DETAIL
1/12" = 1'-0" REF: A502/1



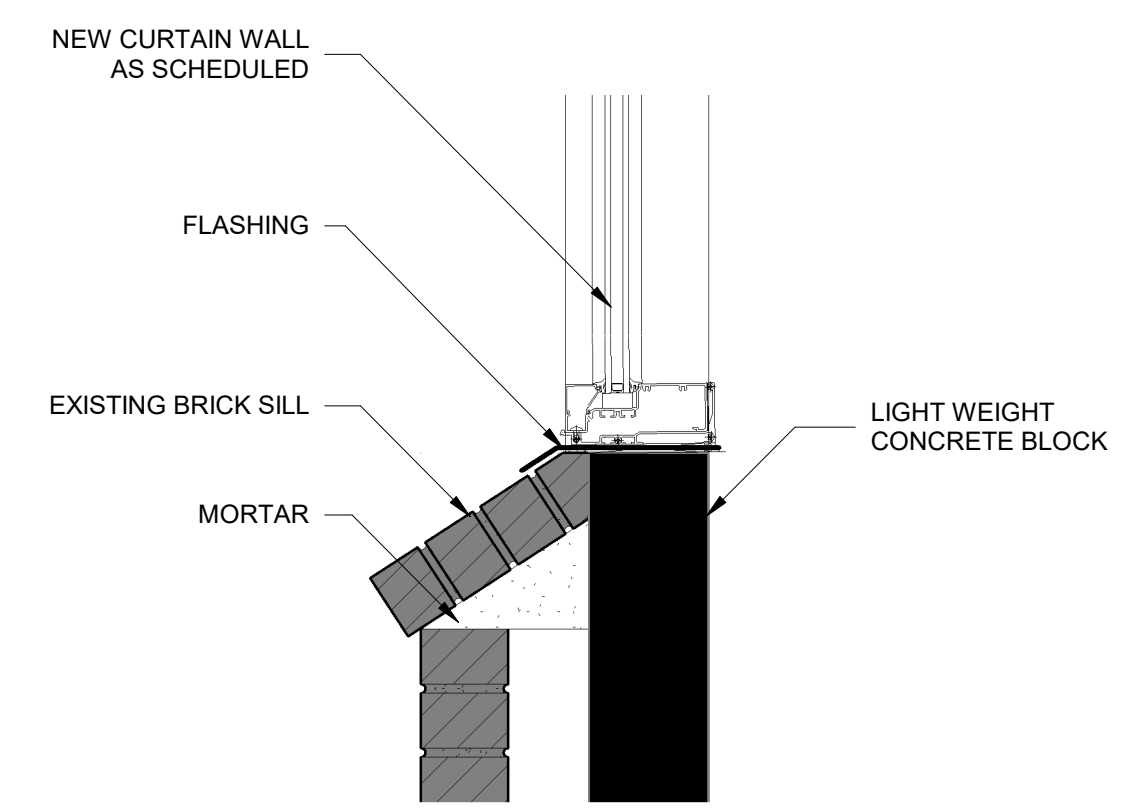
5 SECTION - DETAIL
1/12" = 1'-0" REF: A502/2



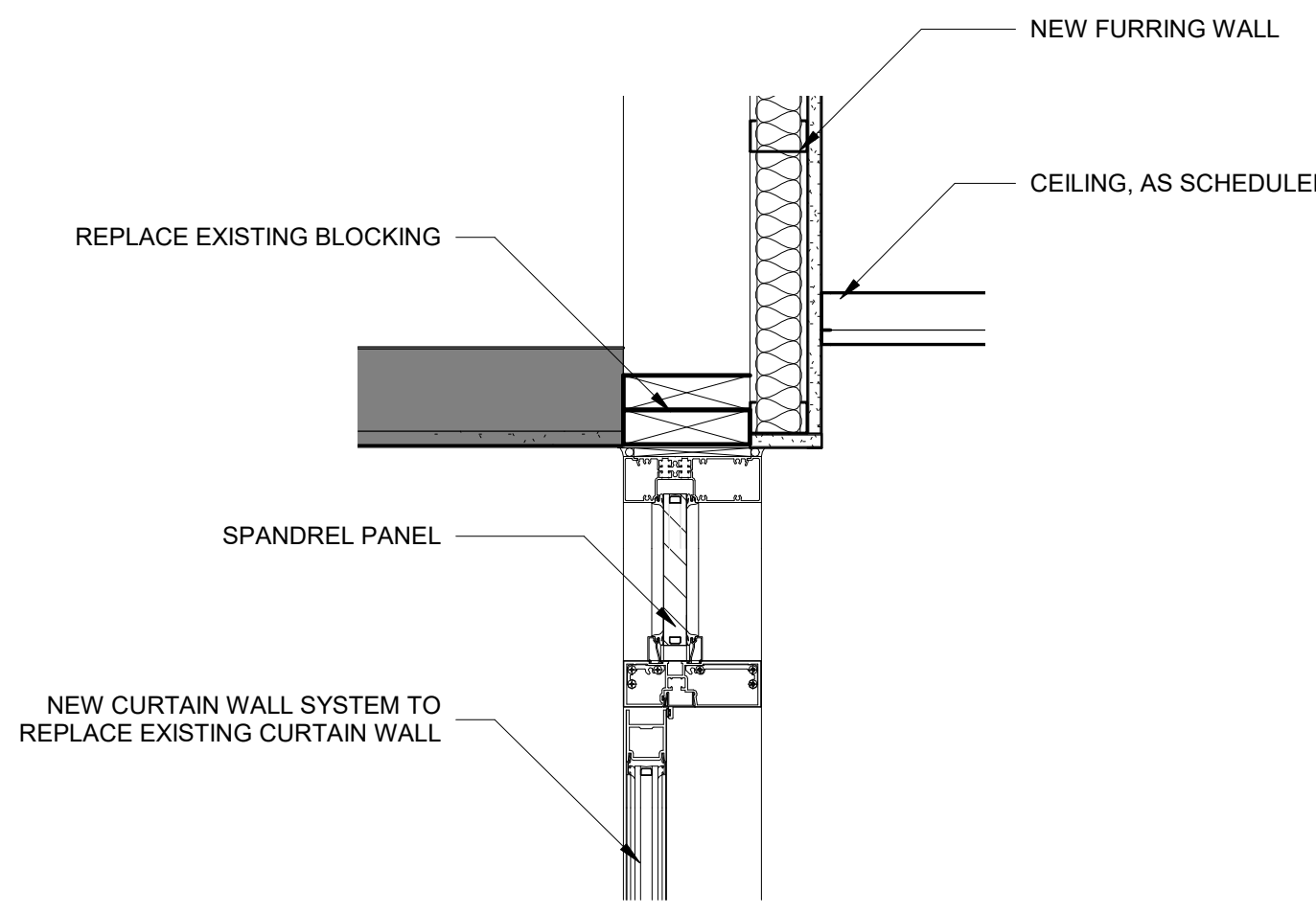
4 SECTION - DETAIL
1/12" = 1'-0" REF: A502/2



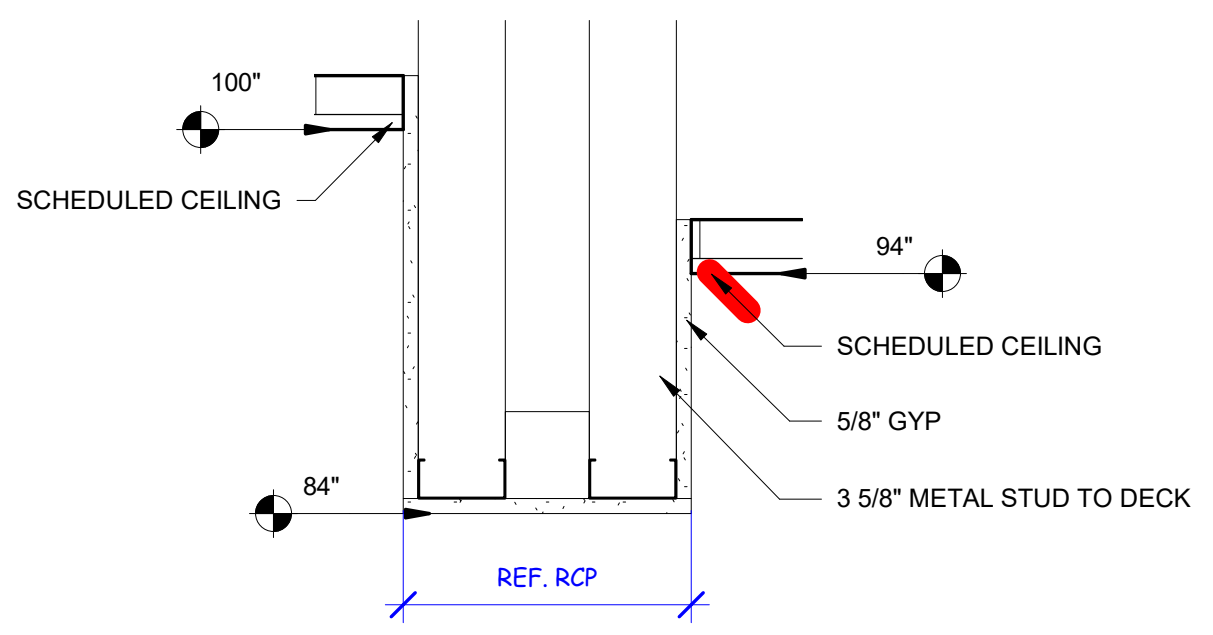
8 SECTION - DETAIL
1/12" = 1'-0" REF: A502/3



7 SECTION - DETAIL
1/12" = 1'-0" REF: A502/3

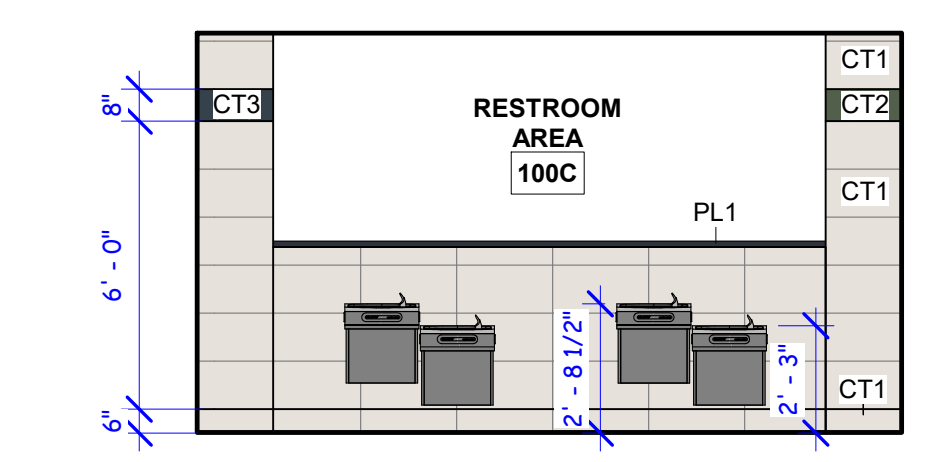


6 SECTION - DETAIL
1/12" = 1'-0" REF: A502/3

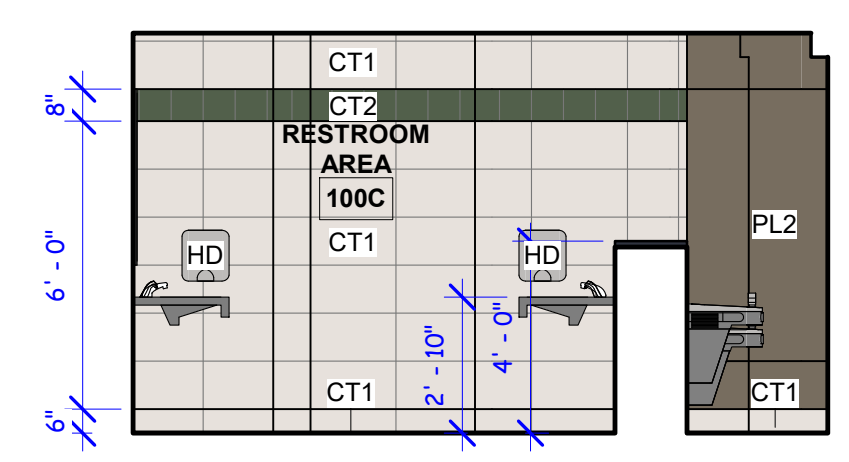


9 SECTION - DETAIL
1/12" = 1'-0" REF: A502/1

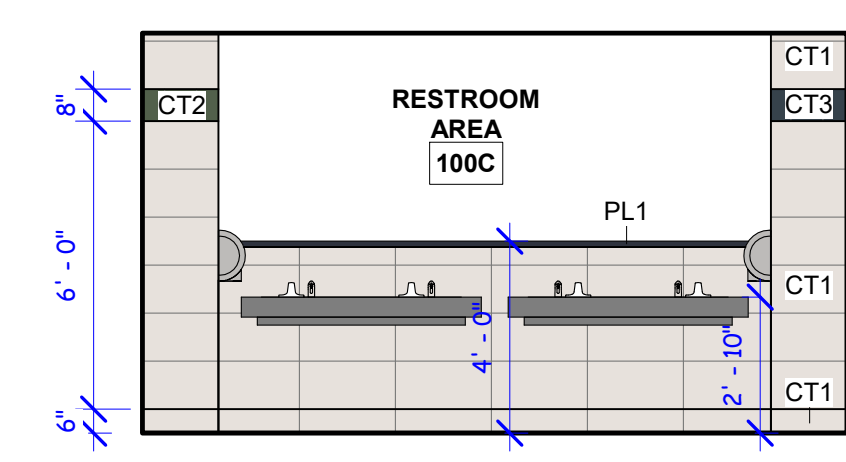
REVISIONS	
NUMBER	DATE



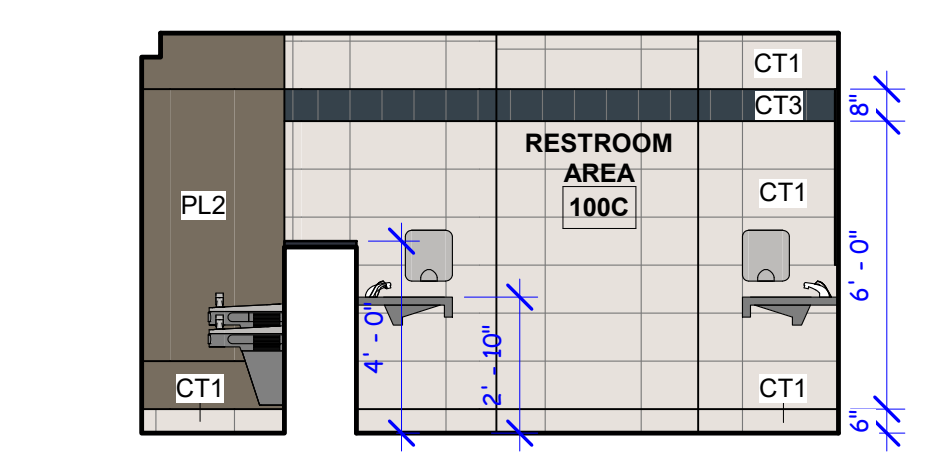
39 DRINKING FOUNTAINS
1/4" = 1/8" REF. A201.1



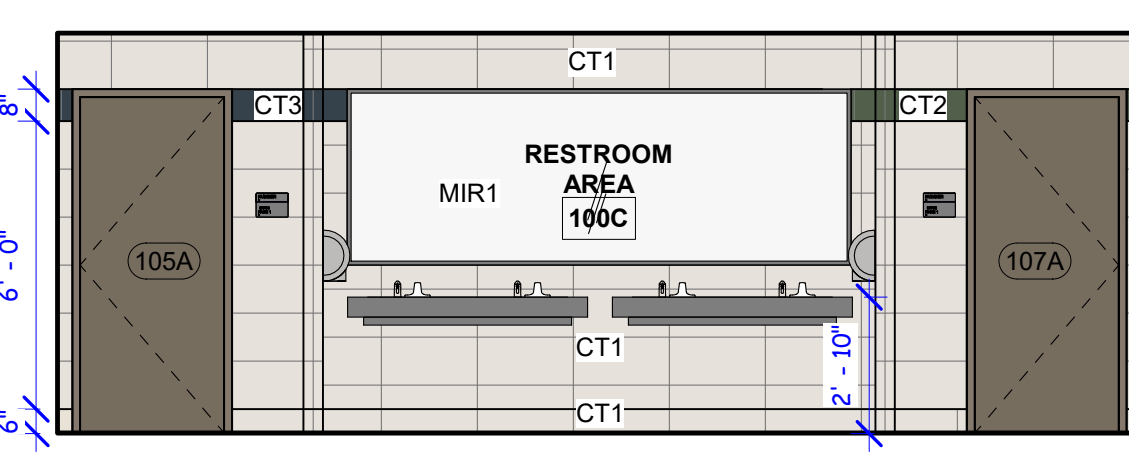
38 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



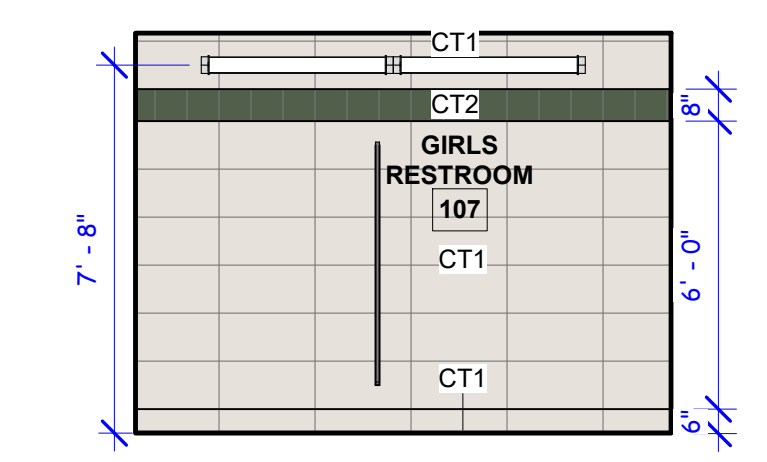
37 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



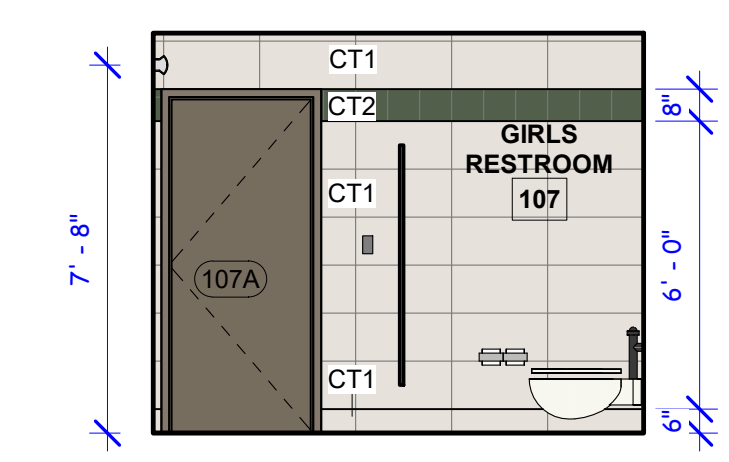
36 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



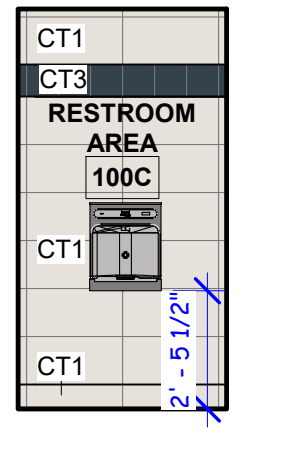
35 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



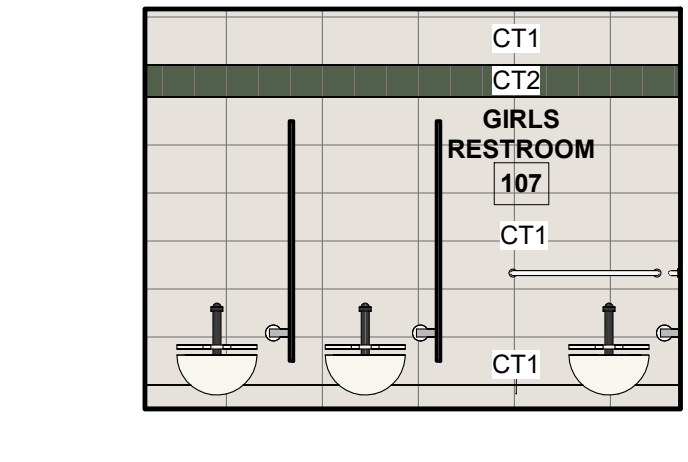
34 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



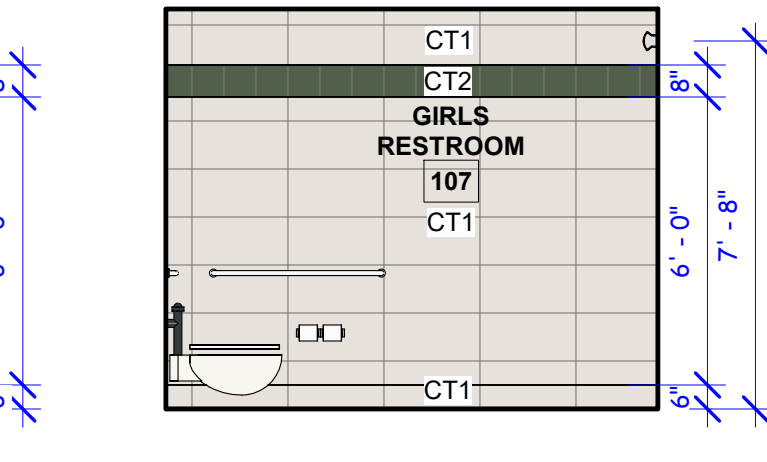
33 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



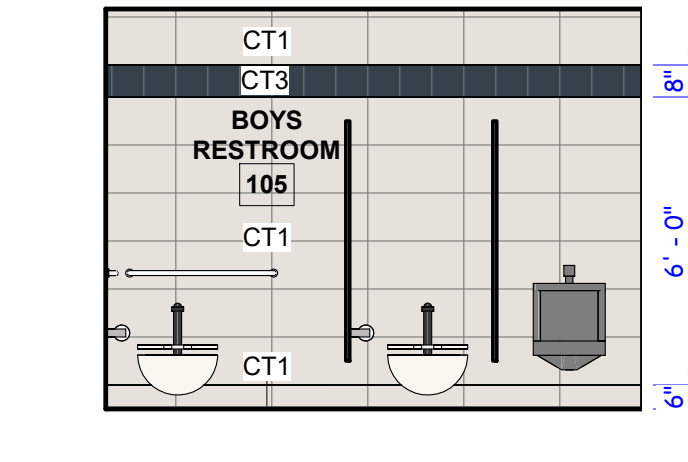
32 BOTTLE FILLER
1/4" = 1/8" REF. A201.1



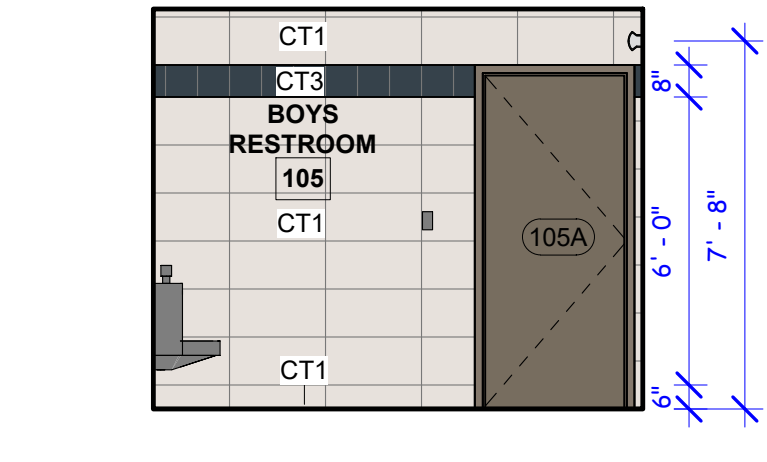
31 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



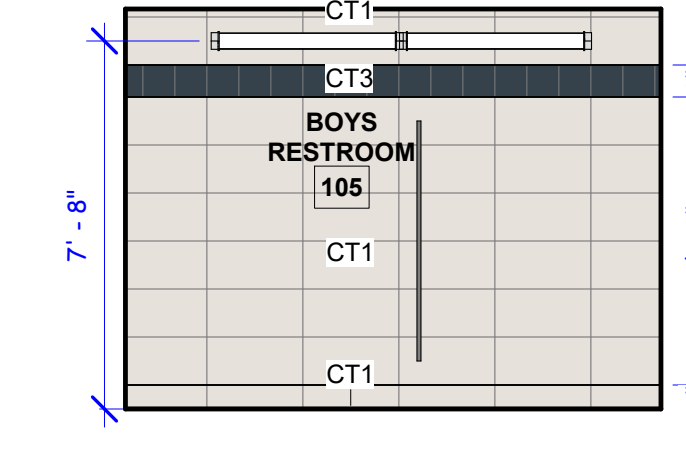
30 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



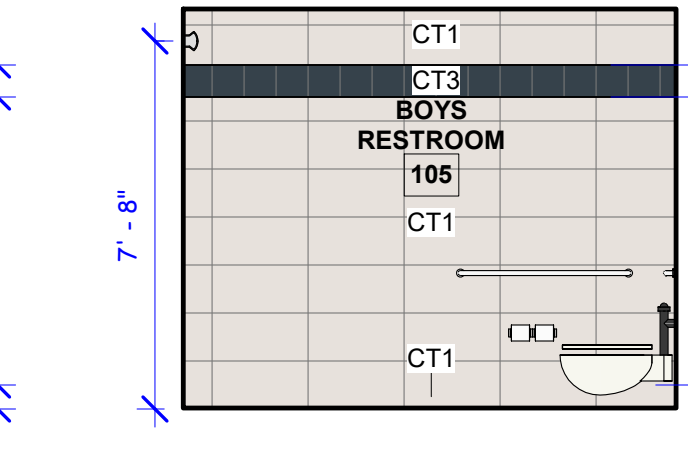
29 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



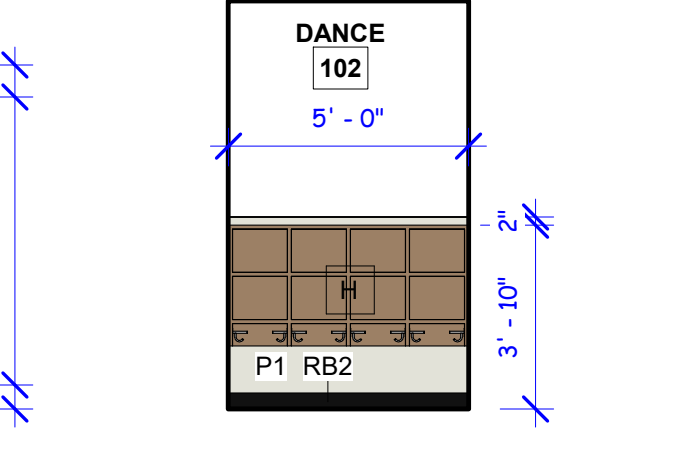
28 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



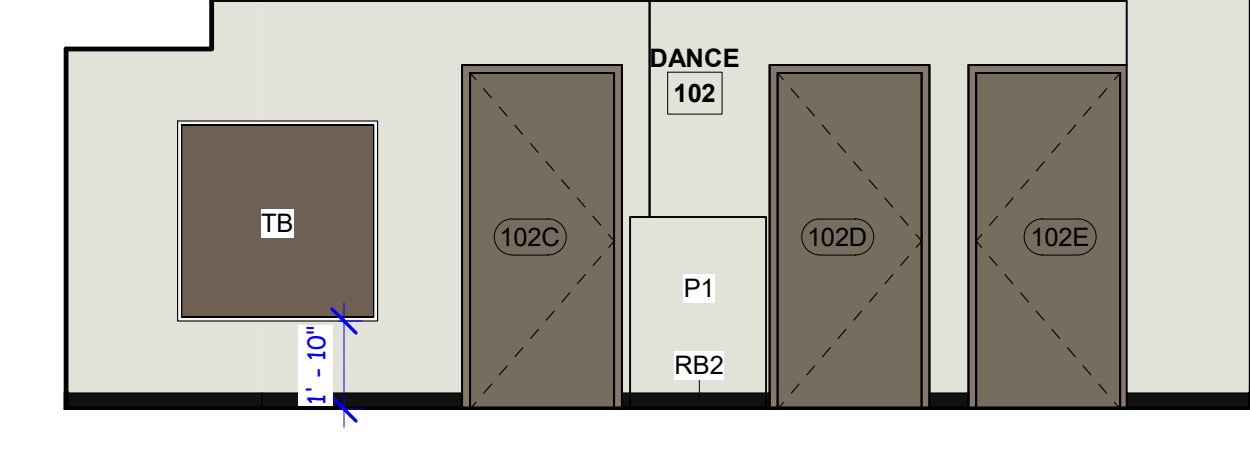
27 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



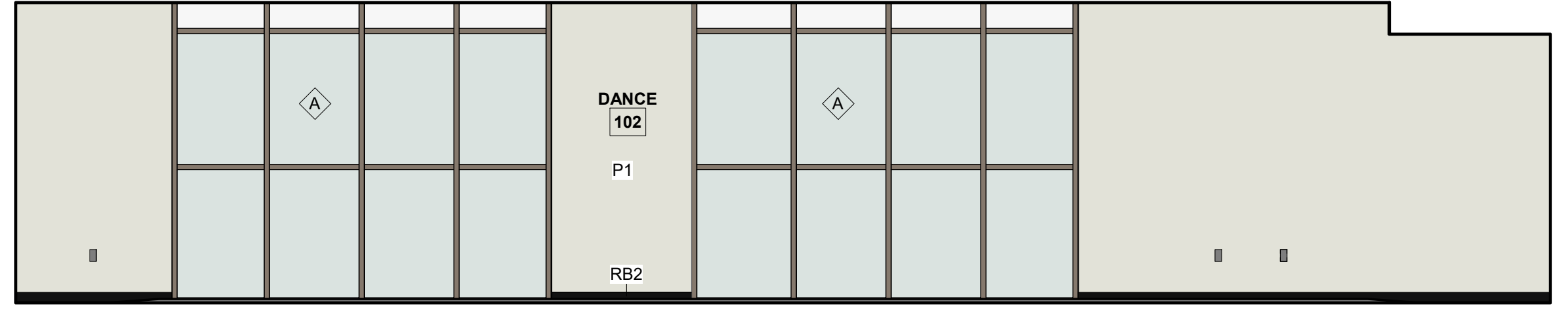
26 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



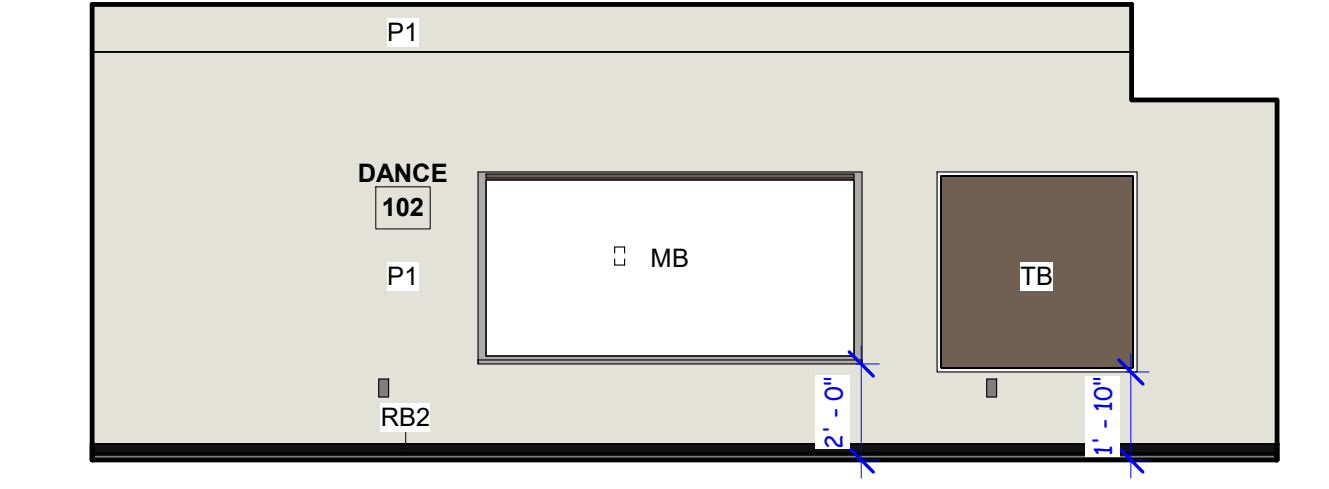
25 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



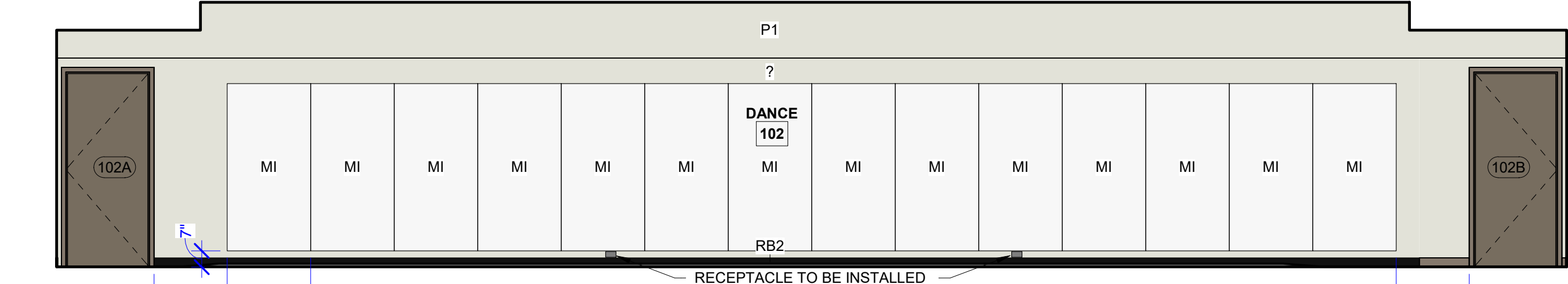
24 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



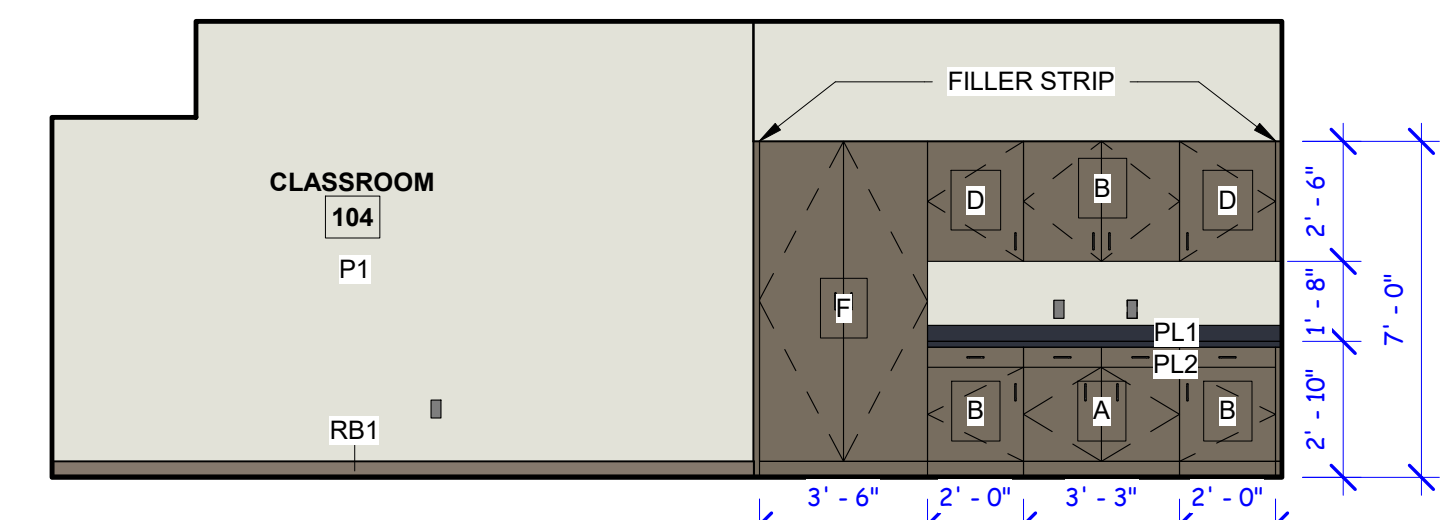
23 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



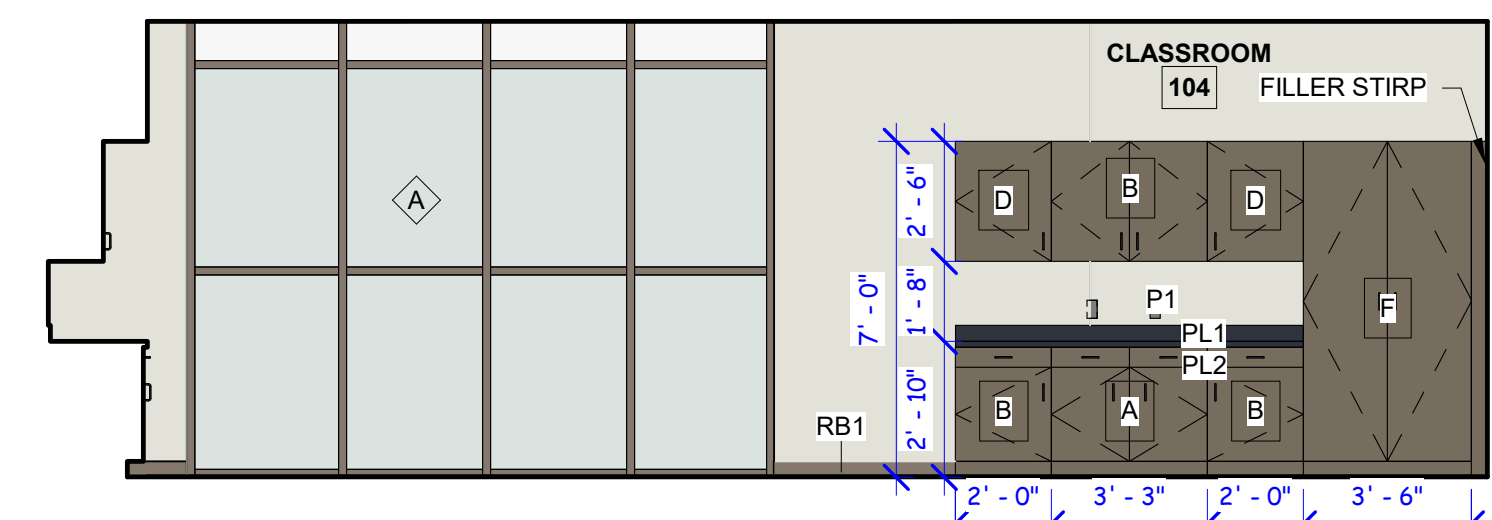
22 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



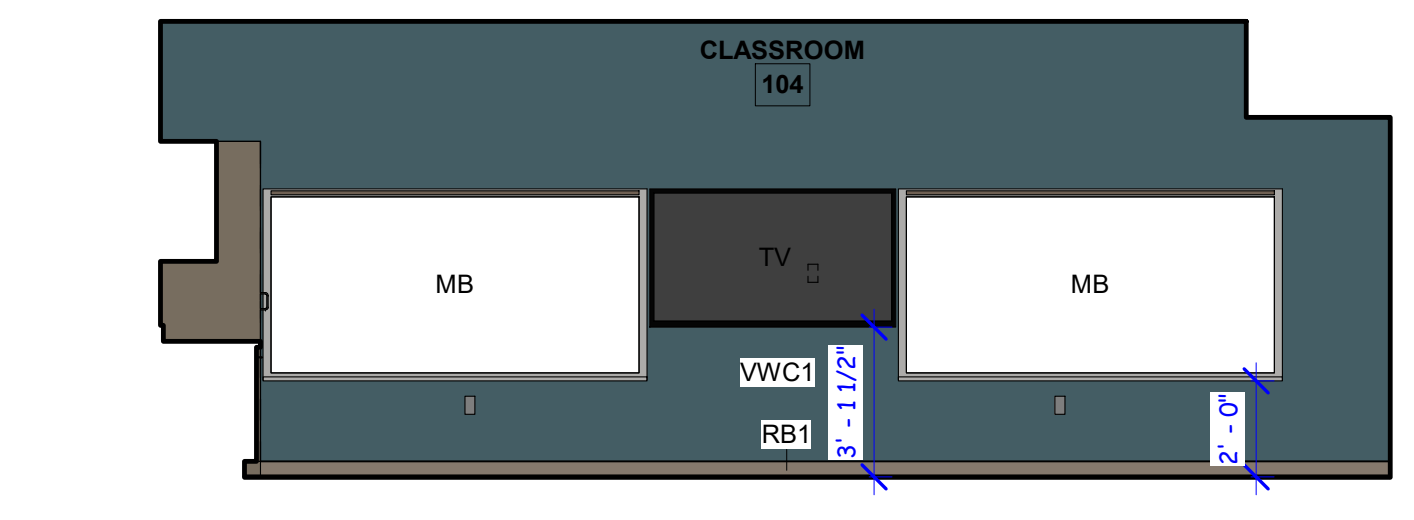
21 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



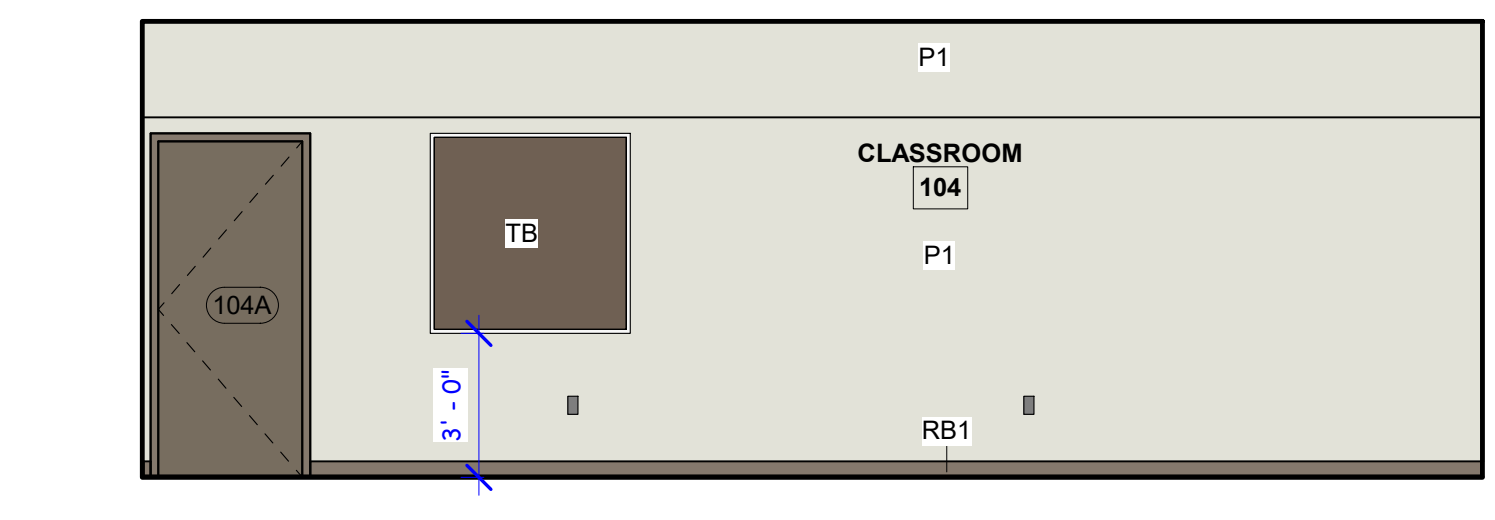
20 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



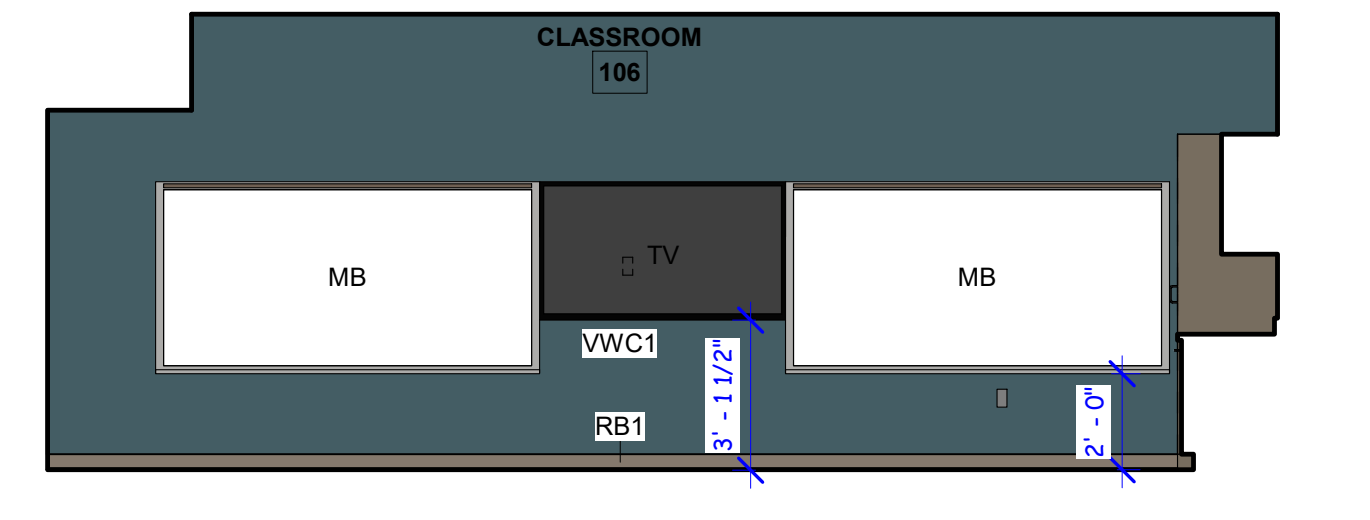
19 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



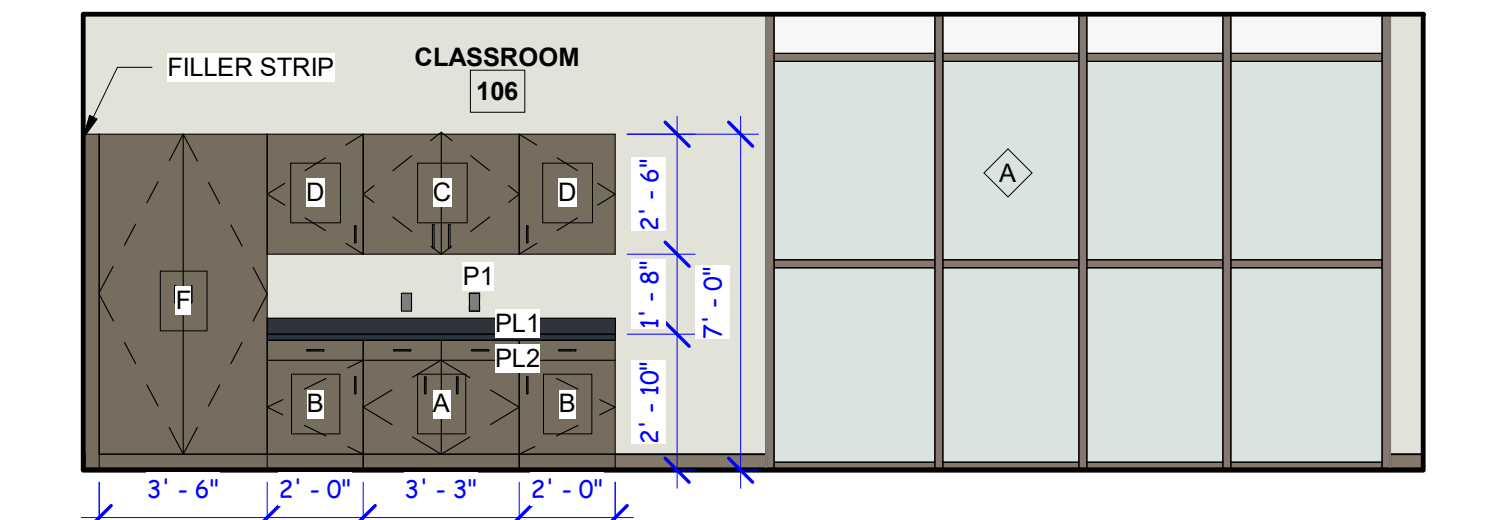
18 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



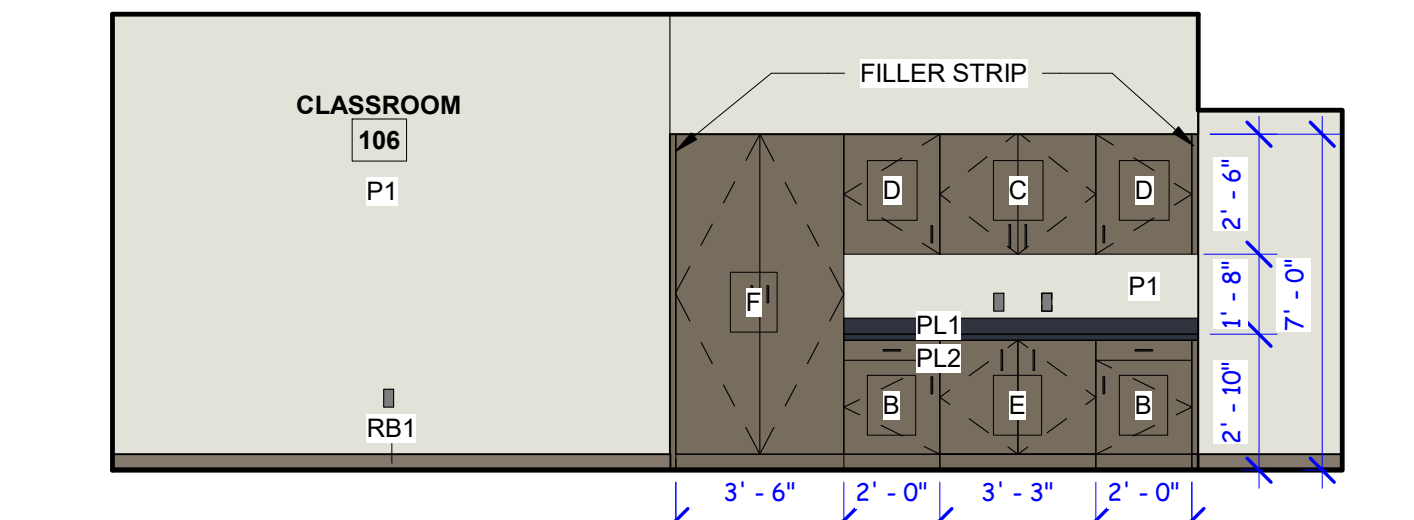
17 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



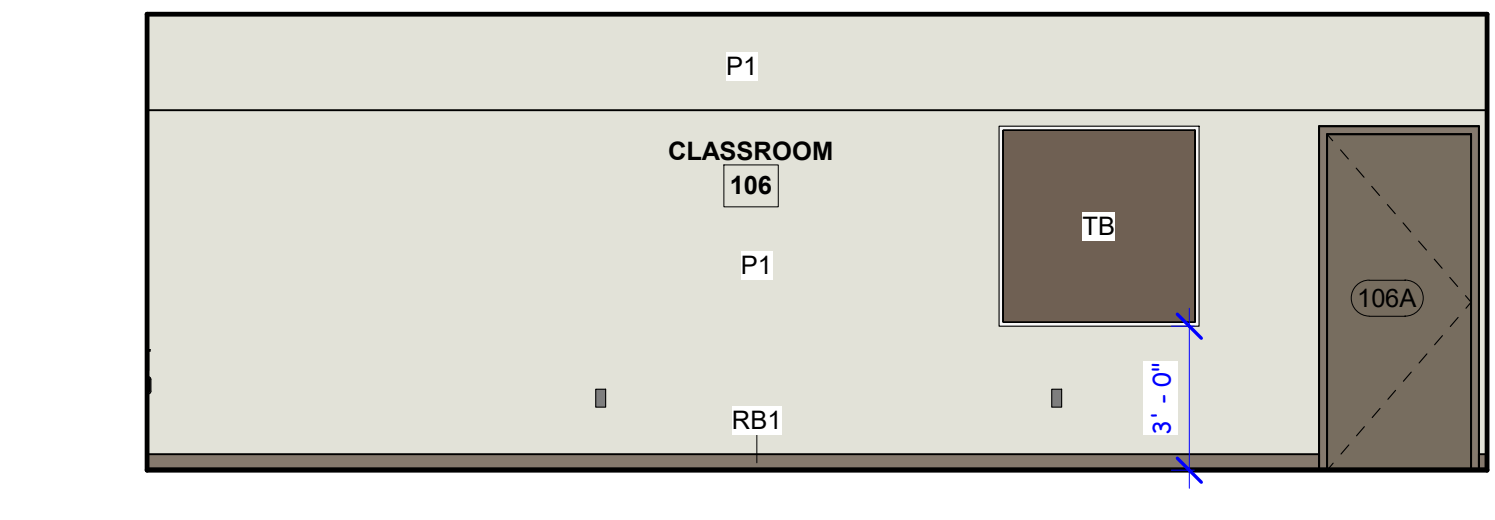
16 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



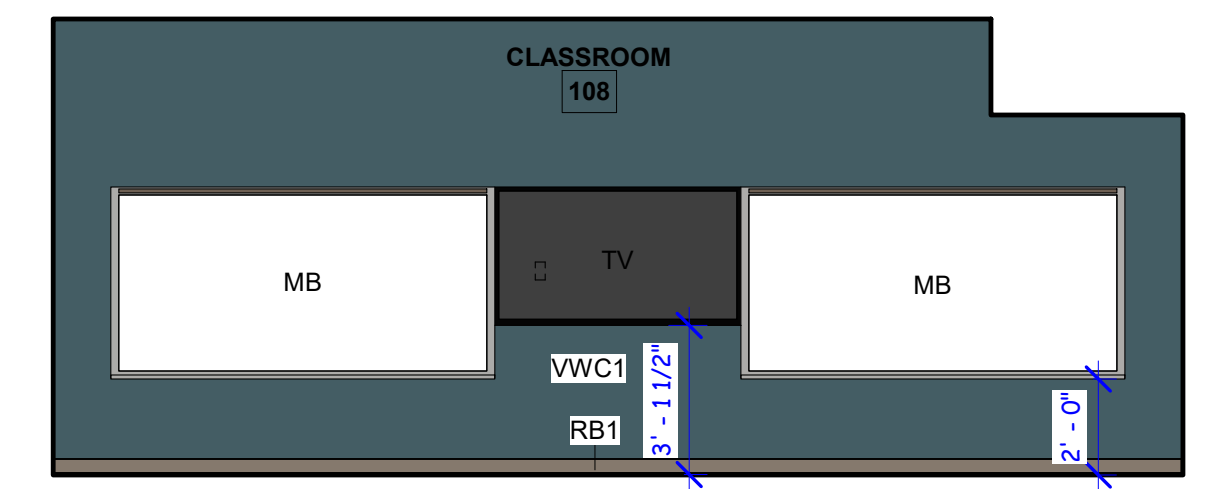
15 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



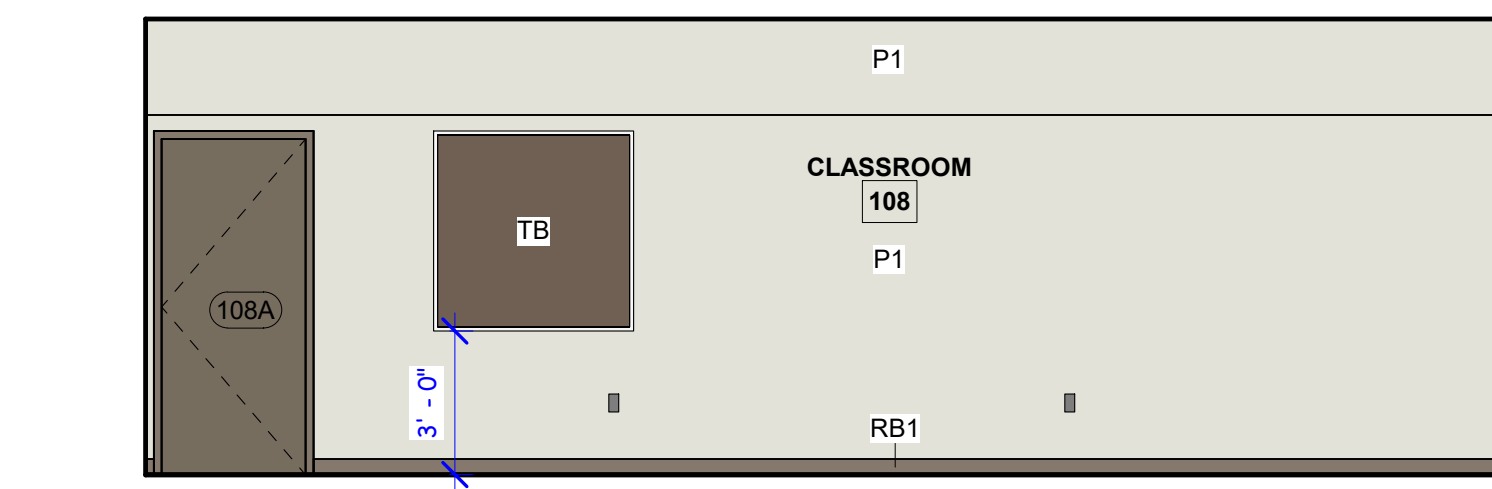
14 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



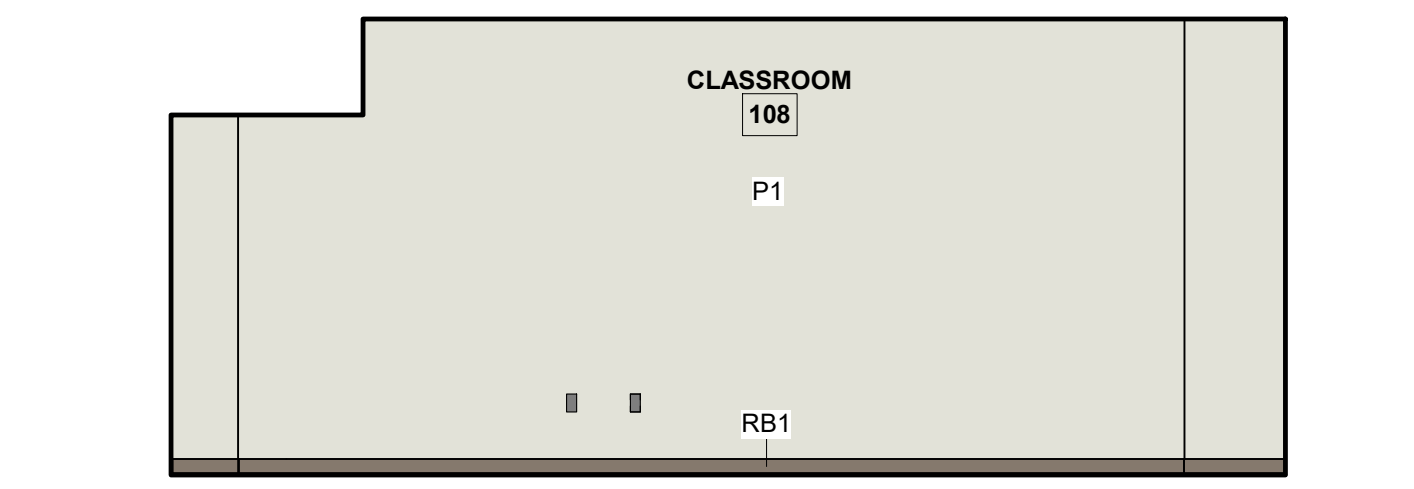
13 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



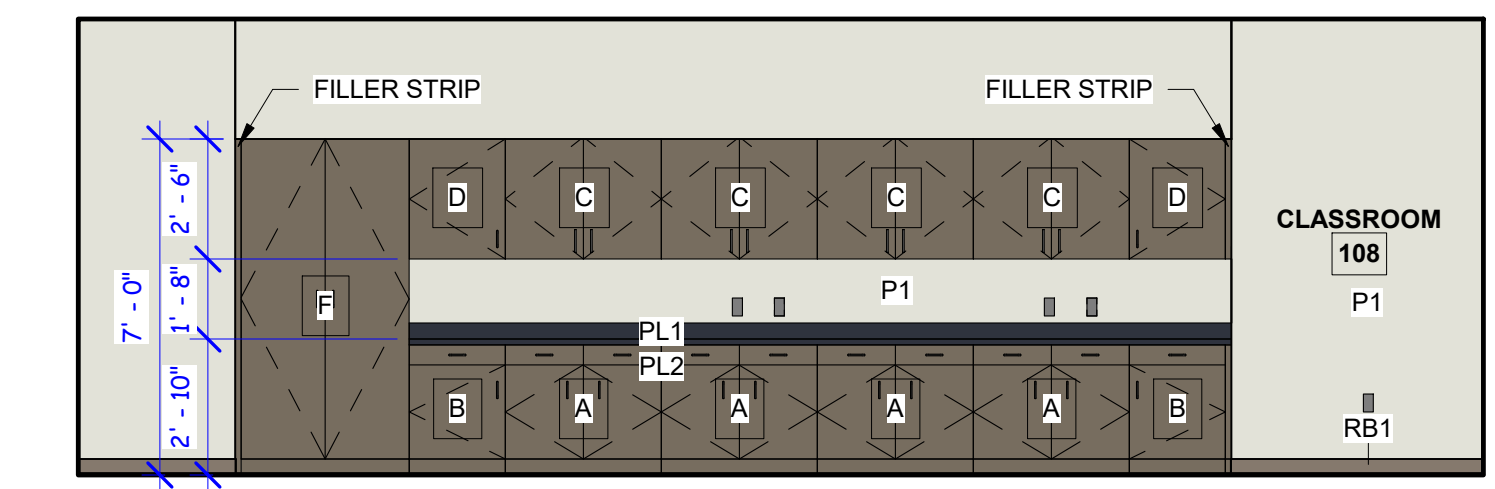
12 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



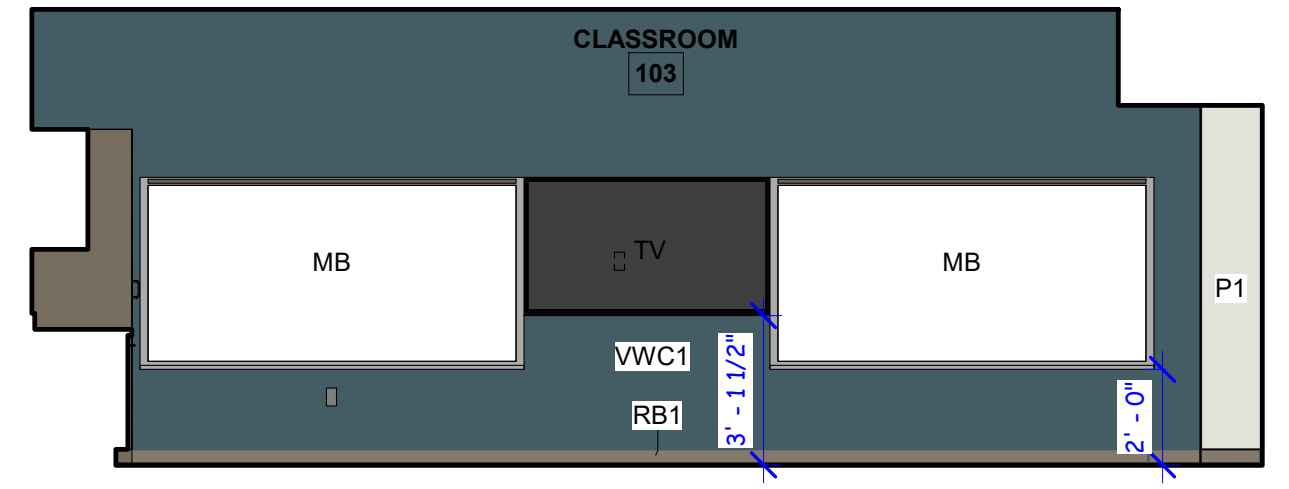
11 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



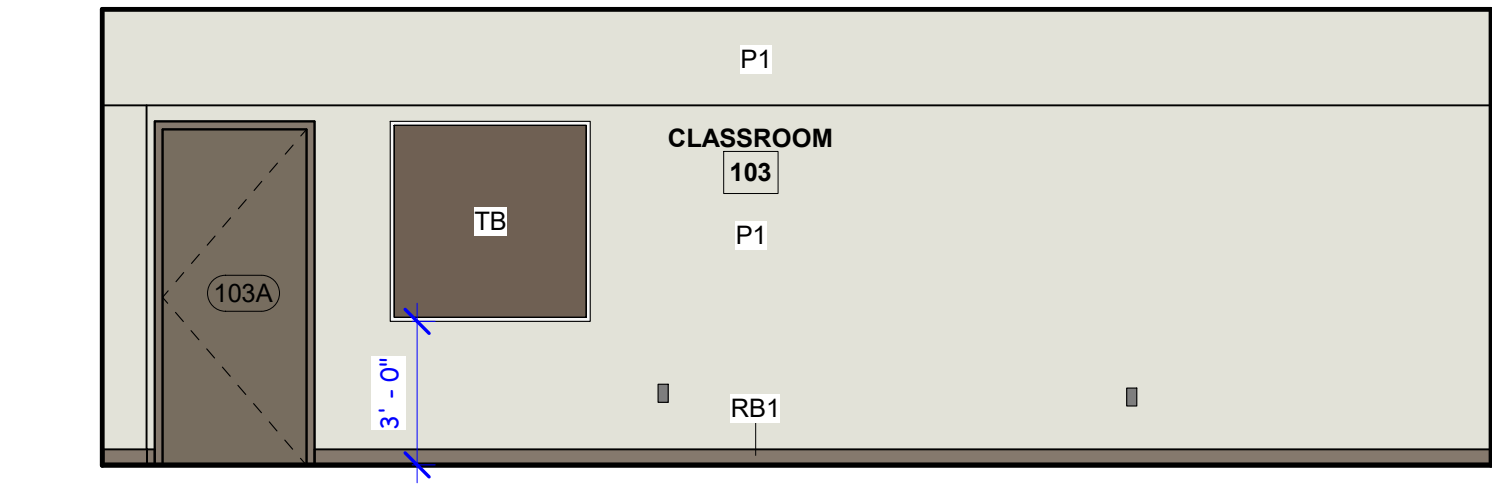
10 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



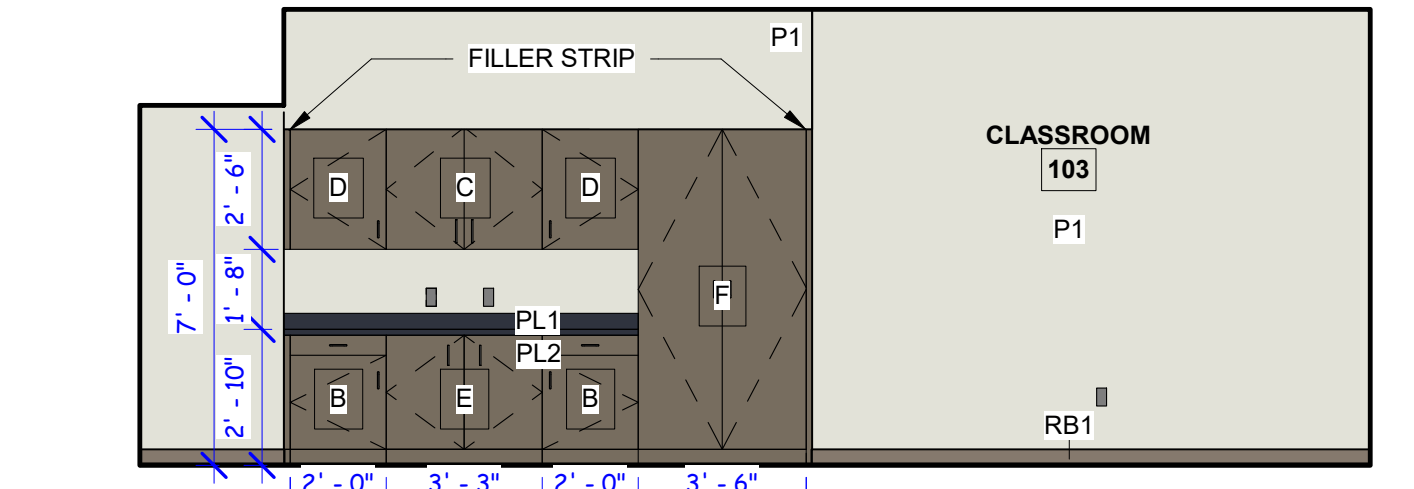
9 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



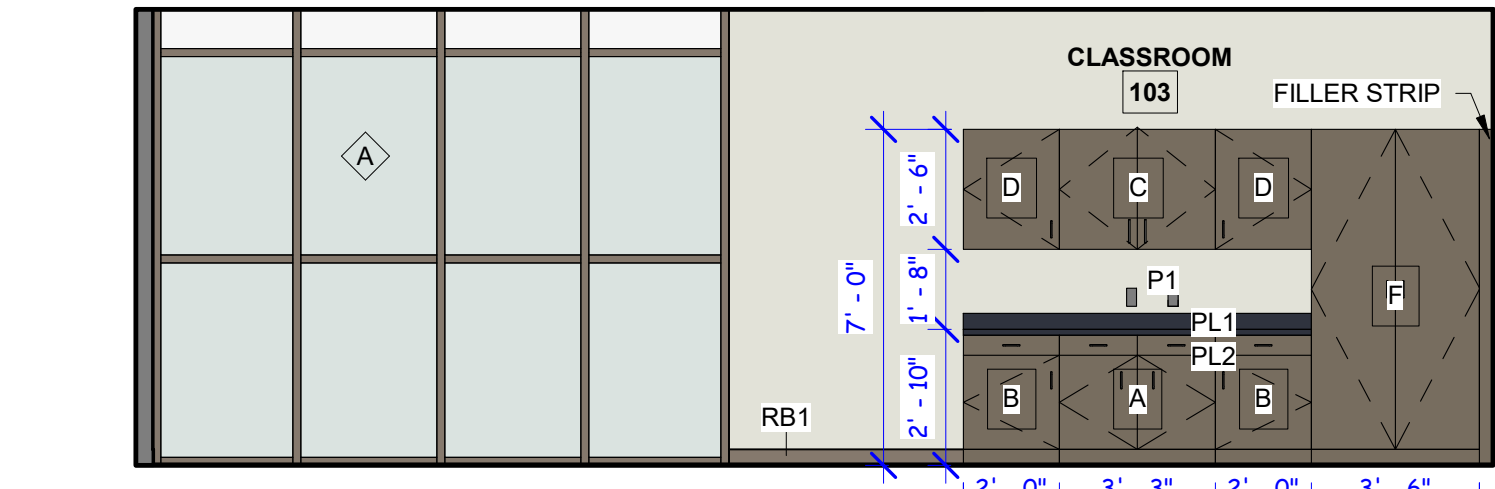
8 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



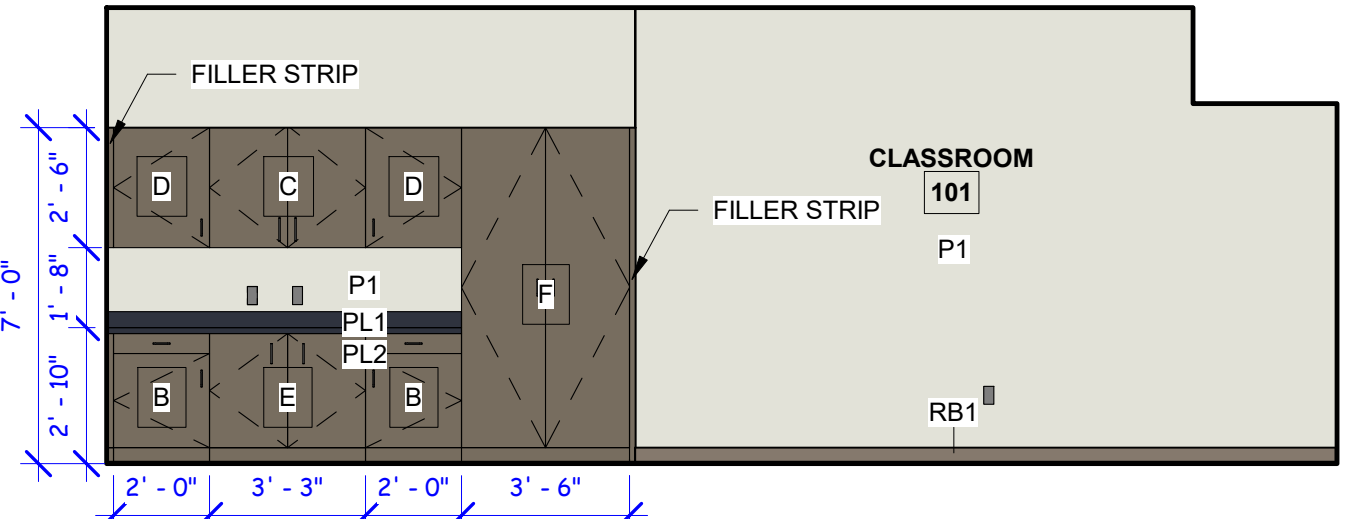
7 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



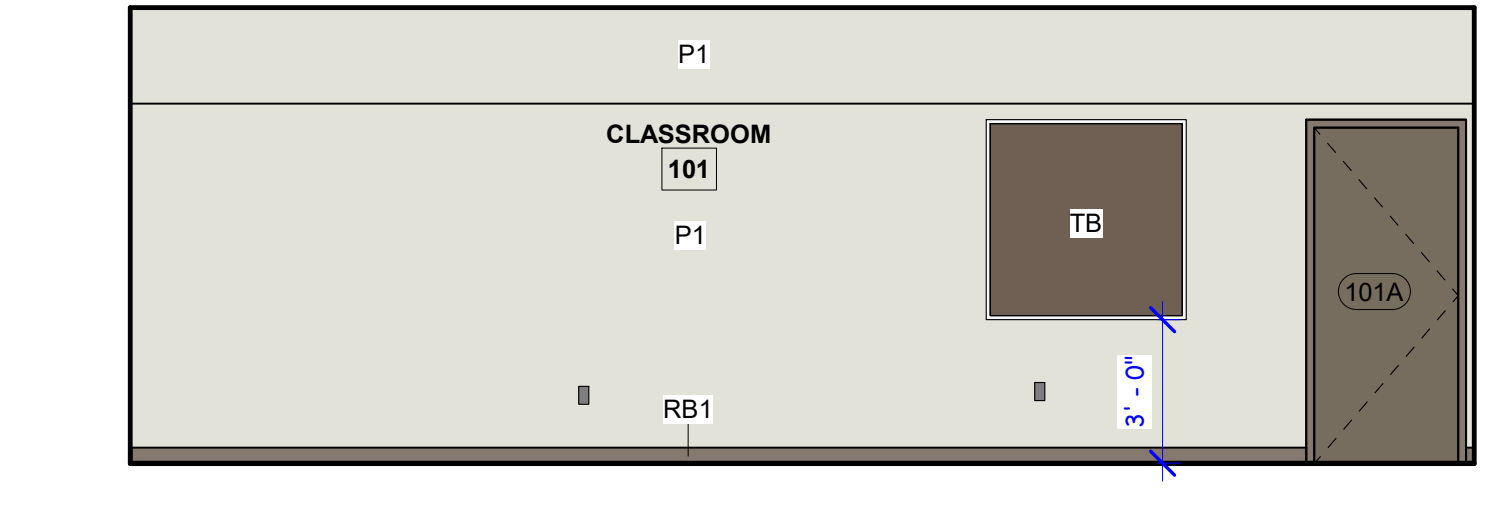
6 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



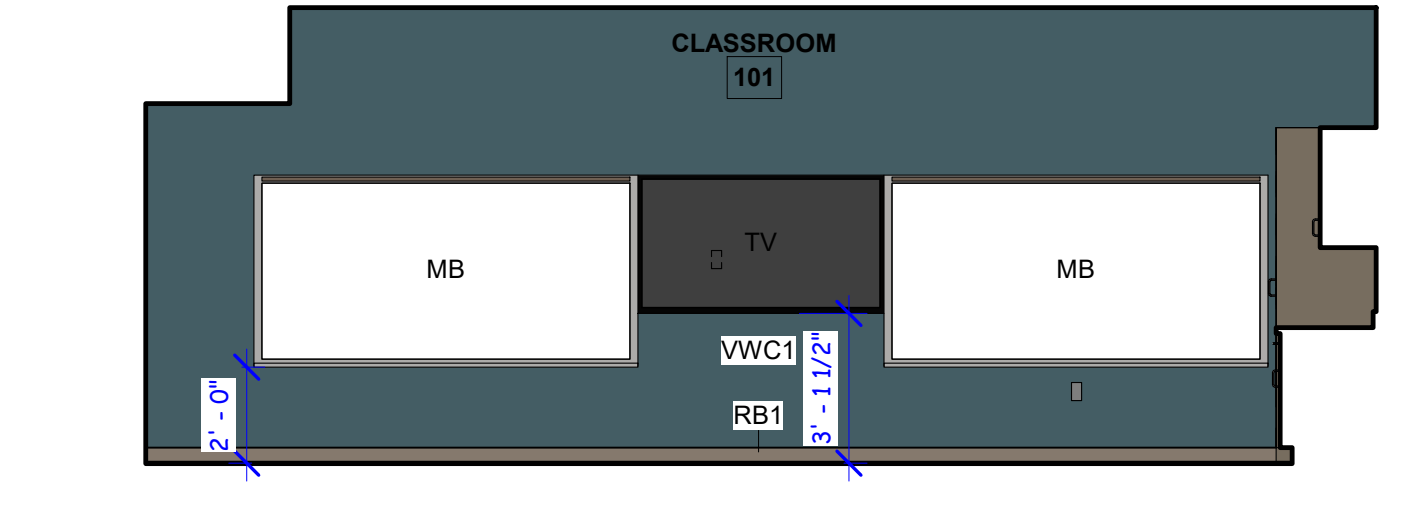
5 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



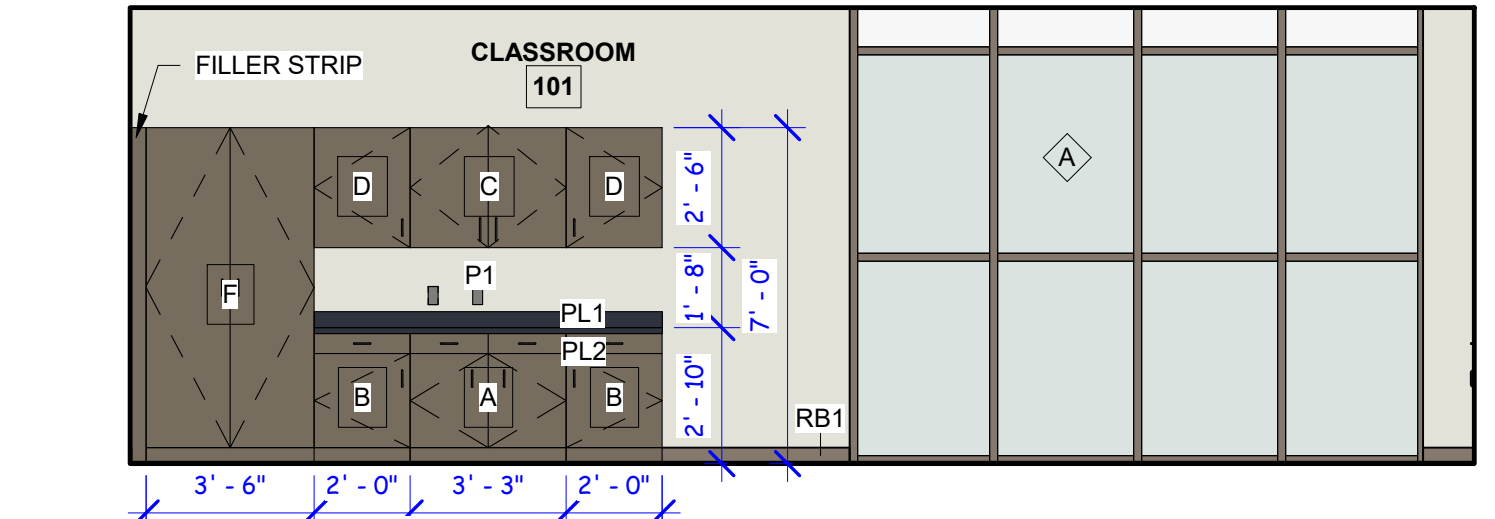
4 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1



3 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1

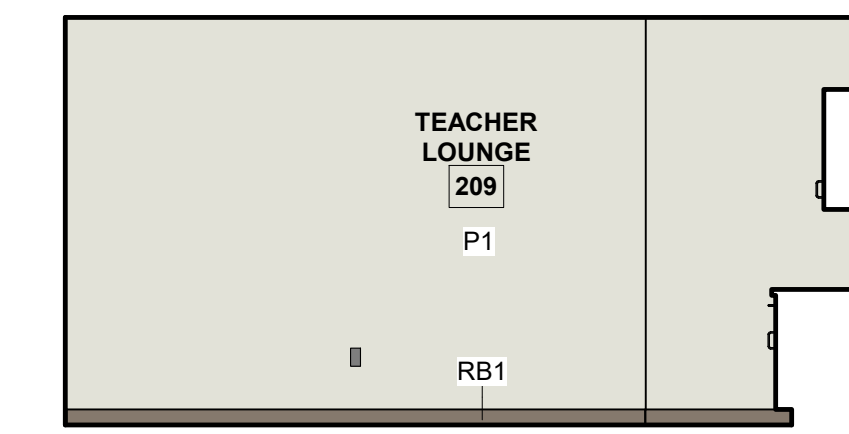


2 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1

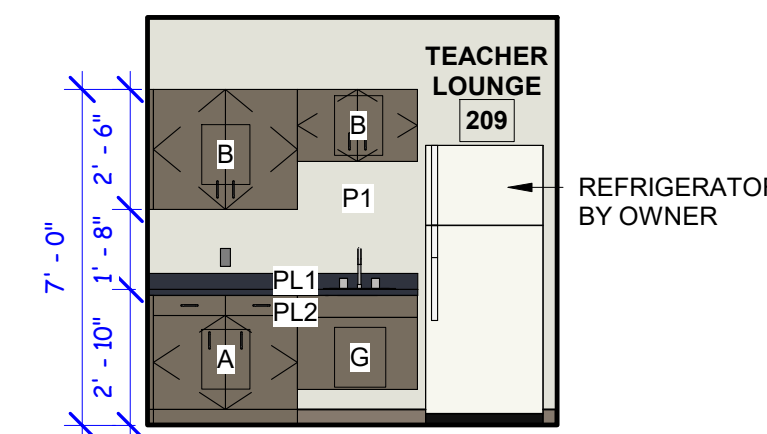


1 ELEVATION - INTERIOR
1/4" = 1/8" REF. A201.1

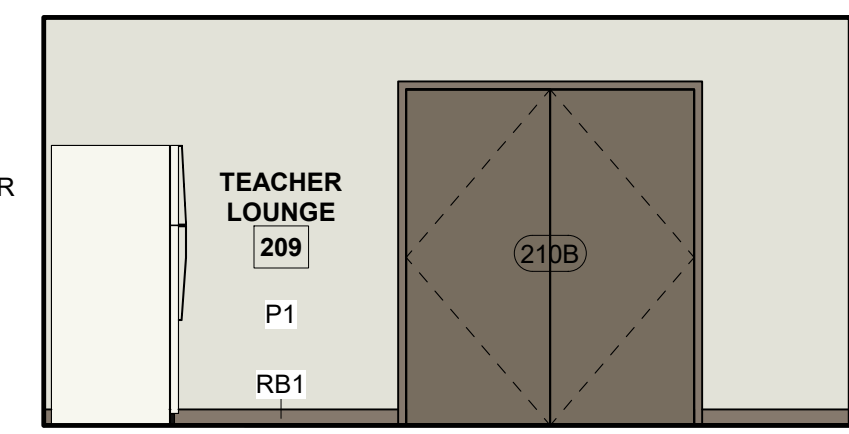
REVISIONS	
NUMBER	DATE



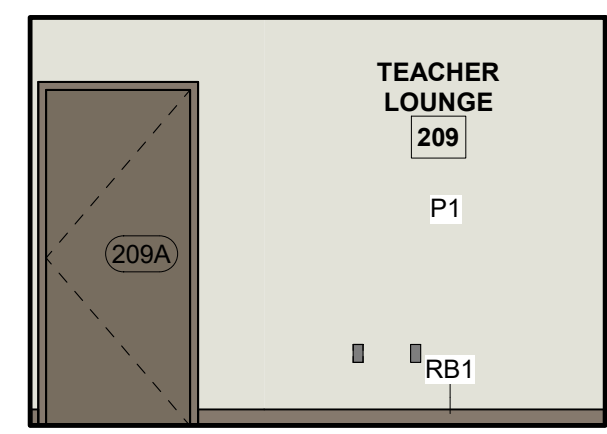
28 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



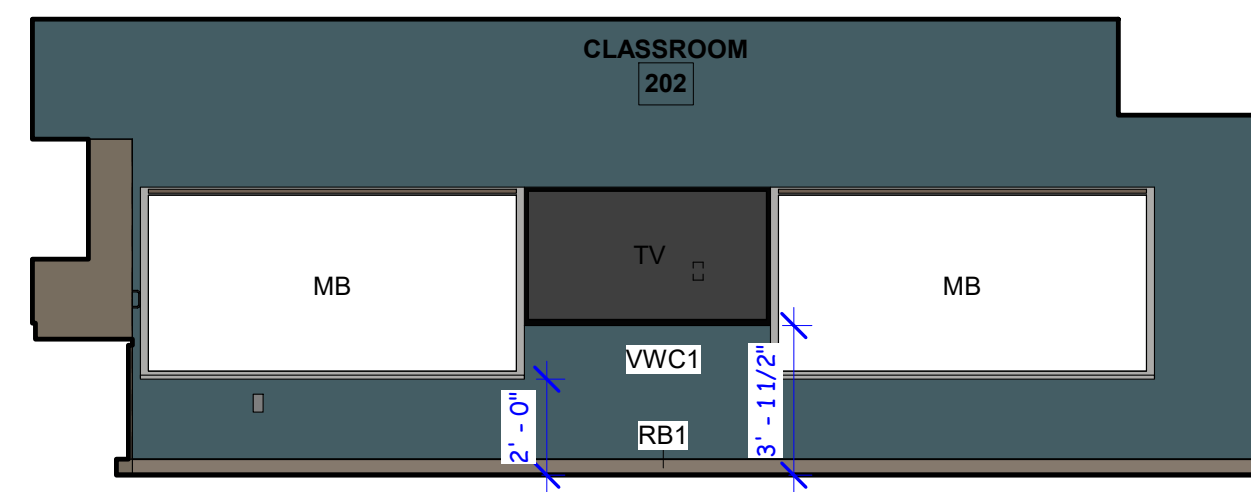
26 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



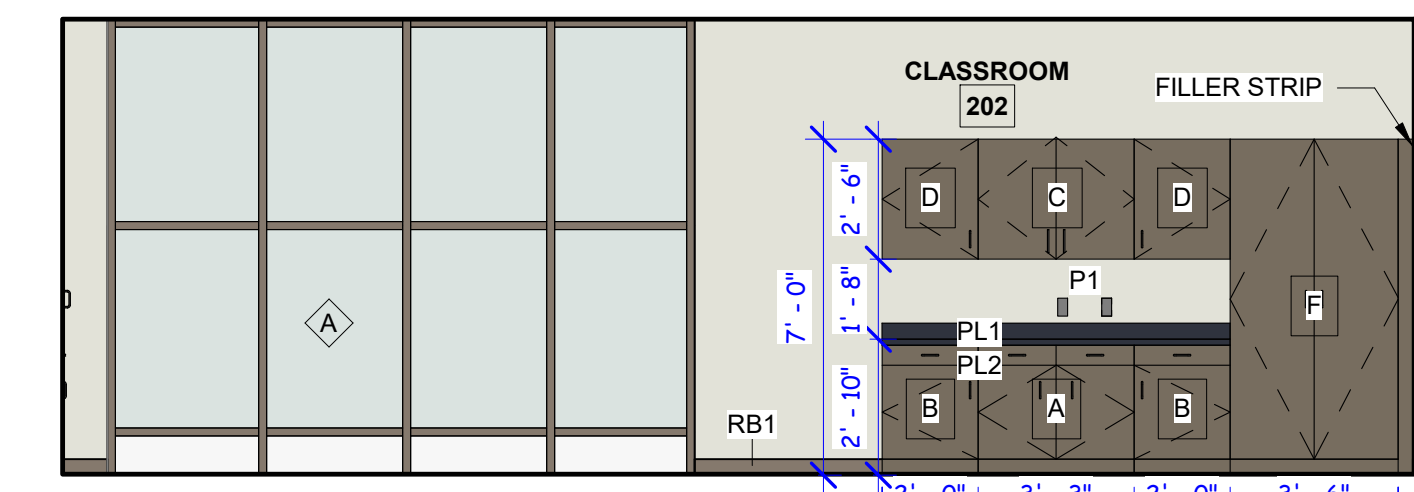
25 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



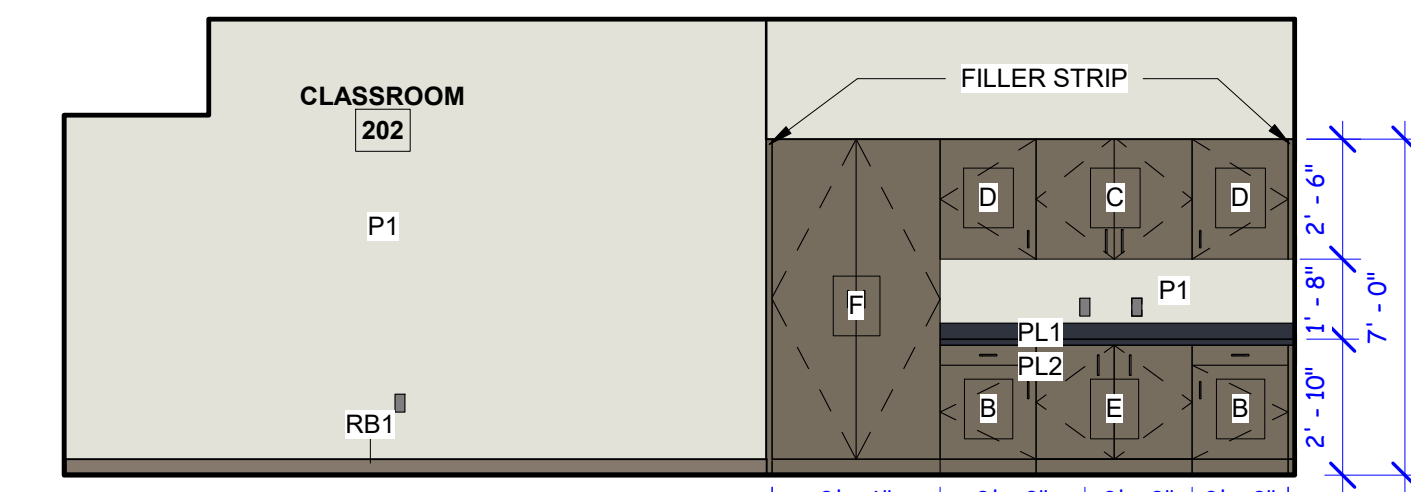
27 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



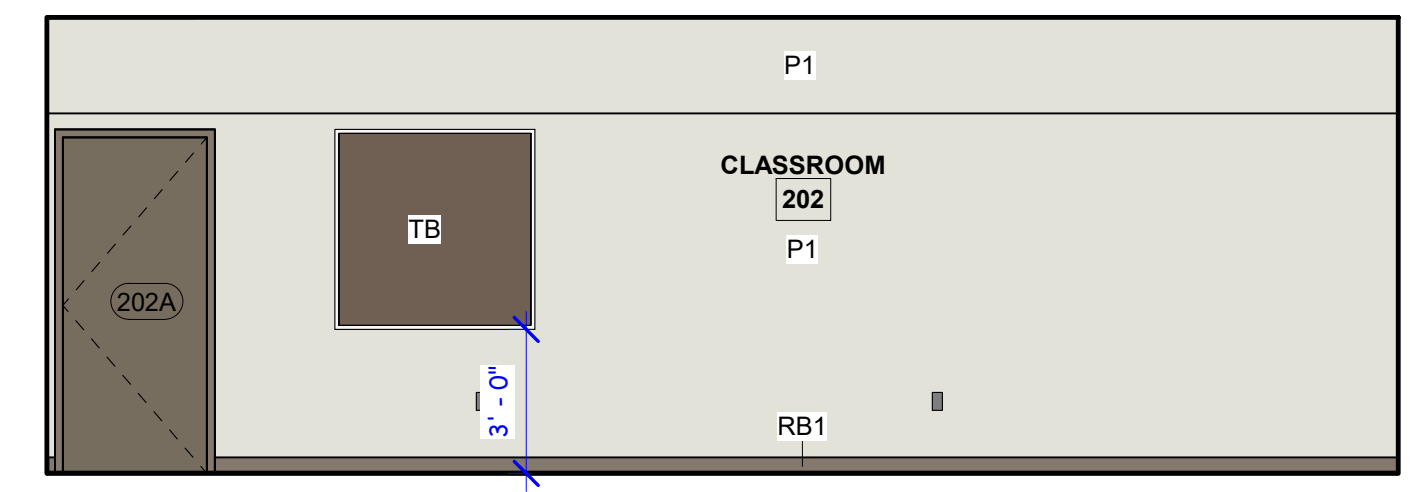
24 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



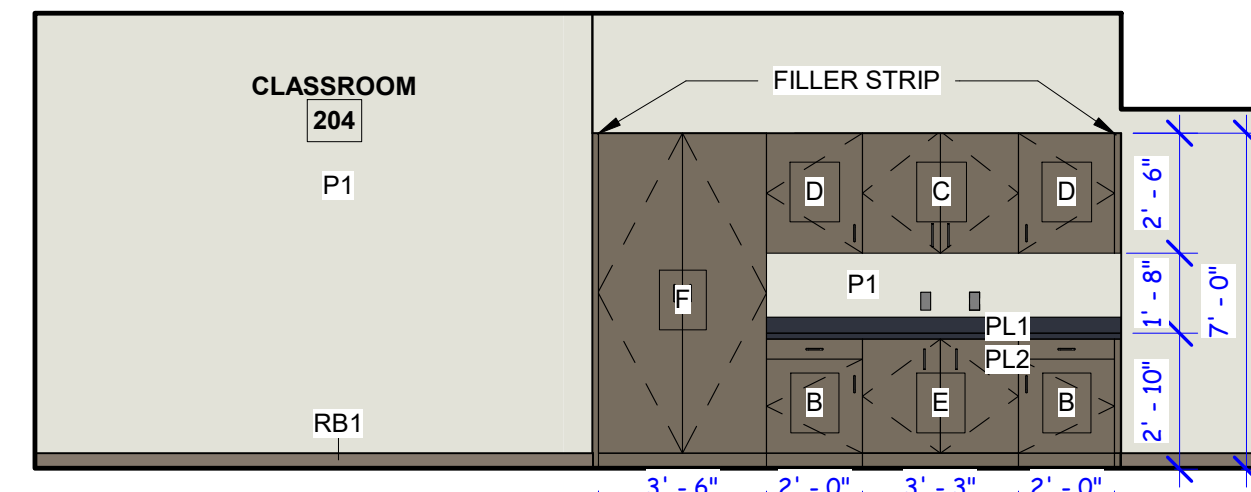
23 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



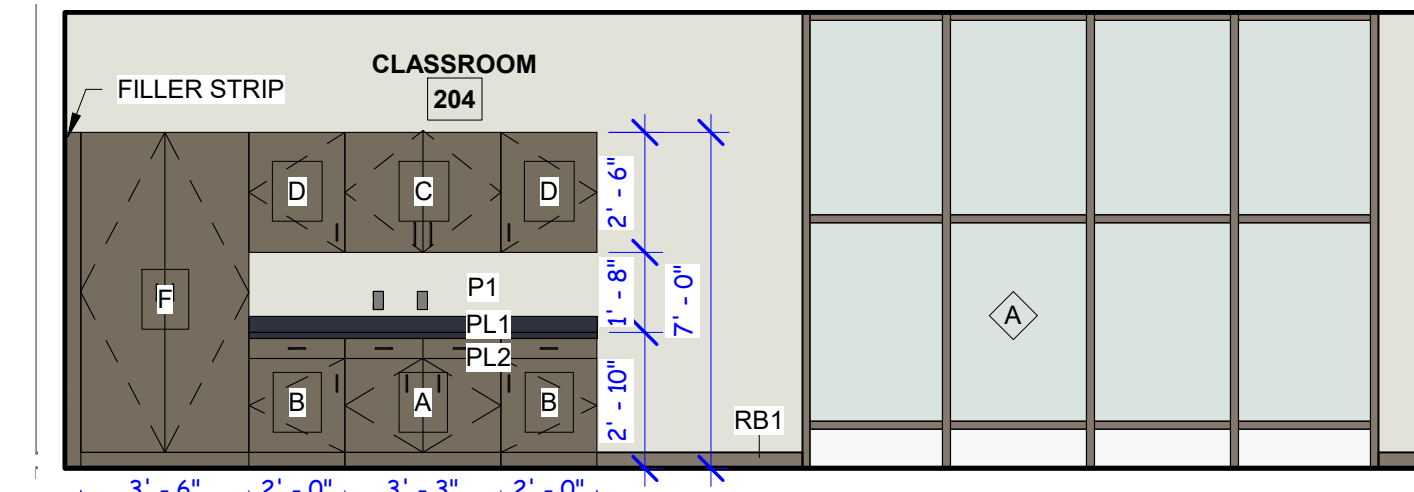
22 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



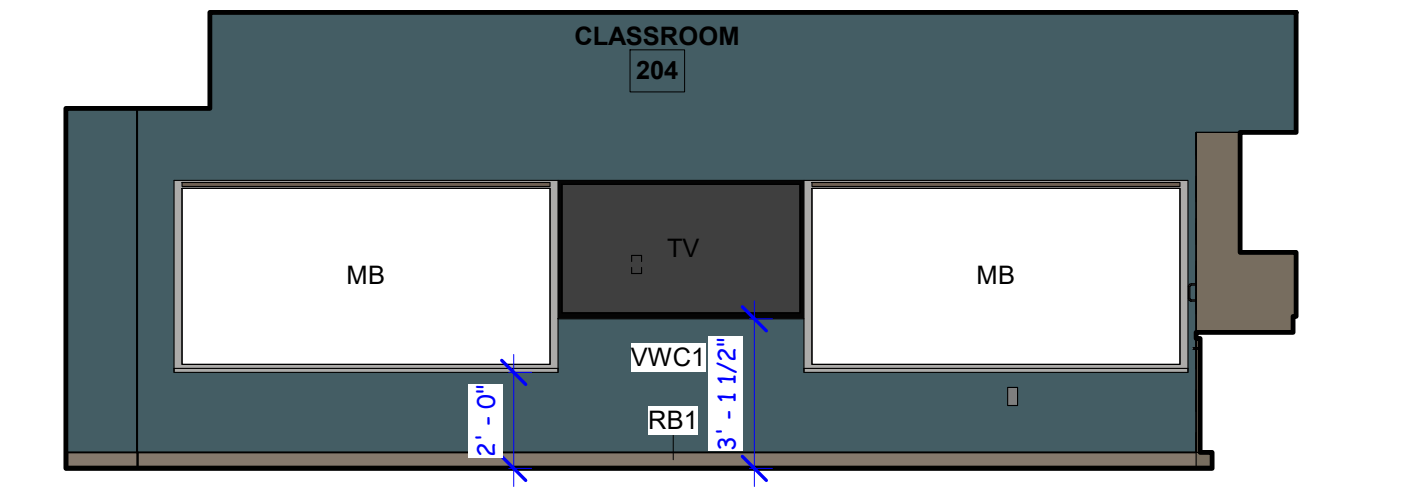
21 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



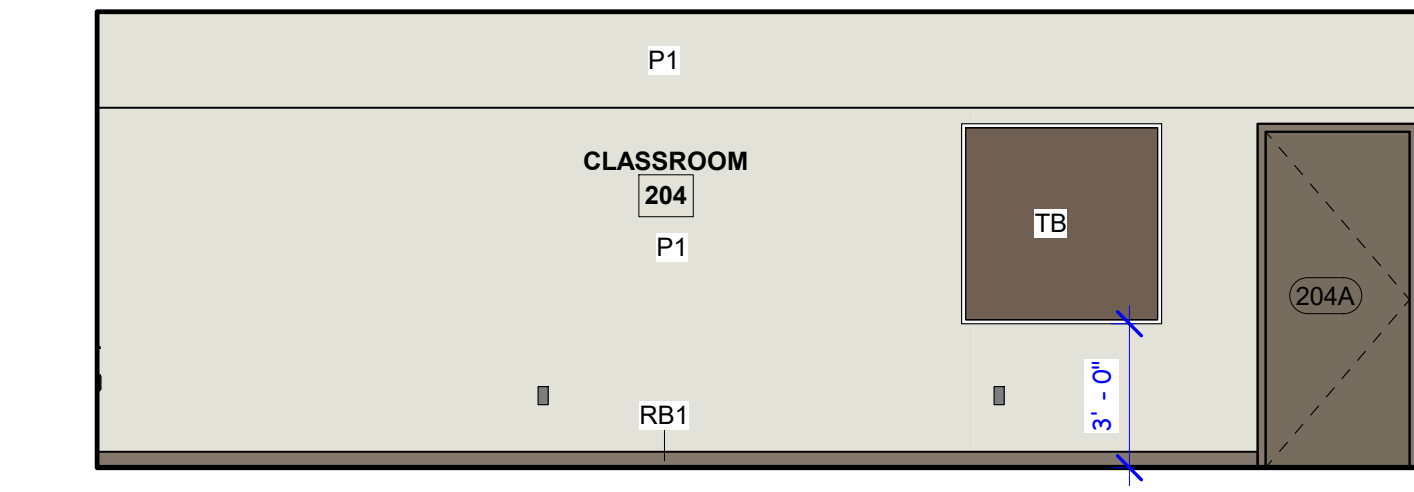
20 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



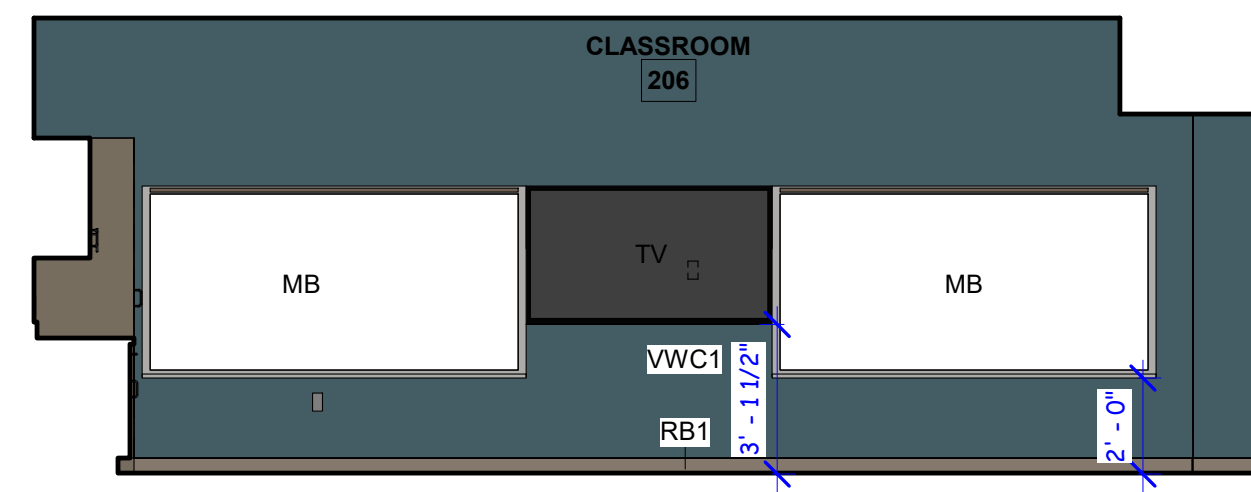
19 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



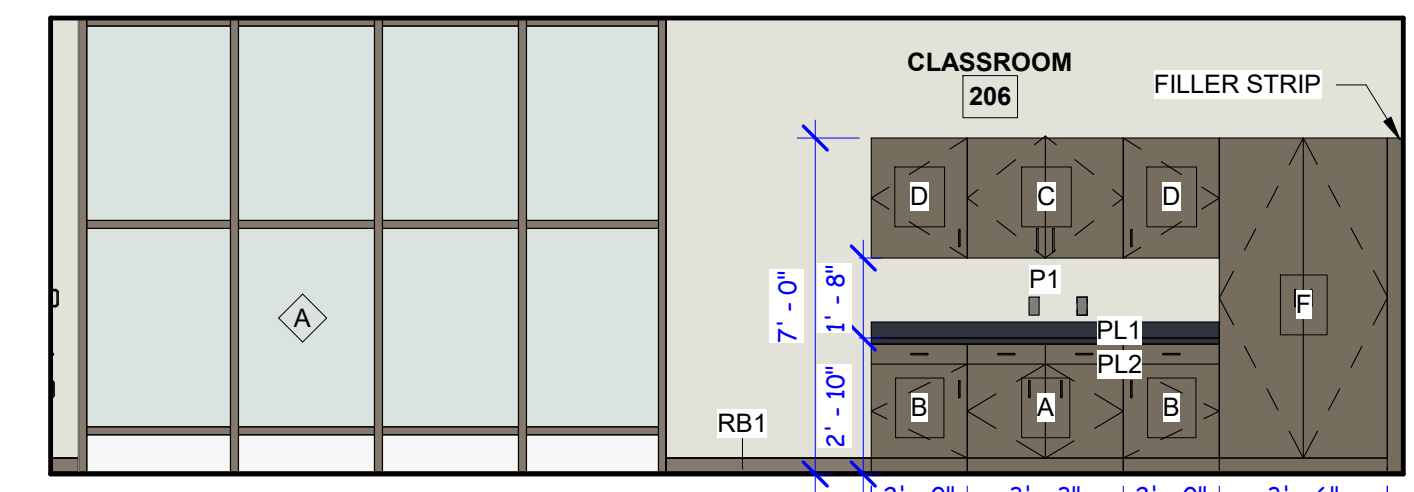
18 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



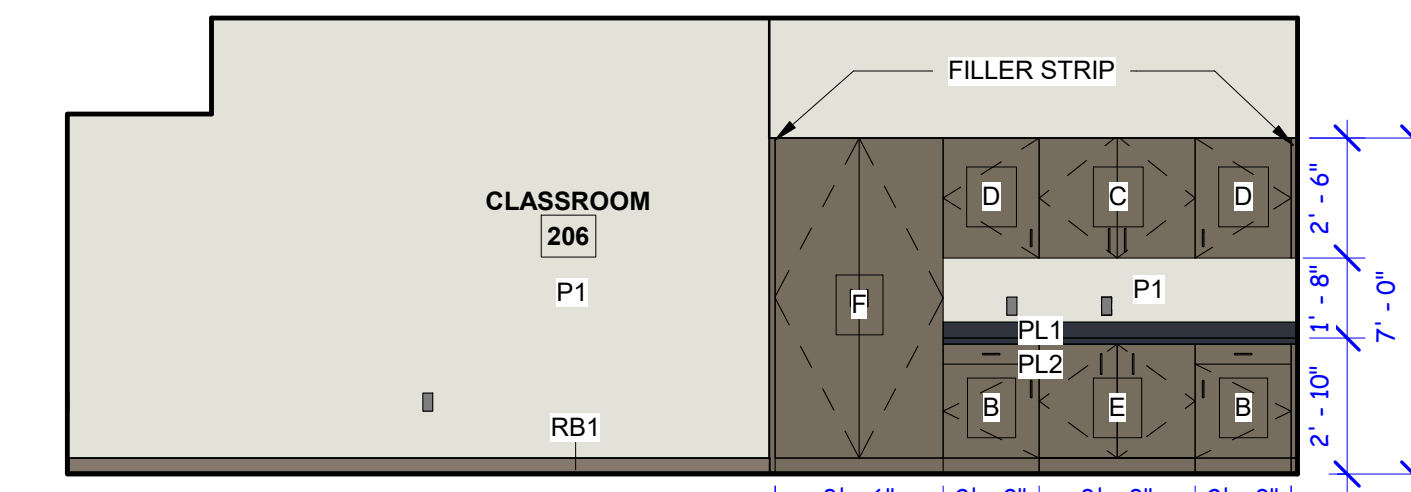
17 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



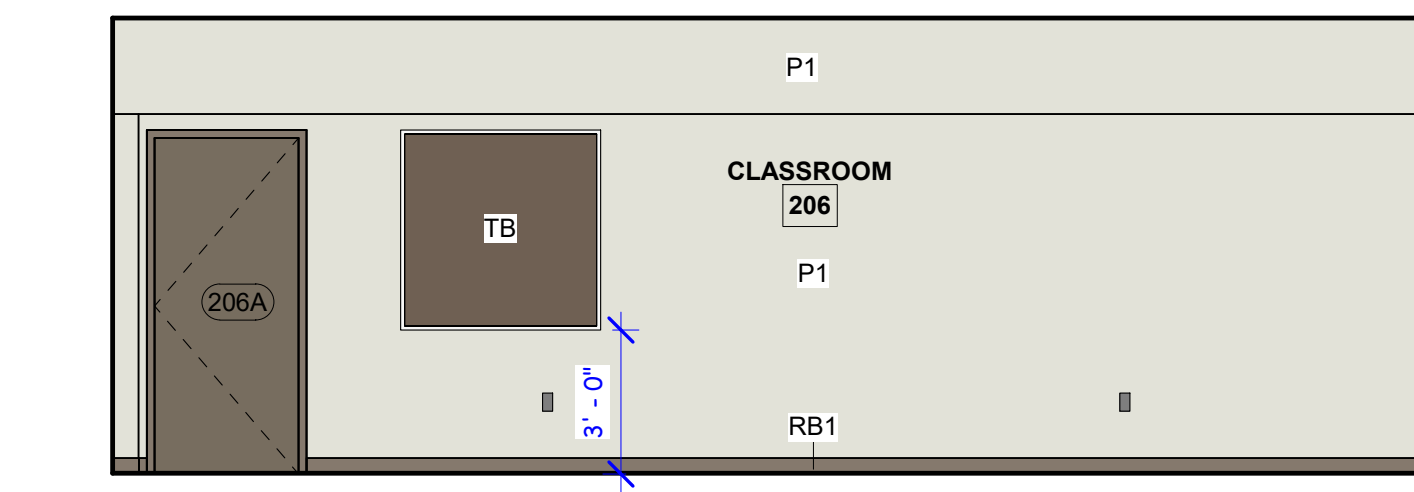
16 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



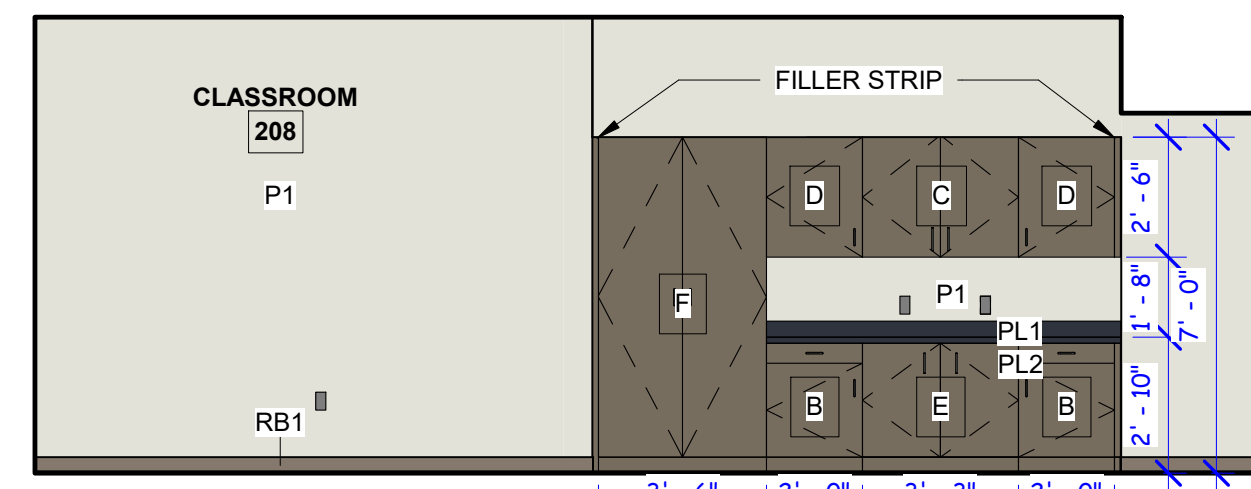
15 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



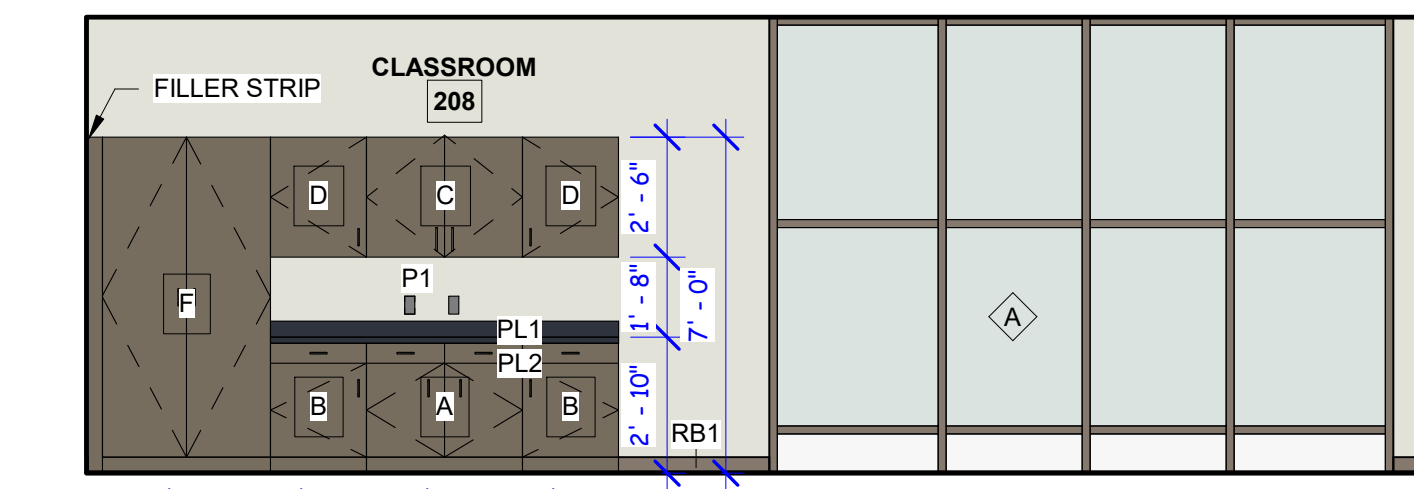
14 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



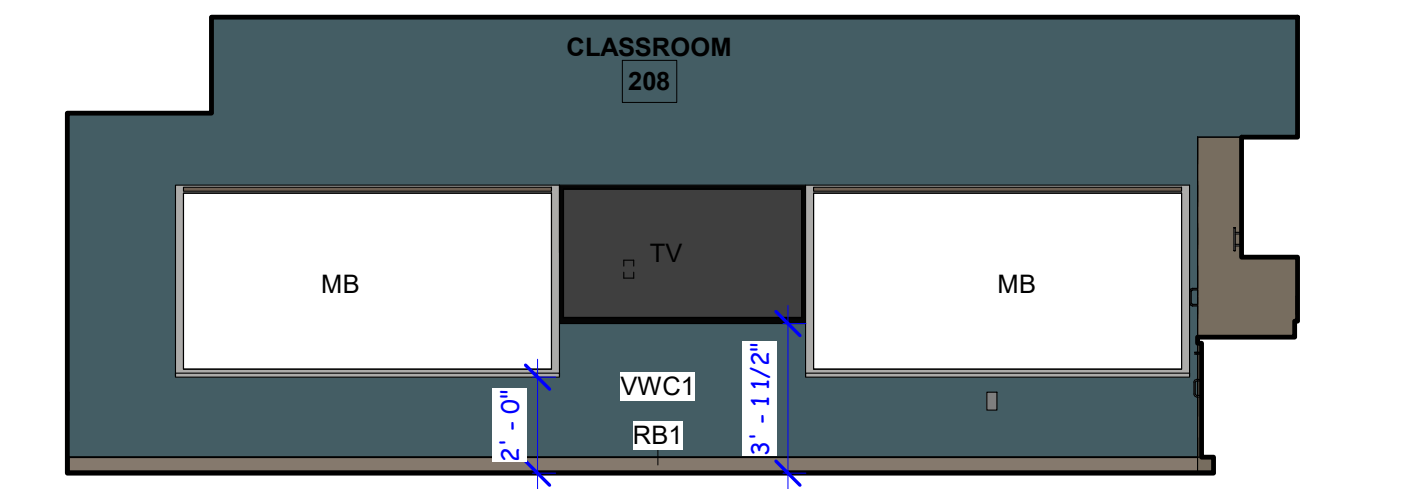
13 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



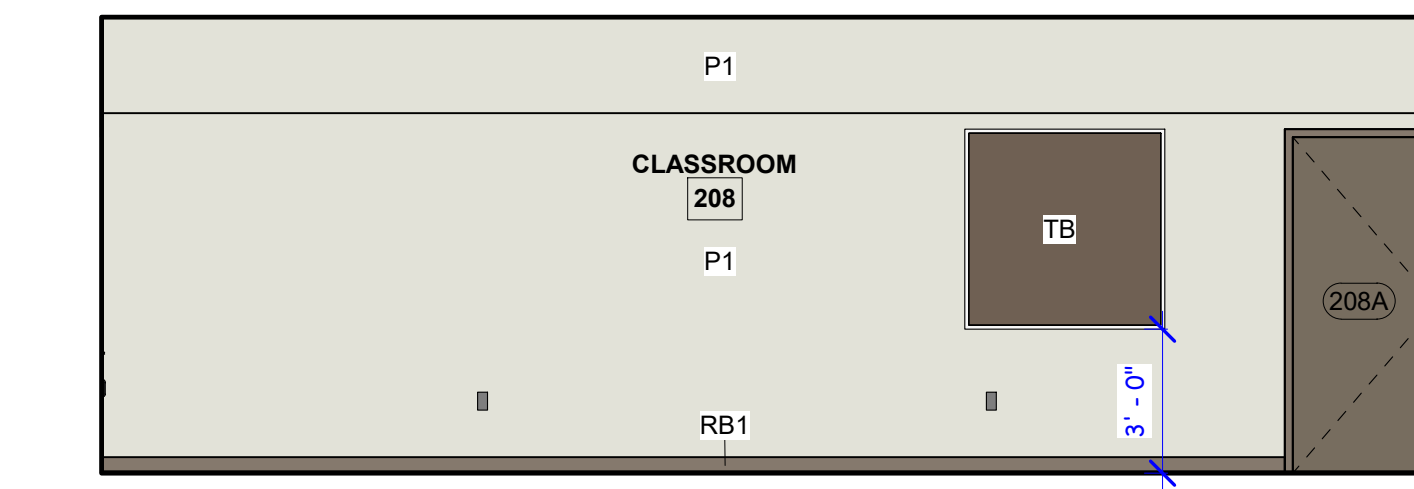
12 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



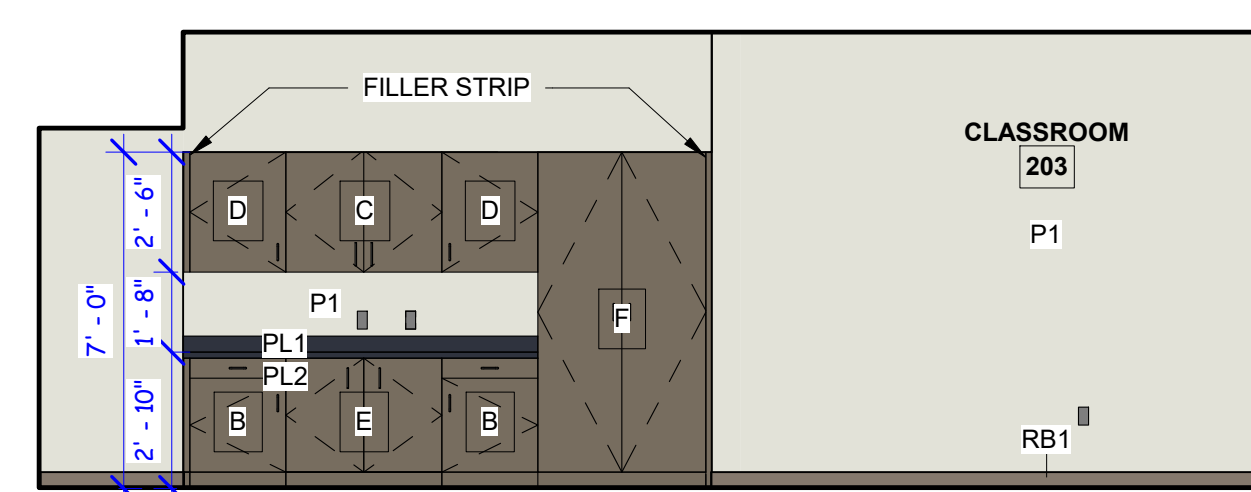
11 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



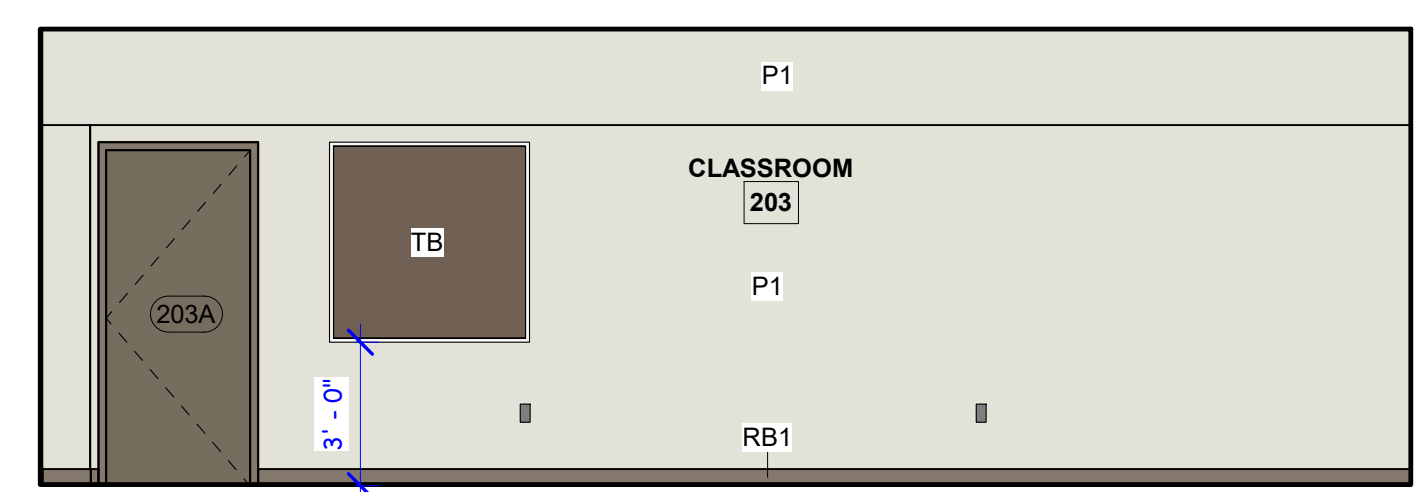
10 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



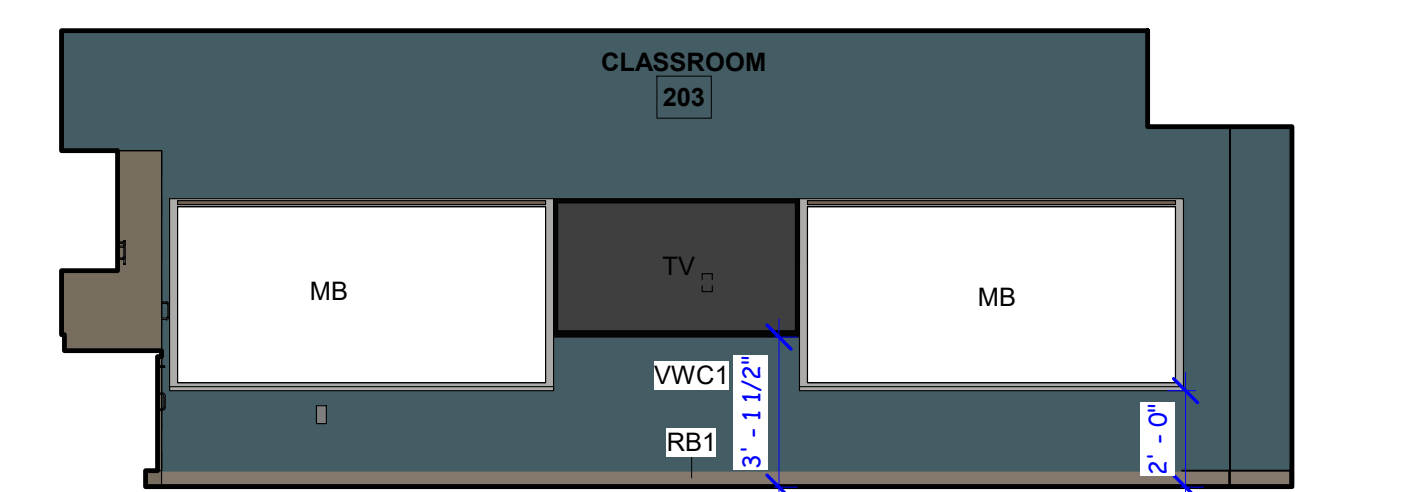
9 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



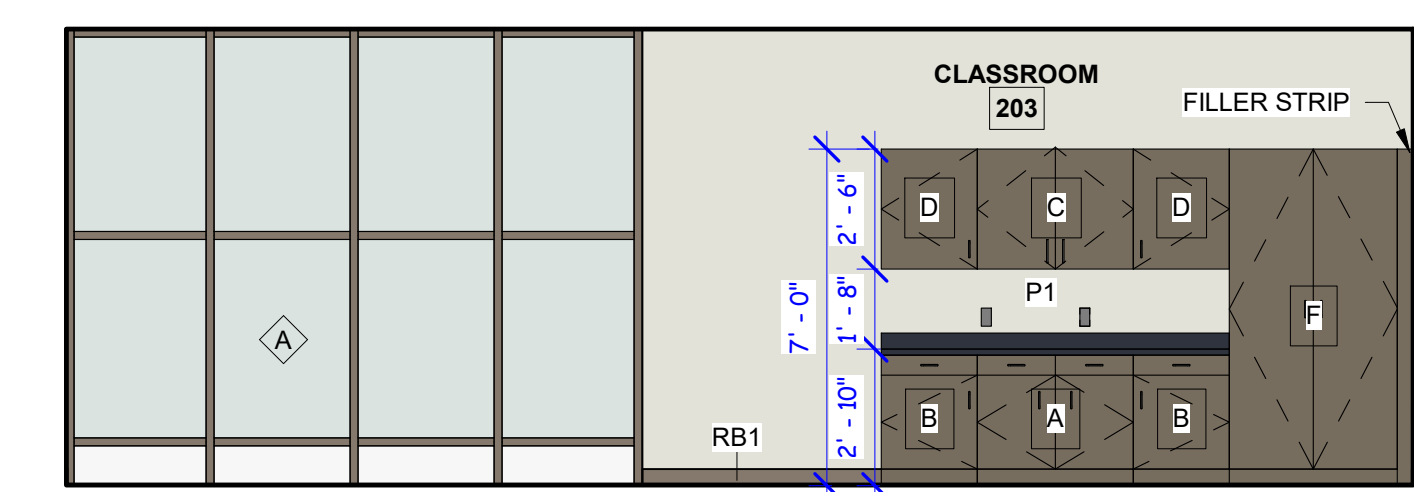
8 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



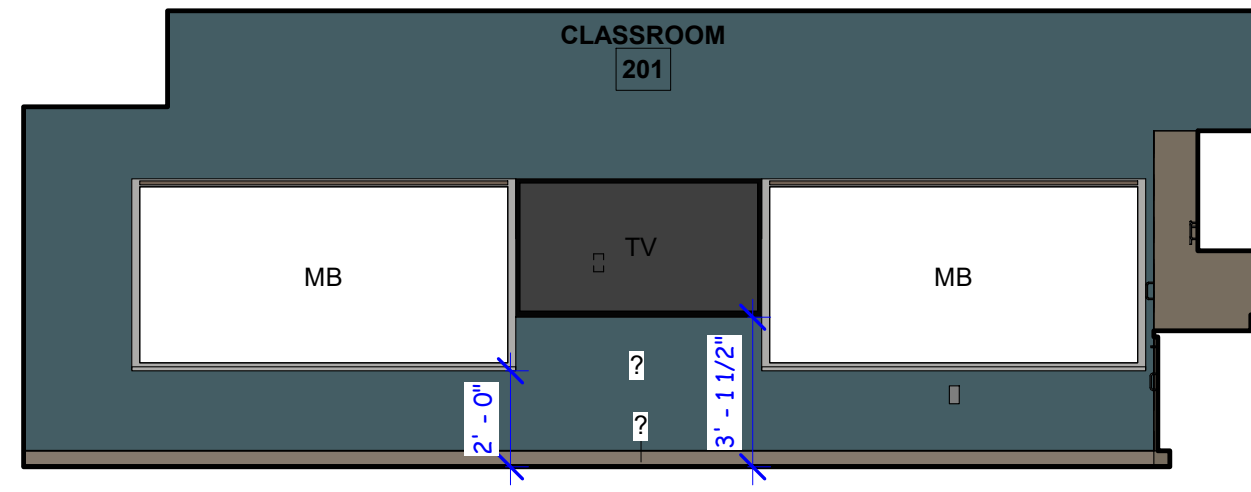
7 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



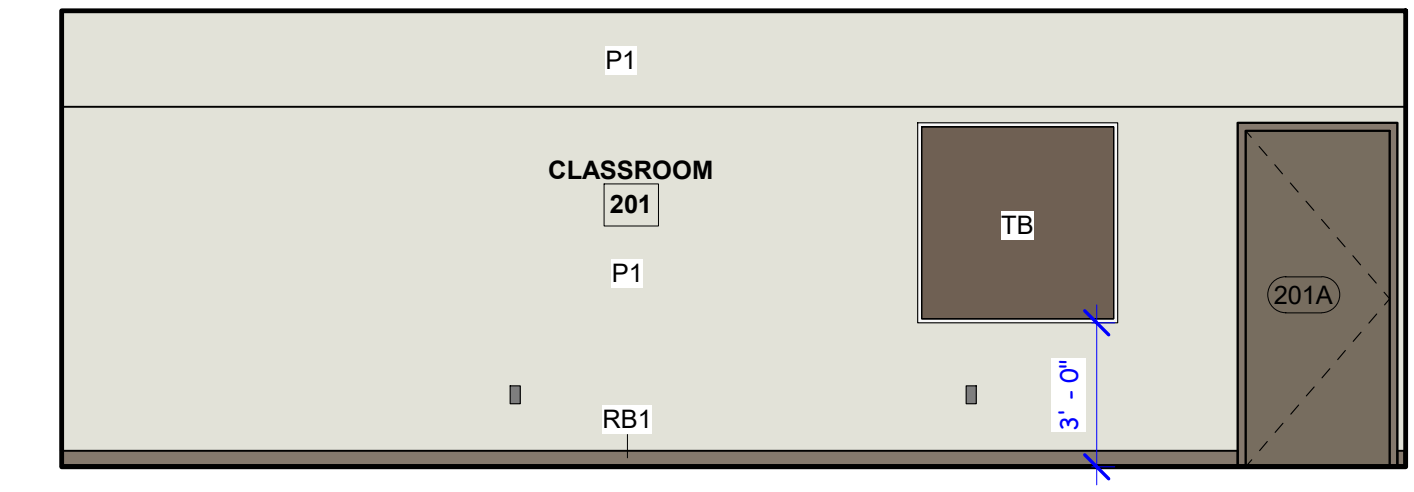
6 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



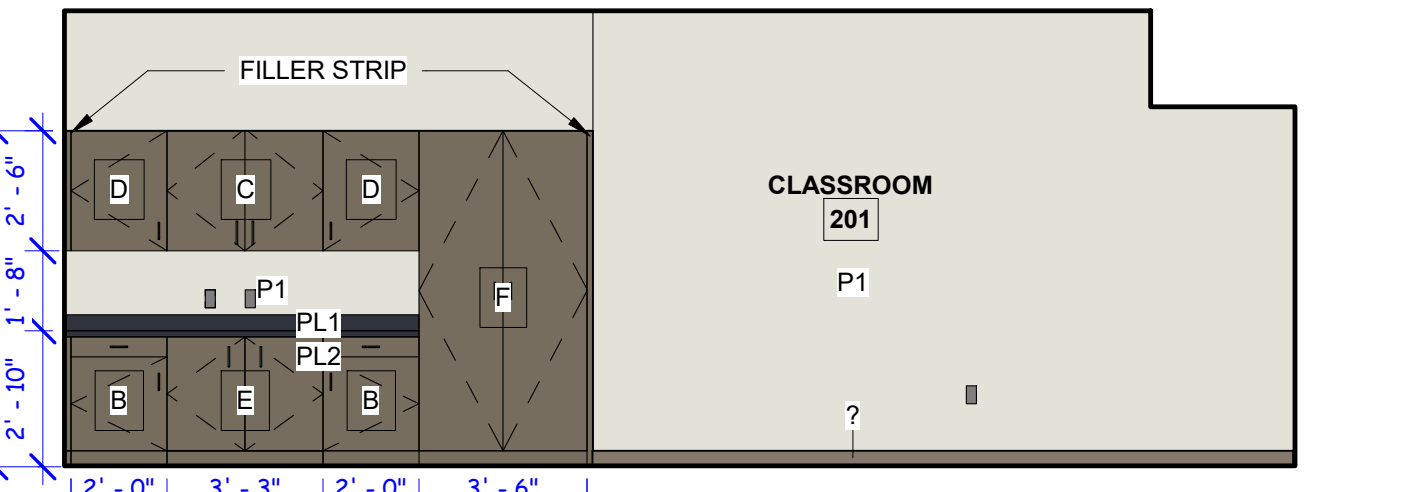
5 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



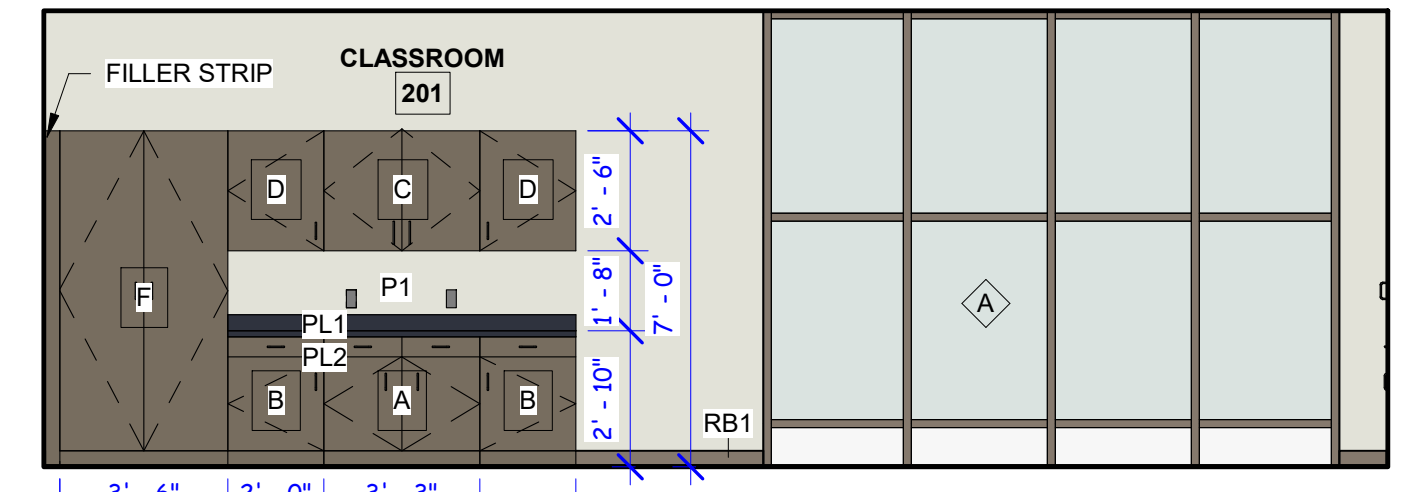
4 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



3 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



2 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2



1 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A200/2

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BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
ELEVATIONS - INTERIOR - LEVEL TWO

Project Number:
201928
Sheet issue date:
2020.10.05

16 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.4

15 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

14 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.4

13 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

12 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

11 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

10 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

9 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

8 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

7 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

6 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

5 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

4 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

3 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

2 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

1 ELEVATION - INTERIOR
1/4" = 1'-0" REF: A201.2

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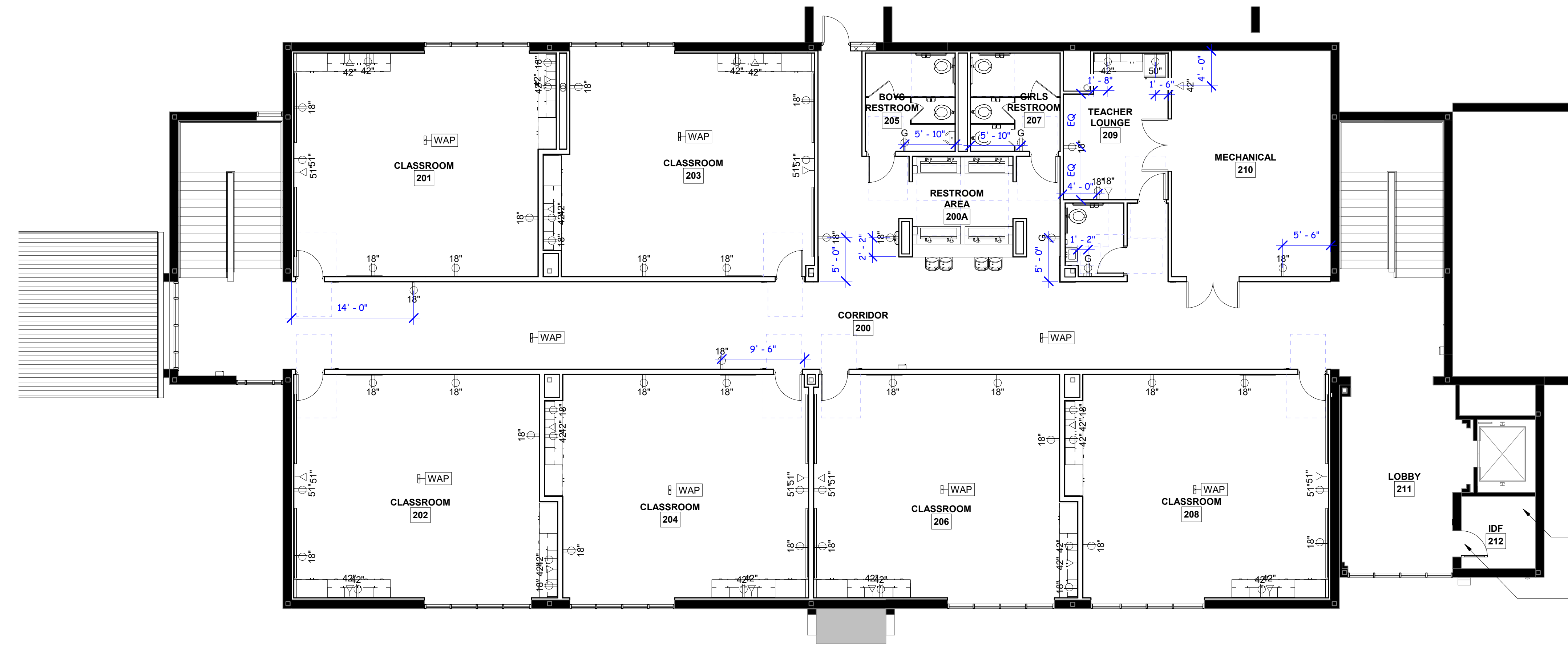
GENERAL PLAN NOTES

1. DEVICE & DATA PLAN PROVIDED FOR QUANTITY AND LOCATION REFERENCE. REFER TO MEP FOR ELECTRICAL CIRCUITING, PANELING, AND CALCULATIONS. CONTRACTOR TO COORDINATE WITH MEP DRAWINGS PRIOR TO CONSTRUCTION.
2. OWNER WILL REMOVE & STORE INTERACTIVE TV'S, W.A.P.'S, & CAMERAS.
3. TELECORE Z SYSTEM INTERCOM - NEED NEW SPEAKERS.
4. DATA IN WALL FOR NEWLINES ON TEACHING WALL.
5. TIE P.A. SYSTEM TO ANNEX FROM SFA BUILDING.
6. TIE FIRE ALARM TO ANNEX FROM ADMIN BUILDING.

PLAN SHEET NOTES

EXISTING IDF TO REMAIN
PROVIDE 2 NEW 30AMP TWIST
LOCKS FOR UPS DEVICES
PROVIDED BY OWNER
COORDINATE PLUG STYLE WITH
OWNER

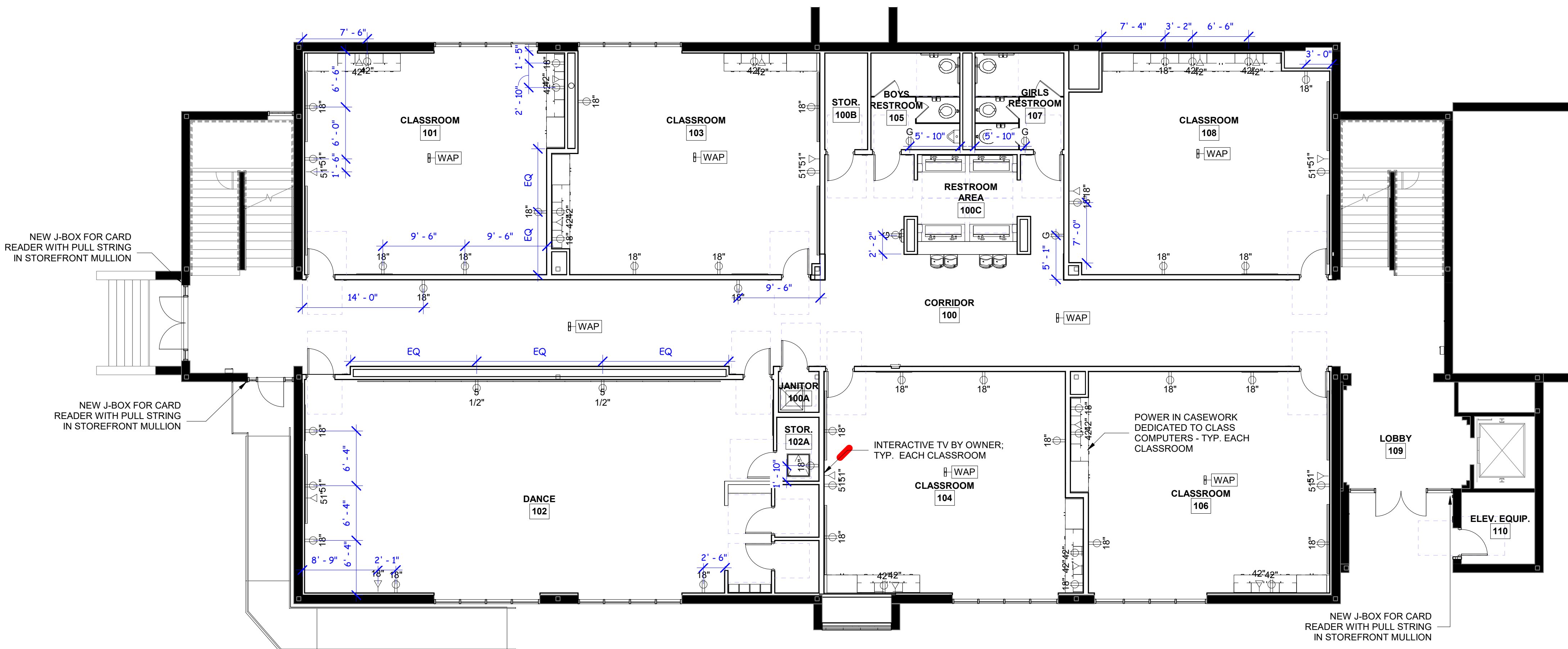
EXISTING MINI-SPLIT
TO REMAIN



2 FLOOR PLAN - DEVICE AND DATA - LEVEL 2
1/8" = 1'-0"

DEVICE LEGEND

SYMBOL	DESCRIPTION
	DUPLEX OUTLET
	DUPLEX DATA
	QUAD OUTLET
	QUAD DATA
	OUTLET (CEILING) FUTURE SHORT THROW PROJECTOR LOCATION
	SECURITY CAMERA & DIRECTION
	CEILING MOUNTED WIRELESS ACCESS POINT. PROVIDE 2 CAT6 DATA CABLES



1 FLOOR PLAN - DEVICE AND DATA - LEVEL 1
1/8" = 1'-0"

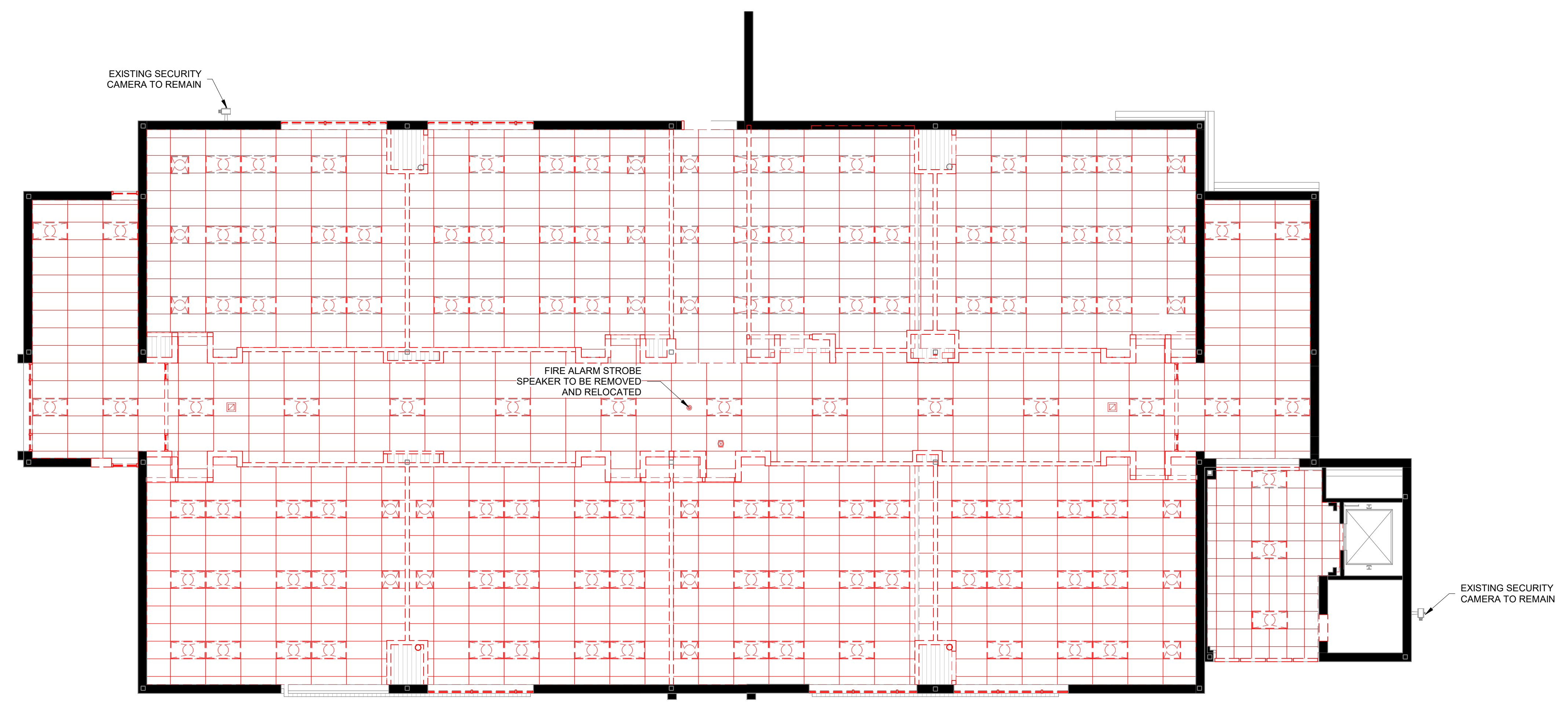
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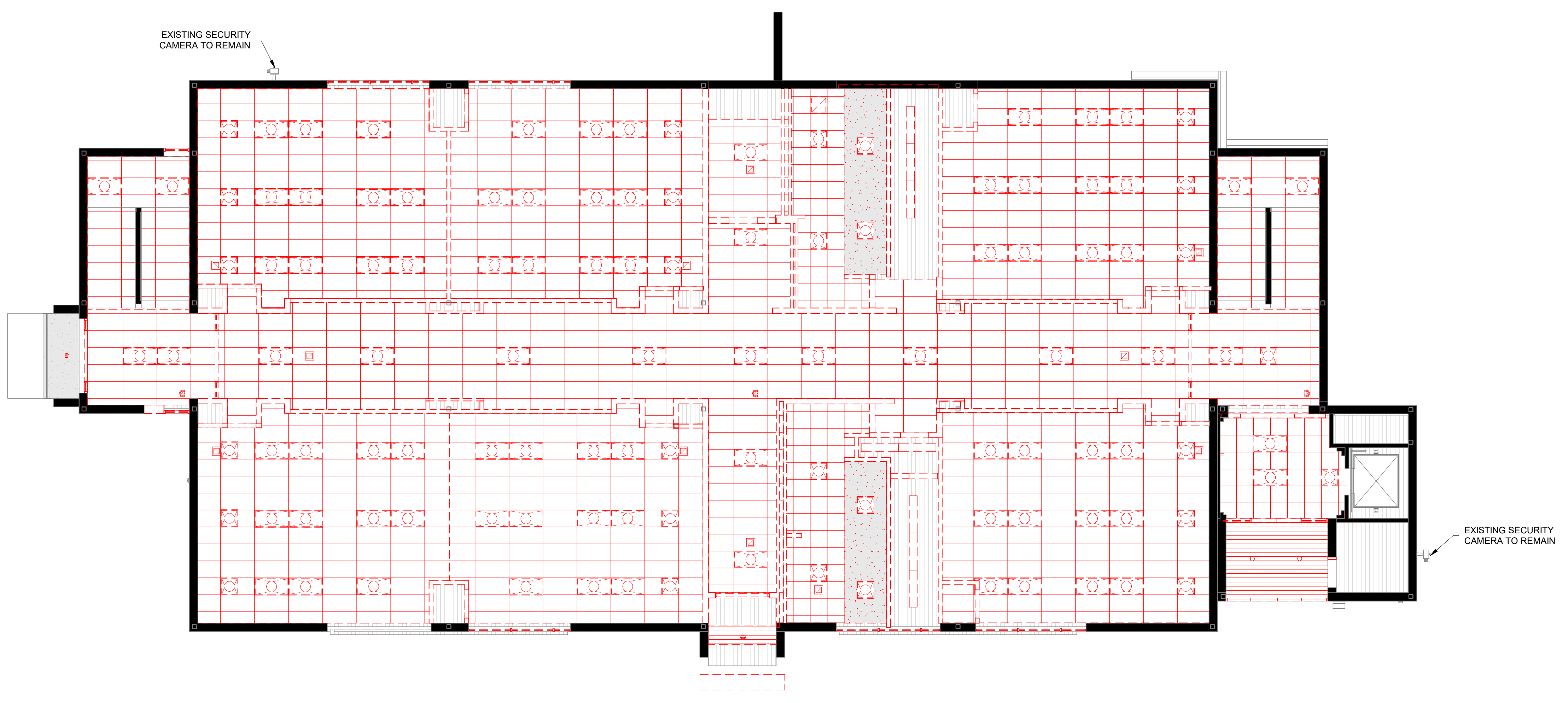
REVISIONS	
NUMBER	DATE

RCP SHEET NOTES

1. ALL EXISTING CEILINGS TO BE DEMOLISHED
2. ALL EXISTING LIGHTING FIXTURES TO BE DEMOLISHED
3. ALL EXISTING RETURN AIR DIFFUSERS TO BE DEMOLISHED
4. ALL EXISTING CEILING BASED CAMERAS TO BE REMOVED AND REINSTALLED BY CONTRACTOR
5. ALL EXISTING BELLS AND SPEAKERS TO BE REMOVED AND REINSTALLED BY CONTRACTOR



2 REFLECTED CEILING PLAN - DEMO - LEVEL 2
1/8" = 1'-0"



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

DEMO LIGHTING LEGEND

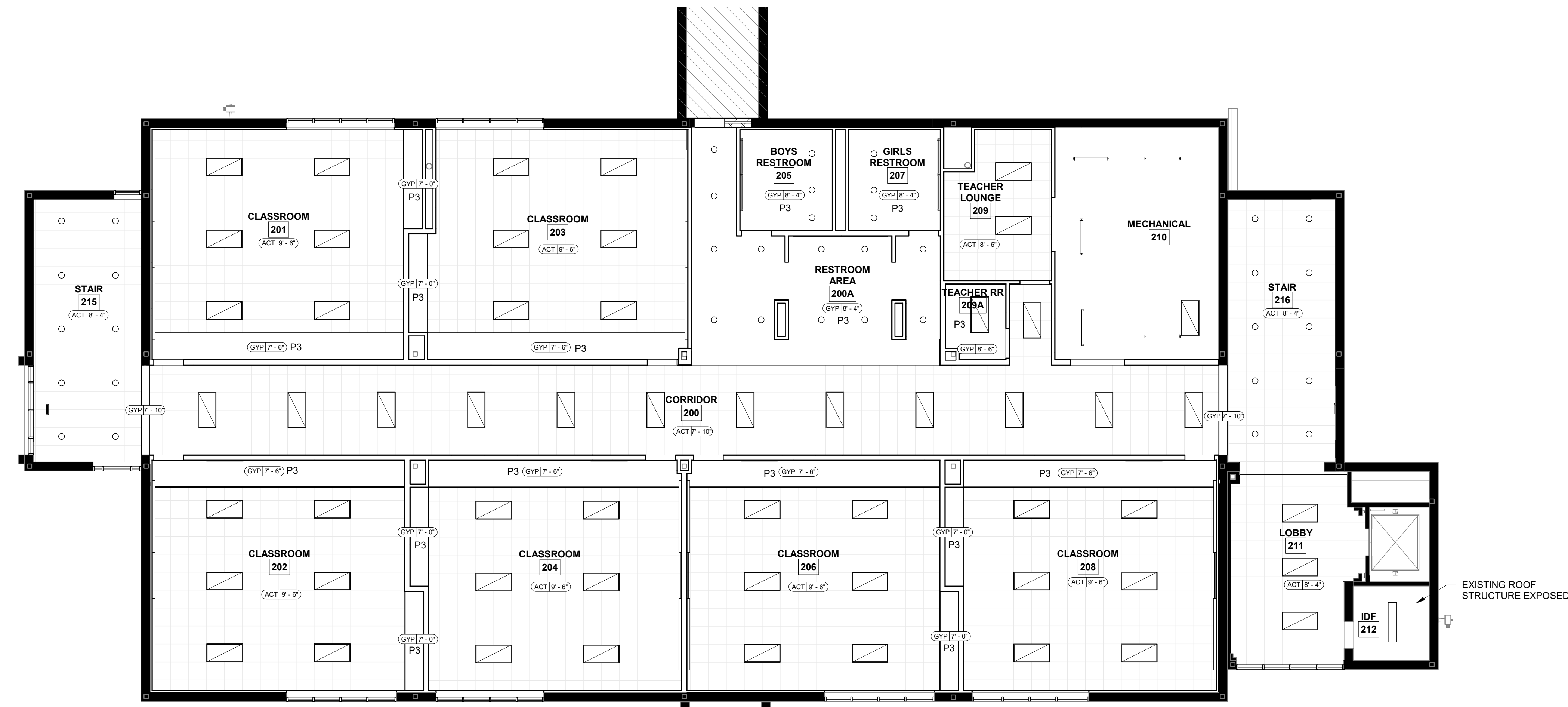
SYMBOL	DESCRIPTION
	DEMOLISH EXISTING 2' x 4' TROFFER LIGHTING
	DEMOLISH EXISTING 2' x 2' TROFFER LIGHTING
	DEMOLISH EXISTING RETURN AIR DIFFUSER
	DEMOLISH EXISTING 6" RECESSED CAN LIGHT
	REMOVE AND RELOCATE EXISTING CEILING MOUNTED CAMERA
	DEMOLISH EXISTING SUSPENDED LIGHT
	DEMOLISH EXISTING SPOT LIGHT

REVISIONS	
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GENERAL REFLECTED CEILING NOTES

- SEE SPECIFICATIONS FOR MORE REFLECTED CEILING PLAN INFORMATION
- PROTECT ALL EXISTING SURFACES TO REMAIN
- NEW CEILING HEIGHTS SHALL MATCH EXISTING UNLESS U.O.N.
- LIGHTS, FIXTURES, EXIT SIGNS AND OTHER CEILING ACCESSORIES ARE SHOWN FOR TYPE AND LOCATION ONLY. REFER TO ENGINEERING DRAWINGS FOR INFORMATION ON POWER REQUIREMENTS, CIRCUITING, SWITCHING, FIXTURE SPECIFICATIONS, AND EMERGENCY LIGHTING.
- CONTRACTOR TO VERIFY ALL START, STOP, AND ORIG. POINTS OF A.C.T. GRID WITH ARCHITECT IN FIELD
- GANG ALL ADJACENT SWITCHES UNDER ONE COVER PLATE
- SPRINKLER HEADS AND ANY SPRINKLER LINES ARE TO BE RELOCATED SO THAT THEY WILL NOT COME IN CONFLICT WITH THE LIGHTS AS SHOWN ON THE PLAN.
- ALL SPRINKLER HEADS INSTALLED IN A.C.T. SHALL BE CONCEALED U.O.N. IN SPECIFICATIONS; ALL SPRINKLER HEADS INSTALLED IN G.W.B. CEILINGS SHALL BE CONCEALED U.O.N. AND ALL SPRINKLER HEADS AT OPEN CEILING AREAS SHALL BE TURNED UP.
- WHEN USED, ELECTRICAL CONTRACTOR SHALL COORDINATE THE TYPE OF DIMMER REQUIRED TO PROPERLY DIM FIXTURES WITH THE FIXTURE MANUFACTURER AND SHALL ADJUST AS NEEDED.
- ALL CEILING ELEVATION HEIGHTS REFER TO FINISHED FLOOR ELEVATION. (RELATIVE TO THE F.F. BELOW THE CEILING)

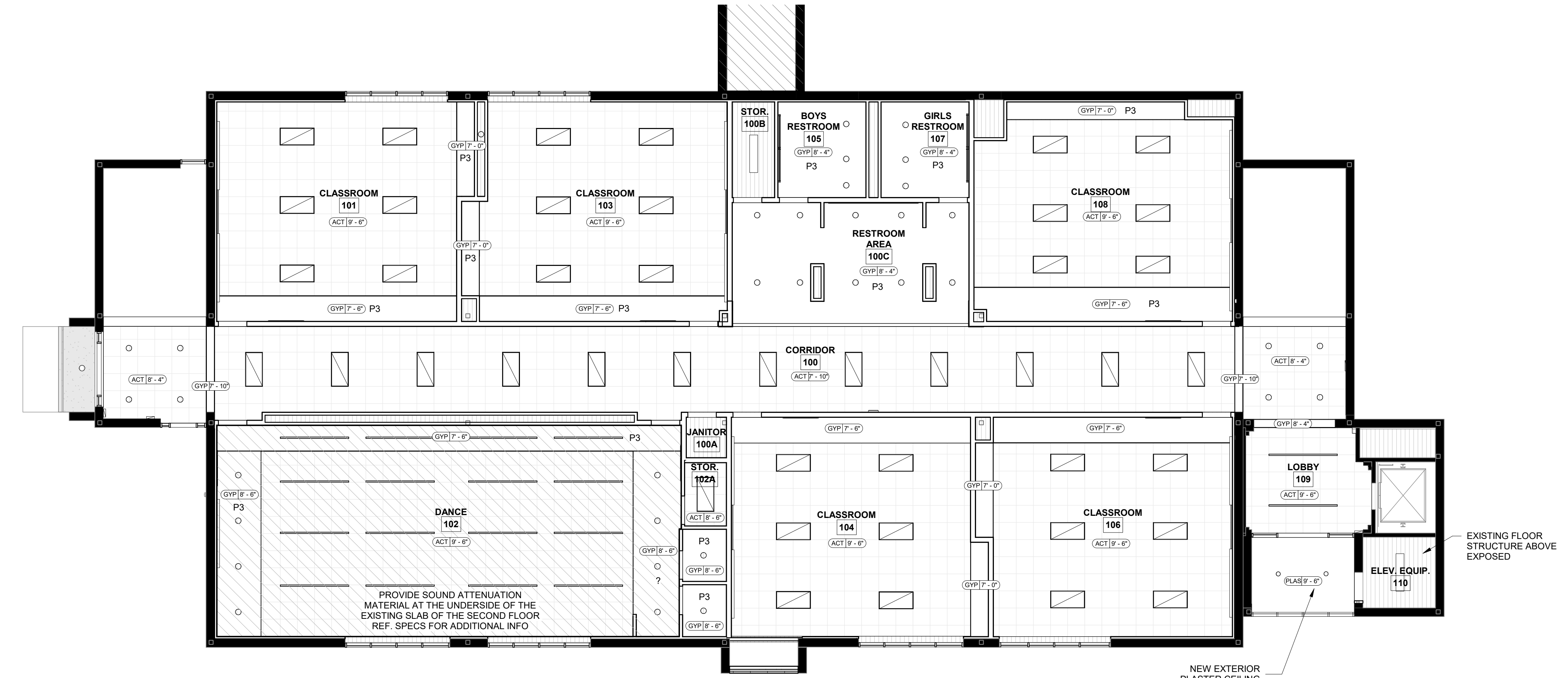
RCP SHEET NOTES



2 REFLECTED CEILING PLAN - LEVEL 2
1/8" = 1'-0"

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	2' x 4' LED LIGHTING
	C - RECESSED CAN FIXTURE
	24" X 24" SUPPLY DIFFUSER
	24" X 24" RETURN GRILLE
	SURFACE MOUNTED LINEAR FIXTURE
	8" RECESSED LINEAR FIXTURE



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

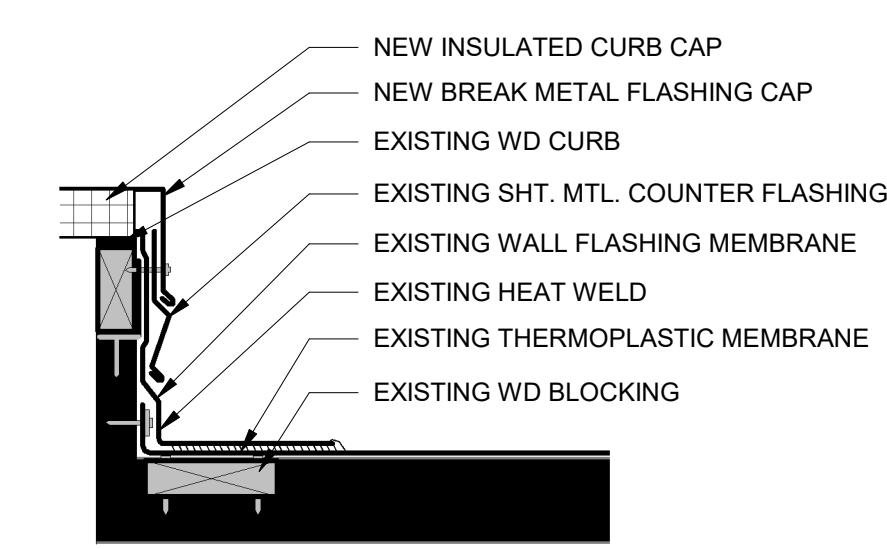
GENERAL ROOF PLAN NOTES

- REFER TO MEP FOR ALL ROOFTOP EQUIPMENT

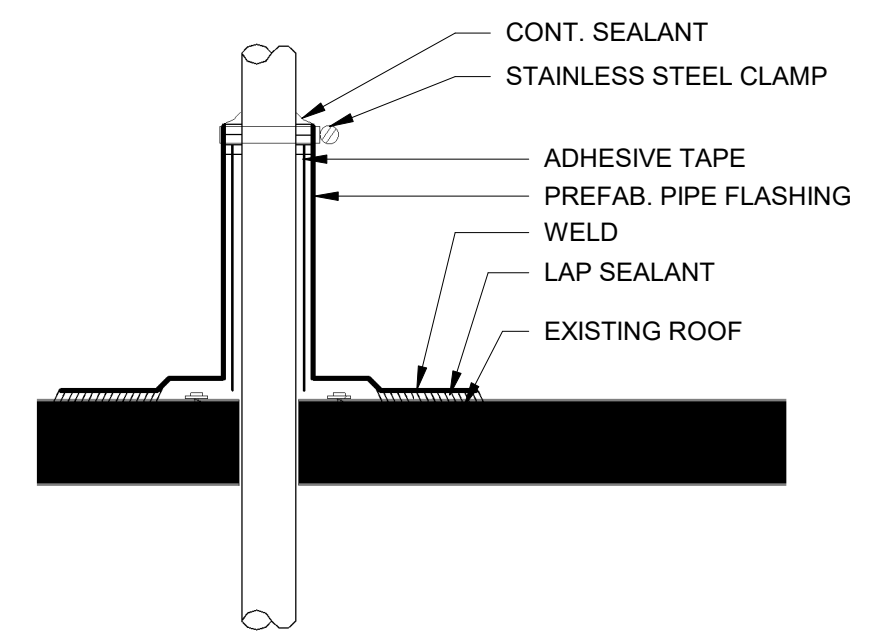
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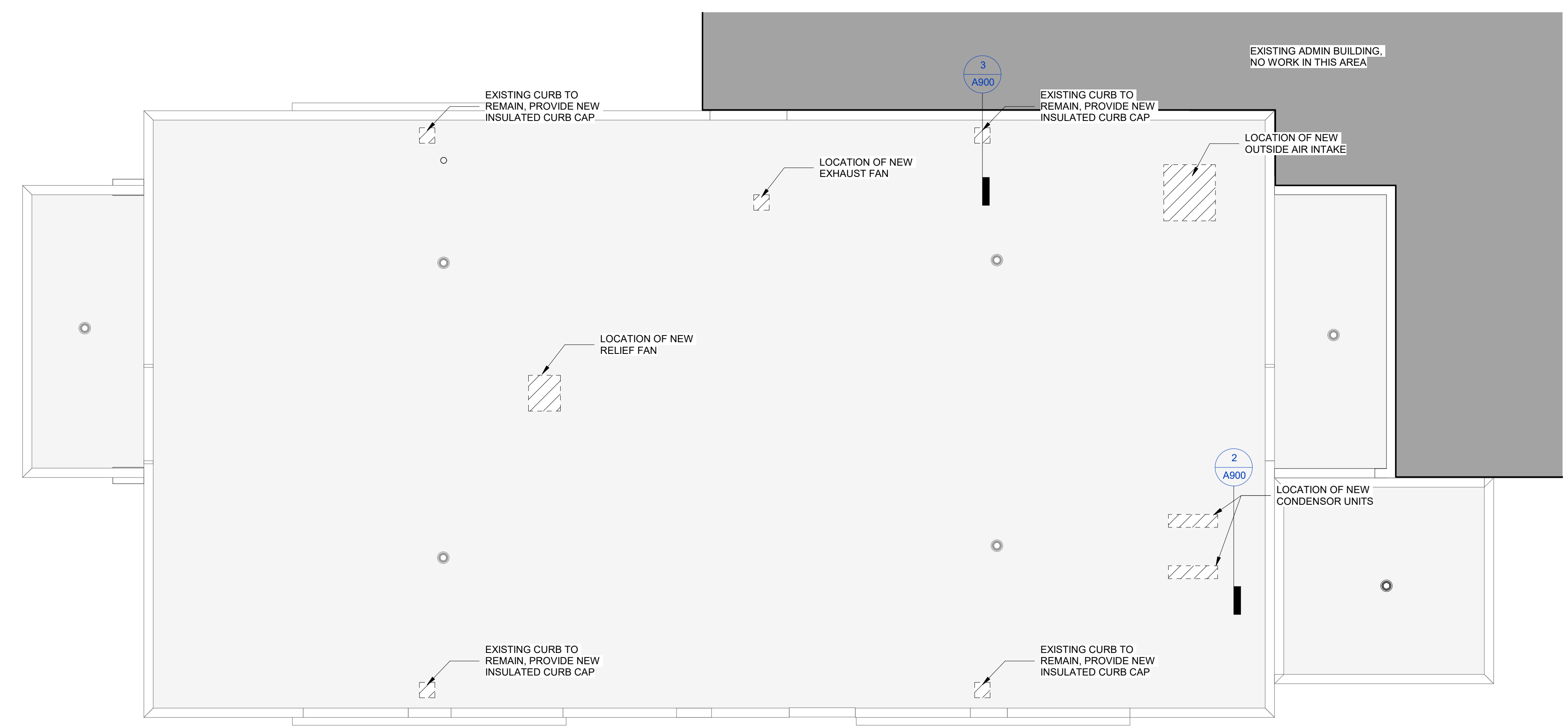
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NUMBER	DATE



3 ROOF - CURB DETAIL
1/12" = 1'-0" REF: A900/1



2 ROOF - PIPE PENETRATION
1/12" = 1'-0" REF: A900/1



1 ROOF PLAN
1/8" = 1'-0" REF: A900/1

PIPING SYMBOLS	
	PIPE UP
	PIPE DOWN
	PIPE CAP
	90° ELBOW
	RISE OR DROP IN ELEVATION
	TEE OR BRANCH CONNECTION
	TEE DOWN
	TEE DOWN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	CONDENSATE DRAIN LINE
	REFRIGERANT LINE
	15 PSIG STEAM
	50 PSIG STEAM
	80 PSIG STEAM
	LOW PRESSURE CONDENSATE
	PUMPED CONDENSATE RETURN
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	2 WAY CONTROL VALVE
	3 WAY CONTROL VALVE
	2 WAY SOLENOID VALVE
	3 WAY SOLENOID VALVE
	BALANCING VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	SAFETY VALVE
	ANGLE VALVE
	STRAINER
	STRAINER W/ BLOWDOWN
	PIPE REDUCER
	PETE'S PLUG
	FLEXIBLE CONNECTION
	UNION
	COMPANION FLANGE
	AIR VENT - AUTOMATIC
	AIR VENT - MANUAL
	THERMOMETER
	PRESSURE GAUGE W/ GAUGE COCK
	FLOW METER
	PIPE ANCHOR
	PIPE EXPANSION JOINT
	PIPE GUIDE
	STEAM TRAP

NOTE: NOT ALL SYMBOLS MAY BE USED IN THIS PROJECT.

ABBREVIATIONS	
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CV	CONSTANT VOLUME
EAT	ENTERING AIR TEMPERATURE
(ETR)	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST AIR
°F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FSD	COMBINATION FIRE SMOKE DAMPER
FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
HP	HORSE POWER
IN	INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MVD	MANUAL VOLUME DAMPER
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY OR MODEL)
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
QTY	QUANTITY
RLF	RELIEF
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE (INCHES OF WATER)
TP	TOTAL PRESSURE (INCHES OF WATER)
TYP	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THIS PROJECT.

MECHANICAL SYMBOLS	
	CEILING DIFFUSERS WITH ROUND RIGID DUCT CONNECTION
	CEILING DIFFUSERS WITH ROUND FLEX DUCT CONNECTION
	CEILING SUPPLY AIR DEVICE (24x24 AND 12x12)
	CEILING RETURN AIR DEVICE (24x24 AND 12x12)
	CEILING EXHAUST AIR DEVICE (24x24 AND 12x12)
	1-WAY THROW CEILING AIR DEVICE
	2-WAY THROW CEILING AIR DEVICE
	3-WAY THROW CEILING AIR DEVICE
	SIDEWALL EXHAUST OR RETURN AIR GRILLE OR REGISTER
	SIDEWALL SUPPLY REGISTER
	MANUAL VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	SMOKE DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	FLEXIBLE DUCT CONNECTION
	DUCT TRANSITION
	DUCT TRANSITION FROM RECTANGULAR TO ROUND
	DUCT RISE IN DIRECTION OF AIRFLOW
	DUCT DROP IN DIRECTION OF AIRFLOW
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EXCEPT TRANSFER AIR SOUND ELBOW)
	LONG RADIUS DUCT ELBOW
	AIR DUCT SPLITTER
	ACOUSTICAL FIBER FREE LINED DUCT
	BRANCH CONNECTION TO MAIN WITH VOLUME DAMPER (ALL BRANCH DUCTWORK TO AIR DEVICE SHALL HAVE VOLUME DAMPERS UNLESS OTHERWISE NOTED)

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

	SUPPLY DUCT UP / DOWN
	RETURN DUCT UP / DOWN
	EXHAUST DUCT UP / DOWN
	INDICATES 24"x24" RECTANGULAR DUCT INDICATES 12" ROUND DUCT INDICATES 24"x24" FLAT OVAL
	ACCESS DOOR
	THERMOSTAT OR TEMPERATURE SENSOR (RE: CONTROLS)
	HUMIDISTAT OR HUMIDITY SENSOR (RE: CONTROLS)
	MAGNAHELIC GAUGE
	STATIC PRESSURE SENSOR
	CARBON DIOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	OCCUPANCY SENSOR (REFER TO ELECTRICAL FOR MORE INFO)
	THERMOSTAT CONTROL WIRE
	EXISTING TO BE DEMOLISHED
	EXISTING TO REMAIN
	NEW CONSTRUCTION
	CONNECT AT THIS POINT
	REMOVE TO THIS POINT
	AIR DEVICE TAG DENOTING CFM QUANTITY AND SCHEDULES TYPE A 15000 B 15000 E 15000
	EQUIPMENT TAG TU 1000 - CFM
	TERMINAL UNIT TAG TU = SINGLE DUCT FTU = FAN POWERED DDTU = DUAL DUCT SAV = SUPPLY AIR VALVE EAV = EXHAUST AIR VALVE
	EQUIPMENT CLEARANCE
	SECTION CALLOUT SYMBOL SECTION NUMBER - 1 SHEET NUMBER - M201
	GENERAL CALLOUT SYMBOL ENLARGED PLAN DETAIL NUMBER - 1 ENLARGED PLAN SHEET NUMBER - M201

- ### GENERAL NOTES
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS.
 - ALL EQUIPMENT, MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED AND INSTALLED AS OUTLINED IN THE SPECIFICATIONS AND THE DRAWINGS.
 - STANDARD DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.
 - DRAWING ARE SCHEMATIC IN NATURE. VERIFY DIMENSIONS AND EQUIPMENT LOCATIONS IN THE FIELD. CONTRACTOR SHALL VERIFY EXACT LOCATION AND CONFIGURATION OF EXISTING INSTALLATIONS TO REMAIN.
 - DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DUCTWORK AND PIPING WITH OTHER TRADES AND PROVIDING OFFSETS IN DUCTWORK AND PIPING AS REQUIRED. ALL DUCTWORK SHALL BE ROUTED AS CLOSE TO STRUCTURE AS POSSIBLE WITH MAIN TRUNK DUCTS ABOVE BRANCH DUCTS TO CEILING AIR DEVICES.
 - COORDINATE MECHANICAL EQUIPMENT ABOVE CEILING WITH LIGHT FIXTURES, ELECTRICAL EQUIPMENT, AND PIPING TO CODE REQUIRED CLEARANCE AND MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR MAINTENANCE.
 - COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
 - MAJOR EQUIPMENT SHOWN ON THE PLANS AND ELEVATIONS ILLUSTRATE THE GENERAL ARRANGEMENT AND SPACE ALLOCATIONS. THE CONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT INSTALLED.
 - SIZE RIGID ROUND AND FLEX DUCT RUN-OUTS TO DIFFUSERS IN ACCORDANCE WITH THE AIR DEVICE RUNOUT SCHEDULE. ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PROVIDE APPROVED FIRE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE PROOF CAULKING MATERIAL.
 - PROVIDE SMOKE DETECTORS AS INDICATED ON THE MECHANICAL PLANS AND AS REQUIRED BY NFPA 90A AND LOCAL CODES. COORDINATE WITH FIRE ALARM TRADE.
 - CEILING SUPPLY AIR DIFFUSERS ARE FOUR WAY THROW UNLESS NOTED ON THE DRAWINGS WITH FLOW ARROWS. REFER TO AIR DEVICE SCHEDULE FOR ADDITIONAL INFORMATION.
 - PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COLS, FANS, CONTROLS, ETC. REFER TO SPECIFICATIONS AND COORDINATE WITH ARCHITECTURAL ACCESS RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.
 - ALL DUCTWORK SIZES SHOWN ARE CLEAR NET INSIDE DIMENSION IN INCHES. SUPPLY, RETURN AND EXHAUST DUCTWORK ARE EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. CONTRACTOR IS REQUIRED TO COORDINATE ACTUAL DUCT ROUTING AND SIZING AS NECESSARY FOR MAINTAINING REQUIRED CLEARANCES IN COORDINATION WITH OTHER TRADES. RESIZING OF DUCT, IF NECESSARY, SHALL BE BASED ON EQUAL FRICTION METHOD. REFER TO SPECIFICATIONS.
 - ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED.
 - PROVIDE ALL NECESSARY MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT, ETC., AS REQUIRED TO ADEQUATELY SUPPORT THE MECHANICAL PIPING, DUCTWORK, AND EQUIPMENT. COORDINATE WITH STRUCTURAL.
 - FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. COORDINATE WITH ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
 - THE CONTRACTOR SHALL COORDINATE WORK AFFECTING OCCUPIED AREAS OUTSIDE OF THE SCOPE OF WORK AREA WITH THE OWNER. EXISTING UTILITIES PASSING THROUGH THE SCOPE OF WORK AREA ARE TO REMAIN IN SERVICE THROUGHOUT THE PROJECT. RELOCATION AND INTERRUPTION OF EXISTING SERVICES ARE TO BE CLOSELY COORDINATED WITH THE BUILDING OWNER TO MEET THE REQUIREMENTS OF THE HOSPITAL AND BUILDING SCHEDULE. THE CONTRACTOR'S BID SHALL INCLUDE COST FOR OVERTIME WORK AS REQUIRED TO ACCOMMODATE THE OWNER'S OPERATING SCHEDULE.
 - REFER TO ARCHITECTURAL CEILING PLANS FOR CEILING TYPES AND COORDINATE EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES. COORDINATE AIR DEVICE MOUNTING TYPE WITH CEILING CONSTRUCTION.
 - REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES WHERE THE ARCHITECT HAS INDICATED ITEMS.
 - MAINTAIN NEC CLEARANCE REQUIREMENTS ON ENERGIZED EQUIPMENT.
 - PROVIDE MANUAL DAMPER FOR ALL BRANCH DUCTS AND AIR DEVICES.
 - PROVIDE TURNING VANES IN ALL MITERED SQUARE ELBOWS WITH EXCEPTION OF TRANSFER AIR SOUND ELBOWS.
 - SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.



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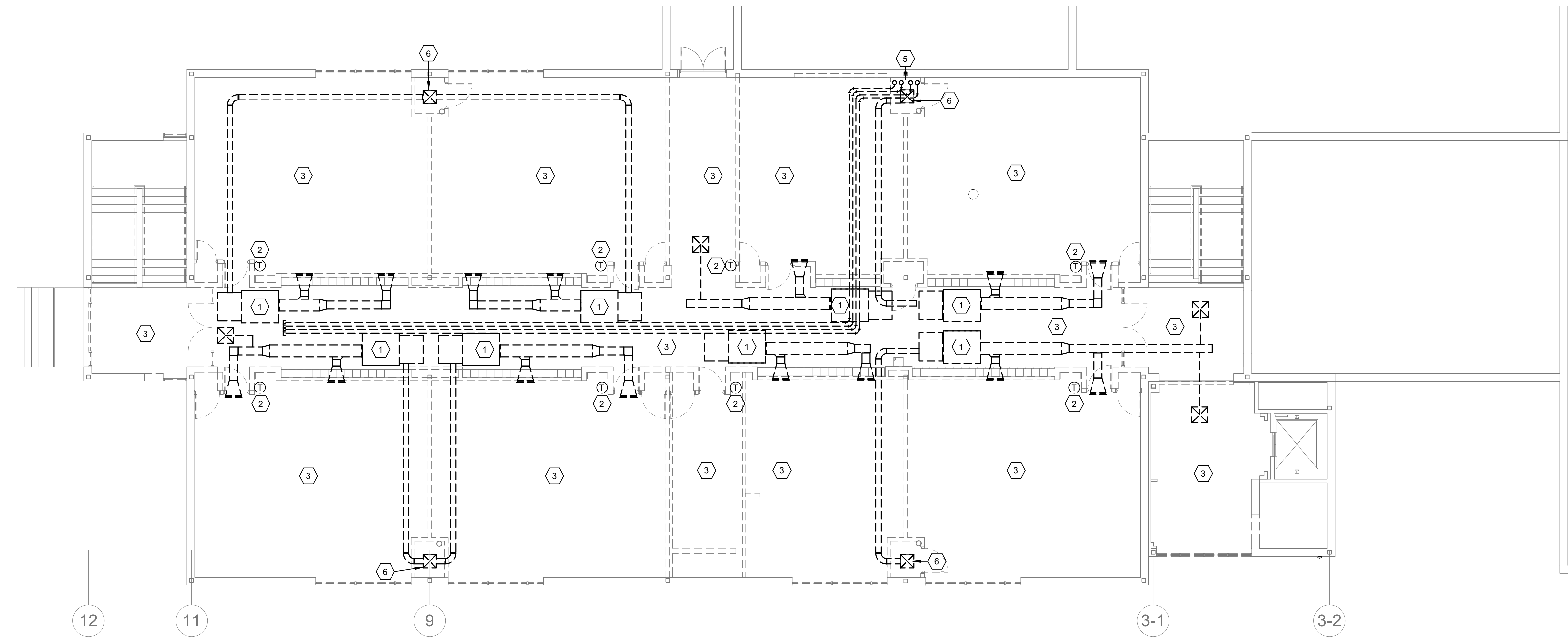
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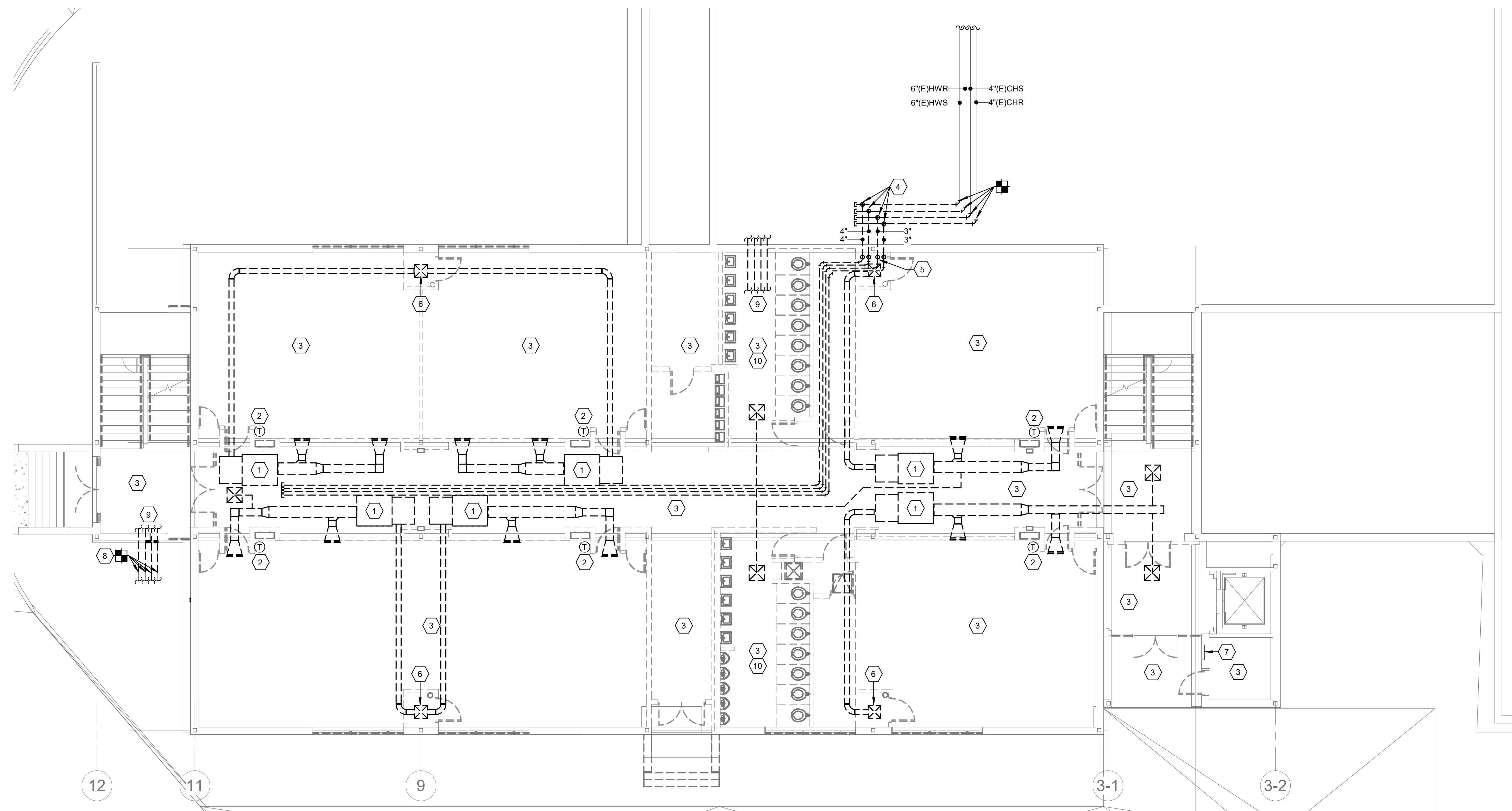
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800 S. COULTER DR. BRYAN, TX 77803
MECHANICAL GENERAL INFORMATION

Project Number:
201928
Sheet issue date:
2020-05-21

M001



2 MECHANICAL DEMOLITION FLOOR PLAN LEVEL 2
1/8" = 1'-0"



1 MECHANICAL DEMOLITION FLOOR PLAN LEVEL 1
1/8" = 1'-0"

GENERAL NOTES

A. PATCH ALL WALL AND ROOF OPENINGS NOT TO BE REUSED TO MATCH EXISTING. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.

SHEET KEYED NOTES

1. EXISTING AIR HANDLING UNIT, PIPING AND ALL ASSOCIATED COMPONENTS TO BE DEMOLISHED. COORDINATE WITH ELECTRICAL AND PLUMBING CONTRACTORS.
2. EXISTING THERMOSTAT, WIRING AND ASSOCIATED COMPONENTS TO BE DEMOLISHED. REFER TO ARCHITECTURAL FOR MORE INFORMATION.
3. ALL EXISTING HVAC, PIPING, EQUIPMENT, SUPPORTS, AIR DEVICES, DUCTWORK AND ALL ASSOCIATED COMPONENTS IN THIS AREA TO BE DEMOLISHED.
4. DEMOLISH PIPE BACK TO MAINS AND CAP.
5. DEMOLISH ALL CHS/R AND HWS/R RISERS AND ALL HVAC PIPING SERVING ANNEX BUILDINGS.
6. OUTSIDE AIR RISER AND ASSOCIATED COMPONENTS TO EXISTING ROOF INTAKE TO BE DEMOLISHED. PROVIDE CURB WITH INSULATED SHEETMETAL CAP.
7. CAP EXISTING LOUVER WITH INSULATED SHEETMETAL PANEL.
8. CAP PIPING AT POINT SHOWN. FIELD VERIFY EXACT LOCATION.
9. DEMOLISH ALL ABANDONED CHS/R, HWS/R AND ASSOCIATED COMPONENTS IN ANNEX BUILDING CRAWL SPACE.
10. DEMOLISH EXISTING EXHAUST SYSTEMS IN RESTROOM AREAS.



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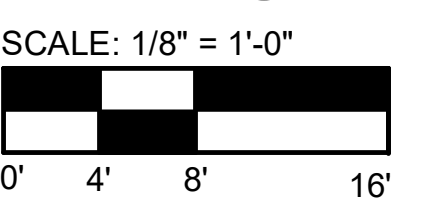
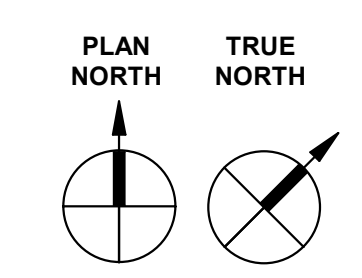
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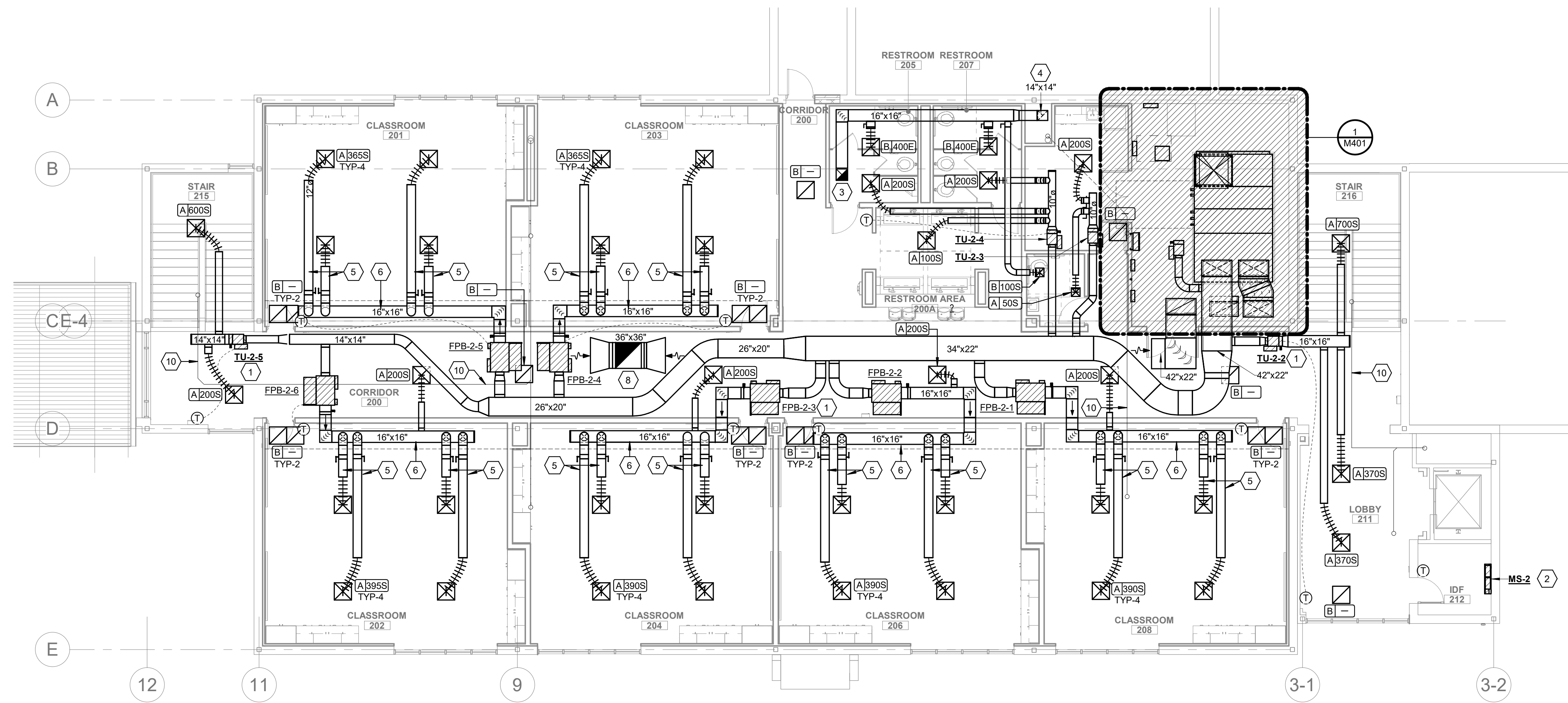
800 S. COULTER DR. BRYAN, TX 77803

MECHANICAL DEMOLITION PLAN

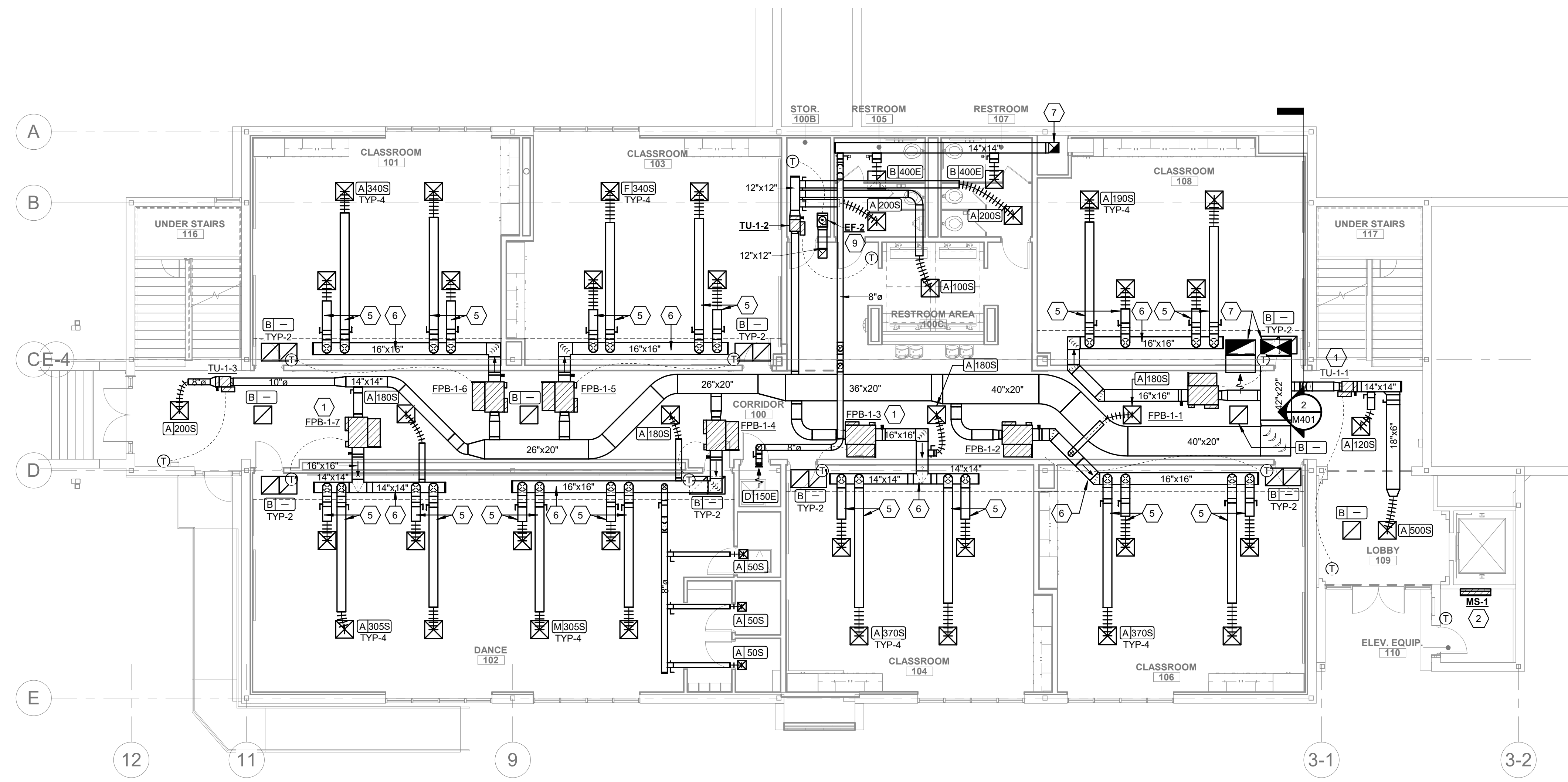
Project Number:
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Sheet issue date:
2020-05-21



M101



② MECHANICAL FLOOR PLAN LEVEL 2
1/8" = 1'-0"



① MECHANICAL FLOOR PLAN LEVEL 1
1/8" = 1'-0"

GENERAL NOTES

- A. CONTRACTOR TO VERIFY DUCTWORK ROUTING WITH STRUCTURAL AND OTHER TRADES.
- B. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- C. MAINTAIN EQUIPMENT MANUFACTURER'S RECOMMENDED ACCESS CLEARANCES.
- D. COORDINATE ALL CEILING AIR DEVICES WITH ELECTRICAL LIGHTING AND ARCHITECTURAL REFLECTED CEILING PLAN, FIRE SPRINKLER HEADS AND FIRE ALARM DEVICES.
- E. PROVIDE YOUNG REGULATORS AT MANUAL VOLUME DAMPERS AT INACCESSIBLE CEILINGS.

SHEET KEYED NOTES

- 1. TERMINAL UNIT ABOVE CEILING SUSPENDED FROM EXISTING STRUCTURE (TYPICAL).
- 2. HIGH WALL MINI-SPLIT UNIT MOUNTED 7'-0" A.F.F. COORDINATE LOCATION WITH OTHER TRADES.
- 3. DUCT UP TO EXHAUST FAN ON ROOF. REFER TO M202 FOR CONTINUATION.
- 4. EXHAUST DUCT DOWN TO LEVEL BELOW. COORDINATE RISER WITH EXISTING AND OTHER TRADES. REFER TO 1M201 FOR CONTINUATION.
- 5. ROUTE BRANCH DUCT BETWEEN EXISTING JOIST. FIELD VERIFY EXACT ROUTING.
- 6. ROUTE DUCT IN CLASSROOM FURR-DOWN. REFER TO ARCHITECTURAL FOR MORE INFORMATION.
- 7. DUCT UP TO LEVEL ABOVE. REFER TO 2M201 FOR CONTINUATION.
- 8. DUCT UP TO RELIEF FAN ON ROOF. REFER TO M202 FOR CONTINUATION.
- 9. IN-LINE EXHAUST FAN SUSPENDED FROM STRUCTURE. PROVIDE WITH HIGH LIMIT THERMOSTAT SET TO 78° DEGREES.
- 10. COORDINATE LOCATION OF HVAC EQUIPMENT AND PIPING WITH EXISTING STORM DRAINS TIGHT TO STRUCTURE.



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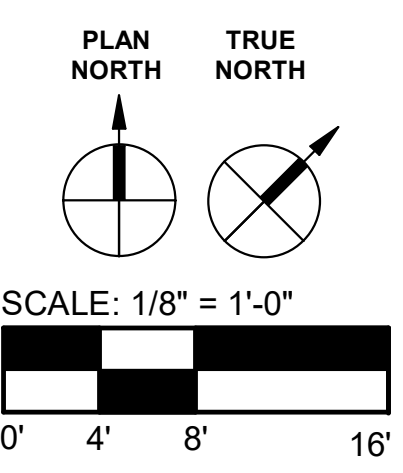
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BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
MECHANICAL FLOOR PLAN

Project Number:
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M201



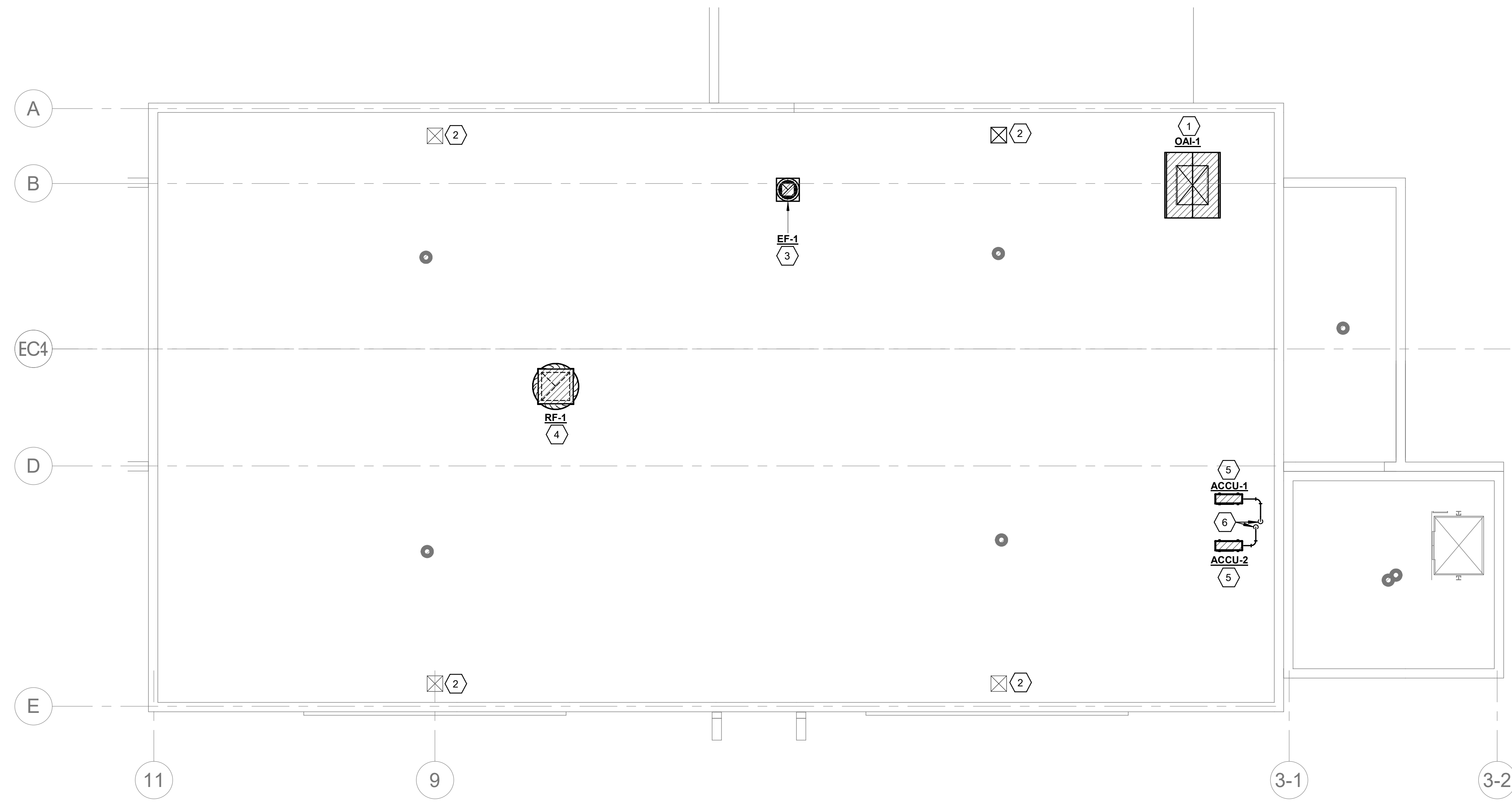
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NUMBER	DATE

GENERAL NOTES

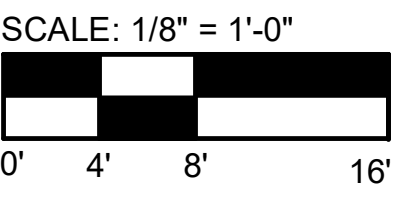
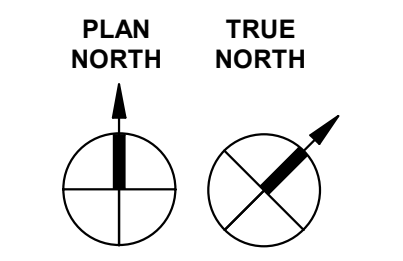
- A. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- B. DRAWINGS ARE SCHEMATIC IN NATURE; VERIFY DIMENSIONS AND EQUIPMENT LOCATIONS IN FIELD. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND UNIT CONFIGURATIONS.
- C. MAINTAIN EXHAUST AND PLUMBING VENTS 10'-0" FROM OUTSIDE AIR INTAKES. COORDINATE WITH PLUMBING.

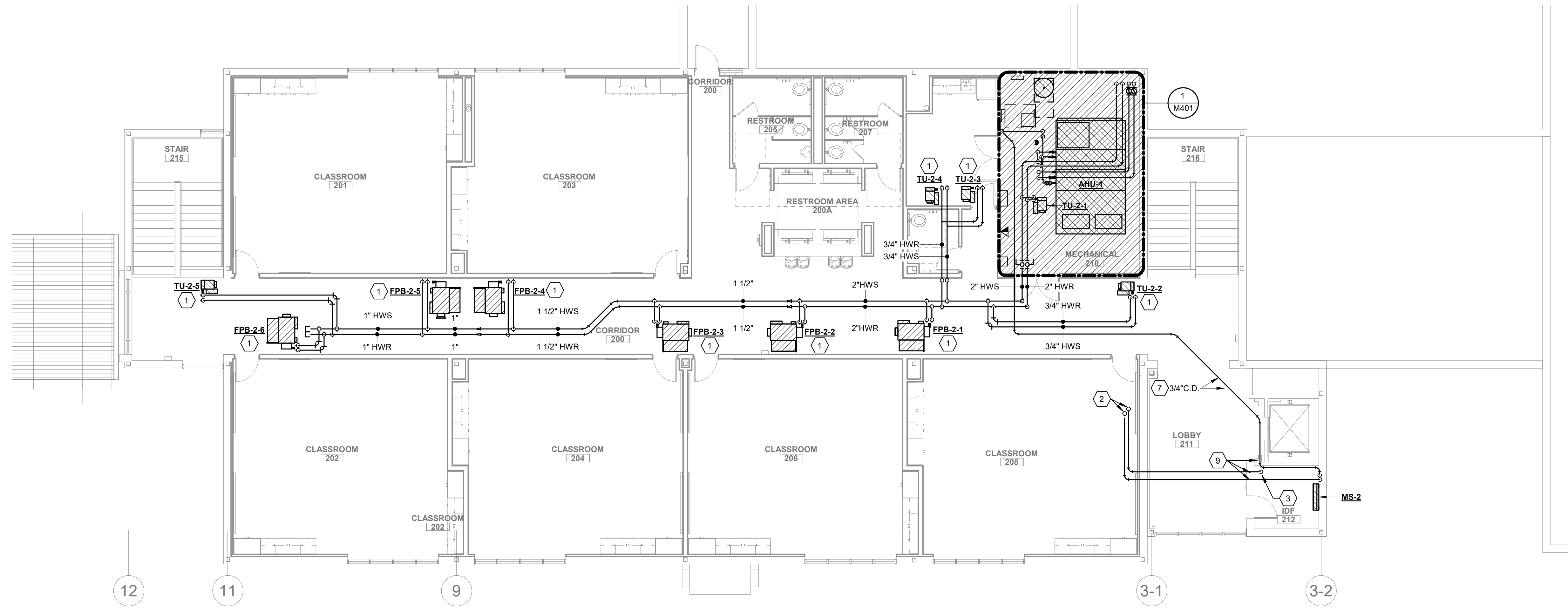
SHEET KEYED NOTES

- 1. NEW OUTSIDE AIR INTAKE ON ROOF.
- 2. CAP EXISTING CURB TO REMAIN WITH INSULATED CURB CAP.
- 3. NEW EXHAUST FAN ON ROOF.
- 4. NEW RELIEF FAN ON ROOF.
- 5. NEW AIR COOLED CONDENSING UNIT MOUNTED AND SECURED TO EQUIPMENT CURB.
- 6. REFRIGERANT PIPING TO LEVEL BELOW. REFER TO 2/M301 FOR CONTINUATION. REFER TO 6/M5.01.

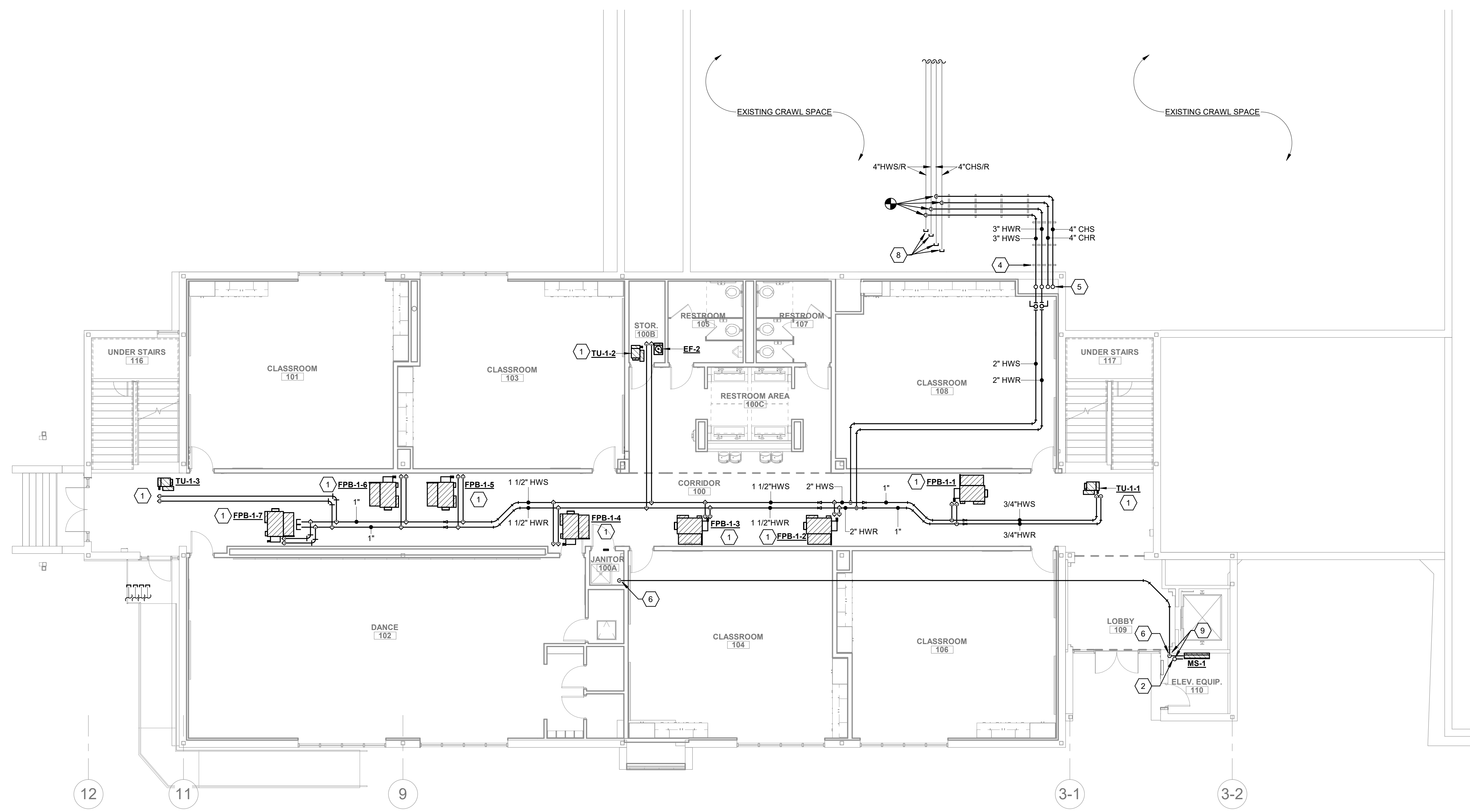


1 MECHANICAL ROOF PLAN
1/8" = 1'-0"





② MECHANICAL PIPING FLOOR PLAN LEVEL 2
1/8" = 1'-0"



① MECHANICAL PIPING FLOOR PLAN LEVEL 1
1/8" = 1'-0"

GENERAL NOTES

- A. CONTRACTOR TO VERIFY ROUTING WITH STRUCTURAL AND OTHER TRADES.
- B. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- C. MAINTAIN EQUIPMENT MANUFACTURER'S ACCESS CLEARANCES.

SHEET KEYED NOTES

1. CONNECT HEATING HOT WATER TO COIL TERMINAL UNIT. MAINTAIN MANUFACTURER'S CONTROL/ELECTRICAL PANEL CLEARANCES. PROVIDE NEXUS COIL CONNECTION VALVE PACKAGE OR EQUAL.
2. REFRIGERANT LINES FROM ROOF. SIZE LINES PER MANUFACTURER'S RECOMMENDATIONS. REFER TO M202 FOR CONTINUATION.
3. REFRIGERANT AND CONDENSATE DRAIN LINES DOWN TO LEVEL BELOW. REFER TO 1M201 AND 1M301 FOR CONTINUATION.
4. PIPING SUSPENDED FROM EXISTING STRUCTURE IN CRAWL SPACE. COORDINATE ROUTING WITH OTHER TRADES.
5. 4"CHS/R AND 3"HWS/R UP TO MECHANICAL ROOM ABOVE. REFER TO 1M401 FOR CONTINUATION.
6. 3/4" CONDENSATE DRAIN LINE FROM MINI-SPLIT CONDENSATE PUMP TO JANITOR ROOM 100A FLOOR DRAIN. PROVIDE 90 DEGREE ELBOW DOWN INTO FLOOR DRAIN. FIELD VERIFY ROUTING TO ENSURE MINIMUM SLOPE OF 1/8" PER FOOT IS PROVIDED. SUPPORT INSULATED CONDENSATE DRAIN LINE TO WALL.
7. 3/4" CONDENSATE DRAIN LINE TO MECHANICAL ROOM FLOOR DRAIN. PROVIDE 90 DEGREE ELBOW DOWN INTO FLOOR DRAIN. FIELD VERIFY ROUTING TO ENSURE MINIMUM SLOPE OF 1/8" PER FOOT IS PROVIDED. SUPPORT INSULATED CONDENSATE DRAIN LINE TO WALL.
8. CAP EXISTING PIPE AT POINT SHOWN.
9. SLEEVE AND SEAL PIPING WITH FIRE SAFE MATERIAL.



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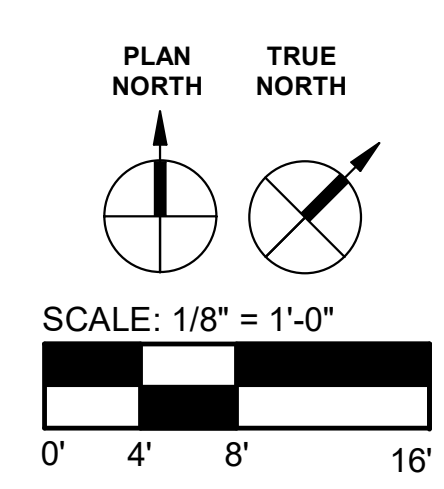
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BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
MECHANICAL PIPING FLOOR PLAN

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M301

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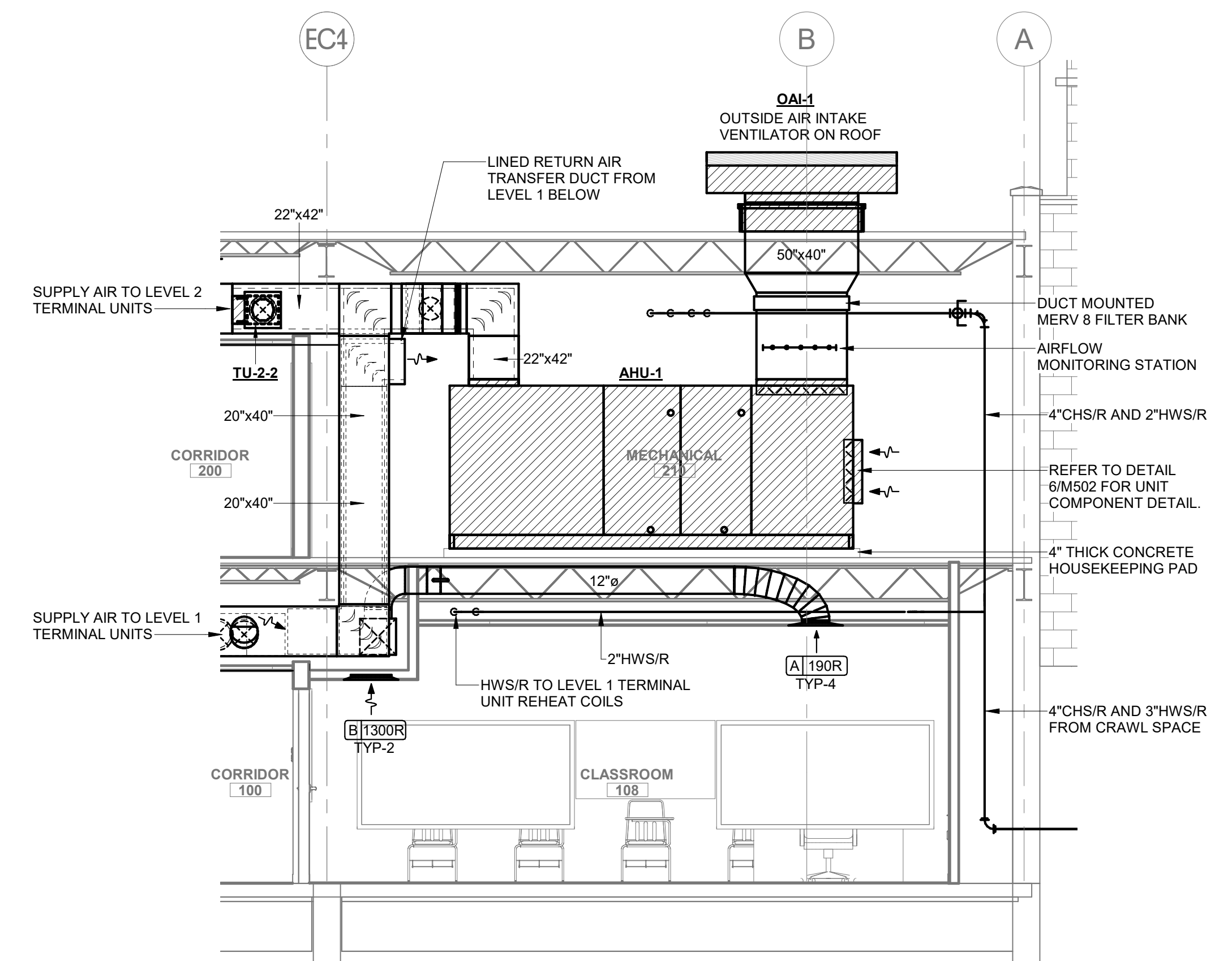
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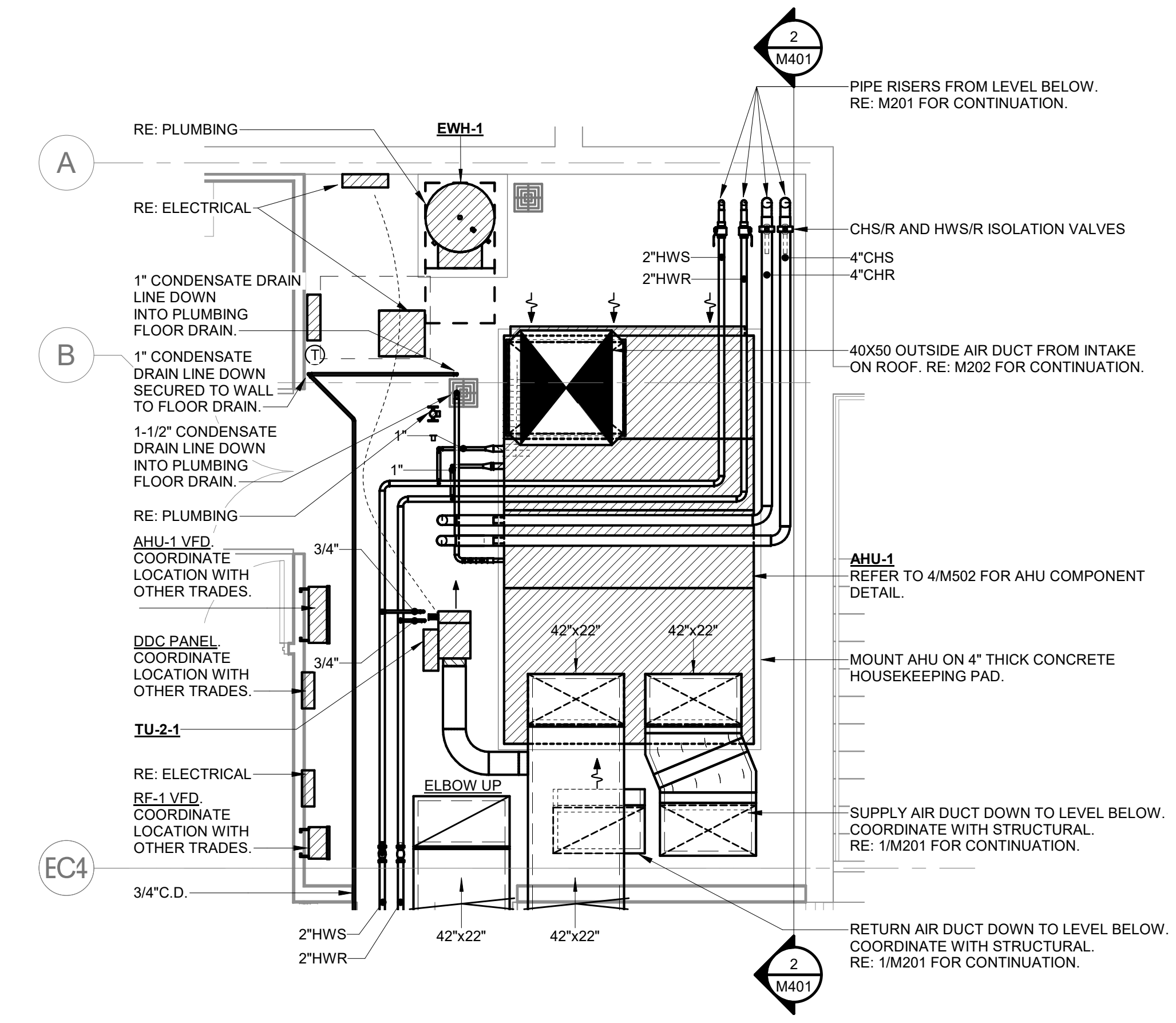
BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
MECHANICAL ENLARGED PLANS AND SECTIONS

Project Number:
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2020-05-21

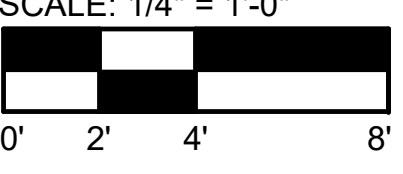
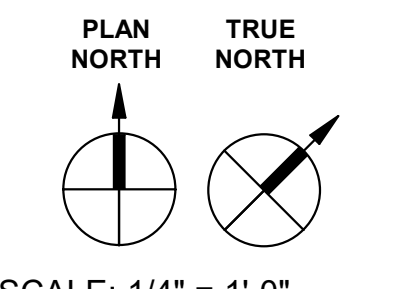
M401

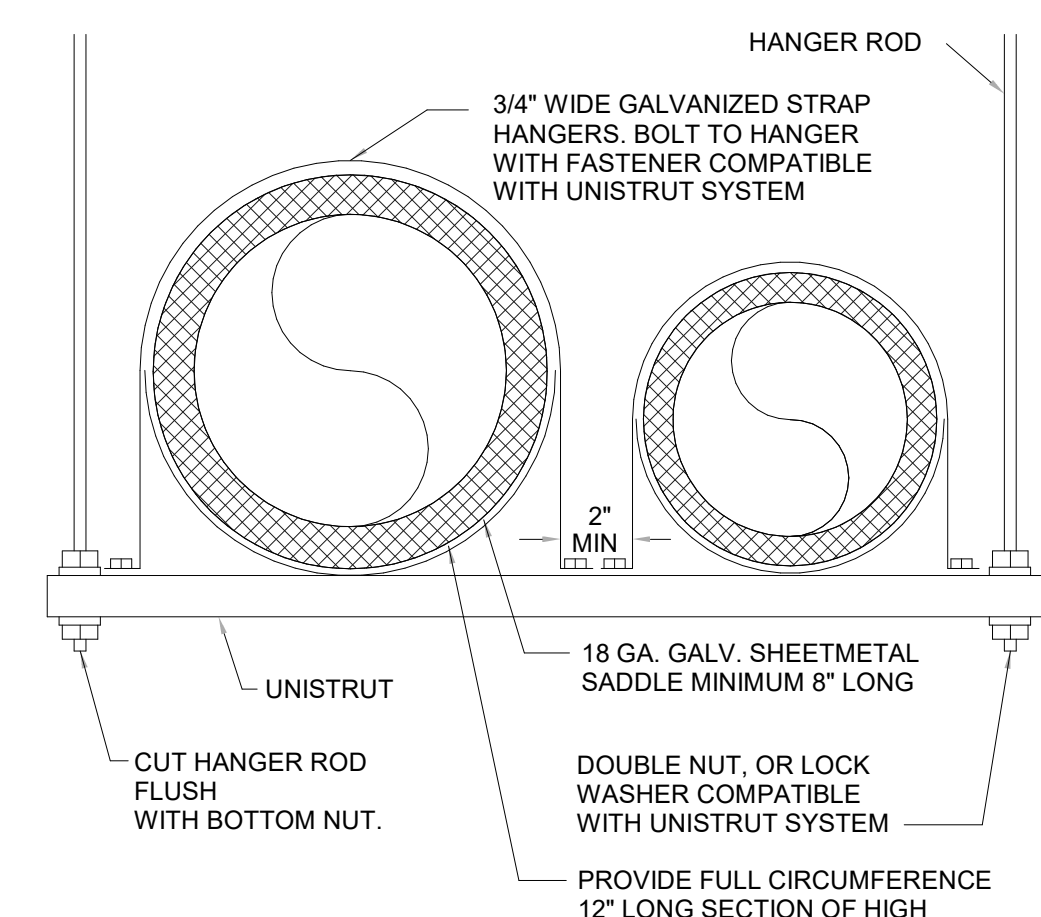


2 MECHANICAL SECTION - A
1/4" = 1'-0"



1 ENLARGED MECHANICAL ROOM
1/4" = 1'-0"

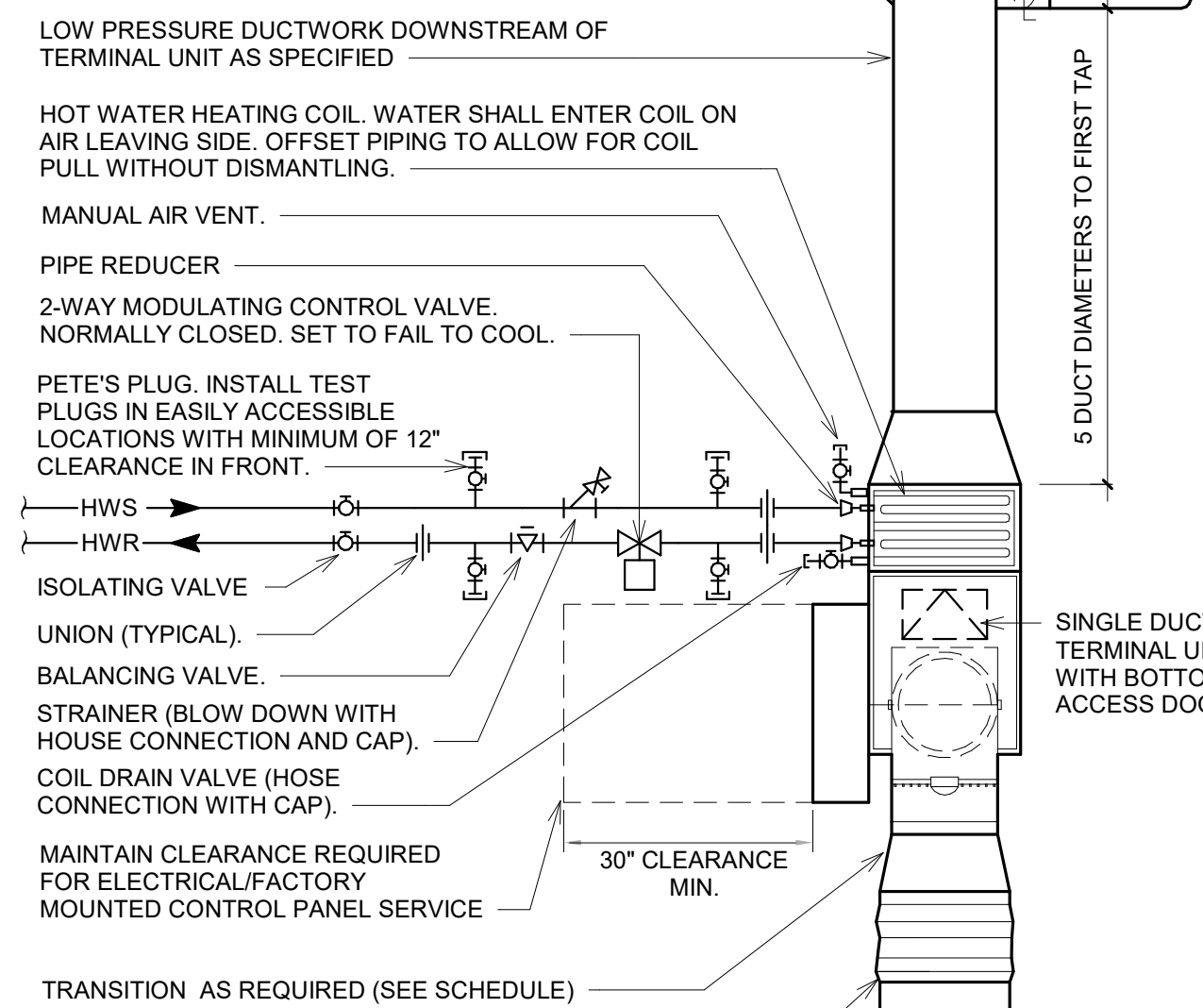




NOTES:

- 1) ALL UNISTRUT AND HARDWARE SHALL BE GALVANIZED.
- 2) SPACING OF HANGERS PER SPECIFICATIONS.

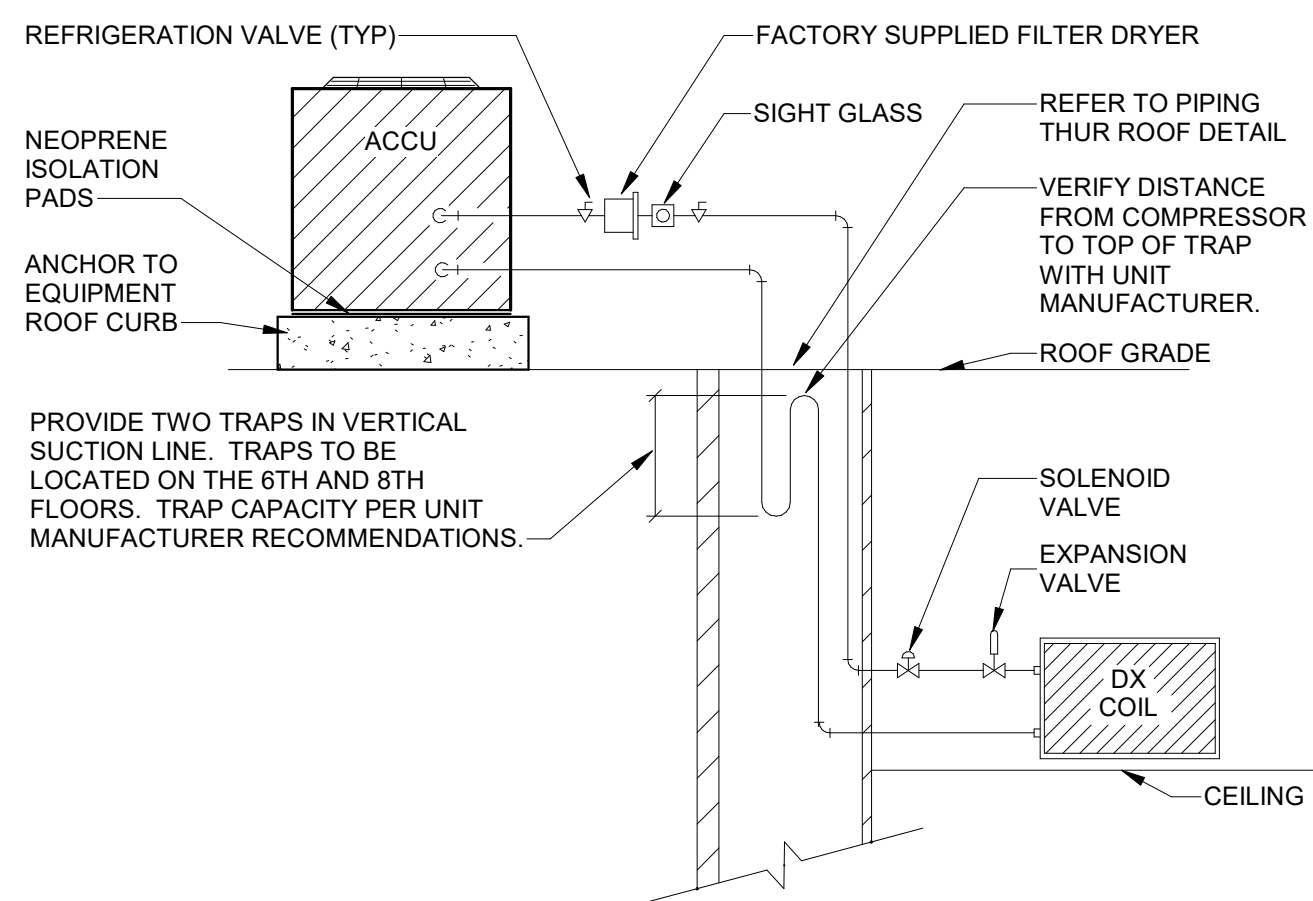
16 MULTIPLE PIPE HANGER
SCALE: N.T.S.



NOTES:

1. SPACING OF SUPPORTS PER SPECIFICATIONS.
2. IF PIPING IS LOCATED ON ROOF, ATTACH SUPPORT BASE TO ROOF MEMBRANE WITH MASTIC APPROVED FOR USE WITH ROOFING SYSTEM. REFER TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

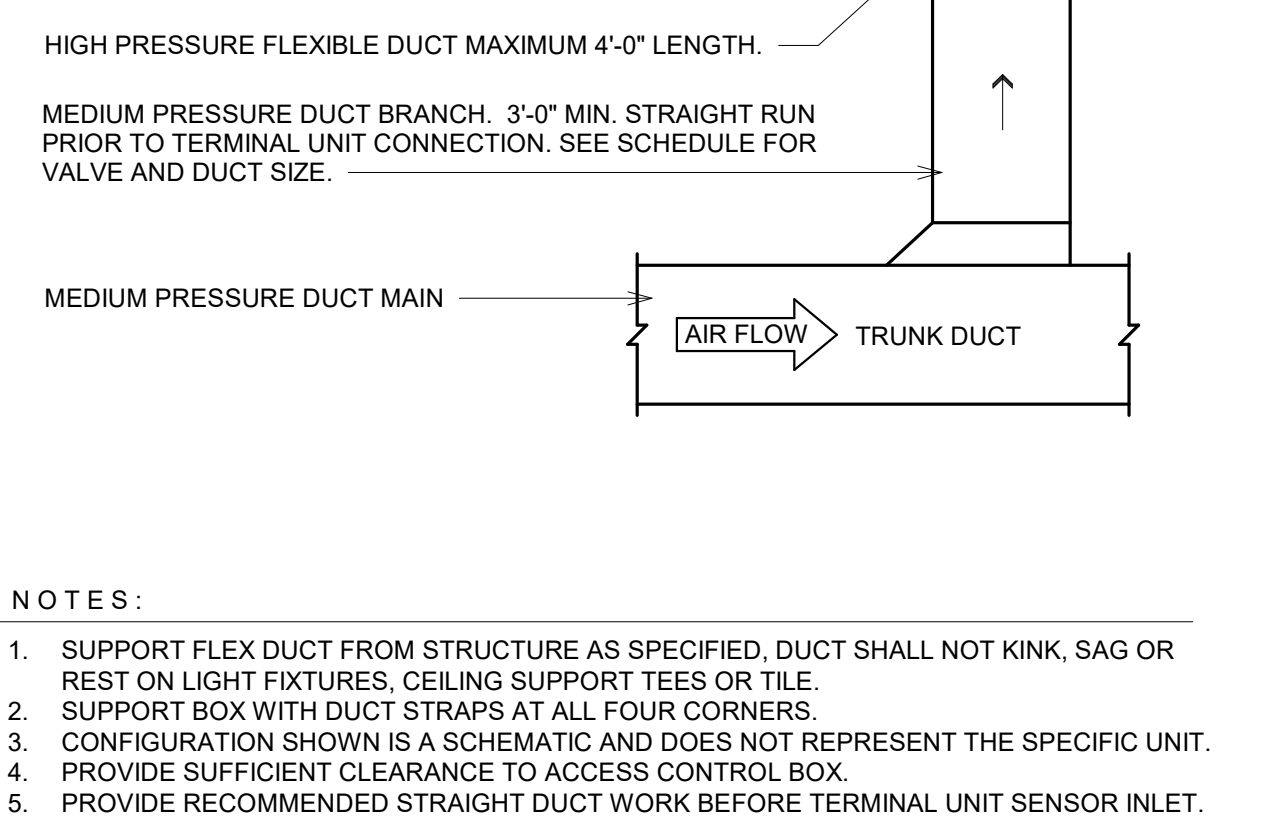
12 SINGLE PIPE SUPPORT
SCALE: N.T.S.



NOTES:

1. PRIOR TO INSTALLATION OF REFRIGERANT LINES, SUBMIT EXACT PIPING LAYOUT SHOWING ALL ELBOWS AND PIPE LENGTHS TO EQUIPMENT MANUFACTURER FOR VERIFICATION OF LINE SIZES.

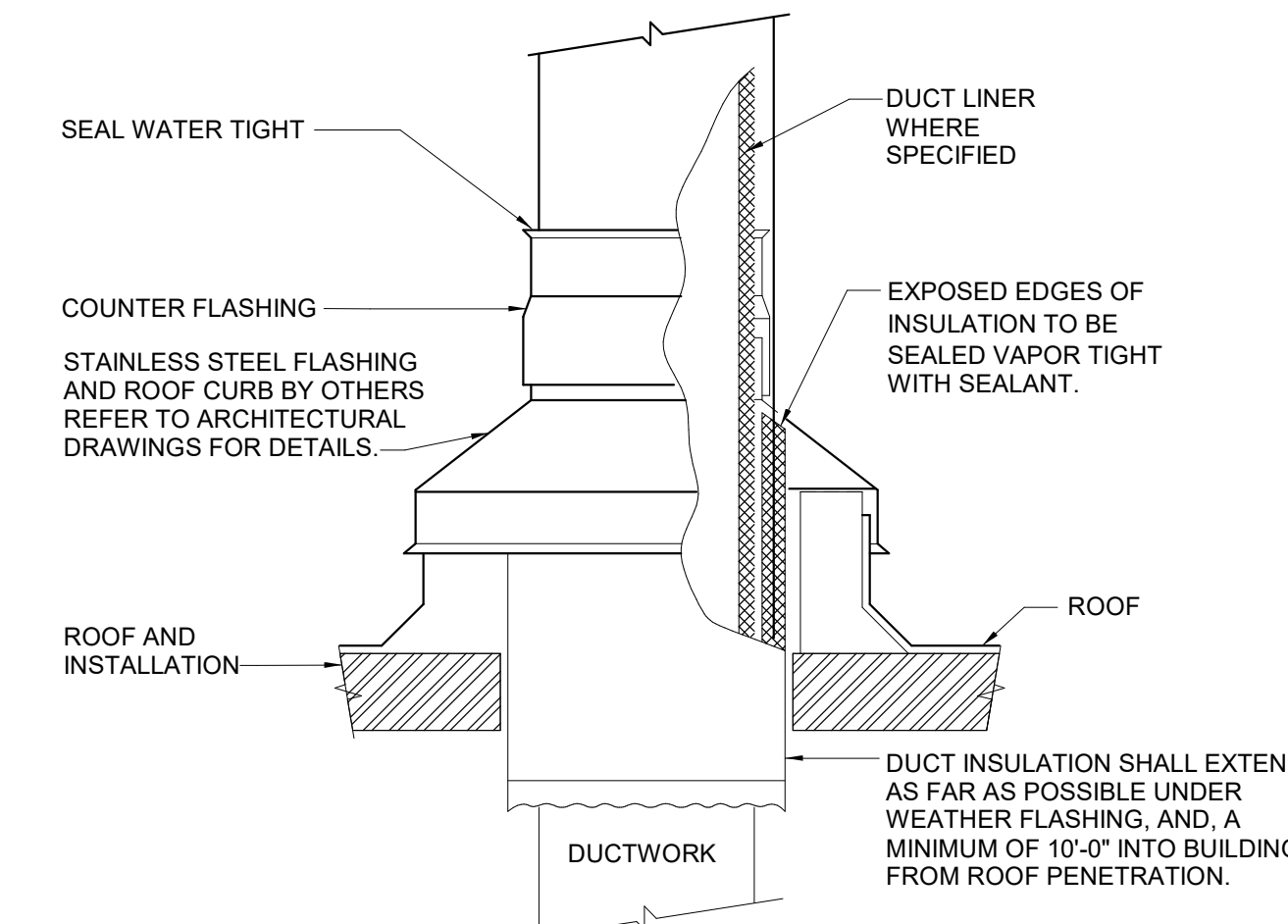
15 REFRIGERANT PIPING INSTALLATION
SCALE: N.T.S.



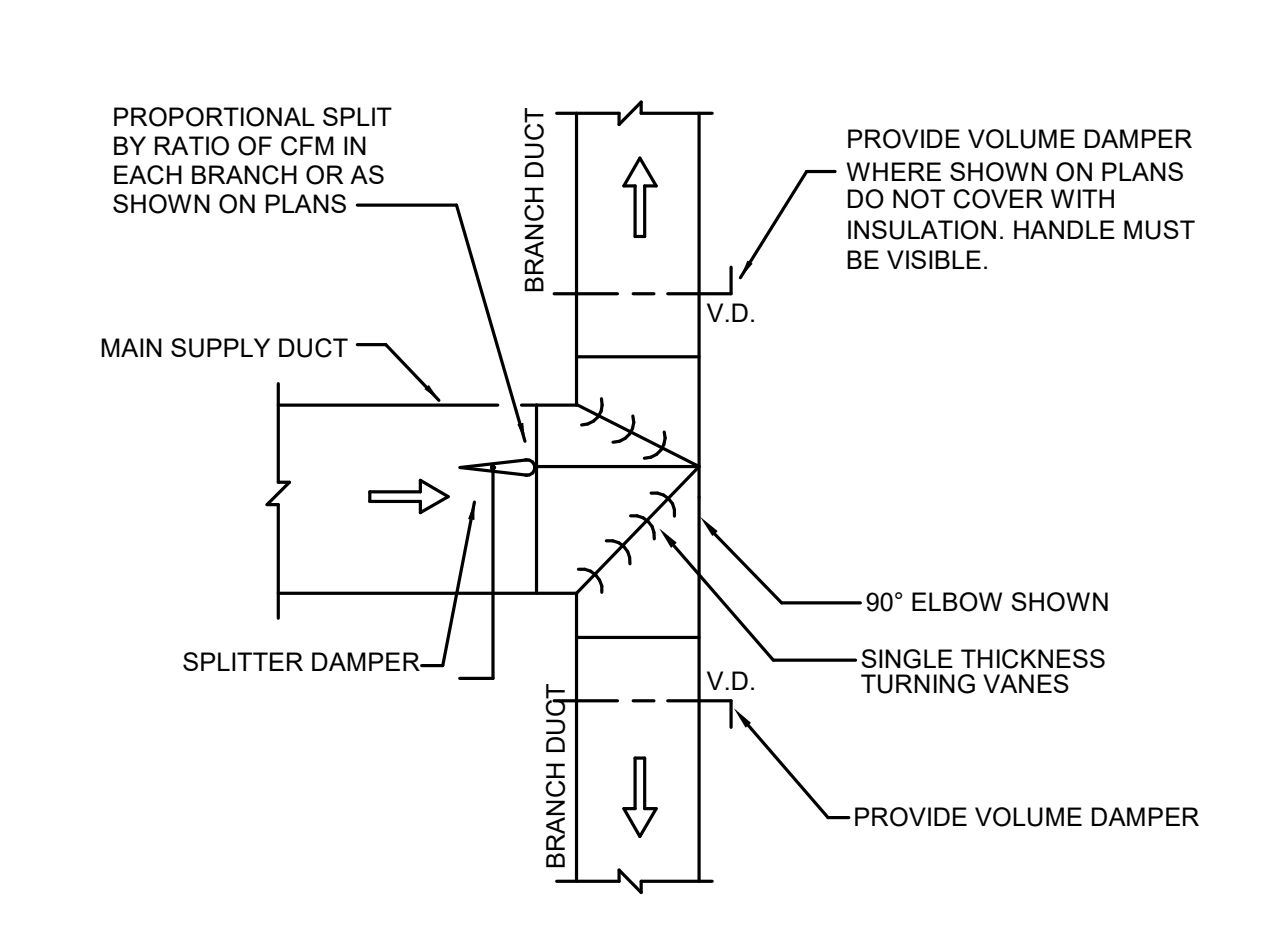
NOTES:

1. SUPPORT FLEX DUCT FROM STRUCTURE AS SPECIFIED, DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.
2. SUPPORT BOX WITH DUCT STRAPS AT ALL FOUR CORNERS.
3. CONFIGURATION SHOWN IS A SCHEMATIC AND DOES NOT REPRESENT THE SPECIFIC UNIT.
4. PROVIDE SUFFICIENT CLEARANCE TO ACCESS CONTROL BOX.
5. PROVIDE RECOMMENDED STRAIGHT DUCT WORK BEFORE TERMINAL UNIT SENSOR INLET.

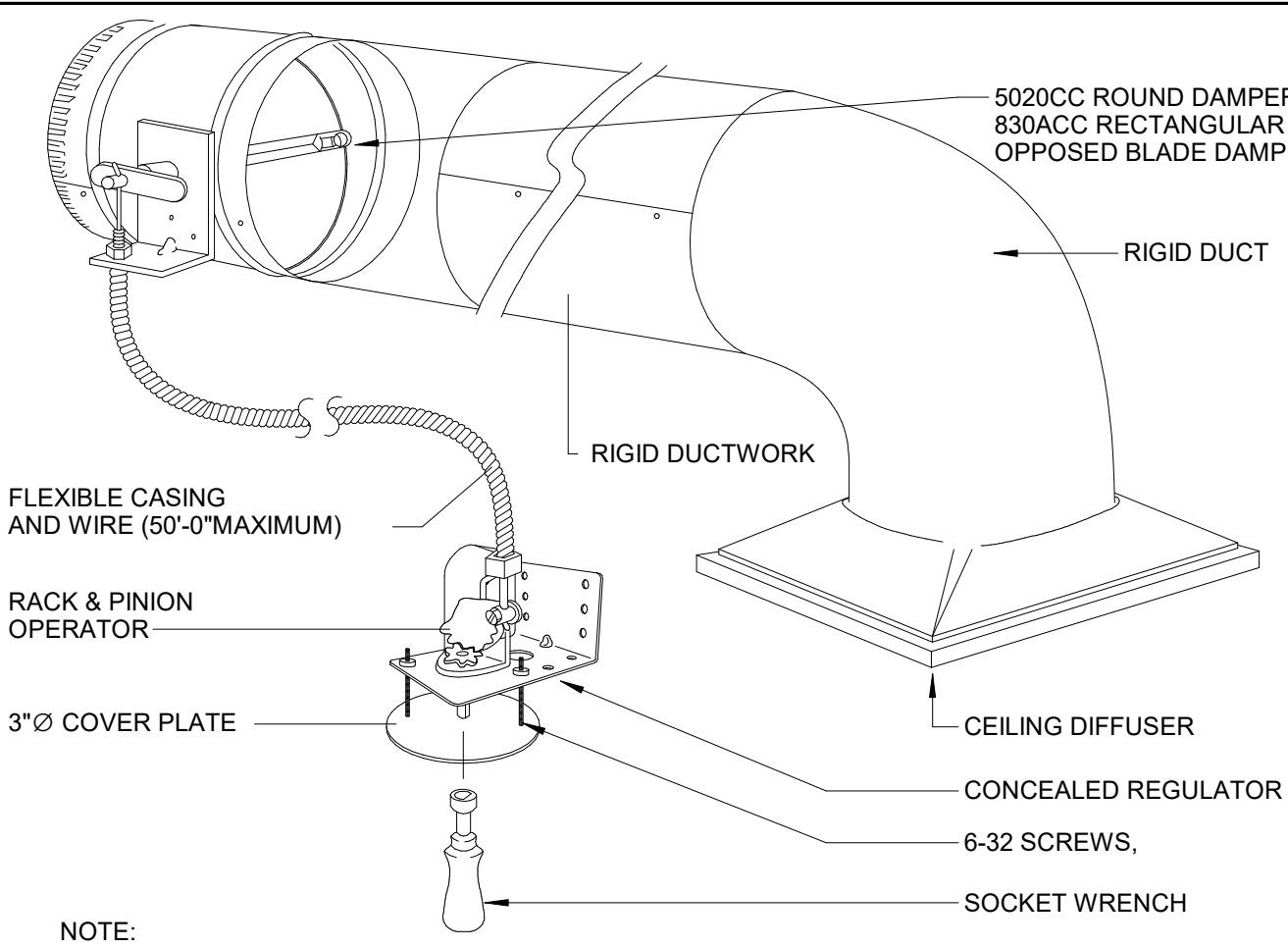
14 SINGLE DUCT TERMINAL UNIT - HOT WATER
SCALE: N.T.S.



11 DUCT PENETRATION THRU ROOF
SCALE: N.T.S.



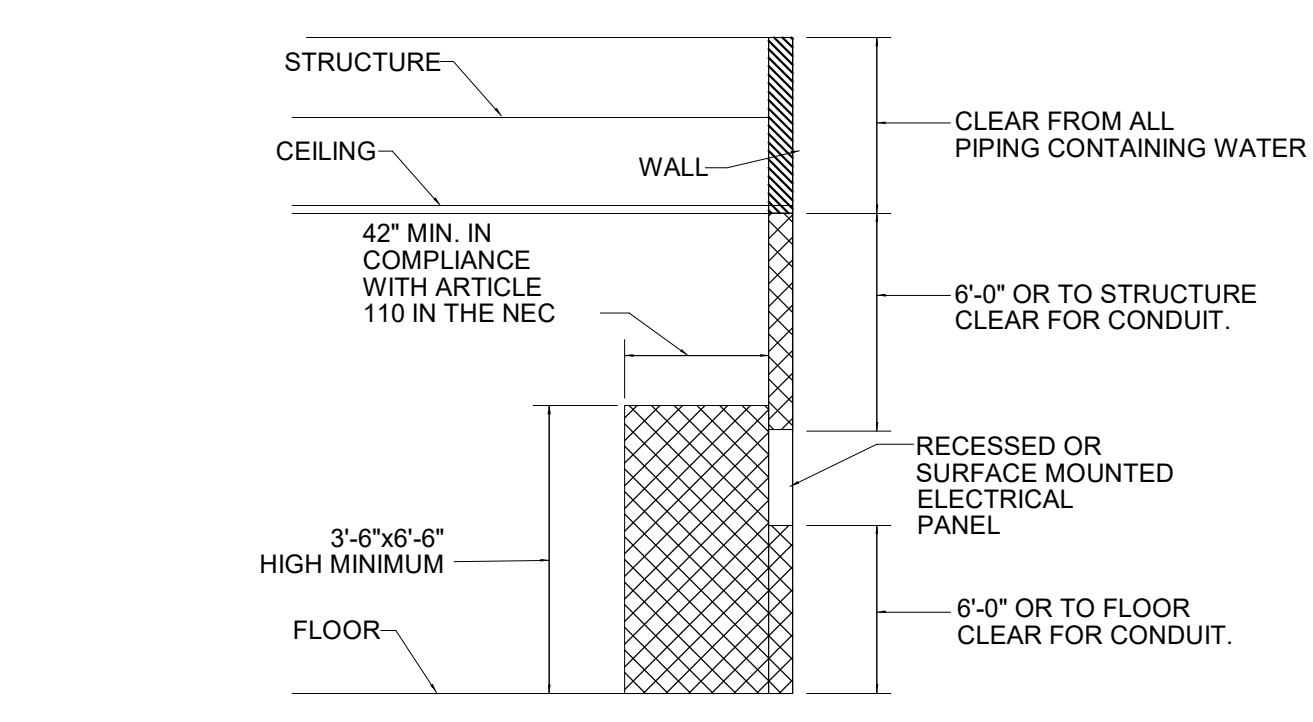
7 AIR DUCT SPLITTER DETAIL
SCALE: N.T.S.



NOTE:

1. THE 270-301EZ BOWDEN CABLE CONTROL SYSTEM IS DESIGNED TO BE IMBEDDED IN THE CEILING FLUSH WITH THE FINISHED SURFACE. DAMPER POSITION INDICATOR VISIBLE UNDER COVER PLATE.
2. CABLE SHALL CONSIST OF BOWDEN CABLE 0.054\"/>

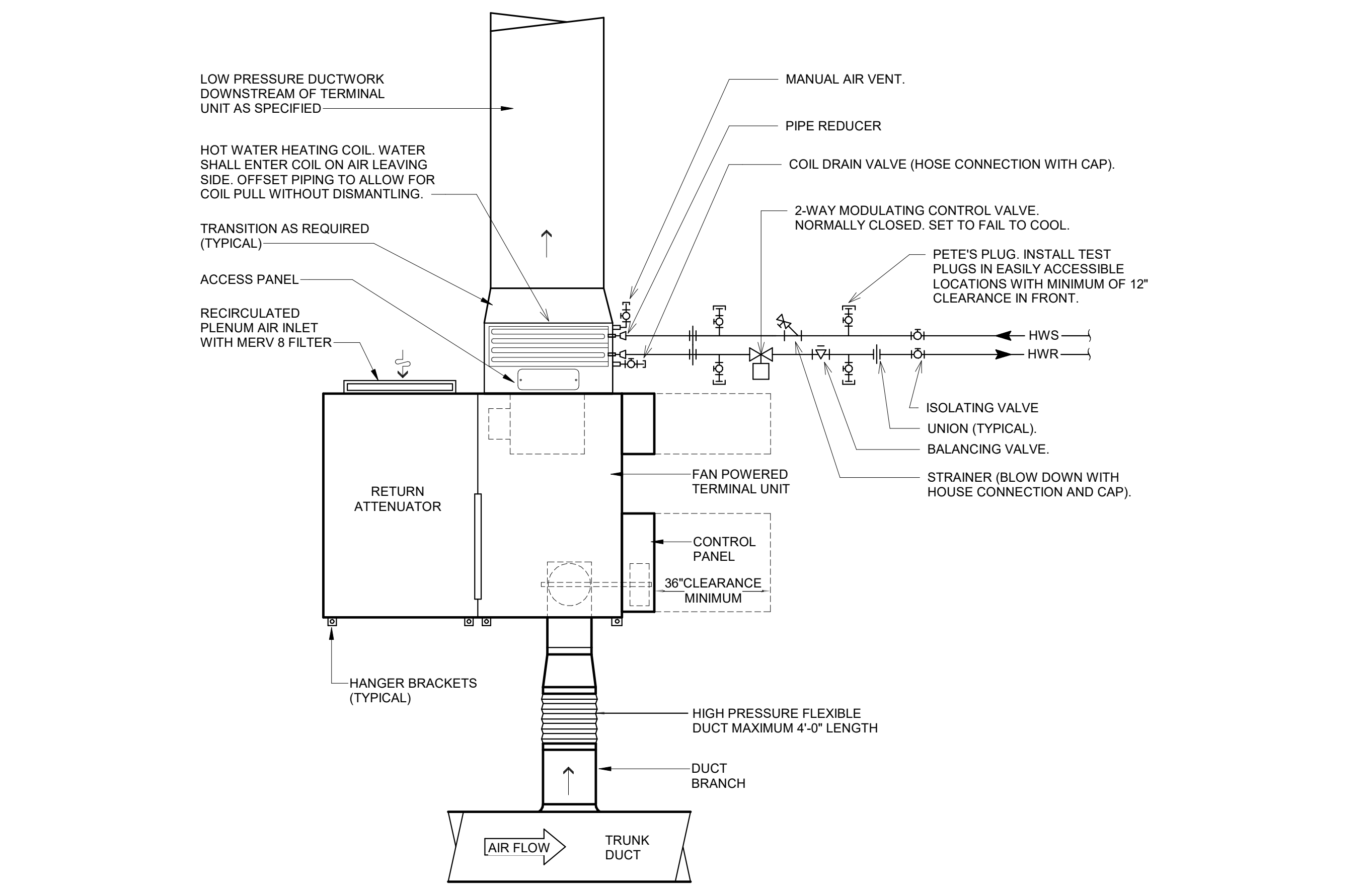
4 REGULATOR AT CLG. MOUNTED GRILLE
SCALE: N.T.S.



EXCLUSIVELY DEDICATED ELECTRICAL SPACE NO PIPING OR DUCT SHALL BE ALLOWED WITHIN THESE AREAS

ELECTRICAL SPACE NO WATER PIPING SHALL BE ALLOWED WITHIN THESE AREAS

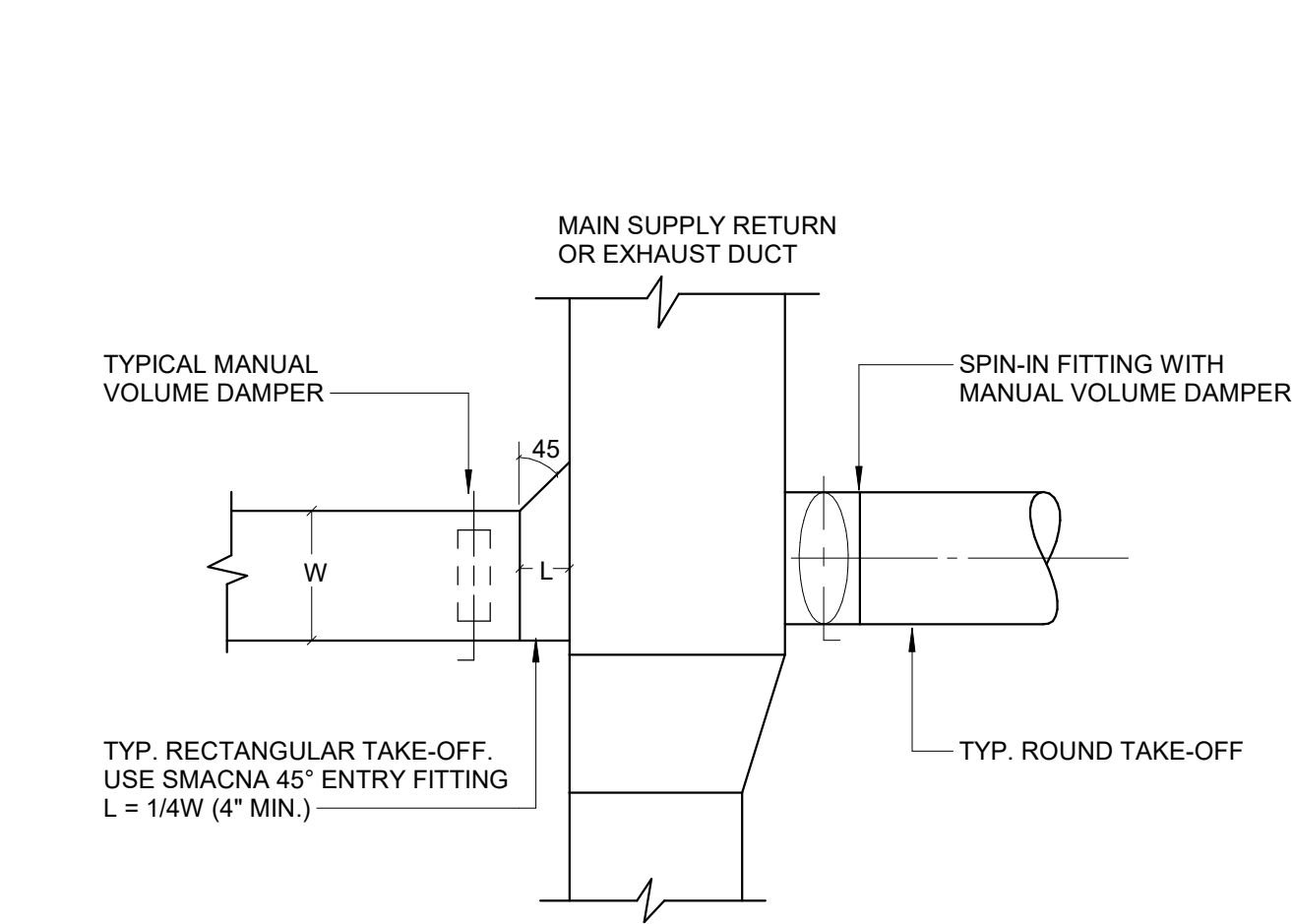
3 CLEARANCE REQUIREMENTS AT ELECTRICAL PANELS
SCALE: N.T.S.



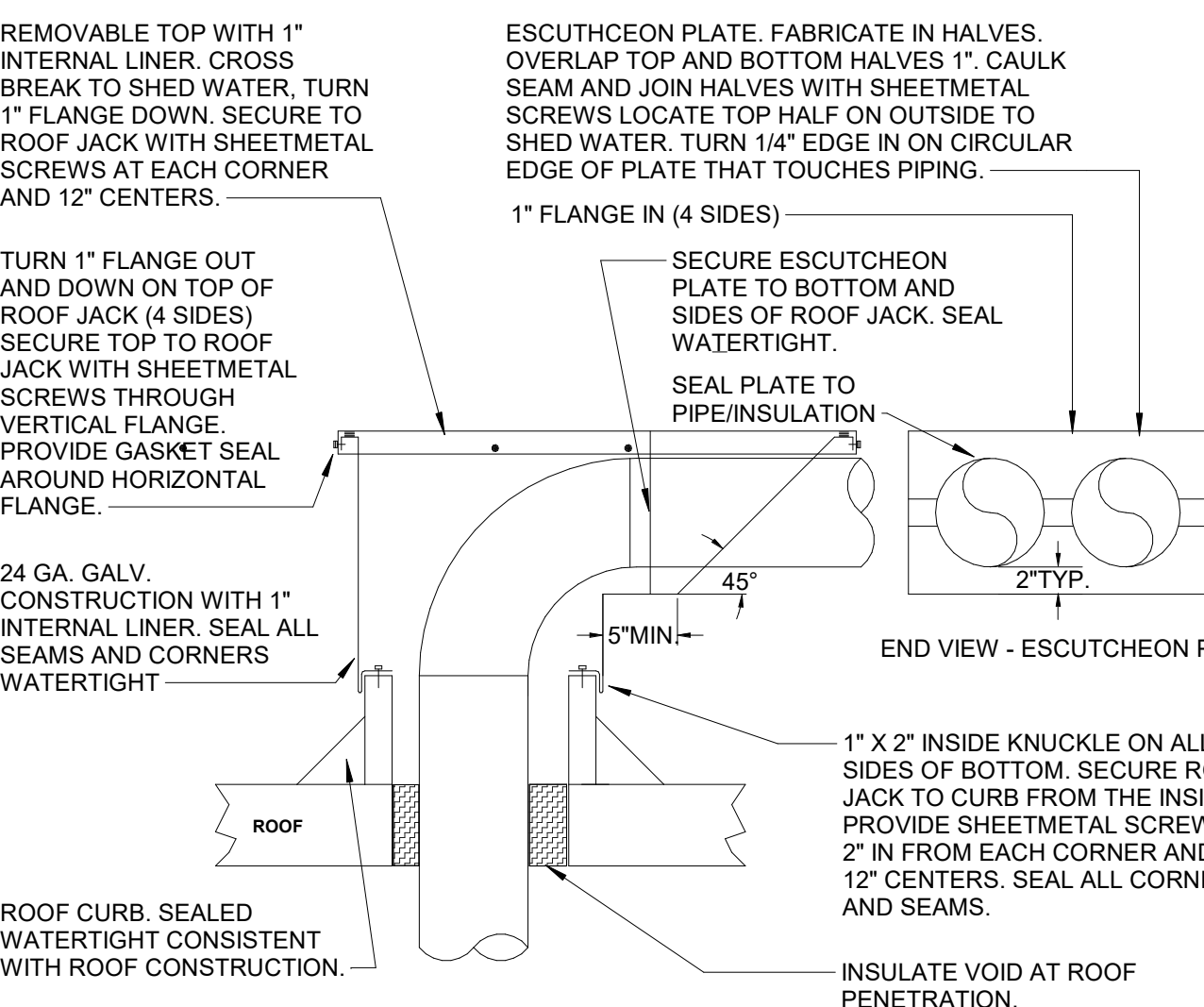
NOTES:

1. SUPPORT FLEX DUCT FROM STRUCTURE AS SPECIFIED, DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.
2. SUPPORT BOX PER MANUFACTURER'S RECOMMENDATION.
3. CONFIGURATION SHOWN IS A SCHEMATIC AND DOES NOT REPRESENT THE SPECIFIC UNIT.
4. MAINTAIN SUFFICIENT CLEARANCE TO ACCESS CONTROL BOX AND HEATER TERMINATION ENCLOSURE PER MANUFACTURER'S RECOMMENDATION AND NEC CODE. ALSO ALLOW SUFFICIENT CLEARANCE TO CHANGE THE RECIRCULATED INLET FILTER.
5. PROVIDE RECOMMENDED STRAIGHT DUCT WORK BEFORE TERMINAL UNIT SENSOR INLET.
6. COORDINATE COIL AND CONTROL PANEL RIGHT HAND/LEFT HAND CONFIGURATION WITH EXISTING FIELD CONDITIONS AND MAINTENANCE CLEARANCES.

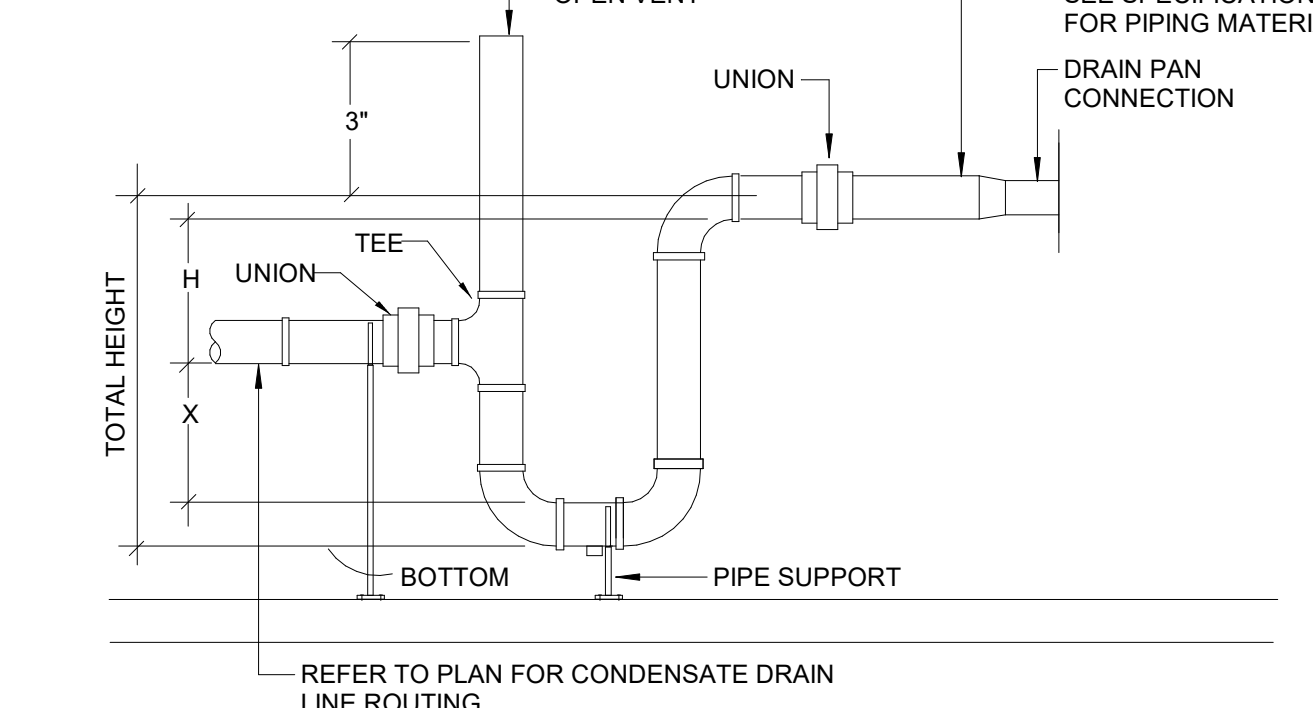
13 FAN POWERED TERMINAL UNIT (SERIES)
SCALE: N.T.S.



10 DUCT BRANCH TAKE OFF
SCALE: N.T.S.



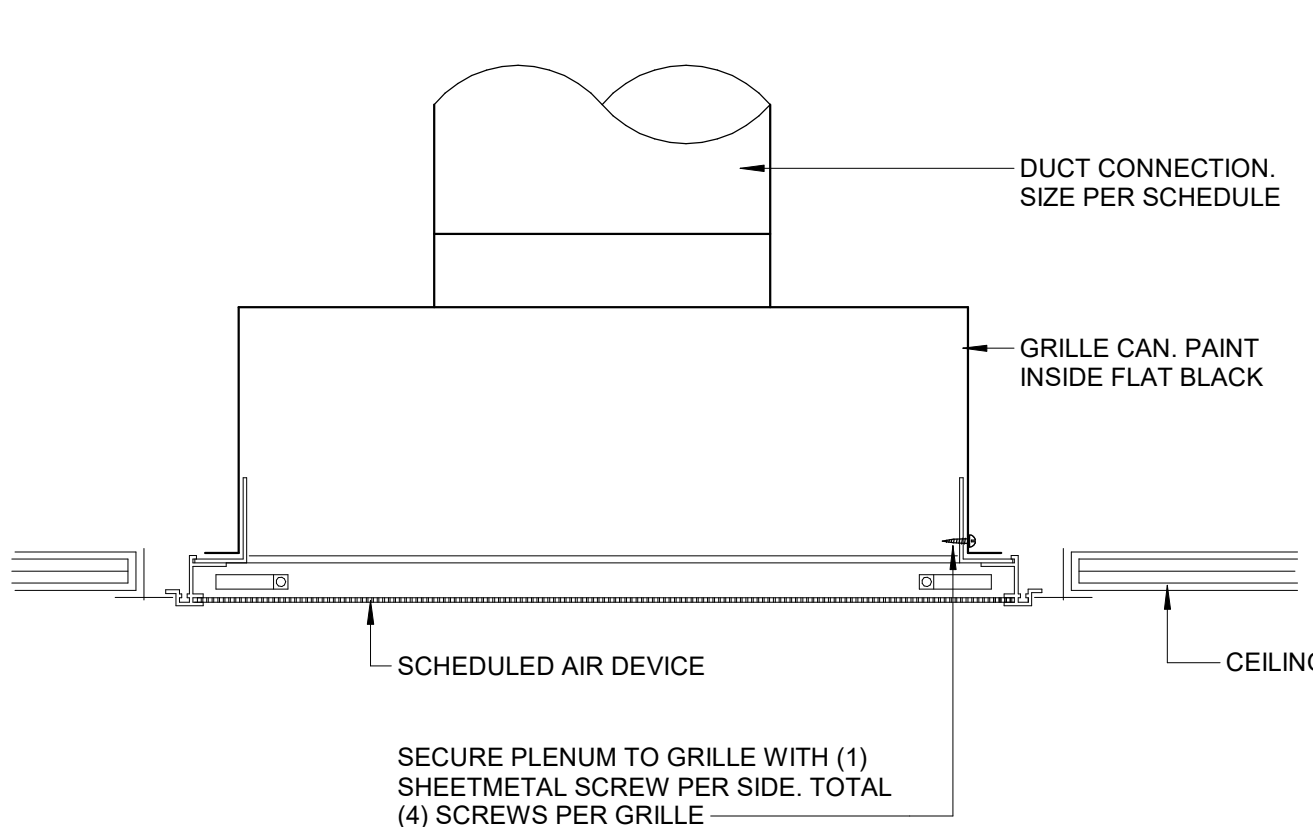
6 PIPING AND CONDUIT THRU ROOF DETAIL
SCALE: N.T.S.



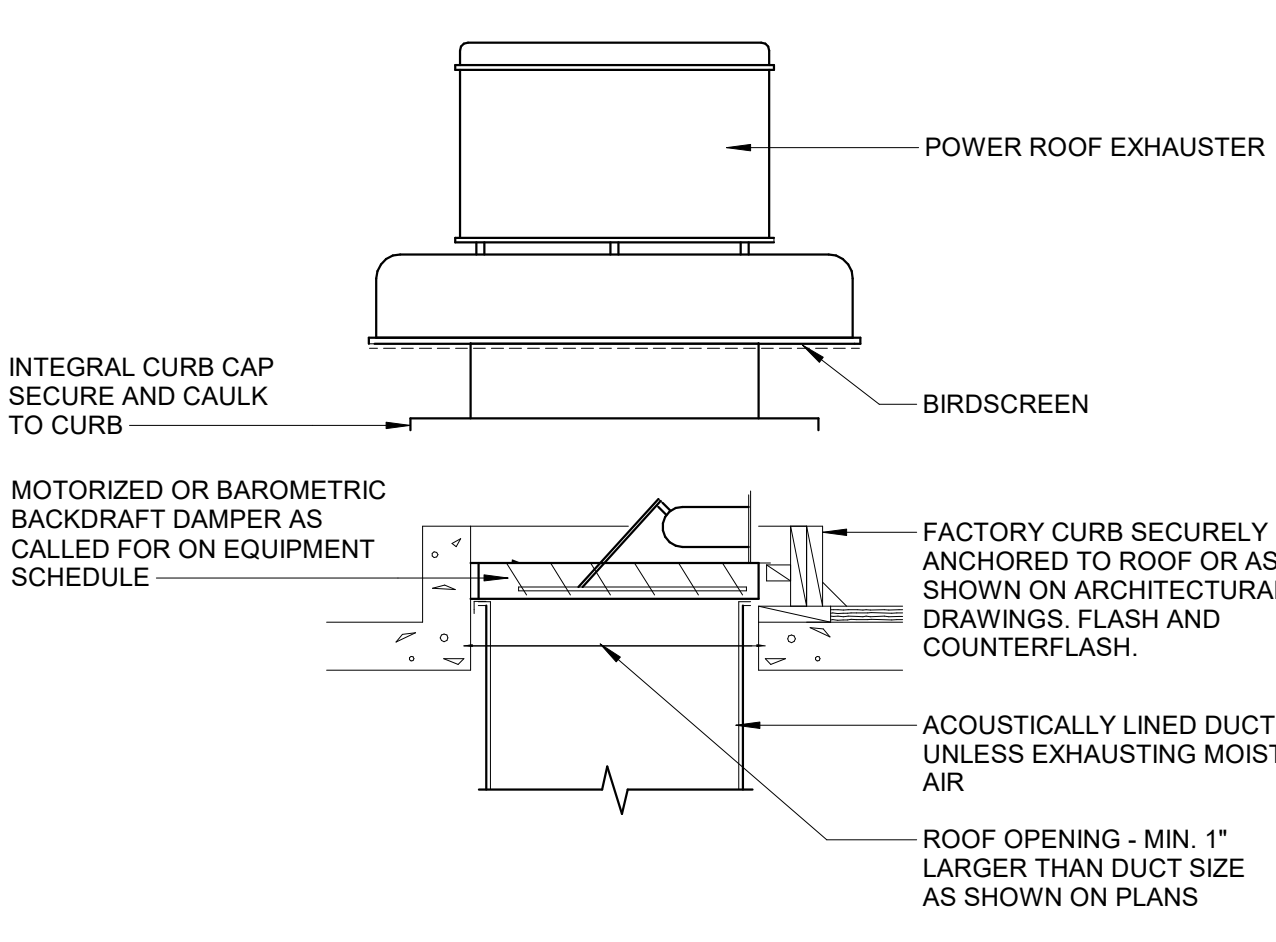
TOTAL HEIGHT OF TRAP = X+H (1-1/2 x PIPE DIAMETER)
FOR DRAW THRU UNITS FOR BLOW THRU UNITS
X= MIN. 1/2 H (PREFERRED X=H) X= FAN STATIC PRESSURE +1\"/>

- NOTES:
1. ELEVATE AC UNIT SUFFICIENT DISTANCE ABOVE FLOOR OR ROOF TO ALLOW FOR INSTALLATION OF TRAP WITH ADEQUATE DIMENSIONS TO WITHSTAND SYSTEM PRESSURE. COORDINATE WITH DETAIL FOR A UNIT MOUNTING.
 2. TOTAL WIDTH OF TRAP SHALL BE LESS THAN OR EQUAL TO TOTAL HEIGHT OF TRAP.

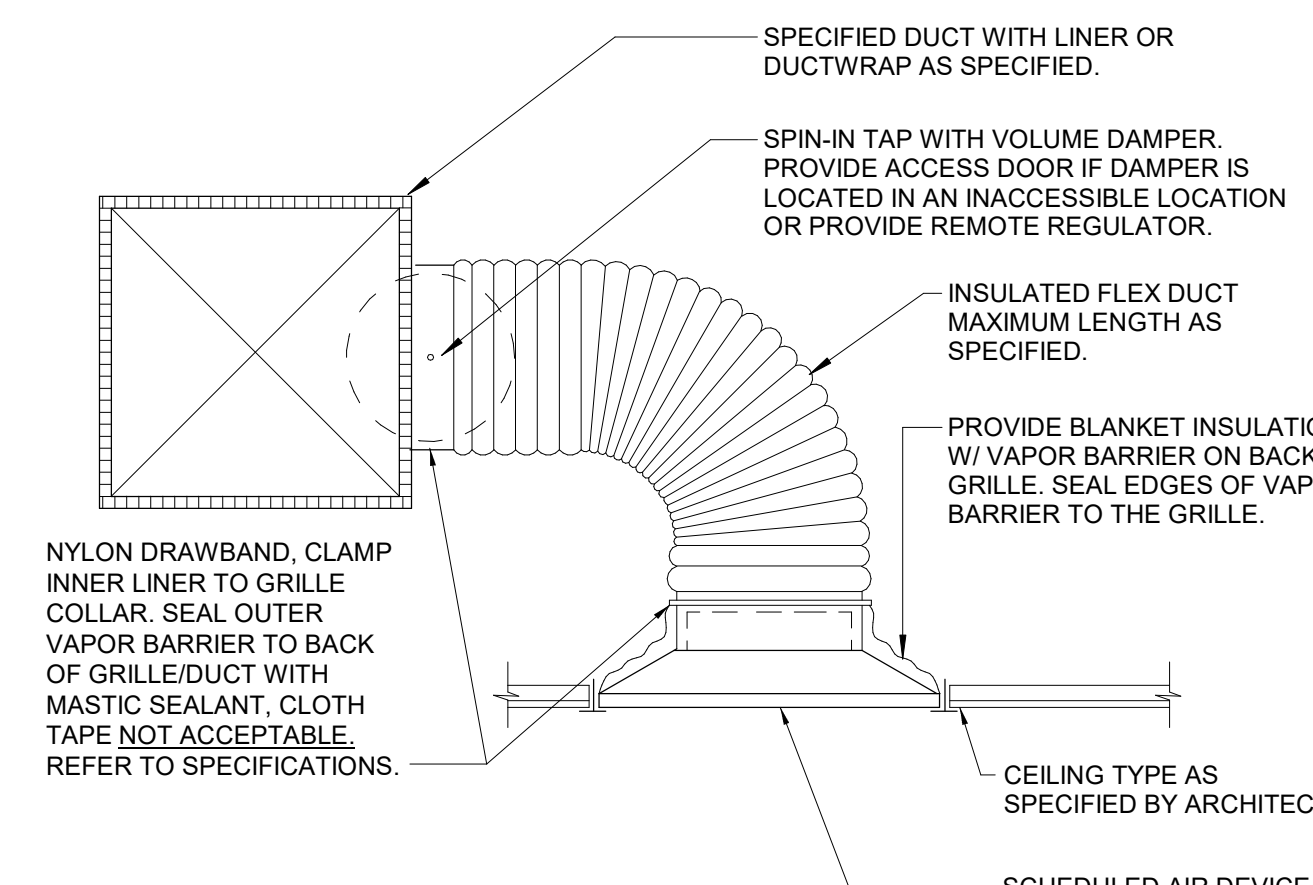
2 CONDENSATE DRAIN PIPING
SCALE: N.T.S.



9 EXHAUST/RETURN AIR CONNECTION
SCALE: N.T.S.



5 ROOF MOUNTED EXHAUST FAN
SCALE: N.T.S.

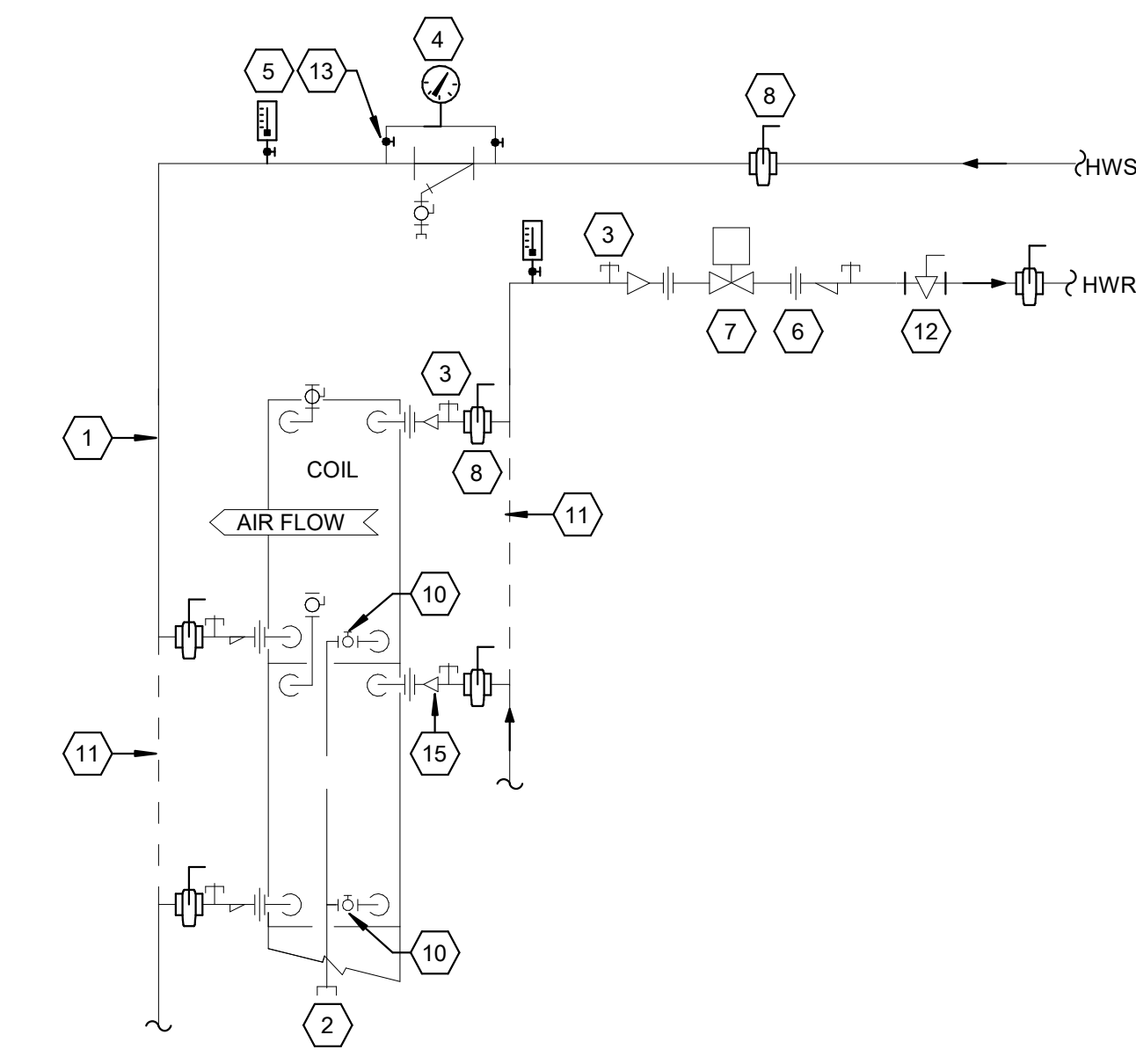


- NOTE:
1. SUPPORT FLEX DUCT FROM STRUCTURE SO THAT IT DOES NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.

1 GRILLE CONNECTION DETAIL
SCALE: N.T.S.

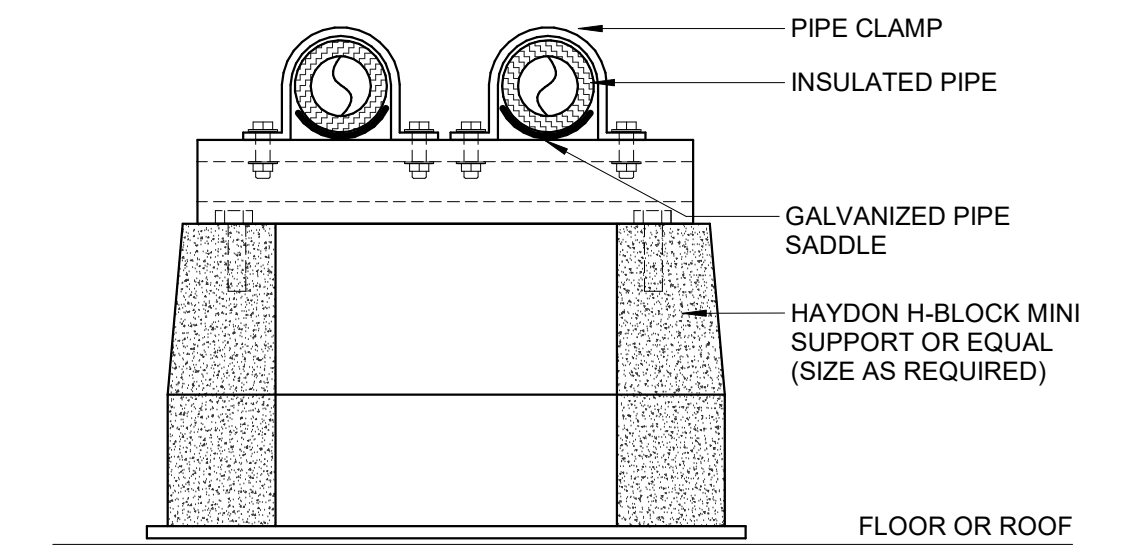
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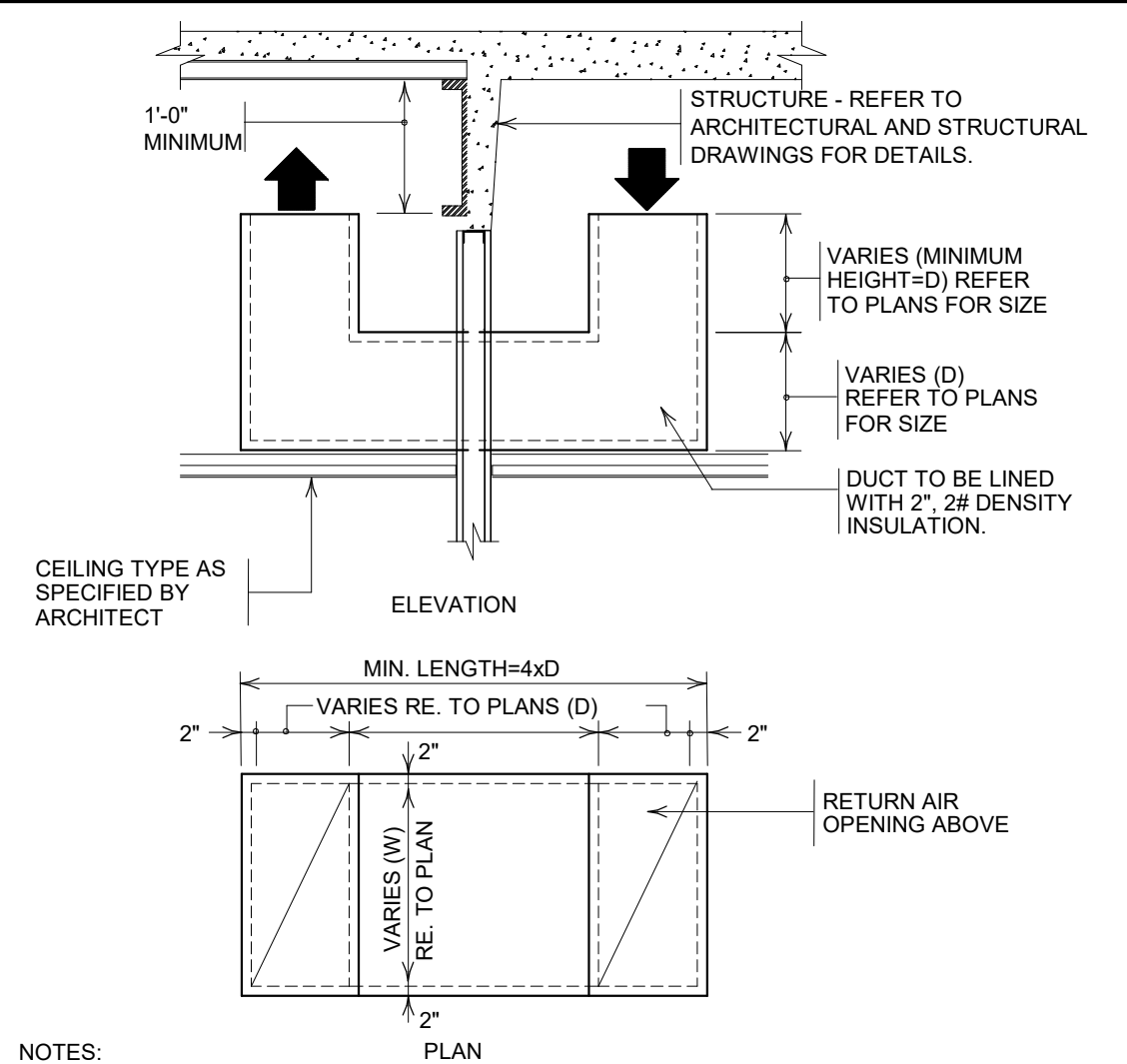
- DETAIL KEYED NOTES:**
- SUPPLY WATER SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL.
 - COLLECT ALL DRAINS, INSTALL HOSE CONNECTION AND CAP.
 - TEMP. AND PRESS. FITTING (TYPICAL).
 - PRESSURE GAUGE.
 - THERMOMETER.
 - DIELECTRIC UNION - COUPLINGS NOT ACCEPTABLE. (TYPICAL).
 - AUTOMATIC MODULATING 2-WAY VALVE.
 - BUTTERFLY VALVE OR BALL VALVE (TYPICAL).
 - MANUAL AIR VENT AND DRAIN.
 - DASHED PIPING AND COILS INDICATE TYPICAL PIPING REQUIREMENTS FOR MULTIPLE COILS.
 - BALANCING VALVE (PLUG).
 - BALL VALVE (TYPICAL).
 - STRAINER WITH BLOW DOWN VALVE CONNECTION.
 - REDUCERS AS REQUIRED (TYPICAL).
- GENERAL NOTES:**
- PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN SYSTEM.
 - SEE PLANS AND/OR SCHEMATIC FOR PIPE SIZES.
 - TEMPERATURE/PRESSURE FITTINGS INSTALLED IN PIPING 2" AND SMALLER SHALL BE INSTALLED IN ELBOW OR IN THE BRANCH SIDE OF A 2" TEE.

5 HOT WATER COIL PIPING (2-WAY)
SCALE: N.T.S.



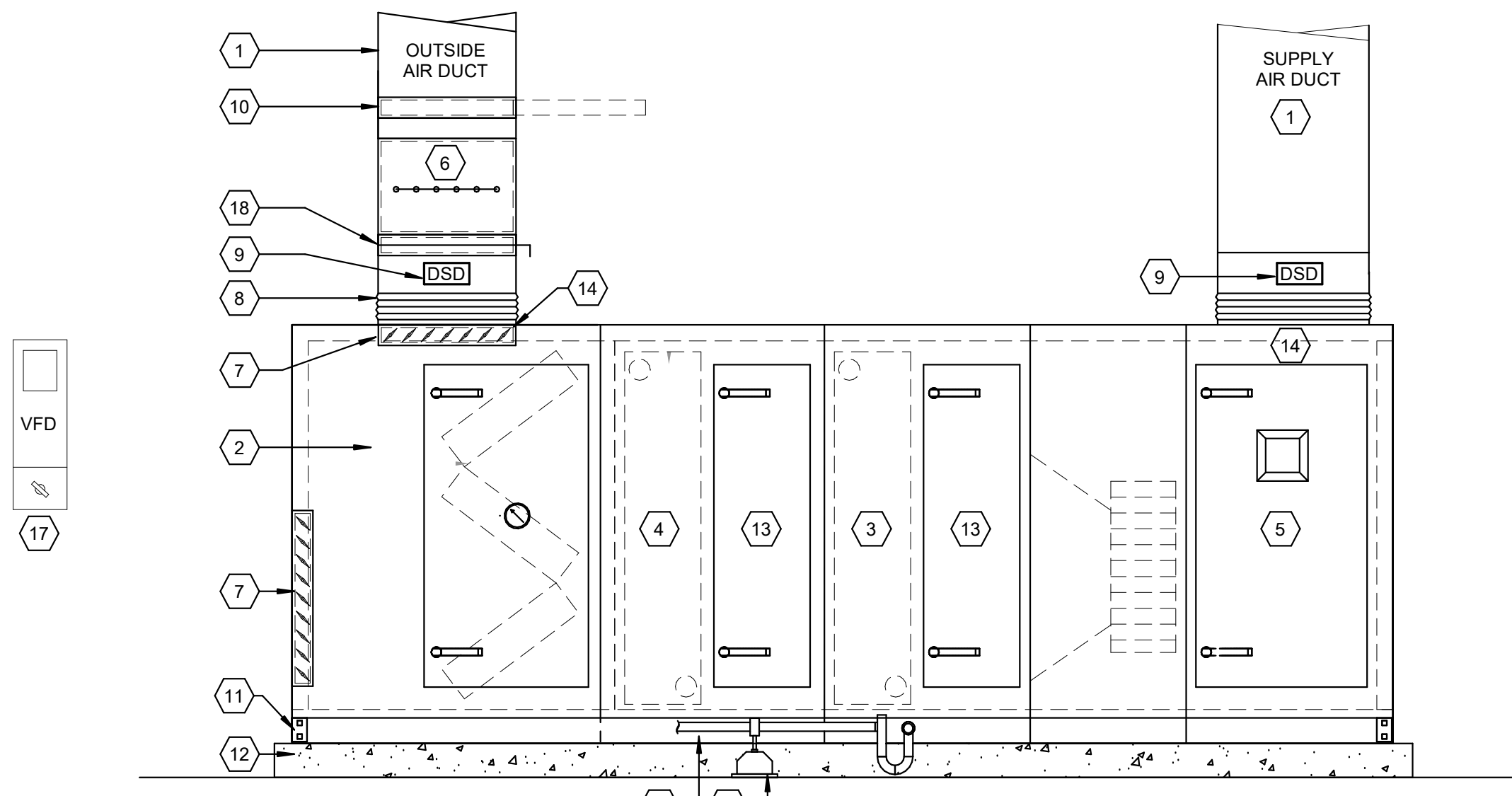
- NOTES:**
- SPACING OF SUPPORTS PER SPECIFICATIONS.
 - IF PIPING IS LOCATED ON ROOF, ATTACH SUPPORT BASE TO ROOF MEMBRANE WITH MASTIC APPROVED FOR USE WITH ROOFING SYSTEM.
 - REFER TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

3 MULTIPLE PIPE SUPPORT
SCALE: N.T.S.



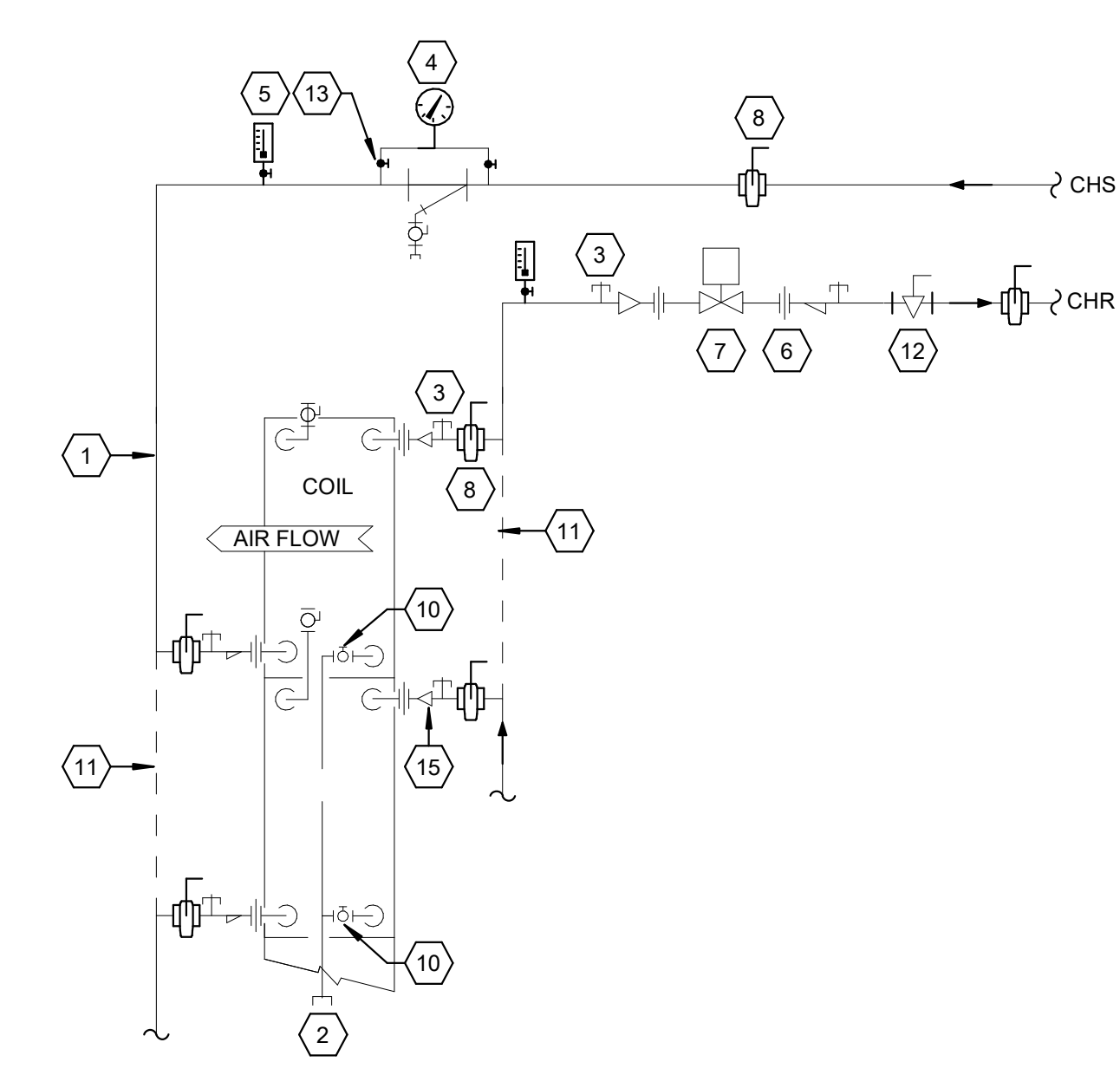
- NOTES:**
- INTERNALLY LINED RETURN AIR DUCT SECTION (LINED W/ 2" #2 DENSITY INSULATION THROUGH PARTITION ABOVE CEILING. PLENUM AND OPENING SHALL BE OF THE INDICATED SIZE. OPENINGS ON EACH SIDE OF PARTITION SHALL BE PROVIDED IN TOP OR BOTTOM OF PLENUM AS SHOWN. END SHALL BE CAPPED, LINED AND SEALED. REFER TO PLANS FOR RETURN AIR BOOT SIZE AND OPENING LOCATION.

2 RETURN AIR TRANSFER DUCT
SCALE: N.T.S.



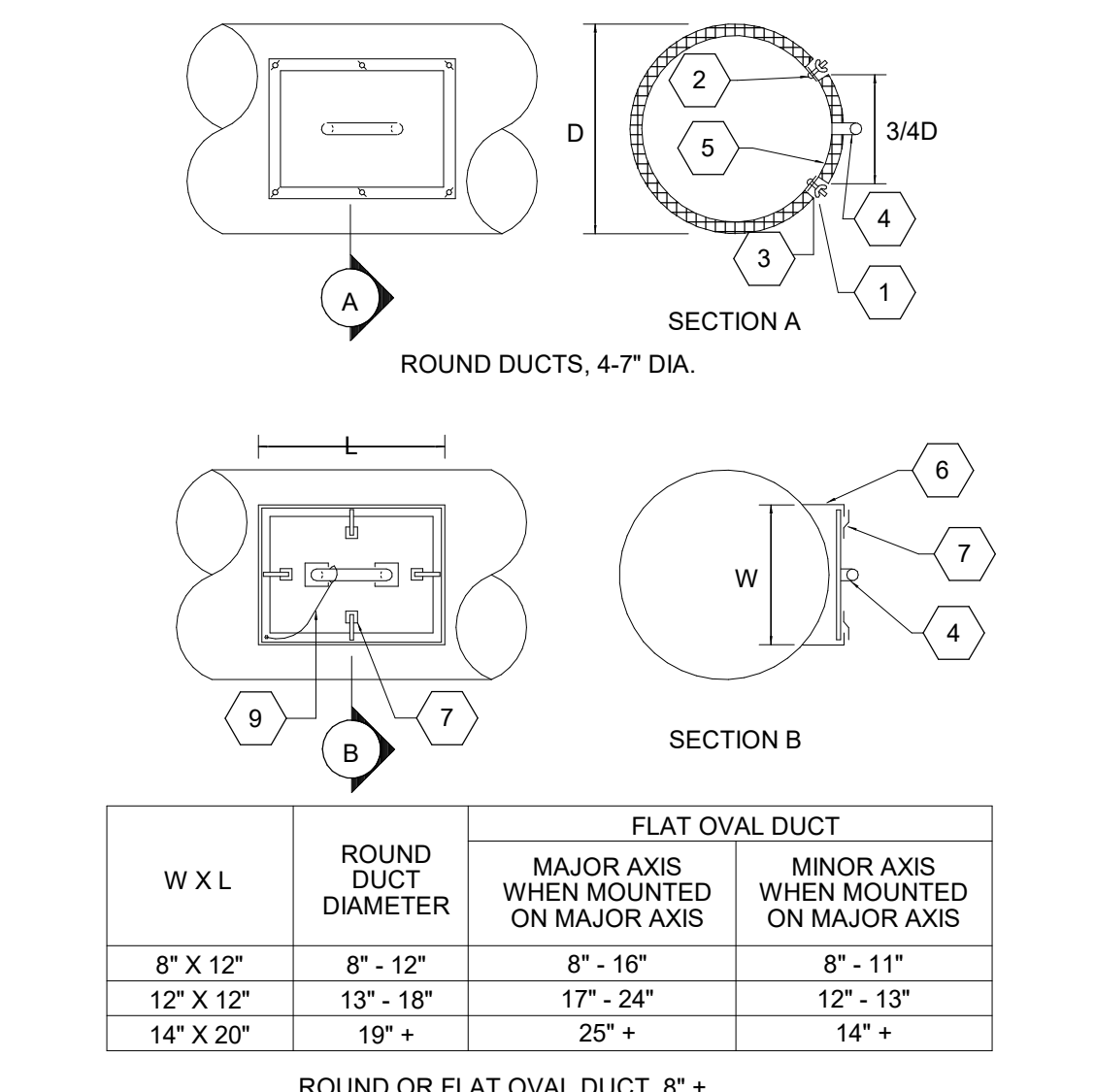
- GENERAL NOTES:**
- THIS DETAIL SHOWS GENERAL ARRANGEMENT OF A/C UNIT COMPONENTS ONLY.
 - COIL CONNECTION SIDE LOCATIONS AND ACCESS DOOR SWING LOCATIONS SHALL BE COORDINATED WITH PROJECT SPECIFIC CONDITIONS.
 - CONDENSATE SHALL DISCHARGE TO APPROVED PLUMBING FIXTURE INSIDE OF BUILDING. CONDENSATE DRAIN SHALL SLOPE TOWARDS DRAIN (REFER TO SPECIFICATIONS).
 - SUPPORT STRUCTURE MAY VARY. COORDINATE WITH STRUCTURAL TRADE OR FIELD CONDITIONS FOR EXACT TYPE.
 - PROVIDE ACCESS DOORS ON BOTH SIDES OF UNIT SECTIONS.
- KEYED NOTES:**
- REFER TO PLANS FOR DUCT CONFIGURATION AND SIZING.
 - MERV 8 FILTER MIXING BOX SECTION.
 - COOLING COIL SECTION.
 - HEATING COIL SECTION.
 - PLENUM FAN SECTION WITH ACCESS DOORS INTO UNIT ON BOTH SIDES OF UNIT.
 - AIRFLOW MONITORING STATION.
 - LOW LEAKAGE MOTORIZED DAMPER.
 - FLEXIBLE DUCT CANVASS CONNECTION (TYPICAL). COORDINATE SIZE WITH UNIT MANUFACTURER.
 - SMOKE DETECTOR. (UNITS 2000 CFM OR GREATER).
 - DUCT MOUNTED MERV 8 SIDE ACCESS FILTER HOUSING. AMERICAN AIR FILTER MODEL SUREPLEAT HOUSING OR EQUAL. COORDINATE FILTER SIZE WITH MANUFACTURER. TRANSITION TO FILTER HOUSING AS REQUIRED.
 - 6" BASE RAIL.
 - CONTRACTOR TO VERIFY AHU CONCRETE HOUSEKEEPING PAD HEIGHT TO ACCOMMODATE P-TRAP INSTALLATION.
 - MINIMUM 15.5" WIDE ACCESS DOOR ON BOTH SIDES OF UNIT (TYPICAL).
 - PROVIDE UNIT OPENINGS TO MATCH DESIGN DUCTWORK. REFER TO PLANS FOR SIZE. COORDINATE WITH MANUFACTURER.
 - REFER TO PLAN FOR CONDENSATE DRAIN ROUTING.
 - ADJUSTABLE PIPE SUPPORT (SEE DETAIL).
 - WALL MOUNTED VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH. PROVIDE SINGLE POINT POWER. REFER TO PLANS FOR LOCATION.
 - MANUAL VOLUME DAMPER (TYPICAL).

6 CHILLED WATER COIL PIPING (2-WAY)
SCALE: N.T.S.



- DETAIL KEYED NOTES:**
- SUPPLY WATER SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL.
 - COLLECT ALL DRAINS, INSTALL HOSE CONNECTION AND CAP.
 - TEMP. AND PRESS. FITTING (TYPICAL).
 - PRESSURE GAUGE.
 - THERMOMETER.
 - DIELECTRIC UNION - COUPLINGS NOT ACCEPTABLE. (TYPICAL).
 - AUTOMATIC MODULATING 2-WAY VALVE.
 - BUTTERFLY VALVE OR BALL VALVE (TYPICAL).
 - MANUAL AIR VENT AND DRAIN.
 - DASHED PIPING AND COILS INDICATE TYPICAL PIPING REQUIREMENTS FOR MULTIPLE COILS.
 - BALANCING VALVE (PLUG).
 - BALL VALVE (TYPICAL).
 - STRAINER WITH BLOW DOWN VALVE CONNECTION.
 - REDUCERS AS REQUIRED (TYPICAL).
- GENERAL NOTES:**
- PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN SYSTEM.
 - SEE PLANS AND/OR SCHEMATIC FOR PIPE SIZES.
 - TEMPERATURE/PRESSURE FITTINGS INSTALLED IN PIPING 2" AND SMALLER SHALL BE INSTALLED IN ELBOW OR IN THE BRANCH SIDE OF A 2" TEE.

4 CHILLED WATER COIL PIPING (2-WAY)
SCALE: N.T.S.



W X L	ROUND DUCT DIAMETER	FLAT OVAL DUCT	
		MAJOR AXIS WHEN MOUNTED ON MAJOR AXIS	MINOR AXIS WHEN MOUNTED ON MAJOR AXIS
8" X 12"	8" - 12"	8" - 16"	8" - 11"
12" X 12"	13" - 18"	17" - 24"	12" - 13"
14" X 20"	19" +	25" +	14" +

ROUND OR FLAT OVAL DUCT, 8" +

DUCT DIMENSION ON WHICH ACCESS DOOR IS PLACED	OUTSIDE FRAME W X L
6" - 8"	5" X 12"
9" - 12"	8" X 8"
13" - 15"	12" X 12"
16" - 33"	14" X 14"
34" - 66"	(2) 14" X 14"
67" +	(3) 14" X 14"

RECTANGULAR DUCTS

- BOLT AND WING NUT AT MAX. 3" O.C.
- TACK WELD BOLT TO DUCT
- PROVIDE GASKET BETWEEN DUCT AND ACCESS
- DOOR HANDLE
- INSULATE COVER AS REQUIRED BY DUCT INSULATION SPEC.
- MIN. 20 GA FRAME WELDED TO DUCT
- PRESSURE SENSITIVE LATCH FOR VACUUM
- RELEASE RETAINER CHAIN
- MIN. 22 GA GALV. STEEL FRAME
- FRAME SECURED TO DUCT WITH 5/8" NOTCHED KNOCK-OVER EDGES ON ALL SIDES
- CONTINUOUS HINGE
- CAM LATCH
- MIN. 22 GA DOOR

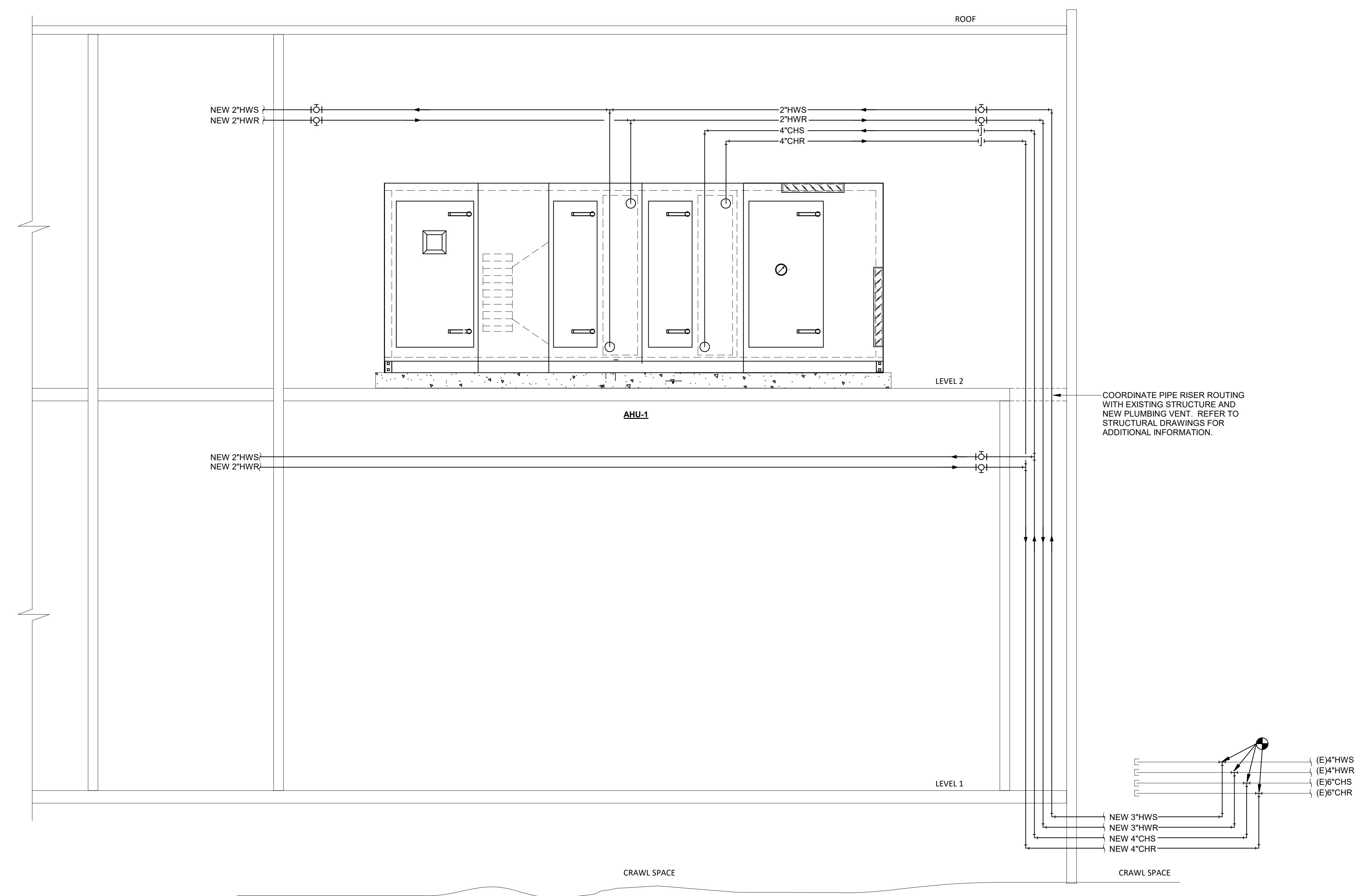
NOTE: DUCT ACCESS DOORS SHALL BE PROVIDED AT EACH FIRE DAMPER, SMOKE DAMPER, DUCT MOUNTED EQUIPMENT, AND AS REQUIRED FOR DUCT CLEANING AND INSPECTION

1 DUCT ACCESS DOOR DETAIL
SCALE: N.T.S.

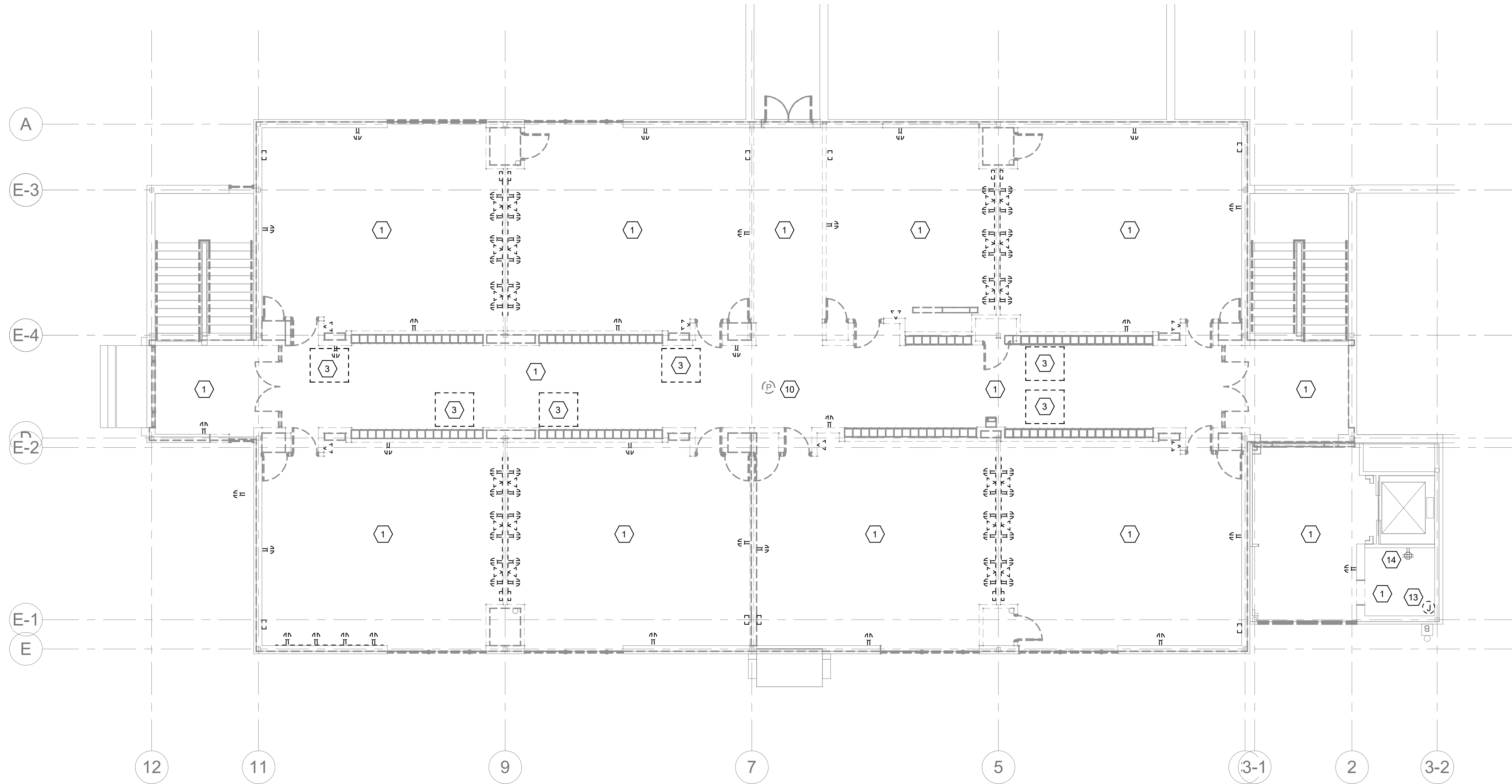
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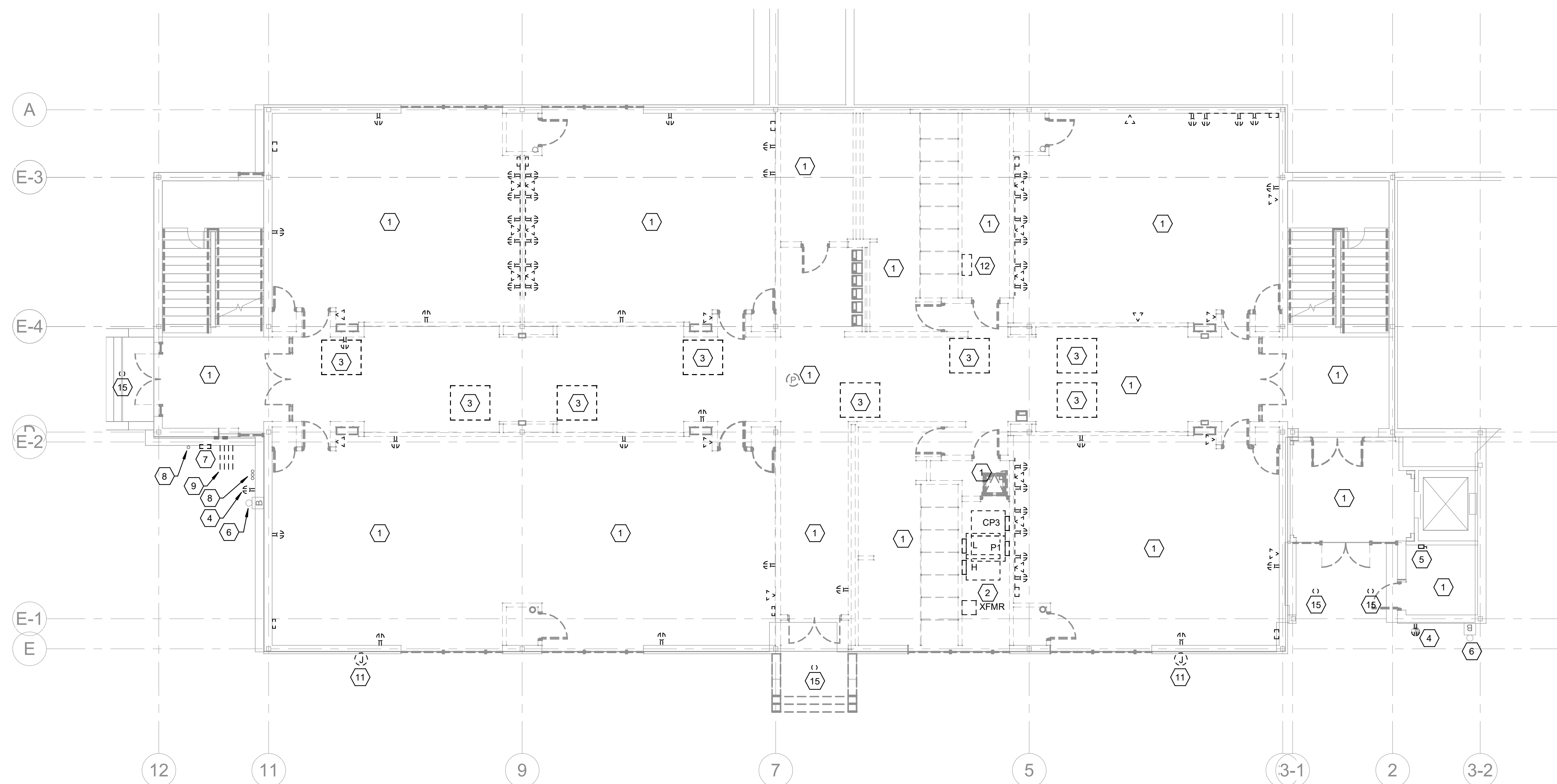
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1 MECHANICAL PIPING RISER DIAGRAM
1/8" = 1'-0"



② ELECTRICAL DEMOLITION FLOOR PLAN LEVEL 2
1/8" = 1'-0"



① ELECTRICAL DEMOLITION FLOOR PLAN LEVEL 1
1/8" = 1'-0"

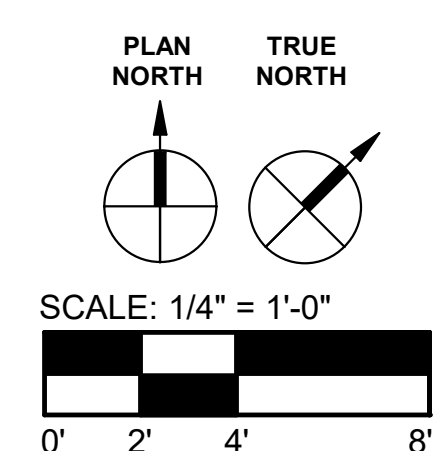
GENERAL NOTES

- A. REFER TO ELECTRICAL LEGEND AND GENERAL INFORMATION ON SHEET E001.
- B. TO BEGIN THE DEMOLITION INDICATES THAT THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS.
- C. CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING ELECTRICAL EQUIPMENT OR DEVICES WHICH REMAIN ACTIVE. CONTRACTOR SHALL EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS SPECIFIED.
- D. VERIFY AND/OR DETERMINE EXISTING CIRCUITING ARRANGEMENTS FOR EQUIPMENT TO BE REMOVED BEFORE DE-ENERGIZING ANY CIRCUITS. CONTRACTOR SHALL CIRCUIT TRACE TO DETERMINE PANEL AND CIRCUIT CONNECTIONS FOR ALL EXISTING EQUIPMENT AND/OR CIRCUITS THAT ARE TO BE REMOVED IN PREPARATION FOR THE RENOVATION.
- E. REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED). ALL MATERIALS AND EQUIPMENT NOT TO BE REUSED (UNLESS OWNER ELECTS TO RETAIN) IN THE PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- F. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED. IF ANY MATERIAL, EQUIPMENT, AND/OR FINISHES WITHIN THE SCOPE OF WORK IS DAMAGED, THEN RESTORE IT INTO WORKING CONDITION THAT IS ACCEPTABLE BY THE AHJ AND OWNER. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY CRAFTS THAT WERE ORIGINALLY USED TO PERFORM THE EXISTING WORK.
- G. UPON COMPLETION OF RENOVATION, CONTRACTOR SHALL PROVIDE CONTINUITY OF ANY CIRCUITS THAT ARE TO REMAIN THAT WERE INTERRUPTED DUE TO THE DEMOLITION. PROVIDE 'AS-BUILT' DRAWINGS AND ACCURATELY DENOTE EACH CIRCUIT PART OF THE SCOPE OF WORK. UPDATE ALL PANELBOARDS/SWITCHBOARDS AS REQUIRED.
- H. BRANCH CIRCUITS SHOWN ARE BASED ON BUILDING RECORD DRAWINGS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. USE BRANCH CIRCUIT SHOWN AS REFERENCE POINT.

SHEET KEYED NOTES

1. EXISTING ELECTRICAL DEVICES, FIRE ALARM, LIGHTING AND DATA/TELEPHONE SHALL BE REMOVED ALONG WITH ASSOCIATED FEEDERS BACK TO SOURCE.
2. EXISTING PANELS AND TRANSFORMER ALONG WITH ASSOCIATED FEEDERS TO BE REMOVED BACK TO SOURCE.
3. EXISTING MECHANICAL EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL ASSOCIATED ELECTRICAL COMPONENTS BACK TO SOURCE.
4. EXISTING RECEPTACLE TO BE REMOVED. CONTRACTOR SHALL PROVIDE EXTERIOR RATED COVERPLATE. COORDINATE WITH ARCHITECT FOR FINISH COLOR.
5. ELECTRICAL DISCONNECT SWITCH FOR EXISTING ELEVATOR TO BE REMOVED ALONG WITH ASSOCIATED CONDUITS BACK TO PANEL. REFER TO RENOVATION PLANS FOR NEW WORK.
6. EXISTING BELL TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. EXISTING PANEL TO REMAIN. CONTRACTOR SHALL COORDINATE WITH ARCHITECT FOR REQUIRED FINISH AND/OR FILLING OF PANEL.
8. EXISTING CONDUIT STUBBED UP AT THIS LOCATION. CONTRACTOR SHALL CUT AND CAP AT GROUND LEVEL AND PREPARE FOR NEW RAMP.
9. EXISTING UNDERGROUND ABANDONED CONDUITS TO REMAIN. COORDINATE WITH ARCHITECT FOR COVERING OF CONDUITS TO ALLOW FOR NEW RAMP.
10. EXISTING FIRE ALARM DEVICE TO BE REMOVED ALONG WITH ASSOCIATED ELECTRICAL COMPONENTS.
11. EXISTING SURFACE MOUNTED CONDUITS TO BE REMOVED. CONTRACTOR SHALL PROVIDE EXTERIOR RATED COVERPLATE AT JUNCTION BOX. COORDINATE WITH ARCHITECT FOR FINISH COLOR.
12. EXISTING DRINKING FOUNTAIN COOLING UNIT TO BE REMOVED ALONG WITH ASSOCIATED ELECTRICAL COMPONENTS BACK TO SOURCE.
13. EXISTING TIME CLOCK TO BE REMOVED ALONG WITH ASSOCIATED COMPONENTS BACK TO SOURCE.
14. EXISTING QUAD RECEPT. TO REMAIN. REFER TO RENOVATION DRAWING FOR NEW BRANCH CIRCUIT AND ADDITIONAL INFORMATION.
15. EXISTING EXTERIOR FIXTURE TO BE REMOVED ALONG WITH ASSOCIATED ELECTRICAL COMPONENTS BACK TO SOURCE.

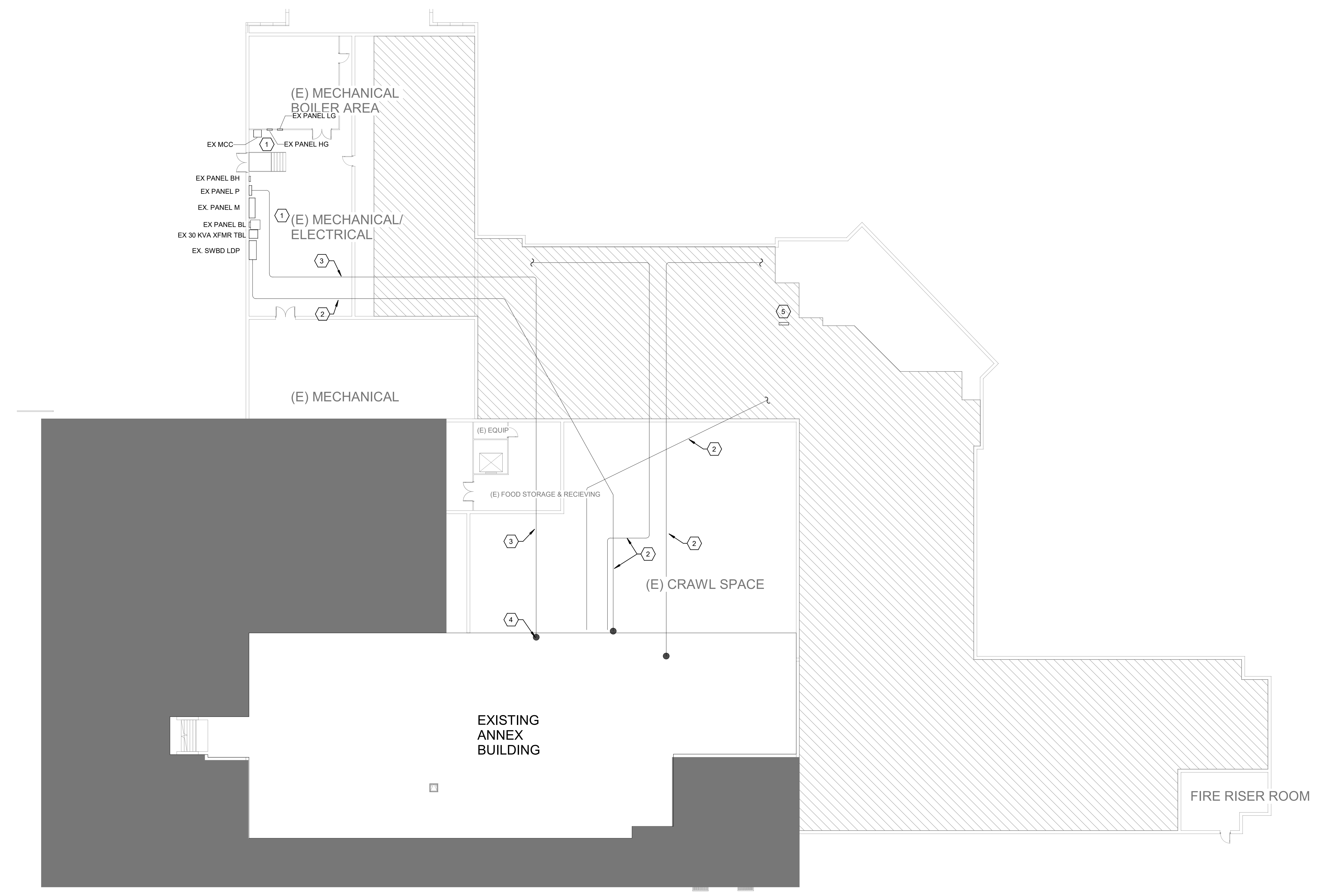
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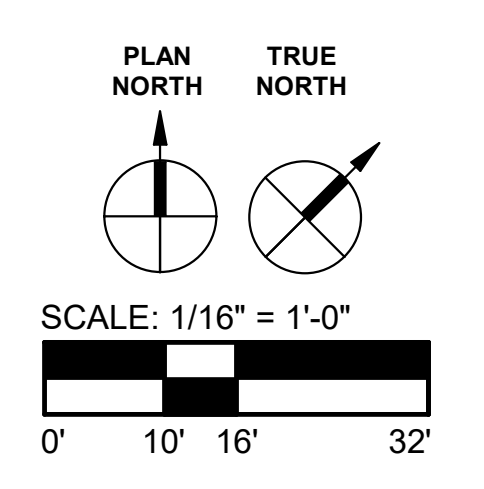
REVISIONS	
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- ### GENERAL NOTES
- REFER TO ELECTRICAL LEGEND AND GENERAL INFORMATION ON SHEET E001.
 - FOR 120V BRANCH CIRCUITS RUNS LESS THAN 60' IN LENGTH USE 2#12, #12G, 3/4"C. RUNS FROM 60' TO 99' IN LENGTH USE 2#10, #10G, 3/4"C. RUNS FROM 99' TO 157' IN LENGTH USE 2#8, #8G, 1"C.
 - CONTRACTOR SHALL COORDINATE EXACT HEIGHT AND LOCATION OF ALL ELECTRICAL DEVICES WITH MILLWORK. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
 - REFER TO ELECTRICAL ONE LINE DIAGRAMS AND PANEL SCHEDULES ON SHEETS E001 AND E701 SERIES FOR ADDITIONAL INFORMATION.

- ### SHEET KEYED NOTES
- EXISTING ELECTRICAL SWITCHGEAR TO REMAIN. SHOWN FOR REFERENCE ONLY.
 - EXISTING ELECTRICAL FEEDERS TO REMAIN. SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND CIRCUIT TRACE FEEDER TO DETERMINE IF FEEDER IS ACTIVE. IN THE EVENT THE FEEDER IS ABANDONED CONTRACTOR SHALL REMOVE IT ALONG WITH ASSOCIATED ELECTRICAL COMPONENTS BACK TO SOURCE.
 - CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS FOR ROUTING OF NEW ELECTRICAL FEEDER. FEEDER SHALL BE RUN AS HIGH AS POSSIBLE.
 - STUB UP NEW FEEDER IN NEW CHASE TO 2ND FLOOR. REFER TO ELECTRICAL RENOVATION PLANS E201 FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL ONE LINE DIAGRAM FOR FEEDER SIZE.
 - APPROXIMATE LOCATION OF MAIN FIRE ALARM PANEL (LOCATED ON 1ST FLOOR RECEPTION AREA). SHOWN FOR REFERENCE ONLY.



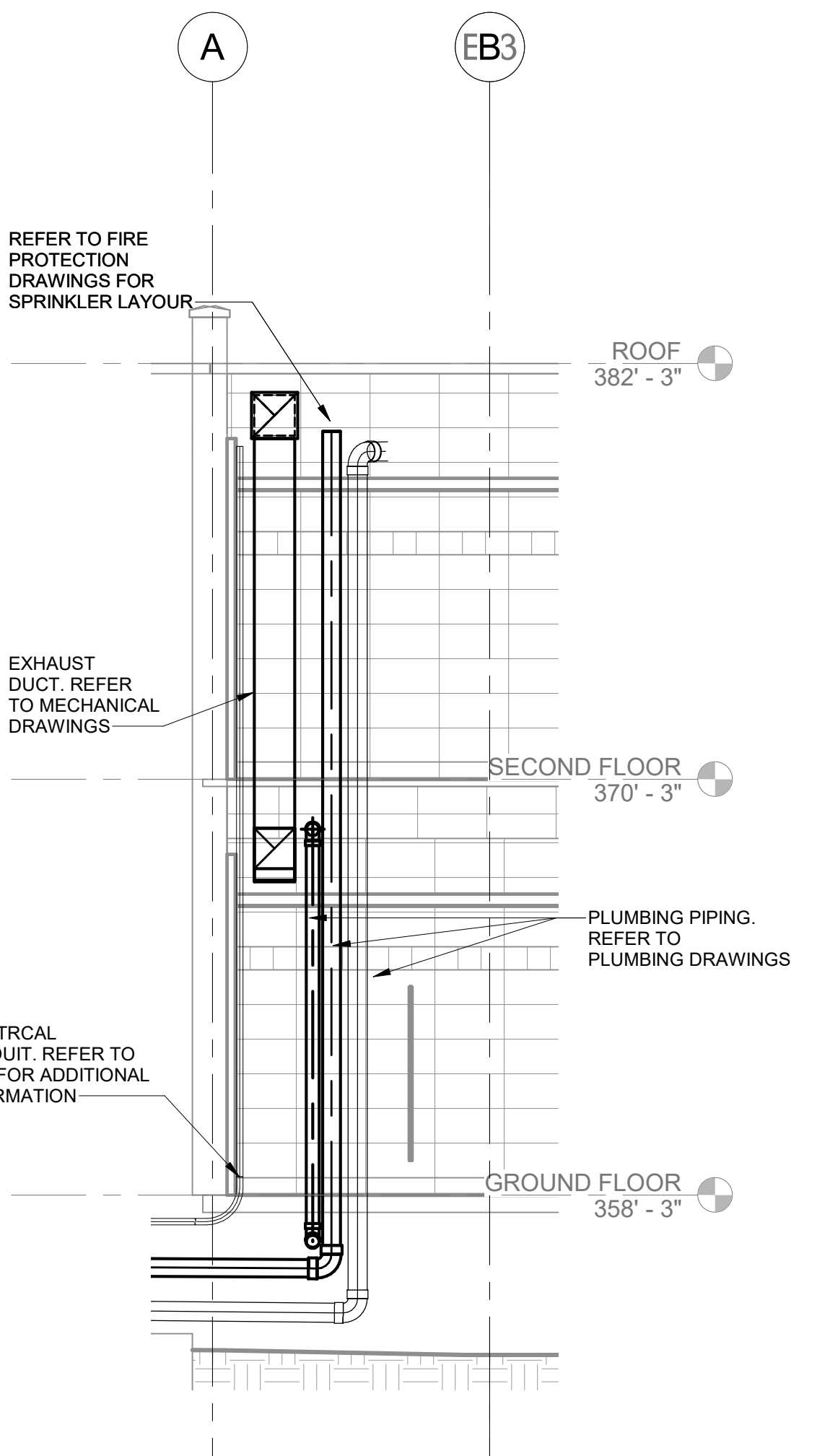
① ELECTRICAL BASEMENT PLAN
1/16" = 1'-0"



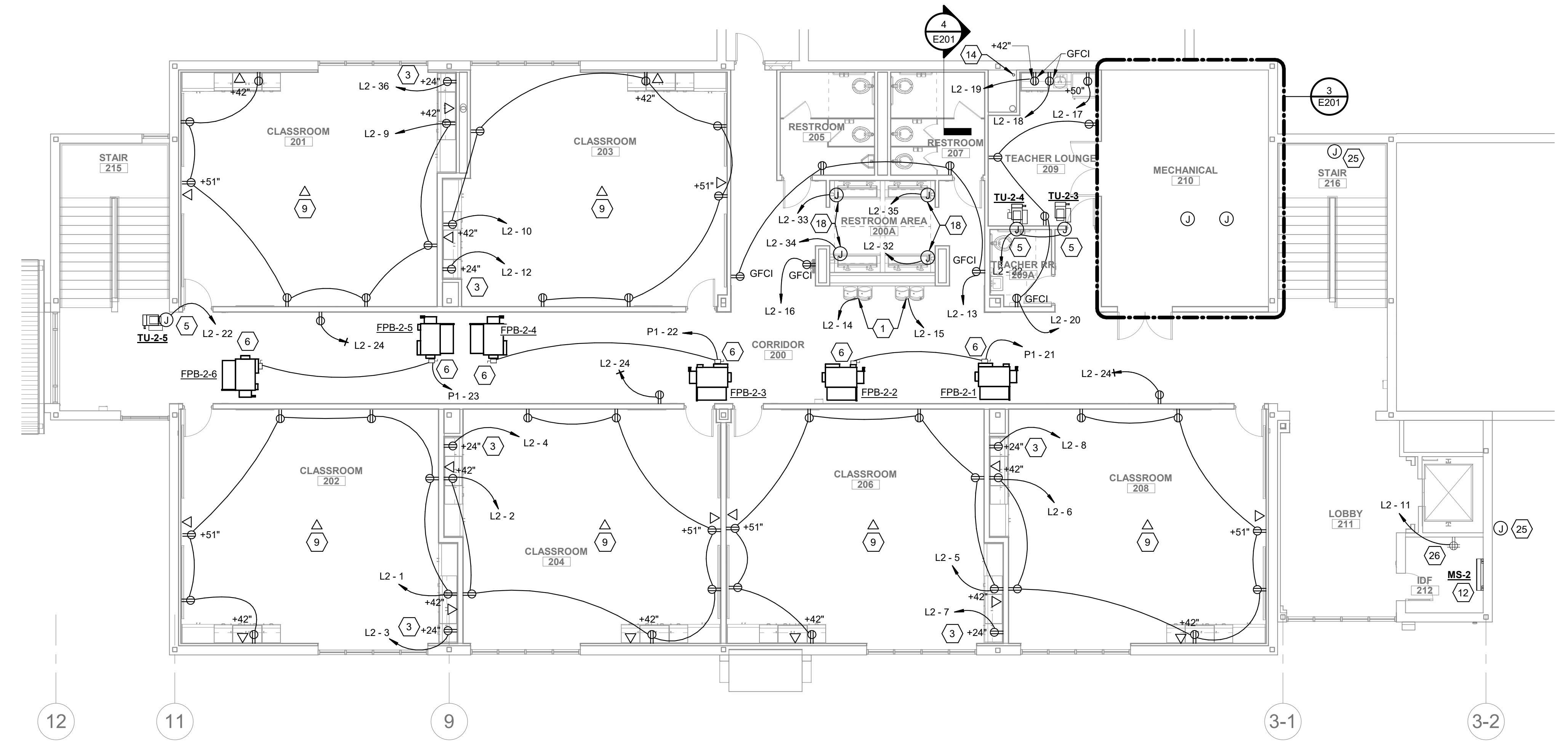
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 - CONTRACTOR SHALL COORDINATE EXACT HEIGHT AND LOCATION OF ALL ELECTRICAL DEVICES WITH MILLWORK. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
 - REFER TO ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULES ON SHEETS E601 AND E701 FOR ADDITIONAL INFORMATION.

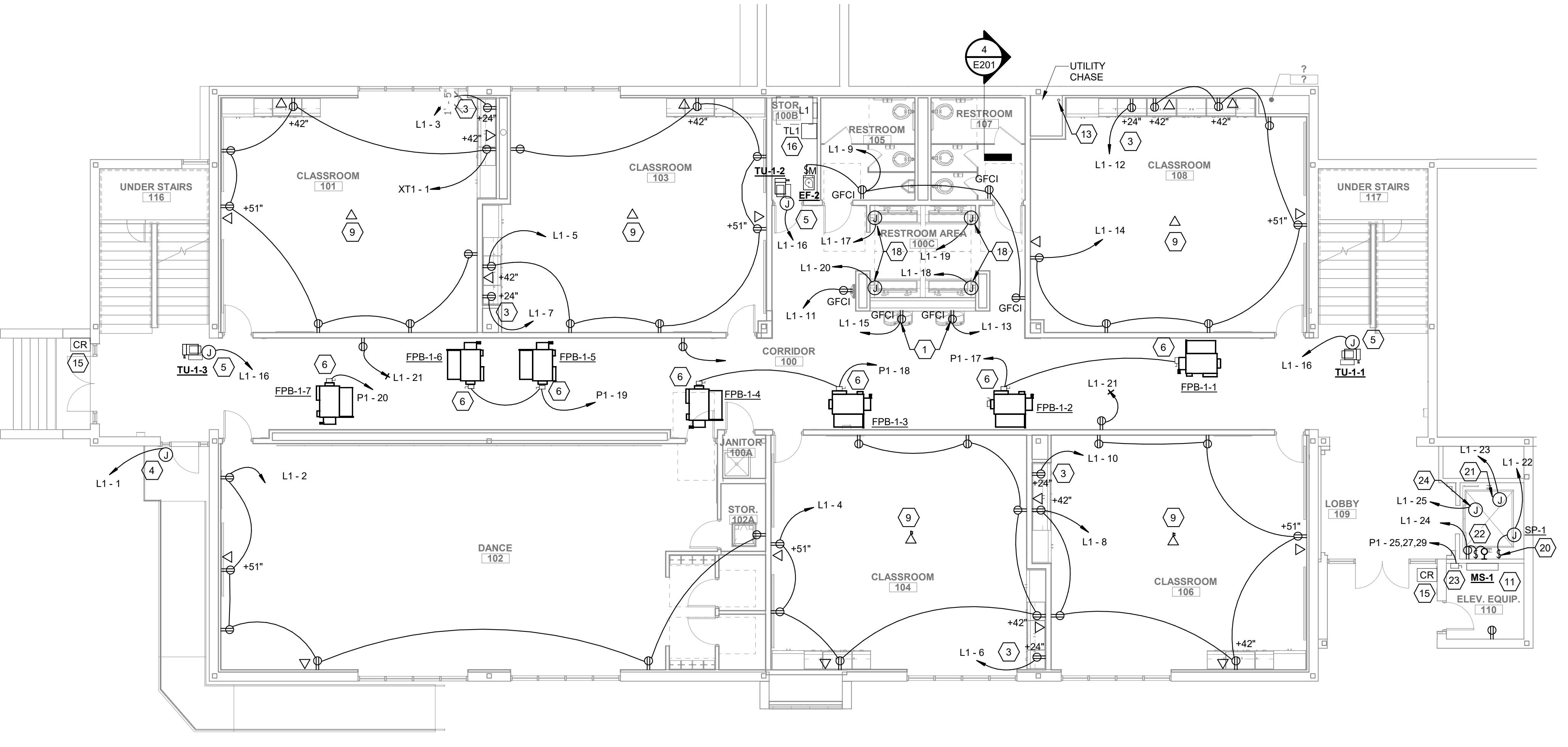
- ### SHEET KEYED NOTES
- POWER FOR ELECTRIC DRINKING FOUNTAIN. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED. COORDINATE WITH PLUMBING CONTRACTOR. PROVIDE GFCI BREAKERS FOR THESE CIRCUITS.
 - POWER FOR FIRE ALARM BOOSTER CABINET FOR NOTIFICATION DEVICES FOR THIS BUILDING. CONNECT TO EXISTING FIRE ALARM SYSTEM.
 - POWER IN CASEWORK FOR CLASS COMPUTERS. COORDINATE INSTALLATION OF RECEPTACLE AND DATA WITH CASEWORK.
 - POWER FOR CARD READER. COORDINATE FINAL LOCATION WITH SECURITY CONTRACTOR. ALL CONDUITS SHALL BE CONCEALED IN STORE FRONT. REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
 - POWER FOR TERMINAL UNIT CONTROLS. ELECTRICAL DISCONNECT PROVIDED BY DIVISION 23. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.
 - POWER FOR FAN POWERED BOX. PROVIDE 30A/3PH/20AF ELECTRICAL DISCONNECT AND CONNECT TO PANEL AS INDICATED. REFER TO ELECTRICAL ONE LINE DIAGRAM E601 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW 60A/3PH/1N DISCONNECT SWITCH FOR NEW ELECTRICAL WATER HEATER. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER. REFER TO ELECTRICAL ONE LINE DIAGRAM E601 FOR ADDITIONAL INFORMATION.
 - VFD FOR AHU-1 PROVIDED BY DIVISION 23. DIVISION 26 TO PROVIDE ALL REQUIRED ELECTRICAL CONNECTIONS. REFER TO ELECTRICAL ONE LINE DIAGRAM E601 FOR ADDITIONAL INFORMATION.
 - PROVIDE CEILING MOUNTED DATA CONNECTION FOR OWNER PROVIDED WAP. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
 - DIVISION 28 TO PROVIDE. INSTALL AND PROGRAM NEW DUCT SMOKE DETECTOR TO MONITOR NEW MECHANICAL EQUIPMENT AS SHOWN. COORDINATE INSTALLATION WITH DIVISION 23. UNIT SHALL SHUT DOWN UPON SENSING SMOKE.
 - MS-1 SHALL BE POWERED FROM ACCU-1 LOCATED ON ROOF. PROVIDE CONNECTIONS AS INDICATED BY EQUIPMENT MANUFACTURER. DISCONNECT TO BE PROVIDED BY DIVISION 23.
 - MS-2 SHALL BE POWERED FROM ACCU-2 LOCATED ON ROOF. PROVIDE CONNECTIONS AS INDICATED BY EQUIPMENT MANUFACTURER. DISCONNECT TO BE PROVIDED BY DIVISION 23.
 - NEW ELECTRICAL FEEDER SHALL STUB UP TO SECOND FLOOR IN CHASE. REFER TO ELECTRICAL BASEMENT PLAN FOR CONTINUATION. COORDINATE EXACT STUB UP OF FEEDER WITH MECHANICAL AND PLUMBING CONTRACTORS.
 - NEW ELECTRICAL FEEDER SHALL BE ROUTED ABOVE CEILING TO NEW PANEL P1 IN SECOND FLOOR ELECTRICAL ROOM. COORDINATE ROUTING OF FEEDER WITH MECHANICAL AND PLUMBING CONTRACTORS.
 - EXISTING CARD READER TO REMAIN.
 - NEW TRANSFORMER SHALL BE SUSPENDED FROM STRUCTURE. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
 - POWER FOR DDC CONTROL PANEL. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.
 - POWER FOR HAND DRYER. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED. COORDINATE EXACT HEIGHT WITH ARCHITECTURAL DRAWINGS.
 - FEEDER FROM AHU-1 TO VFD SHALL BE ROUTED OVERHEAD AS CLOSE TO STRUCTURE AS POSSIBLE.
 - PROVIDE 125VAC, 20A MOTOR RATED SWITCH WITH THERMAL OVERLOADS IN A NEMA 3R ENCLOSURE WITH LOCKOUT/TAGOUT FEATURE FOR ELEVATOR SUMP PUMP. SURFACE MOUNT TO WALL IN ACCESSIBLE LOCATION. COORDINATE INSTALLATION WITH ELEVATOR TECHNICIAN PRIOR TO COMMENCING WORK.
 - POWER FOR ELEVATOR CABIN CONTROLS. PROVIDE CONNECTIONS AS REQUIRED BY MANUFACTURER. COORDINATE INSTALLATION WITH ELEVATOR TECHNICIAN PRIOR TO COMMENCING WORK.
 - POWER FOR RECEPTACLE AND LIGHT IN ELEVATOR PIT. FIELD VERIFY EXACT LOCATION OF SWITCH AND RECEPTACLE.
 - PROVIDE NEW 480V-60A/3PH/40AF DISCONNECT SWITCH TO SERVE EXISTING ELEVATOR. ROUTE NEW CONDUITS TO PANEL AS SPECIFIED. REFER TO ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE WITH ELEVATOR EQUIPMENT REPRESENTATIVE FOR REQUIRED CONNECTIONS.
 - POWER FOR ELEVATOR CABIN EXHAUST FAN. PROVIDE CONNECTIONS AS REQUIRED BY MANUFACTURER. COORDINATE INSTALLATION WITH ELEVATOR TECHNICIAN PRIOR TO COMMENCING WORK.
 - EXISTING SECURITY CAMERA TO REMAIN. COORDINATE WITH ARCHITECT FOR ADDITIONAL INFORMATION.
 - EXISTING QUAD RECEPTACLE SHALL BE CONNECTED TO NEW BRANCH CIRCUIT AS INDICATED. PROVIDE NEW WIRING AS REQUIRED. REPLACE FACEPLATE WITH NEW TO MATCH NEW DEVICES.
 - VFD FOR RF-1 (LOCATED ON ROOF). PROVIDED BY DIVISION 23. DIVISION 26 TO PROVIDE ALL REQUIRED ELECTRICAL CONNECTIONS. REFER TO ELECTRICAL ONE LINE DIAGRAM E601 FOR ADDITIONAL INFORMATION.
 - POWER FOR AHU-1 CONTROLS. PROVIDE CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.
 - POWER FOR AHU-1 LIGHTS. PROVIDE CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.



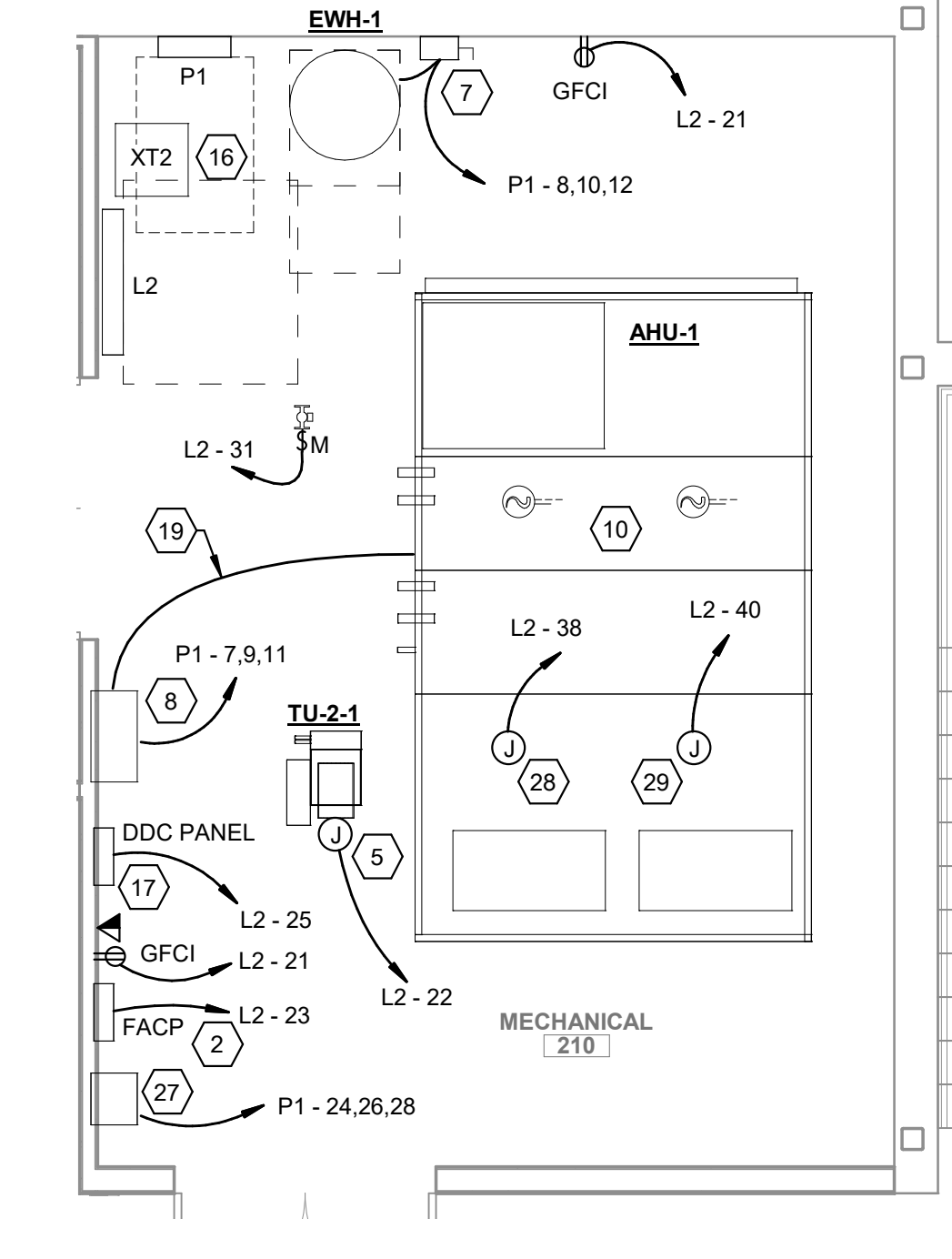
4 ELECTRICAL CONDUIT IN CHASE SECTION
1/4" = 1'-0"



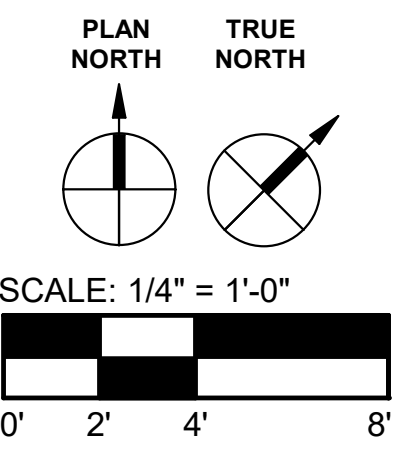
2 ELECTRICAL POWER FLOOR PLAN LEVEL 2
1/8" = 1'-0"



1 ELECTRICAL POWER FLOOR PLAN LEVEL 1
1/8" = 1'-0"



3 ENLARGED MECHANICAL ROOM LEVEL 2
1/4" = 1'-0"



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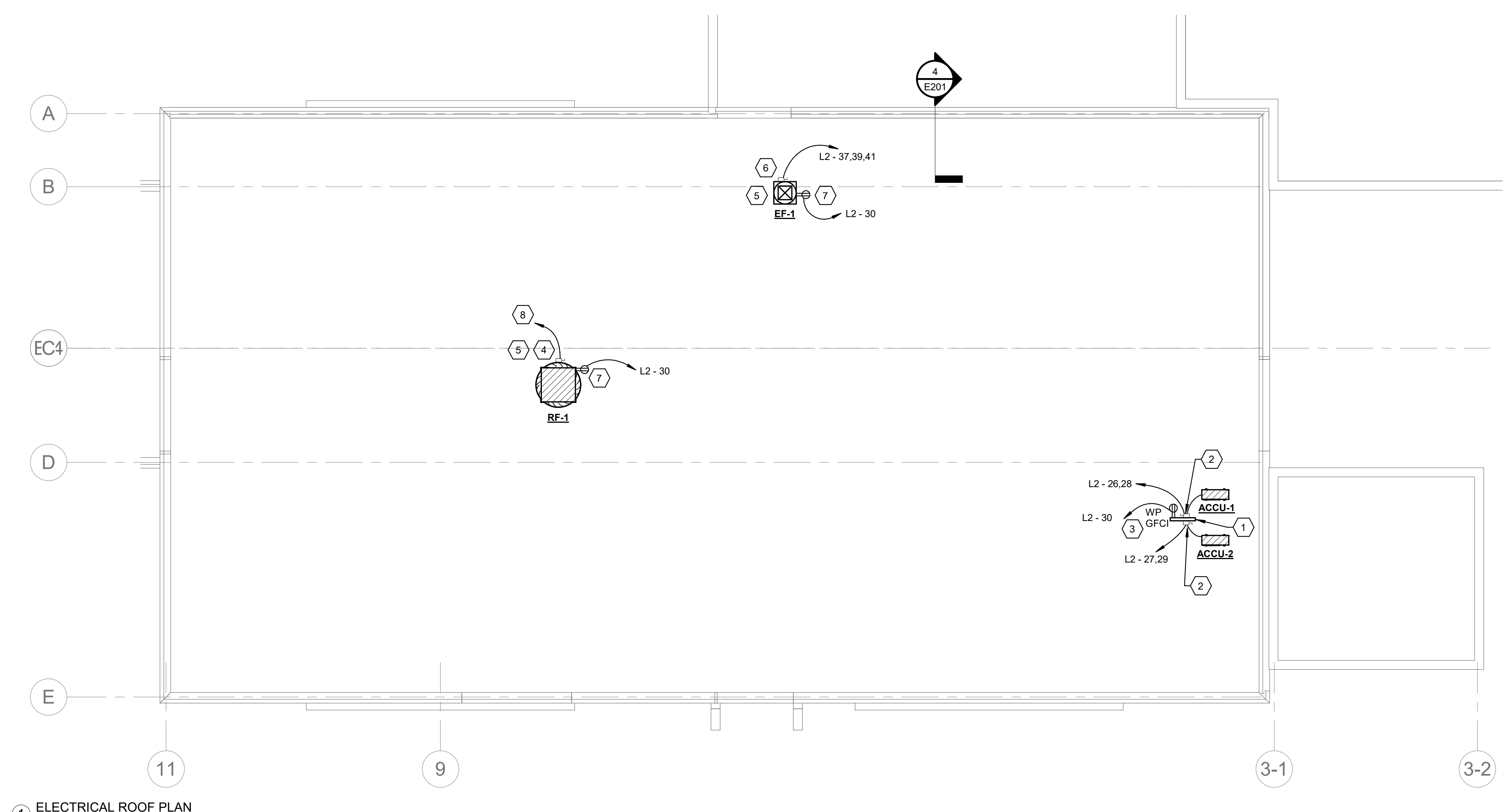
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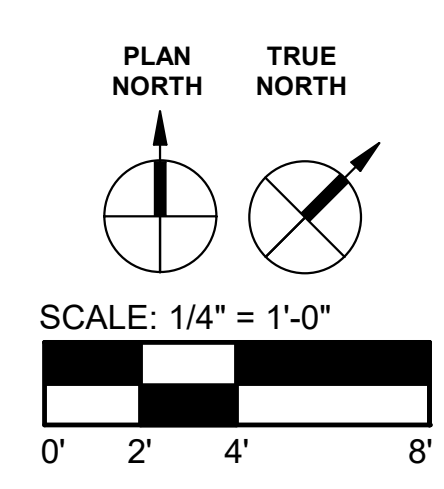
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- ### GENERAL NOTES
- REFER TO ELECTRICAL LEGEND AND GENERAL INFORMATION ON SHEET E001.
 - FOR 120V BRANCH CIRCUITS RUNS LESS THAN 60' IN LENGTH USE 2#12, #12G, 3/4"C. RUNS FROM 60' TO 99' IN LENGTH USE 2#10, #10G, 3/4"C. RUNS FROM 99' TO 157' IN LENGTH USE 2#8, #8G, 1"C.
 - COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
 - CONTRACTOR SHALL COORDINATE EXACT HEIGHT AND LOCATION OF ALL ELECTRICAL DEVICES WITH MILLWORK. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
 - REFER TO ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEETS E601 AND E701 FOR ADDITIONAL INFORMATION.

- ### SHEET KEYED NOTES
- CONTRACTOR SHALL PROVIDE UNISTRUT TO MOUNT RECEPTACLE AND DISCONNECT SWITCH. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
 - ELECTRICAL DISCONNECT PROVIDED BY DIVISION 23. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER. ROUTE 3#10, #10G, 3/4"C TO ELECTRICAL PANEL AS INDICATED.
 - ELECTRICAL RECEPTACLE FOR HVAC EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 26.
 - ELECTRICAL CONTRACTOR TO PROVIDE BRANCH CIRCUIT TO RELIEF FAN DISCONNECT SWITCH PROVIDED WITH MECHANICAL UNIT. ELECTRICAL POINT OF CONNECTION SHOWN IS FOR REFERENCE ONLY. COORDINATE INSTALLATION WITH MECHANICAL.
 - UL LIGHTING PROTECTION CONTRACTOR TO EVALUATE EXISTING LIGHTING PROTECTION SYSTEM ON ROOF AND MAKE REQUIRED MODIFICATIONS TO CONNECT AND INCORPORATE NEW MECHANICAL EQUIPMENT IN COMPLIANCE WITH NFPA AND MAINTAINING UL MASTER LABELING.
 - ELECTRICAL CONTRACTOR TO PROVIDE BRANCH CIRCUIT TO EXHAUST FAN DISCONNECT SWITCH PROVIDED WITH MECHANICAL UNIT. ELECTRICAL POINT OF CONNECTION SHOWN IS FOR REFERENCE ONLY. COORDINATE INSTALLATION WITH MECHANICAL.
 - ELECTRICAL RECEPTACLE PROVIDED WITH EQUIPMENT. CONTRACTOR SHALL PROVIDE CONNECTIONS AS REQUIRED.
 - TO VFD IN 2ND FLOOR MECH ROOM 210. REFER TO 3/E201 FOR ADDITIONAL INFORMATION.



1 ELECTRICAL ROOF PLAN
1/8" = 1'-0"



GENERAL NOTES

- A. REFER TO ELECTRICAL LEGEND AND GENERAL INFORMATION SHEET E001.
- B. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E701 FOR COMPLETE DESCRIPTION OF LIGHT FIXTURES SHOWN ON THIS SHEET.
- C. REFER TO ELECTRICAL ONE LINE DIAGRAMS AND PANEL SCHEDULES ON SHEET E601 FOR ADDITIONAL INFORMATION.
- D. ALL CEILING MOUNTED DEVICES ARE TO BE CENTERED IN CEILING TILE.
- E. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT OF WALL PACK FIXTURES.
- F. ALL EXIT LIGHT FIXTURES AND LIGHT FIXTURES WITH EMERGENCY BATTERY PACK SHALL HAVE AN ADDITIONAL HOT WIRE WHICH SHALL BE UNSWITCHED TO ENERGIZE EMERGENCY BATTERIES IN LIGHT FIXTURES CONNECTED TO THIS LIGHTING BRANCH CIRCUIT.
- G. FIRE ALARM DEVICES SHOWN ARE INTENDED TO IDENTIFY THE KEY COMPONENTS OF THE FIRE ALARM SYSTEM. A CERTIFIED FIRE ALARM CONTRACTOR WILL REVIEW BUILDING USE AND DESIGN A FIRE ALARM SYSTEM IN COMPLIANCE WITH NFPA 72, LOCAL CODES AND AUTHORITY HAVING JURISDICTION. THE CERTIFIED FIRE ALARM CONTRACTOR SHALL CREATE A SHOP DRAWINGS SUBMITTAL PACKAGE COMPLETE WITH ALL REQUIRED COMPONENTS, ALL REQUIRED CALCULATIONS AND LAYOUT WIRING DRAWINGS FOR A COMPLETE WORKING SYSTEM.
- H. ALL FIRE ALARM CEILING MOUNTED DEVICES SHALL BE CENTERED ON TILE.
- I. PROVIDE STUB-UPS AND CONDUIT ABOVE CEILING FOR ALL INACCESSIBLE SPACES FOR FIRE ALARM WIRING.
- J. NEW FIRE ALARM DEVICES SHALL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM.

SHEET KEYED NOTES

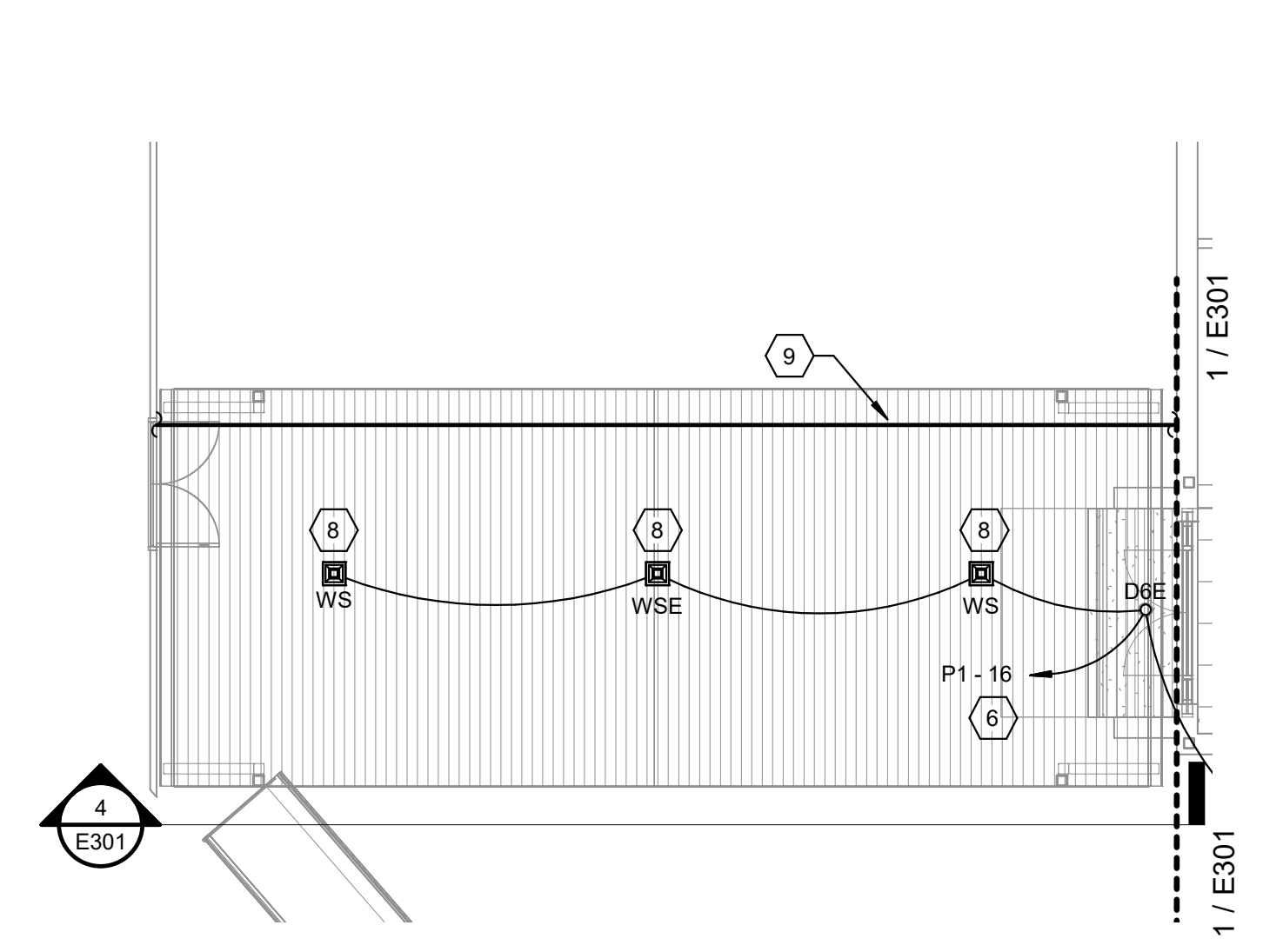
- 1. PROVIDE LUTRON VIVE WIRELESS CORNER MOUNT OCCUPANCY SENSOR CAT # LRF2-OKL-P-WH. SENSOR SHALL BE MOUNTED 6" BELOW CEILING. PROVIDE LUTRON POWER PACK RMJS-ST-DV-B.
- 2. PROVIDE LUTRON PICO 3 BUTTON WIRELESS DIMMER SWITCH WITH RAISE/LOWER BUTTONS, CAT # P32-SRL-GWH-LD1 WITH PICO WALL BOX ADAPTER CAT #WBX-ADAPT. CONTRACTOR SHALL PROVIDE CONTROL WIRING AS REQUIRED.
- 3. WALL MOUNT FIXTURES (WL4) AT 74" A.F.F. REFER TO ARCHITECT ELEVATIONS FOR ADDITIONAL INFORMATION.
- 4. PROVIDE FIRE ALARM BOOSTER CABINET FOR NOTIFICATION DEVICES FOR THIS BUILDING. CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 5. CONTRACTOR TO PROVIDE AND INSTALL NEW PHOTOCELL MOUNTED ON ROOF POINTING NORTH.
- 6. ALL EXTERIOR LIGHT FIXTURES SHALL BE CONTROLLED BY NEW PHOTOCELL.
- 7. EXISTING WALL PACK TO REMAIN. CONNECT TO NEW BRANCH CIRCUIT AND CONTROLS AS INDICATED.
- 8. NEW CANOPY FIXTURES SHALL BE SURFACE MOUNTED TO BOTTOM OF CANOPY ROOF STRUCTURE.
- 9. NEW 2" I.T. CONDUIT TO FEED RENOVATED ANNEX BUILDING. COORDINATE WITH BRYAN ISD IT REPRESENTATIVE FOR TERMINATION OF CONDUIT ON BOTH ENDS. CONDUIT TO BE ROUTED ON CANOPY AS HIGH AS POSSIBLE. PROVIDE SUPPORT FROM CANOPY STRUCTURE AS REQUIRED.
- 10. REFER TO 1ST FLOOR LIGHTING PLAN FOR CONTINUATION.

CONTROL LIGHTING SEQUENCE

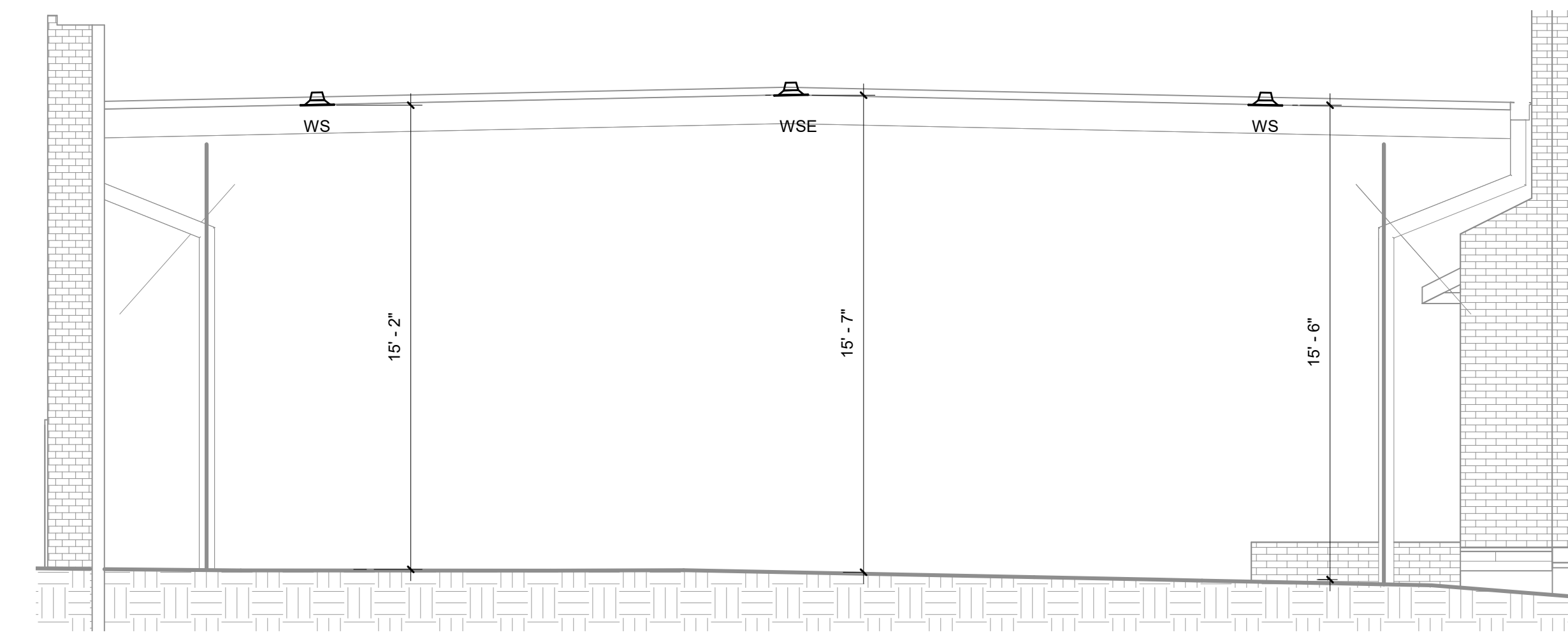
- A) BELOW IS THE REQUIRED SETTING FOR LIGHT CONTROL:
- MOTION ACTIVATION OF OCCUPANCY SENSOR TURNS FIXTURES ON TO 50%
 - LOCAL SWITCH ACTIVATION TO RAISE LIGHTING LEVEL TO 100%.
 - SENSOR TO AUTOMATICALLY SHUT OFF FIXTURES AFTER 30 MINUTES OF NO MOTION.

CLASSROOM SWITCHING NOTE

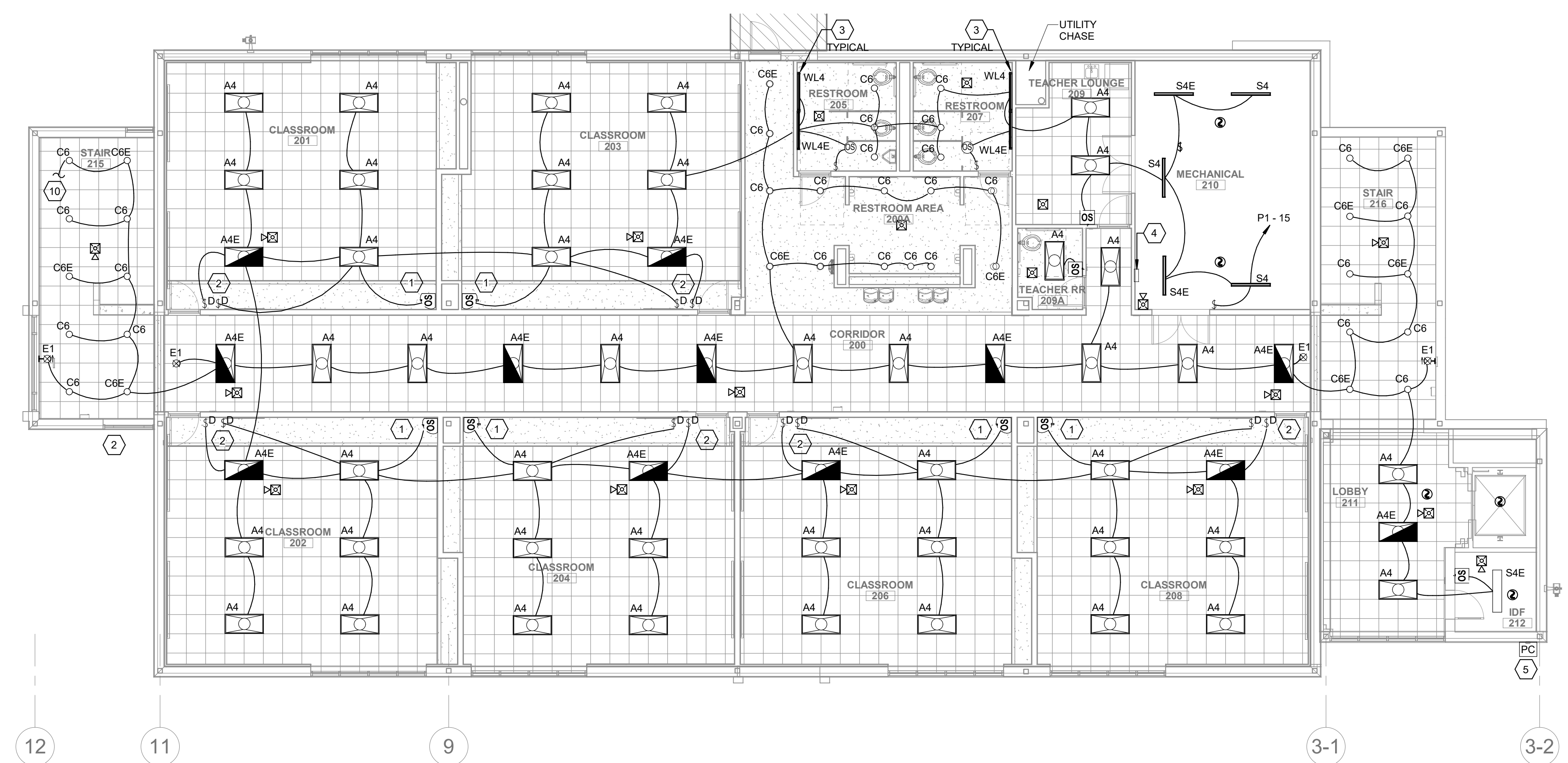
CLASSROOM LIGHT FIXTURES TO BE GROUPED AND SWITCHED IN 2 GROUPS. ONE SWITCH SHALL CONTROL THE ROW OF LIGHTS CLOSEST TO THE WHITE BOARD. SECOND SWITCH SHALL CONTROL REST OF THE LIGHTS IN ROOM. COORDINATE FINAL LOCATION OF WHITEBOARD/PROJECTOR.



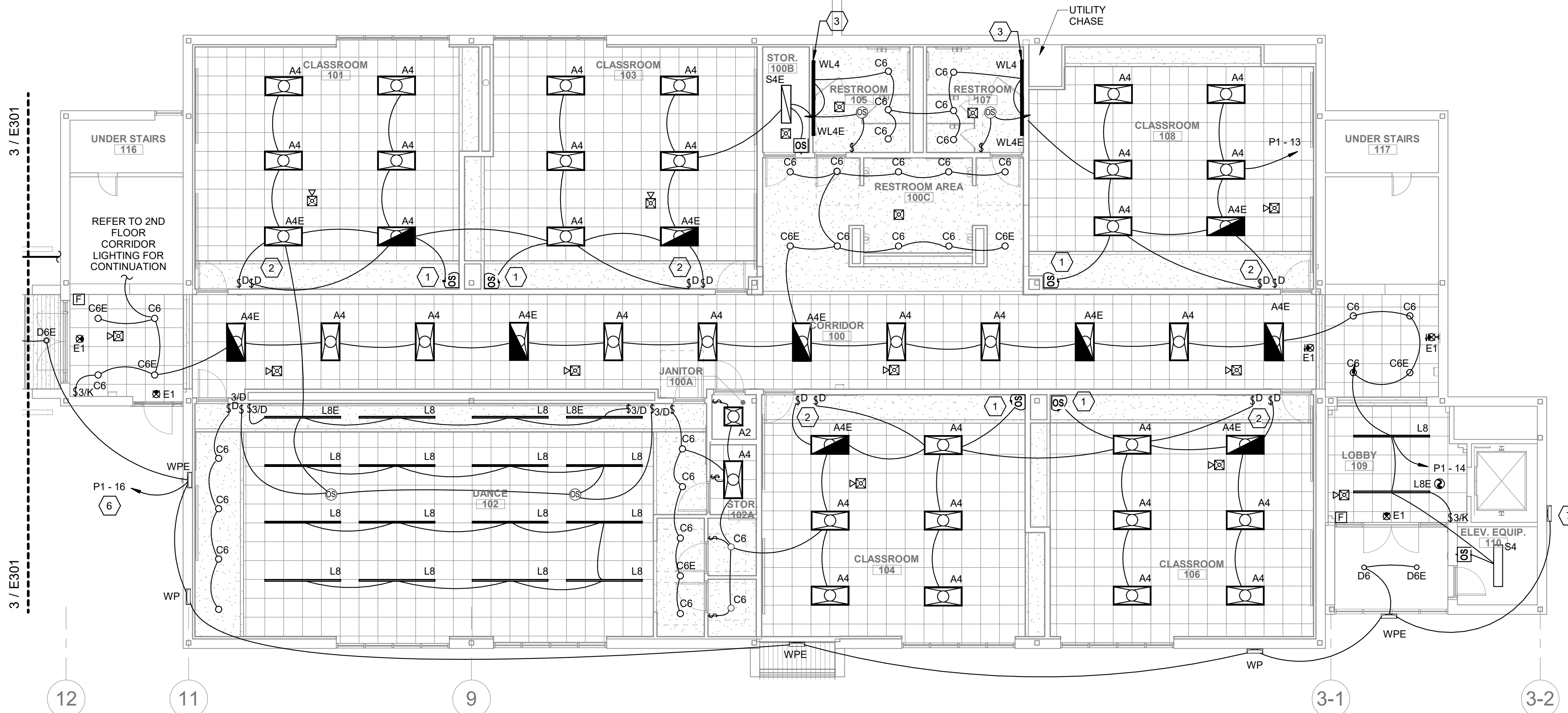
3 LIGHTING FLOOR PLAN LEVEL 1 EXTERIOR CANOPY
1/8" = 1'-0"



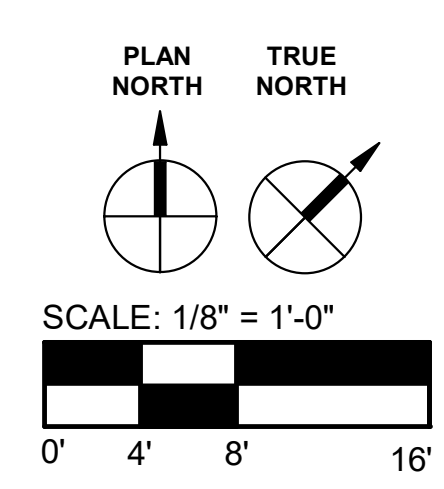
4 CANOPY ELEVATION - LIGHTING
1/4" = 1'-0"



2 LIGHTING FLOOR PLAN LEVEL 2
1/8" = 1'-0"



1 LIGHTING FLOOR PLAN LEVEL 1
1/8" = 1'-0"



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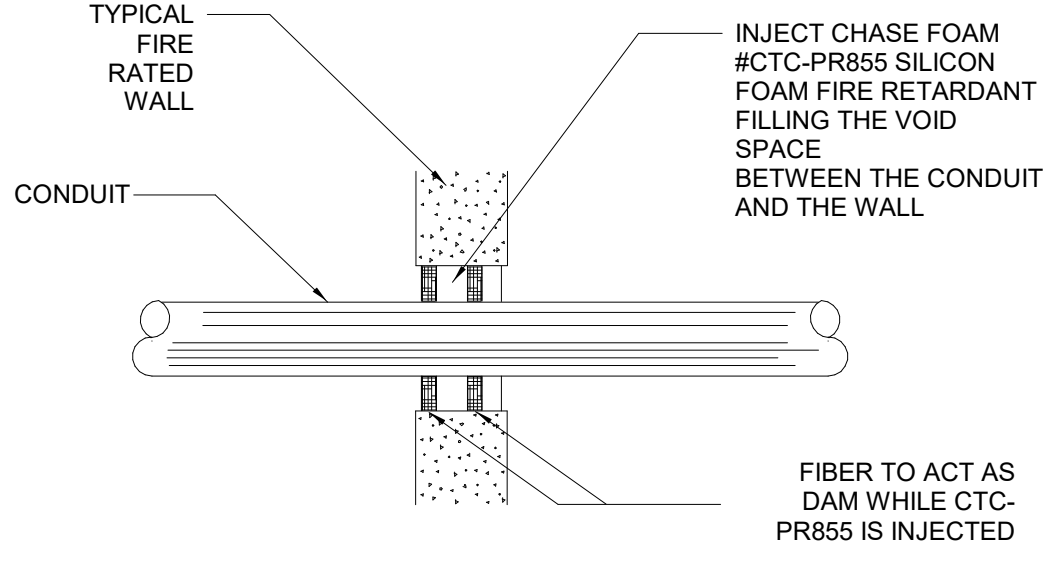
REVISIONS	
NUMBER	DATE

BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
LIGHTING RENOVATION PLANS

Project Number:
201928
Sheet issue date:
2020-05-21

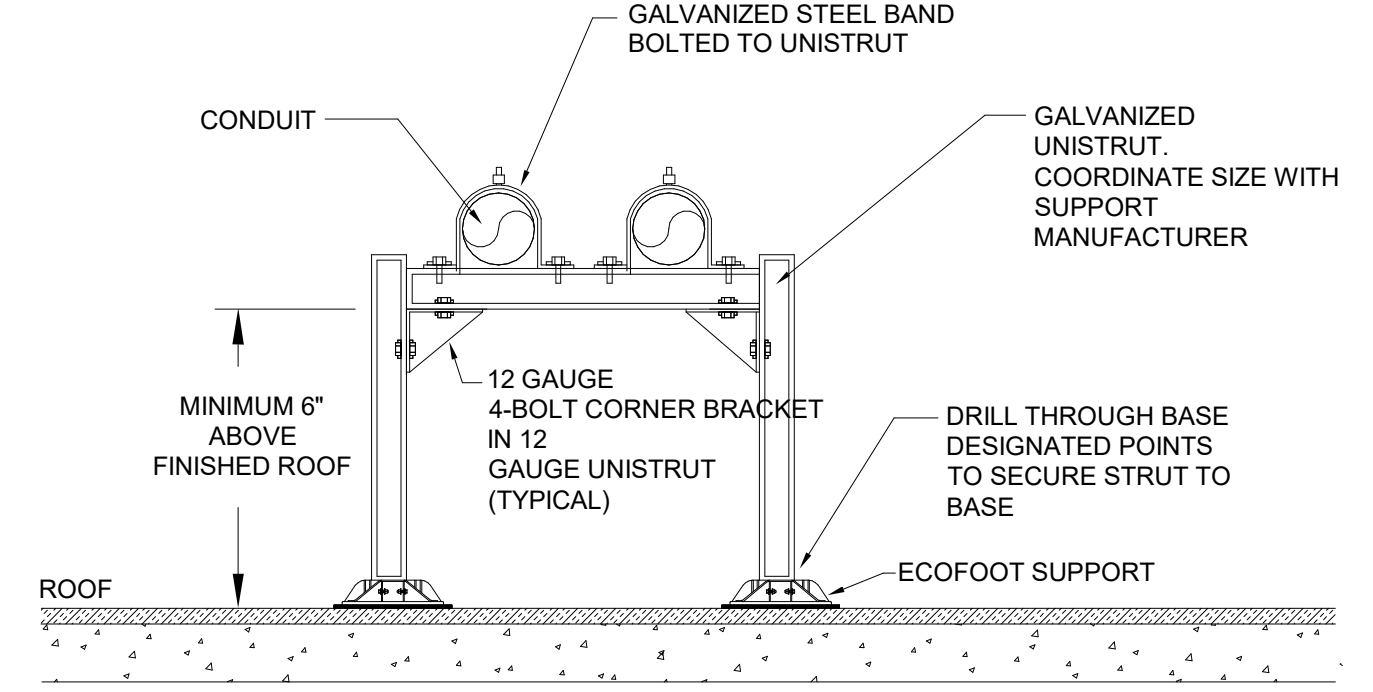
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REVISIONS	
NUMBER	DATE



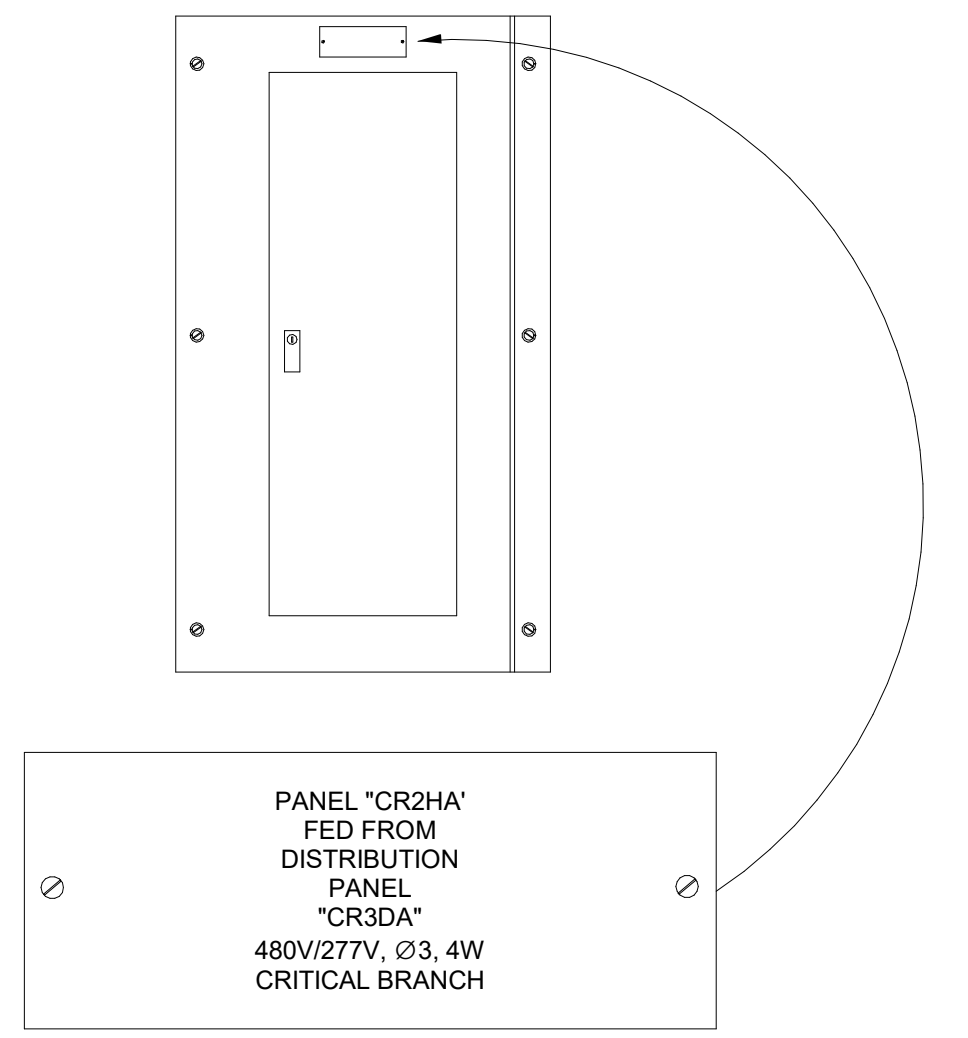
NOTE
FIRE RATING OF COMPLETED FIREPROOFED ASSEMBLY SHALL EQUAL OR EXCEED THE FIRE RATING OF THE WALL

9 FIREWALL PENETRATION DETAIL
SCALE = NONE



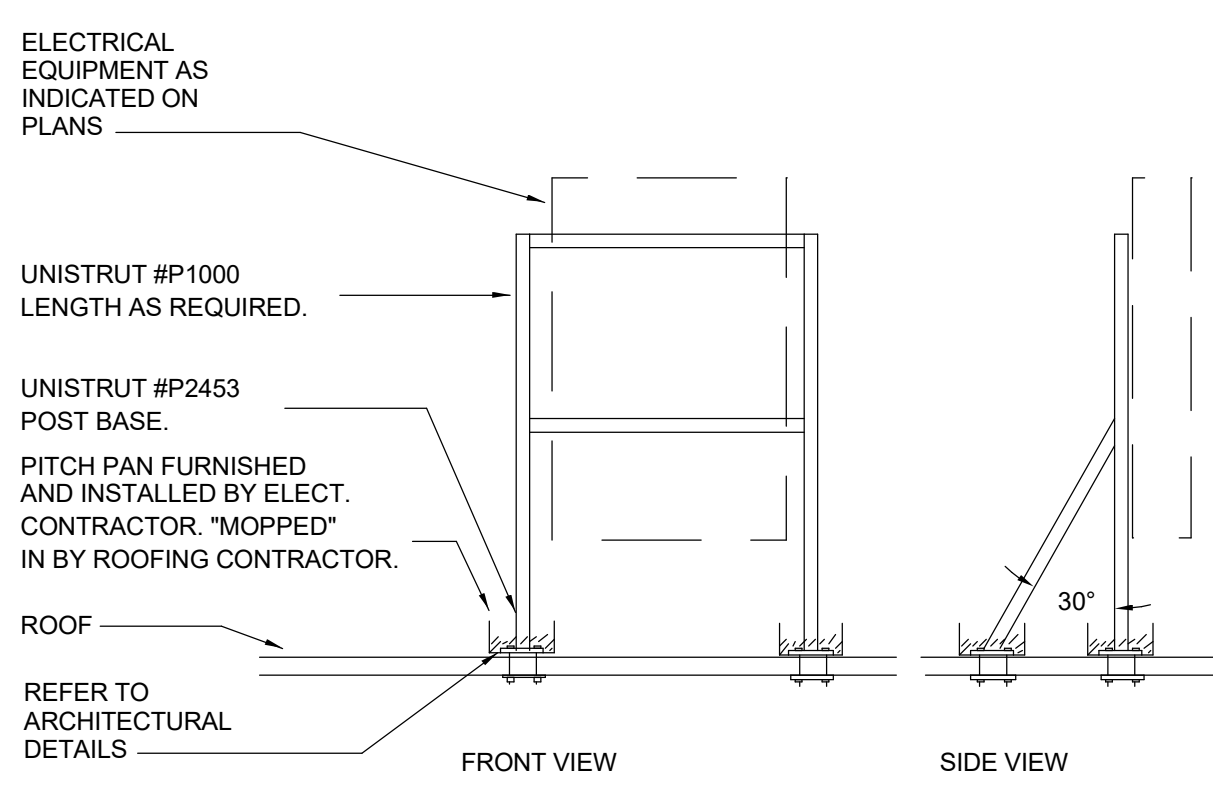
- NOTES:**
1. ALL UNISTRUT AND HARDWARE SHALL BE GALVANIZED.
 2. SPACING OF SUPPORTS PER SPECIFICATIONS. SUPPORT SPACING SHALL BE BASED ON THE SMALLEST DIAMETER CONDUIT SUPPORTED BY THE RACK.
 3. ATTACH SUPPORT BASE TO ROOF MEMBRANE WITH MASTIC APPROVED FOR USE WITH ROOFING SYSTEM.
 4. REFER TO SUPPORT BASE MANUFACTURER FOR REQUIRED COMPONENTS AND INSTALLATION.

6 CONDUIT SUPPORT ON ROOF DETAIL
SCALE = NONE

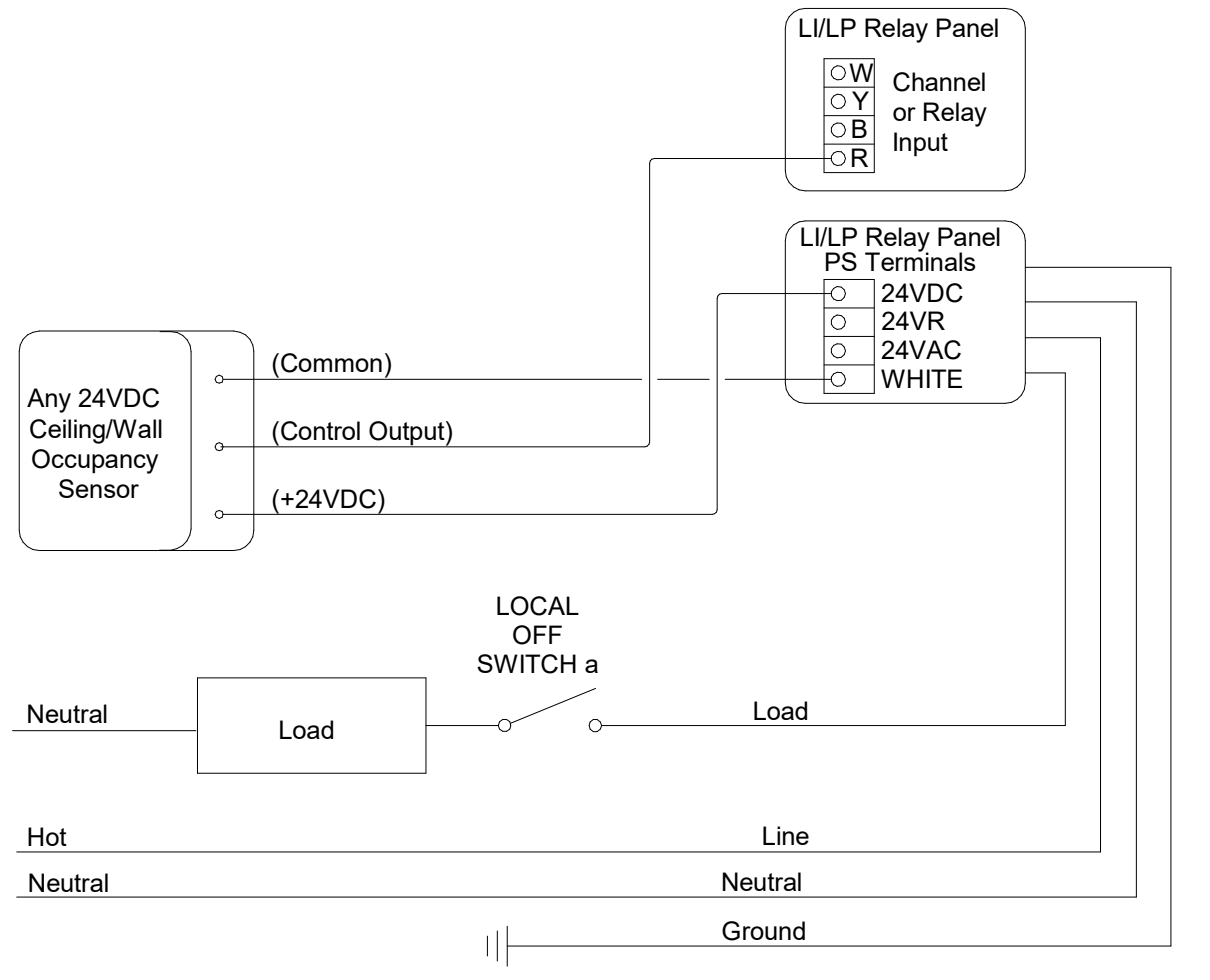


NOTE
ALL PANEL BOARDS, DISCONNECT SWITCHES, VFD's, ELECTRICALLY SERVED EQUIPMENT, ETC IN THIS PROJECT SHALL BE IDENTIFIED BY THE PANEL NAME, SOURCE PANEL, VOLTAGE/PHASE, AND ELECTRICAL BRANCH OF THE ELECTRICAL SYSTEM. RE: SPECIFICATIONS FOR COLORS AND ADDITIONAL INFORMATION.

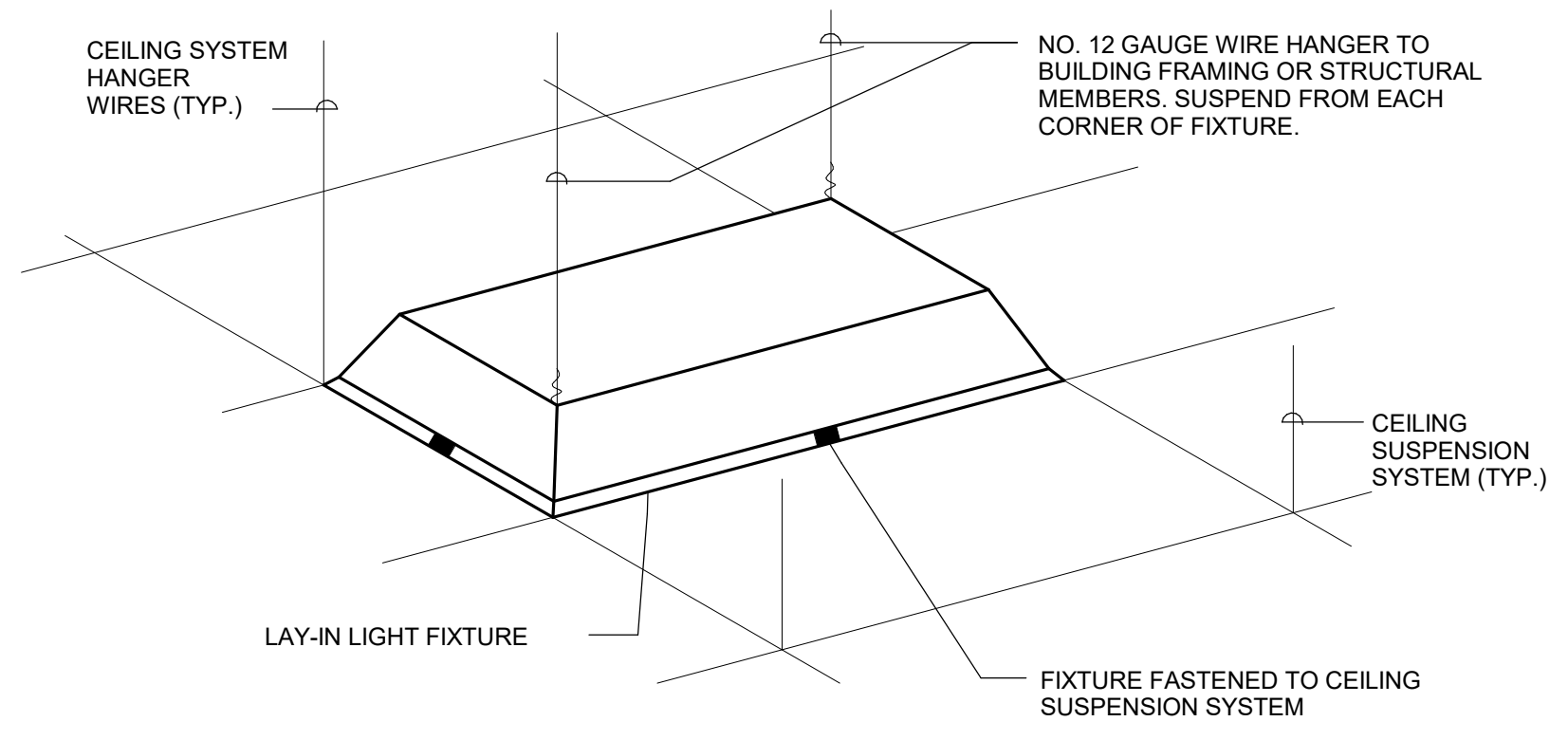
3 TYPICAL EQUIPMENT IDENTIFICATION TAG DETAIL
SCALE = NONE



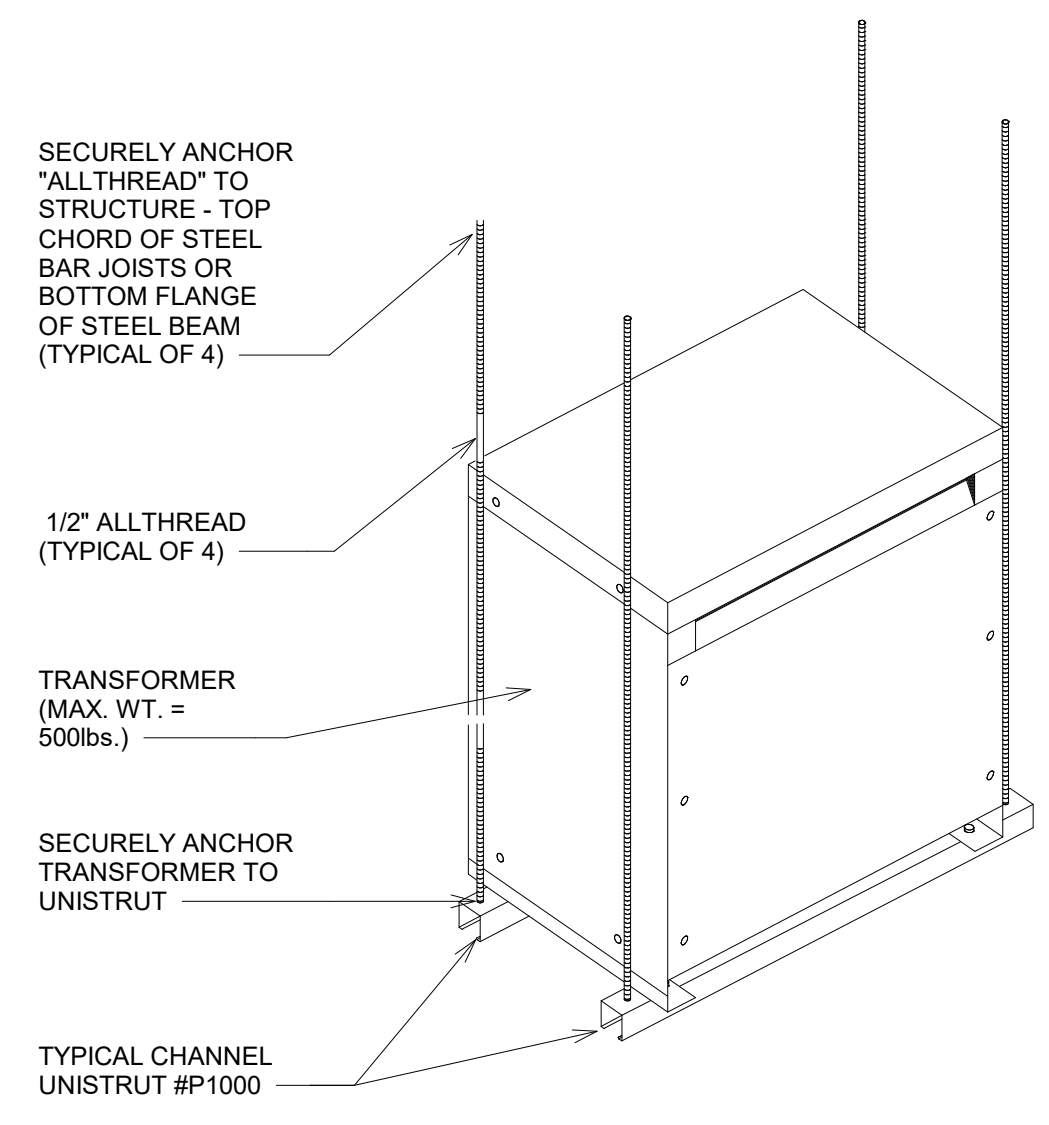
8 ROOF STAND FOR ELEC. EQUIPMENT
SCALE = NONE



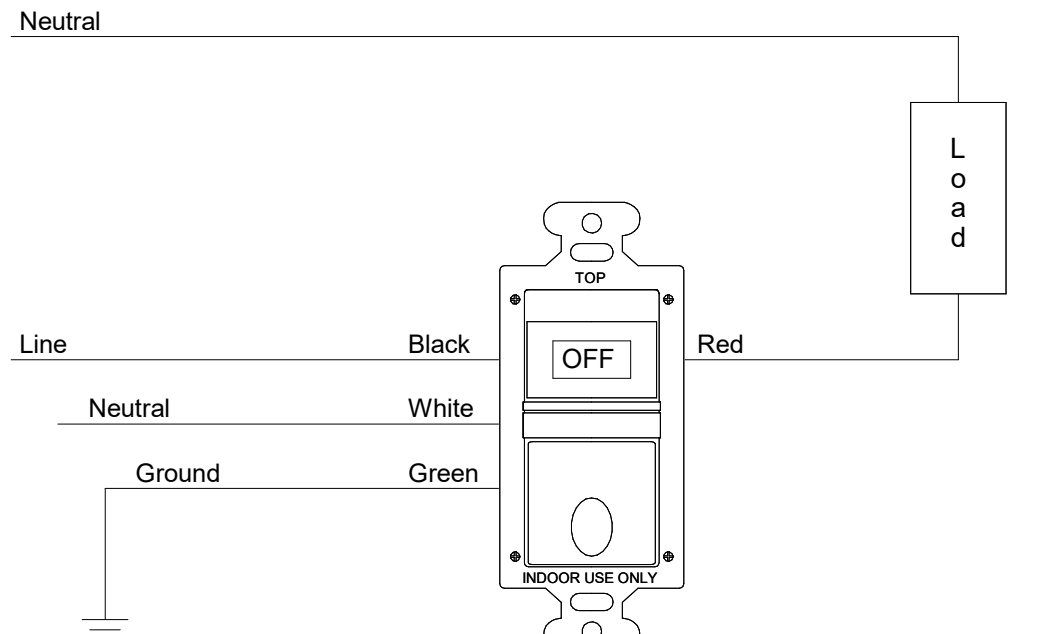
5 WALL MOUNTED LIGHT SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR
SCALE = NONE



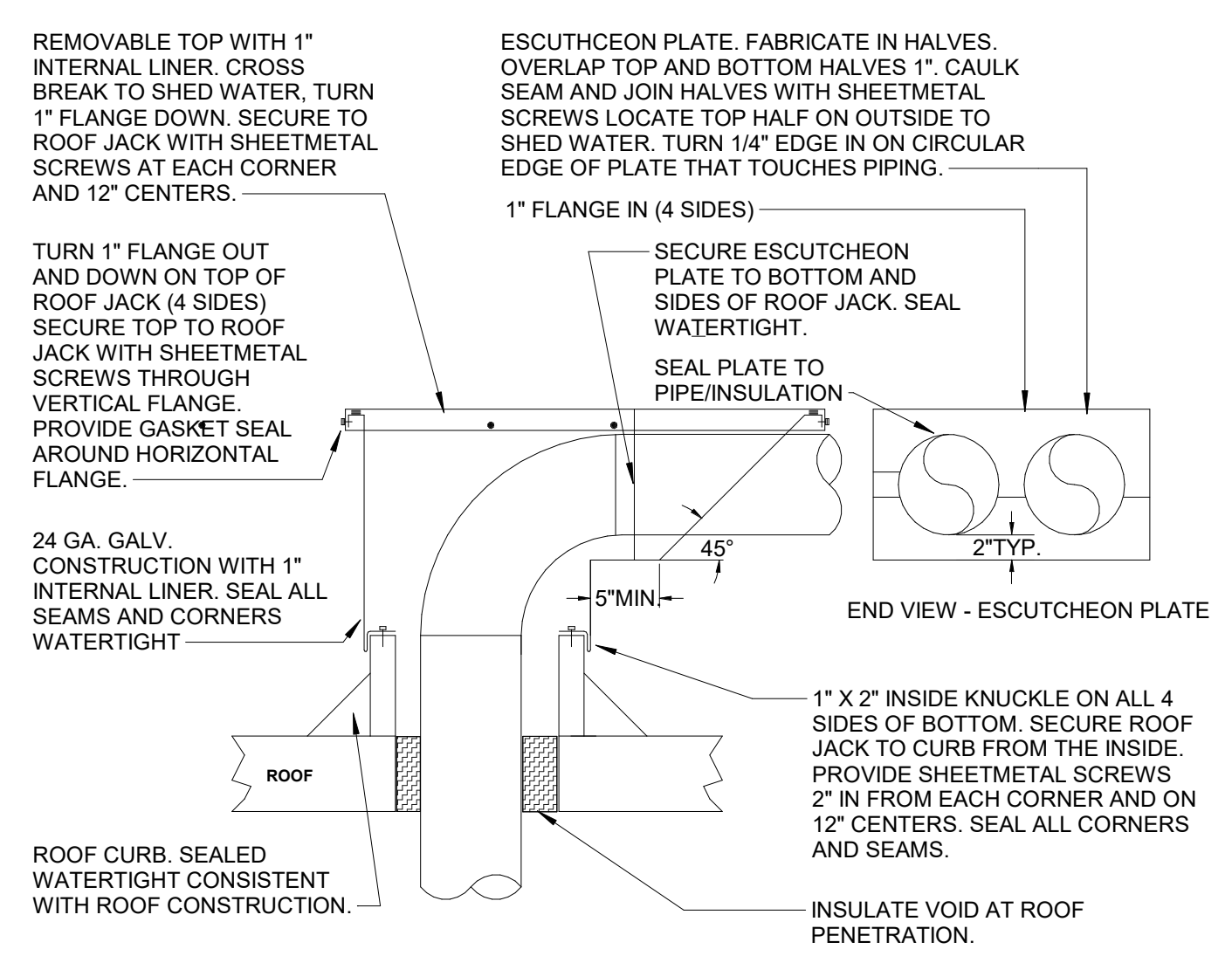
2 LIGHT FIXTURE SUPPORT DETAIL
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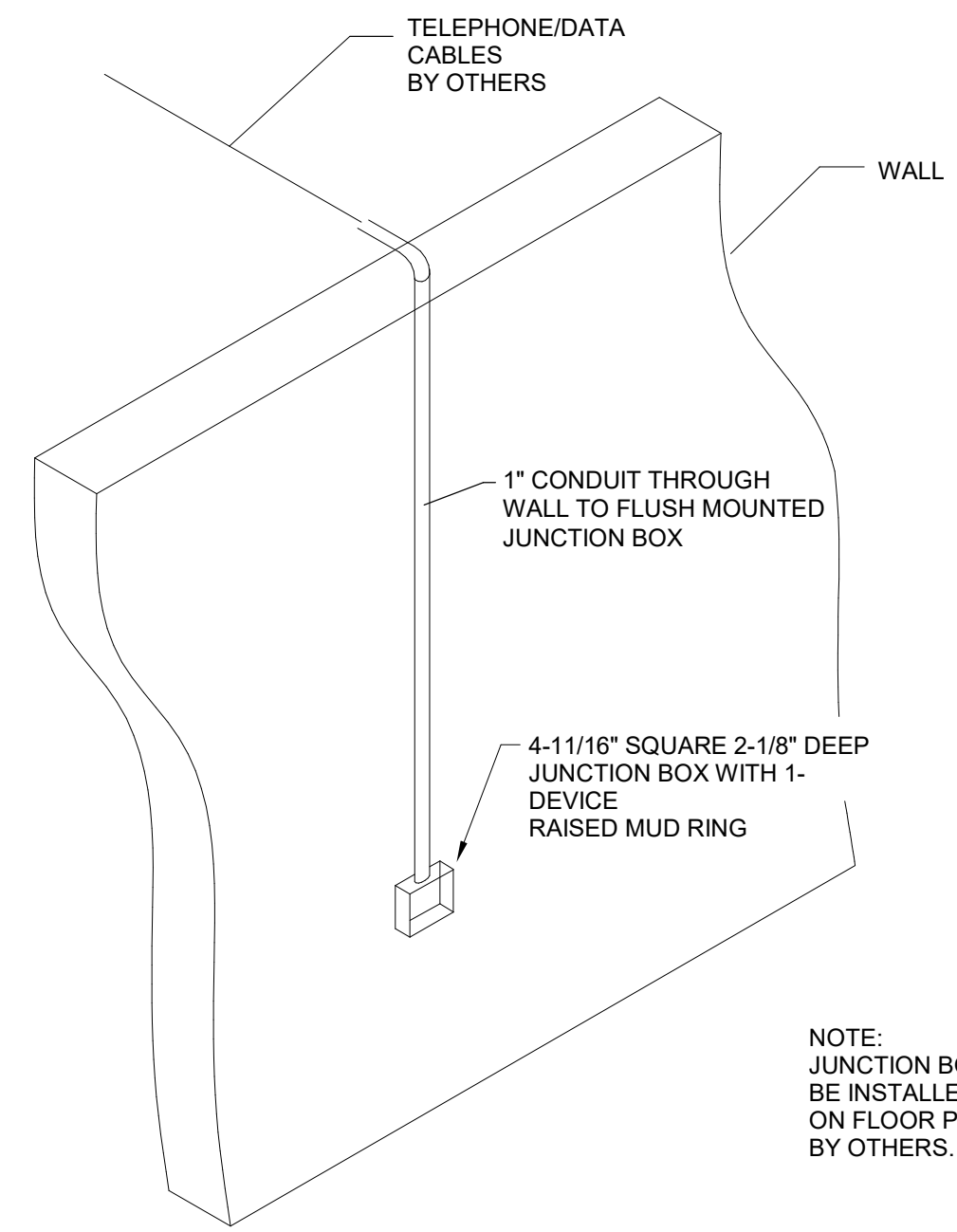
10 SUSPENDED TRANSFORMER DETAIL
SCALE = NONE



7 WALL MOUNTED OCCUPANCY SENSOR
SCALE = NONE



4 CONDUIT THRU ROOF DETAIL
SCALE = NONE



1 TELECOMMUNICATION BOX DETAIL
SCALE = NONE

SHEET KEYED NOTES

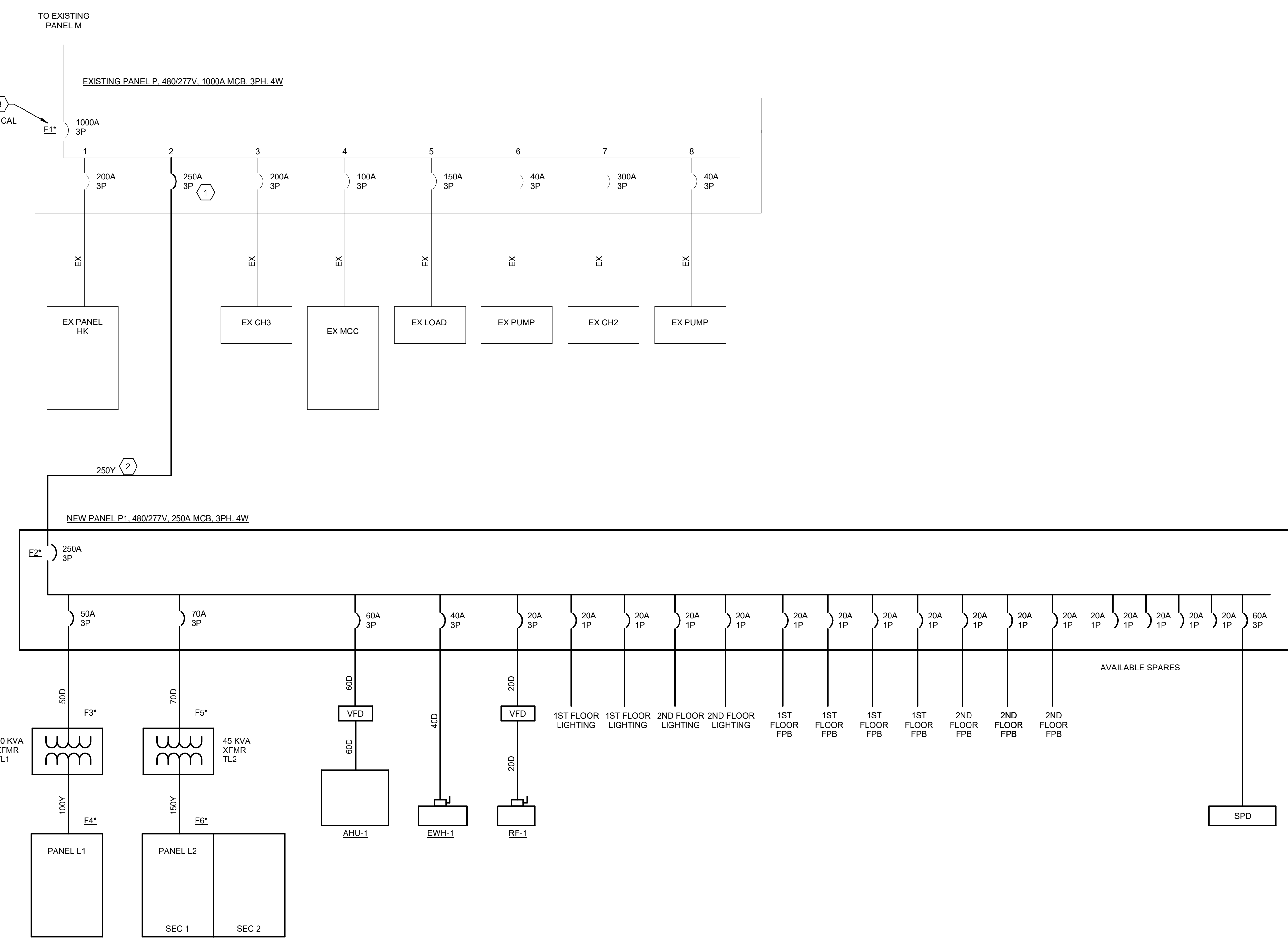
- 1. PROVIDE NEW 250A 3POLE BREAKER IN AVAILABLE SPACE IN EXISTING PANEL P. PROVIDE CONNECTIONS AS REQUIRED.
- 2. CONTRACTOR SHALL COORDINATE EXACT ROUTING OF NEW FEEDERS WITH EXISTING CONDITIONS. REFER TO ELECTRICAL BASEMENT FLOOR PLAN E200 FOR ADDITIONAL INFORMATION.
- 3. REFER TO FAULT CURRENT CALCULATOR ON THIS SHEET FOR CALCULATED AVAILABLE FAULT AT THIS POINT.
- 4. EXISTING 150A 3P BREAKER FEEDING DEMOLISHED PANEL P1 SHALL BE REMOVED TO ALLOW FOR NEW 250 AMP BREAKER. PROVIDE CONNECTIONS AS REQUIRED.
- 5. EXISTING FEEDER SHALL BE REMOVED BACK TO PANEL P.
- 6. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED ALONG WITH ASSOCIATED COMPONENTS BACK TO SOURCE.
- 7. CONTRACTOR SHALL CIRCUIT TRACE EXISTING FEEDER FOR DEMOLISHED PANEL P3 AND REMOVE ALONG WITH ASSOCIATED ELECTRICAL COMPONENTS BACK TO SOURCE. EXISTING BREAKER SHALL BE TURNED INTO THE OFF POSITION AND MARKED AS SPARE. UPDATE EXISTING PANEL DIRECTORY CARD.

ELECTRICAL LOAD SUMMARY
BRYAN ISD SFA ANNEX

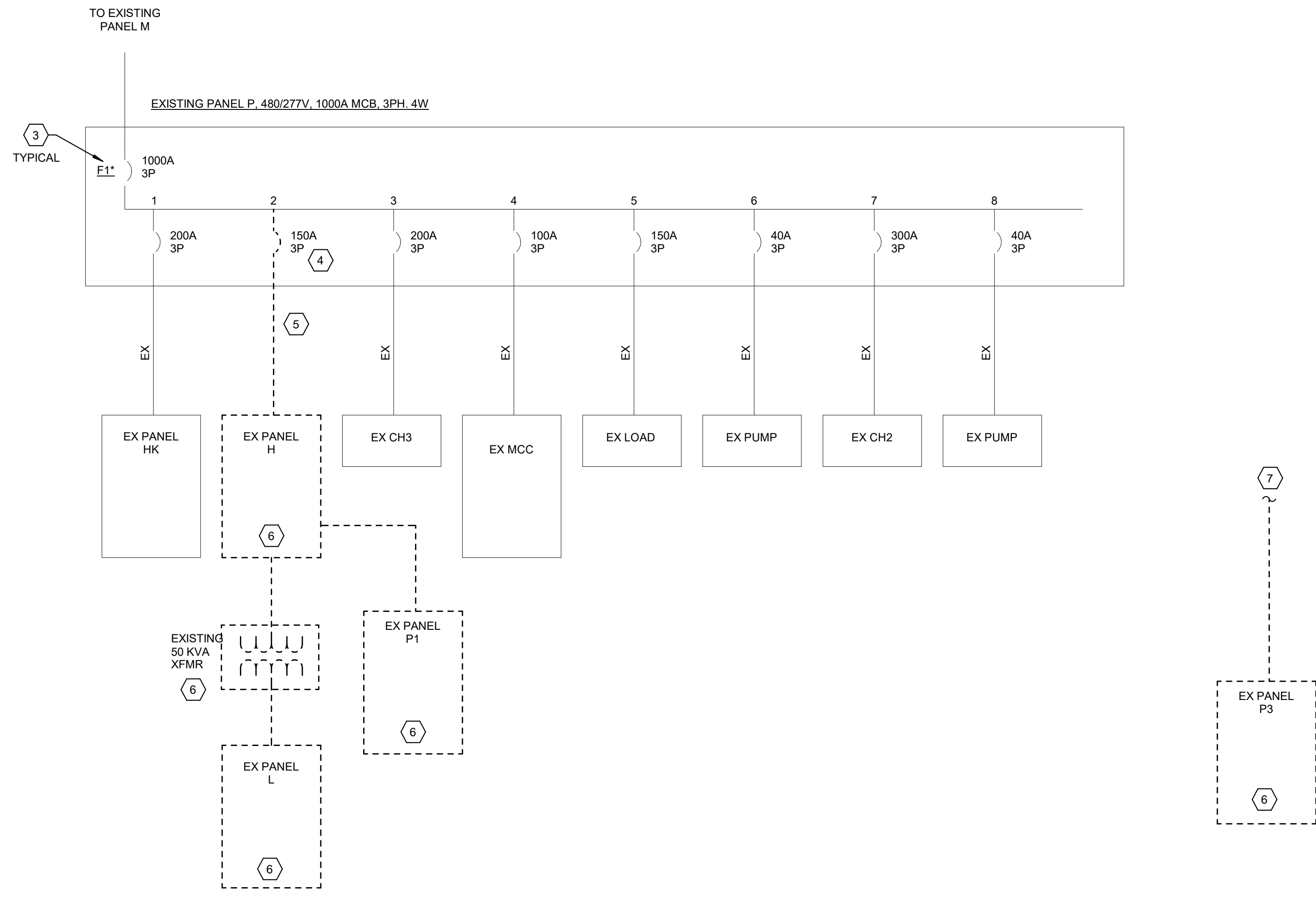
Occupancy, HVAC, Plumbing equipment details. Tables for Lighting, Receptacle, and Equipment loads with columns for BLDG SQFT, Watts, Demand Factor, and Total KVA.

FEEDER SCHEDULE

Table listing conductor types and sizes for three-phase three-wire and four-wire ground feeders, including 20Y, 25Y, 30Y, etc.



2 ELECTRICAL ONE-LINE DIAGRAM - RENOVATION NTS



1 ELECTRICAL ONE-LINE DIAGRAM DEMOLITION NTS

FAULT CURRENT CALCULATOR

Calculator input fields for Source (BRYAN ISD), Description (Assumes infinite primary), and Assumptions (1) 600 Volt rated conductors/cables only.

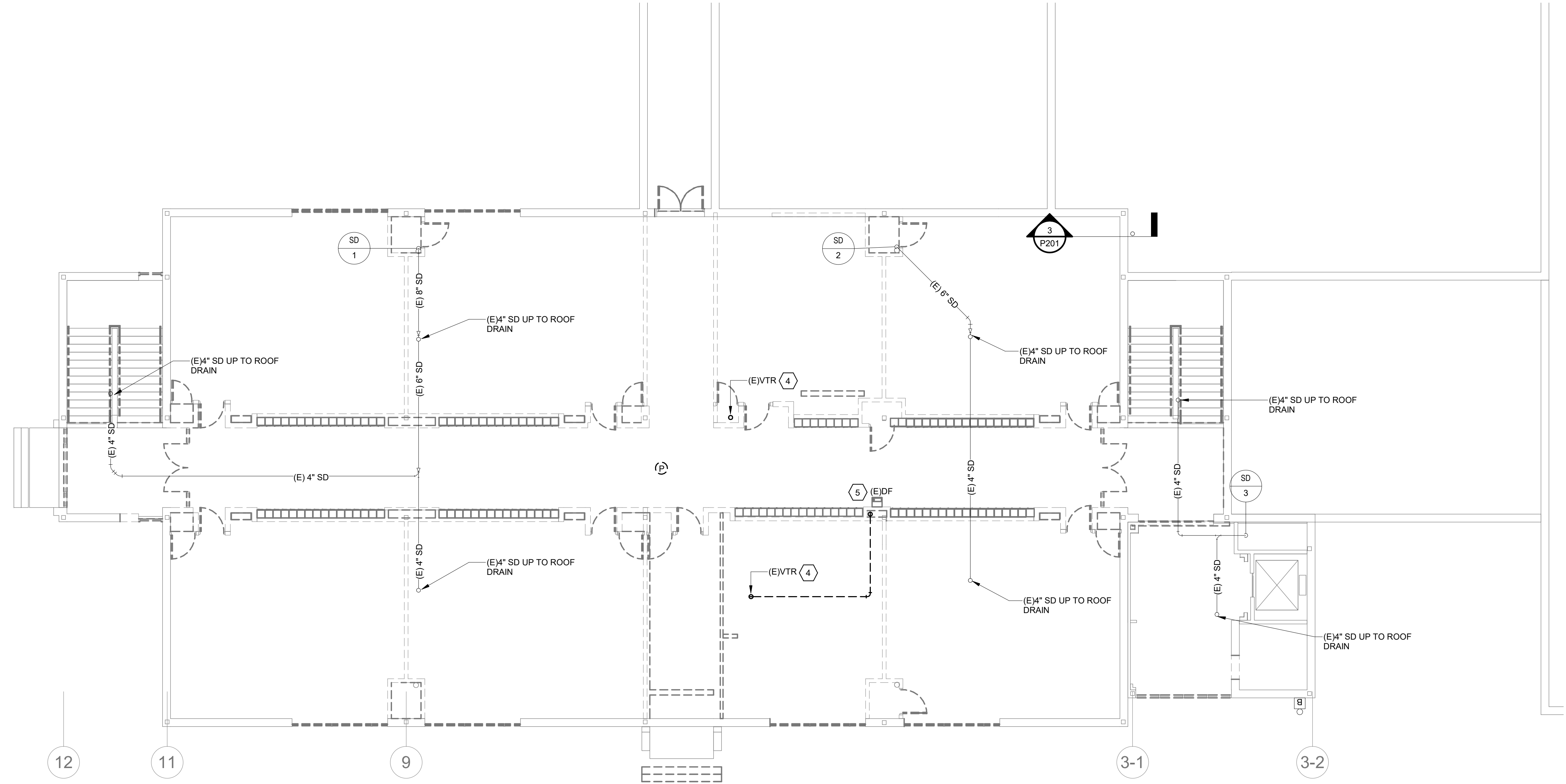
Tables for KNOWN FAULT INFORMATION, SECOND TRANSFORMER IN SYSTEM (DRY-TYPE), and FEEDER/BRANCH CIRCUIT CALCULATION with columns for fault point, equipment, and conductor details.

GENERAL NOTES

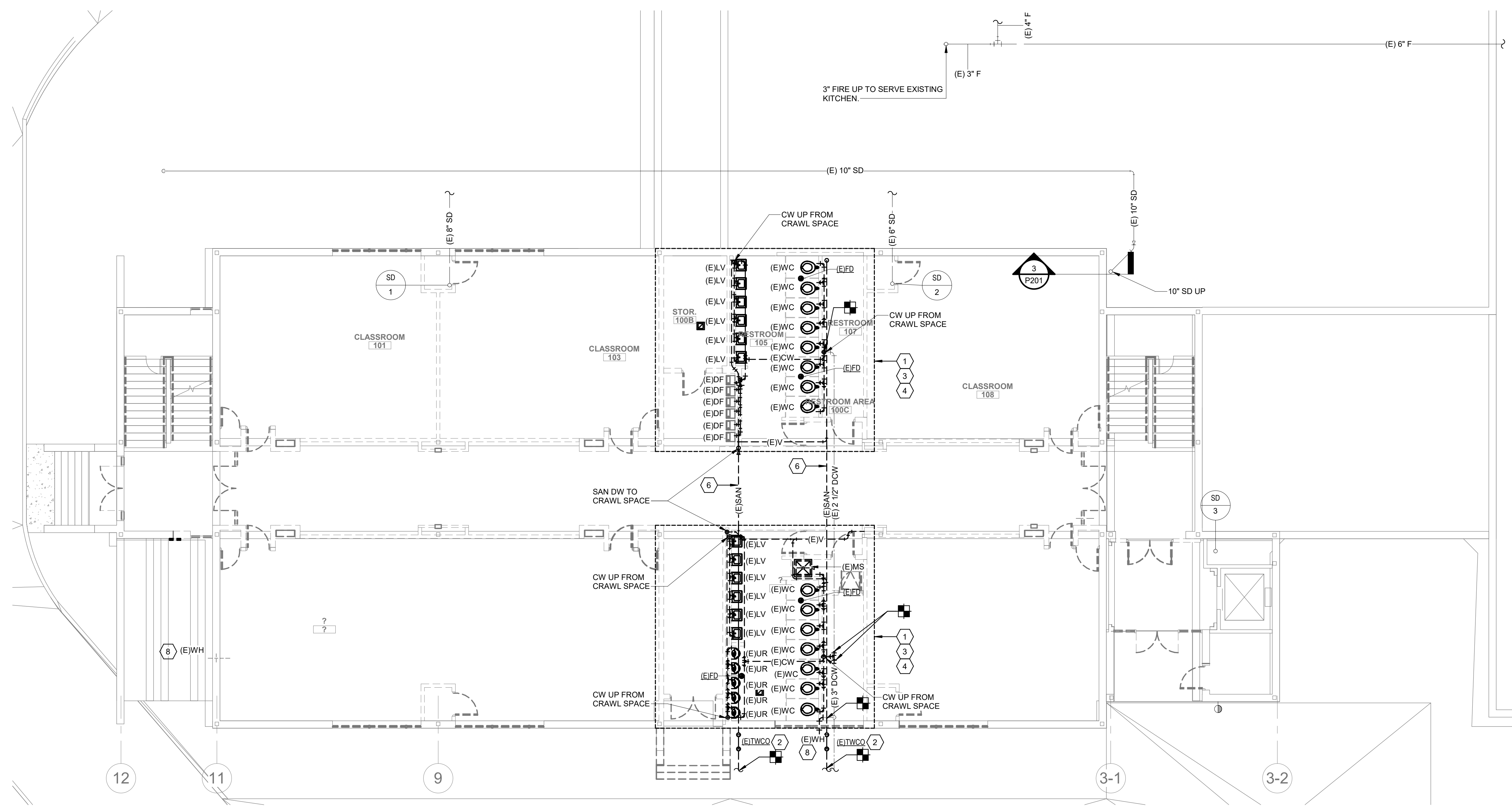
- A. REFER TO SHEET P001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- B. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH BECOME DAMAGED OR CONTAMINATED BY CONSTRUCTION ACTIVITY.

SHEET KEYED NOTES

1. DEMOLISH ALL EXISTING PLUMBING FIXTURES AT LOCATION INDICATED. DEMOLISH ALL EXISTING SANITARY LINE BACK TO MAIN LOCATED IN CRAWL SPACE.
2. DEMOLISH EXISTING TWO-WAY CLEANOUT AT LOCATION INDICATED.
3. ALL EXISTING COLD WATER SERVING EXISTING PLUMBING FIXTURES SHALL BE DEMO BACK TO MAIN AND CAP. DEMOLISH WATER PIPING BACK TO LOCATION INDICATED IN CRAWL SPACE.
4. DEMOLISH EXISTING VENT PIPING. CONTRACTOR SHALL SEAL ROOF PENETRATION TO MATCH EXISTING ROOF. REFER TO ARCHITECT DRAWINGS.
5. DEMOLISH EXISTING DRINKING FOUNTAIN AT LOCATION INDICATED. DEMOLISH ALL EXISTING SANITARY LINE BACK TO MAIN. ALL EXISTING COLD WATER SERVING FIXTURE SHALL BE DEMO BACK TO MAIN AND CAP.
6. REMOVE EXISTING SANITARY MAIN LOCATED IN CRAWL SPACE BACK TO TWO-WAY CLEANOUT.
7. DEMOLISH PORTION OF EXISTING FIRE PROTECTION PIPING AND PREPARE FOR ADDITION OF NEW TEE. REFER TO P201 FOR ADDITIONAL INFORMATION.
8. DEMOLISH AND REMOVE EXISTING HOSE BIBBS AT LOCATION INDICATED. REFER TO SHEET P201 FOR NEW WALL HYDRANT.



2 PLUMBING DEMOLITION FLOOR PLAN LEVEL 2
1/8" = 1'-0"



1 PLUMBING DEMOLITION FLOOR PLAN LEVEL 1
1/8" = 1'-0"



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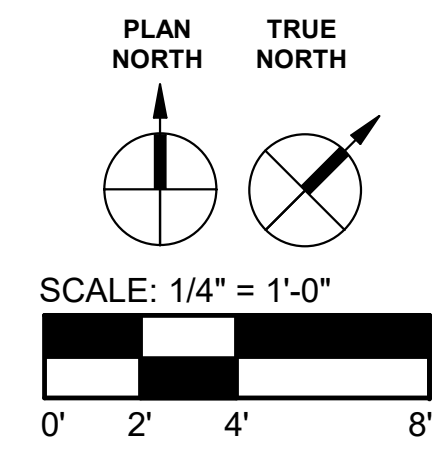
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5-21-2020

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REVISIONS	
NUMBER	DATE

BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
PLUMBING DEMOLITION FLOOR PLANS

Project Number:
201928
Sheet issue date:
2020-05-21



P101

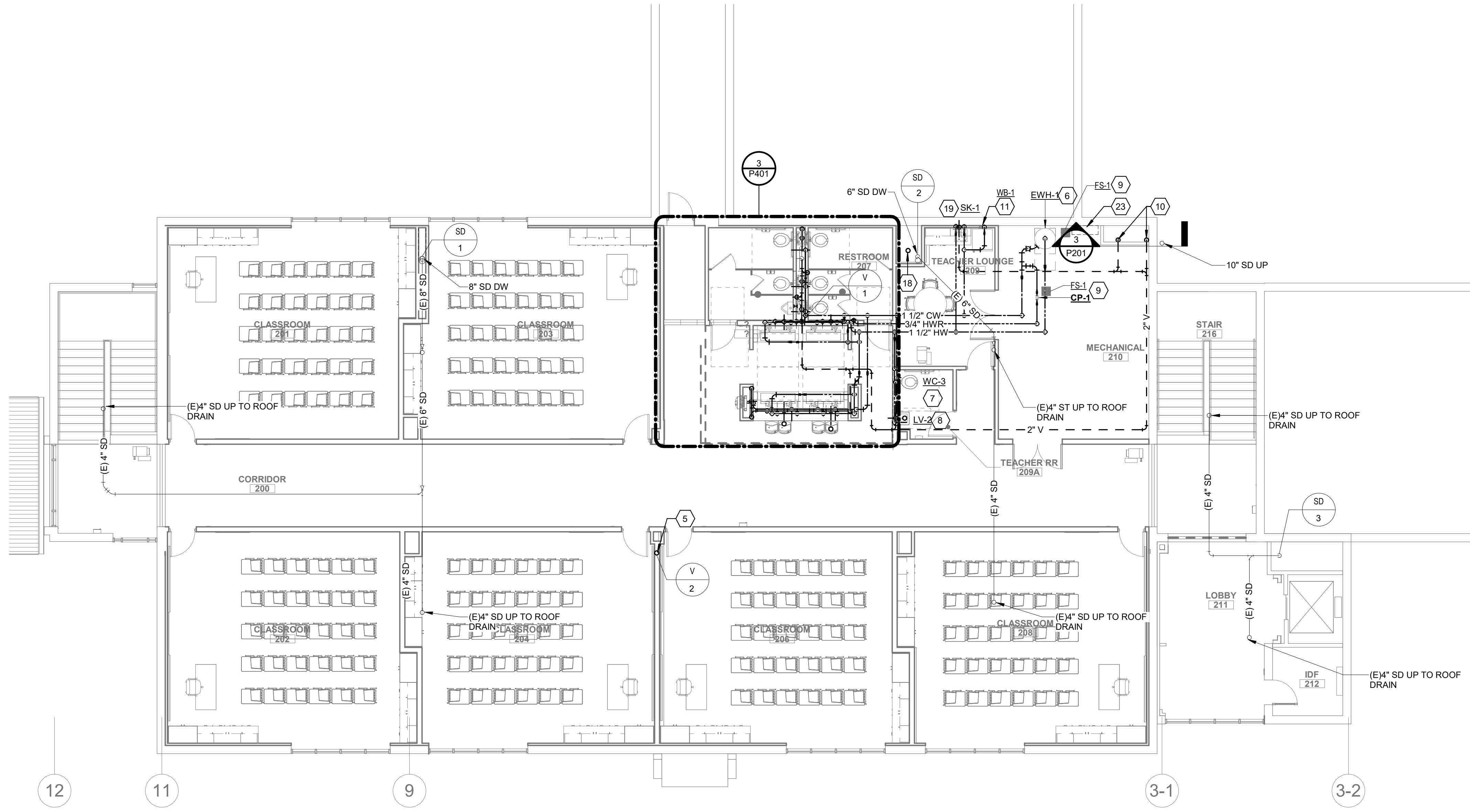
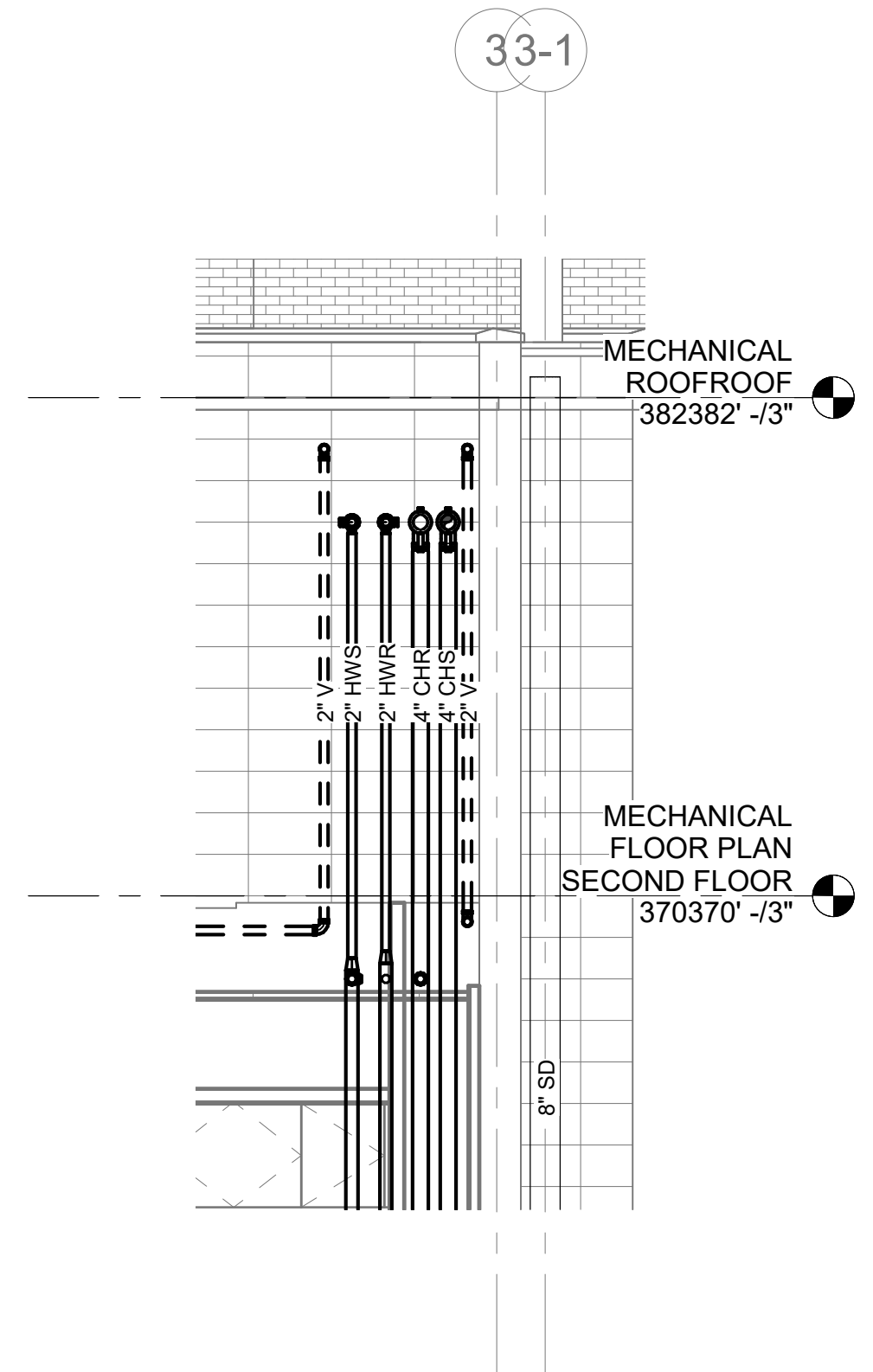
REVISIONS	
NUMBER	DATE

GENERAL NOTES

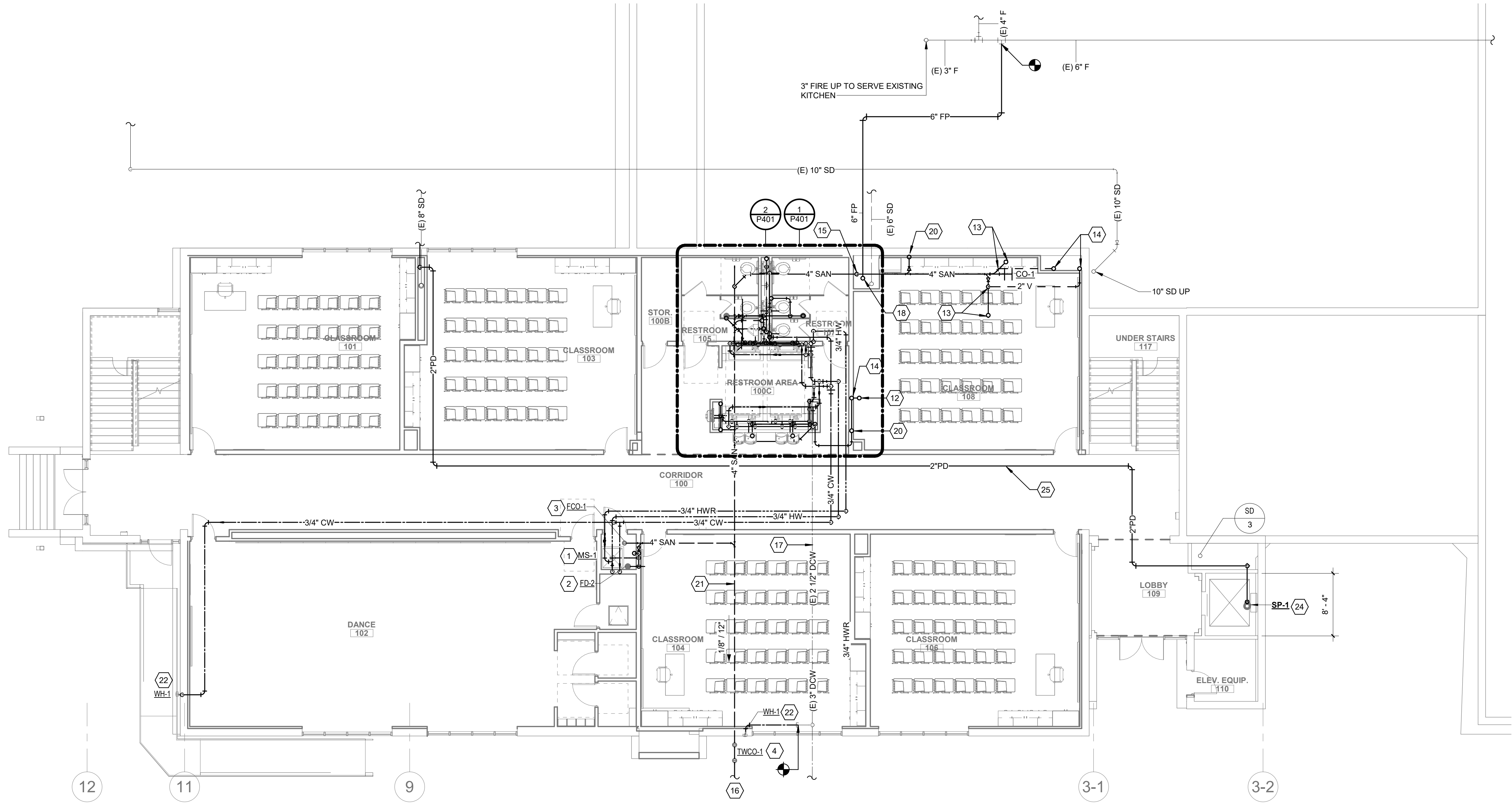
- REFER TO SHEET P001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH BECOME DAMAGED OR CONTAMINATED BY CONSTRUCTION ACTIVITY.
- ALL EXISTING STORM PIPING NOT CURRENTLY INSULATED WITHIN THE BUILDING SHALL BE INSULATED.

SHEET KEYED NOTES

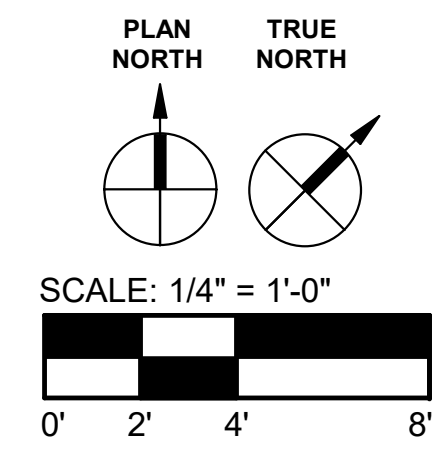
- 3" WASTE DOWN, 2" VENT UP FROM MOP BASIN. 3/4" COLD AND HOT WATER DOWN AT WALL TO SERVE FIXTURE.
- 3" WASTE DOWN, 2" VENT UP FROM FLOOR DRAIN. RE: 13/P501 FOR DETAIL.
- PROVIDE NEW FLOOR CLEANOUT AT LOCATION INDICATED. RE: 12/P501 FOR DETAIL.
- PROVIDE NEW TWO-WAY CLEANOUT AT LOCATION INDICATED. RE: 5/P501 FOR DETAIL.
- APPROXIMATE LOCATION OF VENT THRU ROOF. RE: 4/P501 FOR DETAIL.
- LOCATION OF NEW WATER HEATER. RE: 19/P501 FOR DETAIL.
- 4" WASTE DOWN, 2" VENT UP FROM WATER CLOSET. 3/4" COLD WATER UP FROM BELOW TO SERVE FIXTURES. RE: 1/P201 FOR CONTINUATION.
- 2" WASTE DOWN, 2" VENT UP FROM LAVATORY. 3/4" COLD AND HOT WATER TO SERVE LAVATORY.
- 3" WASTE DOWN, 2" VENT UP FROM FLOOR SINK. RE: 1/P201 FOR CONTINUATION. ROUTE CONDENSATE FROM HVAC EQUIPMENT TO FLOOR DRAIN. RE: 9/P501 FOR DETAIL.
- 2" VENT UP FROM BELOW. RE: 1/P201 FOR CONTINUATION.
- 3/4" COLD WATER DOWN AT WALL TO SERVE REFRIGERATOR.
- 4" WASTE FROM ABOVE. RE: 2/P201 FOR CONTINUATION.
- 3" WASTE FROM ABOVE. RE: 2/P201 FOR CONTINUATION.
- 2" VENT UP TO ABOVE. RE: 2/P201 FOR CONTINUATION.
- 4" WASTE DOWN. ROUTE 4" SANITARY LINE IN CRAWL SPACE AS SHOWN.
- APPROXIMATE LOCATION OF SANITARY LINE EXITING THE BUILDING. APPROXIMATE INVERT ELEVATION (-)4'-0" BELOW FIRST FLOOR SLAB.
- CONTRACTOR SHALL INSULATE ALL EXISTING AND NEW DOMESTIC COLD WATER PIPING LOCATED IN CRAWL SPACE.
- 6" FIRE RISER INSIDE PLUMBING CHASE. ROUTE FIRE TEST DRAIN TO FLOOR SINK LOCATED INSIDE MECHANICAL ROOM.
- 2" WASTE DOWN, 2" VENT UP FROM HAND SINK. 3/4" COLD AND HOT WATER DOWN TO SERVE FIXTURE. RE: 1/P201 FOR CONTINUATION.
- 2" WASTE FROM ABOVE. RE: 2/P201 FOR CONTINUATION.
- SANITARY PIPING IS ROUTED IN CRAWL SPACE. PROVIDE PIPING SUPPORT FROM STRUCTURE FOR ALL SANITARY PIPING IN CRAWL SPACE.
- 3/4" CW DOWN AT WALL TO SERVE WALL HYDRANT.
- PROVIDE NEW FIRE SPRINKLER CONTROL VALVE AT LOCATION INDICATED. ROUTE TEST TEE DRAIN LINE TO FLOOR SINK IN AREA. RE: 2/P02 FOR DETAIL.
- LOCATION OF SUMP PUMP. RE: 1/P501 FOR DETAIL.
- ROUTE 2" SUMP PUMP DISCHARGE ABOVE CEILING AND CONNECT TO SANITARY LINE AS SHOWN.



2 PLUMBING FLOOR PLAN LEVEL 2
1/8" = 1'-0"



1 PLUMBING FLOOR PLAN LEVEL 1
1/8" = 1'-0"



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5-21-2020

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REVISIONS

NUMBER	DATE

BRYAN ISD SFA ANNEX RENOVATIONS
800 S. COULTER DR. BRYAN, TX 77803
PLUMBING ROOF PLAN

Project Number:
201928
Sheet issue date:
2020-05-21

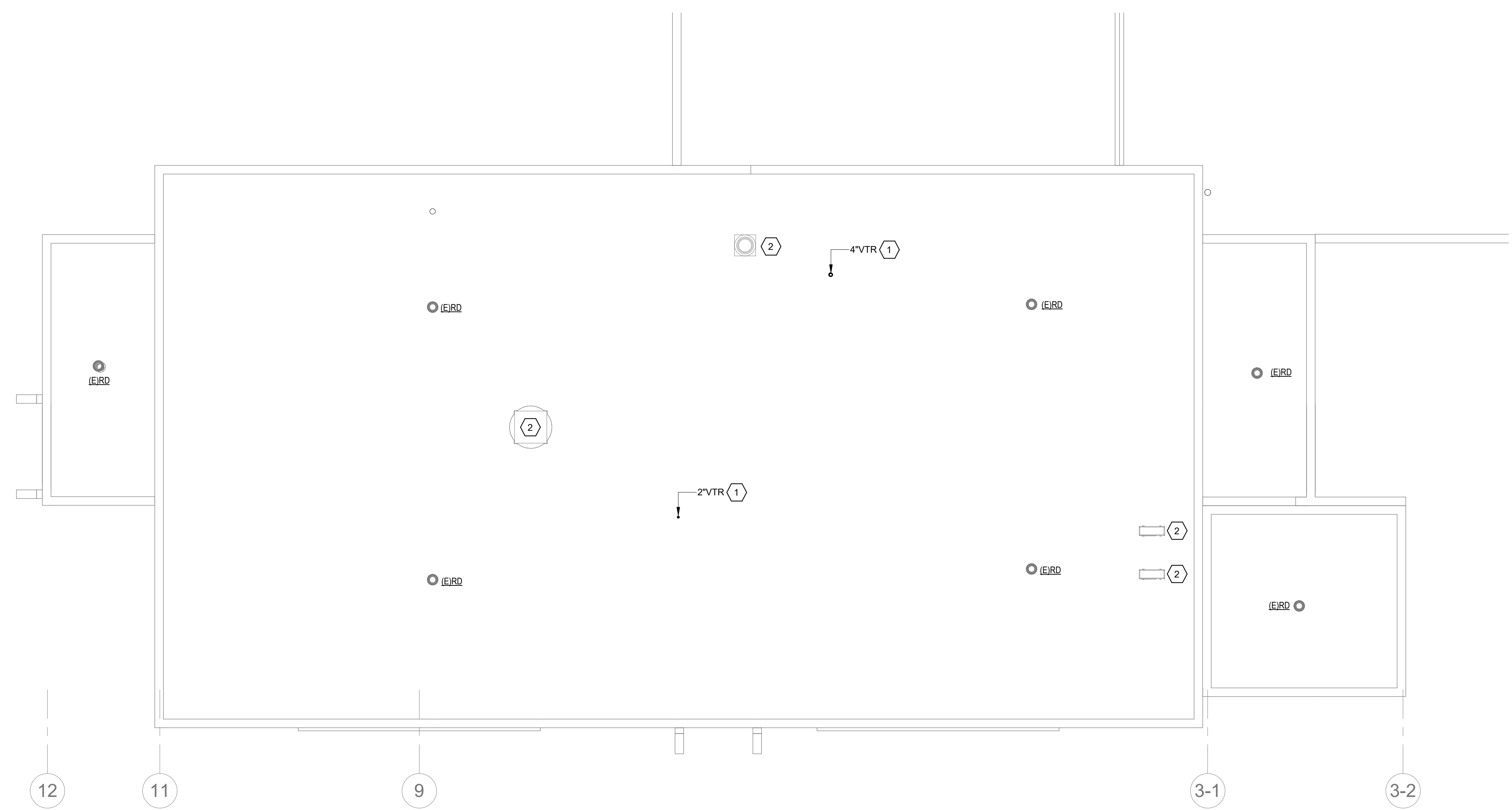
P202

GENERAL NOTES

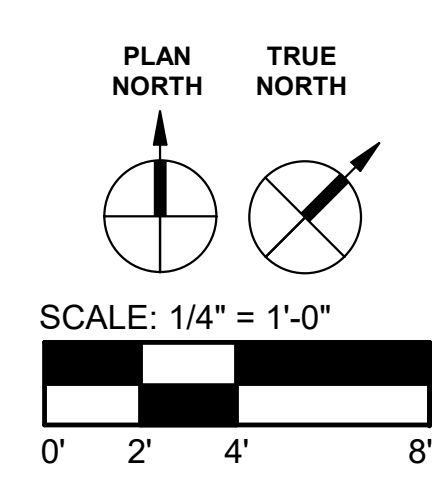
A. REFER TO SHEET P001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
B. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH BECOME DAMAGED OR CONTAMINATED BY CONSTRUCTION ACTIVITY.

SHEET KEYED NOTES

1. APPROXIMATE LOCATION OF VENT THRU ROOF. RE: 4/PS01 FOR DETAIL. MAINTAIN A MINIMUM OF 10'-0" FROM HVAC OUTDOOR AIR INTAKES.
2. MECHANICAL EQUIPMENT SHOWN FOR COORDINATION ONLY.



1 PLUMBING ROOF PLAN
1/8" = 1'-0"



GENERAL NOTES

- A. REFER TO SHEET P001 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- B. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH BECOME DAMAGED OR CONTAMINATED BY CONSTRUCTION ACTIVITY.

SHEET KEYED NOTES

1. 3" WASTE DOWN, 2" VENT UP FROM FLOOR DRAIN. RE: 10&13/P201 FOR DETAIL. RE: 1/P401 FOR CONTINUATION.
2. 4" WASTE DOWN, 2" VENT UP FROM WATER CLOSET. 1-1/2" COLD WATER TO SERVE PLUMBING FIXTURE.
3. RE: 1/P201 FOR CONTINUATION OF SANITARY AND WATER LINE.
4. PROVIDE NEW WALL CLEANOUT AT LOCATION INDICATED. RE: 14/P501 FOR DETAIL.
5. 2" WASTE, 2" VENT UP FROM LAVATORY. 3/4" COLD AND HOT WATER DOWN AT WALL TO SERVE FIXTURES.
6. CONNECT NEW 2-1/2" COLD WATER LINE TO EXISTING MAIN AS SHOWN. RE: 1/P401 FOR CONTINUATION.
7. 2" WASTE DOWN, 2" VENT UP FROM ELECTRIC WATER COOLER. 3/4" COLD TO SERVE DRINKING FOUNTAIN.
8. 4" WASTE FROM ABOVE. RE: 2/P201 FOR CONTINUATION. RE: 1/P401 FOR CONTINUATION BELOW.
9. ROUTE 4" SANITARY LINE IN CRAWL SPACE. CONTRACTOR SHALL SUPPORT SANITARY LINE FROM STRUCTURALS.
10. 1" COLD AND HOT WATER DOWN AT WALL TO SERVE PLUMBING FIXTURES. 1-1/4" COLD, 1-1/4" HOT, AND 3/4" HOT WATER RETURN UP. RE: 2/P201 FOR CONTINUATION. RE: 1&2/P601 FOR RISER DIAGRAM.
11. 2-1/2" COLD WATER UP FROM CRAWL SPACE TO SERVE PLUMBING FIXTURES. RE: 1/P401 FOR CONTINUATION. RE: 1&2/P601 FOR RISER DIAGRAM.
12. 2" WASTE DOWN, 2" VENT UP FROM URINAL. 3/4" COLD WATER TO SERVE PLUMBING FIXTURE. RE: 1/P401 FOR CONTINUATION.
13. 6" FIRE LINE FROM CRAWL SPACE. RE: 2/P201 FOR CONTINUATION. RE: 1/P401 FOR CONTINUATION. RE: 3/P401 FOR PLUMBING SECTION.
14. 1" COLD AND HOT WATER DOWN AT WALL TO SERVE PLUMBING FIXTURES. RE: 2/P201 FOR CONTINUATION. RE: 1&2/P601 FOR RISER DIAGRAM.
15. 2" WASTE FROM ABOVE. RE: 2/P201 FOR CONTINUATION.
16. 2" WASTE DOWN, 2" VENT UP FROM ELECTRIC WATER COOLER. INSTALL COOLER BEHIND CHASE. 3/4" COLD TO SERVE DRINKING FOUNTAIN.
17. 3" WASTE FROM ABOVE, 2" VENT UP. RE: 2/P201 FOR CONTINUATION. RE: 10&13/P201 FOR DETAIL.
18. 4" WASTE FROM ABOVE. RE: 2/P401 FOR CONTINUATION.
19. 3" WASTE FROM ABOVE. RE: 2/P401 FOR CONTINUATION OF VENT.
20. 2" WASTE FROM ABOVE. RE: 2/P401 FOR CONTINUATION.
21. RE: 1/201 FOR CONTINUATION OF FIRE AND STORM LINES.
22. 4" WASTE DOWN. RE: 1/P401 FOR CONTINUATION.

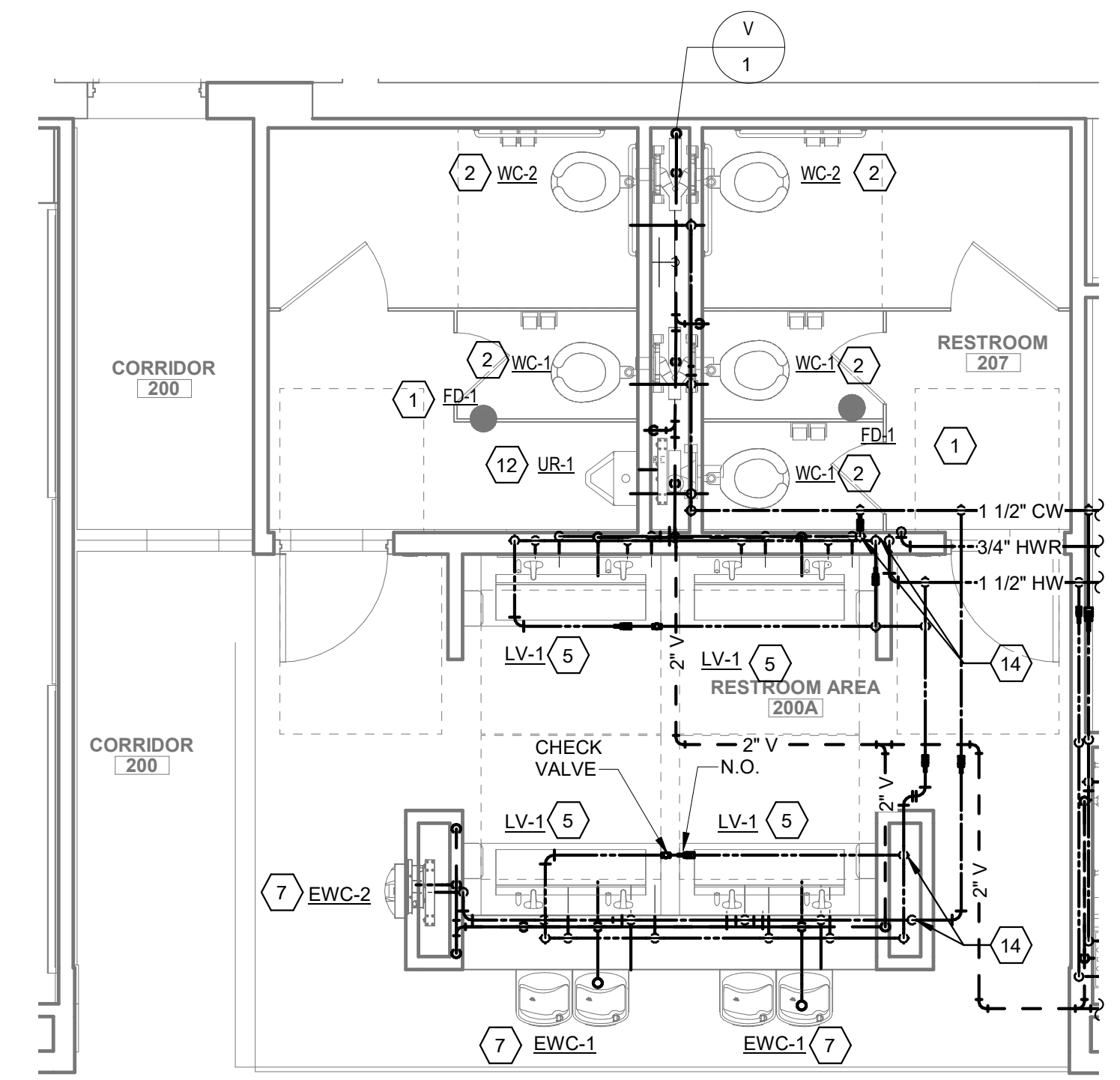


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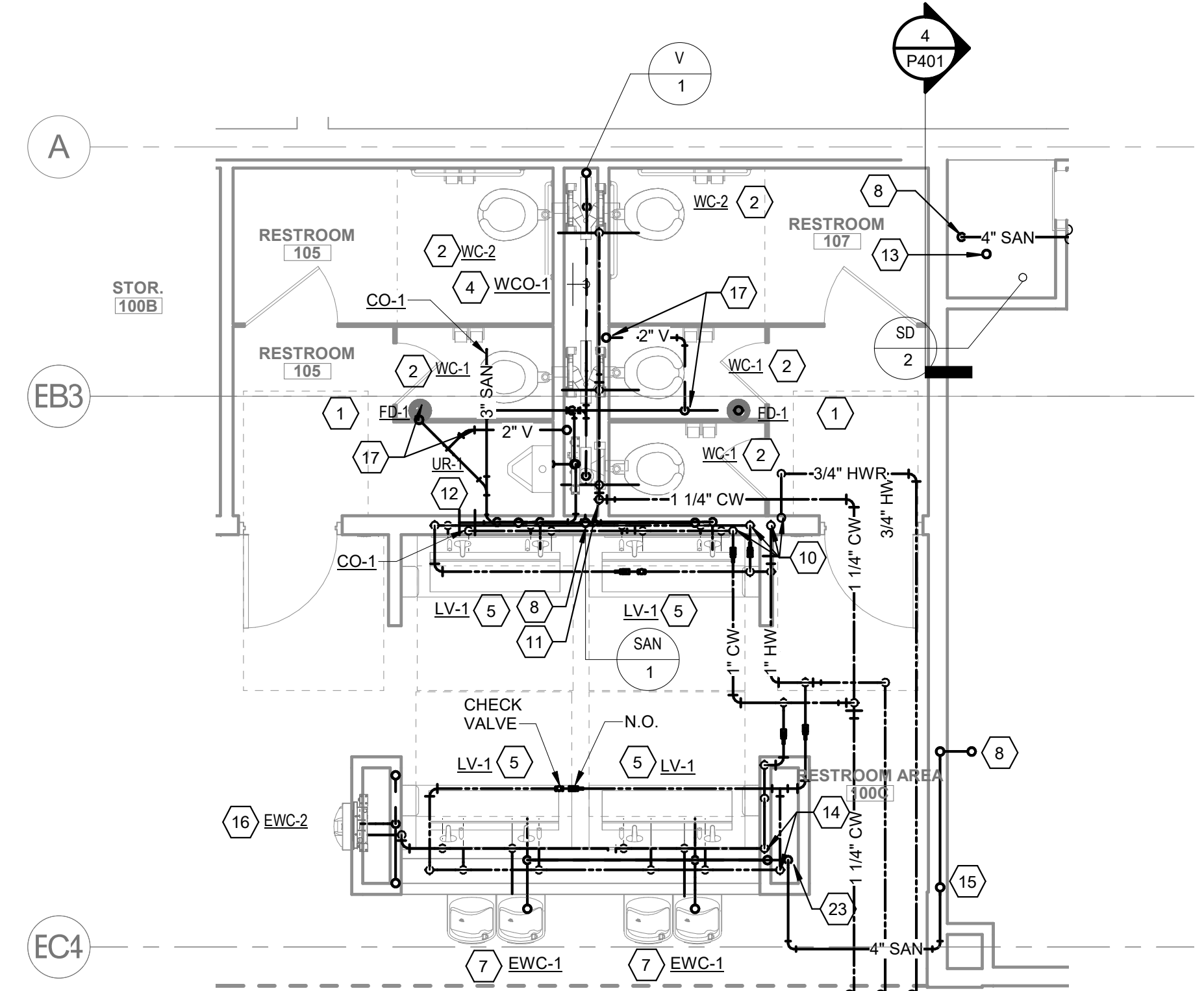
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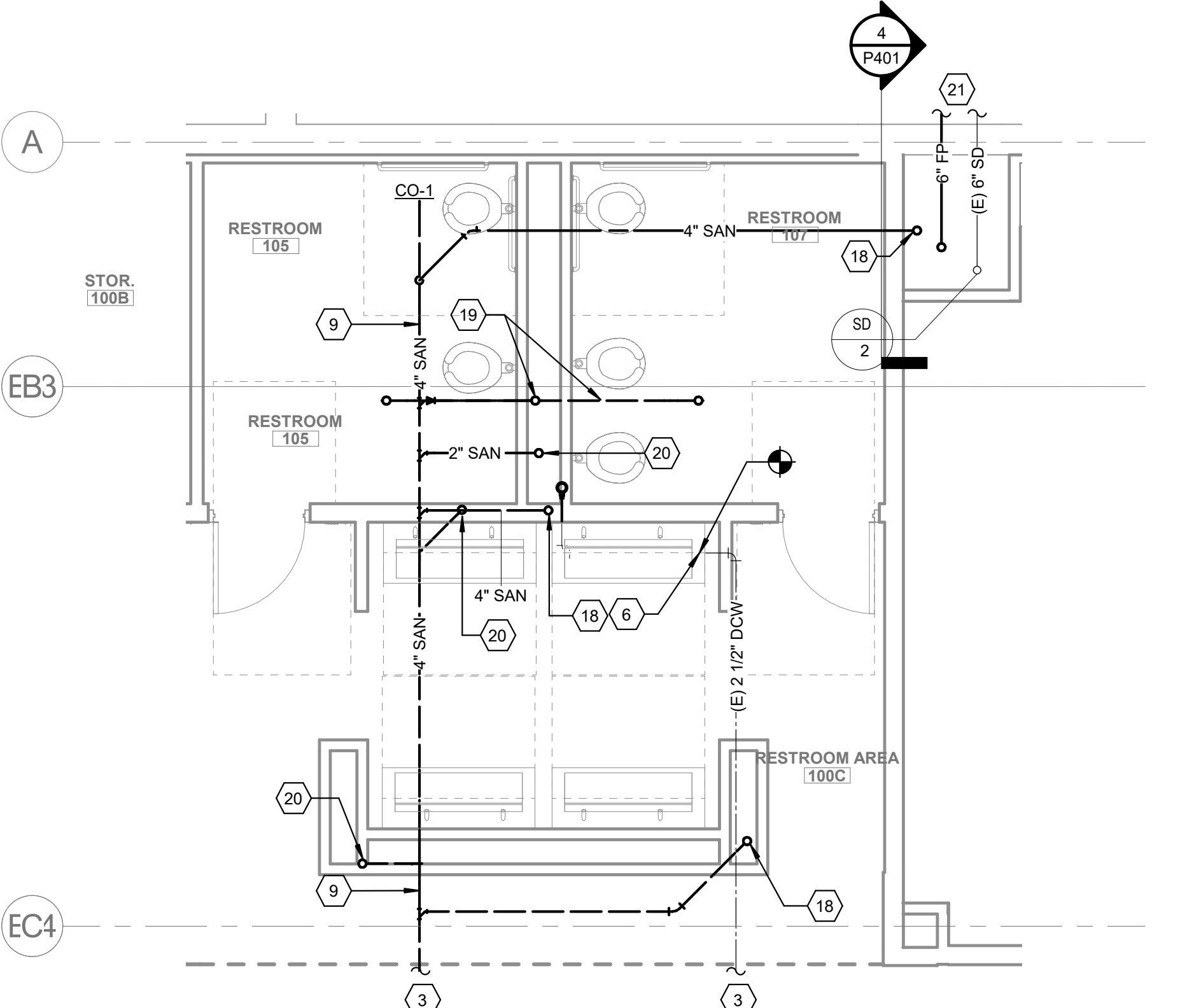
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NUMBER	DATE



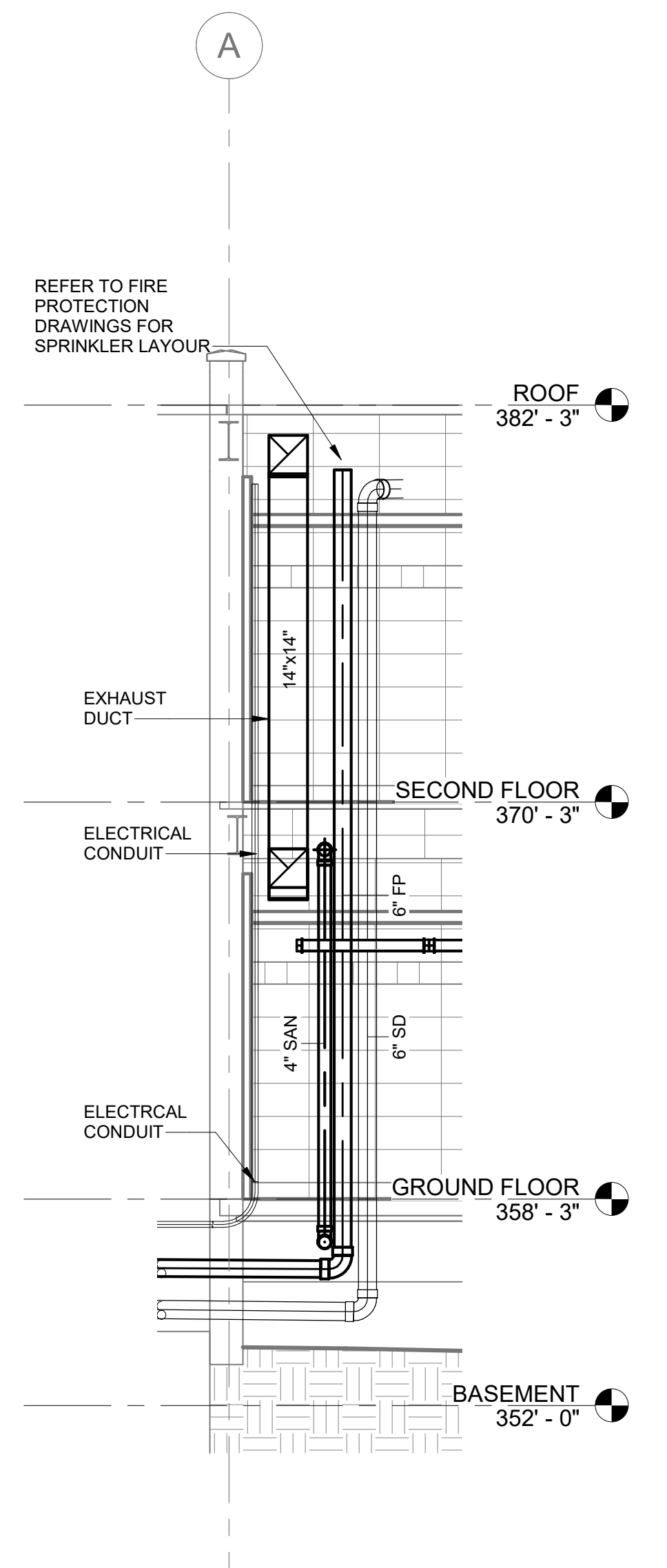
3 PLUMBING ENLARGED PLAN - SECOND FLOOR RESTROOM
1/4" = 1'-0"



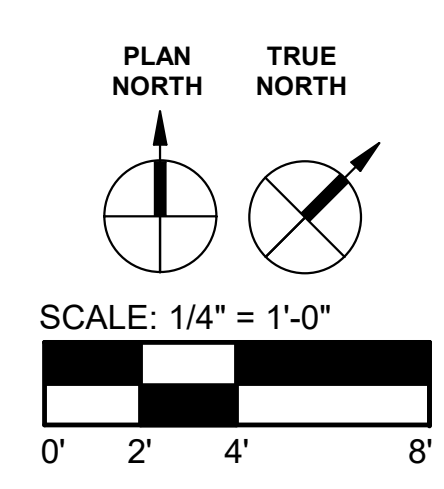
2 PLUMBING ENLARGED PLAN - FIRST FLOOR RESTROOM
1/4" = 1'-0"



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



4 Section 34
1/4" = 1'-0"



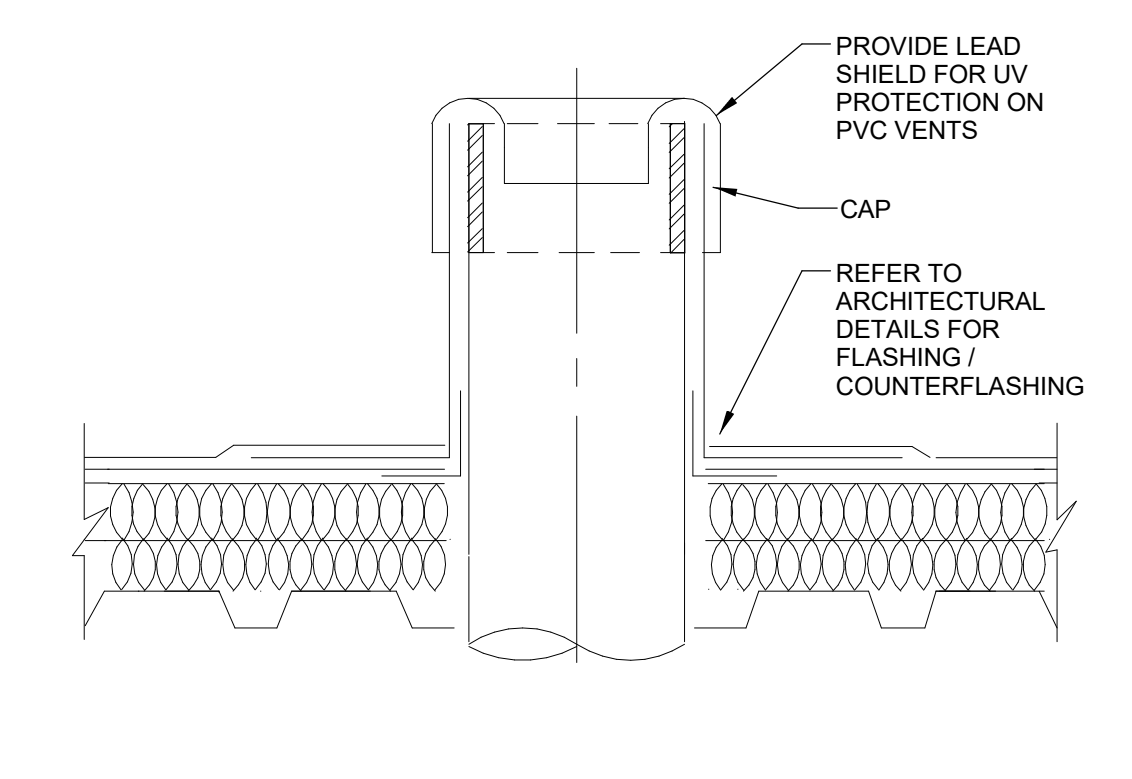
BRYAN ISD SFA ANNEX RENOVATIONS

800 S. COULTER DR. BRYAN, TX 77803
PLUMBING ENLARGED PLAN

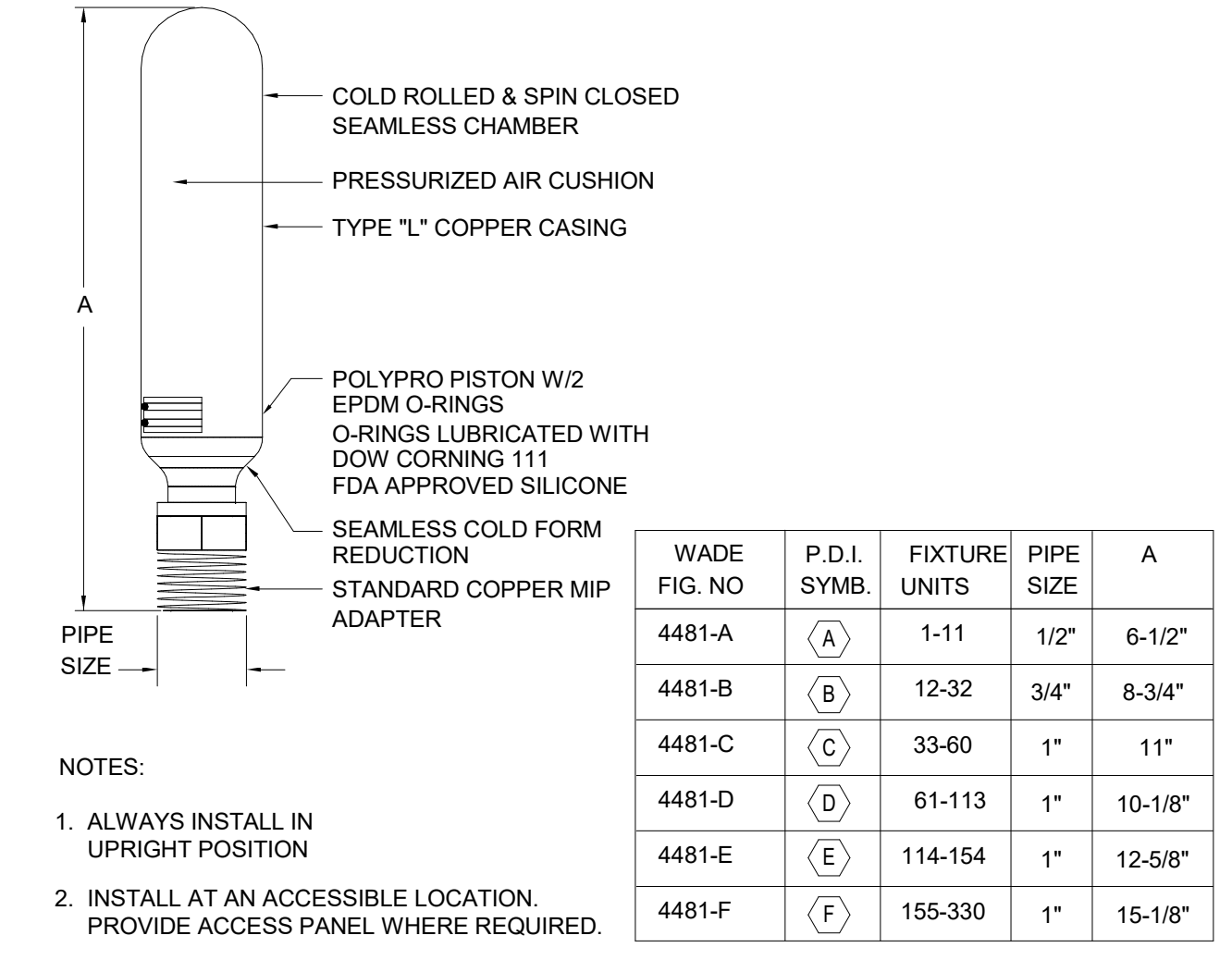
Project Number:
201928
Sheet issue date:
2020-05-21

P401

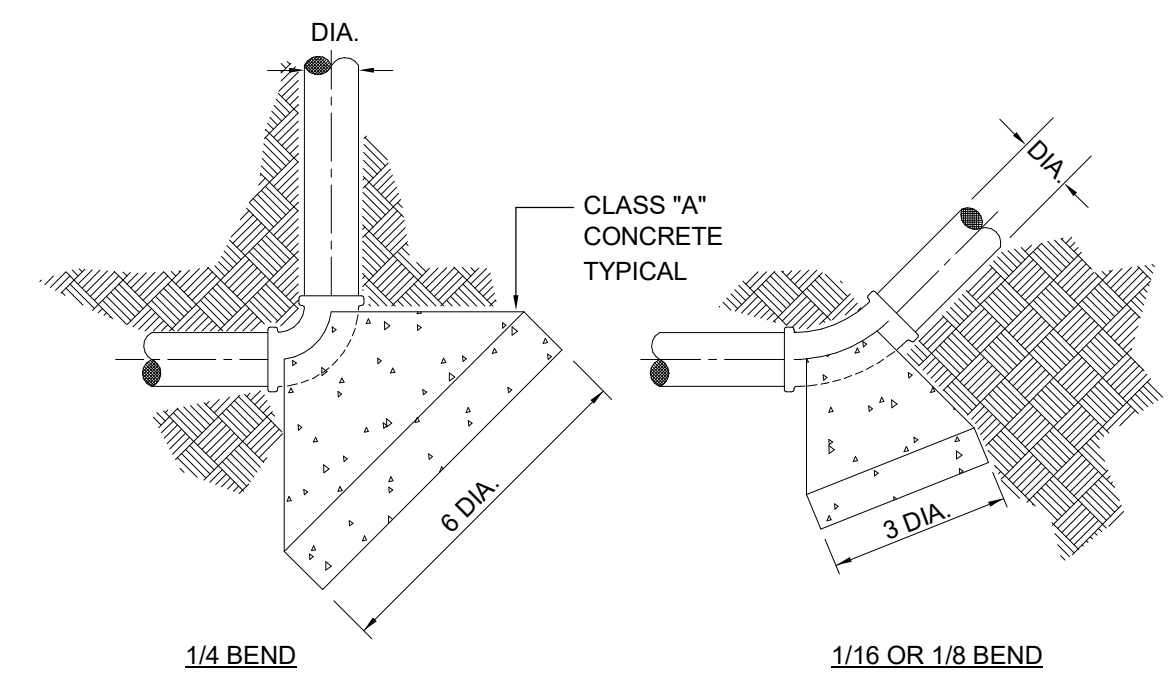
REVISIONS	
NUMBER	DATE



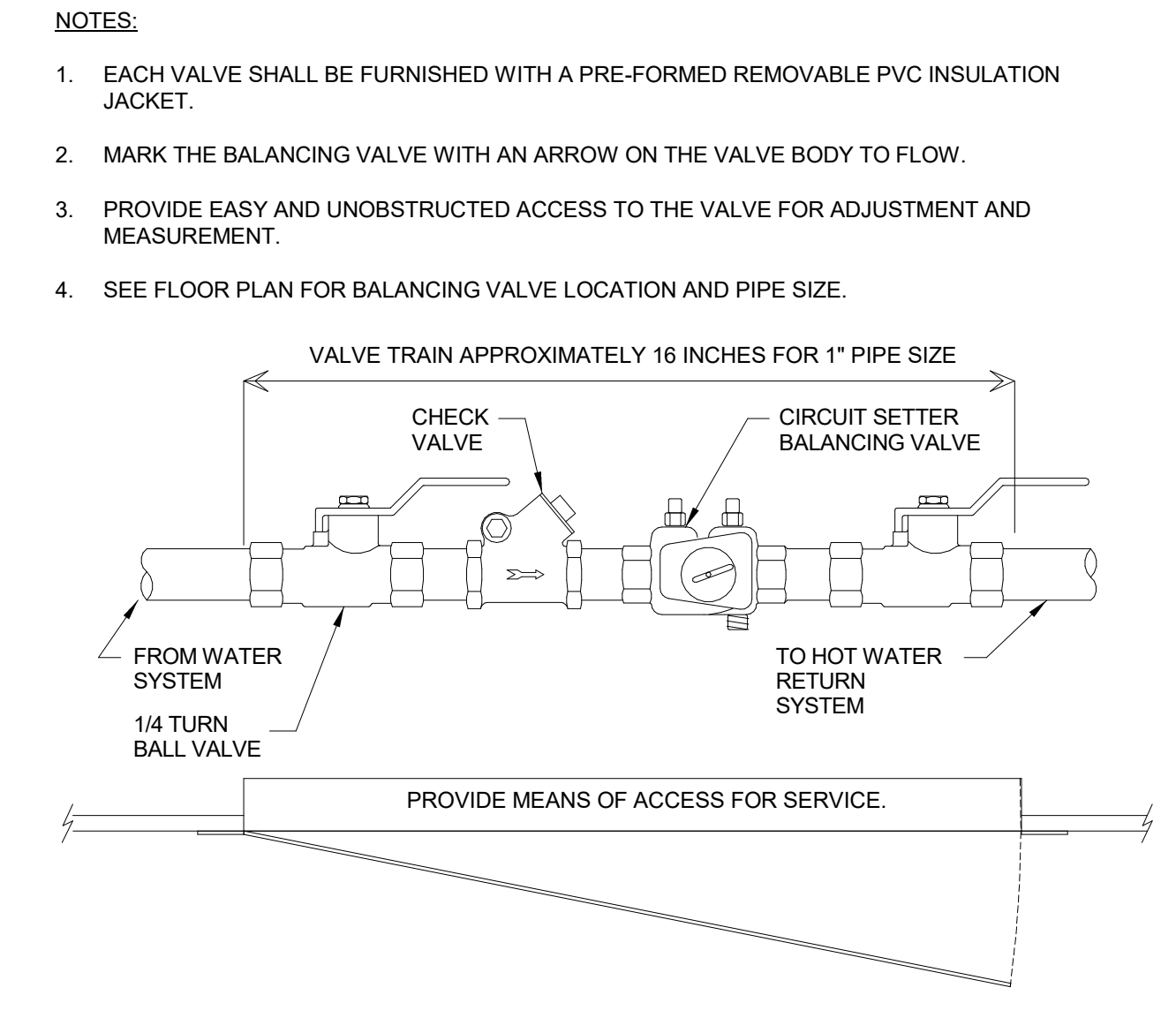
4 VENT THRU ROOF DETAIL
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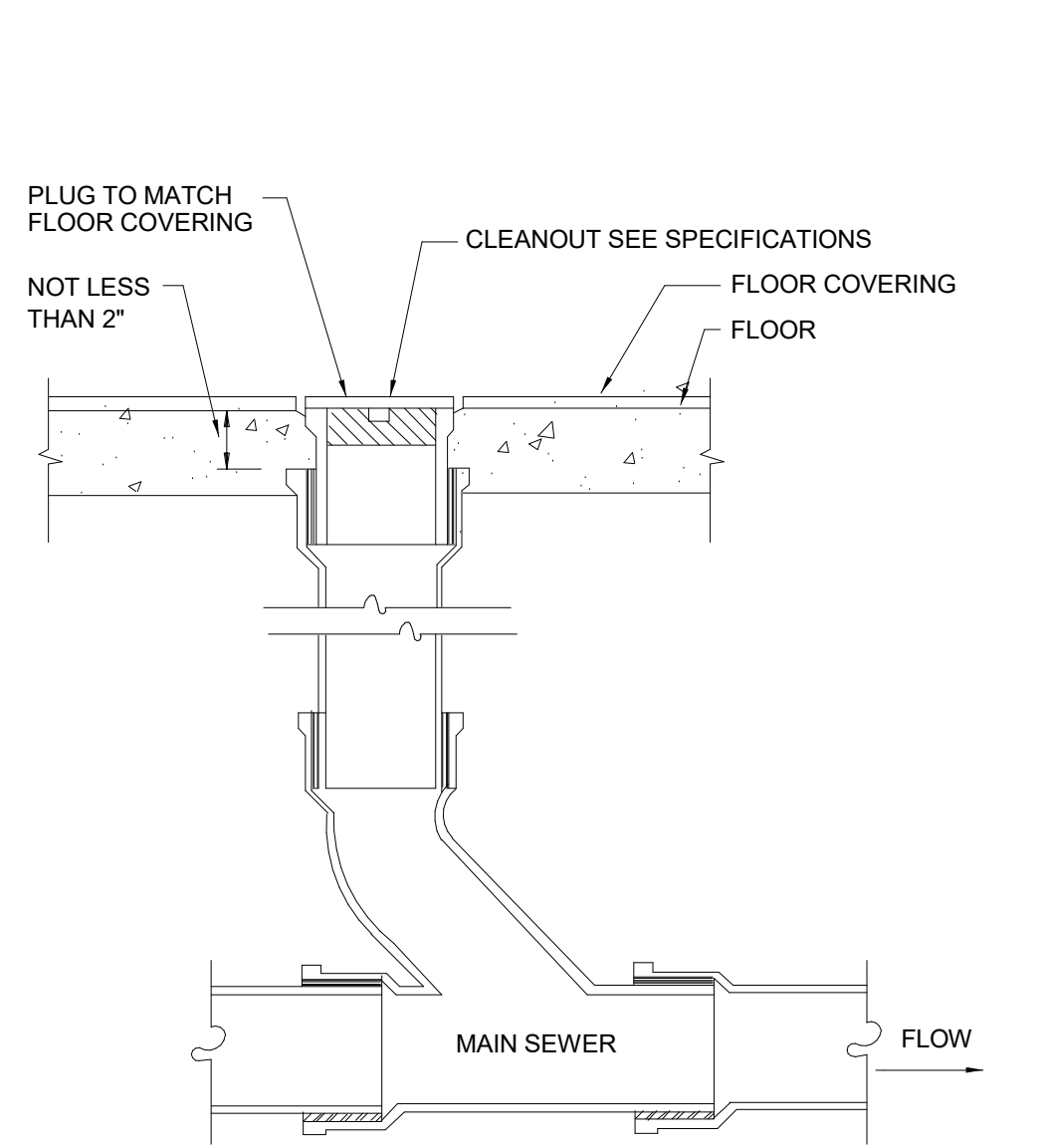
8 TYPICAL WATER HAMMER ARRESTOR (WHA)
SCALE: N.T.S.



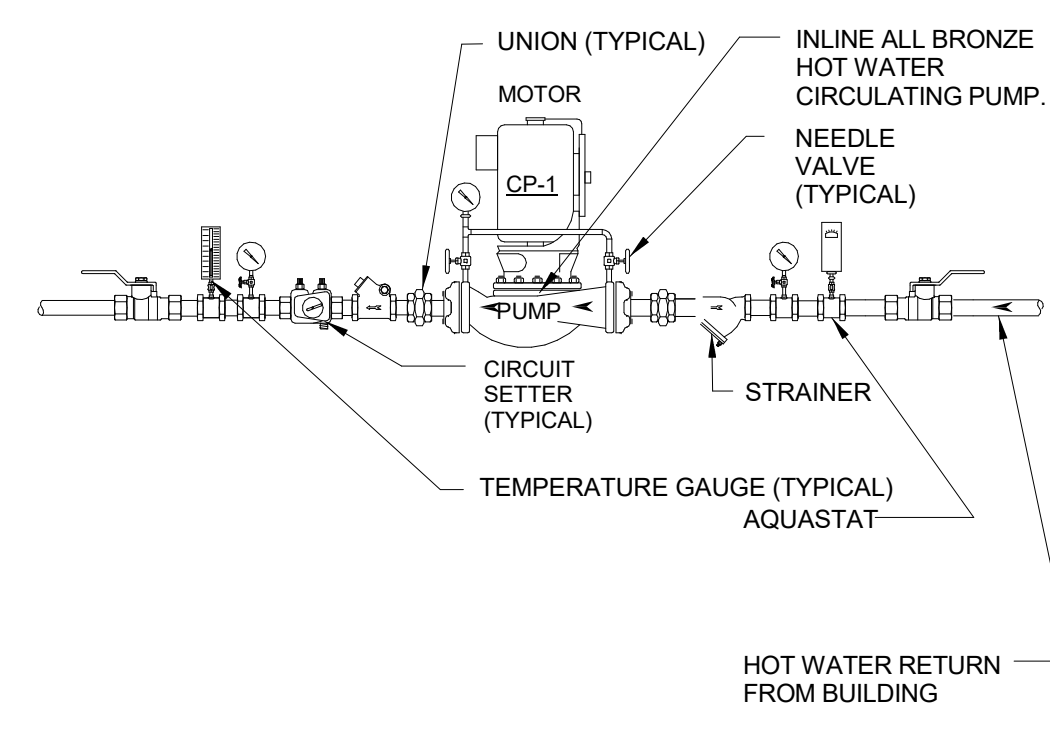
3 THRUST BLOCK DETAIL
SCALE: N.T.S.



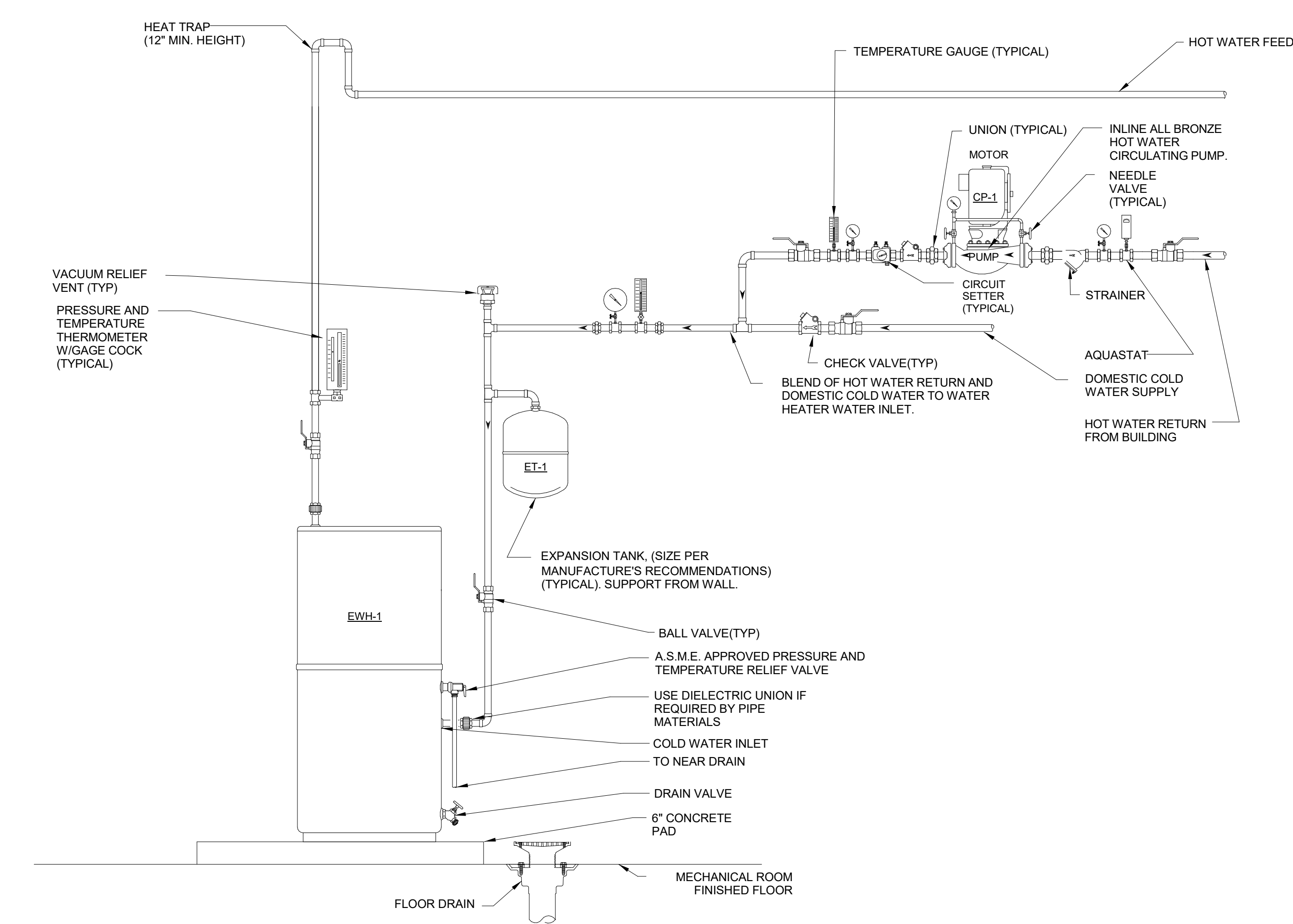
7 HOT WATER BALANCING VALVE DETAIL
SCALE: N.T.S.



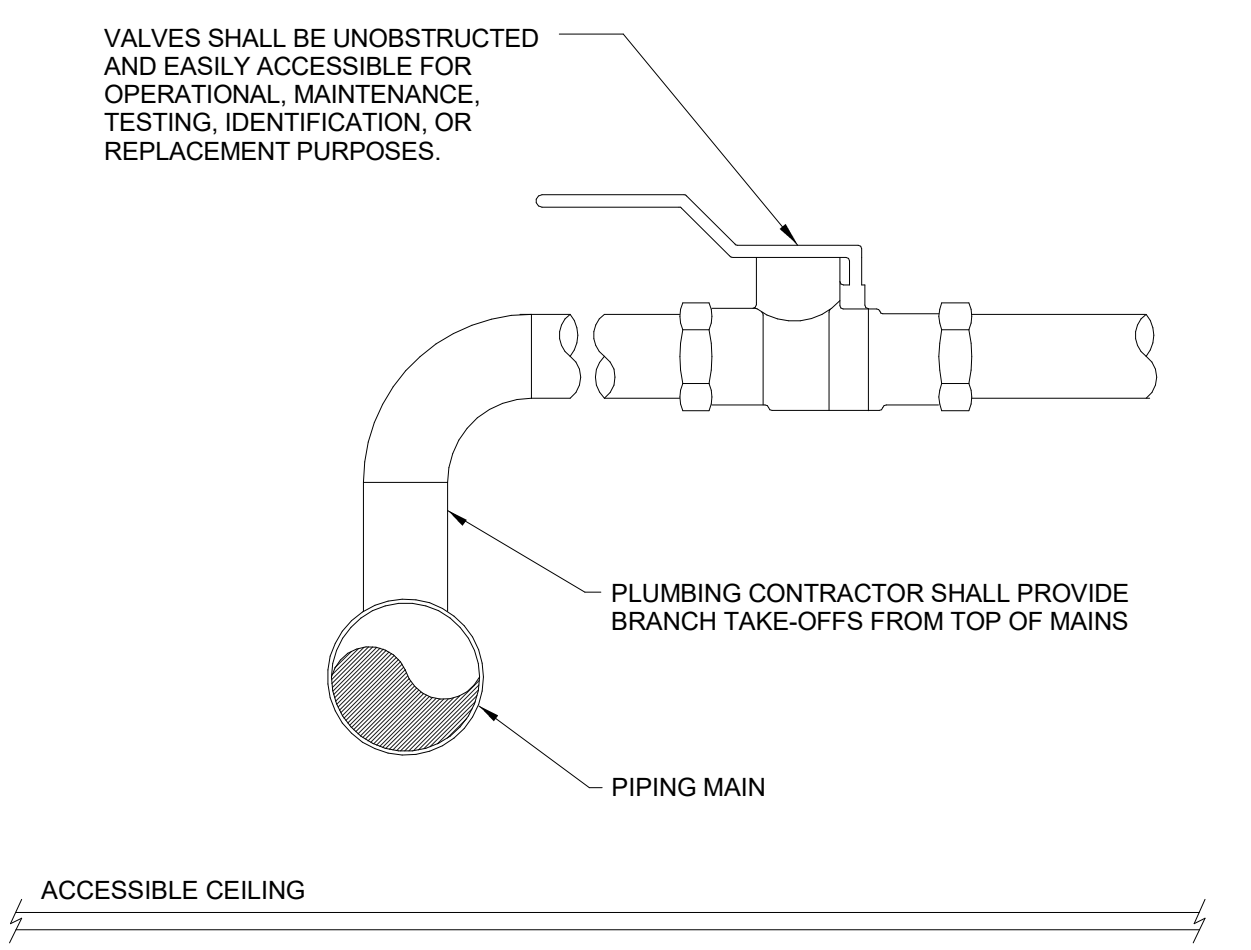
12 INTERIOR FLOOR CLEANOUT DETAIL
SCALE: N.T.S.



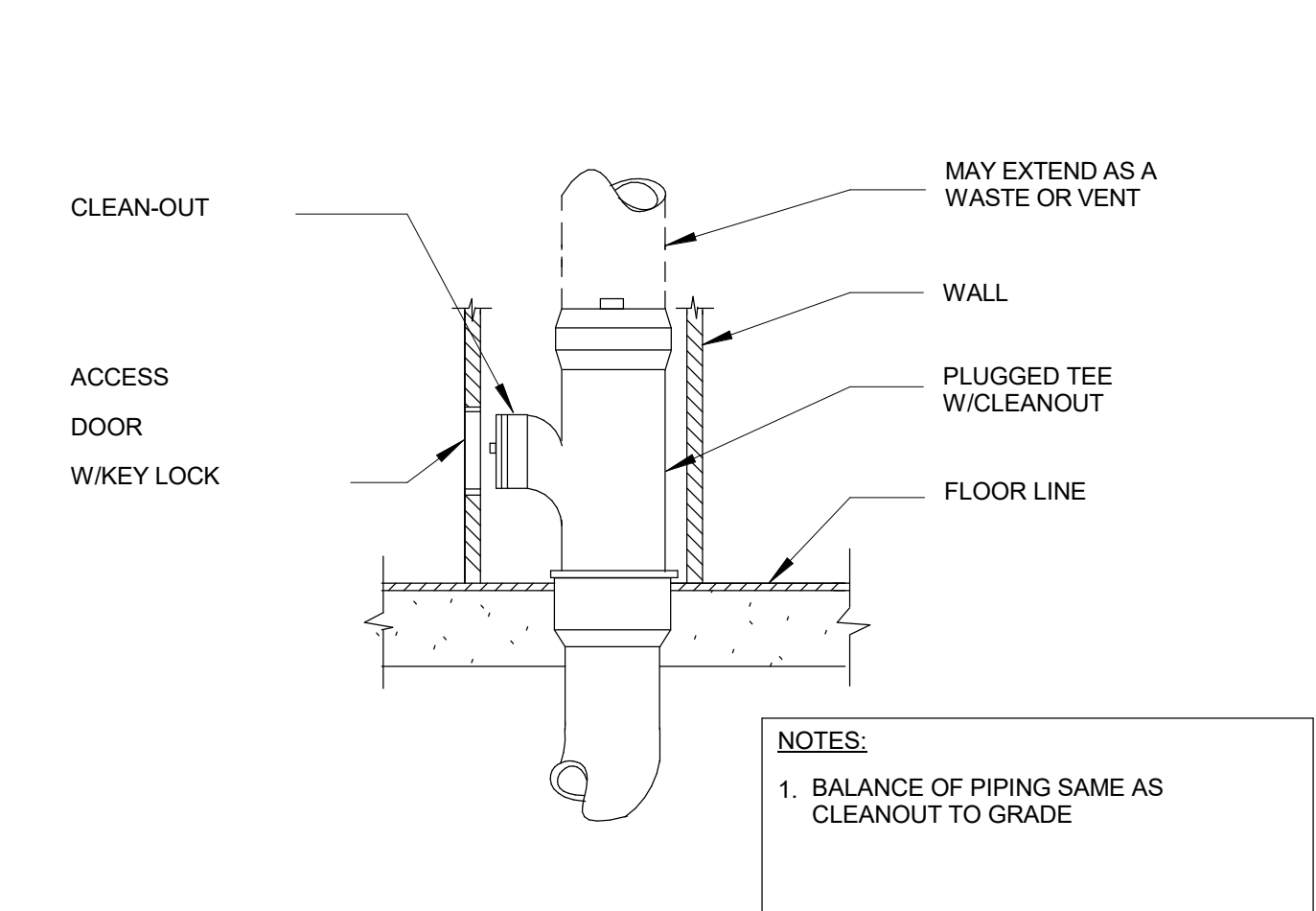
11 IN-LINE DOMESTIC HOT WATER RETURN PUMP
SCALE: N.T.S.



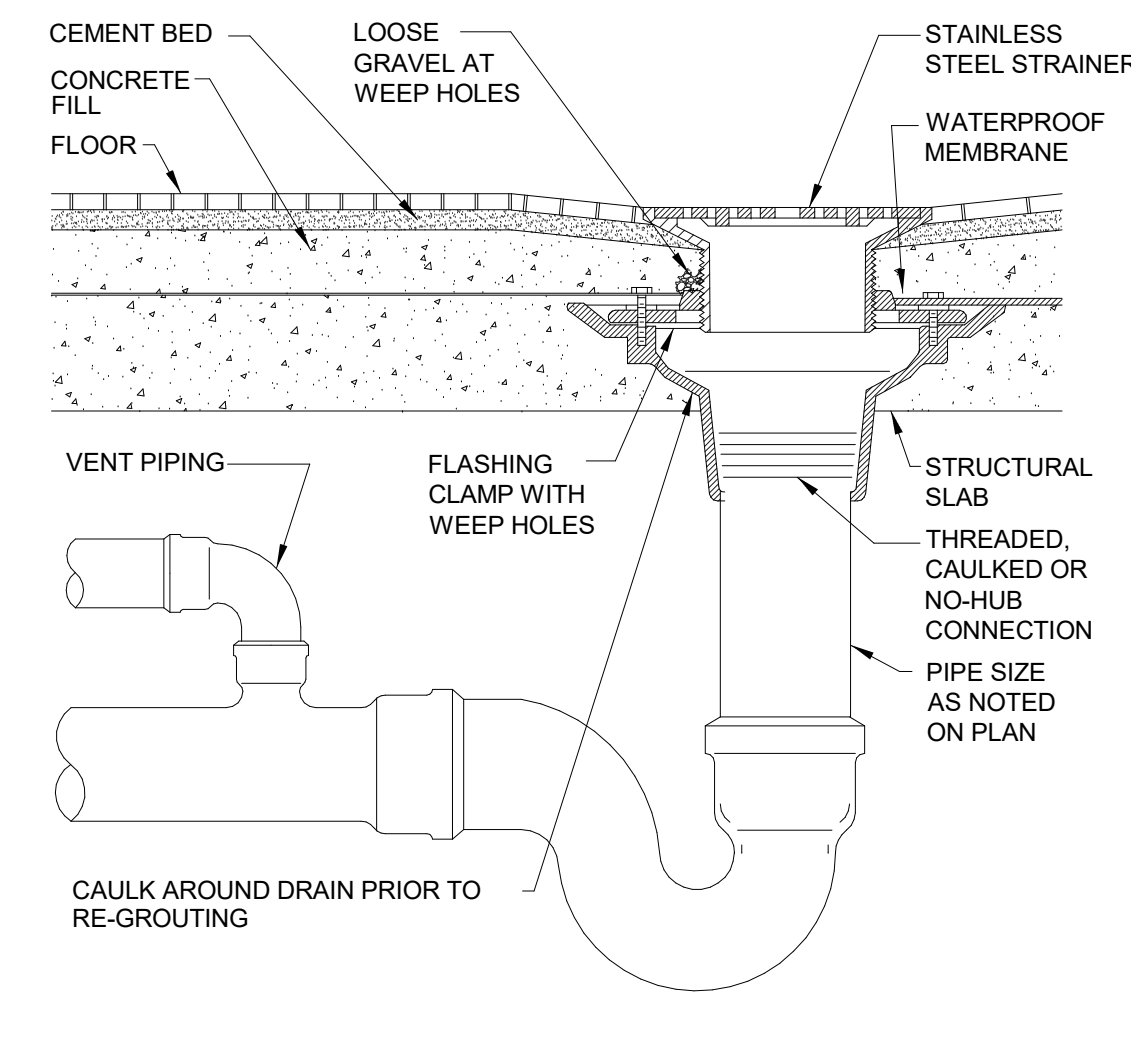
19 FLOOR MOUNTED WATER HEATER
SCALE: N.T.S.



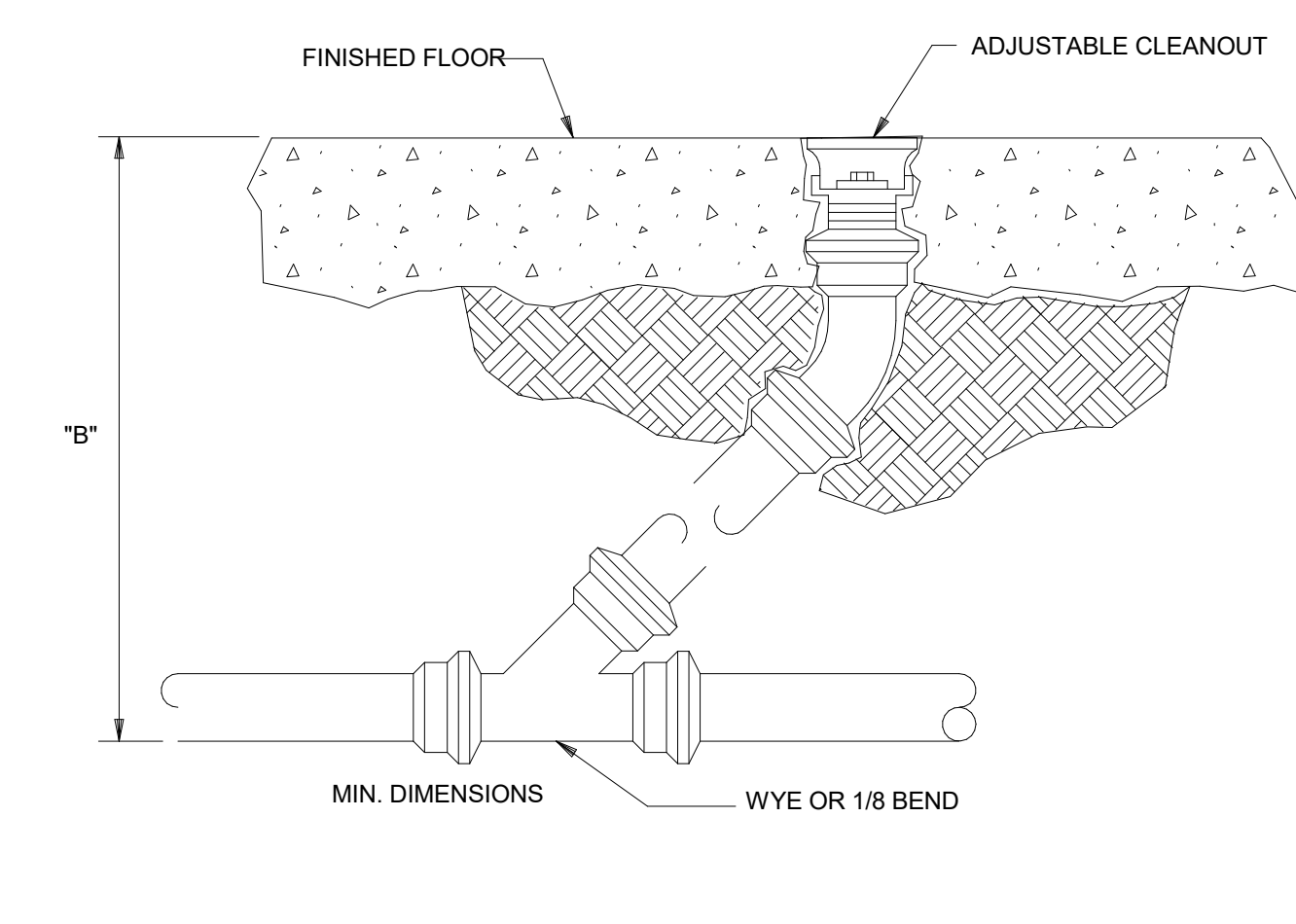
18 TYPICAL BRANCH TAKE-OFF DETAIL
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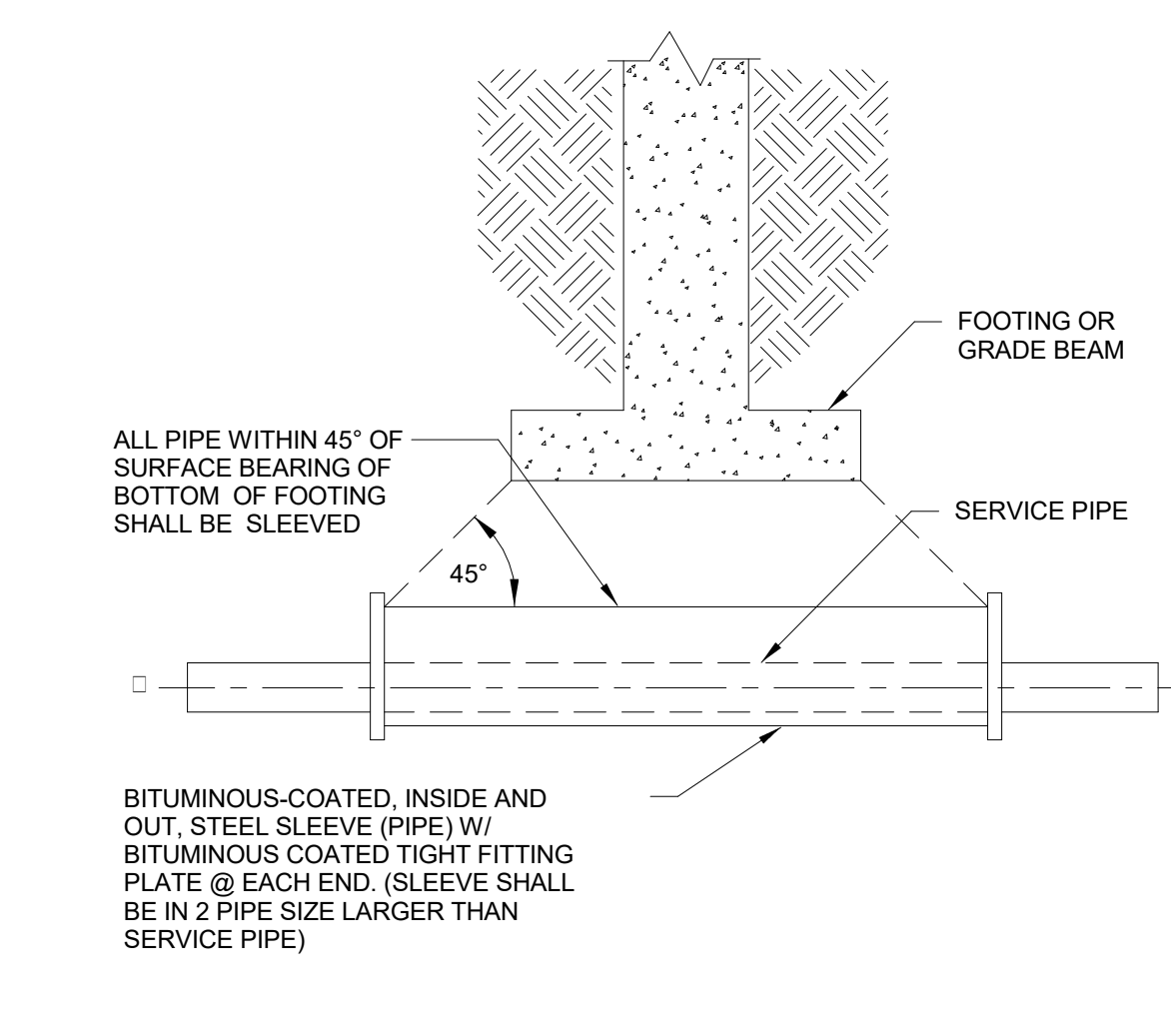
14 WALL CLEANOUT DETAIL
SCALE: N.T.S.



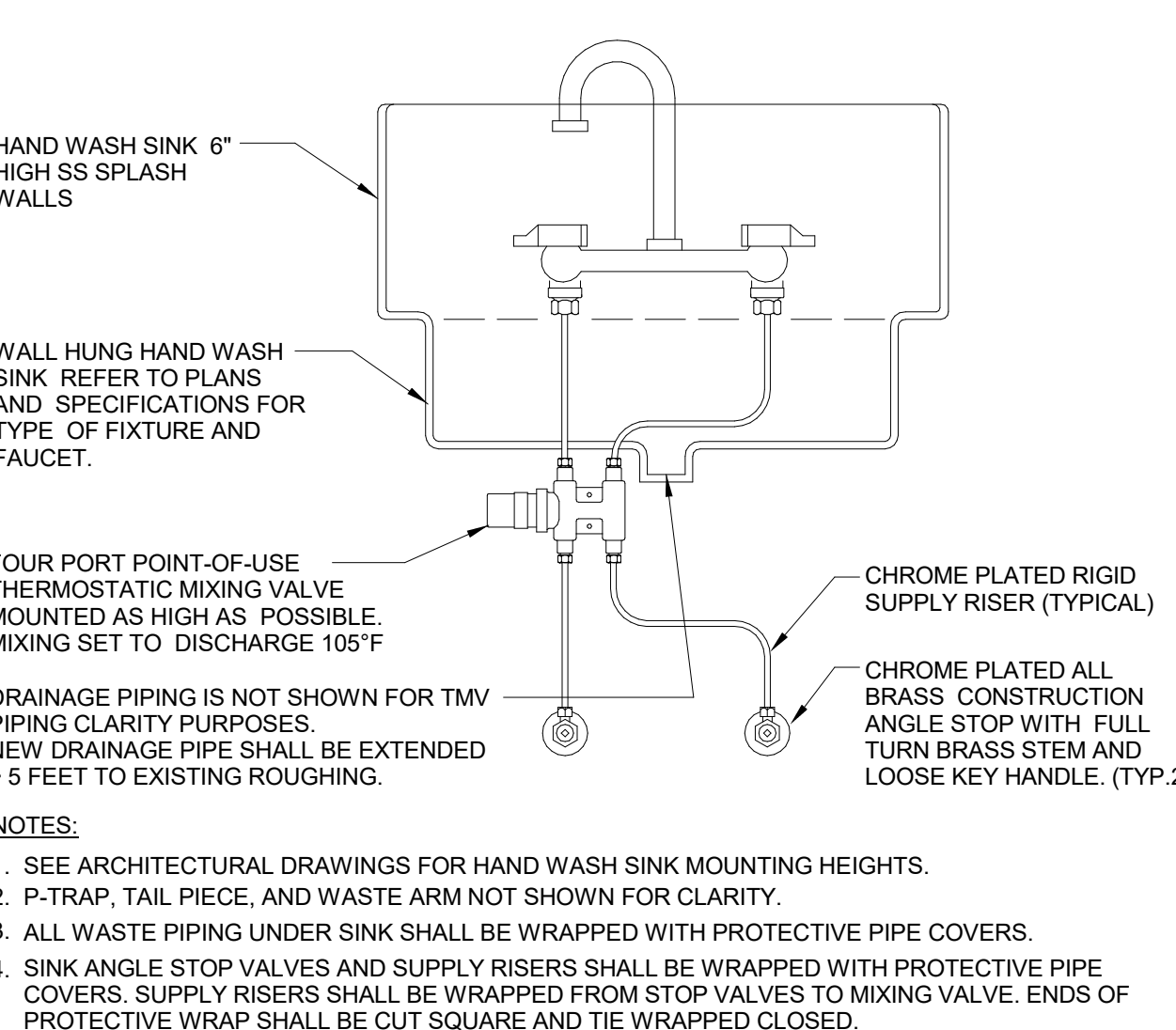
10 TYPICAL FLOOR DRAIN DETAIL
SCALE: N.T.S.



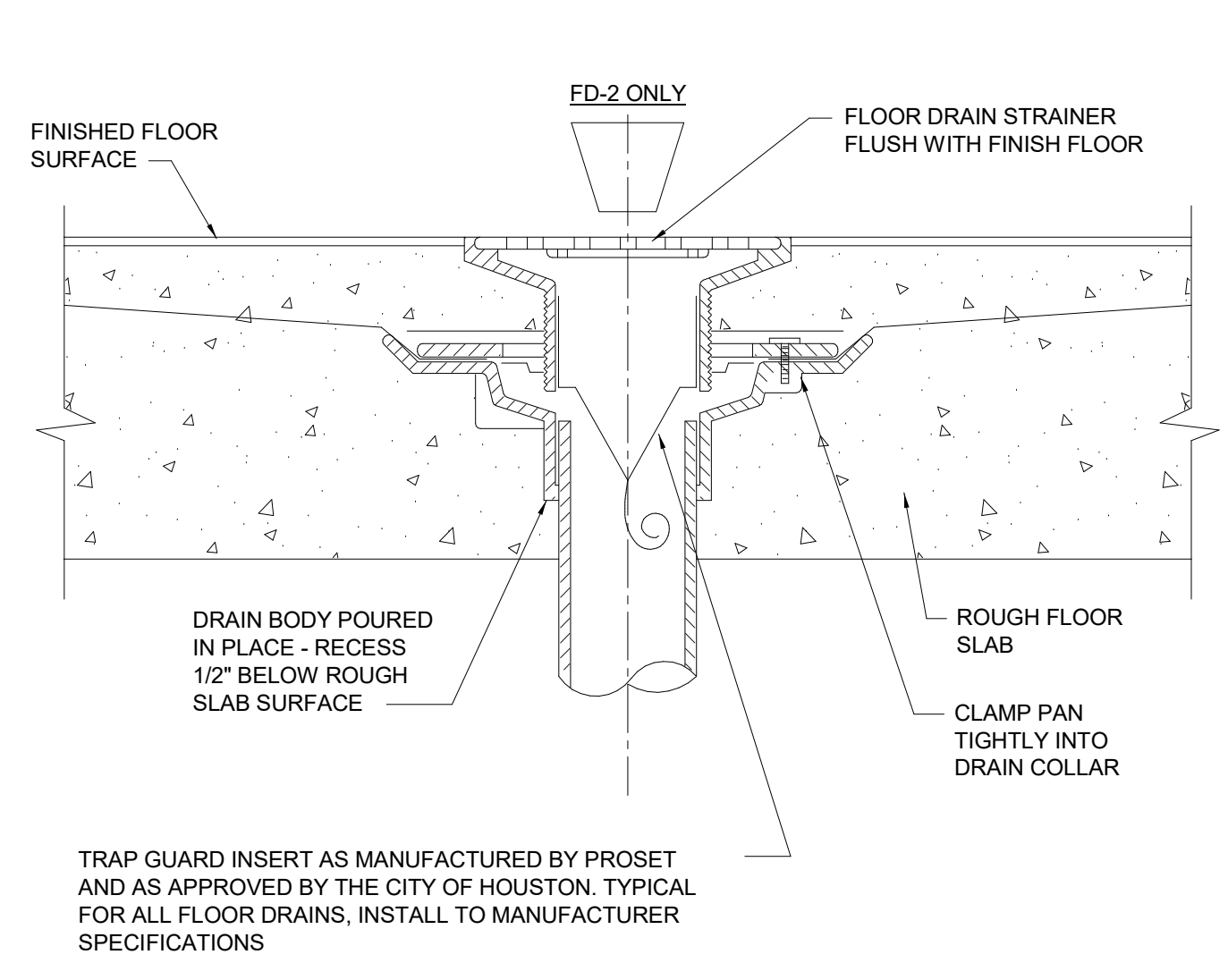
6 GRADE CLEANOUT DETAIL
SCALE: N.T.S.



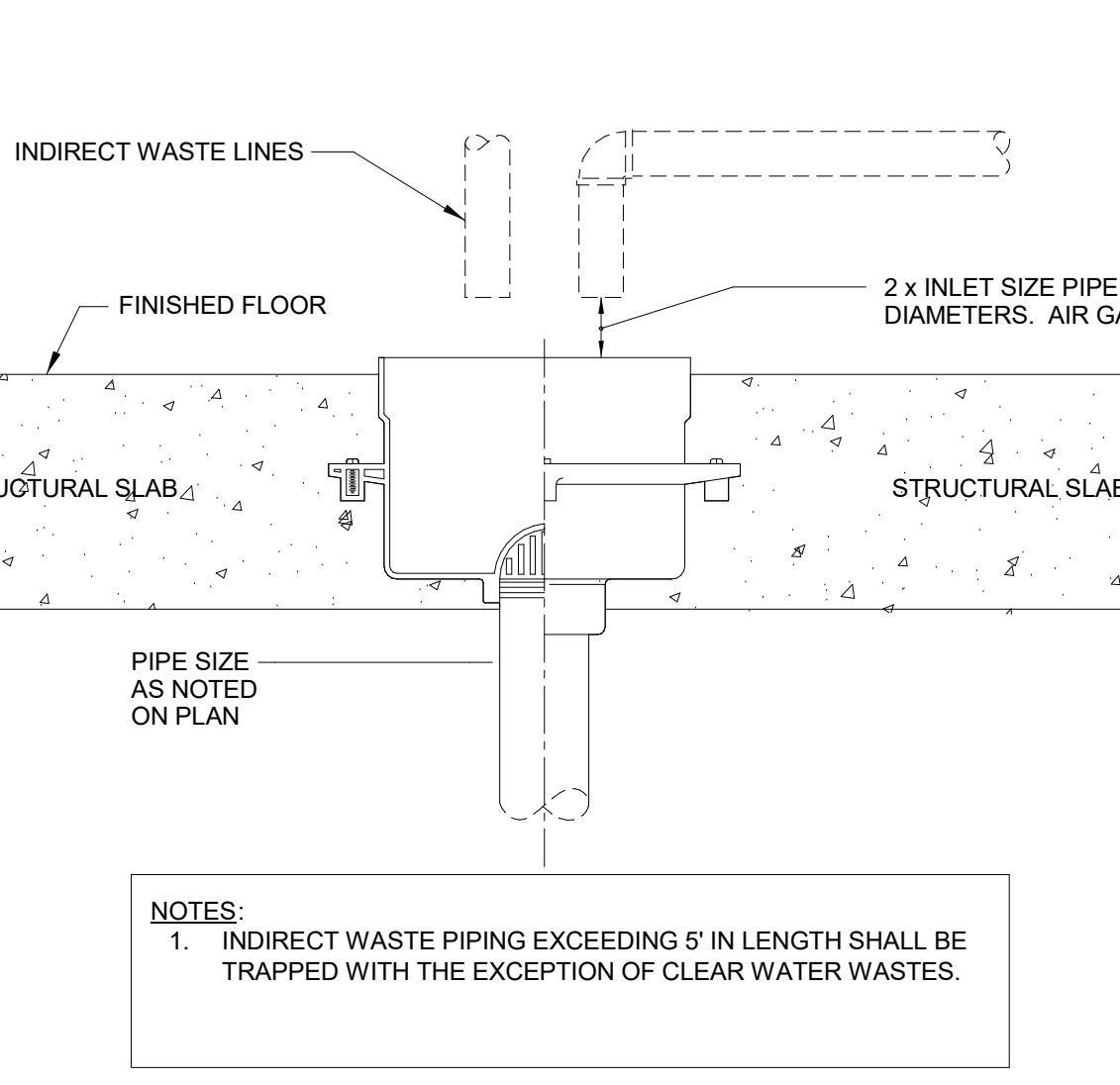
2 BELOW FOOTING, PIPE SLEEVE DETAIL
SCALE: N.T.S.



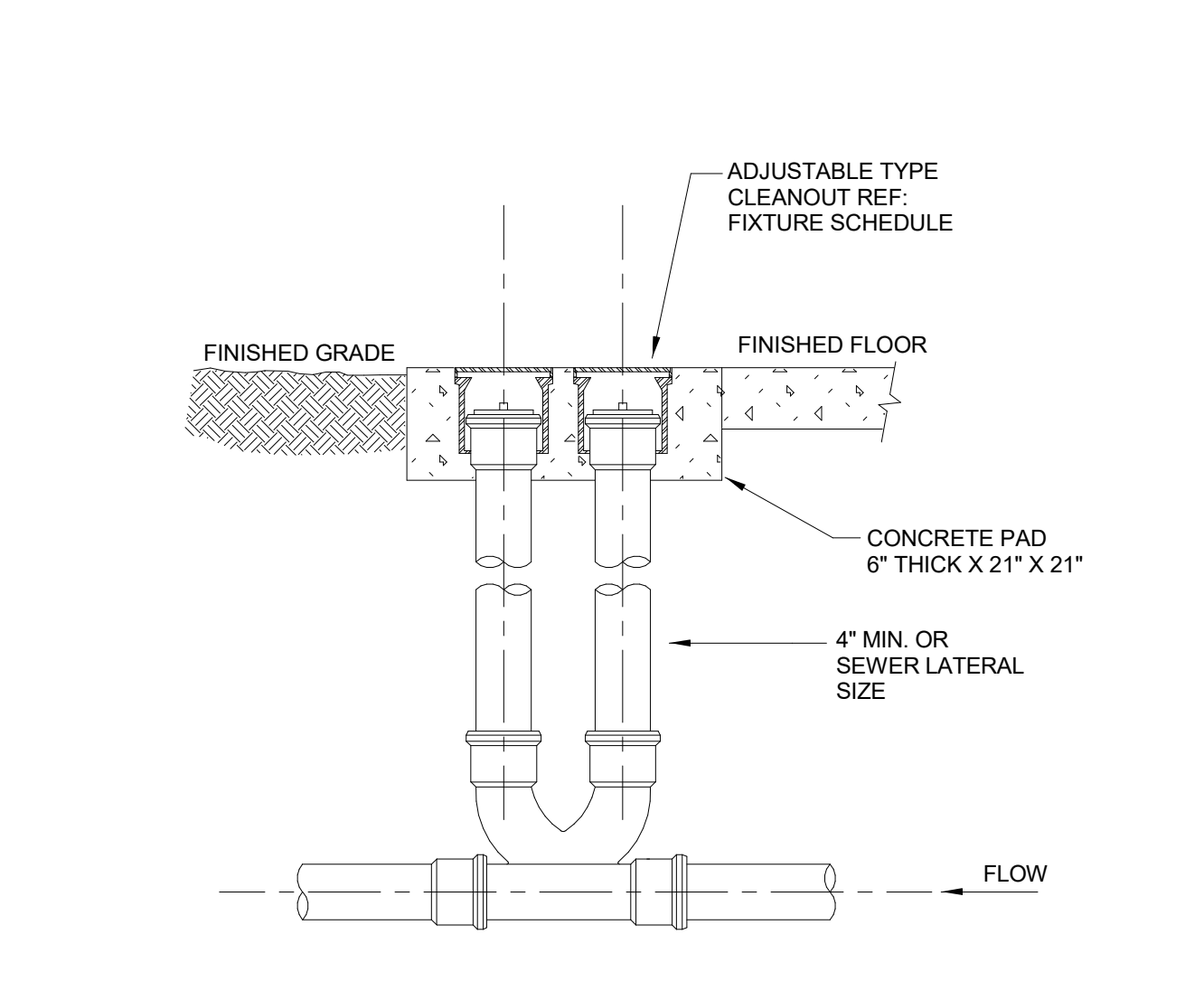
17 TYPICAL HAND WASH SINK W/TMV DETAIL
SCALE: N.T.S.



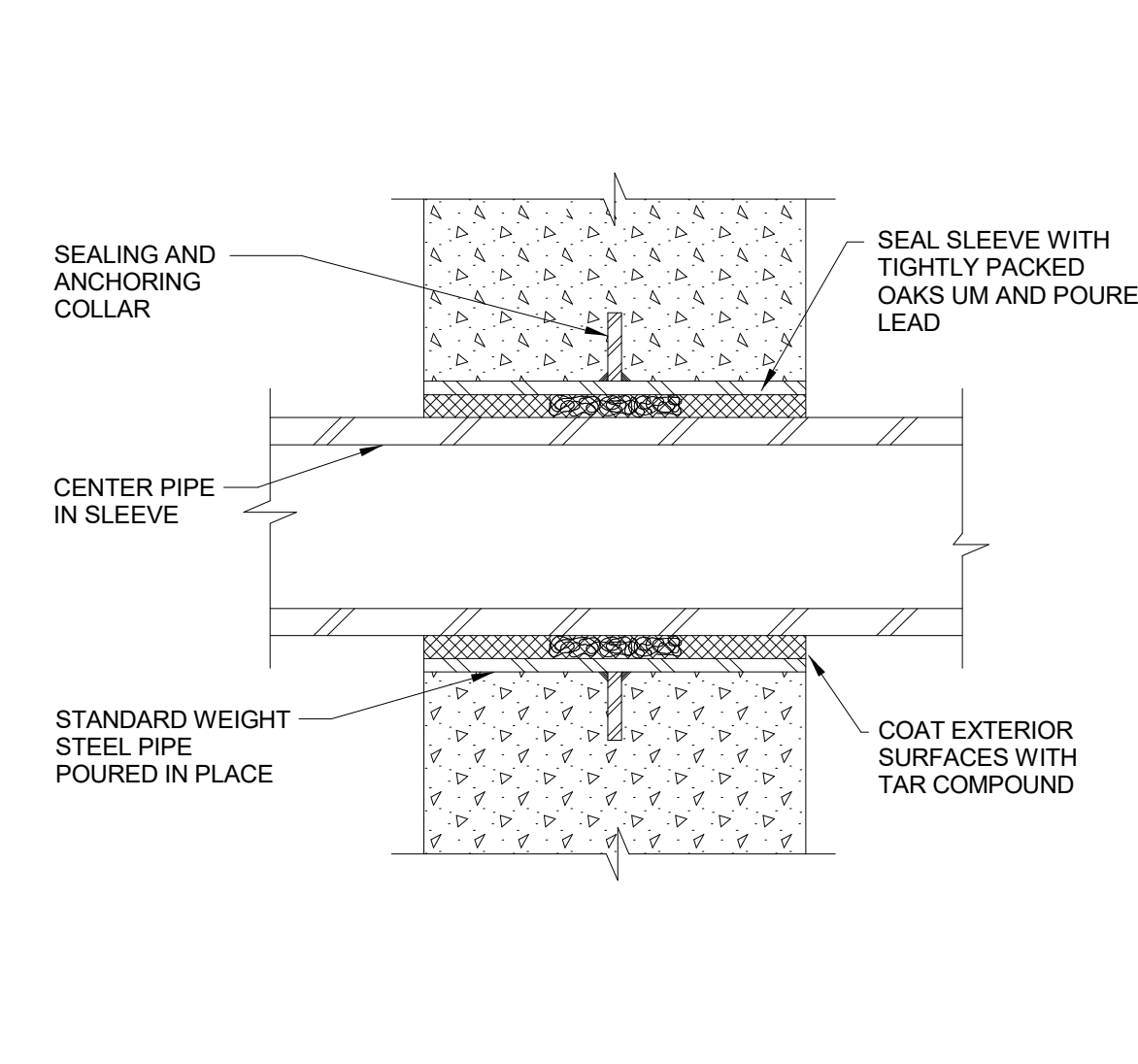
13 FLOOR DRAIN W/TRAP GUARD DETAIL
SCALE: N.T.S.



9 12' x 12' FLOOR SINK DETAIL
SCALE: N.T.S.

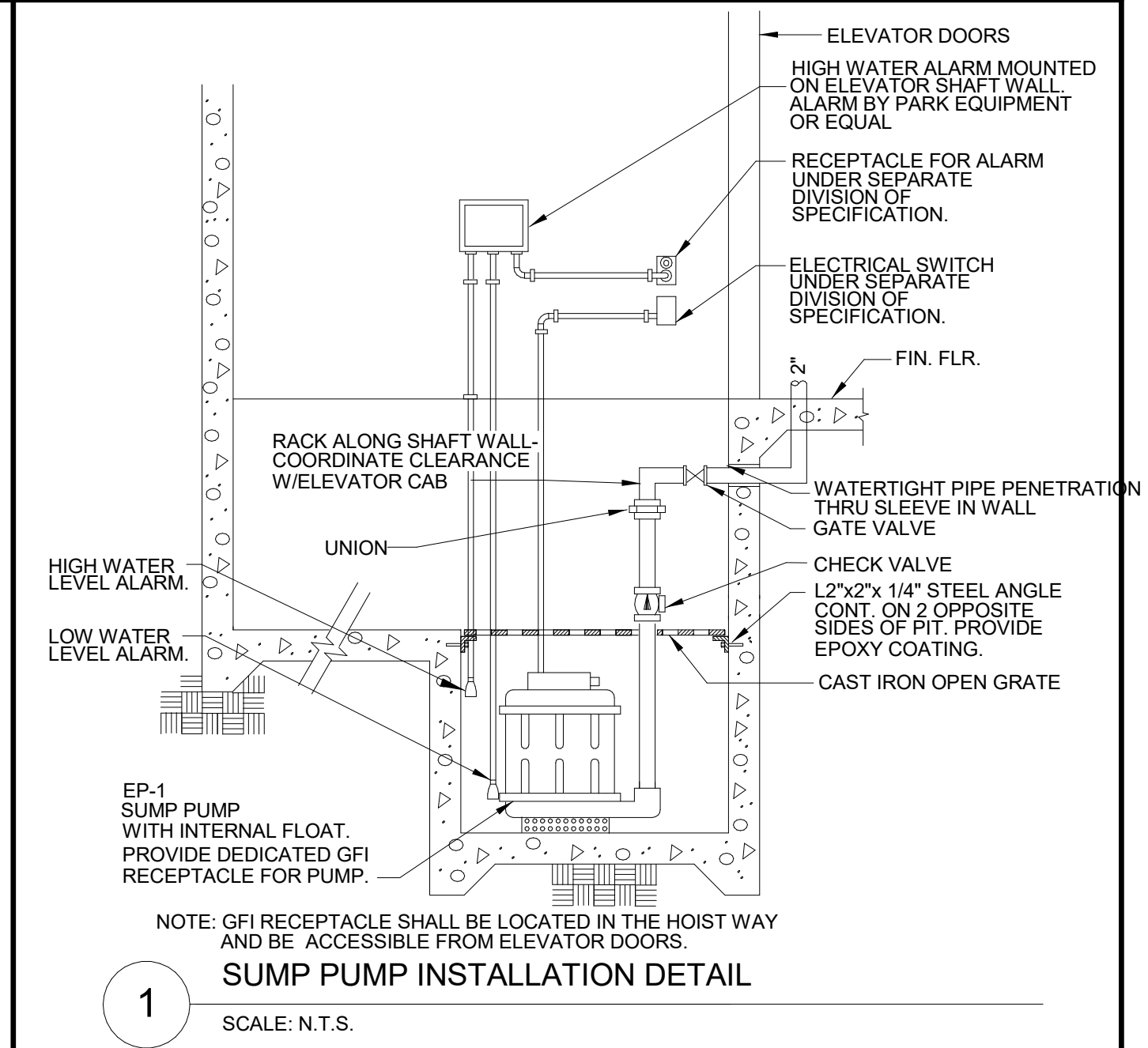
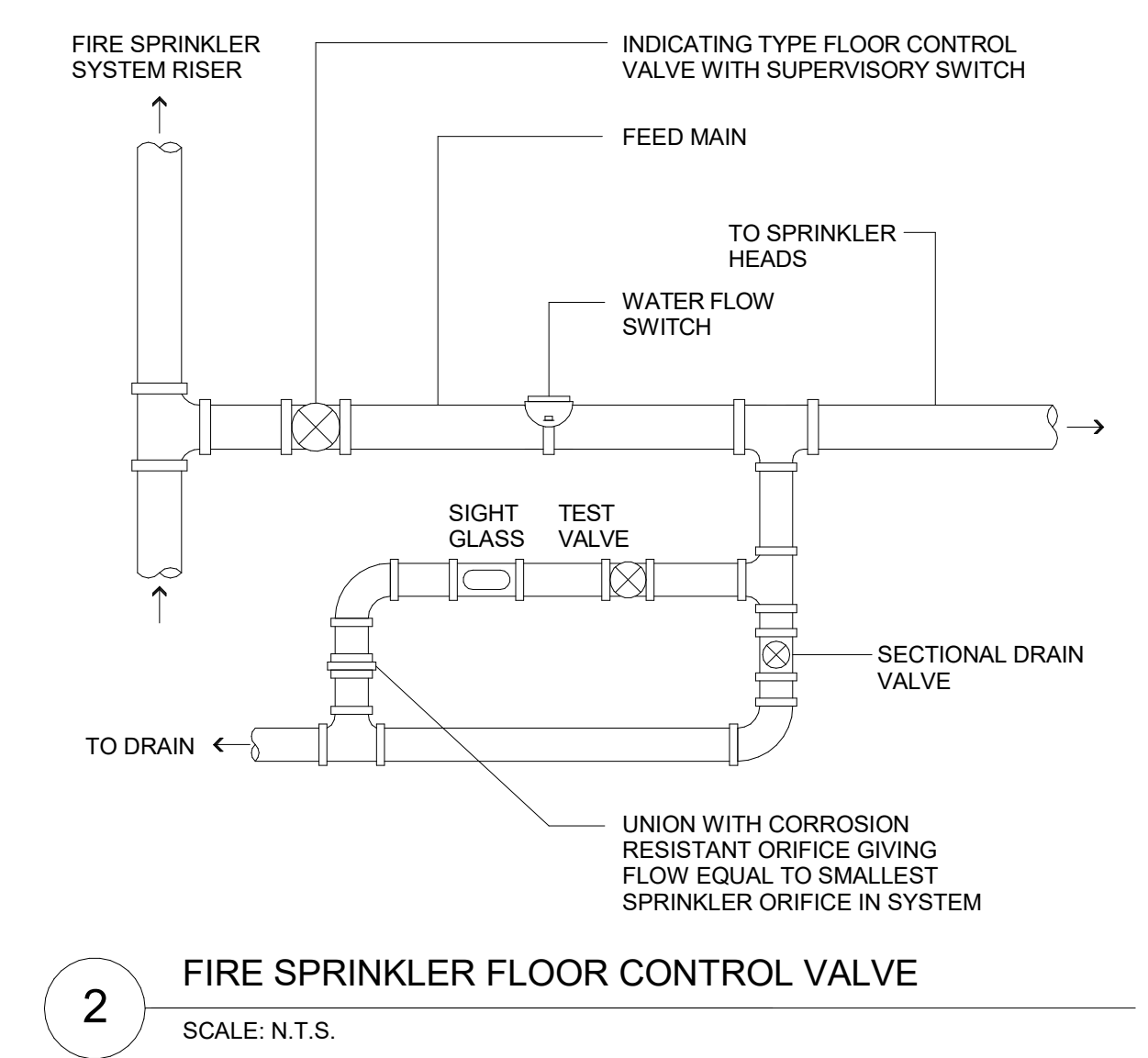


5 TWO WAY CLEANOUT DETAIL
SCALE: N.T.S.



1 TYPICAL FOUNDATION PIPE SLEEVE DETAIL
SCALE: N.T.S.

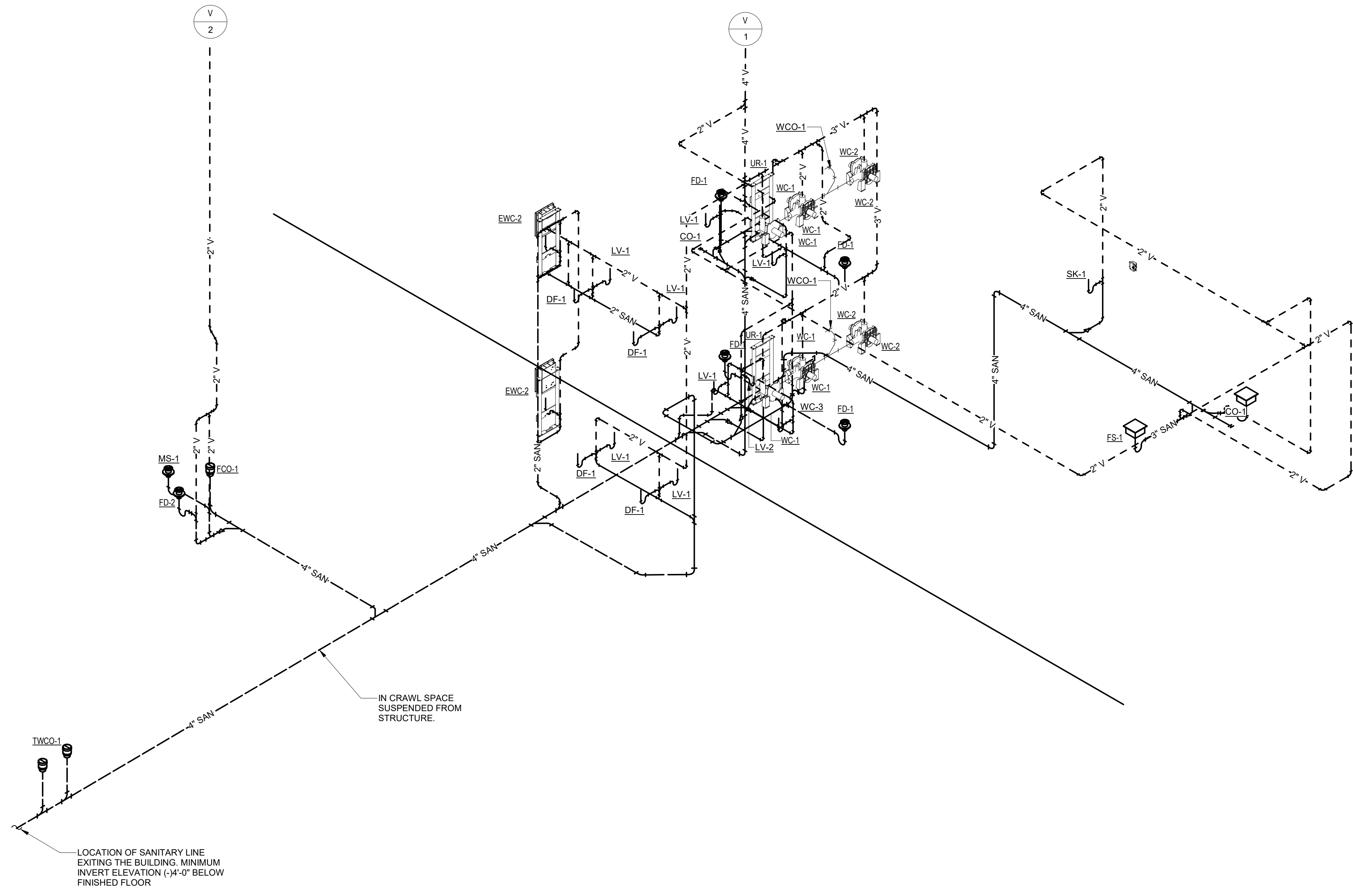
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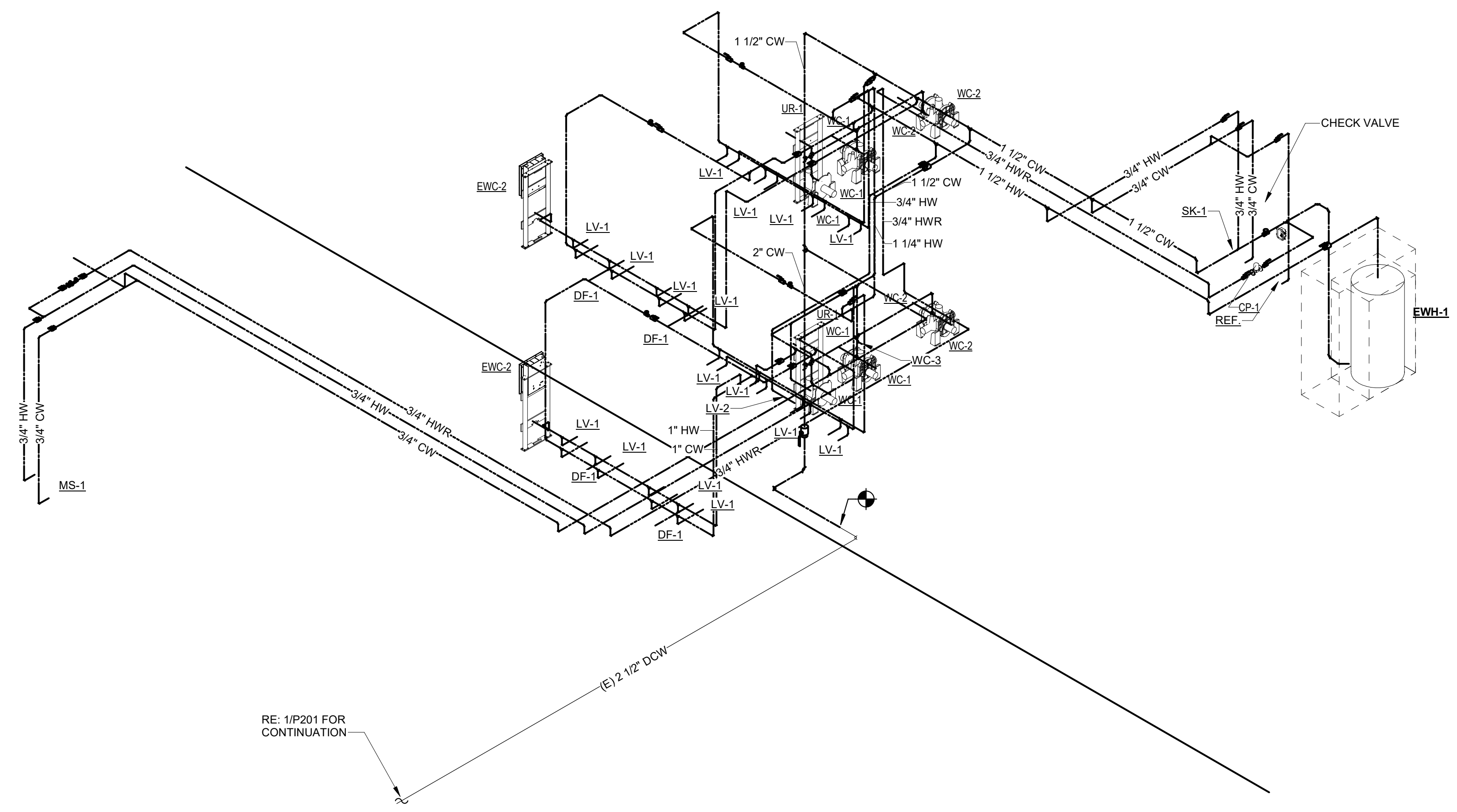
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② PLUMBING RISER DIAGRAM - SANITARY



① PLUMBING RISER DIAGRAM - WATER

INLINE PUMP SCHEDULE										
TAG	SERVING	TYPE	MANUFACTURER/ MODEL	FLOW	TOTAL HEAD (FT H2O)	VOLTS / PH / HZ	MOTOR RPM	HP	DESCRIPTION	NOTES
CP-1	EW-1	IN-LINE DHW RATED	BELL & GOSSET PL-SERIES	3 GPM	20	120 / 1 / 60	1725	-	PIPE MOUNTED WITH ISOLATION VALVES, INLET SIDE STRAINER, AND CHECK VALVE ON OUTLET.	1,2,4,5
SP-1	ELEVATOR PUMP	SUMP	BELL & GOSSET 2ECO511	50 GPM	35	120 / 1 / 60	3450	.75		3

NOTES:
1. FURNISH AND INSTALL PUMP COMPLETE WITH AQUASTAT AND TIMER.
2. MOTOR RATED SWITCH TO BE PROVIDED BY DIVISION 26.
3. PROVIDE CONTROLS & CONTROL PANEL AS DETAILED.
4. PROVIDE VIBRATION RATED HANGERS ON EACH SIDE OF THE PUMP VALVE ASSEMBLY.
5. PROVIDE WITH TIME CLOCK

PLUMBING FIXTURE SCHEDULE										
TYPE	MINIMUM ROUGH-IN SIZE				MANUFACTURER/ MODEL	DESCRIPTION	NOTES			
	WASTE	VENT	DCW	DHW						
WC-1	4"	2"	1-1/2"	--	SLOAN WETS-2450.1010	WATER CLOSET AND FLUSHOMETER COMBO, VITREOUS CHINA, FLUSH VALVE: SLOAN ROYAL #111.128 FLUSH VALVE 1.28GPF, TOP SPUD, ELONGATED BOWL, LEFT HAND TRIP LEVER, AMERICAN STANDARD #89001.100 HEAVY DUTY OPEN FRONT LESS COVER. PROVIDE JAY R. SMITH # 0210 FIXTURE SUPPORT.				
WC-2 (ADA)	4"	2"	1-1/2"	--	SLOAN WETS-2450.1010	WATER CLOSET AND FLUSHOMETER COMBO, VITREOUS CHINA, FLUSH VALVE: SLOAN ROYAL #111.128 FLUSH VALVE 1.28GPF, TOP SPUD, ELONGATED BOWL, LEFT HAND TRIP LEVER, RIM HEIGHT 17" AFF AMERICAN STANDARD #89001.100 HEAVY DUTY OPEN FRONT LESS COVER. PROVIDE JAY R. SMITH # 0210 FIXTURE SUPPORT.				
WC-3 (ADA)	4"	2"	1-1/2"		SLOAN ST-2448	ELONGATED FLOOR-MOUNTED ADA WATER CLOSET, VITREOUS CHINA, FLUSH VALVE: SLOAN ROYAL #111.128 FLUSH VALVE 1.28GPF, TOP SPUD, ELONGATED BOWL, LEFT HAND TRIP LEVER, AMERICAN STANDARD #89001.100 HEAVY DUTY OPEN FRONT LESS COVER.				
LV-1 (ADA)	2"	2"	3/4"	3/4"	ZURN Z50001.02.02	ZURN SUNDARA REEF DOUBLE BASIN LAVATORY SYSTEM. LAVATORY SHALL BE MOUNTED AT STANDARD HEIGHT TO CONFIRM WITH ANSI, UFAS, TAS AND ADA ACCESSIBILITY STANDARDS. COUNTER AND INTEGRAL BASIN TO BE CONSTRUCTED OF SUNDARA SOLID SURFACE PURE ACRYLIC RESIN WITH ALUMINUM TRIHYDRATE AND OTHER FILLERS AND CONFORM TO CSA845.5/2124 AND ICC 156 STANDARDS. SHROUD ENCLOSURE IS TO BE CONSTRUCTED OF SATIN FINISHED TYPE 304, 18 GAGE STAINLESS STEEL. LAVATORY FAUCET DELTA 87T111 SINGLE HOLE MOUNT METERING FAUCET 0.25 GPM AND LIQUID SOAP DISPENSER 2690-S0, 3/4" QUARTER TURN SUPPLY STOPS, 3/8" FLEXIBLE SUPPLY RISERS, CHROME 1-1/2" TAIL PIECE, CHROME 1-1/2" P-TRAP, CARRIER (ZURN MODEL #Z1240-EZR SUNDARA LAVATORY CARRIER) AND THERMOSTATIC MIXING VALVE (TMV-1 ONE FOR EACH FAUCET) FOR COMPLETE SYSTEM OPERATION. SET TMV-1 DISCHARGE AT 110F. COLOR OF SINK SHALL BE SEA SHELL (03).				
LV-2 (ADA)	2"	2"	3/4"	3/4"	SLOAN SS-3003	LAVATORY - WALL-HUNG VITREOUS CHINA WITH BACKSPASH. FAUCET: SLOAN #EBF-650-4-BAT-BDT-CP-0.5GPM-M-L-R-BT-FCCT. SUPPLY WITH STOP. MCGUIRE #BV216SCC LOOSE KEY SUPPLY AND STOP KIT. DRAIN/TAIL PIECE: MCGUIRE #150WC OFFSET LIFT AND TURN PLUG. TRAP: MCGUIRE #8090 CAST P-TRAP WITH CLEANOUT. INSULATION: TRUEBRO #LAV SHIELD PROTECTIVE ENCLOSURE ON TRAP. DRAIN AND BOTH HOT AND COLD SUPPLY. LAVATORY SUPPORTS: JAY R. SMITH #0700.				
SK-1 (ADA)	2"	2"	3/4"	3/4"	ELKAY LRAD282160	ELKAY LUSTERTONE CLASSIC STAINLESS STEEL 25"x21-1/4"x8", SINGLE BOWL DROP IN ADA SINK. ELKAY #BKGT1041 COURNET SINGLE HOLE KITCHEN FAUCET WITH SPRAY AND LEVER HANDLE WITH HI AND MID-RISE 1.75GPM. SUPPLY WITH STOP. MCGUIRE #BV216SCC LOOSE KEY SUPPLY AND STOP KIT. DRAIN/TAIL PIECE: MCGUIRE #150WC OFFSET LIFT AND TURN PLUG. TRAP: MCGUIRE #8090 CAST P-TRAP WITH CLEANOUT. INSULATION: TRUEBRO #LAV SHIELD PROTECTIVE ENCLOSURE ON TRAP, DRAIN, AND BOTH HOT AND COLD SUPPLY.				
UR-1 (ADA)	2"	2"	3/4"	--	SLOAN WEUS-1000.1007	URINAL - FLUSHOMETER COMBO WITH SLOAN ROYAL #186.05 GPF. MOUNT PER ADA HEIGHT.				
MS-1	2"	2"	3/4"	3/4"	STERN-WILLIAMS SB-803	SERVICEPTOR 24"x24"x12" FLOOR MOUNTED SERVICE SINK. FAUCET: #SC-5811 COMMANDER WALL MOUNTED FAUCET. 4" WRIST BLADE HANDLES. INTEGRAL VACUUM BREAKER. PROVIDE 3" QUICK DRAIN CONNECTOR MODEL T-35 HOSE AND WALL BRACKET MODEL T-40 SS MOP HANGER, MODEL 1453-BB STAINLESS STEEL STRAINER DRAIN AND WALL GUARD.				
ECO-1	4"				JAY R. SMITH 4120A	DUCO CAST IRON GRADE CLEANOUT WITH ROUND ADJUSTABLE SCORIATED CAST IRON TOP.				
TWCO-1	4"				JAY R. SMITH 4220	STAINLESS STEEL SHALLOW COVER WITH CENTER SCREW.				
WCO-1	4"				JAY R. SMITH 4710	DUCO CAST IRON GRADE CLEANOUT WITH ROUND ADJUSTABLE SCORIATED CAST IRON TOP.				
FD-1	3"	2"	3/4"		JAY R. SMITH 2005Y02B	5" SQUARE TOP STRAINER HEAD FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD. PROVIDE TRAP PRIMER.	1-3			
FD-2	3"	2"	3/4"		JAY R. SMITH 2005Y02B	5" SQUARE TOP STRAINER HEAD FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD. PROVIDE TRAP PRIMER. PROVIDE WITH JAY R. SMITH #3580 FUNNEL STRAINER.				
FS-1	3"	2"	3/4"		JAY R. SMITH 3150	SANI-CEPTOR FLOOR SINK, 8" DEEP. PROVIDE DRAIN WITH 3/4 GRATE.	1-3			
WHA-1					WATTS LF15M2	PLUMBING FIXTURE BANK WATER SUPPLY BRANCH LINE. ASSE 1010 APPROVED. ANSI A112.26M APPROVED, PDI WH201 APPROVED AND CERTIFIED.				
EWC-1	2"	2"	3/4"		ELKAY EZS1LBSFC WILKAPREZL	BH-LEVEL VERSATILE ADA COOLER WALL MOUNTED ADA 8 GPH STAINLESS STEEL FINISH-115V/60HZ, MCGUIRE #BV09 LOOSE KEY SUPPLY AND STOP KIT. TRAP: MCGUIRE #8090 CAST P-TRAP WITH CLEANOUT. SUPPORT: ELKAY #MLP200 IN WALL MOUNTING SYSTEM. PROVIDED WITH CANE APRON.				
EWC-2	2"	2"	3/4"		ELKAY LBWD06	EZH20 KUV BUILT-IN FILTERED WATER DISPENSER WITH CHILLER. 115V/60HZ, MCGUIRE #BV09 LOOSE KEY SUPPLY AND STOP KIT. TRAP: MCGUIRE #8090 CAST P-TRAP WITH CLEANOUT. SUPPORT: ELKAY #MLP200 IN WALL MOUNTING SYSTEM.				
WB-1			3/4"		IPS CORPORATION 87967	PLASTIC SQUARE REFRIGERATOR OUTLET BOX WITH LEAD FREE QUARTER TURN HAMMER VALVE.				
CQ-1	4"				JAY R. SMITH 4472T	CAST BRONZE PLUG CLEANOUT				
WH-1			3/4"		WOODFORD B67	BOX TYPE BACKFLOW PROTECTED FREEZELESS WALL HYDRANT				

NOTES:
1. PROVIDE WITH VANDAL RESISTANT SCREWS
2. PROVIDE WITH DEEP SEA TRAP.
3. ALL DRAINS SHALL BE PROVIDED WITH TRAP GUARD.

ELECTRIC WATER HEATER SCHEDULE										
TAG	MANUFACTURER & MODEL No.	LOCATION	CAPACITY GAL.	RECOVERY GPH	TEMPERATURE RISE (F)	ELECTRICAL				REMARKS
						KW	VOLTS	PH	HZ	
EW-1	BRADFORD WHITE #CEHD50(A) 24 3CF	MECH. #210	50	95GPH	100	24	480	3	60	1-3

NOTES:
1. SET WATER HEATER TEMPERATURE TO 140° F DEGREES.
2. ELECTRICAL DISCONNECT TO BE PROVIDED BY DIVISION 26.
3. PROVIDE ET-1

WATER STORAGE TANK SCHEDULE				
TAG	TYPE	MANUFACTURER	MODEL	STORAGE GAL.
ET-1	POTABLE WATER	AMTROL	ST-5C	2



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800 S. COULTER DR. BRYAN, TX 77803
PLUMBING SCHEDULES

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