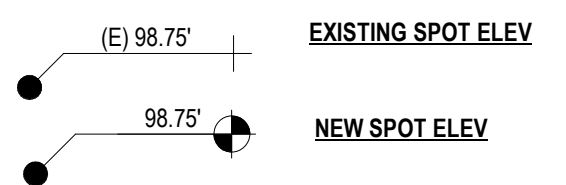
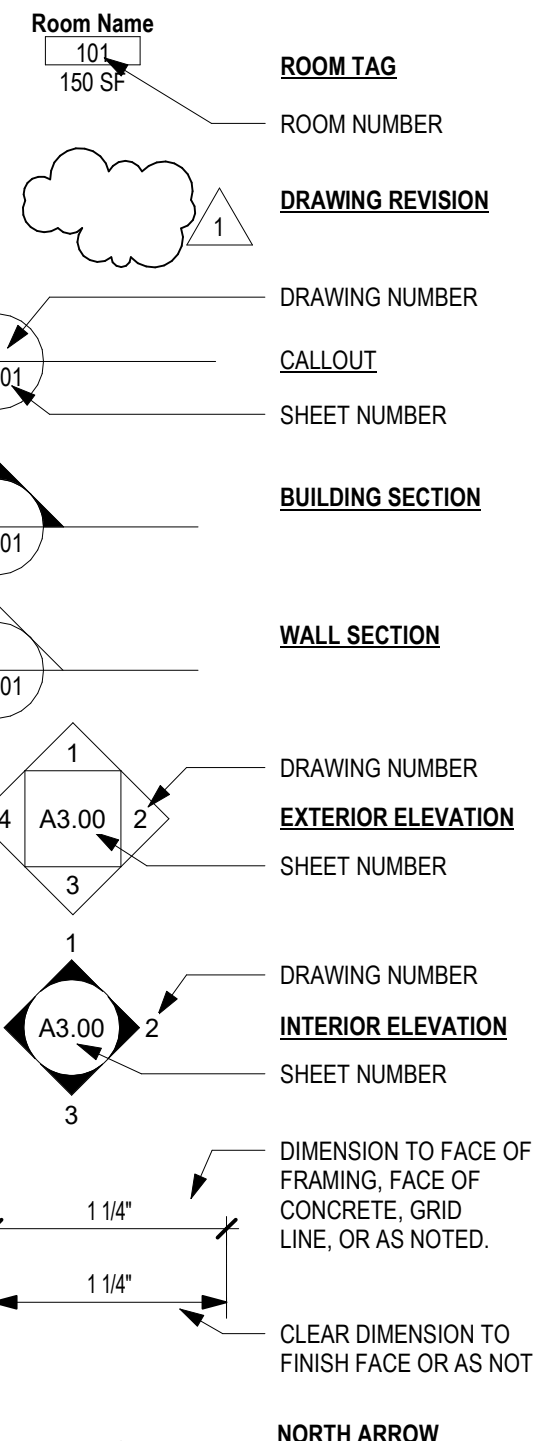


C L A R K **K J O S**
A R C H I T E C T S , L L C

421 SW Sixth Avenue, Suite 1300
Portland, OR 97204

Phone: 503/224-4848



2. CONTRACTOR TO VERIFY ALL LISTING CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK.
3. DO NOT SCALE DRAWINGS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
4. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS OF ALL AGENCIES WITH THE DRAWINGS AND SPECIFICATIONS. ACCURATE LOCATION OF STRUCTURAL MEMBERS, AND OPENINGS FOR MECHANICAL, ELECTRICAL, AND MISCELLANEOUS EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE DIMENSIONS AND CLEARANCES FROM MANUFACTURER PRIOR TO THE CONSTRUCTION AND INSTALLATION OF ALL EQUIPMENT, FURNISHINGS, AND ACCESSORIES.
6. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE DURING CONSTRUCTION AND UNTIL PROJECT COMPLETION.
7. PROVIDE BACKING, BLOCKING, OR STRAPPING AS REQUIRED FOR GRAB BARS, SHELVING, EQUIPMENT, HANDRAILS, ACCESSORIES, AND ETC.
8. COORDINATE LOCATIONS OF IN-WALL ITEMS TO AVOID BACK TO BACK INSTALLATION.
9. ALL SAFETY GLAZING SHALL BE PERMANENTLY LABELED WITH THE MANUFACTURER'S NAME AND TEST APPROVAL INFORMATION.
10. REF. STRUCTURAL DRAWING FOR REQUIRED SCHEDULE AND SIZE.
11. REF. MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL AND EQUIPMENT INFORMATION.
12. UNLESS OTHERWISE NOTED, ALL MATERIAL AND DESIGN SPECIFICATIONS CITED HEREIN SHALL CONFORM TO THE MOST RECENT EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) AIA A191-1991, REVISION 1.
13. THESE ARCHITECTURAL NOTES ARE A SUPPLEMENT TO THE PROJECT SPECIFICATIONS. ANY DISCREPANCY FOUND AMONG THE DRAWINGS, SPECIFICATIONS, THESE NOTES, AND ANY SITE CONDITIONS SHALL BE REPORTED IN A TIMELY MANNER AND IN WRITING TO THE ARCHITECT. NO WORK SHALL BE DONE UNTIL ANY DISCREPANCY IS RESOLVED. ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK.
13. CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR CONSTRUCTION.
14. THE ARCHITECTURAL DRAWINGS REPRESENT THE DESIGN INTENT AND ARE NOT INTENDED TO INDICATE THE MEANS AND METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCING, AND SCHEDULING FOR THE PROJECT.
15. ALL FEATURES OF CONSTRUCTION NOT FULLY SHOWN SHALL BE THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS SUBJECT TO REVIEW BY THE ARCHITECT.
16. THE PRODUCTS AND MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE APPLIED, PLACED, ERECTED, OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
17. THESE DOCUMENTS CONTAIN NOTES THAT MAY APPLY IN GENERALITY TO ALL DESIGN ELEMENTS, SPECIFICALLY TO ONE SHEET, OR TO ONE OR MORE SHEETS OF THE PROJECT. THE CONTRACTOR SHALL REVIEW THE NOTES, THEY ARE PART AND PARCEL OF THE DESIGN. ANY WORK THAT IS NOTED THAT IS NOT IN COMPLIANCE WITH THE NOTES IS NOT IN COMPLIANCE WITH THE DESIGN AND IS SUBJECT TO REJECTION. ANY ALTERATION, MODIFICATION, DELETION, OR ADDITION TO THE NOTES BY WRITING, ACT OR FAILURE TO ACT SHALL BE PROHIBITED. THE CONTRACTOR SHALL NOT PROCEED UNTIL THE CONTRACTOR HAS OBTAINED THE APPROVAL OF THE ARCHITECT.
18. CONTRACTOR TO MAINTAIN WEATHER TIGHT FACILITY AT ALL TIMES.
19. WHERE MATERIALS ARE STORED ON SITE PRIOR TO INSTALLATION, CONTRACTOR SHALL PROTECT THOSE MATERIALS FROM WEATHER DAMAGE.
20. CONTRACTOR SHALL WORK WITH FACILITIES TO ENSURE WORKSITE SECURITY AT ALL TIMES.

J	DIAMETER PERPENDICULAR	F.O	FACE OF FIRE ALARM	OFO	OWNER FURNISHED, OWNER INSTALLED
AB	AIR CONDITIONING	FAF	FLOOR APPLIED FLOORING	OFI	OVERHEAD OPPOSITE
AC	ANCHOR BOLT	FE	FIRE EXTINGUISHER	OPP	
ACC	ACCESSIBLE	FEC	FIRE EXTINGUISHER CABINET	P	PAINTED
ACT	ACOUSTICAL TILE	FF	FINISH FLOOR	PERF	PERFORATED
ADD	ADD ALUMINUM	FGL	FIBERGLASS	PLM	PLASTIC LAMINATE
ADP	ABOVE FINISH FLOOR	FHC	FIRE HOSE CABINET	PSF	POUNDS PER SQUARE FOOT
AL	ALUMINUM	FIN	FINISHED	PPS	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FLOUR	FLOUREST	PT	PRESSURE TREATED
ANOD	ANODIZED	FLR	FLOOR(ING)	PTD	PAPER TOWEL DISPENSER
AP	ACCESS PANEL	FO	FOUNDATION	PTN	PARTITION
ARCH	ARCHITECTURAL	FPP	FIREPROOFING	PVD	PLYWOOD
AUTO	AUTOMATIC	FPR	FIBER-REINFORCED PLASTIC	QT	QUARRY TILE
		FT	FIRE TREATED		
		FTG	FOOTING		
B.O.	BOTTOM OF BATT INSULATION				
BIT	BITUMINOUS	GA	GAUGE	RA	RETURN AIR
BOL	BOLTED	GALV	GALVANIZED	RAD	RADIANT
BM	BENCH MARK	GB	GRAB BAR	REF	REFRIGERATOR
BOL	BOLLARD	GL	GLASS, GLAZING	REQ	REQUIRED
BR	BUILDING PAPER	GWB	GYPSPUM WALL BOARD	REV	REVISION(S), REVISED
		GYP	GYPSPUM	RI	RIGHT HAND
		GYP BD	GYPSPUM BOARD	RM	ROOM
CCTV	CLOSED CIRCUIT TV			RO	ROUGH OPENING
CF	CUBIC FOOT	HB	HOSE BIBB	RV	REVERSE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	HC	HOLLOW CORE		
CG	CORNER GUARD	HDR	HEADER		
CJ	CONTROL JOINT	HDW	HARDWARE	SAM	SELF ADHERED MEMBRANE
CLG	CEILING	HLM	HOLLOW METAL	SC	SOLID CORE
CLR	CLEAR(ANCE)	HR	HORIZONTAL	SCHED	SCHEDULE
CMU	CONCRETE MASONRY UNIT	HR	HOUR	SEC	SECTION
COL	COLUMN	HT	HEIGHT	SFRM	SPRAY-APPLIED FIRE RESIST
CONC	CONCRETE	HTG	HEATING		
CONST	CONSTRUCTION	HVAC	HEATING, VENTILATING, AIR CONDITIONING	SIM	SIMILAR
CONT	CONTINUOUS, CONTINUE			SPEC	SPECIFICATION(S)
CTR	CERAMIC TILE	HW	HARDWOOD	SQ	SQUARE
CT	CENTER	ID	INSIDE DIAMETER	STD	STANDARD
		INS	INSULATED, INSULATION	STL	STEEL
DA	DOUBLE ACTING DEMOLISH/DEMOLITION	INT	INTERIOR	STR	STRUCTURAL
DEMO		INT	INTERIOR	SUPP	SUPPLEMENT, SUPPLY

OWNER: OREGON YOUTH AUTHORITY 530 CENTER ST NE, Ste. 500 SALEM, OR 97301 TEL: (971) 719-6580 ATTN: ANDRE BILLINGSLEY, FACILITY MANAGER EMAIL: ANDRE.LBILLINGSLEY@OYA.OREGON.GOV	STRUCTURAL: LEWIS & VAN VLEET, INC. 10850 SW BOULEVARD FERRY RD. TUALATIN, OR 97062 TEL: (503) 885-8605 ATTN: LANCE CERNY, PE EMAIL: LANCEC@LVVI.COM
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PORTLAND, OR 97204	PORTLAND, OR 97204
TEL: (503) 206-3825	TEL: (503) 416-2400
ATTN: WILLIAM SLOMAN, PROJECT MANAGER	ATTN: CHRIS LARSON, PE
EMAIL: WILLSLOMAN@CKARCH.COM	EMAIL: CLARSON@SAZAN.COM

THIS PROJECT CONSISTS OF THE RENOVATION OF 2,985 SF AND EXPANSION OF 1,865 SF FOR THE INFIRMARY AT OREGON YOUTH AUTHORITY'S MACLAREN FACILITY. THE RENOVATION WILL INCLUDE EXPANDING THE MEDICAL LAB, A SECURITY STATION, MED ROOM AND SUPPLY, AND A RECEIVING/STORAGE AREA. THE EXPANSION WILL INCLUDE FOUR PATIENT ROOMS, A SHARED DAY ROOM, A NEW NURSE STATION, TWO SUPERVISOR OFFICES, AND A MEETING ROOM. AFTER MOVING THE EXISTING MED ROOM, THE WALLS WILL BE REMOVED FOR AN ENLARGED GENERAL STORAGE ROOM.

GENERAL		MECHANICAL	
G0.01	GEN. NOTES, SYMBOL, ABBRE. & FINISH CODE	M0.00	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
G1.01	FIRE AND LIFE SAFETY	M0.01	MECHANICAL LEGEND
G2.01	SITE PLAN	M2.00	MECHANICAL SCHEDULE
G2.01	PARTITION, WALL AND ROOF ASSEMBLIES	M1.01	MECHANICAL DEMOLITION - FIRST FLOOR PLAN - OVERALL
G2.02	PARTITION DETAILS	M1.02	MECHANICAL DEMOLITION - ROOF PLAN - OVERALL

D0.01	DEMO SITE PLAN	M3.12	MECHANICAL HVAC - FIRST FLOOR PLAN - STORAGE AREA
D1.01	DEMO PLAN- LEVEL 1	M4.01	MECHANICAL PIPING - FIRST FLOOR PLAN - OVERALL

A1.01	ARCHITECTURAL SITE PLAN	M3.00	MECHANICAL DRAWINGS
A2.01	FLOOR PLAN - LEVEL 1	M7.00	MECHANICAL DETAILS

[illegible]

A6.03	EXTERIOR DETAILS	E6.00	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
A6.04	EXTERIOR DETAILS	E6.01	ELECTRICAL LEGEND
A6.05	EXTERIOR DETAILS	E6.02	ELECTRICAL LIGHTING SCHEDULES
A7.01	INTERIOR DETAILS - CASEWORK	E6.03	ELECTRICAL EQUIPMENT SCHEDULE
A7.02	INTERIOR DETAIL	E6.04	ELECTRICAL DEMOLITION - SITE PLAN
A8.01	DOOR SCHEDULE & WINDOW TYPES	E6.05	ELECTRICAL DEMOLITION - FIRST FLOOR PLAN - OVERALL

Q2.11	ENLARGED EQUIPMENT PLAN - PATIENT AREA	ED4.12	ELECTRICAL DEMOLITION - FIRST FLOOR PLAN - STORAGE
Q2.12	ENLARGED EQUIPMENT PLAN - STORAGE AREA	ED4.13	ELECTRICAL DEMOLITION - ROOF PLAN - OVERALL
		ED4.14	ELECTRICAL - SITE PLAN

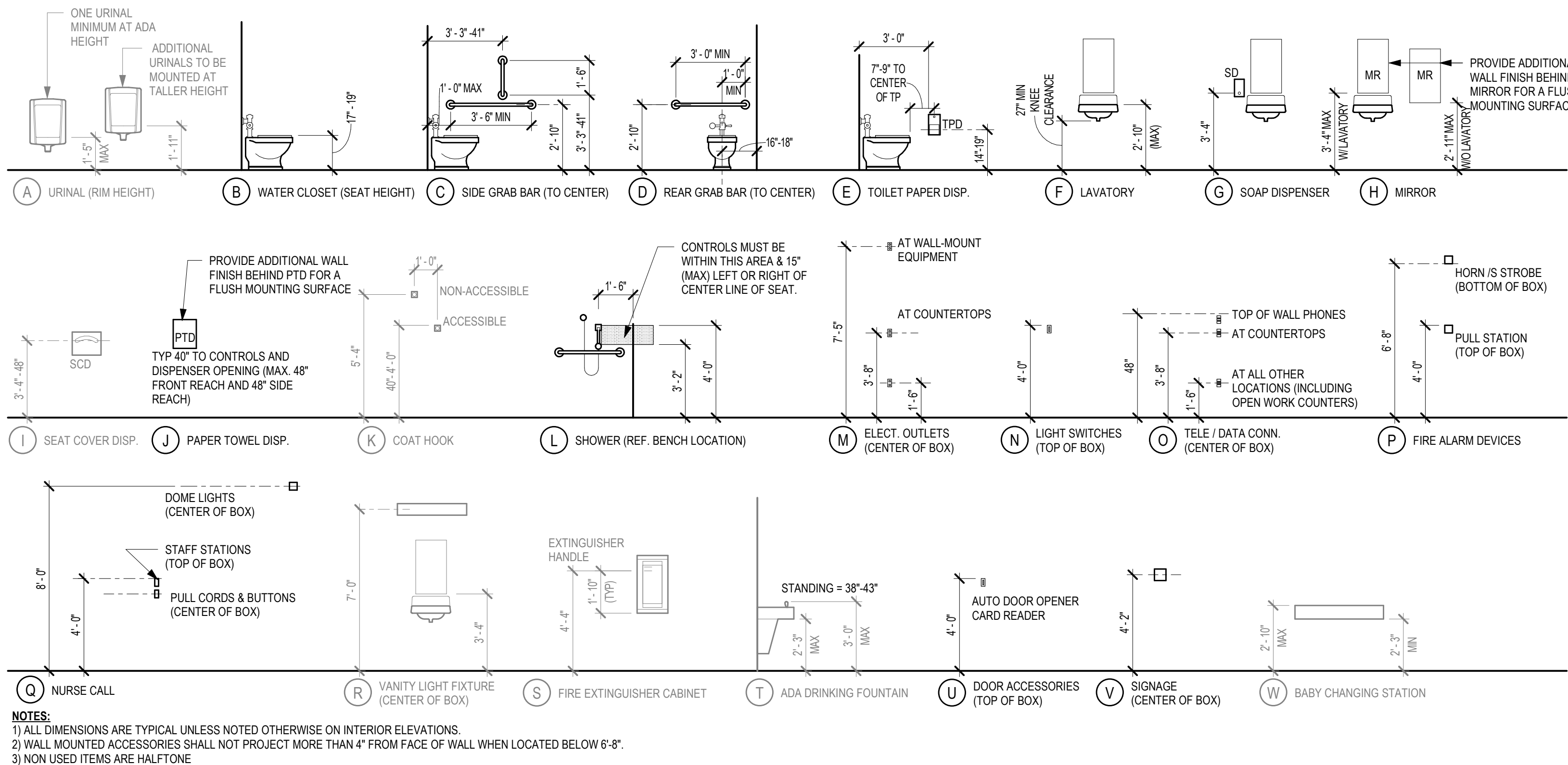
\$1.00	STRUCTURAL NOTES	E3.02	ELECTRICAL LIGHTING - FIRST FLOOR PLAN - STORAGE AREA
\$1.01	FDN. PLAN - LEVEL 1	E4.01	ELECTRICAL POWER - FIRST FLOOR PLAN - OVERALL
\$1.02	FOUNDATION DETAILS	E4.02	ELECTRICAL POWER - ROOF PLAN - OVERALL
\$1.03	FOUNDATION DETAILS	E4.03	ELECTRICAL POWER - FIRST FLOOR PLAN - PATIENT AREA
\$2.01	ROOF FRMG PLAN - LEVEL 1	E4.04	ELECTRICAL POWER - FIRST FLOOR PLAN - STORAGE AREA
\$2.02	ROOF FRMG DETAILS	E4.12	ELECTRICAL POWER - ROOF PLAN - PATIENT AREA
\$2.03	ROOF FRMG DETAILS	E4.14	ELECTRICAL POWER - ROOF PLAN - STORAGE AREA
\$2.04	ROOF FRMG DETAILS	E6.00	ELECTRICAL ONE-LINE DIAGRAM

T0.00	SYSTEMS GENERAL NOTES AND LEGEND
T3.01	SYSTEMS - FIRST FLOOR PLAN - OVERALL
T3.11	SYSTEMS - FIRST FLOOR PLAN - PATIENT AREA
T3.12	SYSTEMS - FIRST FLOOR PLAN - STORAGE AREA
T7.00	SYSTEMS DETAILS

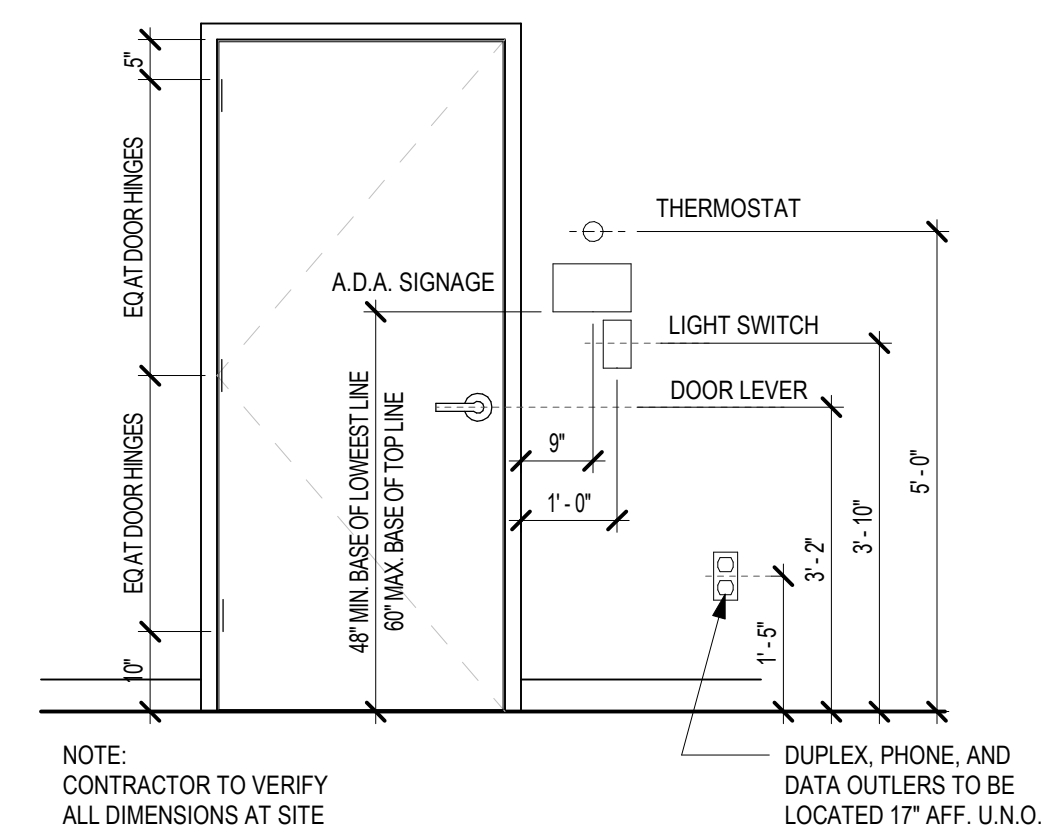
DELEGATED DESIGN EFFORTS ARE AS FOLLOWS AND
AS INDICATED IN DRAWINGS:

- FIRE ALARM
- FIRE SPRINKLER SYSTEM

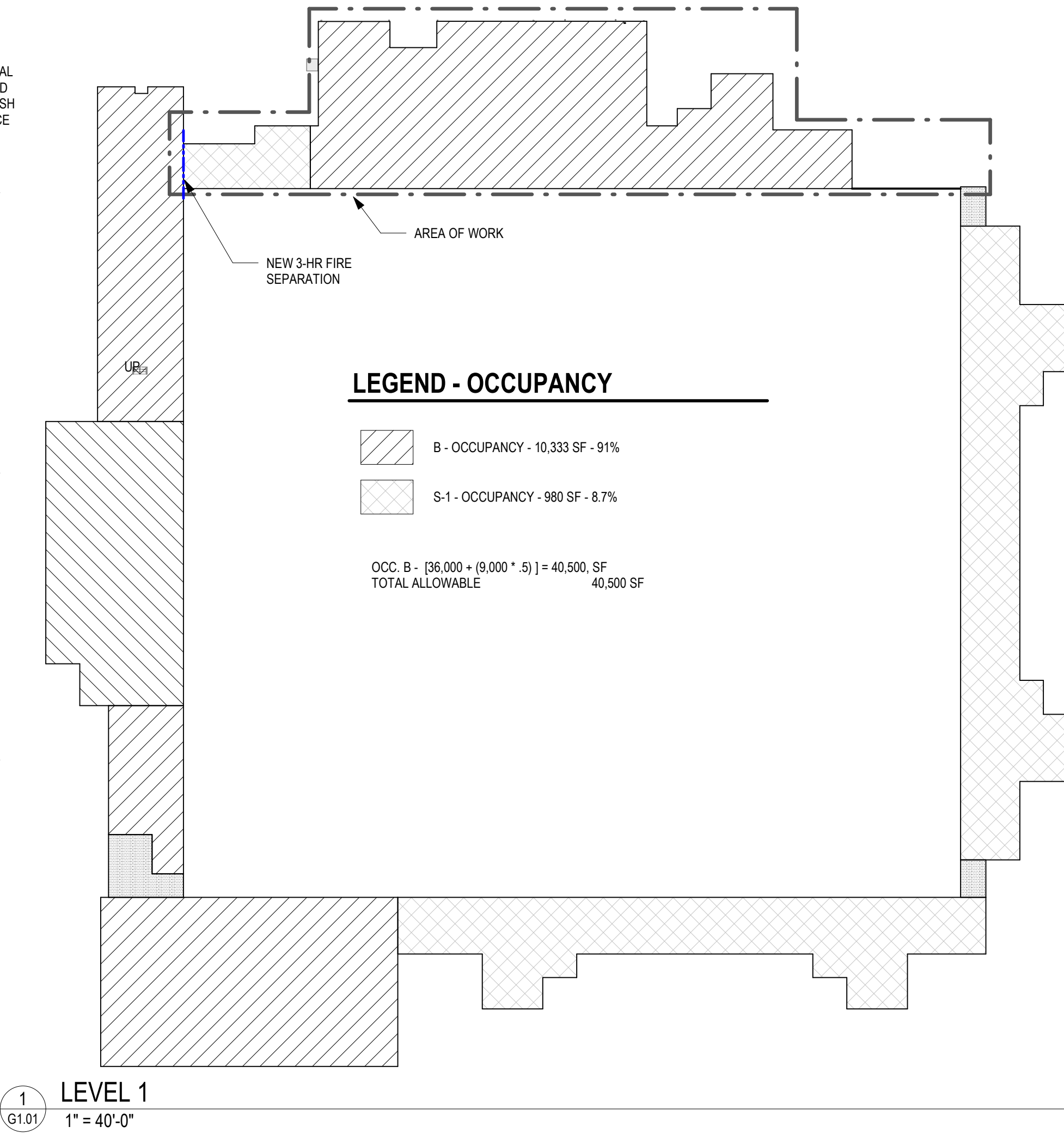




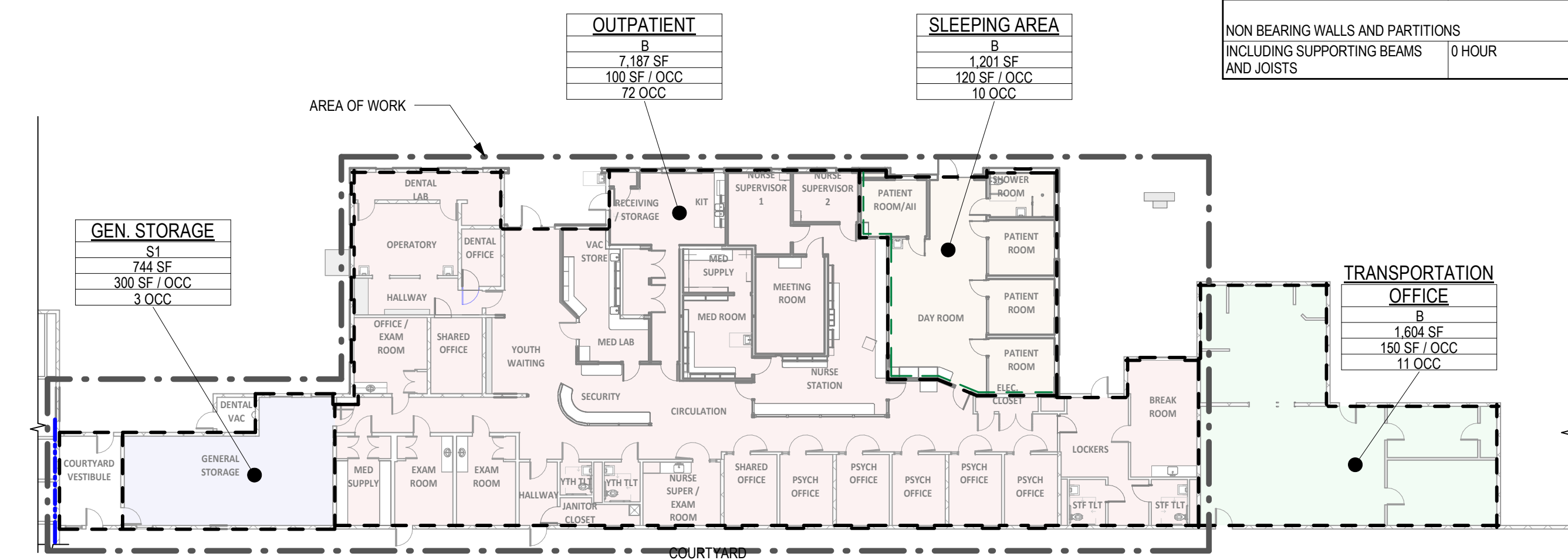
4 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"



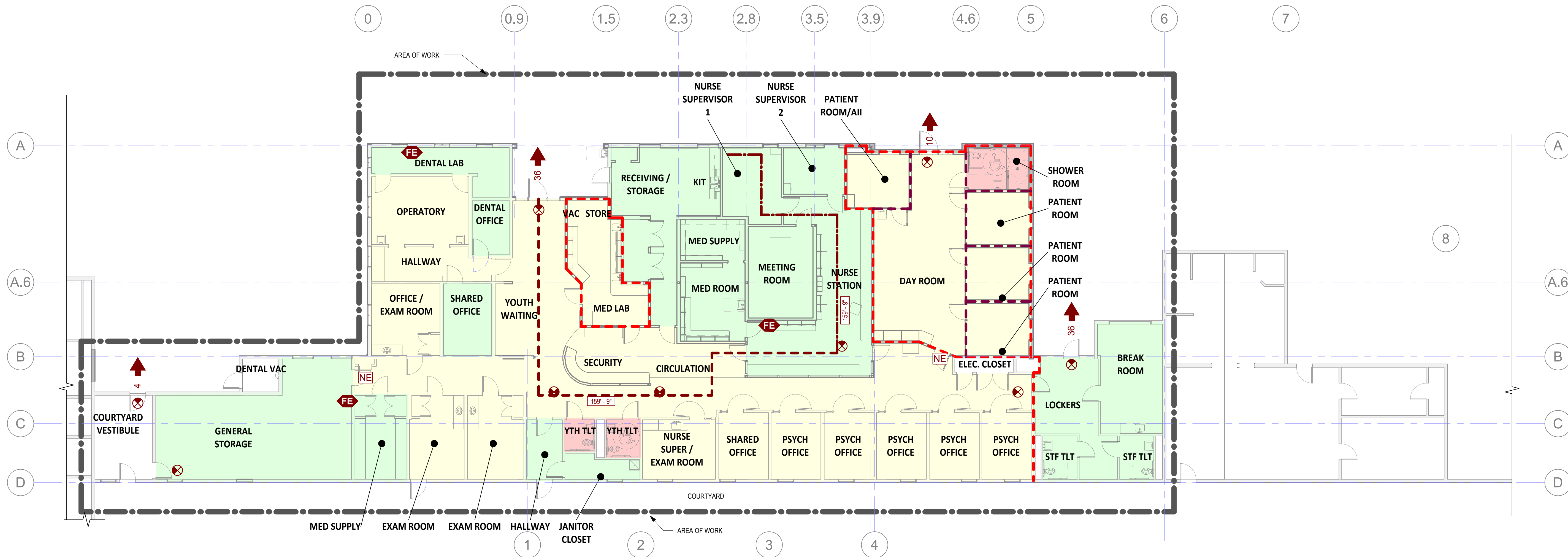
5 STANDARD MOUNTING HEIGHTS
1/2" = 1'-0"



1 LEVEL 1
1" = 40'-0"



3 LEVEL 1 - PROJECT OCCUPANCY
1" = 20'-0"



2 LEVEL 1 - FLS & RISK ASSESSMENT
1" = 10'-0"

CODE SUMMARY

PROJECT NAME:	MacLaren Infirmary & Pharmacy Renovation
ADDRESS:	2630 N PACIFIC HWY, WOODBURN, OR 97071
OWNER:	OREGON YOUTH AUTHORITY
CODES:	2022 OSBC NFPA 101-CHAPTER 38
OCCUPANCY:	B
OCCUPANCY:	UNIT HOUSE A MAXIMUM OF 4 DETAINEES FOR MEDICAL OBSERVATION ONLY FOR LESS THAN 48 HRS.
NUMBER OF STORIES:	ONE
CONSTRUCTION TYPE:	V-B
FIRE PROTECTION:	FULLY SPRINKLERED
FIRE ALARM SYSTEM:	YES
ALLOWABLE SQUARE FOOTAGE:	(TABLE 506.2)
TOTAL AREA OF NEW BUILDING:	11,083 SF
TOTAL AREA ALLOWED:	40,500 SF
INFIRMARY SQUARE FOOTAGE:	9,052 SF
RENOVATION SQUARE FOOTAGE:	2,985 SF
ADDITION SQUARE FOOTAGE:	1,865 SF
FIRE SEPARATION DISTANCE: (602)	≥30'-0"
MAXIMUM AREA OF EXTERIOR WALL OPENINGS (705.8):	≥30'-0" UNPROTECTED, SPRINKLERED UNLIMITED
OCCUPANT LOAD: (1004.5)	1/120 SF, SLEEPING AREAS 1/100 SF, OUTPATIENT AREAS 1/300 SF, STORAGE AREAS
MAX. COMMON PATH OF TRAVEL (1006.2.1):	75 FT
MAX. TRAVEL DISTANCE (1017.2.1):	200 FT

FIRE RESISTIVE RATINGS: (TABLE NO. 601, 705.5 OF THE I.B.C.)	
BUILDING ELEMENT (>10' SEPARATION)	TYPE V-B
STRUCTURAL FRAME	0 HOUR
BEARING WALLS	
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NON BEARING WALLS AND PARTITIONS	
EXTERIOR	1 HOUR, IF <30' FIRE SEPARATION DISTANCE 0 HOUR, IF ≥30' FIRE SEPARATION DISTANCE
INTERIOR	0 HOUR
FLOOR CONSTRUCTION	
INCLUDING SUPPORTING BEAMS AND JOISTS	0 HOUR
NON BEARING WALLS AND PARTITIONS INCLUDING SUPPORTING BEAMS AND JOISTS	0 HOUR

GENERAL NOTES: FIRE & LIFE SAFETY

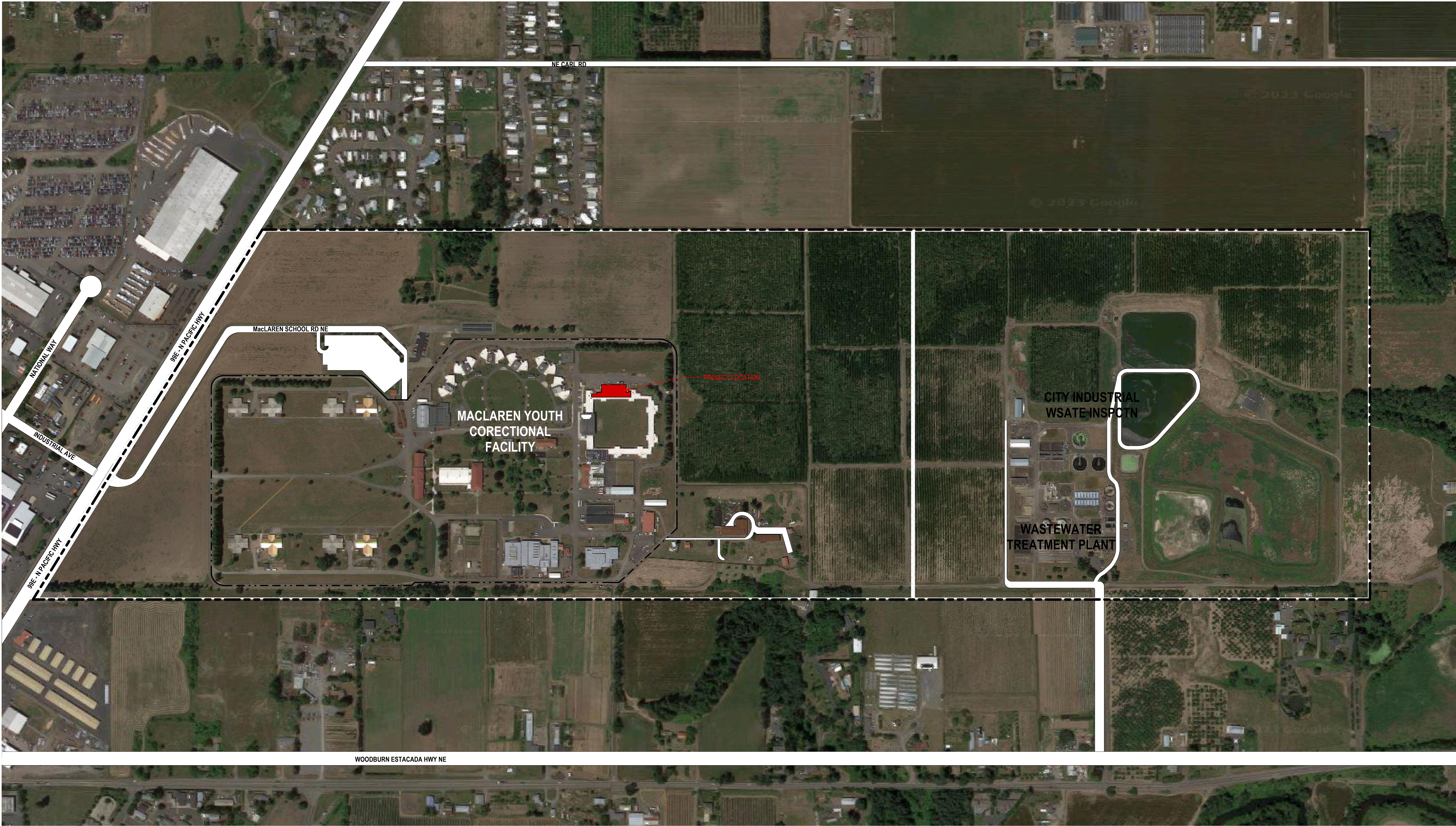
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL TRADES ARE THOROUGHLY FAMILIAR AND COMPLY WITH THE REQUIREMENTS LISTED IN THE "FIRE AND LIFE SAFETY STANDARDS" (FLSS).
- ALL RATED ASSEMBLIES SHALL BE CONSTRUCTED TO PREVENT THE MOVEMENT OF FLAME OR GASES PER CODE.
- INSTALL RATED ENCLOSURES FOR ALL RECESSED ITEMS IN RATED WALLS PER CODE. SEE ARCHITECTURAL DETAILS.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES IN AREA OF WORK SHALL BE FIREFIGHTED OR SEALED PER CODE.
- THE CONTRACTOR SHALL FIELD VERIFY THE CONDITION OF THE EXISTING FLSS SYSTEMS IN THE AREAS OF WORK THAT MAY REQUIRE UPDATING. AREAS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:
A. CONTRACTOR TO VERIFY THAT ALL EXISTING PENETRATIONS OF RATED ASSEMBLIES WHICH ARE EXPOSED TO VIEW DURING CONSTRUCTION ARE COMPLIANT WITH CODE REQUIREMENTS.
B. CONTRACTOR TO EXTEND ANY EXISTING WALL (WITHIN THE AREA OF WORK) TO STRUCTURE WHICH IS REQUIRED BY FLSS BUT DOES NOT PRESENTLY EXIST.
C. CONTRACTOR TO VERIFY THAT ALL DUCTWORK PENETRATIONS THROUGH RATED ASSEMBLIES ARE EQUIPPED WITH FIRE AND/OR SMOKE DAMPERS AS REQUIRED BY CODE.
D. VERIFY THAT THE FIRE ALARM, EMERGENCY LIGHTING, AND EMERGENCY POWER IN THE AREA OF WORK CONFORMS TO THE FLSS ELECTRICAL STANDARDS SECTION FOR THE OCCUPANCY TYPE INDICATED ON THE FLS PLANS.
6. REFER ELECTRICAL FOR EXIT SIGN LOCATIONS.
7. ALL EMERGENCY EXIST HARDWARE ARE DELAYED EGRESS.

PLUMBING CALCULATIONS

CALCULATION FACTORS	
PROJECT OCCUPANTS FOR CALC:	85 OCCUPANTS
PROJECT CLASSIFICATION FOR CALC:	B CLASSIFICATION
WATER CLOSETS	
REQUIRED COUNT	1 PER 25 FOR FIRST 50, 1 PER 50 AFTER THAT
REQUIRED IN PROJECT	3 WATER CLOSETS
INCLUDED IN PROJECT	5 WATER CLOSETS
LAVATORY	
REQUIRED COUNT	1 PER 40 FOR FIRST 80, 1 PER 80-AFTER THAT 0 HOUR, IF ≥30' FIRE SEPARATION DISTANCE
REQUIRED IN PROJECT	2 LAVATORIES
INCLUDED IN PROJECT	5 LAVATORIES
SHOWERS/BATHTUBS	
INCLUDED IN PROJECT	1 SHOWER STALL
REQUIRED COUNT	0 SHOWER/BATHTUB
DRINKING FOUNTAINS	
INCLUDED IN PROJECT	0 DRINKING FOUNTAIN
REQUIRED COUNT	0 DRINKING FOUNTAIN

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1
G1.02
ENLARGED ENTRY PLAN
1" = 200'-0"



**MacLaren Infirmary & Pharmacy
Renovation**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071

ISSUE DATE: 06.27.2025
REVISIONS:
1 County Comments 08/19/2025

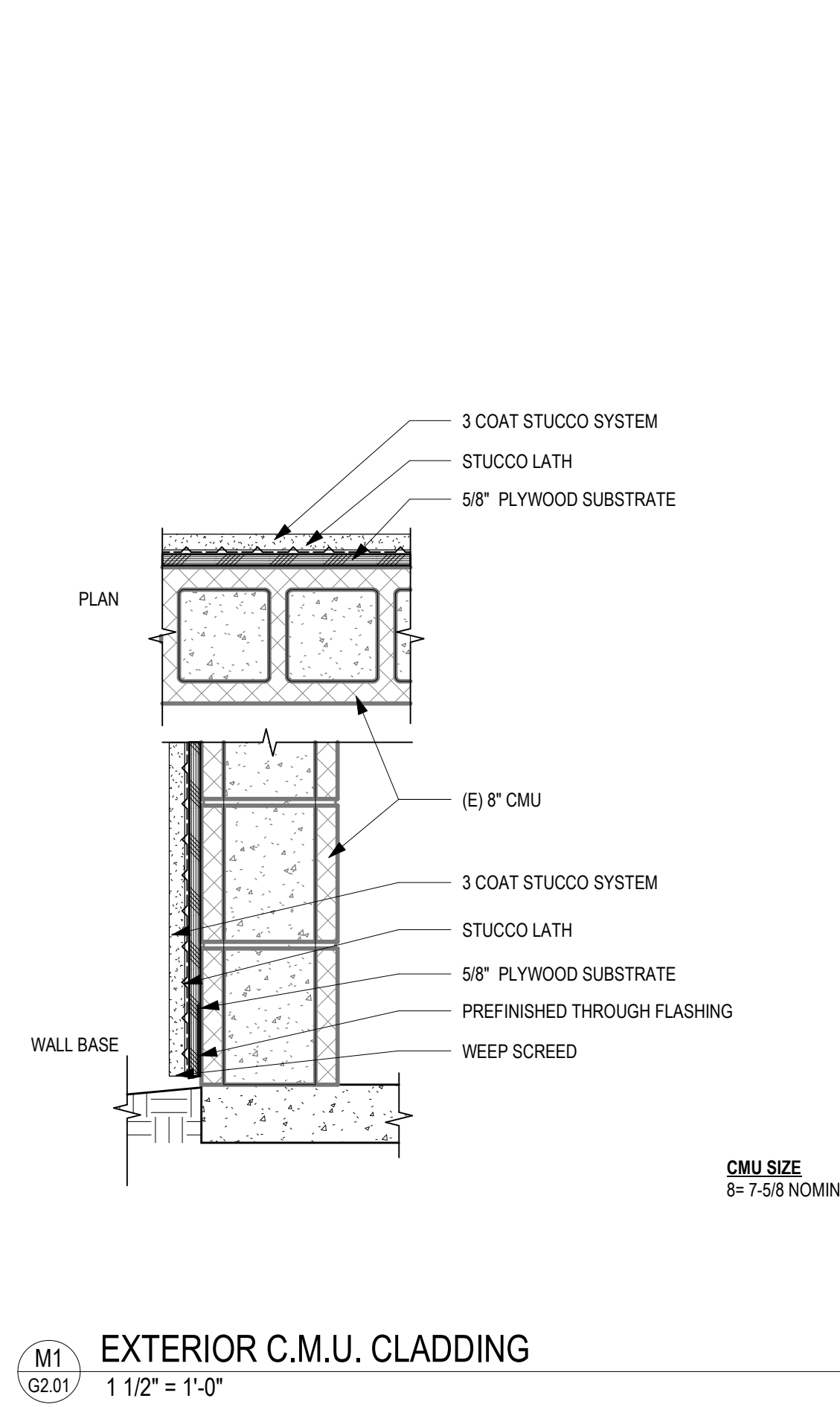
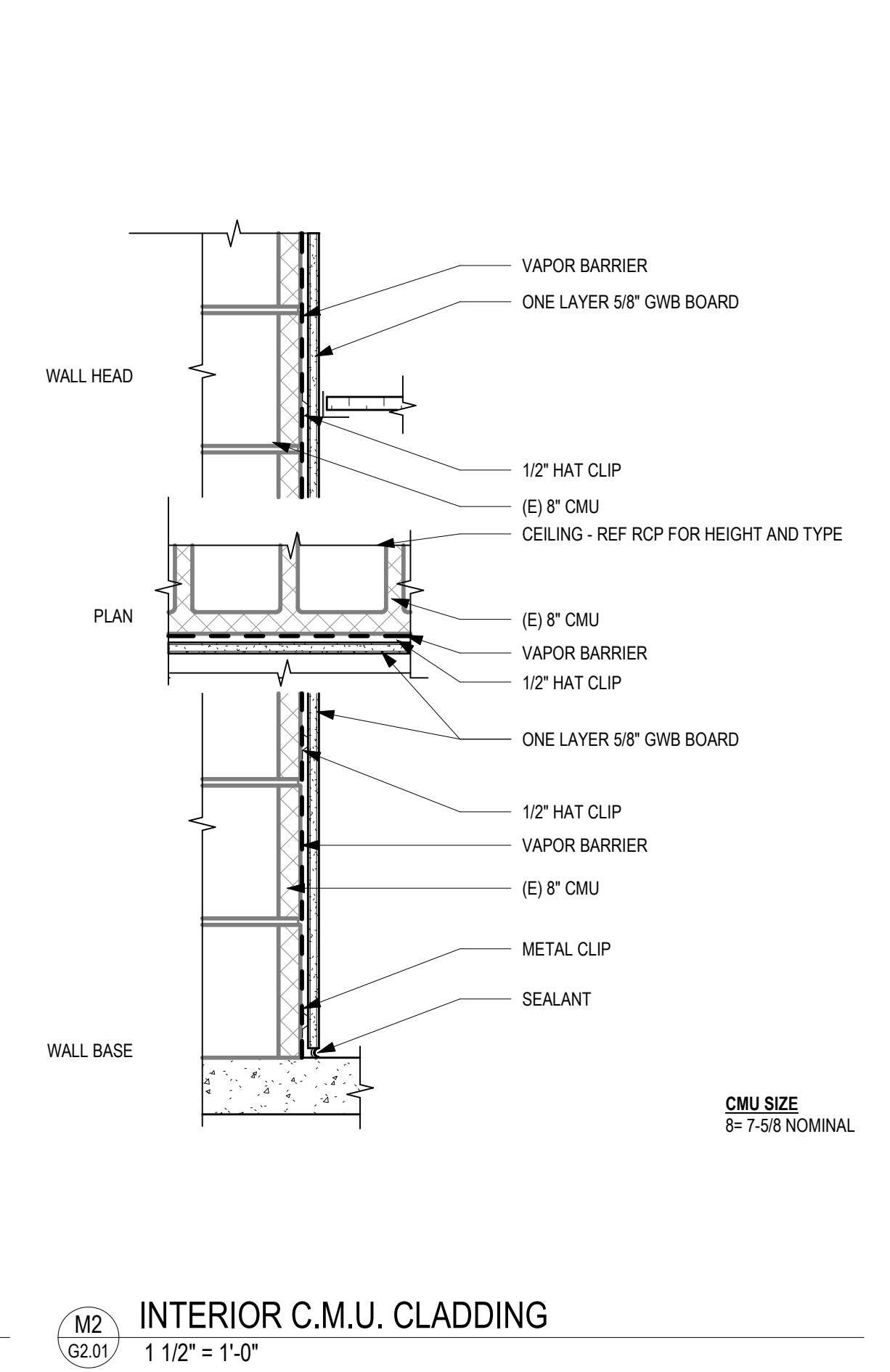
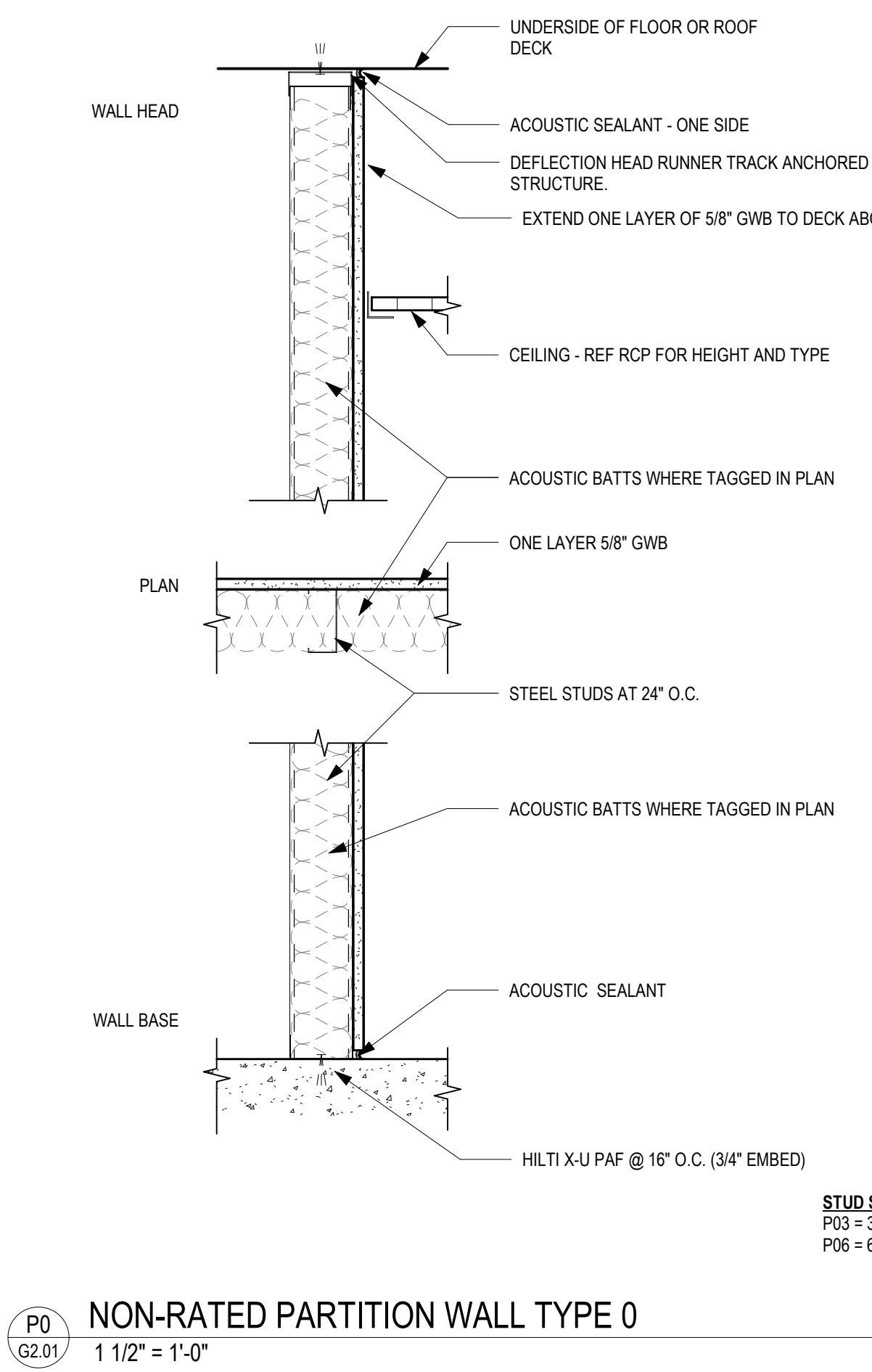
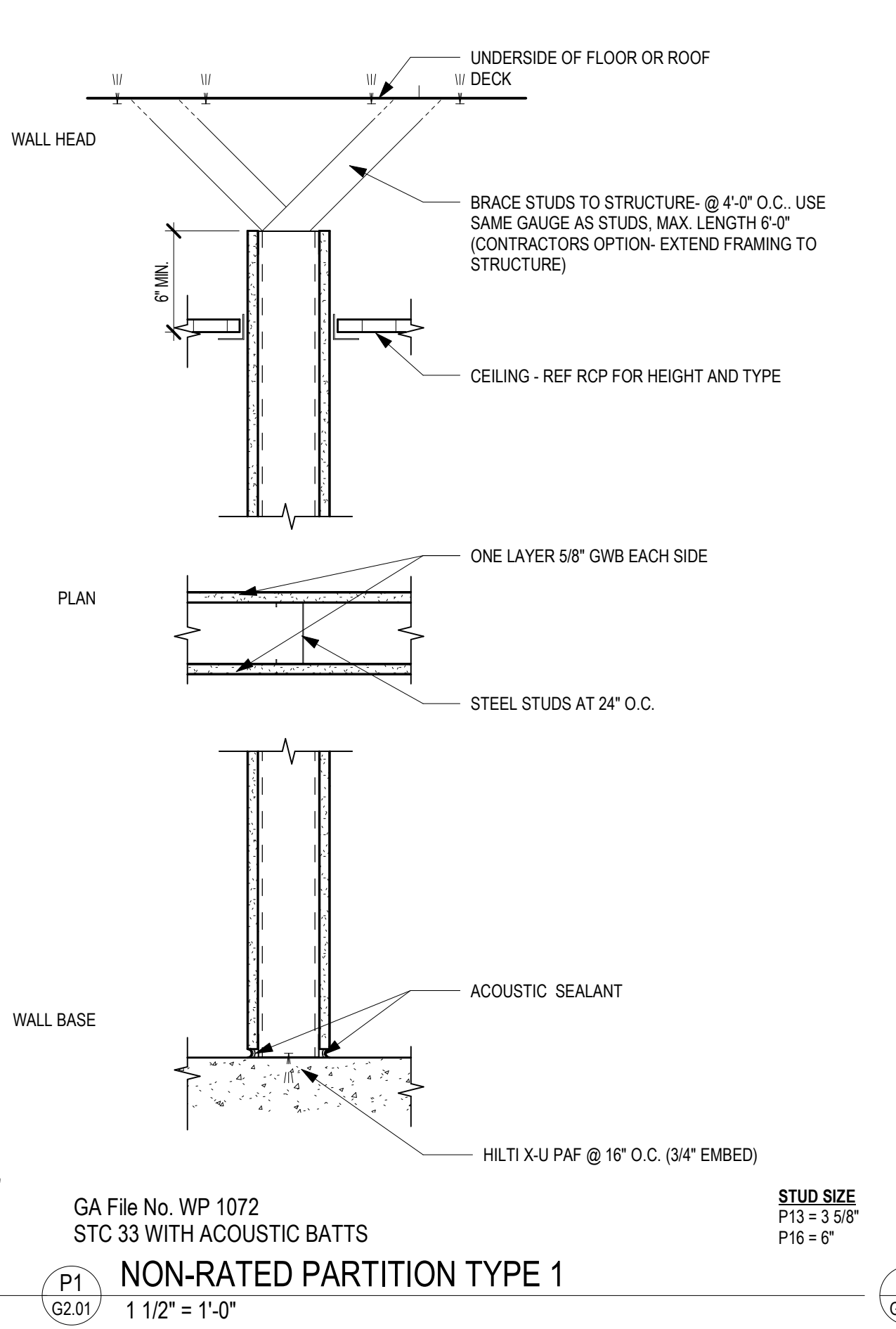
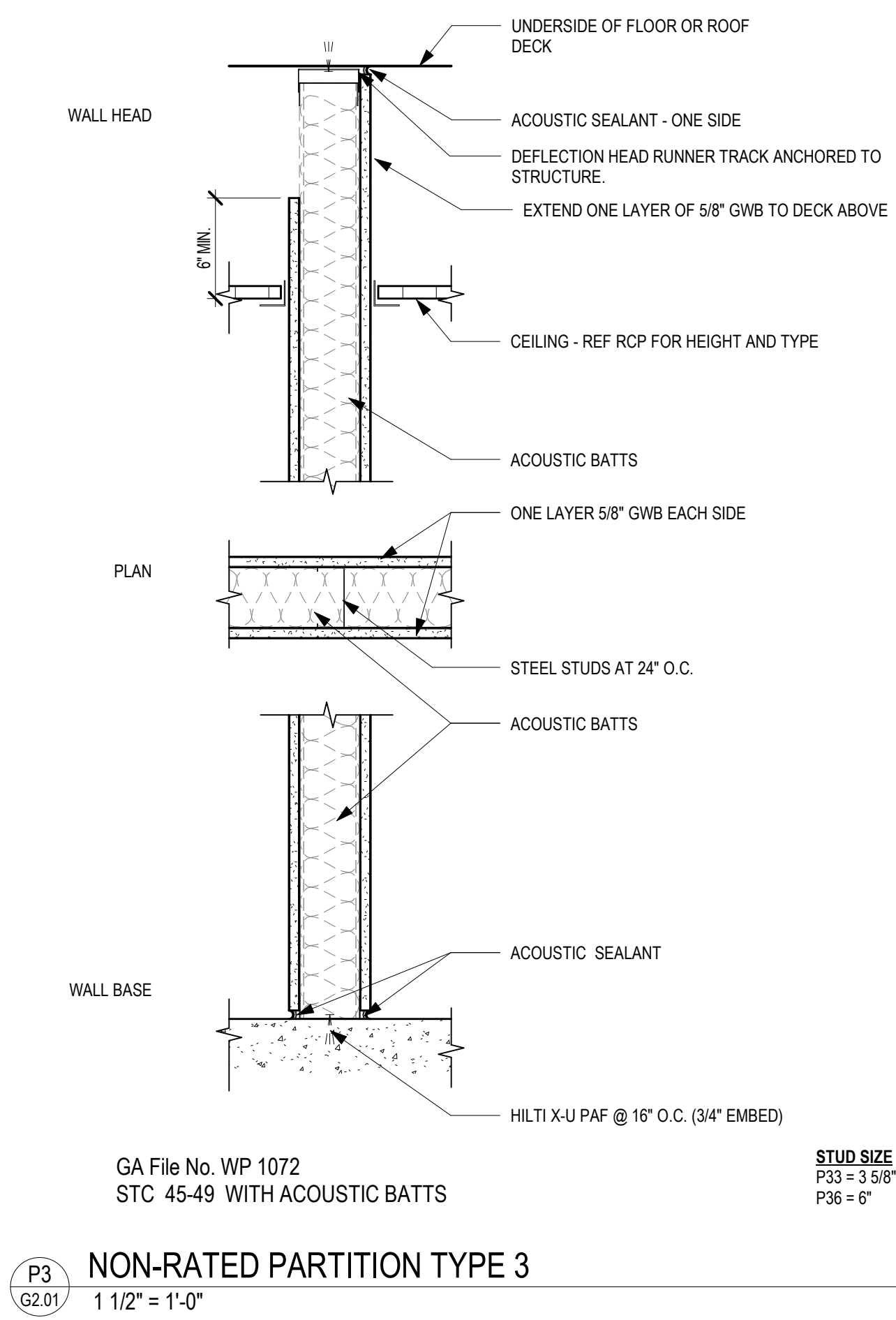
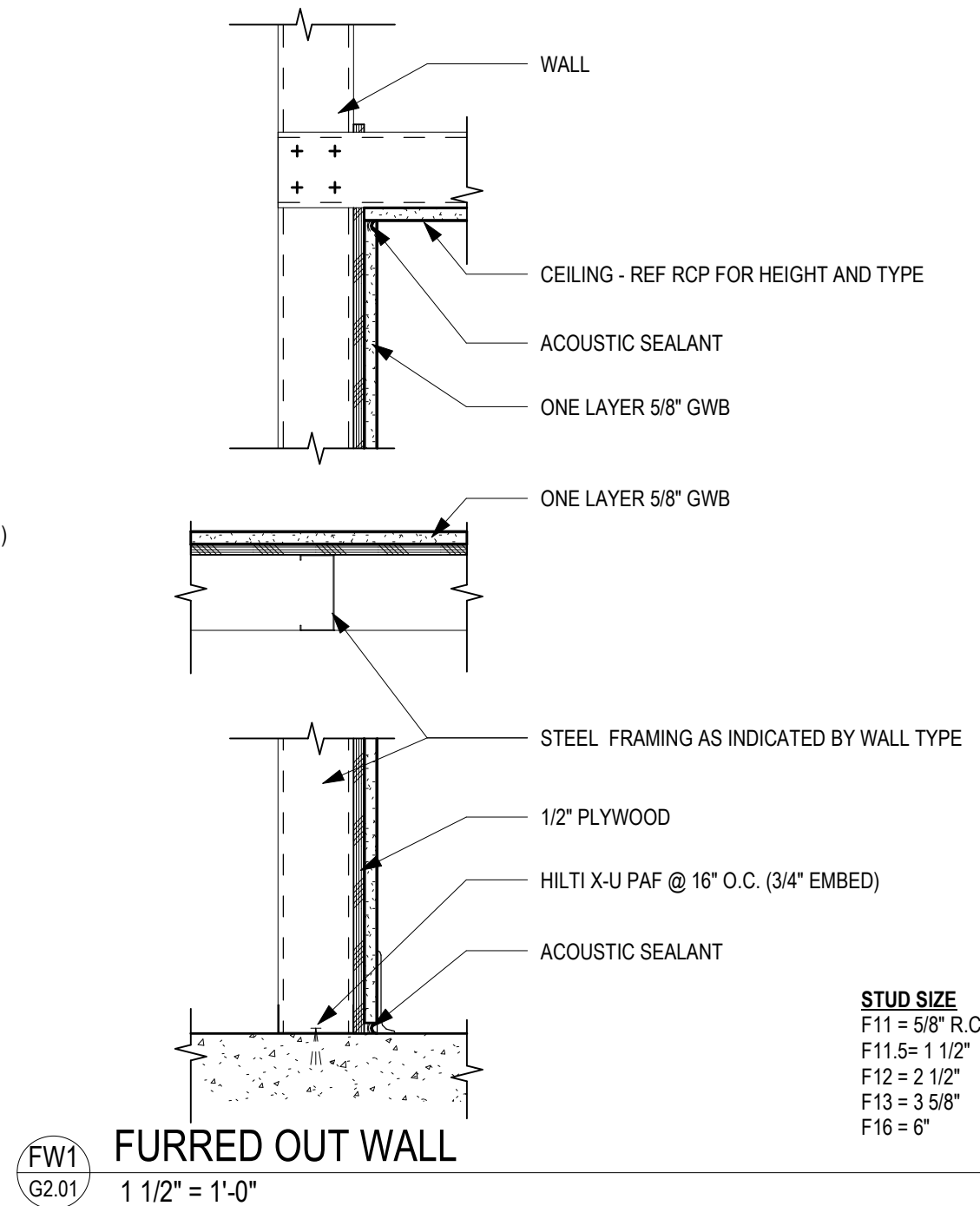
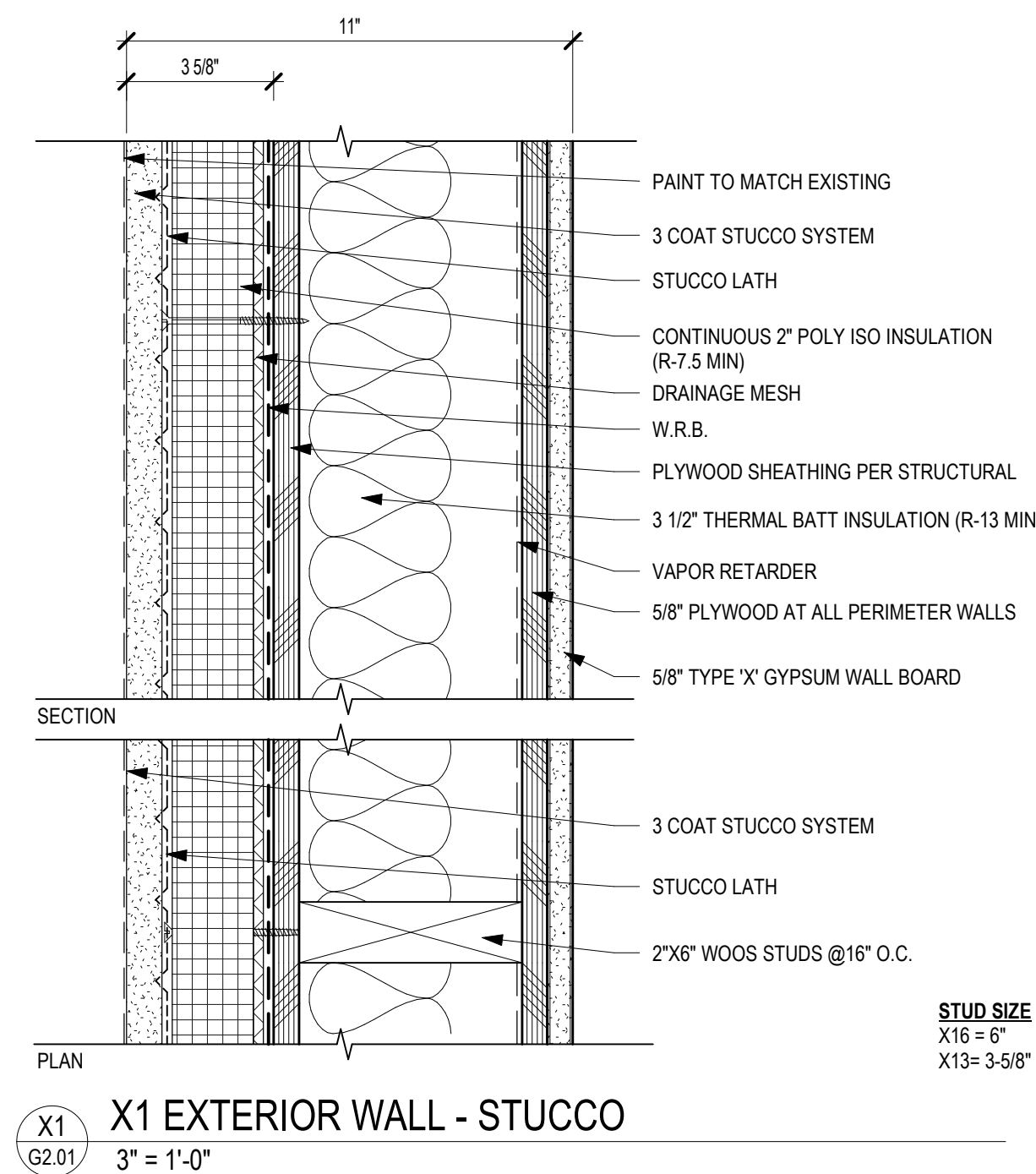
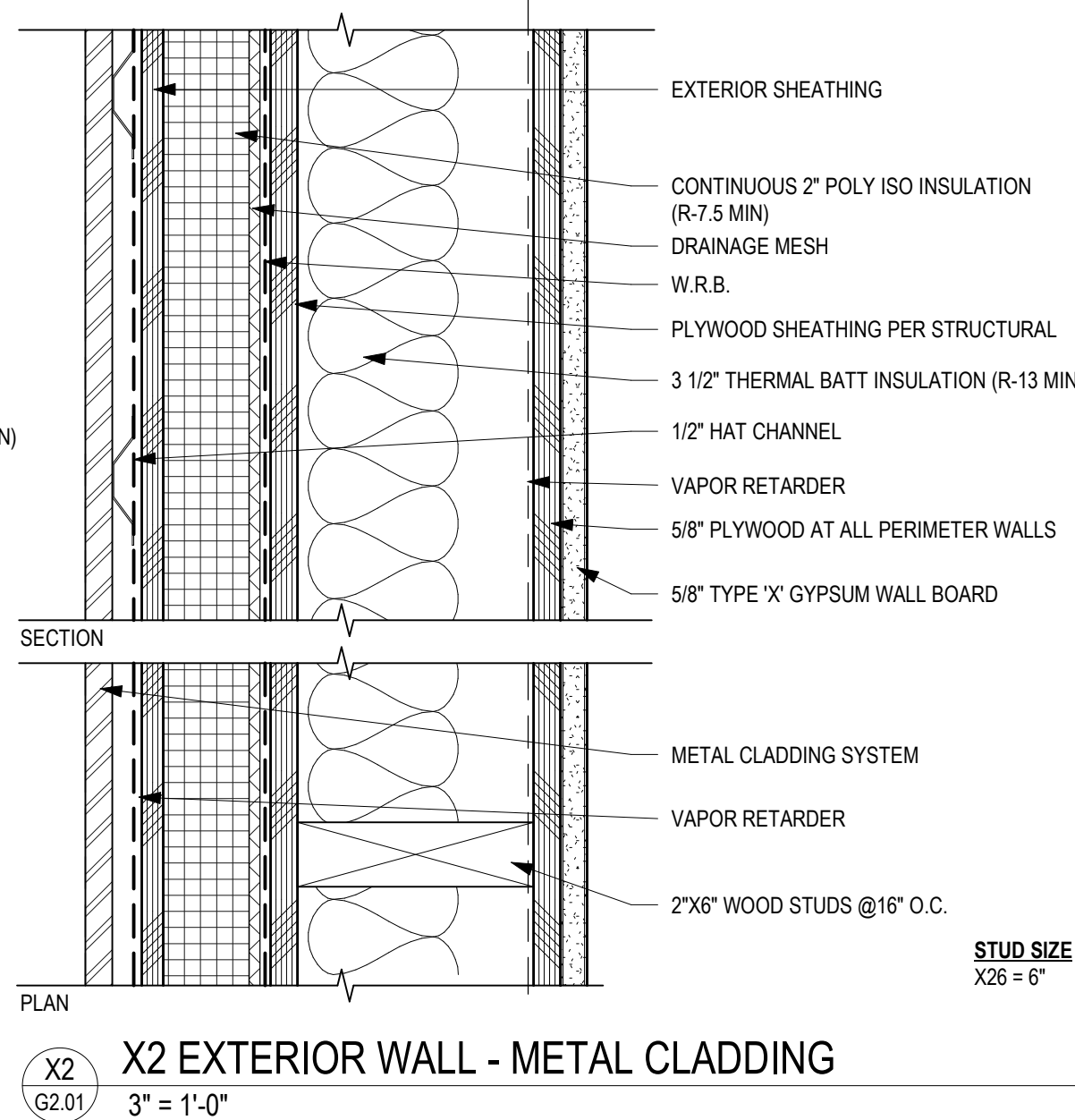
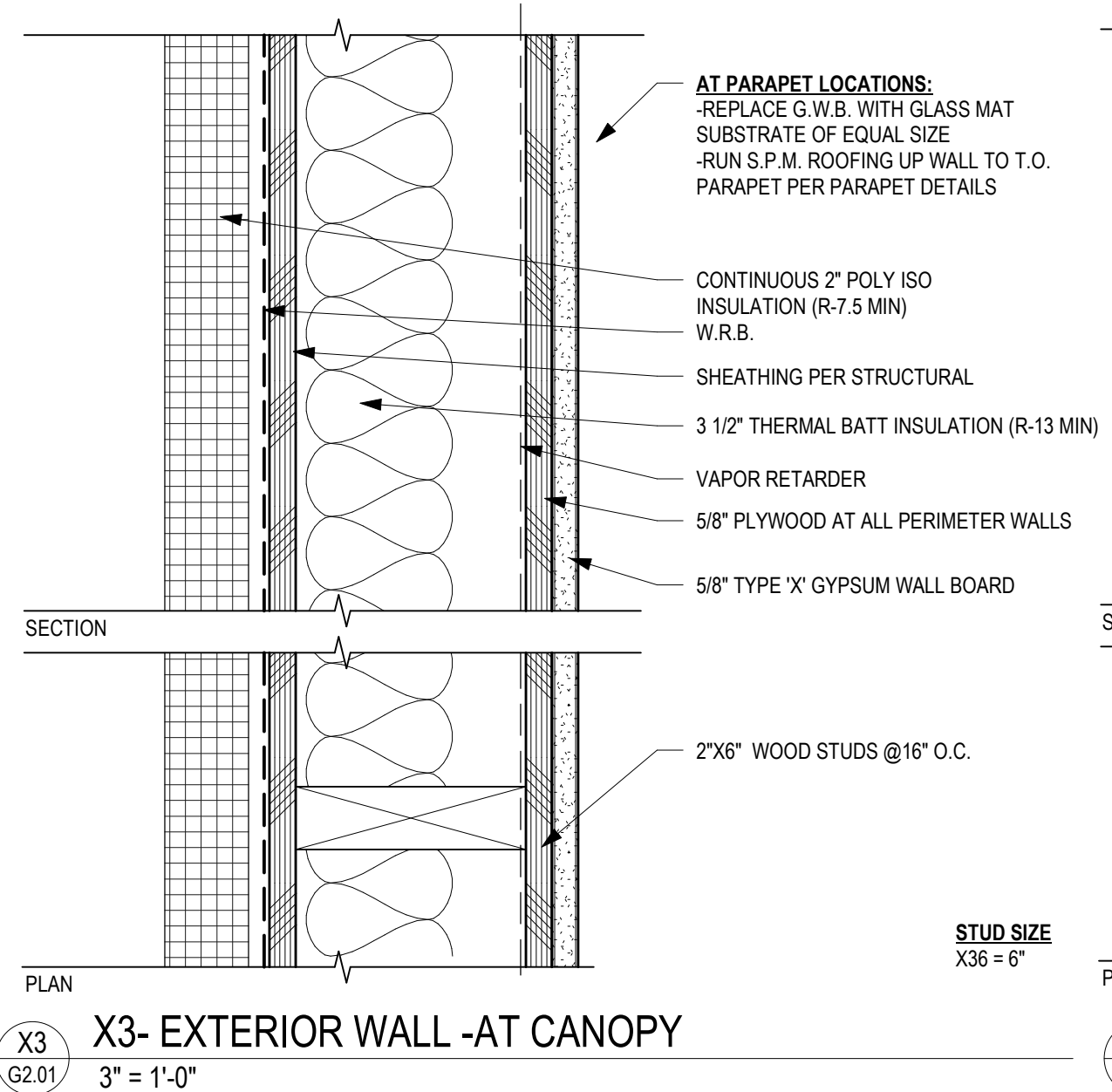
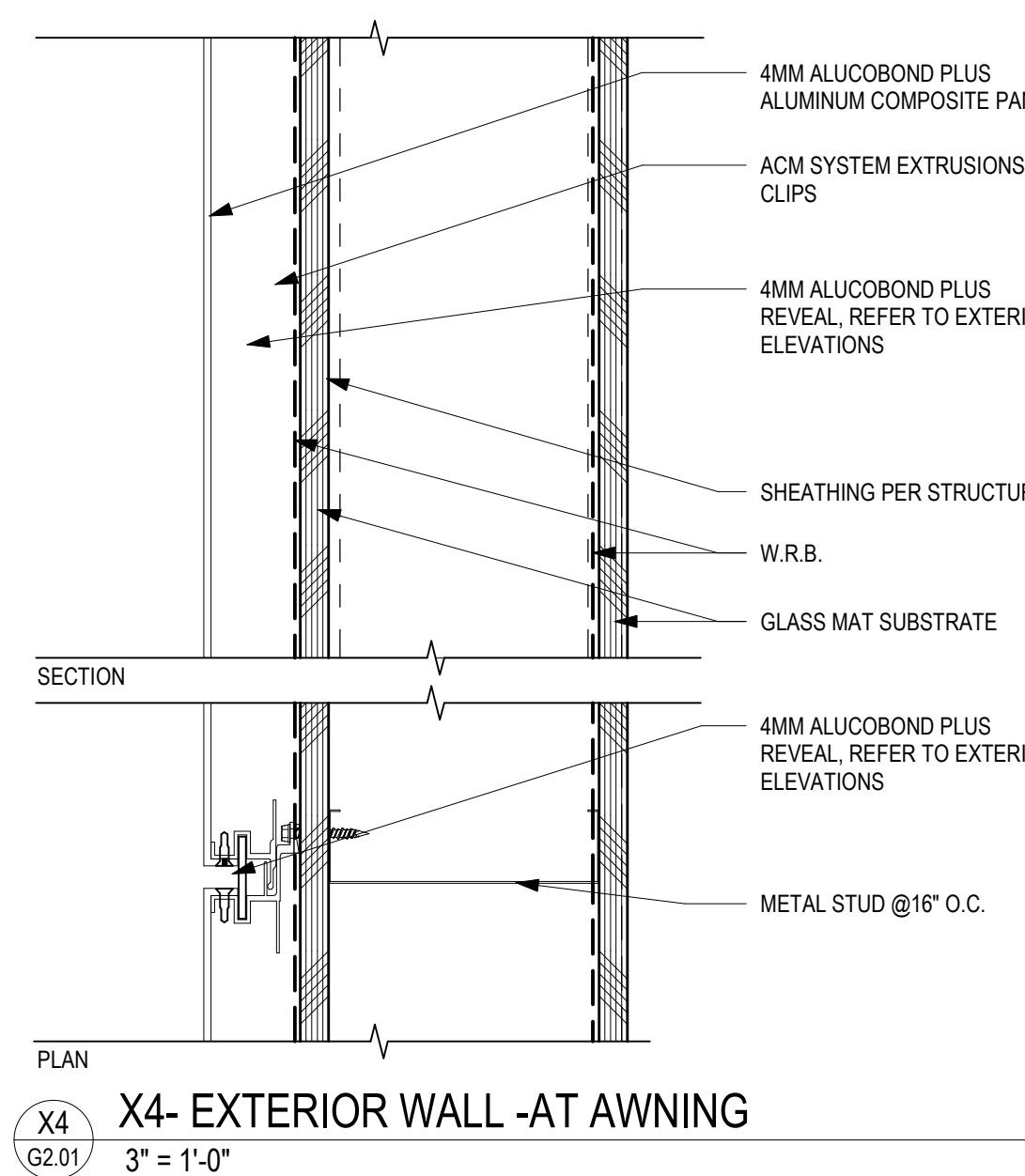
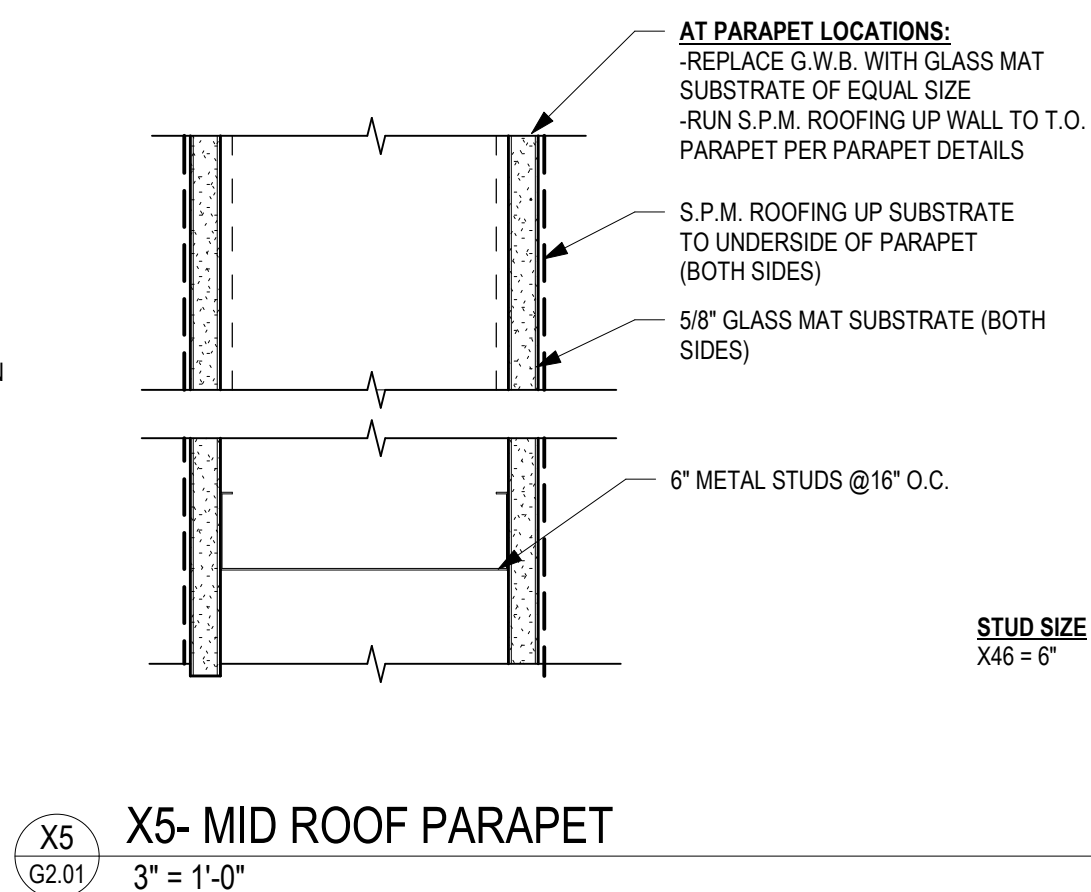
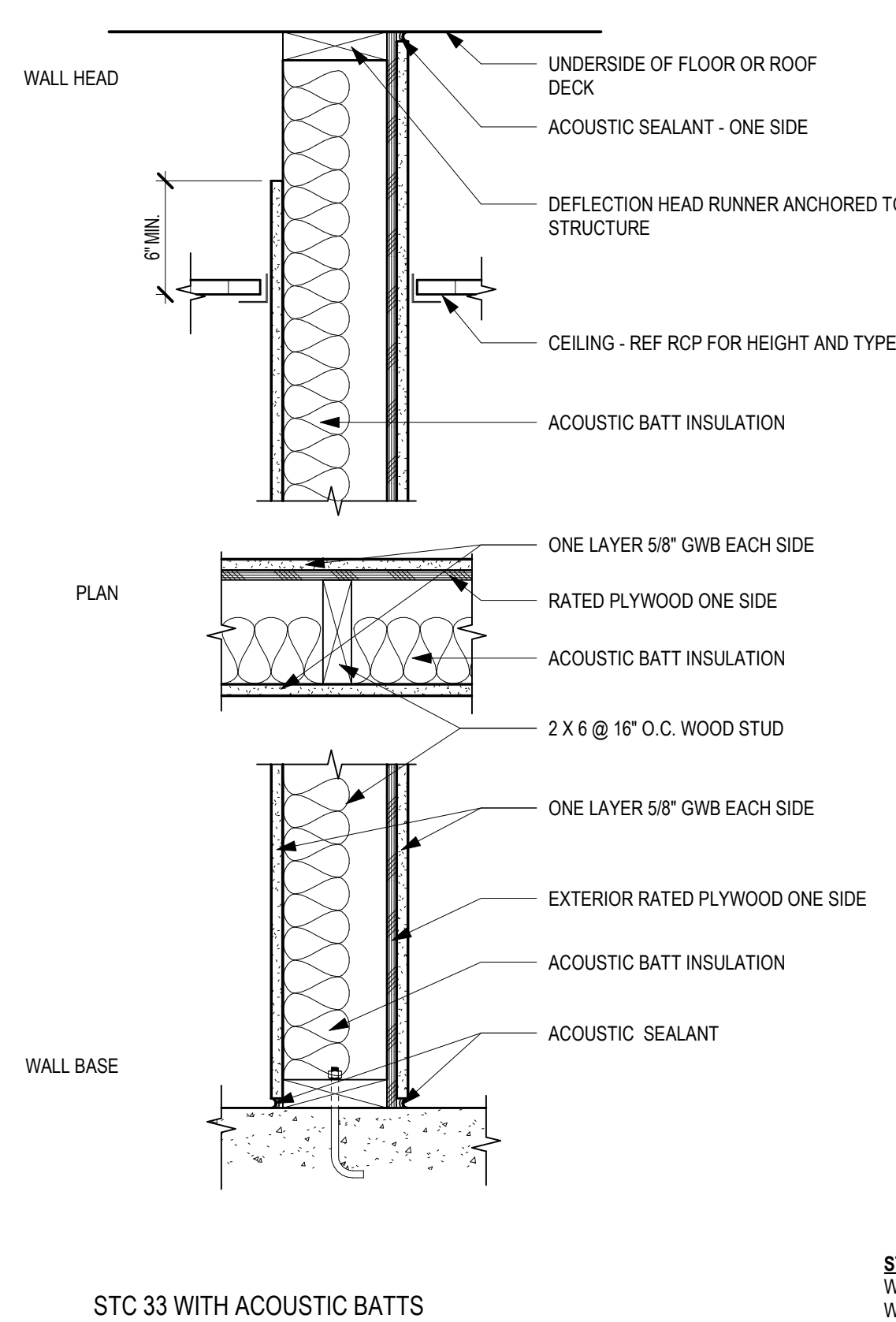
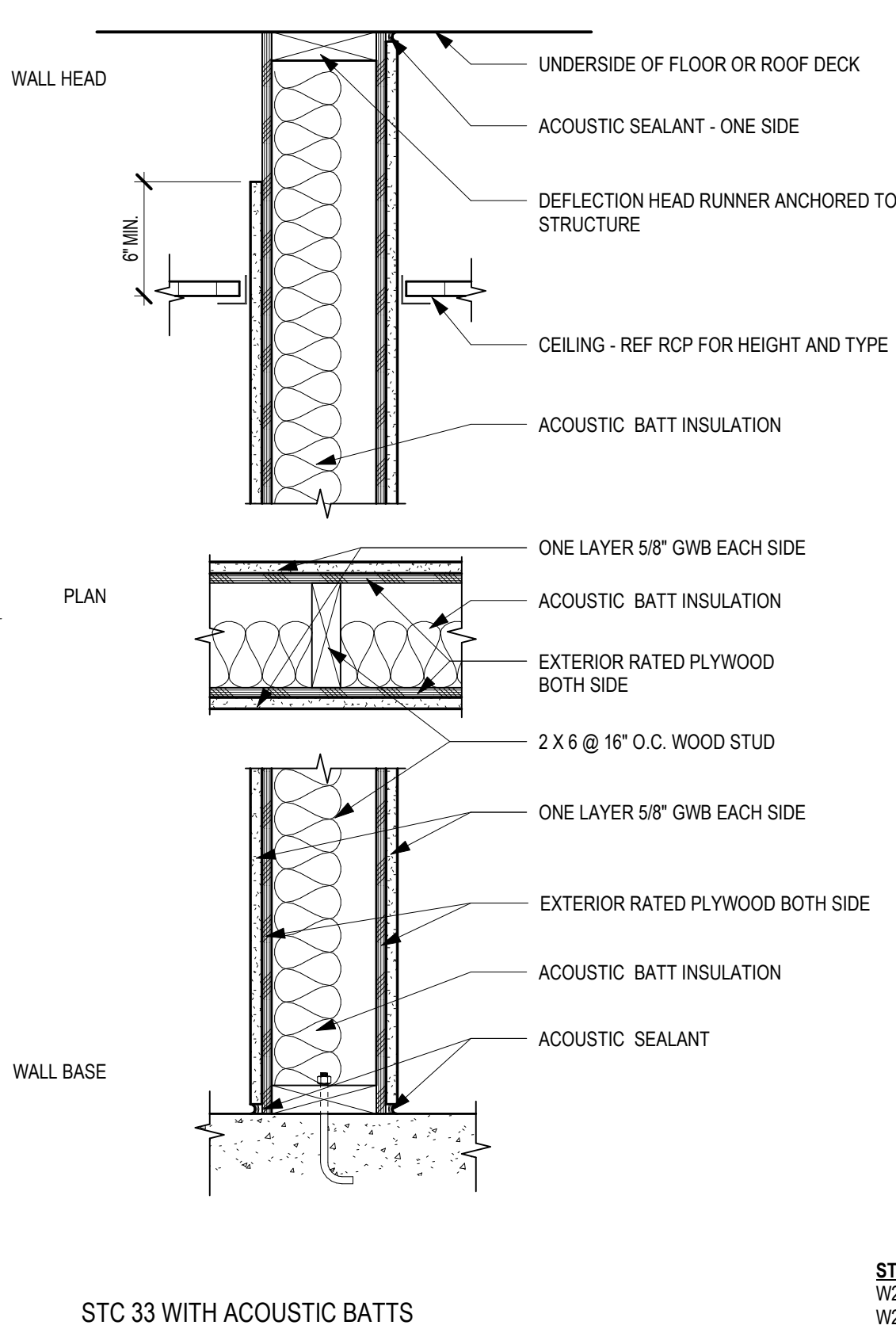
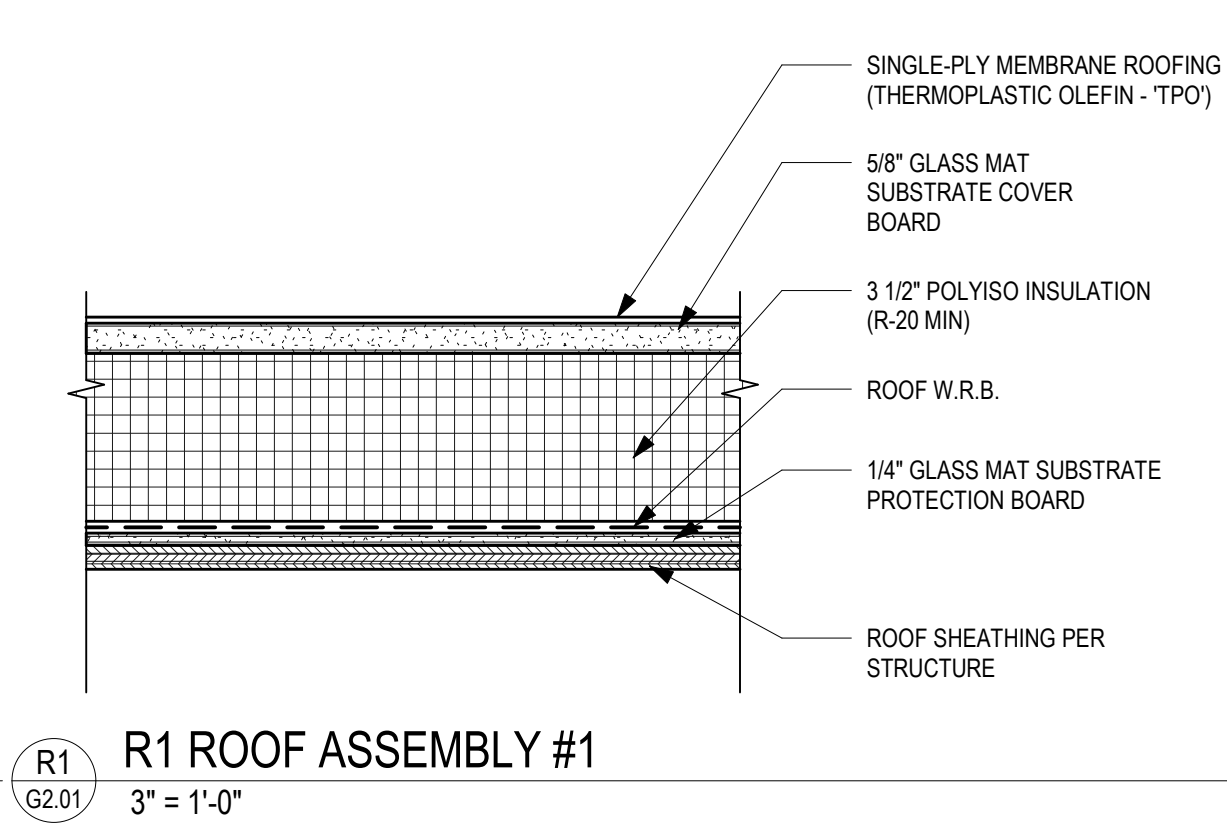
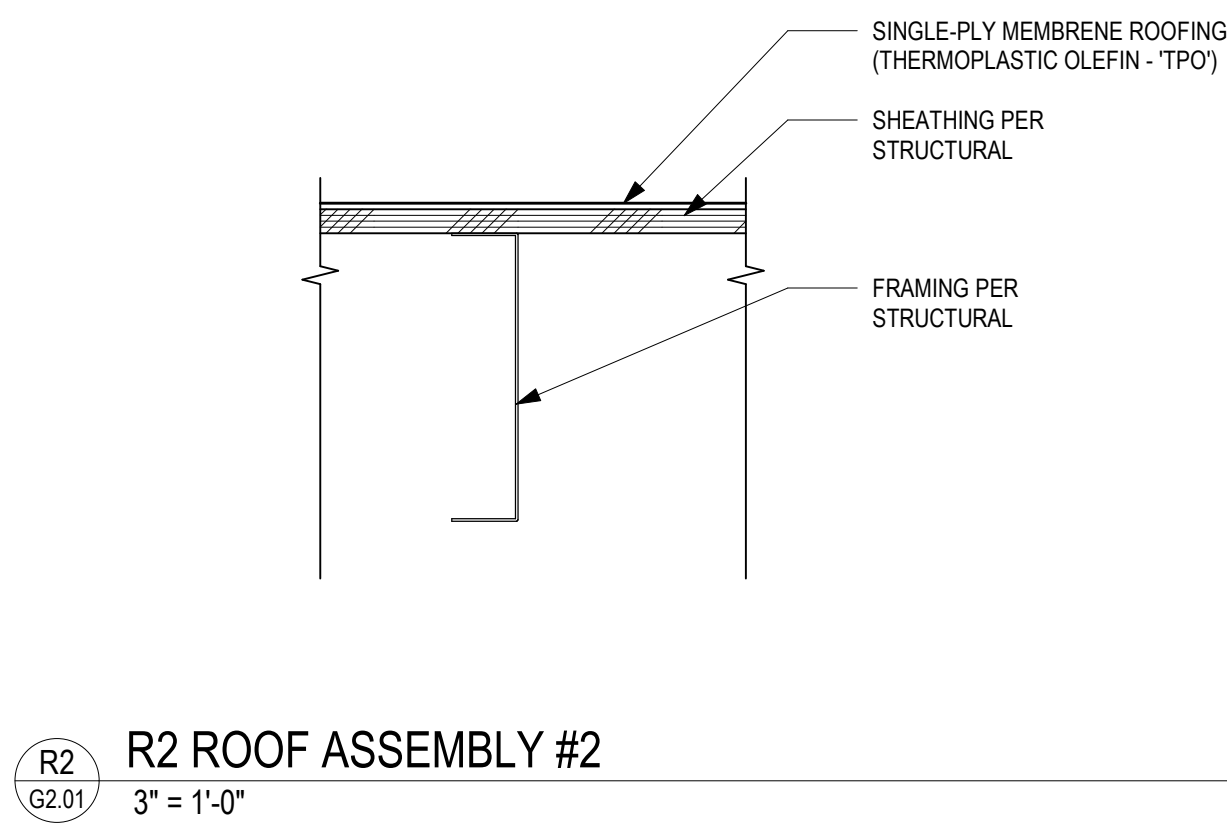
SITE PLAN

G1.02

PROJECT NO.: 25015



CLARK K JOSS
ARCHITECTS, LLC
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503.224.4848



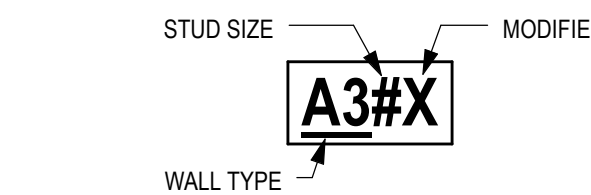
PROJECT TYPE NOTES

- A. NO SUBSTITUTIONS ARE ALLOWED FOR ANY WALL ASSEMBLY UNLESS SPECIFICALLY ALLOWED BY GYPSUM ASSEMBLY, LLC. INTERTEK, OR OTHER AIA-APPROVED TESTING AGENCY AND WITH WRITTEN APPROVAL BY THE ARCHITECT.
- B. PARTITION TYPE INDICATIONS ARE INDEPENDENT FROM APPLIED FINISHES. REFER TO FINISH SCHEDULE AND / OR THE DESIGNATIONS ON THE PLAN FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
- C. PARTITION CONSTRUCTION ABOVE AND BELOW INTERRUPTIONS (DOORS, WINDOWS, ETC.) SHALL MATCH THE ASSEMBLY AND PLANE OF THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
- D. THE MINIMUM REQUIREMENTS FOR PARTITIONS ARE AS INDICATED. ADDITIONAL AND / OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED ELSEWHERE. SUCH REQUIREMENTS MAY INCLUDE BUT ARE NOT LIMITED TO:
1. STUD SPACING: USE 24" O.C. MAX STUD SPACING, U.N.O. BY REFERENCED APPROVAL OR TEST REPORT
 2. WHERE COLD-FORMED METAL FRAMING IS USED, USE STUD GAUGE INDICATED IN THE GENERAL FRAMING NOTES OR PER STRUCTURAL. THE GAUGE STATED BY REFERENCED ASSEMBLY OR TEST REPORT SHALL ALWAYS BE MINIMUM GAUGE.
 3. USE STANDARDS OF DEPTH INDICATED BY DRAWINGS. DEPTH STATED BY REFERENCED APPROVAL OR TEST REPORT IS MINIMUM DEPTH.
 4. INSTALL CEMENTITIOUS BACKER BOARD OR WATER-RESISTANT GYP. BD. AT THE FOLLOWING LOCATIONS:
 1. ALL WALL ENCLOSURES ADJACENT TO JANITOR MOP SINKS.
 2. AT WET LOCATIONS, SUCH AS SHOWER STALLS WITH A SURROUND.
 3. WHERE CERAMIC TILE FINISHES ARE INDICATED. (REF. FINISH SCHEDULE, PLANS, AND / OR INTERIOR ELEVATIONS.)
 5. AT OTHER LOCATIONS, AS INDICATED BY THE SPECIFICATIONS OR PER FINISH SCHEDULE.
 6. PROVIDE SOUND ATTENUATING INSULATION TO THE FULL HEIGHT OF WALL AT ALL TOILET ROOM WALLS AND SLEEPING AREAS ADJACENT TO ANY TYPE OF SHAFT OR ANOTHER SLEEPING AREA.
 7. ALL PENETRATIONS IN S.T.C. RATED ASSEMBLIES (PIPING, ELECTRICAL DEVICES, RECESSED ITEMS, MECHANICAL ITEMS ETC.) SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE S.T.C. RATING.
 8. S.T.C. RATED PARTITIONS SHALL NOT HAVE WALL PENETRATIONS LOCATED BACK TO BACK OR IN THE SAME STUD CAVITY.
 9. REFERENCE DETAILS FOR BACKING PLATE, WALL INTERSECTION, AND HEAD CONDITIONS.
 10. AT RATED WALLS ABOVE CEILING, PROVIDE STENCILED LETTERING IN CONTRASTING COLORS, MIN. 3" TALL WITH MIN. 3/8" STROKE, TO READ "FIRE AND / OR SMOKE BARRIER. PROTECT ALL OPENINGS" OR EQUIVALENT. REFERENCE I.B.C. SECTION 703.7.

GENERAL NOTES: STEEL FRAMING

1. ALL ASSEMBLIES ARE FULL HEIGHT, U.N.O.
2. ALL NON-LOADBEARING METAL WALL FRAMING SHALL BE 20ga (23Mils) OR 25ga STUDS, U.N.O.
3. PROVIDE 20ga METAL STUD WALL FRAMING AT THE FOLLOWING LOCATIONS:
 - A. DOUBLE STUD JAMB ASSEMBLIES AT OPENINGS.
 - B. FIRST STUD IN THE PARTITION BEYOND THE DOUBLE STUD JAMB ASSEMBLY. LOCATE STUD 6" FROM THE DOUBLE STUD ASSEMBLY.
 - C. STUDS INSTALLED FOR OPENING HEADS BETWEEN DOUBLE STUD JAMB ASSEMBLIES.
 - D. STUDS ON WHICH CEMENTITIOUS BACKER BOARD IS INSTALLED FOR WET AREAS.
 - E. STUDS ON WHICH WALL-MOUNTED EQUIPMENT, INCLUDING OWNER-FURNISHED EQUIPMENT, IS TO BE INSTALLED.
 - F. STUD INFILL AND SILL TRACK BELOW WINDOW OPENINGS.
 - G. WALLS THAT EXCEED THE FOLLOWING HEIGHT LIMITATIONS:
 - A. 2-1/2" METAL STUDS: 10' - 0"
 - B. 3-5/8" METAL STUDS: 14' - 0"
 - C. 4" METAL STUDS: 15' - 0"
 - D. 6" - 8" METAL STUDS: 20' - 0"

WALL TAG



MODIFIERS

- A = PROVIDE CONTINUOUS ACOUSTIC BATTS
- B = PROVIDE ABS RESISTANT GWB
- C = PROVIDE 5/8" RESILIENT FURRING CHANNELS OVER FRAMING ON ONE SIDE
- L = PROVIDE LEAD LINED GYPSUM BOARD- EXTEND 7'-0" AFF MIN. SEE PHYSICIST REPORT
- O = REMOVE INTERIOR SIDE G.W.B. FROM ASSEMBLY
- P = PROVIDE 5/8" PLYWOOD SUBSTRATE
- T = PROVIDE CEMENTITIOUS BACKER BOARD AT TILE FINISHES
- S = SHEAR WALL FRAME PER STRUCTURAL
- X = REMOVE INTERIOR SIDE PLYWOOD FROM ASSEMBLY

ASSEMBLIES

- GA WP 1072 (Generic)**
- One layer 5/8" type X gypsum wallboard or gypsum veneer applied parallel or at right angles to each side of 5-5/8" steel studs 24" O.C. with 1" type S drywall screws 8" O.C. at vertical joints and 12" O.C. at floor and ceiling runners and intermediate studs.
- Joints staggered 24" on each side and on opposite sides. Sound tested with 3 1/2" glass fiber friction fit in stud space.



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PARTITION, WALL AND ROOF ASSEMBLIES

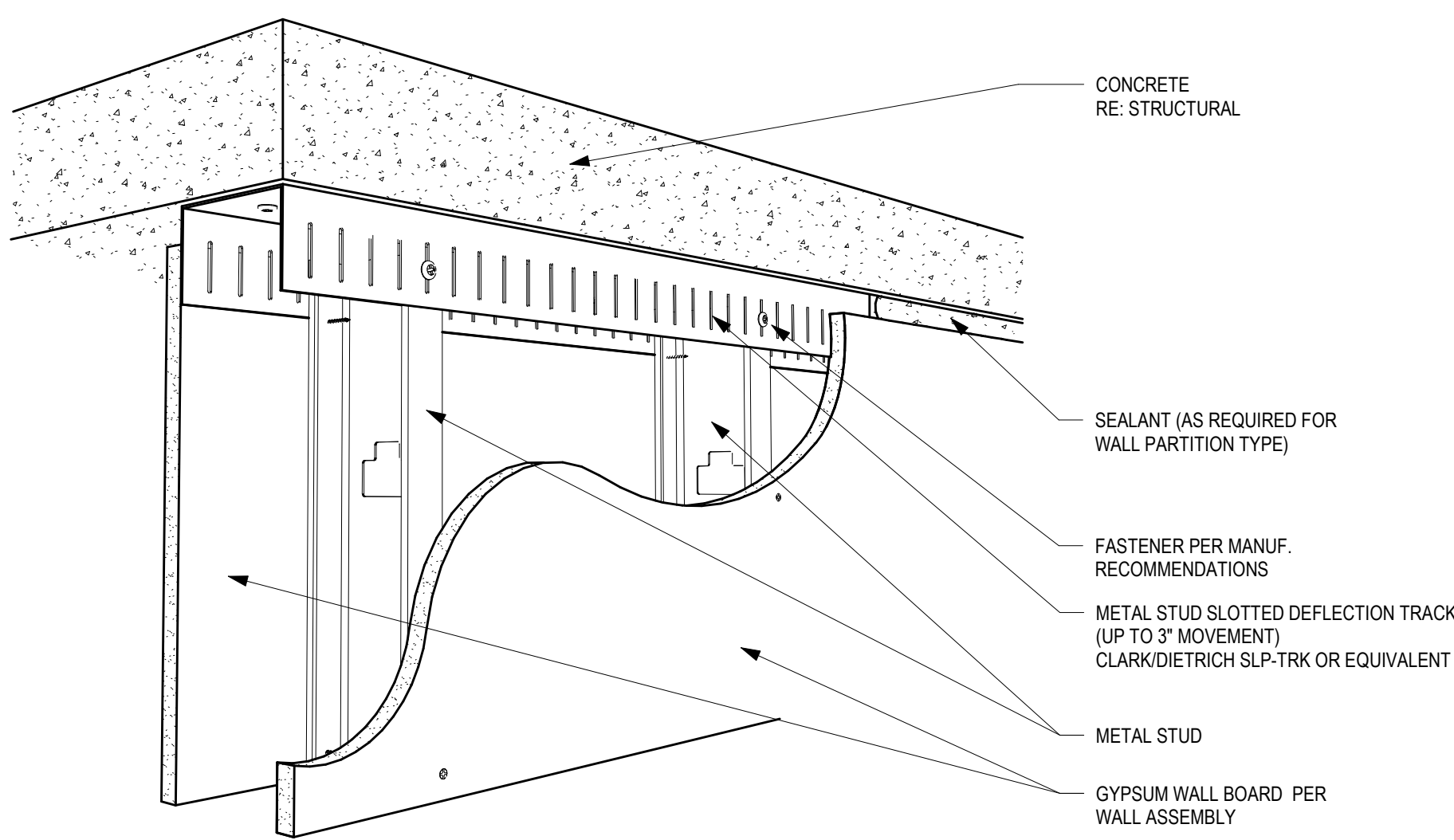
G2.01

PROJECT NO.: 25015

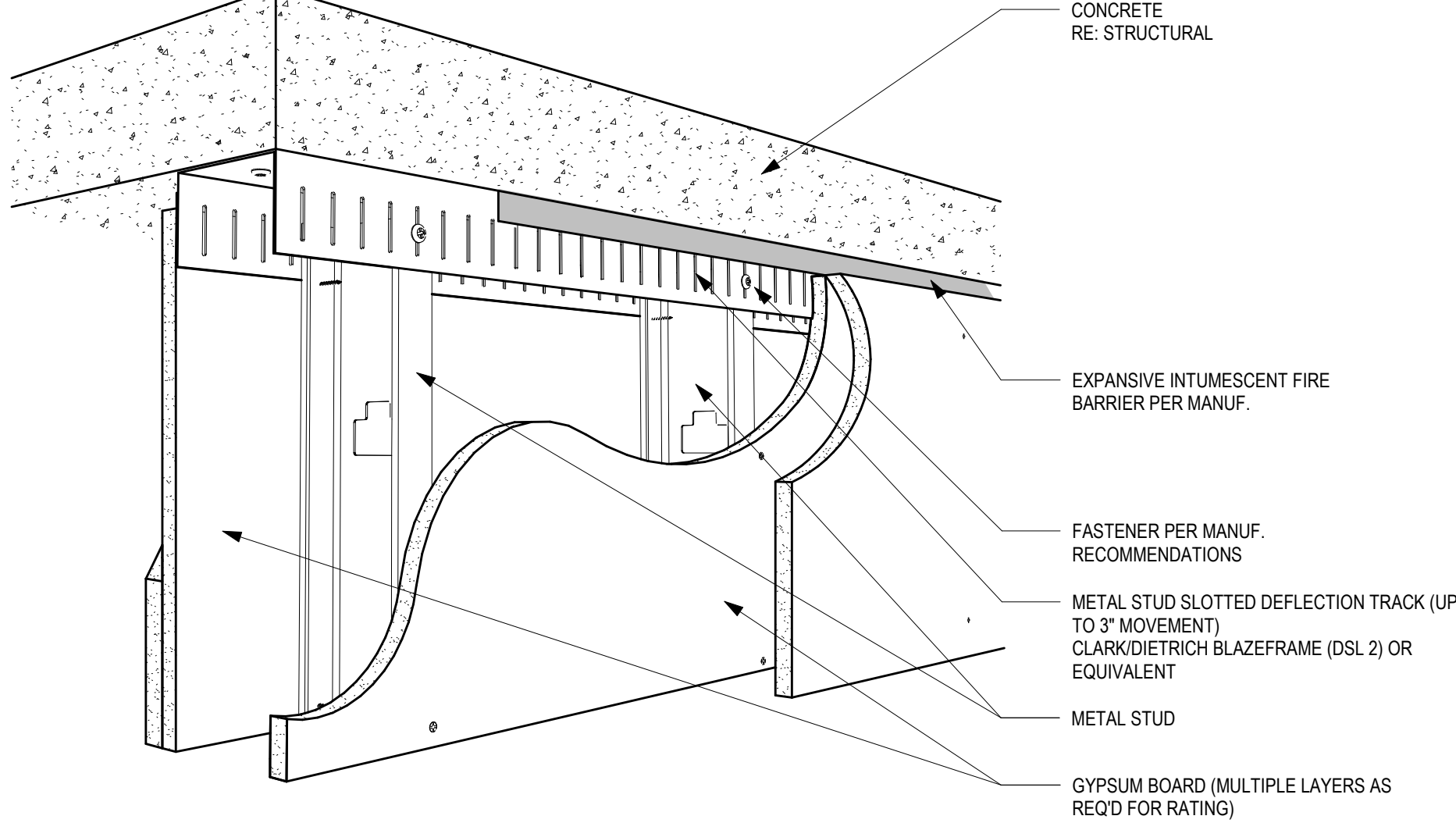
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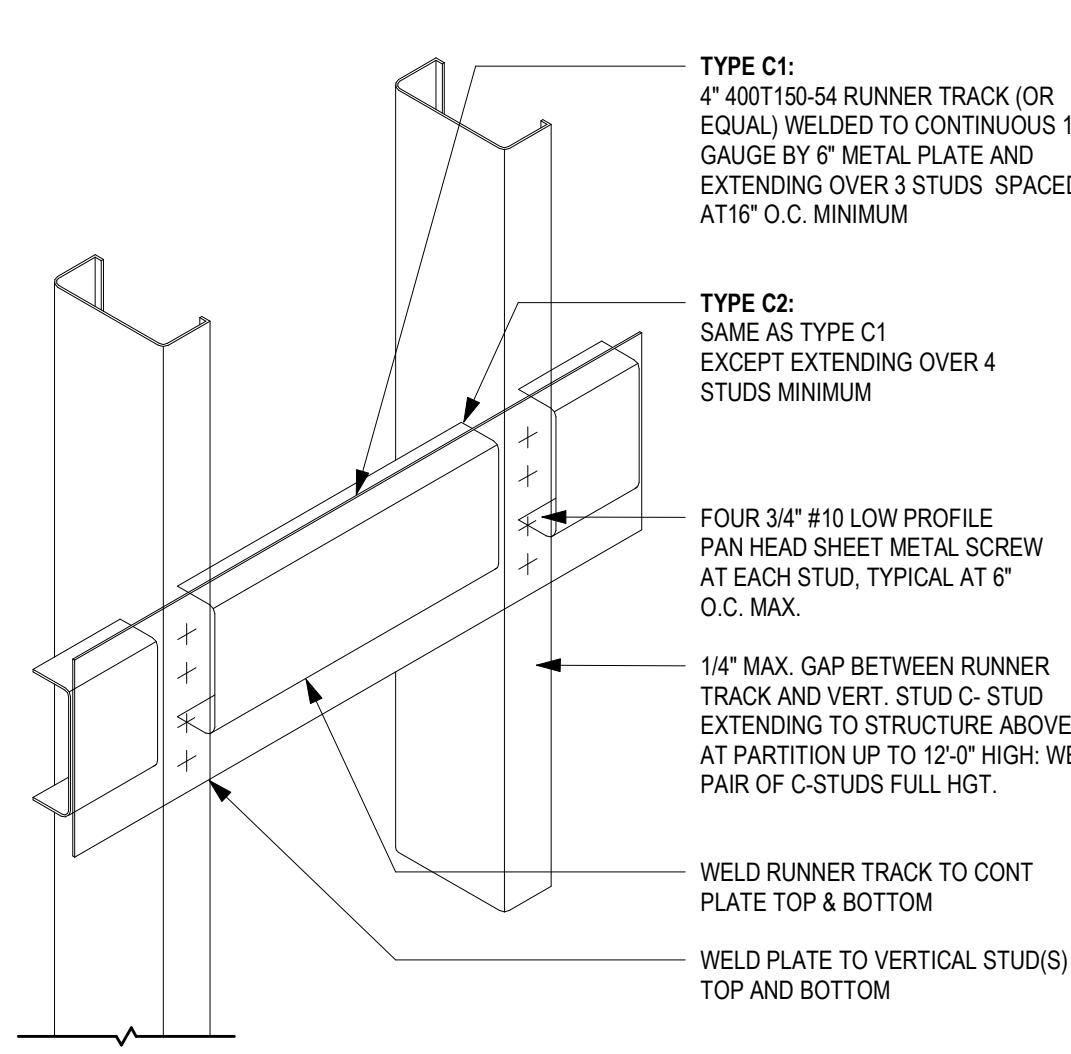
WALL PERPENDICULAR TO DECK



WALL PERPENDICULAR TO DECK



3
G2.02
BACKING PLATE TYPE C
1 1/2" = 1'-0"

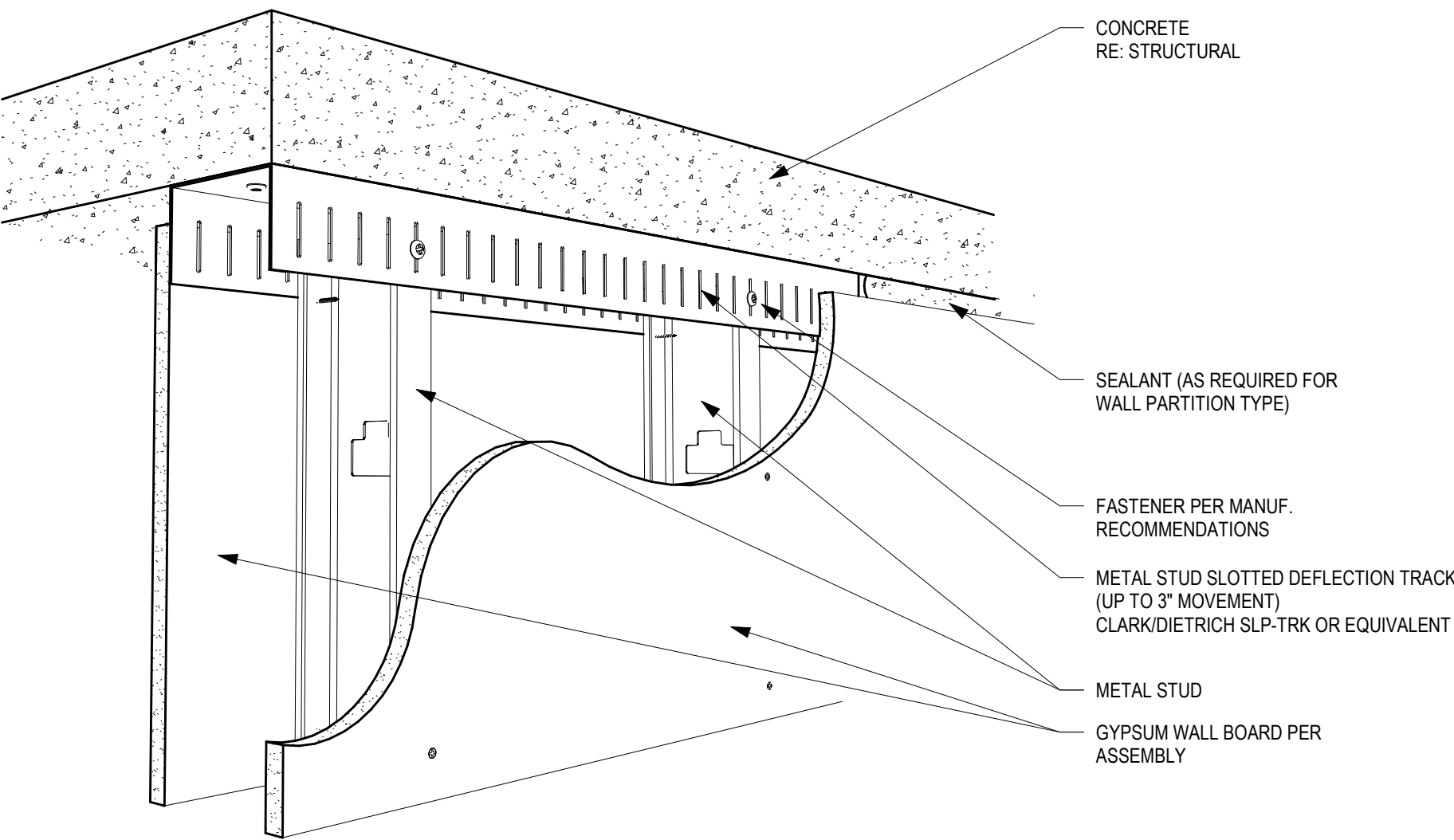


BACKING PLATE NOTES

- PROVIDE TYPE A1 OR A2 BACKING PLATES:**
- AT SMALL ITEMS REQUIRING BACKING SOLELY FOR ATTACHMENT: DOOR STOPS, BUMPER RAILS, CRASH RAILS, SURFACE MOUNTED LIGHTS, ETC. (SELECT TYPE A1 OR A2 BASED ON DIMENSIONS OF ITEM TO BE MOUNTED.)
 - AT WALL-MOUNTED EQUIPMENT AS INDICATED ON THE DRAWINGS
 - AT SMALL ITEMS (SUCH AS TOILET ACCESSORIES, MIRRORS, COAT HOOKS, ETC.) WHICH WEIGH, OR SUPPORT WEIGHTS, OF LESS THAN 50 POUNDS TOTAL. (SELECT TYPE A1 OR A2 BASED ON DIMENSIONS OF ITEM TO BE MOUNTED.)
- PROVIDE TYPE B1 BACKING PLATE:**
- AT ALL BASE CABINETS
 - AT ALL FULL HEIGHT CABINETS
 - AT WALL-MOUNTED ADJUSTABLE SHELVING
- PROVIDE TYPE B2 BACKING PLATE:**
- AT ALL UPPER WALL-HUNG CABINETS WITH HEIGHT LESS THAN 30"
 - AT ALL UPPER WALL-HUNG CABINETS WITH NO MORE THAN ONE INTERMEDIATE SHELF
 - AT ALL WALL-MOUNTED HANDRAILS
 - AT ALL WALL-MOUNTED GRAB BARS
 - AT WALL-MOUNTED EQUIP WHICH WEIGHS - OR SUPPORTS WEIGHT, WHEN FULLY LOADED - LESS THAN 200 POUNDS TOTAL AND WHERE THAT WEIGHT IS DISTRIBUTED SO THAT THE PARTITION SUPPORTS A MAXIMUM OF 100 POUNDS PER LINEAR FOOT
- PROVIDE TYPE C1 BACKING PLATE:**
- AT ALL UPPER WALL-HUNG CABINETS WITH HEIGHT OF 30" OR GREATER
 - AT ALL UPPER WALL-HUNG CABINETS WITH MORE THAN ONE INTERMEDIATE SHELF
 - AT WALL-MOUNTED EQUIP WHICH WEIGHS - OR SUPPORTS WEIGHT, WHEN FULLY LOADED - LESS THAN 400 POUNDS TOTAL AND WHERE THAT WEIGHT IS DISTRIBUTED SO THAT THE PARTITION SUPPORTS A MAXIMUM OF 200 POUNDS PER LINEAR FOOT
- PROVIDE TYPE C2 BACKING PLATE:**
- AT WALL-MOUNTED EQUIP WHICH WEIGHS - OR SUPPORTS WEIGHT, WHEN FULLY LOADED - MORE THAN 400 POUNDS TOTAL AND WHERE THAT WEIGHT IS DISTRIBUTED SO THAT THE PARTITION SUPPORTS A MAXIMUM OF 200 POUNDS PER LINEAR FOOT
- PROVIDE TYPE D BACKING PLATE:**
- PROVIDE BACKING PLATES AS INDICATED ON THE DRAWINGS OR, WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING SCHEDULE:
 - COORDINATE LOCATION, LENGTH, HEIGHT, AND NUMBER OF BACKING PLATES REQUIRED WITH ITEM TO BE MOUNTED.
 - FOR METHOD OF ATTACHMENT OF ITEM TO BE MOUNTED, REFER TO THE APPLICABLE DETAIL OR, IF NOT DETAILED, THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER.

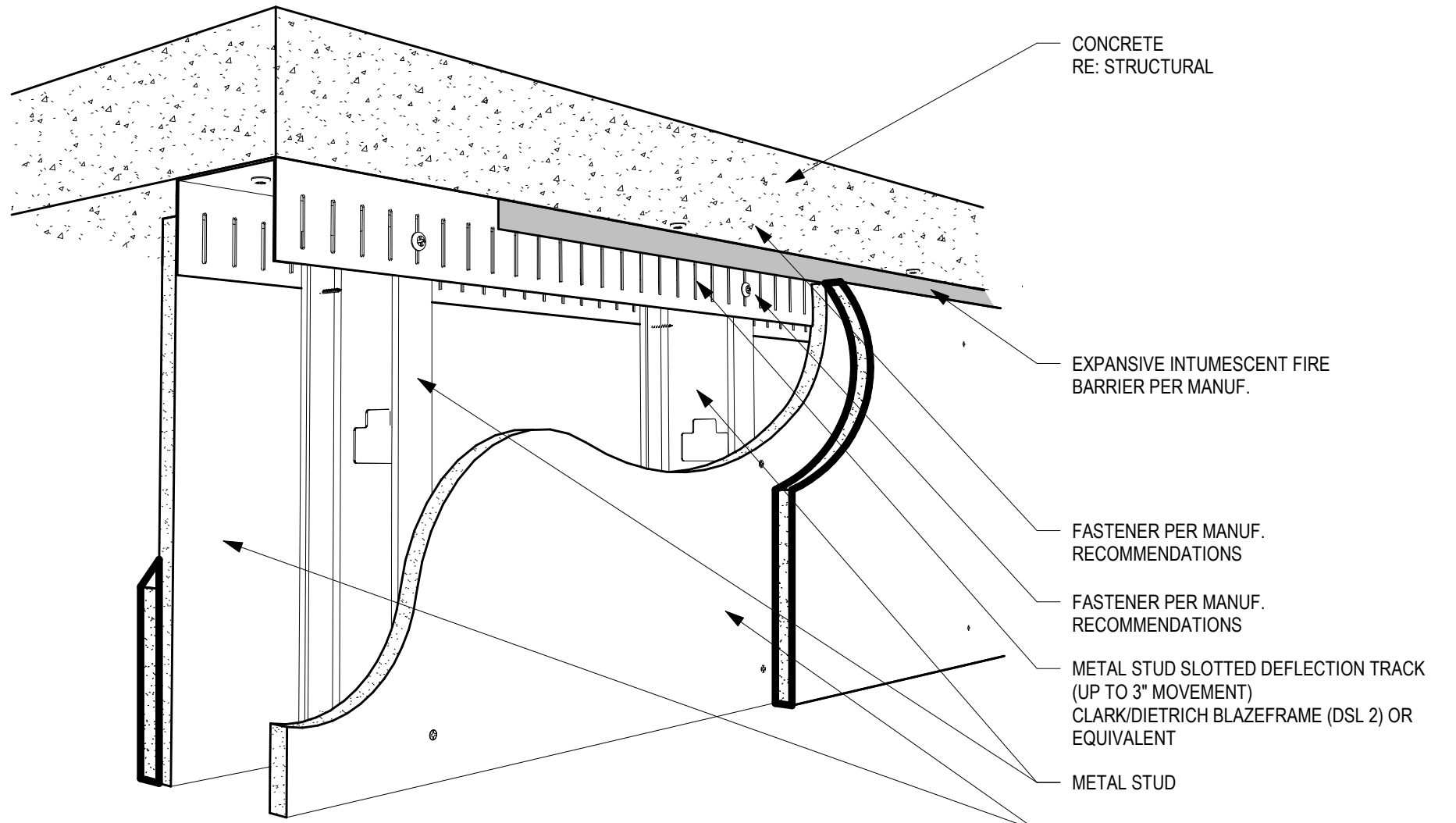
WALL PARALLEL TO DECK

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METAL STUD WALL TOP DEFLECTION TRACK @ CONC. SLAB
N.T.S.

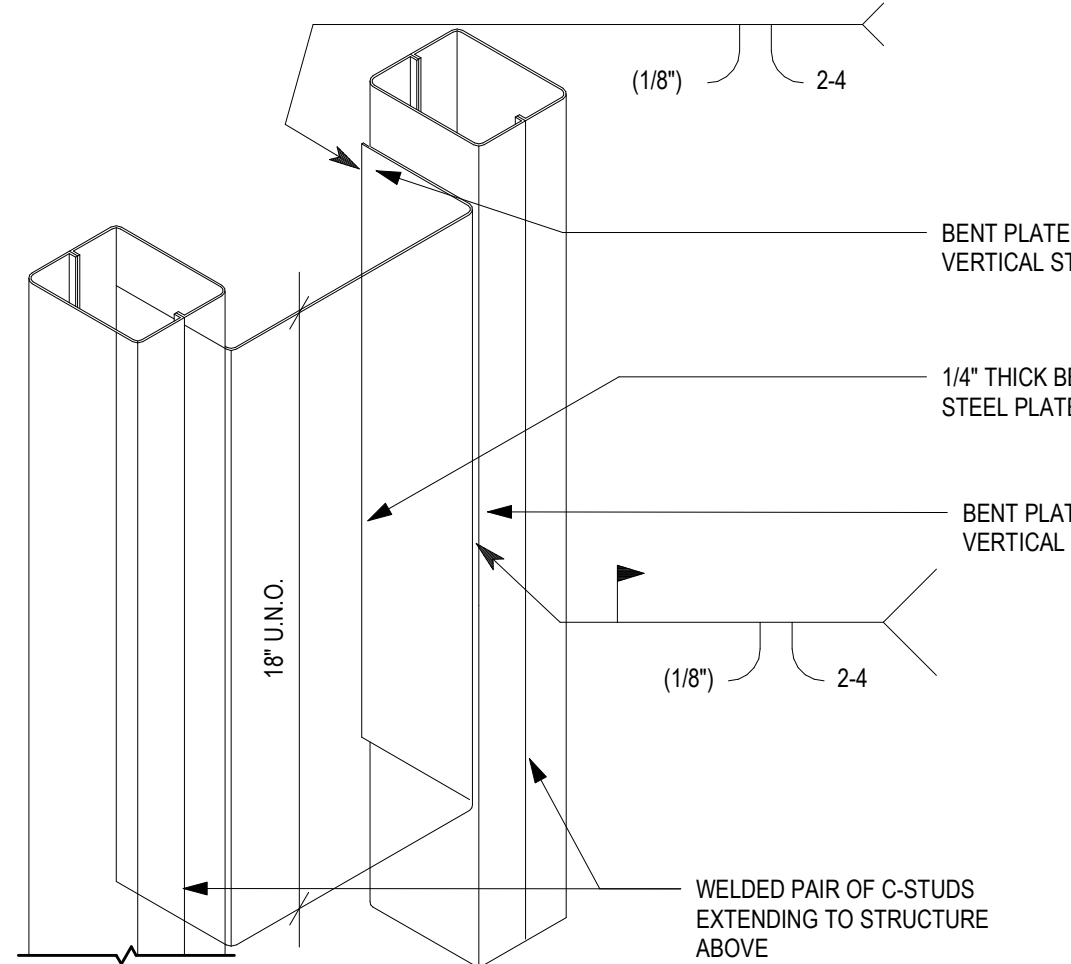


WALL PARALLEL TO DECK

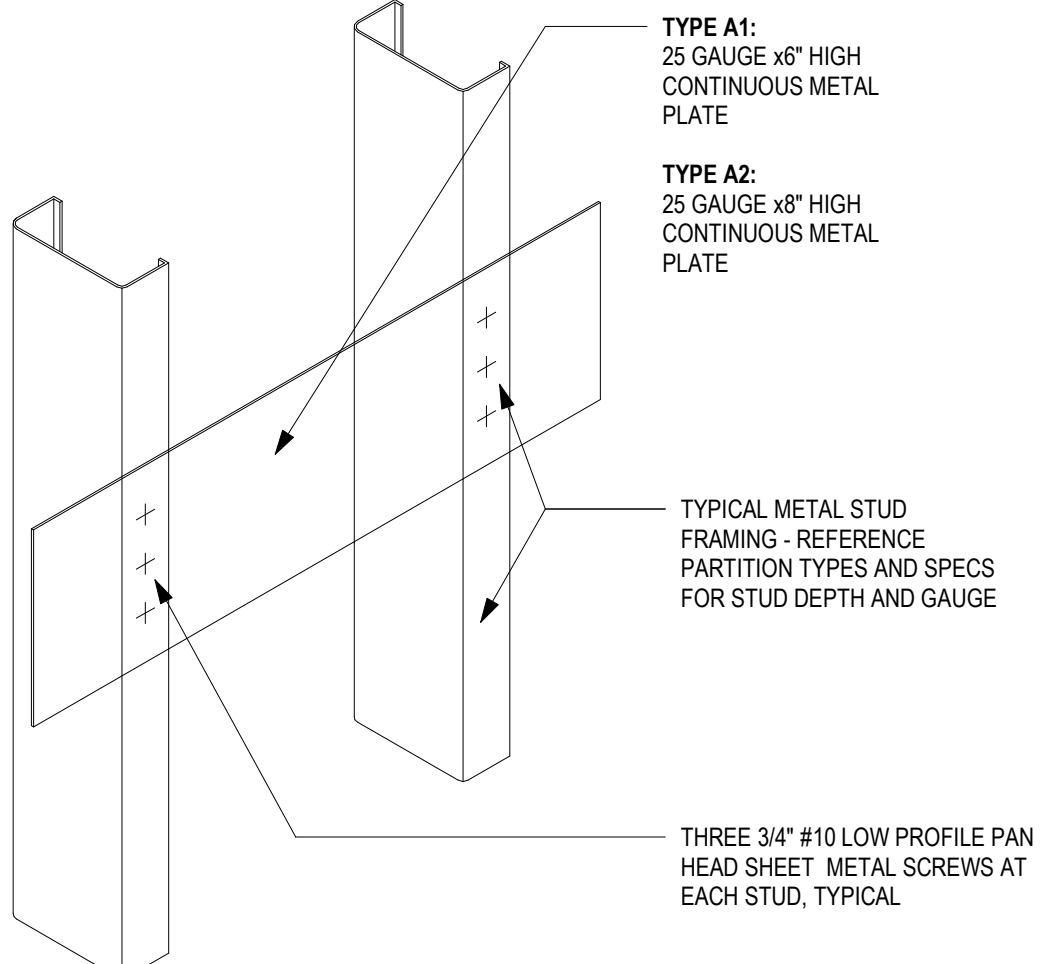
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FIRE RATED METAL WALL TOP DEFLECTION TRACK @ CONC. SLAB
N.T.S.



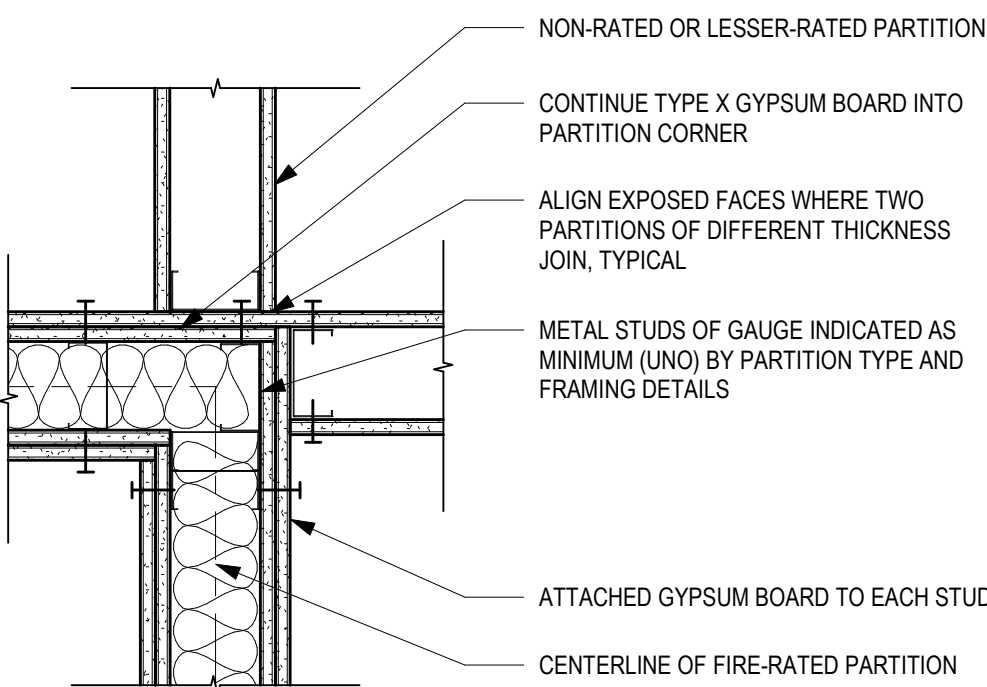
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BACKING PLATE TYPE D
1 1/2" = 1'-0"



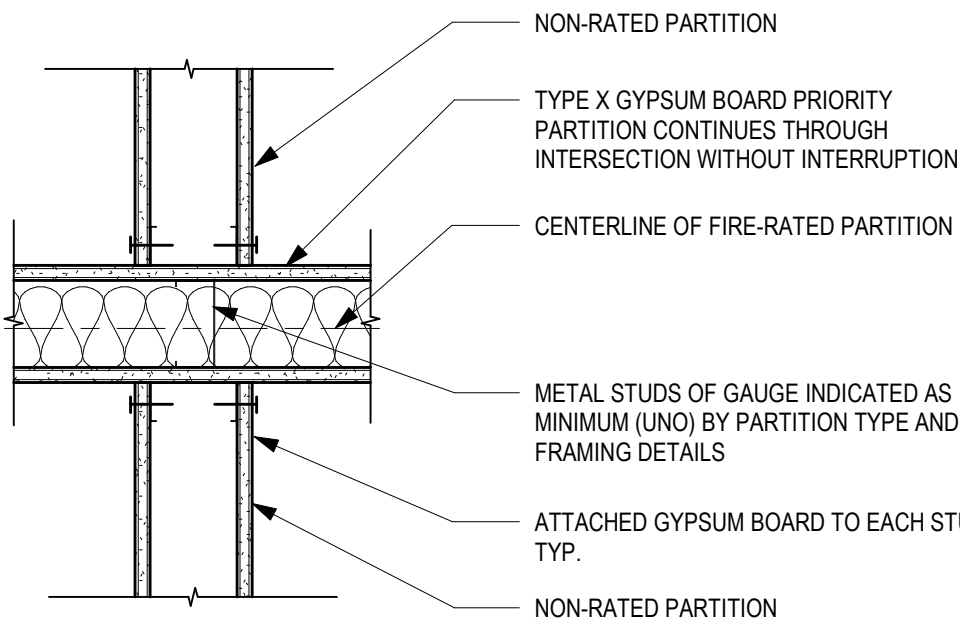
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BACKING PLATE TYPE A
1 1/2" = 1'-0"



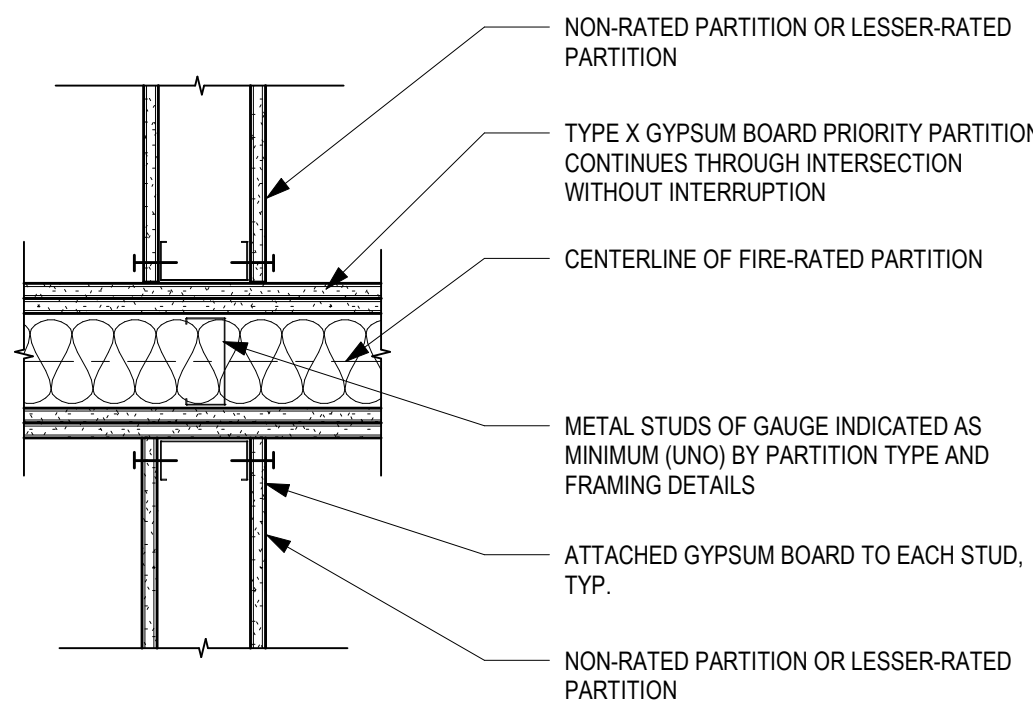
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FOUR-WAY INTERSECTION
PRIORITY PARTITION CHANGES DIRECTION



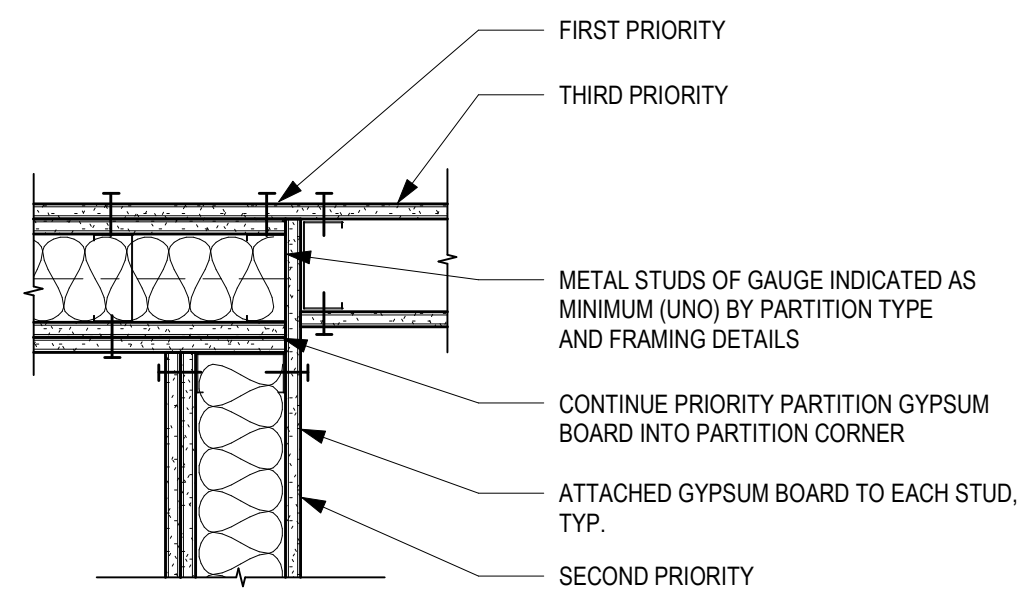
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FOUR-WAY INTERSECTION
PRIORITY PARTITION CONTINUES WITHOUT INTERRUPTION



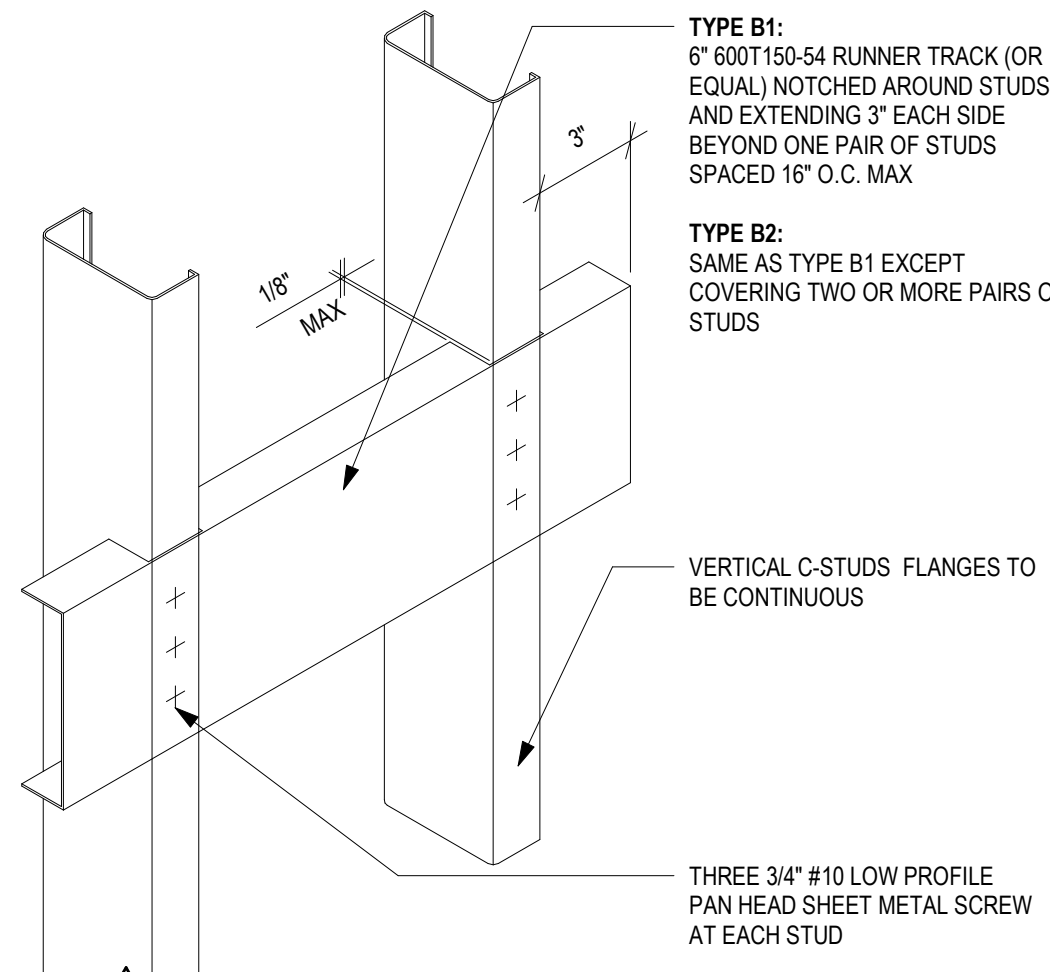
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G2.02
FOUR-WAY INTERSECTION
PRIORITY PARTITION CONTINUES WITHOUT INTERRUPTION



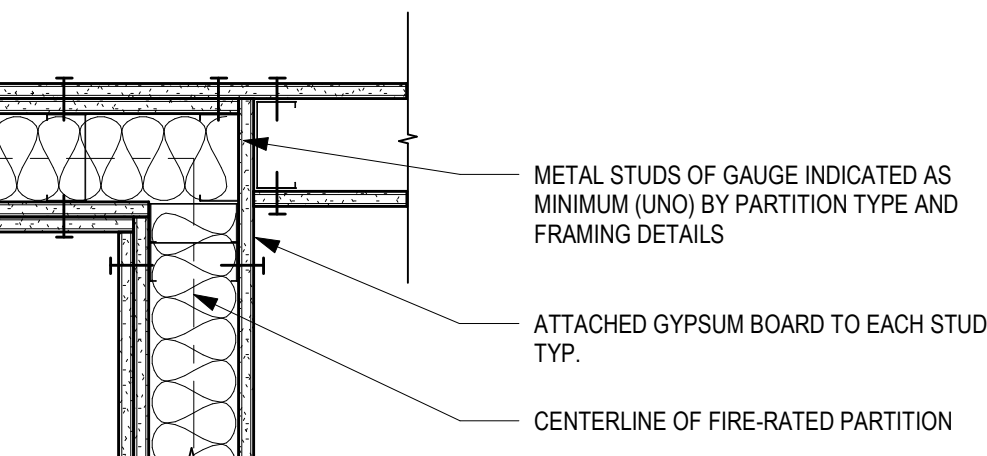
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G2.02
THREE-WAY INTERSECTION
EXAMPLE OF THREE DIFFERENT PARTITION TYPES



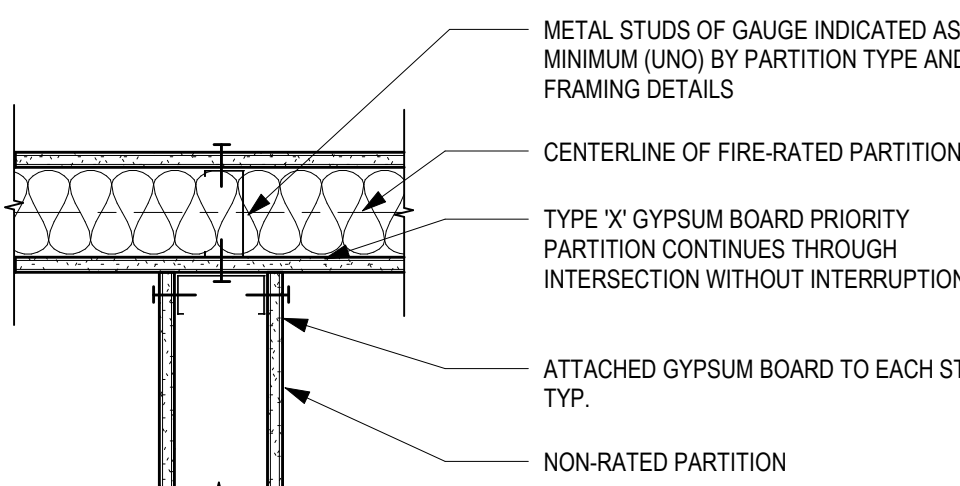
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G2.02
BACKING PLATE TYPE B
1 1/2" = 1'-0"



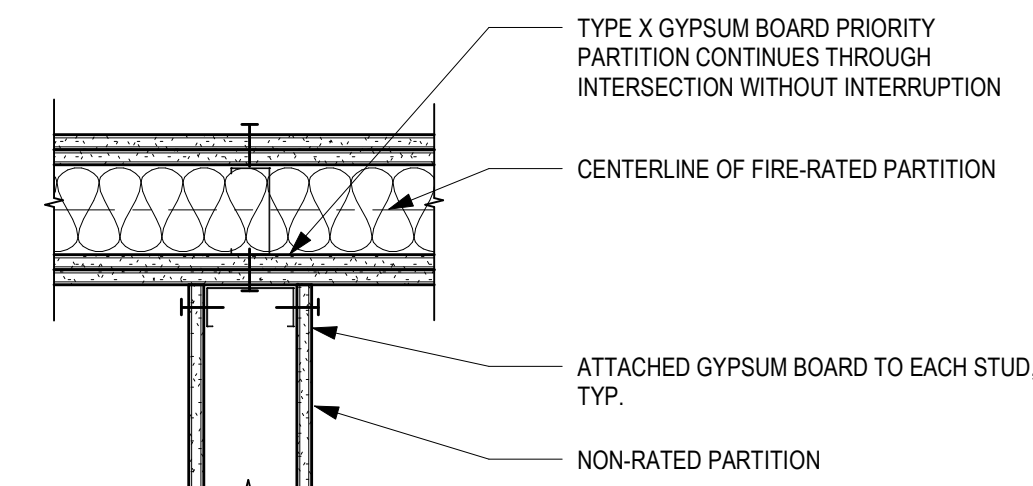
E
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THREE-WAY INTERSECTION
PRIORITY PARTITION CHANGES DIRECTION



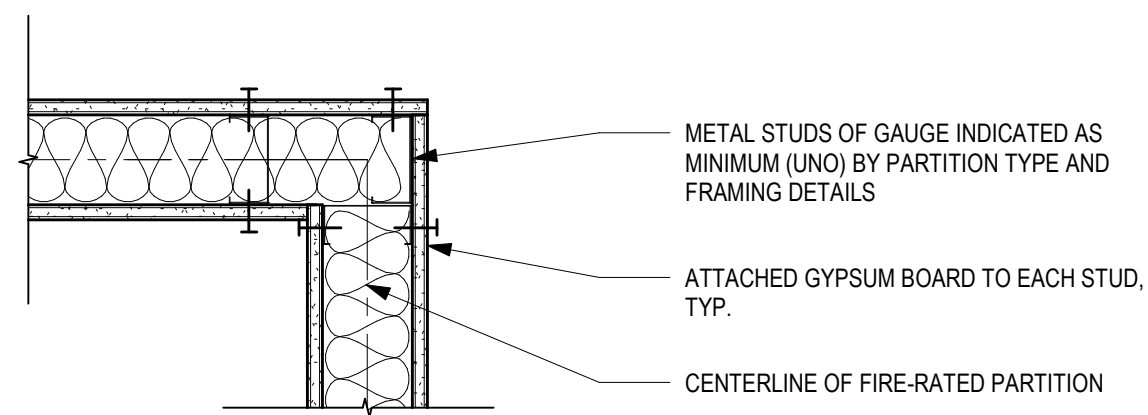
D
G2.02
THREE-WAY INTERSECTION
PRIORITY PARTITION CONTINUES WITHOUT INTERRUPTION



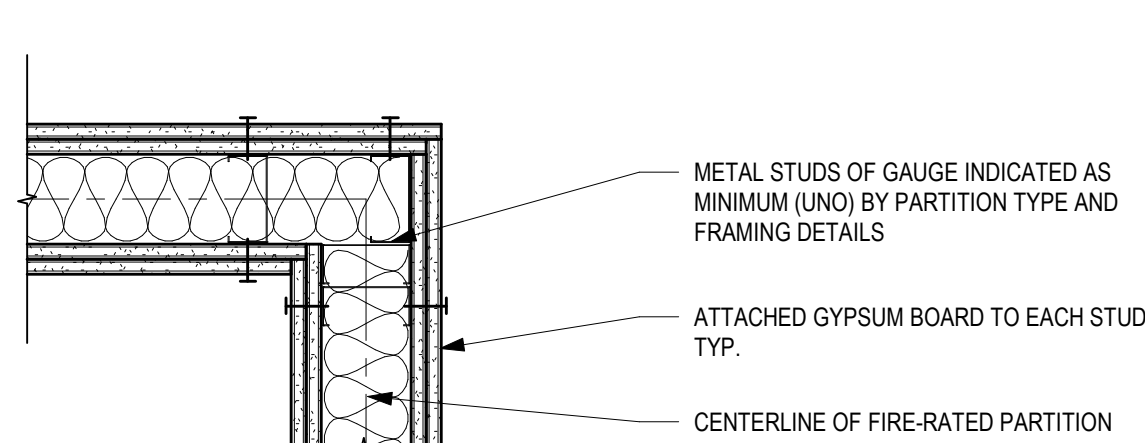
C
G2.02
THREE WAY INTERSECTION
PRIORITY PARTITION CONTINUES WITHOUT INTERRUPTION



B
G2.02
TYPICAL RATED CORNER



A
G2.02
TYPICAL RATED CORNER



- NOTES:**
- THE PRIORITY OF THE PARTITIONS IS DETERMINED AS FOLLOWS:
1. FIRE-RATED PARTITIONS HAVE PRIORITY OVER NON-RATED PARTITIONS
 2. PARTITIONS WITH GREATER FIRE-RATING HAVE PRIORITY OVER THOSE WITH LESSER RATING.
 3. SMOKE SEALED PARTITIONS HAVE PRIORITY OVER NON-SMOKE SEALED PARTITIONS.
 4. ACOUSTICAL AND LEAD-LINED PARTITIONS HAVE PRIORITY OVER NON-ACOUSTICAL AND LEAD-LINED PARTITIONS.

PARTITION DETAILS

G2.02

PROJECT NO.: 25015

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY

2630 N PACIFIC HWY, WOODBURN, OR 97071

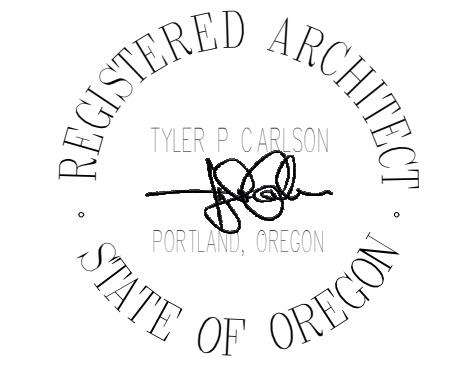


ISSUE DATE: 06.27.2025

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CONSTRUCTION DOCUMENTS



CLARK KJOS
ARCHITECTS, LLC

421 SW 5th Avenue, Suite 1300
Portland, OR 97204

Phone: 503.224.4848

1. CONTRACTOR SHALL VERIFY LIMITS OF DEMOLITION WORK
2. THIS DRAWING IDENTIFIES ONLY MAJOR WORK FOR DEMOLITION AND REMOVAL. ALL AREAS OF DEMOLITION SHALL BE CLEARED OF ALL MATERIALS AND DEBRIS TO RECEIVE INSTALLATION OF NEW CONSTRUCTION AND FINISHES
3. REF REFLECTED CEILING PLANS FOR WORK THAT MAY IMPACT DEMOLITION
4. FOR STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION
5. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING WORK. ALL DIMENSIONS OF EXISTING STRUCTURE SHALL BE VERIFIED TO ALL GUIDELINES ONLY AND MUST BE VERIFIED. REPORT ANY DISCREPANCIES BETWEEN DIMENSIONS FOUND IN FIELD AND DIMENSIONS ON DRAWINGS TO THE OWNER IMMEDIATELY
6. LOCATE ALL WIRES, PIPES, UTILITIES, STRUCTURAL MEMBERS, ETC. PRIOR TO ANY DEMOLITION. CUTTING OF ANY ITEM WHICH IS NOT IDENTIFIED ON PROJECT DRAWINGS SHALL BE FORWARDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING ANY TESTING OR SPECIAL OBSERVATION TO CORRECT THE PROBLEM
7. PATCH AND PAINT WALLS, FLOORS, AND SURFLOOR TO MATCH EXISTING WHERE WORK IS COMPLETED. ALL EXISTING FINISHES ARE TO BE PROTECTED FROM DAMAGE. DAMAGED AREAS SHALL BE REPAIRED AT NO COST TO THE OWNER

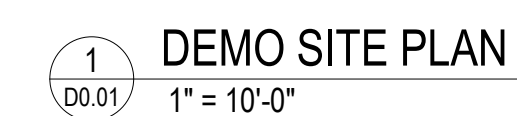
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503/224-4848



	EXISTING PARTITION TO BE REMOVED
	EXISTING PARTITION TO REMAIN
	DEMO GUTTER AND PREPARE TOP OF WALL FOR NEW PARAPET
	DEMO AWNING, PARAPET, ROOF AS NEEDED TO PREPARE FOR NEW AWNING
	DEMO EXISTING ROOF
	AREA OF SITE TO PREPARE FOR ADDITION

D.17 REMOVE EXISTING CONCRETE SLAB AS REQUIRED. SALVAGE TRANSFORMER FOR REINSTALLATION. REF ELECTRICAL

D.32 DEMOLISH MECHANICAL UNIT AND DUCT, REF MECHANICAL

The logo of the Oregon Youth Authority is a circular emblem. It features a central shield with a landscape scene, surrounded by a blue ring with the text "OREGON YOUTH AUTHORITY" in white capital letters. The shield itself contains a depiction of a river, mountains, and a sun, with the words "OREGON" and "YOUTH AUTHORITY" on either side.

REVISIONS:

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EMO SITE PLAN

EMO SITE PLAN

50.01

00 091

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PROJECT NO. : 25015

PROJECT NO.: 20019

1. DEMOLITION NOTES ARE GENERAL IN NATURE AND IT SHALL BE USED IN CONJUNCTION WITH FULL CONSTRUCTION DOCUMENTS FOR PROPER COORDINATION.
2. DEMOLITION WORK TO VERTICALLY DISMEMBER, MEMBER SIZES, AND LIMITS OF DEMOLITION WORK PER PHASE PER DATE TO COMMENCEMENT OF WORK.
3. DEMOLITION OF EXISTING CONSTRUCTION INDICATE DESIGN INTENT. CONTRACTOR TO NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWINGS TO ARCHITECT.
4. PRIOR TO DEMOLITION ACTIVITIES, CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN TO THE OWNER FOR REVIEW OF ITEM TO BE REMOVED.
5. CONTRACTOR TO COORDINATE ITEMS TO BE SALVAGED AND REUSE WITH OWNER.
6. OWNER IS RESPONSIBLE FOR REMOVING FURNITURE AND EQUIPMENT TO BE STORED.
7. ALL HAZARDOUS DEMOLITION ITEMS SHALL BE CLEARED OF ITEMS MAJOR AND MINOR TO REPLACE INSTALLATION OF NEW CONSTRUCTION AND FINISHES.
8. DEMOLITION OF ITEM WHICH IS NOT PART OF THIS PROJECT SHALL BE PREPARED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. DURING DEMOLITION SCHEDULE AND SHUTDOWNS WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
10. REMOVAL OF HAZARDOUS WASTE PRIOR TO DEMOLITION ACTIVITY TO BE BY OWNER UNDER SEPARATE CONTRACT.
11. REMOVAL OF DEMOLITION ITEMS FROM THE EXISTING SYSTEM NOT REUSED, INCLUDING ASSOCIATED MATERIALS AND ACCESSORIES
12. REMOVE OR ACQUISITELY RASTED ASSEMBLIES - PATCH AND REPAIR AS NEEDED
13. LOCATE AND MAINTAIN TEMPORARY, LARGE CAPACITY FIRE EXTINGUISHING FOR DURATION OF CONSTRUCTION
14. EXTINGUISHER TYPE TO BE A-B-C OR AS REQUIRED BY LOCAL FIRE DEPARTMENT
15. REMOVE DEMOLITION WASTE FROM PROJECT SITE DAILY, AND DISPOSE PER APPLICABLE CODES, IF REQUIRED BY LOCAL CODE
16. CONTRACTOR SHALL RECYCLE DEMOLITION DEBRIS IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
17. PATCHES, FINISHES, AND REMAINING DAMAGED AREAS SHALL BE REPAIRED AT NO COST TO THE OWNER.
18. PATCH AND PAINT WALLS, FLOORS, AND SURFLOOR TO MATCH EXISTING WORKING CONDITIONS.
19. WHERE DOOR OPENINGS ARE FILLED, REMOVE FRAME AND PATCH WALL TO MATCH ADJACENT SURFACES, UNLESS ALIGN NEW DOOR WITH ADJACENT DOOR.

	EXISTING PARTITION TO BE REMOVED
	EXISTING PARTITION TO REMAIN
	DEMO GUTTER AND PREPARE TOP OF WALL FOR NEW PARAPET
	DEMO AWNING, PARAPET, ROOF AS NEEDED TO PREPARE FOR NEW AWNING
	DEMO EXISTING ROOF
	AREA OF SITE TO PREPARE FOR ADDITION

- D.1 REMOVE DOOR, FRAME, AND HARDWARE.
- D.2 SALVAGE DOOR, FRAME, AND HARDWARE. REINSTALL TO SWING OUT OF ROOM.
- D.3 REMOVE ALL TOILET ROOM FIXTURES, ACCESSORIES, PIPING AND APPURTENANCES.
- D.4 REMOVE CASKWORK/ CABINETS, OWNER TO DECIDE ON REUSE OR REPURPOSE
- D.5 REMOVE ALL FURNITURE, EQUIPMENT, AND LOOSE ITEMS. SALVAGE TO OWNER.
- D.6 DEMOLISH FLOORING, PREP SLAB FOR NEW FLOORING.
- D.7 REMOVE SECURITY CAMERA, SALVAGE FOR REUSE.
- D.8 DEMOLISH GYPSUM CEILING AND LIGHT FIXTURES.
- D.9 DEMOLISH CEILING, CEILING GRID, SMOKE DETECTORS AND LIGHT FIXTURES. PROTECT SPRINKLER HEADS.
- D.10 CUT OPENING IN CMU WALL PER PLAN.
- D.11 REMOVE DOOR, FRAME, AND HARDWARE. SALVAGE FOR REUSE.
- D.12 DEMOLISH EXISTING EXTERIOR WALL, STRUCTURAL COLUMN & BEAMS TO REMAIN.
- D.13 EXISTING CEILING AND ACCESSORIES TO REMAIN WITH EXCEPTIONS NOTED. PROTECT ALL FROM DAMAGE.
- D.14 REMOVE EXISTING CONCRETE SLAB & REINFORCE. SALVAGE TRANSFORMER FOR REINSTATEMENT. REF ELECTRICAL.
- D.15 NO CONSTRUCTION ACCESS THROUGH COURTYARD - INSTALL PROTECTIVE CONCRETE SLAB & REINFORCING. FURNISH OPENINGS PRIOR TO START OF WORK.
- D.16 REMOVE EXISTING CONCRETE STEP AND WALKWAY.
- D.17 REMOVE WINDOW, FRAME, AND PREPARE OPENING TO BE REUSED TO MATCH EXISTING.
- D.18 REMOVE WINDOW AND FRAME.
- D.19 EXISTING SECURITY CODE TO REMAIN
- D.20 EXISTING OPEN TO STRUCTURE TO REMAIN
- D.21 DEMOLISH LIGHT FIXTURES
- D.23 REMOVE EXISTING BUILDING FOUNDATION AS REQUIRED FOR NEW GRADE BEAM
- D.31 DEMOLISH DOWNPOUT
- D.32 DEMOLISH MECHANICAL UNIT AND DUCT, REF MECHANICAL.
- D.33 CUT OPENING IN CMU WALL PER PLAN FOR SPANDREL

RENOVATION
OREGON YOUTH AUTHORITY
630 N PACIFIC HWY WOODBURN, OR 97071



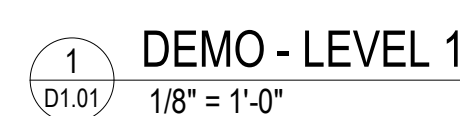
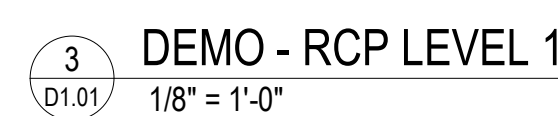
REVISIONS:

1 County Comments 08/19/2025

2025

D1.01

PROJECT NO.: 2501





A1.01 $1/4" = 1'-0"$

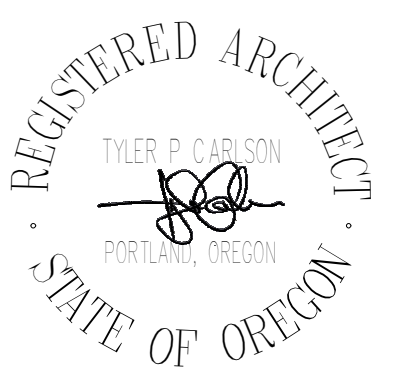


A1.01 1" = 10'-0"

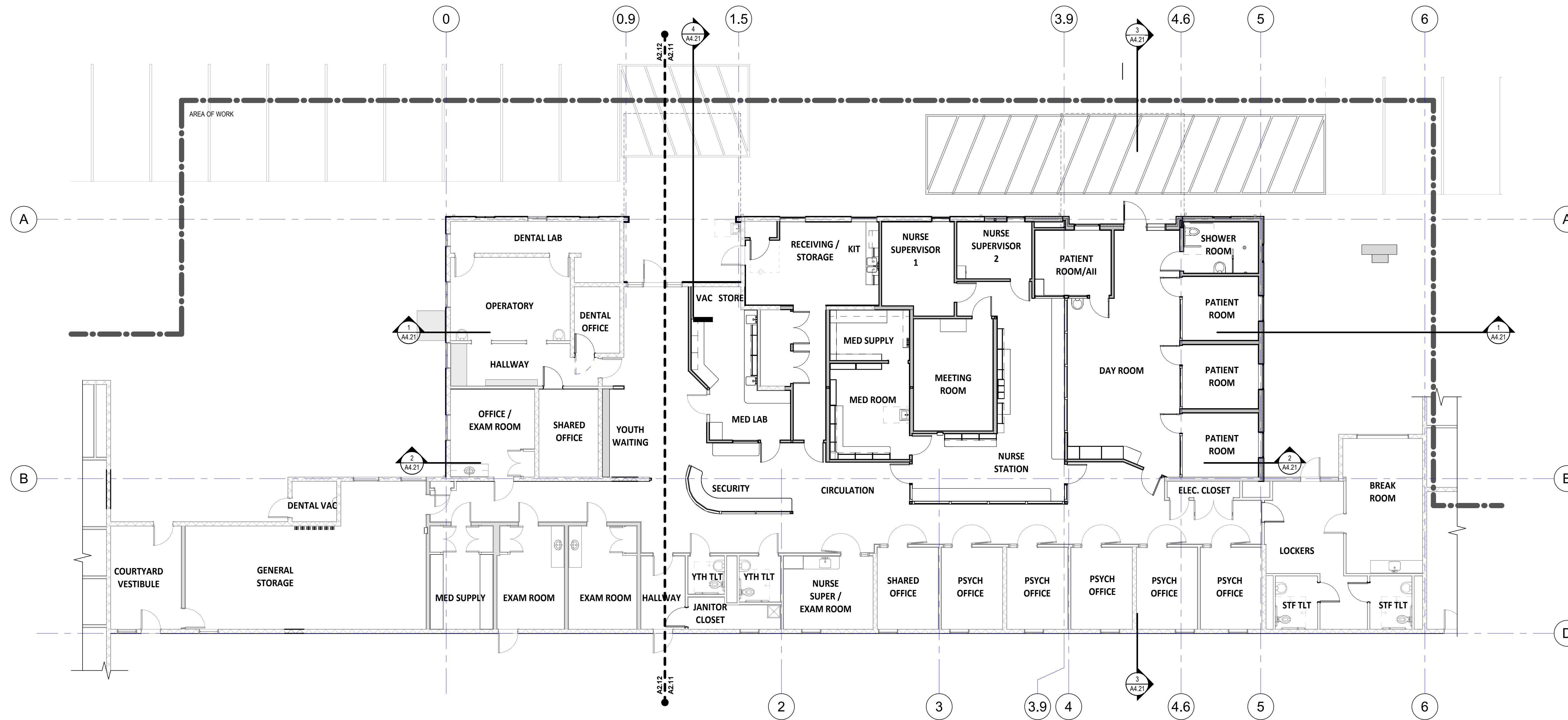
KEYNOTES

PROJECT NO.: 2501

421 SW Sixth Avenue, Suite 1300



=====	EXISTING PARTITION
=====	NEW PARTITION
<u>CR</u>	CARD READER

**MACLAREN INFIRMARY & PHARMACY**

RENOVATION

OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071



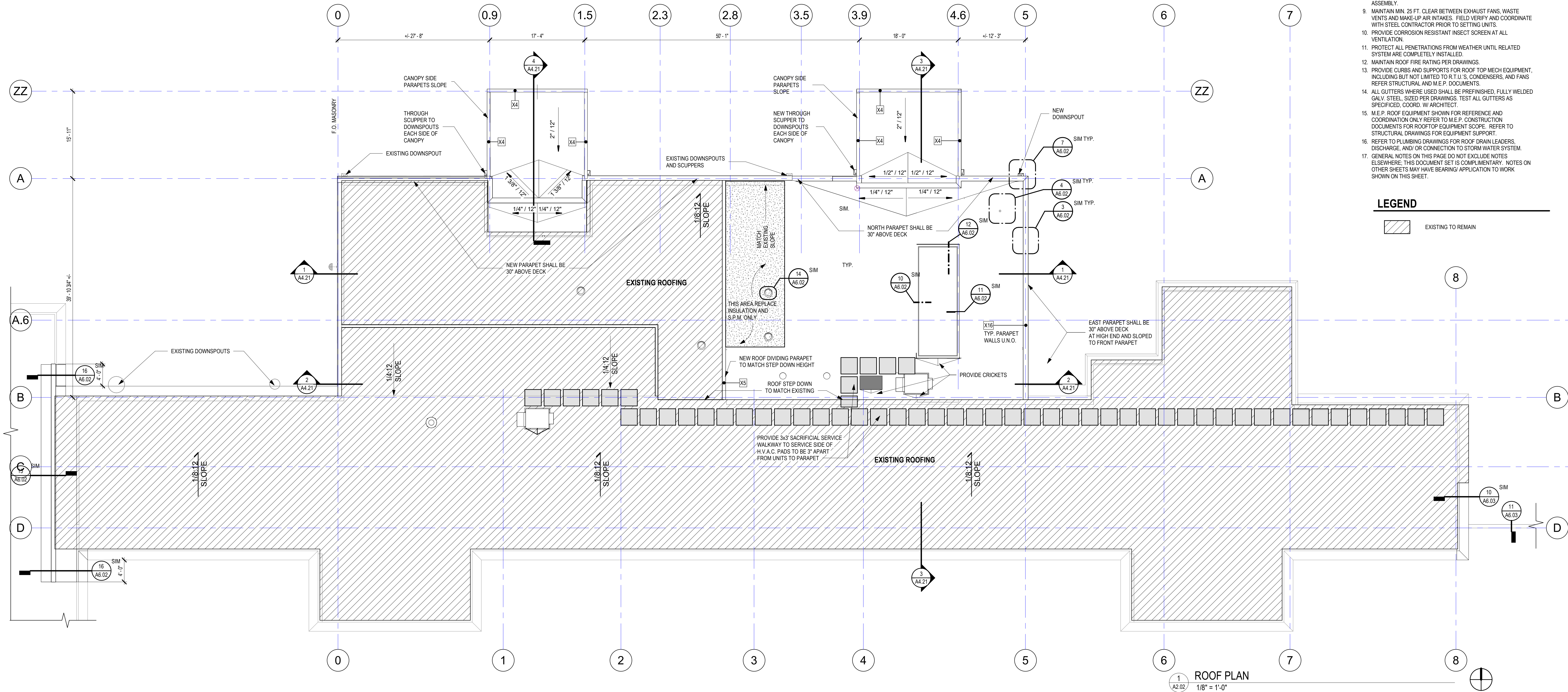
SUE DATE: 06.27.2025

County Comments 06/19/2025

FLOOR PLAN - LEVEL 1

A2.01

PROJECT NO.: 25015



GENERAL NOTES: ROOF

1. REF. MECHANICAL AND ELECTRICAL FOR ADDITIONAL ITEMS TO BE ACCOMMODATED IN THE ROOF COVERING
2. NRCA STANDARDS TO BE FOLLOWED
3. FOR TYPICAL ROOF ASSEMBLIES REFER TO G SERIES ON ASSEMBLIES
4. PROVIDE TAPERED INSULATION CRICKETS AT HIGH SIDE OF ALL MECH UNITS, AND AT ALL MISC ROOF PENETRATIONS, BOXED VENTS, ETC. TO INSURE POSITIVE ROOF DRAINAGE
5. PROVIDE PENETRATION FLASHING FOR ALL ROOF TOP EQUIPMENT, CONDUIT, AND PIPING. FLASHING AND STRIPPING MATERIALS, AUXILIARY MEMBRANES, INSULATION AND ROOFING ACCESSORIES SHOULD REFER TO ROOFING SYSTEM MANUFACTURER RECOMMENDATIONS FOR STRIPPING, FLASHING, INSULATION, ACCESSORY COMPATIBILITY ROOFING MEMBRANE SYSTEM
6. REFER TO DRAINAGE CALCULATIONS FOR GUTTER, D.S. SIZES AND PROFILES. CALCULATIONS BASED ON 100 YR. EVENT
7. ALL GUTTERS WHERE USED SHALL BE PREFINISHED, FULLY WELDED GALV. STEEL, SIZED PER DRAWINGS. TEST ALL GUTTERS AS SPECIFIED. COORD. W/ ARCHITECT
8. WHERE INDICATED- LOCATE SCUPPERS PER EXTERIOR ELEVATIONS COORD. W/ MASONRY COURSING IF LOCATED WITHIN C.M.U. ASSEMBLY
9. MAINTAIN MIN. 25 FT. CLEAR BETWEEN EXHAUST FANS, WASTE VENTS AND MAKE-UP AIR INTAKES. FIELD VERIFY AND COORDINATE WITH STEEL CONTRACTOR PRIOR TO SETTING UNITS
10. PROVIDE CORROSION RESISTANT INSECT SCREEN AT ALL VENTILATION
11. PROTECT ALL PENETRATIONS FROM WEATHER UNTIL RELATED SYSTEM ARE COMPLETELY INSTALLED
12. MAINTAIN ROOF FIRE RATING PER DRAWINGS
13. PROVIDE CURBS AND SUPPORTS FOR ROOF TOP MECH EQUIPMENT, INCLUDING BUT NOT LIMITED TO A.U.'S, CONDENSERS, AND FANS REFER STRUCTURAL AND M.E.P. DOCUMENTS
14. ALL GUTTERS WHERE USED SHALL BE PREFINISHED, FULLY WELDED GALV. STEEL, SIZED PER DRAWINGS. TEST ALL GUTTERS AS SPECIFIED. COORD. W/ ARCHITECT
15. M.E.P. ROOF EQUIPMENT SHOWN FOR REFERENCE AND COORDINATION ONLY REFER TO M.E.P. CONSTRUCTION DOCUMENTS FOR ROOFTOP EQUIPMENT SCOPE. REFER TO STRUCTURAL DRAWINGS FOR EQUIPMENT SUPPORT
16. REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN LEADERS, DISCHARGE, AND/OR CONNECTION TO STORM WATER SYSTEM
17. GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE; THIS DOCUMENT SET IS COMPLIMENTARY. NOTES ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET.

LEGEND

EXISTING TO REMAIN

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY

2630 N PACIFIC HWY. WOODBURN, OR 97071



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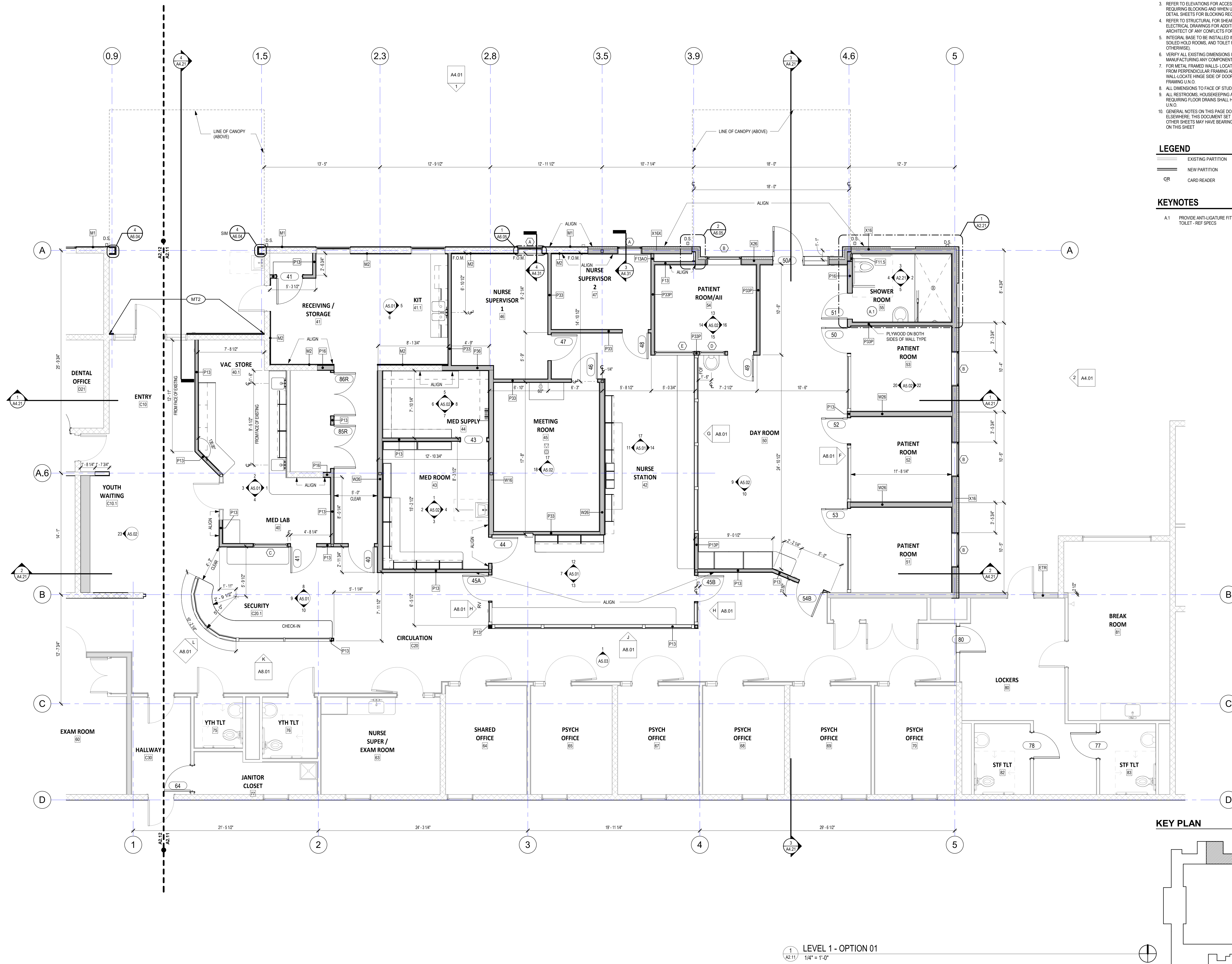
ROOF PLAN

A2.02

PROJECT NO.: 25015

CONSTRUCTION DOCUMENTS

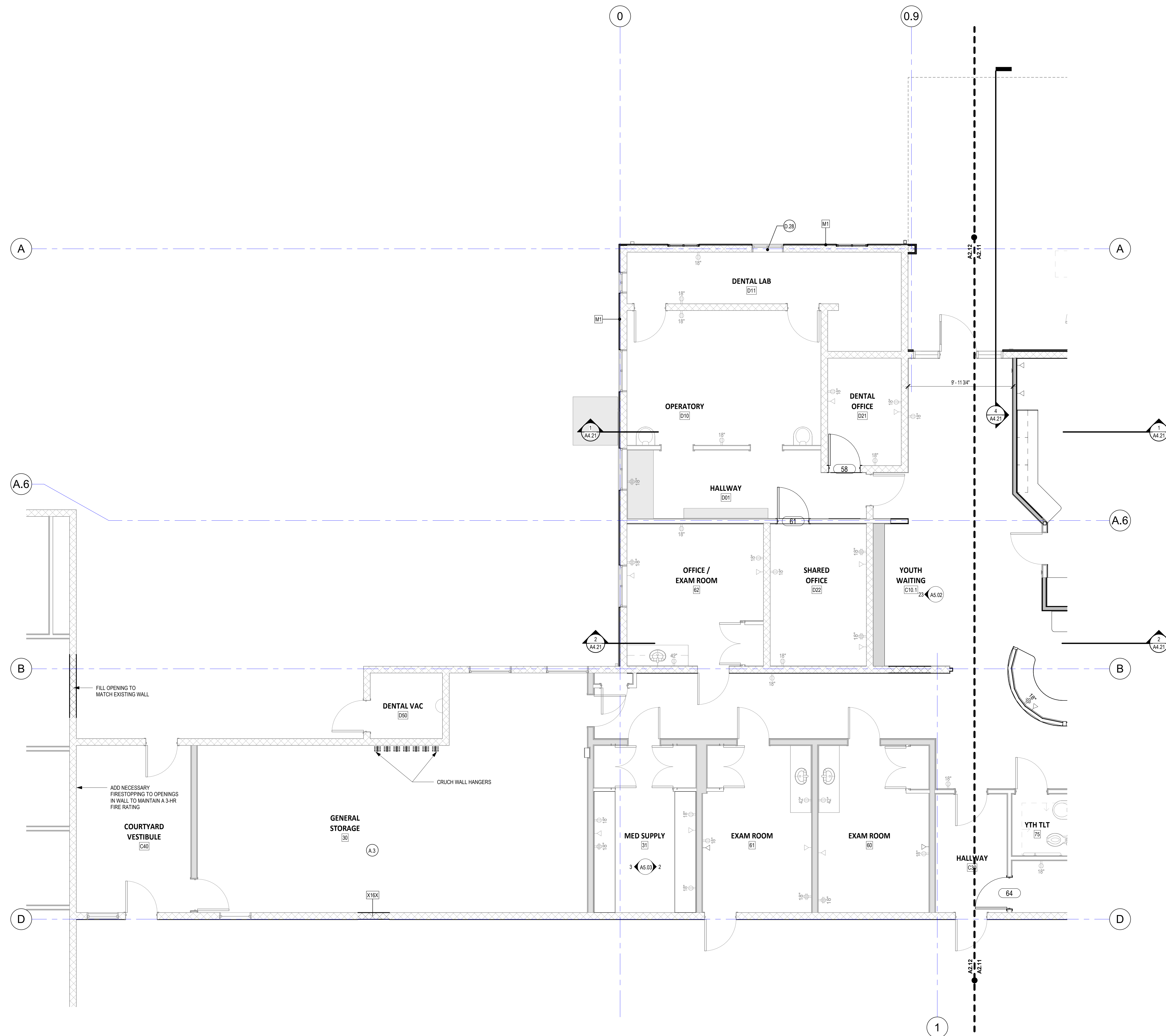
C J A R K K L O S
A R C H I T E C T S , L L C
REGISTERED ARCHITECT
TAYLOR P. CARLSON
PORTLAND, OREGON
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503.224.4848



1. REFER TO PARTITION TYPES SHEET FOR LEGEND AND CONSTRUCTION ASSEMBLIES.
2. REFER TO PARTITION DETAILS FOR DEFLECTION TRACK, BACKING AND FINISH FOR BLOWDOWN AND RATED CONNECTION DETAIL.
3. REFER TO ELEVATIONS FOR ACCESSORIES AND EQUIPMENT REQUIRING BLOWDOWN AND WHEN USING METAL STUDS REFER TO PARTITION DETAILS FOR ACCESSORY DETAIL.
4. REFER TO STRUCTURAL FOR SHEAR WALL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS FOR WRITTEN RESOLUTION.
5. VERIFY ALL CASES TO FACE TO FACE UNLESS OTHERWISE NOTED, SOILED HOD ROOMS, AND TOILET ROOMS (UNLESS NOTED OTHERWISE).
6. VERIFY ALL EXISTING DIMENSIONS IN FIELD PRIOR TO ORDERING OF MATERIALS INCLUDING ANY COMPONENT.
7. FOR METAL FRAMED WALLS - LOCATE HINGE SIDE OF ALL DOORS 4" FROM PERPENDICULAR FRAMING AND FOR WOOD FRAMED 4" FROM LOCATE HINGE SIDE OF DOOR 4-1/2" FROM PERPENDICULAR FRAMING I.D.O.
8. ALL DIMENSIONS TO FACE OF STUD UNLESS OTHERWISE NOTED.
9. ALL RESTROOMS, HOUSEKEEPING AREAS AND OTHER AREAS REQUIRING FLOOR DRAINS SHALL HAVE AN INTEGRAL BASE COVING U.S.
10. GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE. THIS DOCUMENT SET IS COMPLIMENTARY. NOTES ON OTHER SHEETS MAY HAVE BEARING APPLICATION TO WORK SHOWN ON THIS SHEET.

=====	EXISTING PARTITION
=====	NEW PARTITION
CR	CARD READER

A.3 PATCH AND REPAIR ALL WALLS IN THIS AREA
D.28 EXISTING OPEN TO STRUCTURE TO REMAIN



MacLAREN INFIRMARY & PHARMACY
RENOVATION
OREGON YOUTH AUTHORITY
7630 N PACIFIC HWY. WOODBURN, OR 97071



REVISIONS:

1 County Comments 06/19/2025

ENLARGED PLAN -
STORAGE AREA

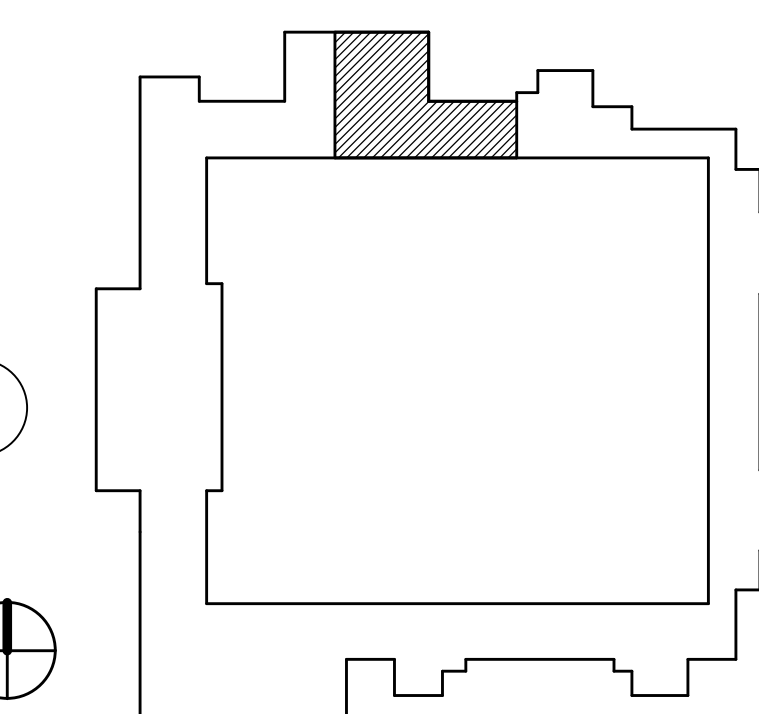
A2.12

PROJECT NO.: 2501

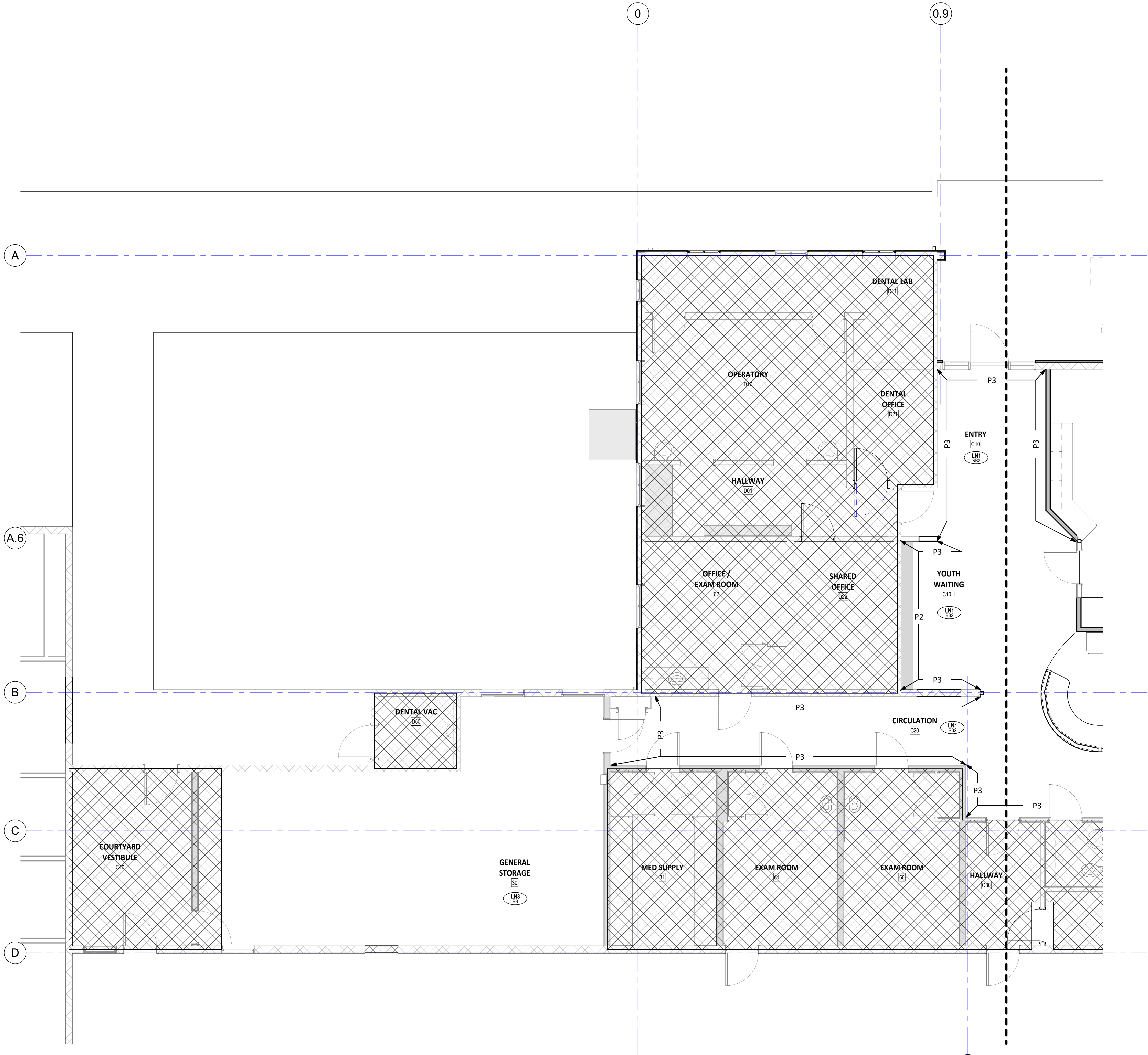
2025

P-2
 ACCENT POINT
 INSTALL DIRECTION
 KEYNOTE
 FLOORING TRANSITION
 FLOORING TAG
 FLOORING MATERIAL
 WALLBASE MATERIAL
 FINISHES
 GFI BB
 ST1
 NO WORK IN THIS AREA
 CUT THROUGH BUILDING
 WOOD MATERIAL, REF
 METAL PANELS, REF
 STUCCO, REF

CPT#	CARPET
CT#	CERAMIC TILE
GL#	SPANDREL GLASS
LN#	LINOLEUM FLOORING
MT#	METAL PANEL
P#	WALL PAINT
RB	RUBBER BASE
ST#	STUCCO



1 FINISH PLAN - LEVEL 1 - PATIENT AREA
A2.51 1/4" = 1'-0"



GENERAL NOTES: FINISHES

1. REFER TO INTERIOR FINISH SPECIFICATIONS FOR FINISH SCHEDULE, PROJECT DESCRIPTIONS AND ADDITIONAL INFORMATION.
2. FILL ALL HOLES, CRACKS AND RECESSES IN CONCRETE FLOOR WITH NON-SHRINK GROUT FOR A SMOOTH FINISH PREPARED TO RECEIVE FLOOR FINISH.
3. HEAT WELD ALL SHEET VINYL SEAMS.
4. TOP-SET RUBBER OR VINYL WALL BASE, WHERE USED, SHALL BE SEALED TIGHTLY TO THE FLOOR AS WELL AS TO THE WALL.
5. GENERAL WALL PAINT IS P-1 UNLESS NOTED OTHERWISE.
6. SEE INTERIOR ELEVATIONS FOR WALL PROTECTION AND CHAIR RAIL HEIGHT.
7. SEE INTERIOR ELEVATIONS FOR TILE PATTERNS AND LOCATION OF ACCENTS.
8. PLAM SOFFITS TO MATCH UPPER CABINET U.N.O.
9. REFER TO WINDOW TYPE SHEET FOR WINDOW COVERINGS.
10. PROVIDE BACKSPLASH MATCHING COUNTER MATERIAL, WHERE COUNTER ABUTS WALL, (UNLESS NOTED OTHERWISE).

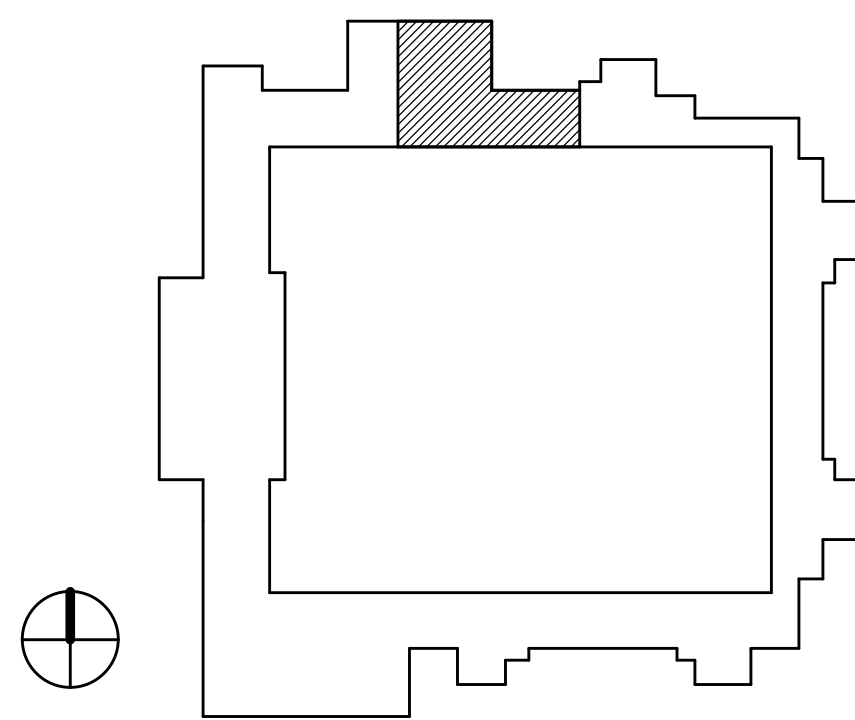
FINISH LEGEND

- ACCENT PAINT
- INSTALL DIRECTION
- KEYNOTE
- FLOORING TRANSITION
- FLOORING TAG
FLOORING MATERIAL
WALLBASE MATERIAL
- FINISHES
- NO WORK IN THIS AREA
- CUT THROUGH BUILDING
- WOOD MATERIAL, REF FINISH KEY
- METAL PANELS, REF FINISH KEY
- STUCCO, REF FINISH KEY

FINISH KEY

- | | |
|------|-------------------|
| CPT# | CARPET |
| CT# | CERAMIC TILE |
| GL# | SPANDREL GLASS |
| LN# | LINOLEUM FLOORING |
| MT# | METAL PANEL |
| PF | WALL PAINT |
| RB | RUBBER BASE |
| ST# | STUCCO |

KEY PLAN



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RENOVATION
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2630 N PACIFIC HWY. WOODBURN, OR 97071



ISSUE DATE: 06.27.2025

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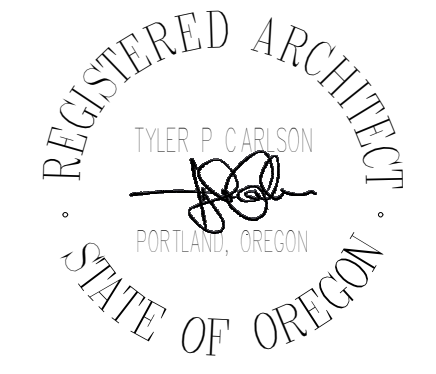
1 County Comments 08/19/2025

ENLARGED FINISH PLAN
- STORAGE AREA

A2.52

PROJECT NO.: 25015

CLARK KJOS ARCHITECTS, LLC
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503.224.4848



CONSTRUCTION DOCUMENTS

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CONSTRICTION DOCUMENTS

A3.11

PROJECT NO.: 25015

1. ALL CEILING HEIGHTS ARE RELATIVE TO TOP OF SLAB OR SURFACING, U.N.O.
2. REF. ELECTRICAL AND MECHANICAL PLANS FOR LOCATIONS OF FIXTURES AND EQUIPMENT.
3. FIELD VERIFY EXISTING CEILING LAYOUTS PRIOR TO ANY WORK.
4. SUSPENSION SYSTEMS FOR NEW AND EXISTING SUSPENDED GYPSUM BOARD CEILING SHALL BE MODIFIED TO FRAME AROUND CEILING HUNG PANELS. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
5. INSTALL BLOCKING AND BACKING FOR WINDOW COVERING TRACKS.
6. REMOVE EXISTING CEILINGS WHERE NEW CEILINGS ARE SHOWN TO BE INSTALLED.
7. FOR TOP OF WALL DETAILS AND HEIGHT OF GYP BOARD ON WALLS, SEE PLANS, PARTITION TYPES, AND DETAILS.
8. RESERVE CEILING FIXTURES ARE TO MAINTAIN RATINGS WHERE LOCATED UNLESS OTHERWISE NOTED.

11" ← CEILING MATERIAL
9'-0" ← CEILING TAG
CEILING HEIGHT

GYPSUM BOARD CEILING

ACT-1: "2x2"

2 x 4 DROP-IN
FIXTURE

2 x 4 SURFACE
MOUNTED FIXTURE

2 x 2 DROP-IN
FIXTURE

C-7 ACCESS PANEL

RECESSED DOWNLIGHT

2 x 2 DROP-IN
SUNTUNNEL DIFFUSER

MECHANICAL RETURN

MECHANICAL EXHAUST

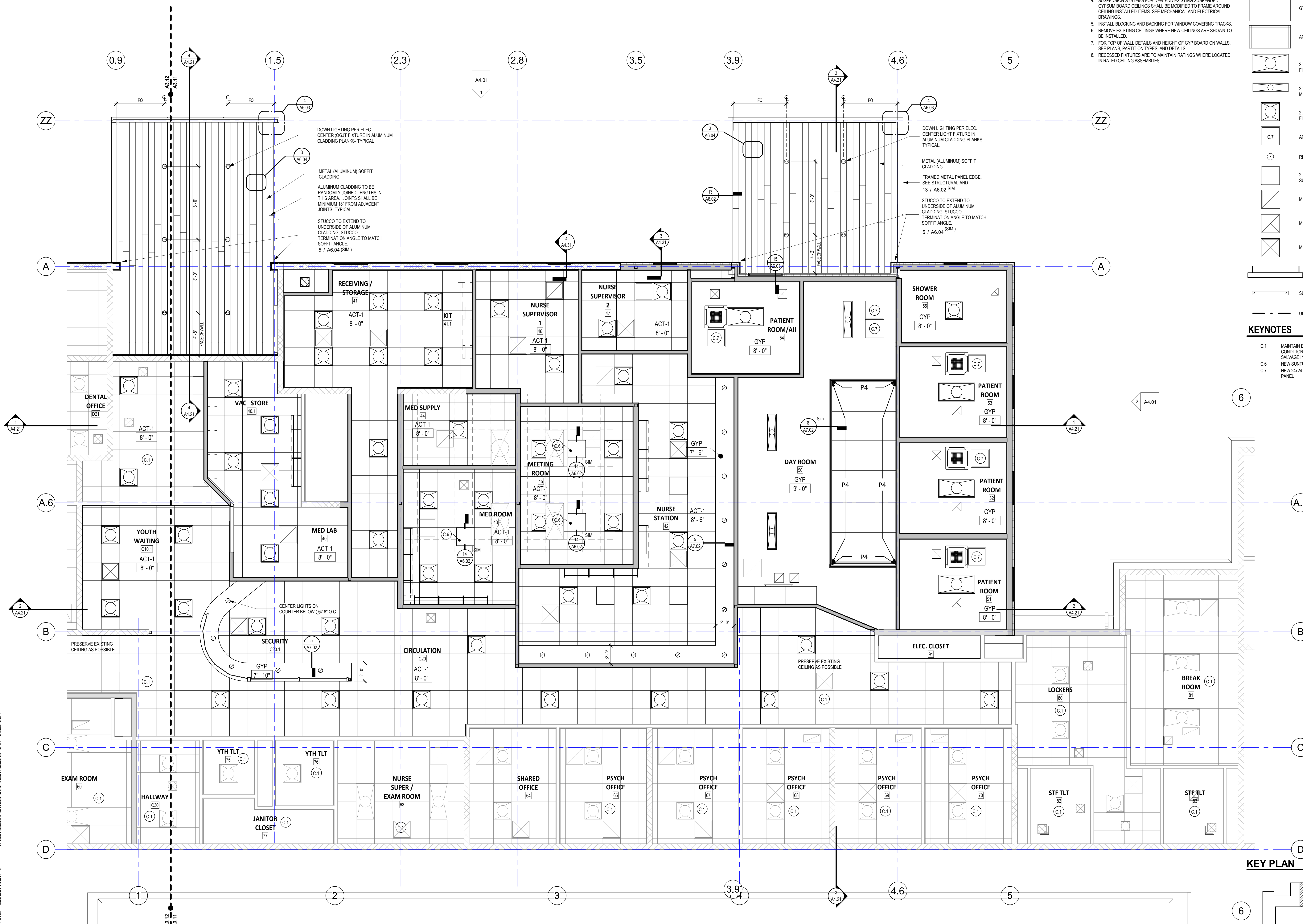
MECHANICAL SUPPLY

WALL MOUNTED LINEAR
DIRECT / INDIRECT

SUSPENDED LINEAR LIGHTING

UNDERCABINET LIGHT

C.1	MAINTAIN EXISTING CEILING. NOTIFY ARCHITECT OF CONDITIONS REQUIRING ADDITIONAL REMEDIATION AS SALVAGE IN-SITU IS INTENDED
C.6	NEW SUNTUNNEL DIFFUSER
C.7	NEW 24x24 LOCKING (MEDIUM SECURITY) ACCESS PANEL



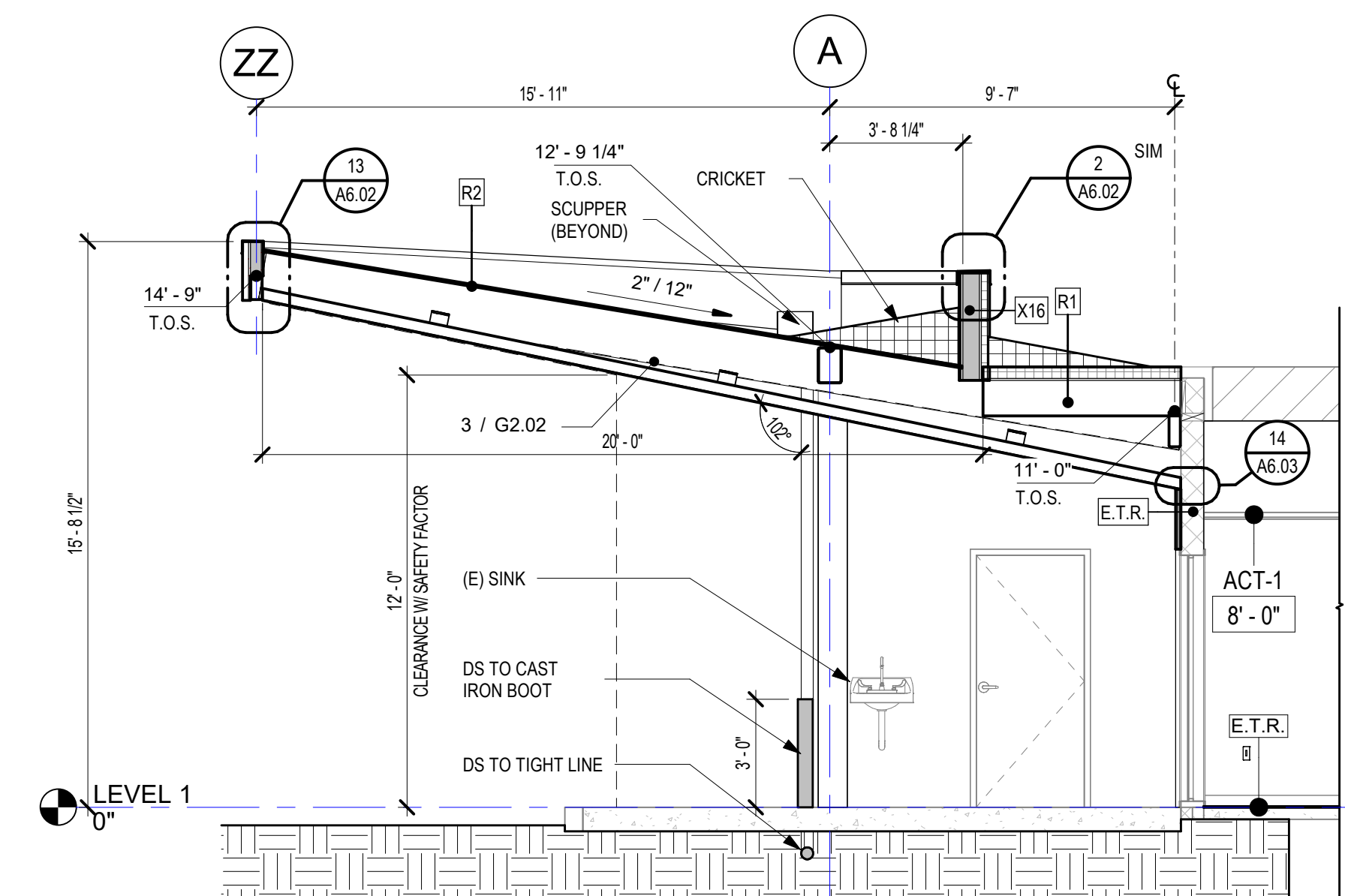
1
A3.11

ENLARGED RCP - INFIRMARY

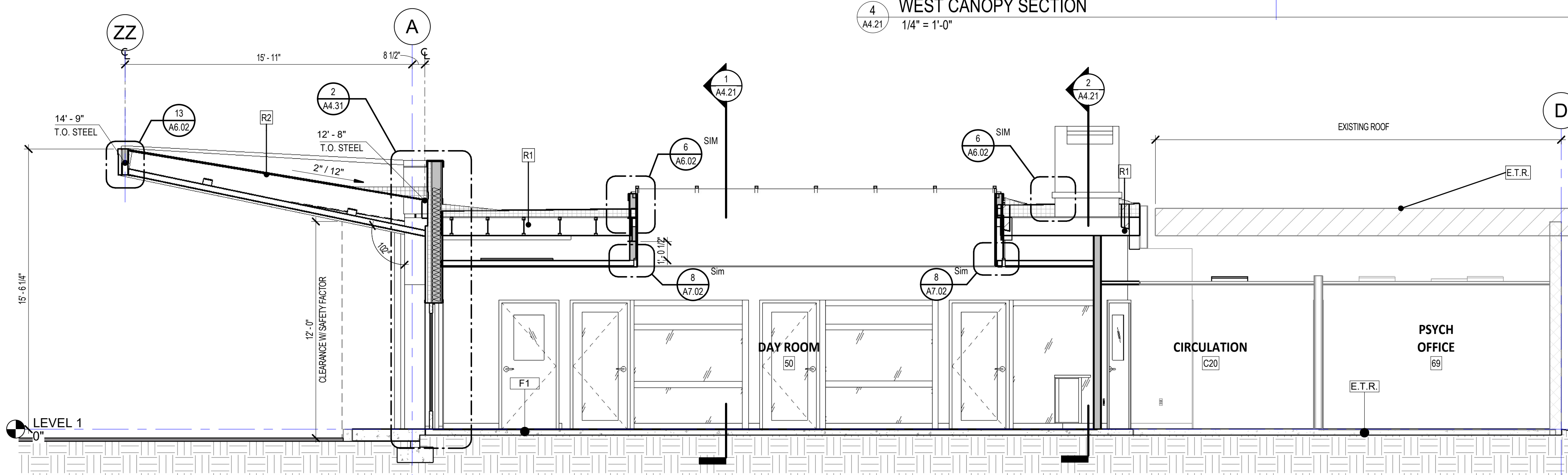
1/4" = 1'-0"

GENERAL NOTES: SECTIONS

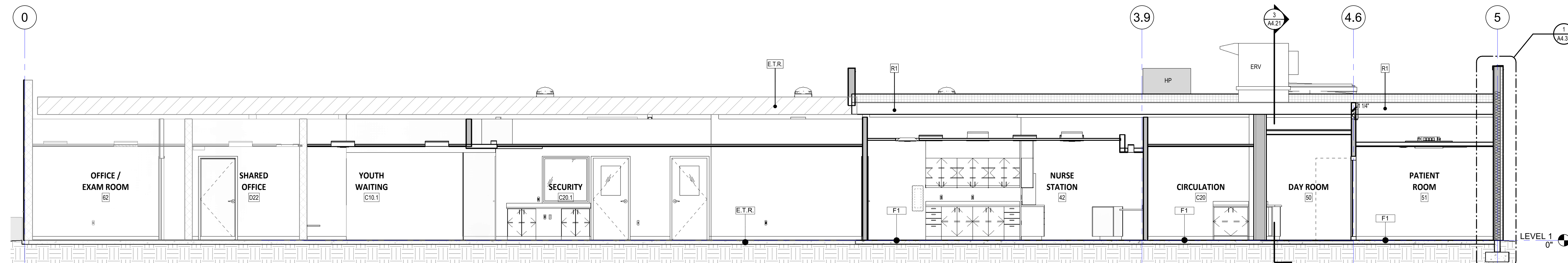
1. REFER TO ASSEMBLIES AND DETAILS FOR MORE SPECIFIC INFORMATION
2. PROVIDE AND INSTALL BLOCKING, BRACING AND SUPPORT FOR CABINETS, TOILET ACCESSORIES, H.V.A.C., PLUMBING, ELECTRICAL EQUIPMENT AND ALL APPLICABLE REQUIREMENTS INCLUDING BLOCKING AND BRACING OF ALL APPLICABLE EQUIPMENT FOR STAIRS AND ANY OTHER FIXTURES OR EQUIPMENT REQUIRING SUPPORT, BLOCKING OR BRACING. PROVIDE BRACING PLATE DETAILS FOR ADDITIONAL INFORMATION.
3. ALL ROOF AND WALL PENETRATIONS TO MAINTAIN FIRE RATING TO BE INSTALLED PER MANUFACTURERS' SPECIFIC INSTRUCTIONS.
4. COORDINATE 0.6" SOFFITS WITH TRIM PACKAGE AND FINISH CONDITIONS.
5. REF. WINDOW SCHEDULE & DETAILS FOR SILL AND HEAD CONDITIONS.
6. REF. STRUCTURAL DRAWINGS FOR ALL FOOTING, SLAB AND BEAM INFORMATION.
7. THROUGH-WALL COUNTERFLASHING SHALL BE APPROPRIATE TWO-PIECE PREFINISHED GALVANIZED STEEL METAL PER S.A.E. C-100, MANUAL FIG. 4-4 D UNO.
8. ALL PENETRATION FIRESTOP ASSEMBLIES SHALL BE RATED TO MATCH THE RATING OF THE WALL THEY PENETRATE. S IN RATED WALLS, FLOORS AND ROOFS SHALL HAVE FIRE STOPPING TO MATCH THE RATING OF THE WALL ASSEMBLY.
9. GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE EXCLUSION OF NOTES LISTED ELSEWHERE. THIS DOCUMENT IS THE SUPPLEMENTARY AND NOTES LISTED ON OTHER SHEETS MAY HAVE BEARING/APPLICATION TO WORK SHOWN ON THIS SHEET.



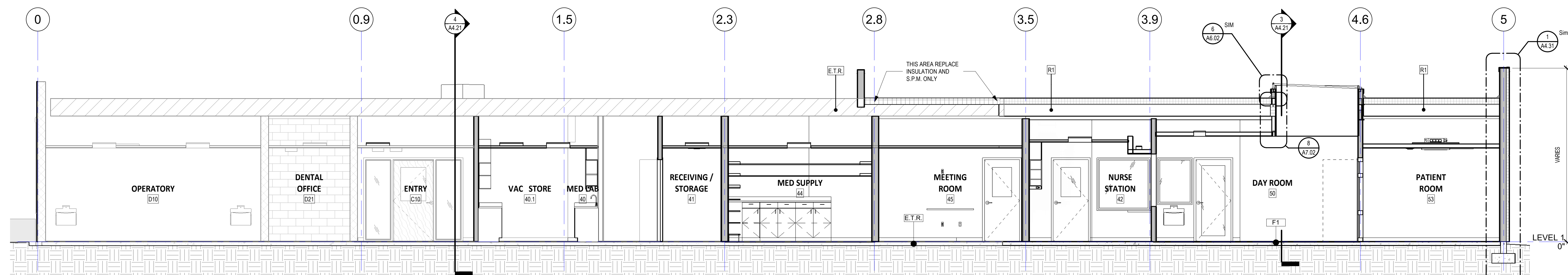
4 WEST CANOPY SECTION
A4.21 1/4" = 1'-0"



3 ADDITION SECTION (N/S)
A4.21 $1/4" = 1'-0"$



2 BUILDING SECTION 02 (E/W)
A4.21 1/4" = 1'-0"



1 BUILDING SECTION 01 (E/W)
A4.21 1/4" = 1'-0"

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY
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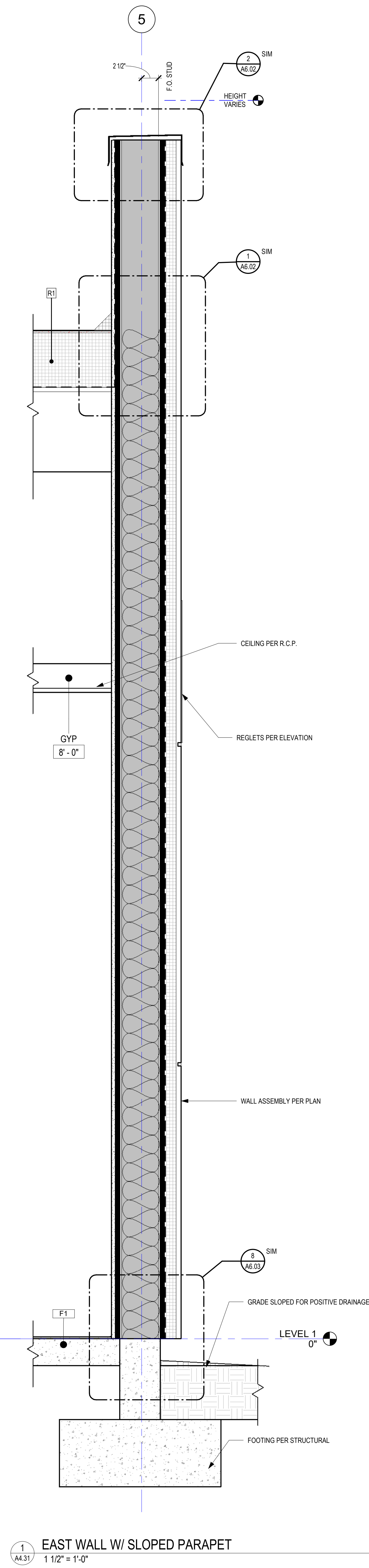
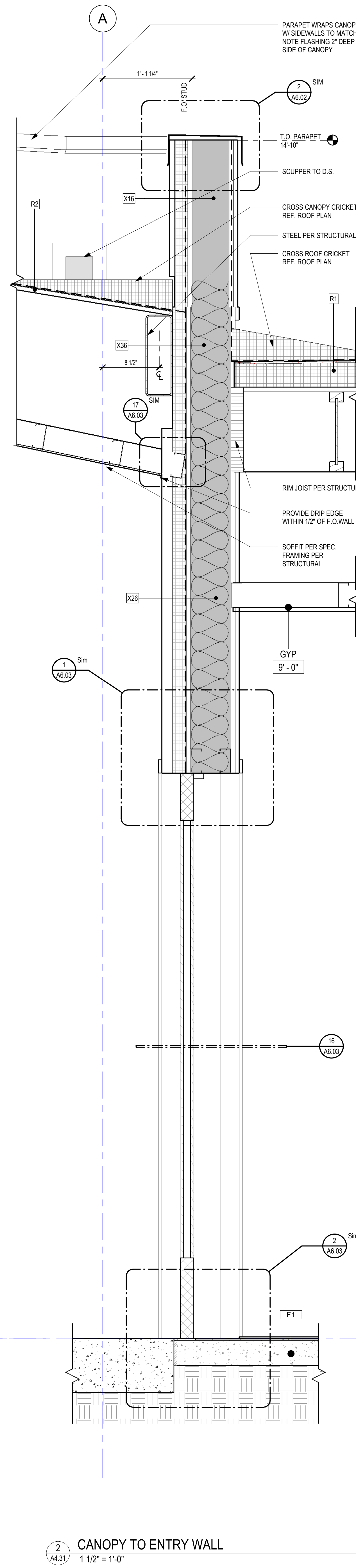
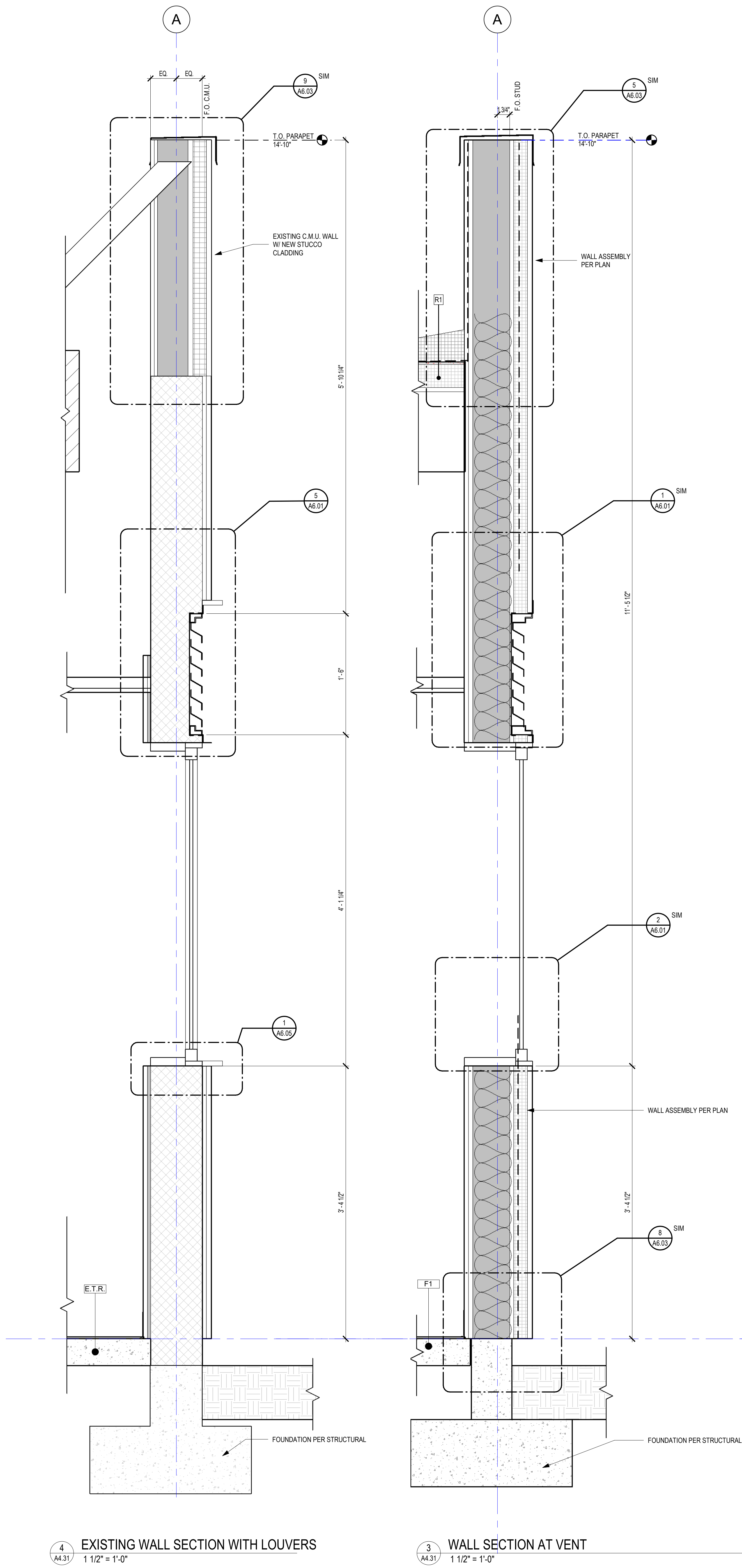
3/2023

BUILDING SECTIONS

A4.21

PROJECT NO.: 25015

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C:\Users\williamr\Documents\Revit 2023\MacLaren - 2107_williamr.rvt



GENERAL NOTES: SECTIONS

- REFER TO ASSEMBLIES AND DETAILS FOR MORE SPECIFIC INFORMATION.
- PROVIDE AND INSTALL BLOCKING, BRACING AND STRAPPING FOR CABINETS, TOILET ACCESSORIES, H.V.A.C., PLUMBING, ELECTRICAL EQUIPMENT AND ALL ADAPTABLE REQUIREMENTS INCLUDING BLOCKING FOR PLACEMENT OF ADA GRAB BARS, BLOCKING FOR STAIRS AND ANY OTHER FIXTURES OR EQUIPMENT REQUIRING SUPPORT BLOCKING OR BRACING. REFERENCE BACKING PLATE DETAILS FOR ADDITIONAL INFORMATION.
- ALL ROOF AND WALL PENETRATIONS TO MAINTAIN FIRE RATING AND TO BE INSTALLED PER MANUFACTURER'S SUGGESTED INSTRUCTIONS.
- COORDINATE B.O. SOFFITS WITH TRIM PACKAGE INSTRUCTIONS.
- REF. WINDOW SCHEDULE DETAILS FOR SILL AND HEAD CONDITIONS.
- REF. STRUCTURAL DRAWINGS FOR ALL FOOTING, SLAB AND STEM WALL INFORMATION.
- THROUGH-WALL COUNTERFLASHING SHALL BE APPROPRIATE TWO-PIECE PREFINISHED GALVANIZED STEEL SHEET METAL PER S.M.A.C.N.A. MANUAL FIG 4-4D U.N.O.
- ALL PENETRATION FIRESTOP ASSEMBLIES SHALL MATCH THE RATINGS OF THE ASSEMBLIES THEY PENETRATE. S IN RATED WALLS, FLOORS AND ROOFS SHALL HAVE FIRE-STOPPING TO MATCH THE RATING WITHIN THAT WALL ASSEMBLY.
- GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE EXCLUSION OF NOTES LISTED ELSEWHERE. THIS DOCUMENT SET IS MEANT TO BE COMPLEMENTARY, AND NOTES LISTED ON OTHER SHEETS MAY HAVE BEARING APPLICATION TO WORK SHOWN ON THIS SHEET.

**MacLAREN INFIRMARY & PHARMACY
RENOVATION**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY, WOODBURN, OR 97071



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1 County Comments 08/19/2025

WALL SECTIONS

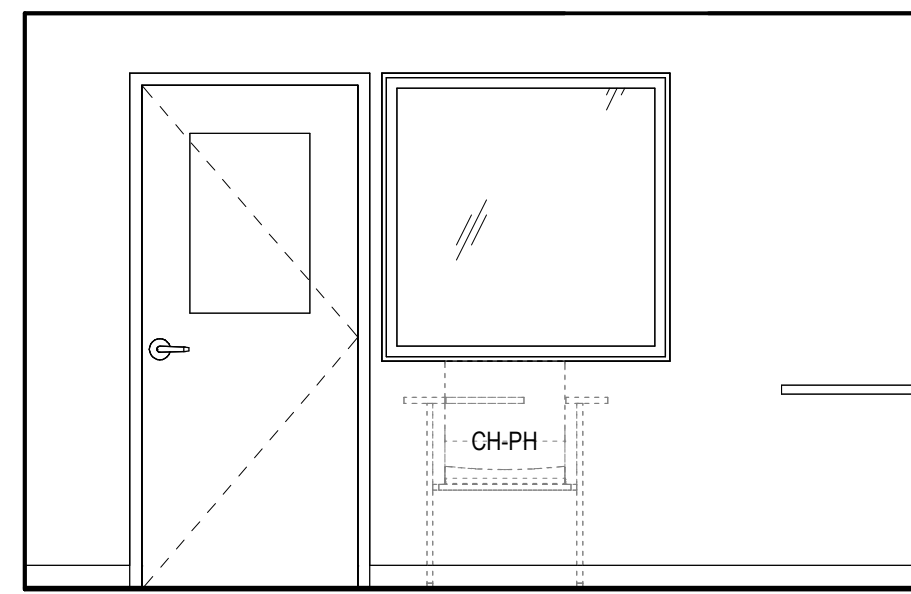
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PROJECT NO.: 25015

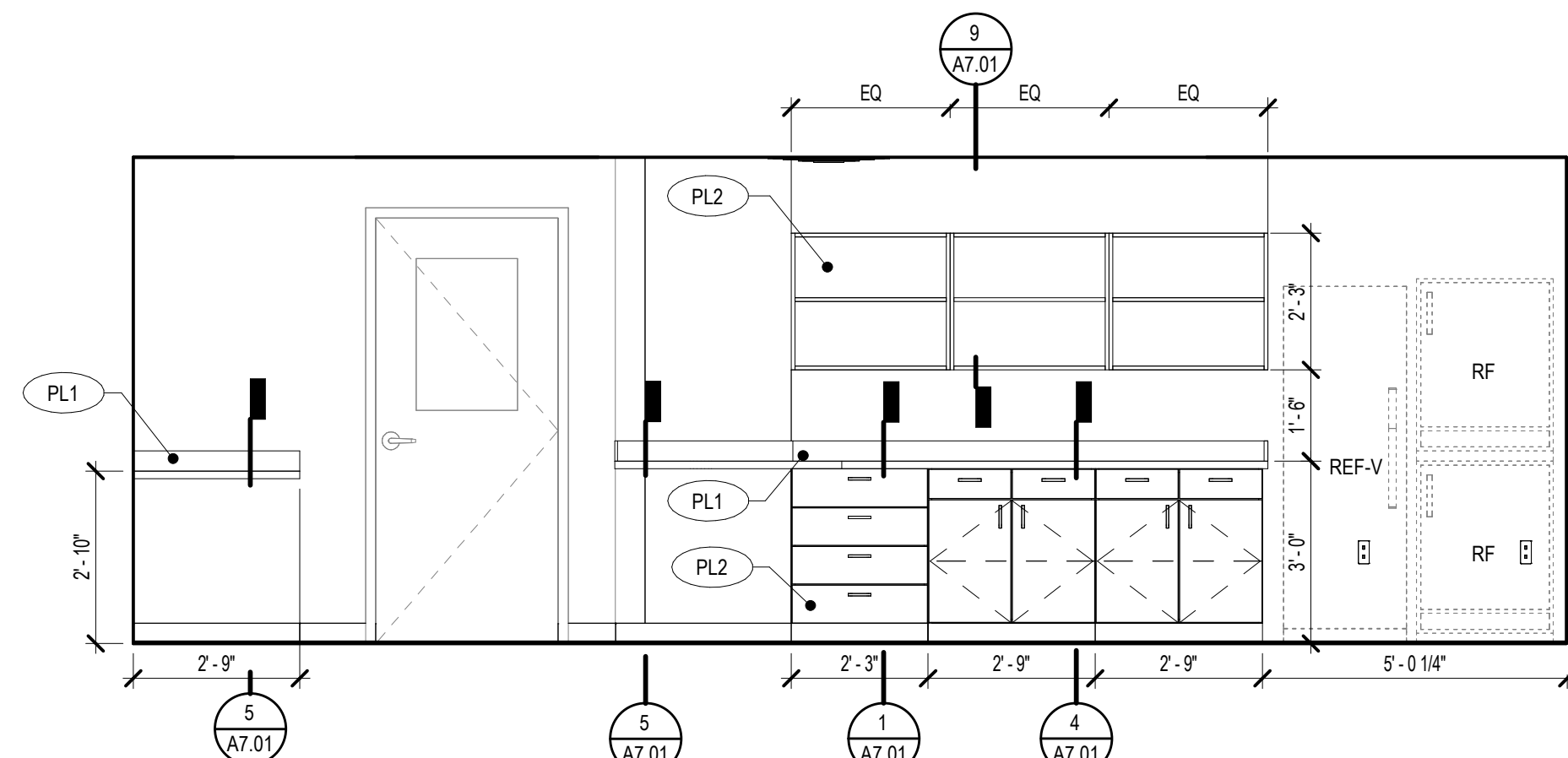
CONSTRUCTION DOCUMENTS

CLARK KJOS
ARCHITECTS, LLC
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503.224.4848

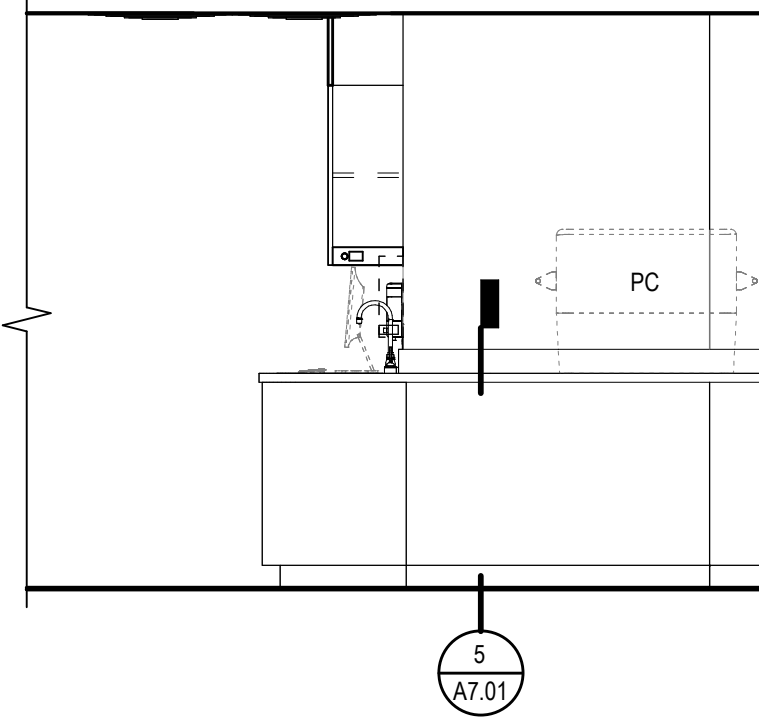




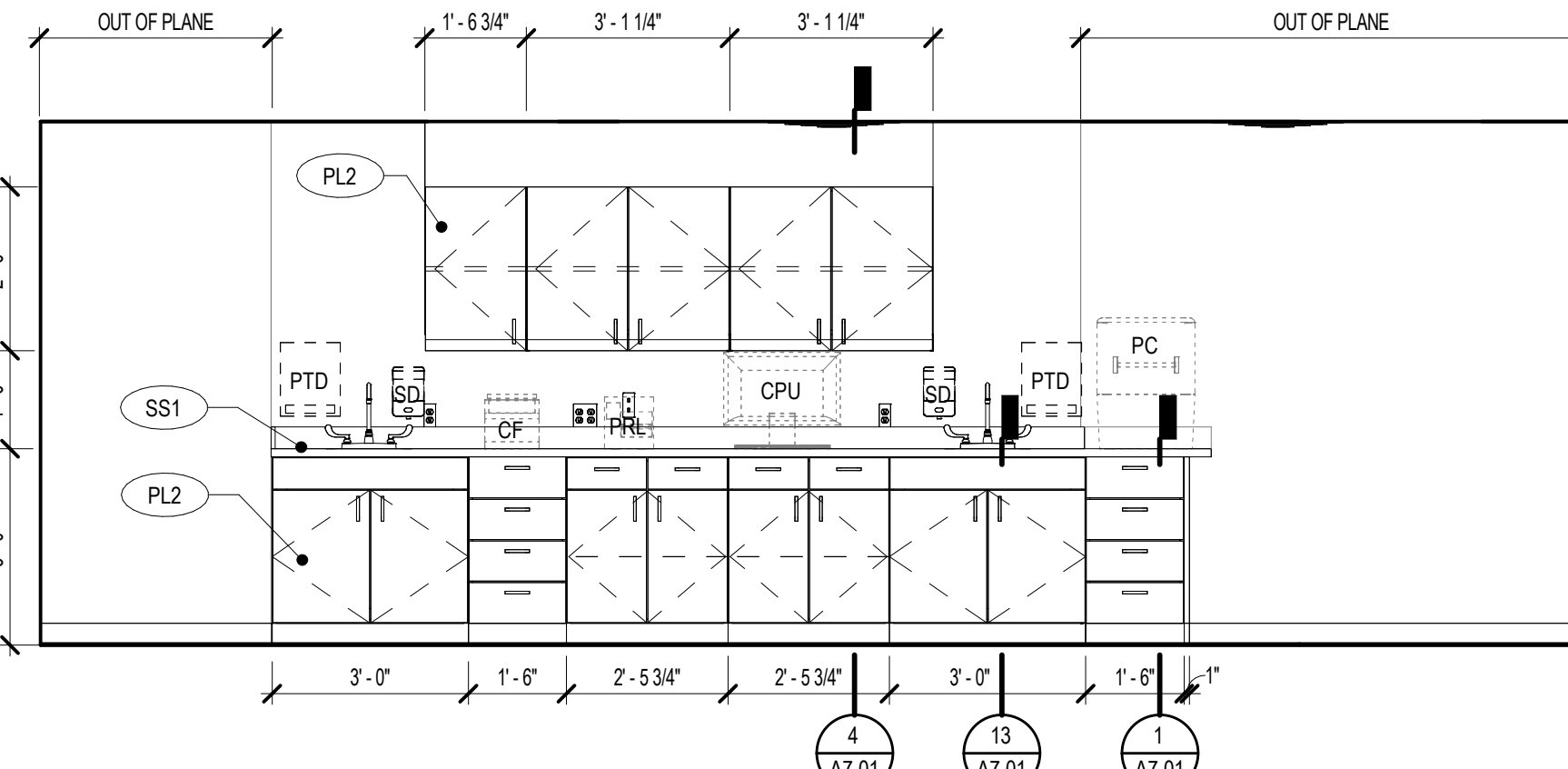
4 MEDICAL LAB (S)
3/8" = 1'-0"



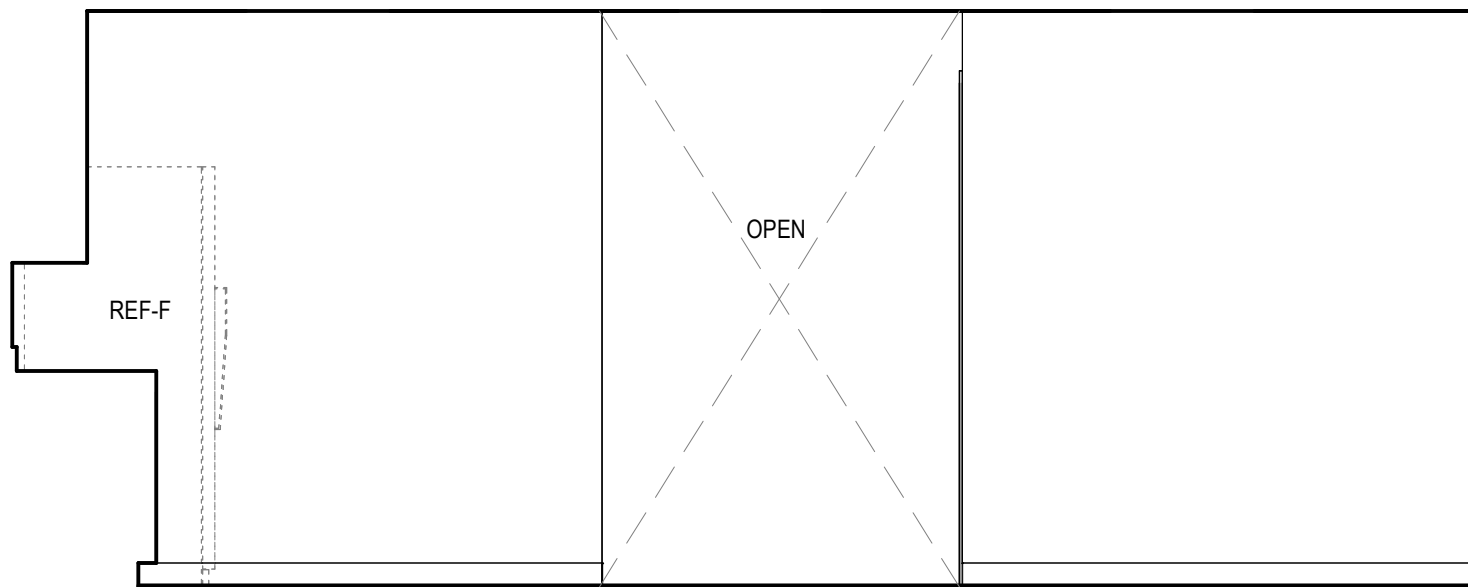
3 MEDICAL LAB / VAC STORE (W)
3/8" = 1'-0"



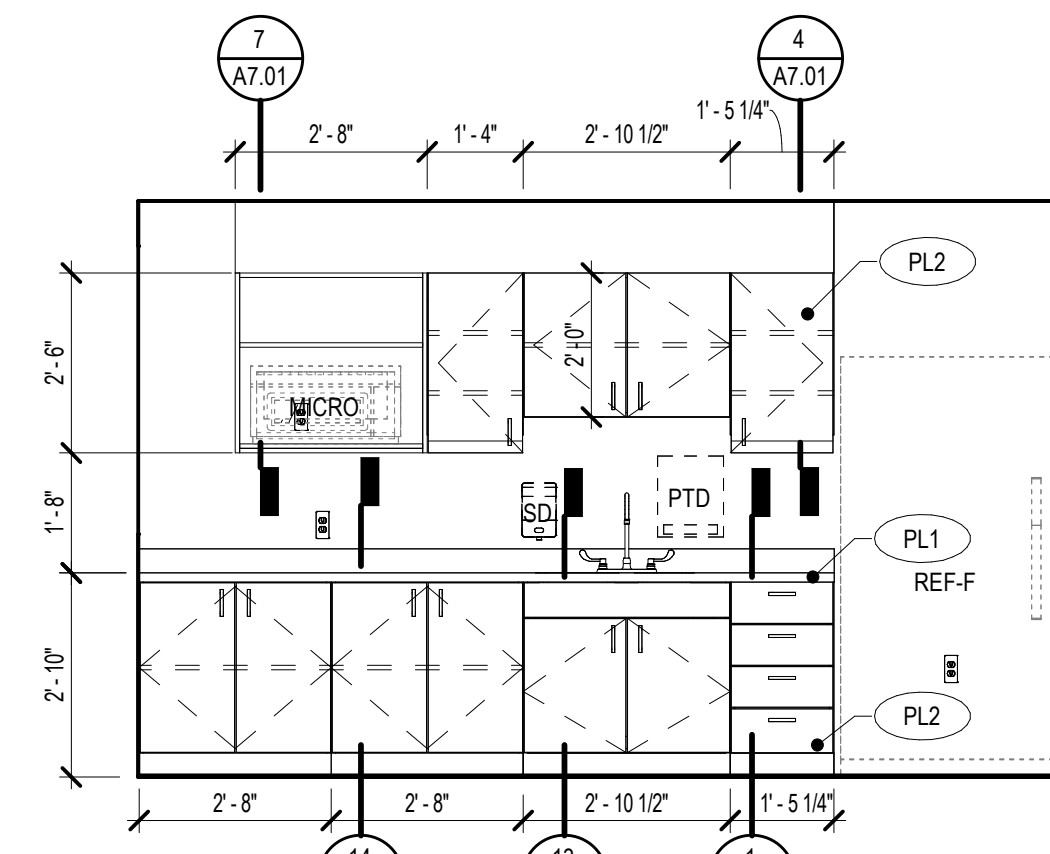
2 MEDICAL LAB (N)
3/8" = 1'-0"



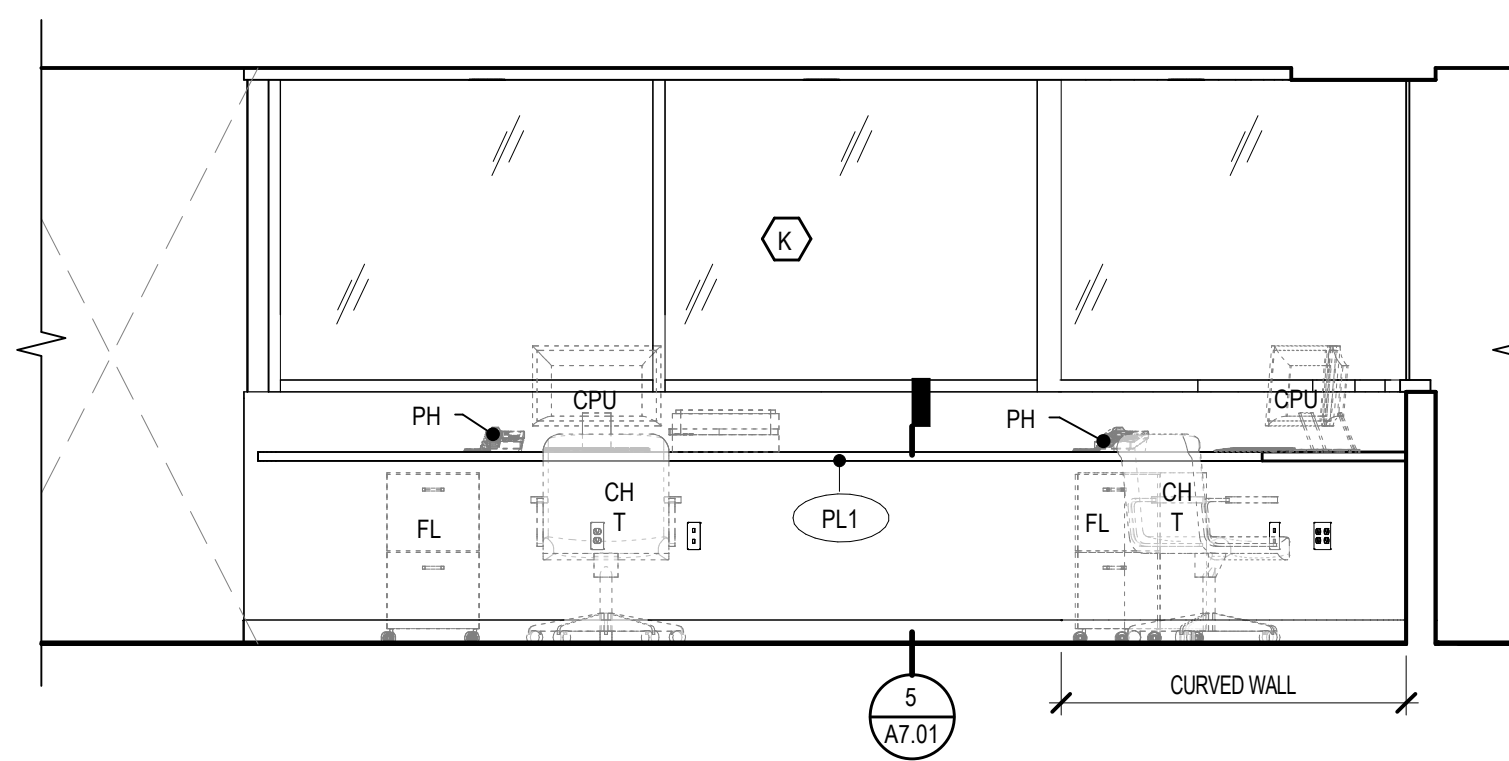
1 MEDICAL LAB (E)
3/8" = 1'-0"



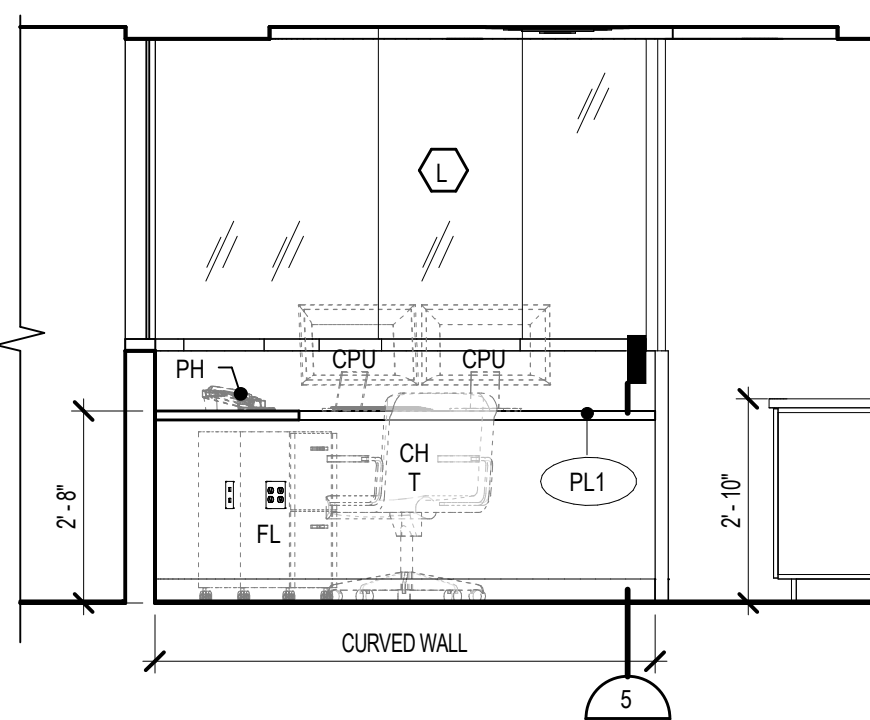
6 RECEIVING/STORAGE (S)
3/8" = 1'-0"



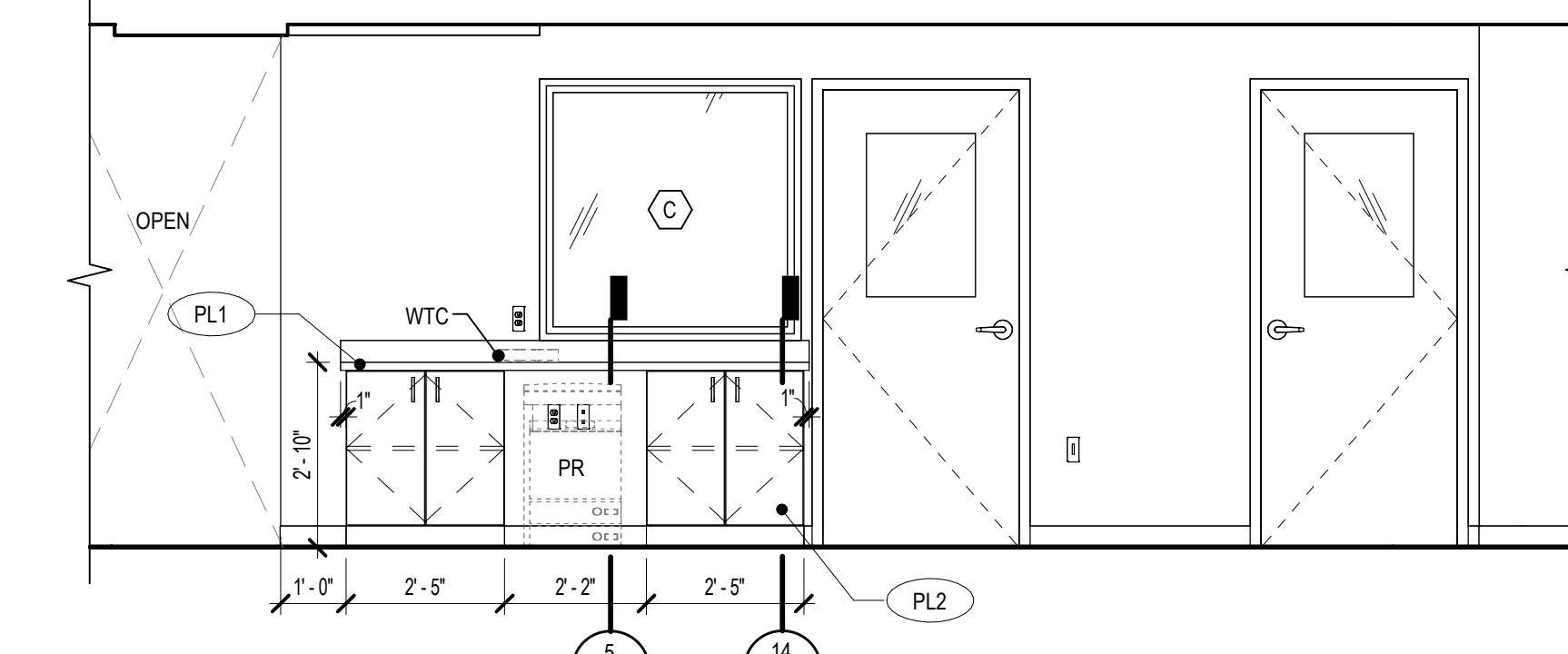
5 KITCHENETTE (E)
3/8" = 1'-0"



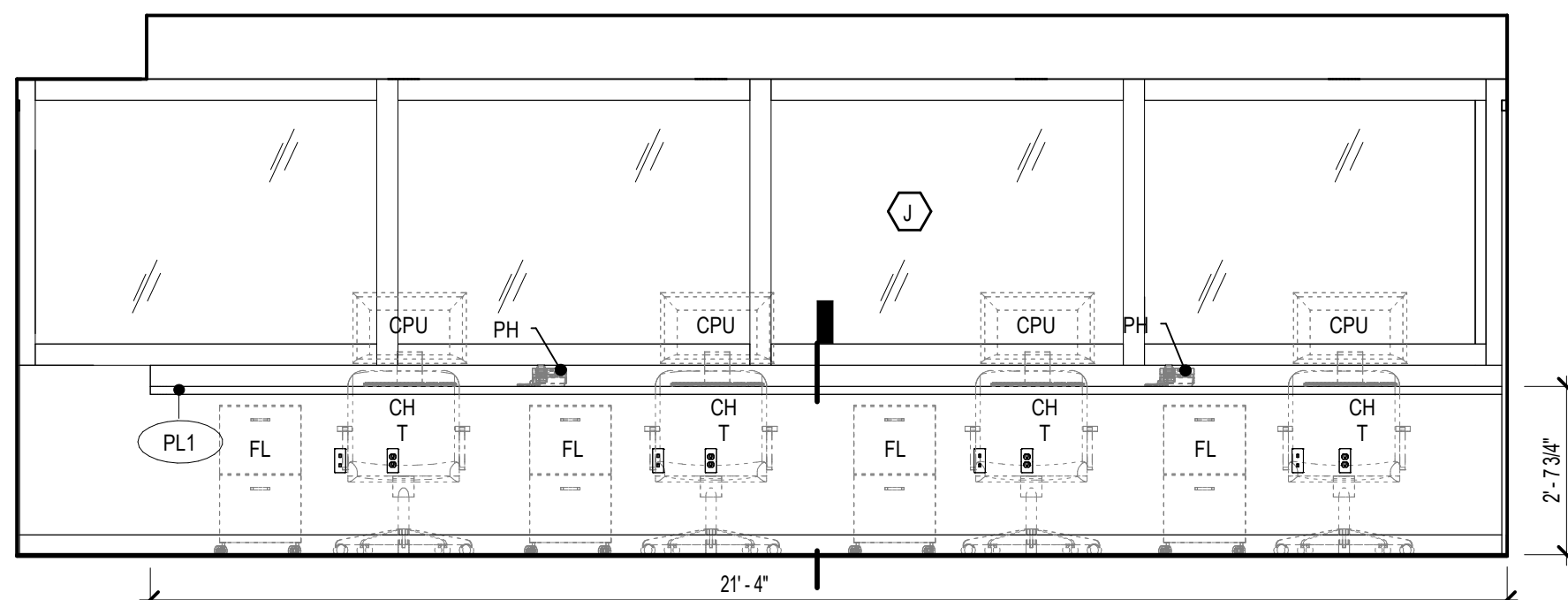
10 SECURITY (S)
3/8" = 1'-0"



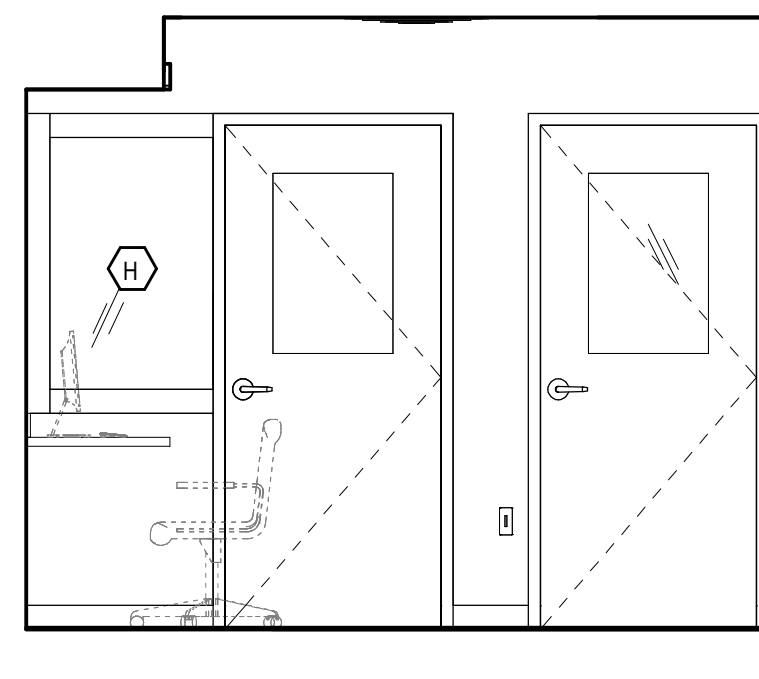
9 SECURITY (W)
3/8" = 1'-0"



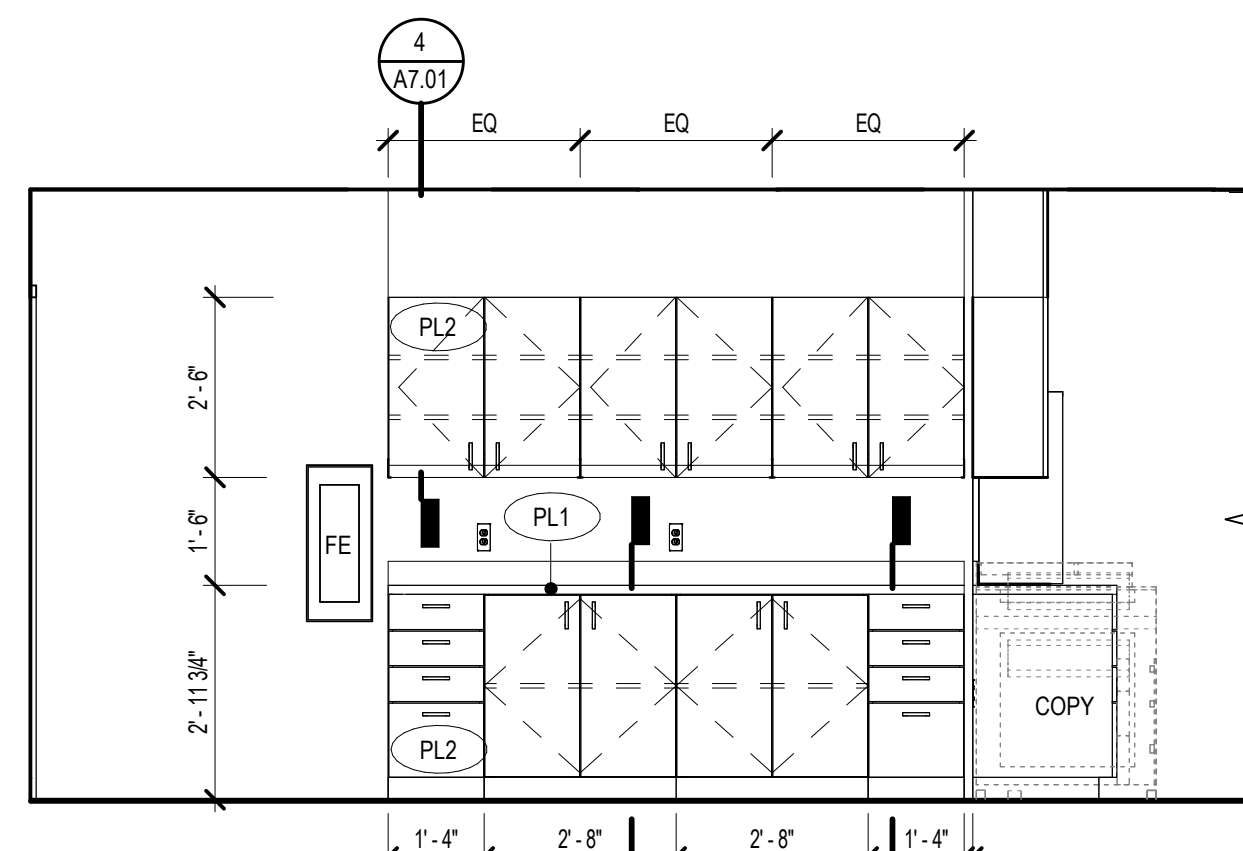
8 SECURITY (N)
3/8" = 1'-0"



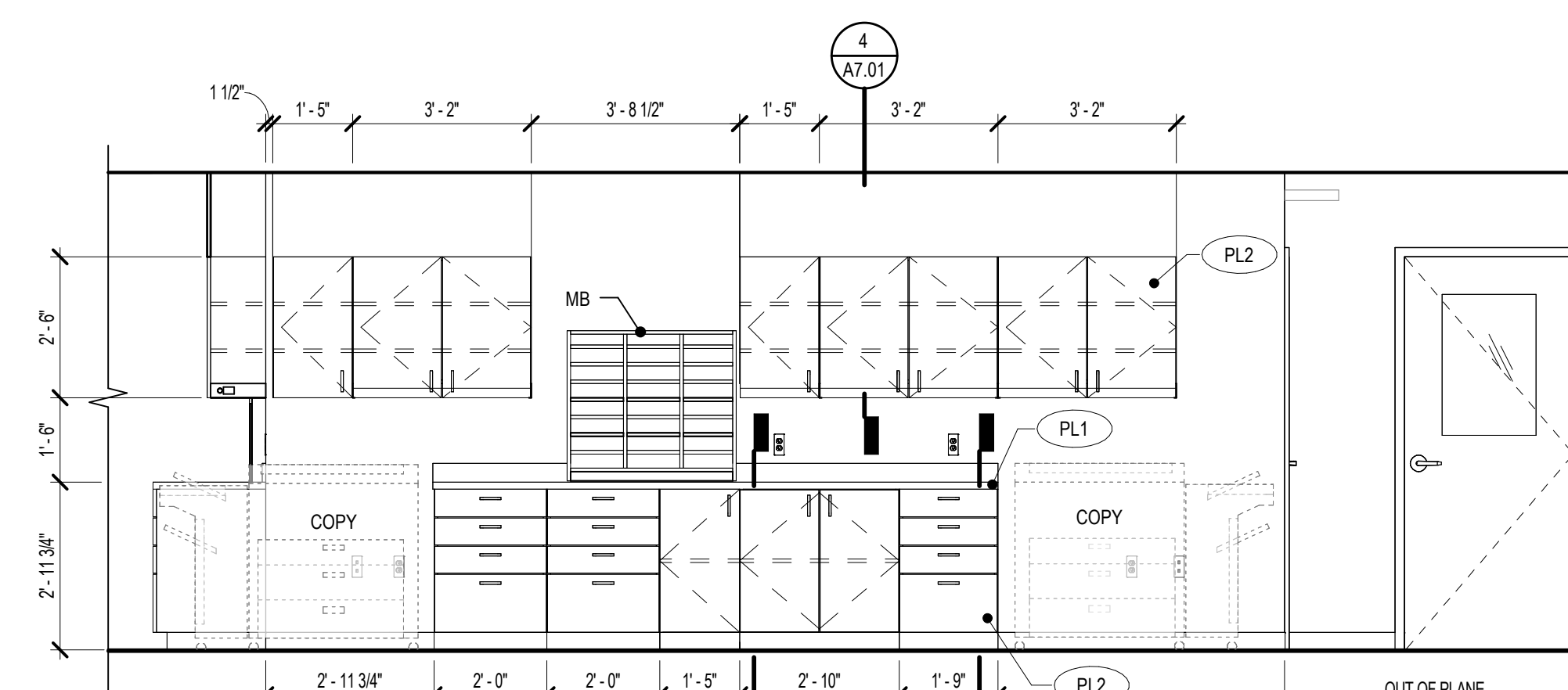
13 NURSE STATION (S)
3/8" = 1'-0"



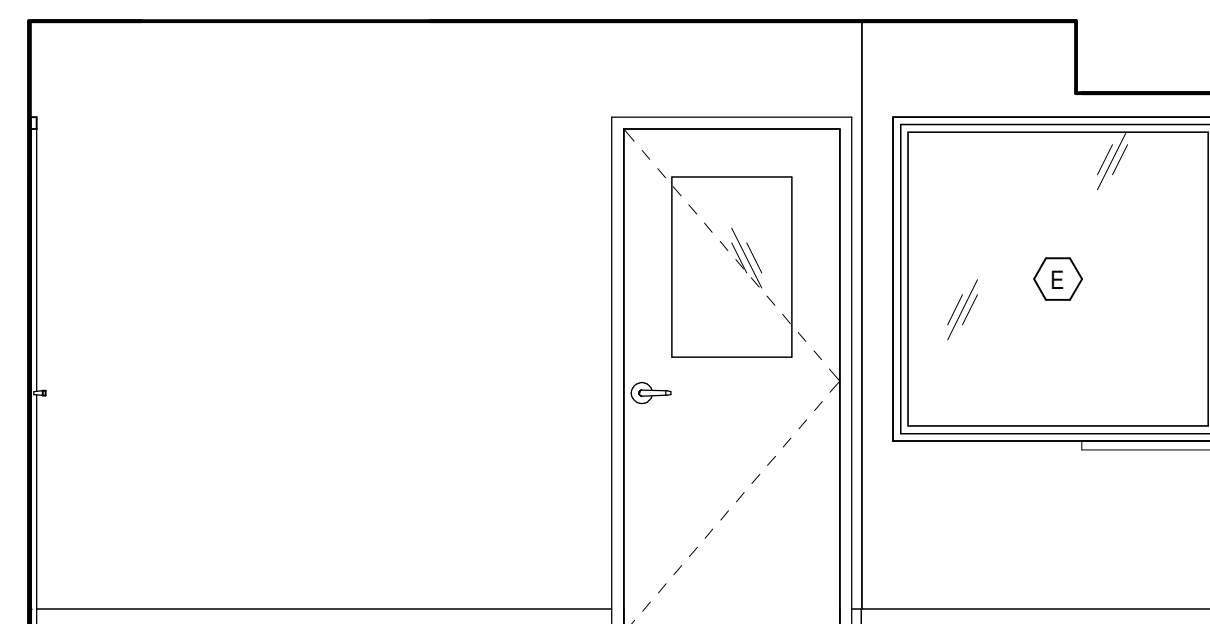
7 NURSE STATION (W1)
3/8" = 1'-0"



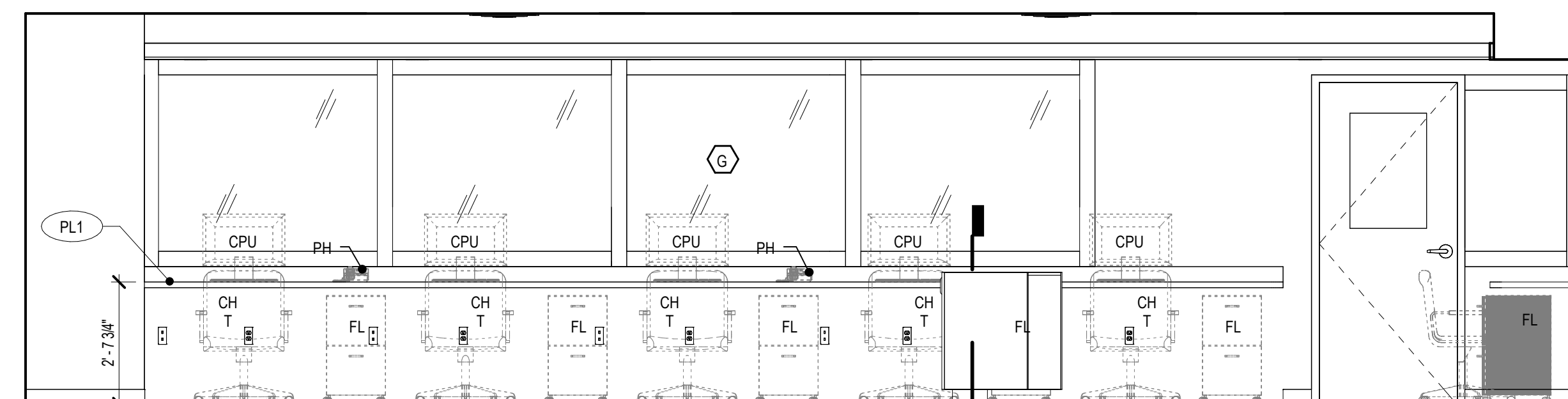
12 NURSE STATION (N)
3/8" = 1'-0"



11 NURSE STATION (W)
3/8" = 1'-0"



17 NURSE STATION (N1)
3/8" = 1'-0"



14 NURSE STATION (E)
3/8" = 1'-0"

GENERAL NOTES

1. CABINETMAKER SHALL COORDINATE WITH OTHER TRADES, VENDORS AND OWNER FOR ITEMS INSTALLED IN AND AROUND CABINETS.
2. GROMMETS AND ELECTRICAL OUTLETS: INSTALL GROMMETS IN COUNTERTOPS FOR ALL UNDER-COUNTER OUTLETS AS FOLLOWS:
 - 1 1/2" DIA. GROMMET FOR UP TO 2 OUTLETS
 - 2 1/2" DIA. GROMMET FOR UP TO 4 OUTLETS
3. COORDINATE MOUNTING HEIGHTS FOR ALL SIGNAGE, EQUIPMENT AND FIXTURES WITH STANDARD MOUNTING HEIGHT DRAWING.
4. PRIOR TO COVERING WALL, BACKING SHALL BE PROVIDED TO ACCOMMODATE ALL HUNG ITEMS AND ACCESSORIES CALLED FOR ON THE CONSTRUCTION DOCUMENTS. SUCH ITEMS CONSIST OF, BUT ARE NOT LIMITED TO: UPPER CABINETS, STORAGE SHELVING, TELEVISIONS, COMPUTER MONITORS, LAVATORY ACCESSORIES, AND FUTURE INSTALLATION OF GRAB BARS AT THE SIDES OF WALL CLOSETS.
5. ALL WALLBASES WILL BE RB1, U.N.O.

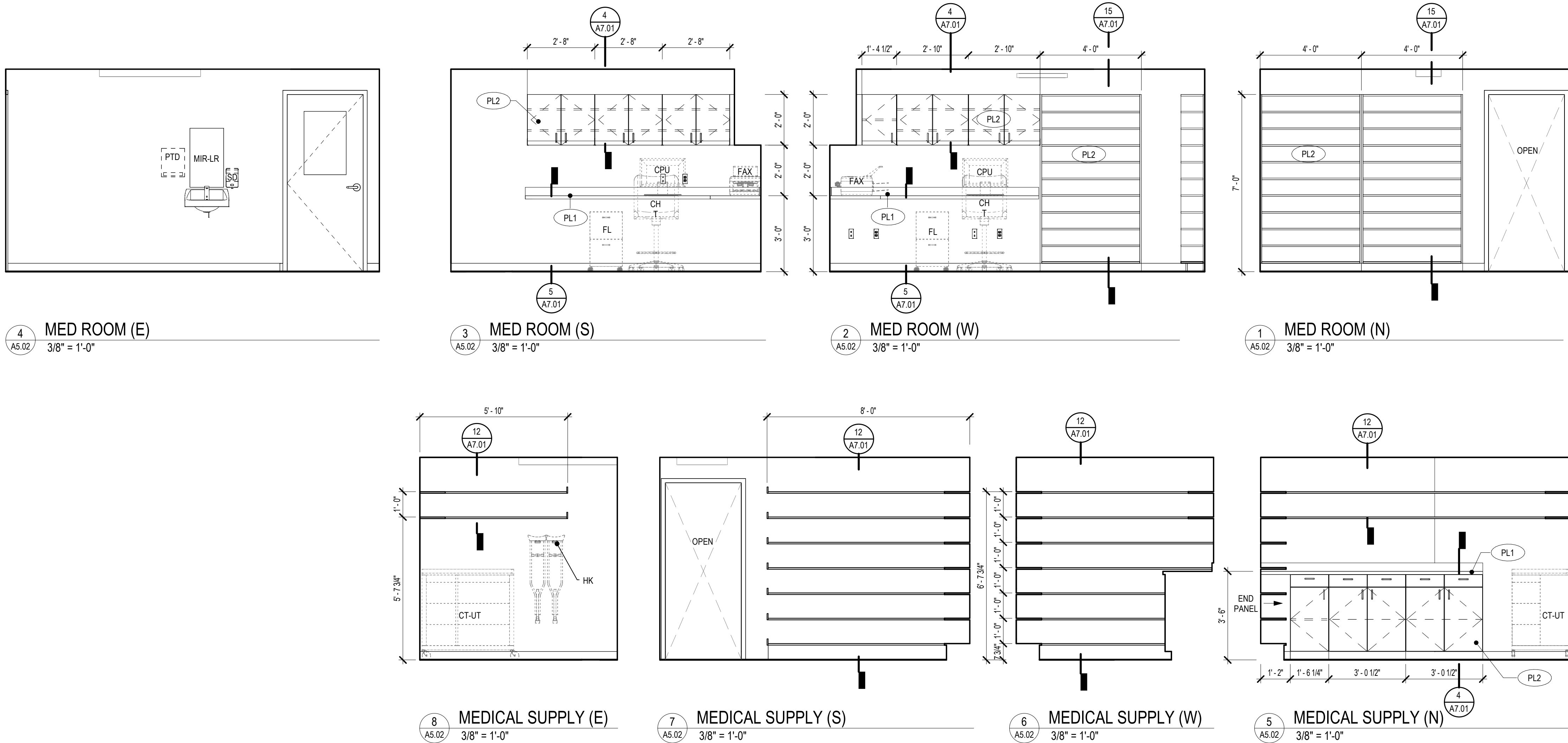
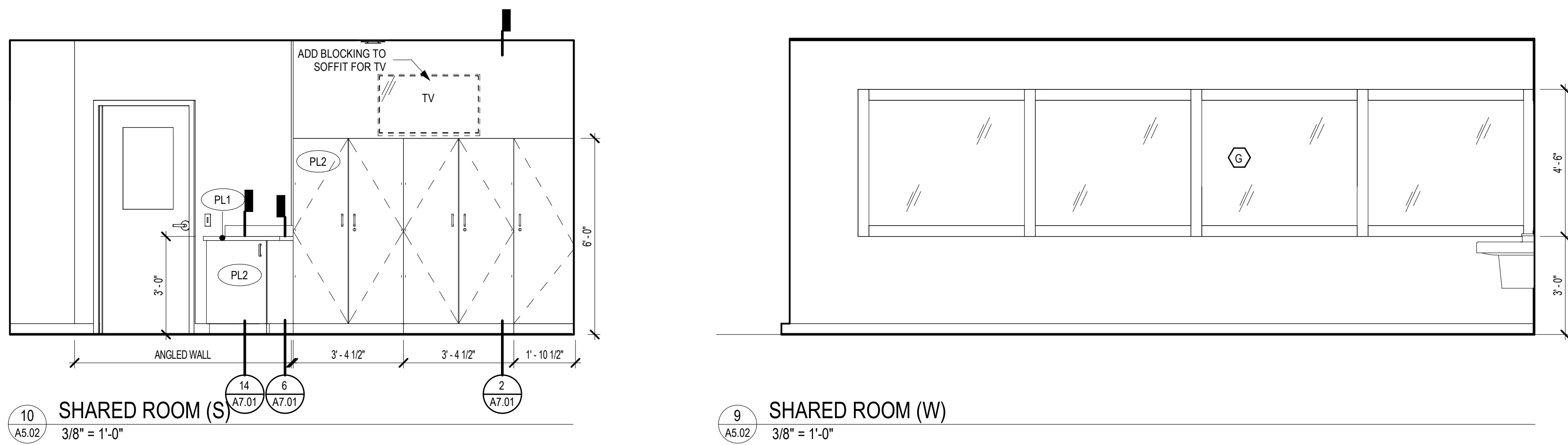
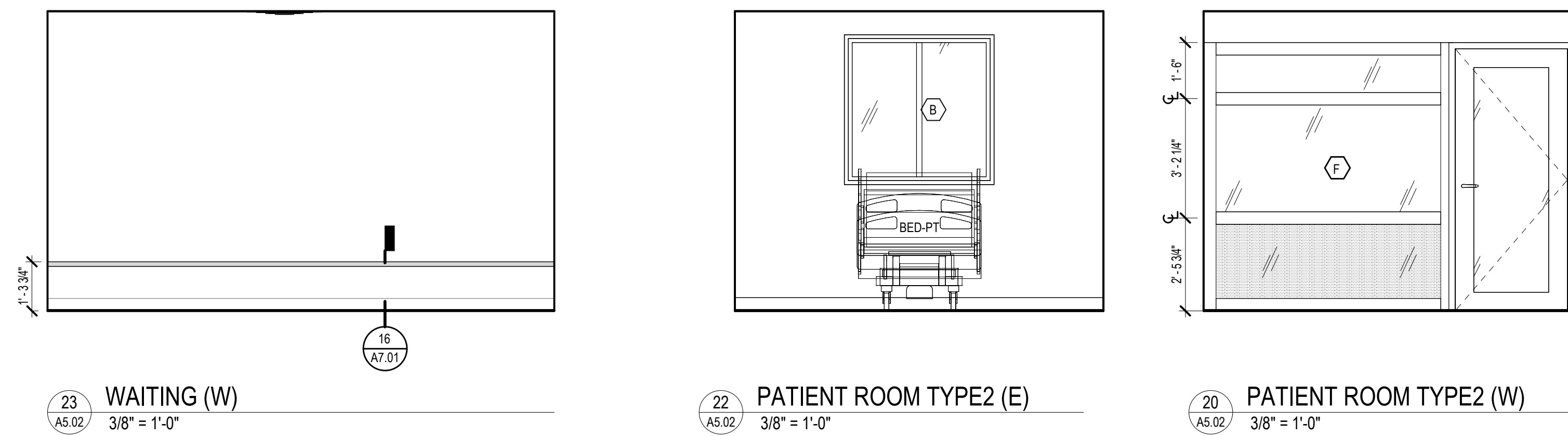
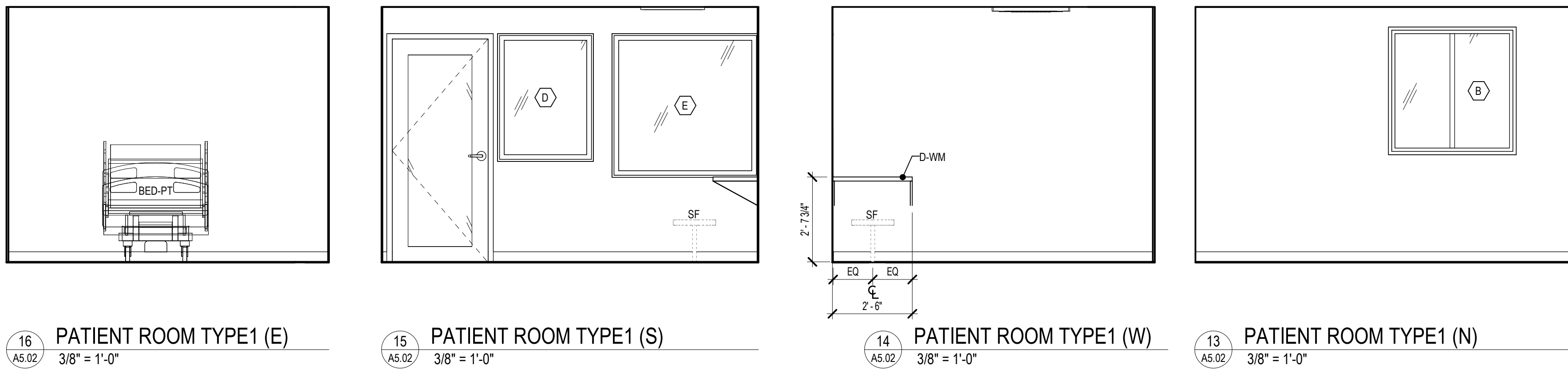
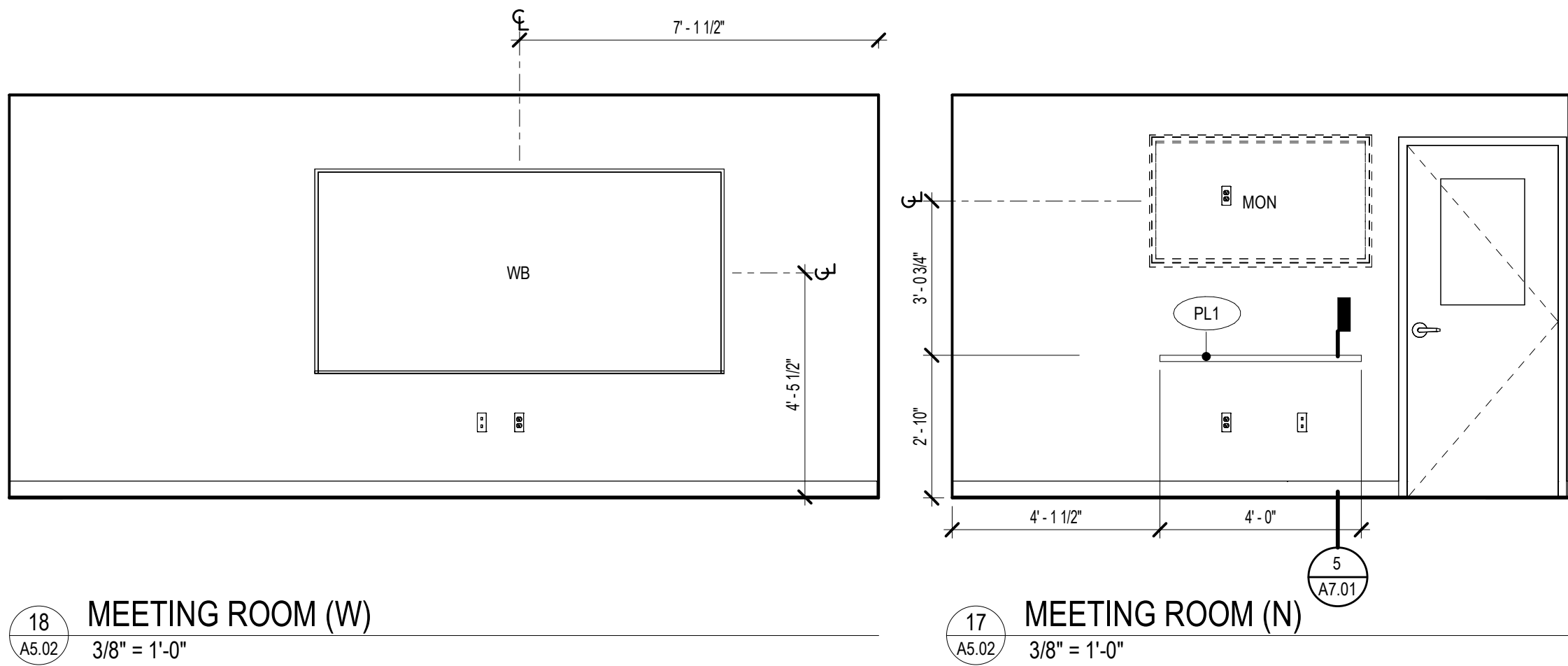
EQUIPMENT LEGEND

TAG	DESCRIPTION	OFOI	OFCI	CFCI	(E)/NEW
BED-PT	PATIENT BED			X	NEW
BHC	BEHAVIOR HEALTH CHAIR			X	NEW
BHT	BEHAVIOR HEALTH TABLE			X	NEW
CF	CENTRIFUGE	X			(E)
CH C	CONFERENCE CHAIR			X	NEW
CH C	CONFERENCE CHAIR			X	NEW
CH T	TASK CHAIR	X			NEW
COPY	FLOOR-MOUNTED COPY/PRINTER	X			(E)
CPU	COMPUTER	X			(E)
CT-UT	UTILITY CART	X			(E)
D	SIT/STAND DESK	X			NEW
DS	DOCUMENT SCANNER	X			(E)
FAX	FAX MACHINE	X			(E)
HK	CRUTCH HOOKS		X		NEW
MICRO	MICROWAVE	X			(E)
MIR-LR	MIRROR	X			NEW
MON	TELEVISION		X	X	NEW
PC	PORTABLE COOLER	X			(E)
PH	DESKTOP PHONE	X			(E)
PR	UNDERCOUNTER PRINTER	X			(E)
PRL	LABEL PRINTER	X			(E)
PTD	PAPER TOWEL DISPENSER		X		NEW
PTD-LR	PAPER TOWEL DISPENSER, LIGATURE RESISTANT		X		NEW
REF-F	FREEZER/REFRIGERATOR	X			(E)
REF-V	REFRIGERATOR/VACUINE	X			(E)
RF	MINI-REFRIGERATOR	X			(E)
SD	SOAP DISPENSER		X		NEW
SD-LR	SOAP DISPENSER, LIGATURE RESISTANT		X		NEW
TC	CONFERENCE TABLE			X	NEW
TV	LARGE SCREEN TELEVISION		X		NEW
WB	WHITE BOARD			X	NEW
WTC	WALK/TALKIE CHARGING STATION	X			NEW

LEGEND

OWNER FURNISHED ITEMS (REF. SCHEDULE)

- PANIC BUTTON
- DUPLEX/QUAD OUTLET
- VOICE/DATA OUTLET
- NURSE CALL



GENERAL NOTES

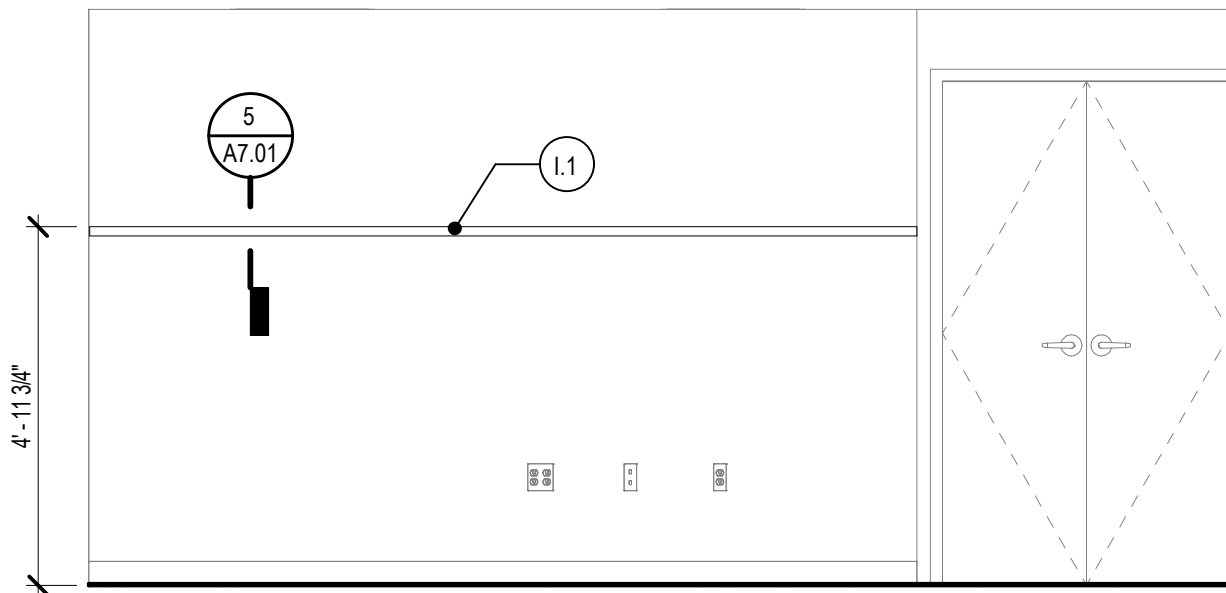
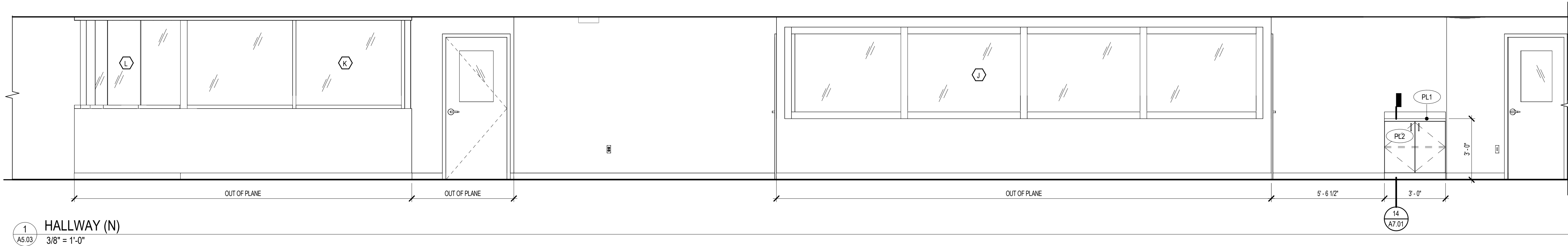
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- GROMMETS AND ELECTRICAL OUTLETS: INSTALL GROMMETS IN COUNTERTOPS FOR ALL UNDER-COUNTER OUTLETS AS FOLLOWS:
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- ALL WALLBASES WILL BE RB1, U.N.O.

EQUIPMENT LEGEND

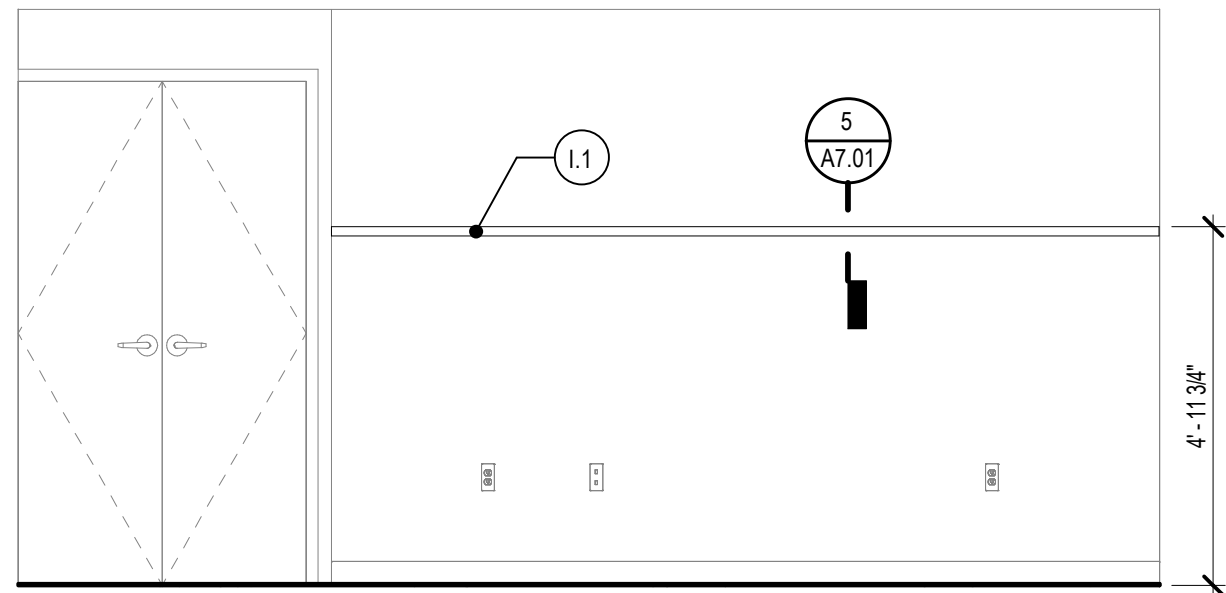
TAG	DESCRIPTION	OFOI	OFCI	CFCI	(E)/NEW
BED-PT	PATIENT BED			X	NEW
BHC	BEHAVIOR HEALTH CHAIR			X	NEW
BHT	BEHAVIOR HEALTH TABLE			X	NEW
CF	CENTRIFUGE	X			(E)
CH-C	CONFERENCE CHAIR			X	NEW
CH-T	CONFERENCE CHAIR			X	NEW
CH-T	TASK CHAIR	X			(E)
COPY	FLOOR-MOUNTED COPY/PRINTER	X			(E)
CPU	COMPUTER	X			(E)
CT-UT	UTILITY CART	X			(E)
D	STAND DESK	X			NEW
DS	DOCUMENT SCANNER	X			(E)
FAX	FAX MACHINE	X			(E)
HK	CRUTCH HOOKS		X		NEW
MICRO	MICROWAVE	X			(E)
MIR-LR	MIRROR	X		X	NEW
MON	TELEVISION		X		NEW
PC	PORTABLE COOLER	X			(E)
PH	DESKTOP PHONE	X			(E)
PR	UNDERCOUNTER PRINTER	X			(E)
PRL	LABEL PRINTER	X			(E)
PTD	PAPER TOWEL DISPENSER		X		NEW
PTD-LR	PAPER TOWEL DISPENSER, LIGATURE RESISTANT		X		NEW
REF-F	FREEZER/REFRIGERATOR	X			(E)
REF-V	REFRIGERATOR/VACCINE	X			(E)
RF	MINI-REFRIGERATOR	X			(E)
SD	SOAP DISPENSER		X		NEW
SD-LR	SOAP DISPENSER, LIGATURE RESISTANT		X		NEW
TC	CONFERENCE TABLE		X	X	NEW
TV	LARGE SCREEN TELEVISION		X		NEW
WB	WHITE BOARD		X	X	NEW
WTC	WALKIE-TALKIE CHARGING STATION	X			NEW

LEGEND

- OWNER FURNISHED ITEMS (REF. SCHEDULE)
- PANIC BUTTON
- DUPLEX/QUAD OUTLET
- VOICE/DATA OUTLET
- NURSE CALL



3
A5.03
MED SUPPLY (W)
3/8" = 1'-0"



2
A5.03
MED SUPPLY (E)
3/8" = 1'-0"

GENERAL NOTES

- CABINETMAKER SHALL COORDINATE WITH OTHER TRADES, VENDORS AND OWNER FOR ITEMS INSTALLED IN AND AROUND CABINETS.
- GROMMETS AND ELECTRICAL OUTLETS: INSTALL GROMMETS IN COUNTERTOPS FOR ALL UNDER-COUNTER OUTLETS AS FOLLOWS:
 - 1 1/2" DIA. GROMMET FOR UP TO 2 OUTLETS
 - 2 1/2" DIA. GROMMET FOR UP TO 4 OUTLETS
- COORDINATE MOUNTING HEIGHTS FOR ALL SIGNAGE, EQUIPMENT AND FIXTURES WITH STANDARD MOUNTING HEIGHT DRAWING.
- PRIOR TO COVERING WALL, BACKING SHALL BE PROVIDED TO ACCOMMODATE ALL HUNG ITEMS AND ACCESSORIES CALLED FOR ON THE CONSTRUCTION DOCUMENTS. SUCH ITEMS CONSIST OF, BUT ARE NOT LIMITED TO: UPPER CABINETS, STORAGE SHELVING, TELEVISIONS, COMPUTER MONITORS, LAVATORY ACCESSORIES, AND FUTURE INSTALLATION OF GRAB BARS AT THE SIDES OF WATER CLOSETS.
- ALL WALLBASES WILL BE RB1, U.N.O.

EQUIPMENT LEGEND

TAG	DESCRIPTION	OFOI	OFCI	CFCI	(E) / NEW
SED-PT	PATIENT BED			X	NEW
BHC	BEHAVIOR HEALTH CHAIR			X	NEW
BHT	BEHAVIOR HEALTH TABLE			X	NEW
CF	CENTRIFUGE	X			(E)
CH C	CONFERENCE CHAIR			X	NEW
CH C	CONFERENCE CHAIR			X	NEW
CH T	TASK CHAIR	X			NEW
COPY	FLOOR-MOUNTED COPY/PRINTER	X			(E)
CPU	COMPUTER	X			(E)
CT-UT	UTILITY CART	X			(E)
D	SIT/STAND DESK	X			NEW
DS	DOCUMENT SCANNER	X			(E)
FAX	FAX MACHINE	X			(E)
HK	CRUTCH HOOKS		X		NEW
MICRO	MICROWAVE	X			(E)
MIR-LR	MIRROR			X	NEW
MON	TELEVISION		X		NEW
PC	PORTABLE COOLER	X			(E)
PH	DESKTOP PHONE	X			(E)
PR	UNDERCOUNTER PRINTER	X			(E)
PRL	LABEL PRINTER	X			(E)
PTD	PAPER TOWEL DISPENSER		X		NEW
PTD-LR	PAPER TOWEL DISPENSER, LIGATURE RESISTANT		X		NEW
REF-F	FREEZER/REFRIGERATOR	X			(E)
REF-V	REFRIGERATOR/VACCINE	X			(E)
RF	MINI-REFRIGERATOR	X			(E)
SD	SOAP DISPENSER		X		NEW
SD-LR	SOAP DISPENSER, LIGATURE RESISTANT		X		NEW
TC	CONFERENCE TABLE			X	NEW
TV	LARGE SCREEN TELEVISION		X		NEW
WB	WHITE BOARD			X	NEW
WTC	WALKIETALKIE CHARGING STATION	X			NEW

LEGEND

- OWNER FURNISHED ITEMS (REF. SCHEDULE)
- PANIC BUTTON
- DUPLEX/QUAD OUTLET
- VOICE/DATA OUTLET
- NURSE CALL

KEYNOTES

- 1.1 NO BACKSLASH

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY

2630 N PACIFIC HWY, WOODBURN, OR 97071



ISSUE DATE: 06.27.2025

REVISIONS:

1 County Comments 08/19/2025

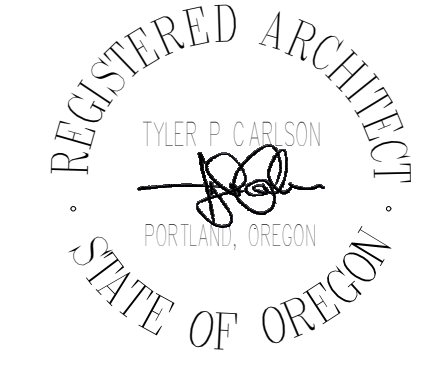
INTERIOR ELEVATIONS

A5.03

PROJECT NO.: 25015

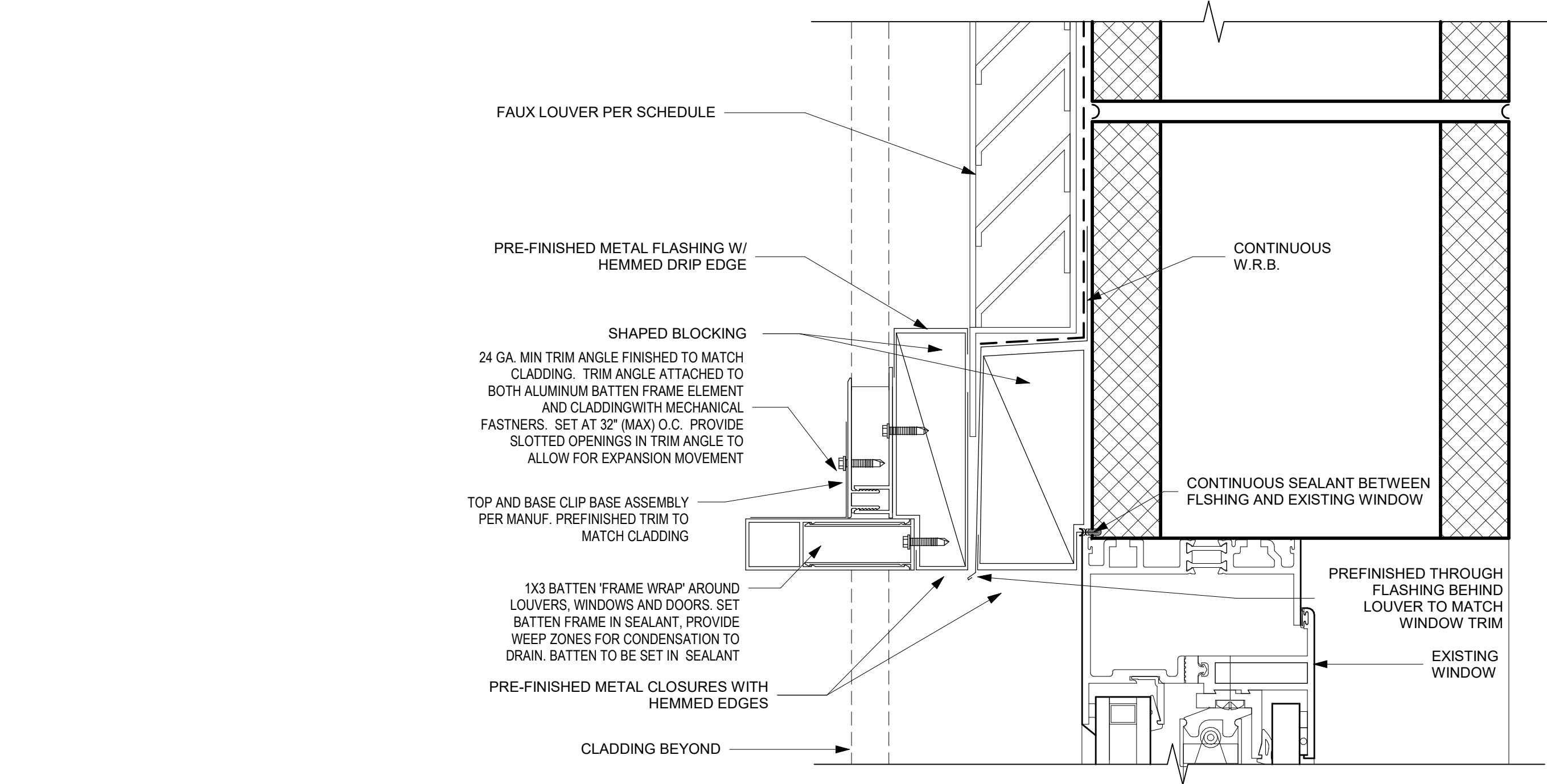
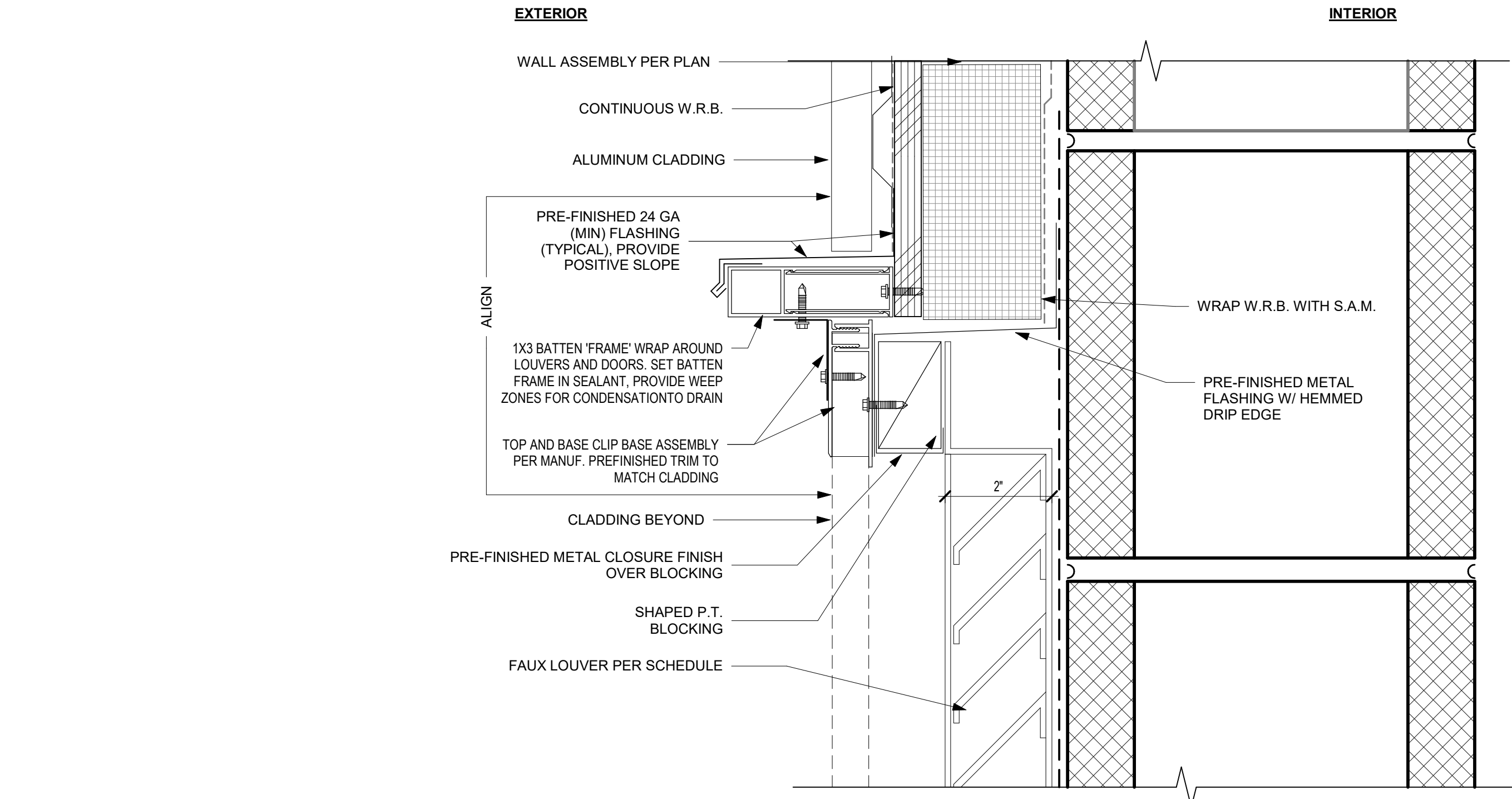
CONSTRUCTION DOCUMENTS

C L A R K K J O S
A R C H I T E C T S , L L C

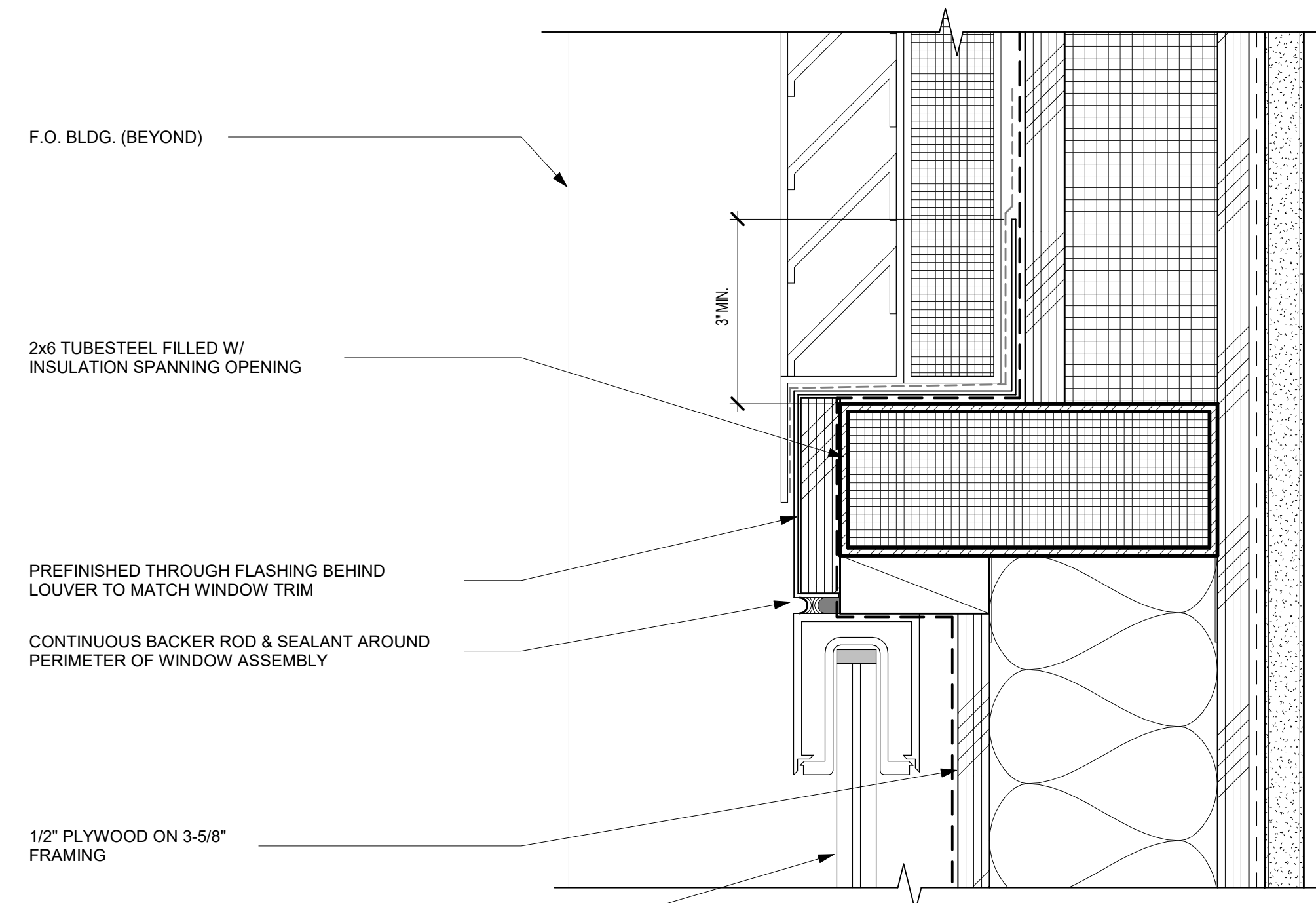
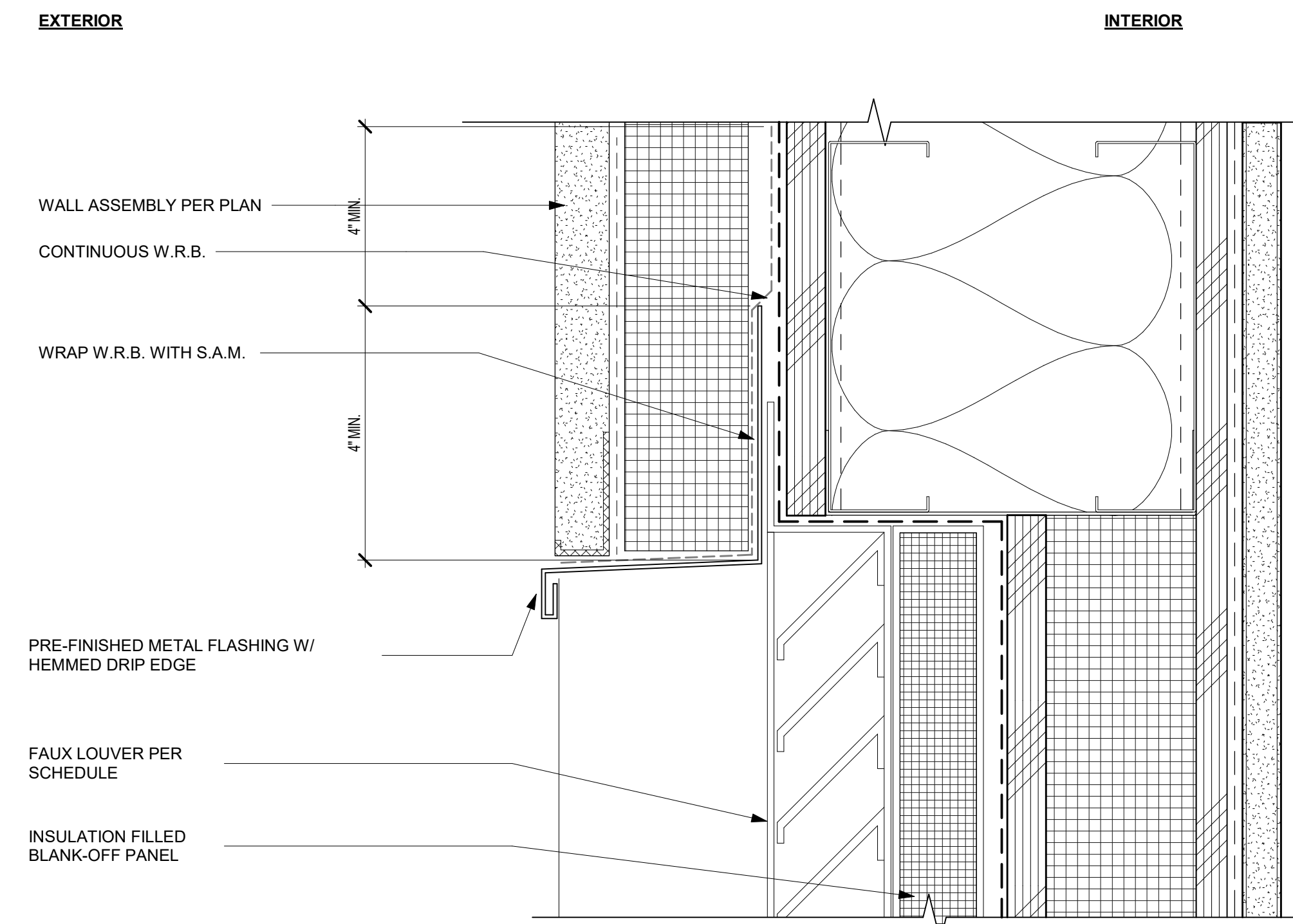


421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503.224.4848

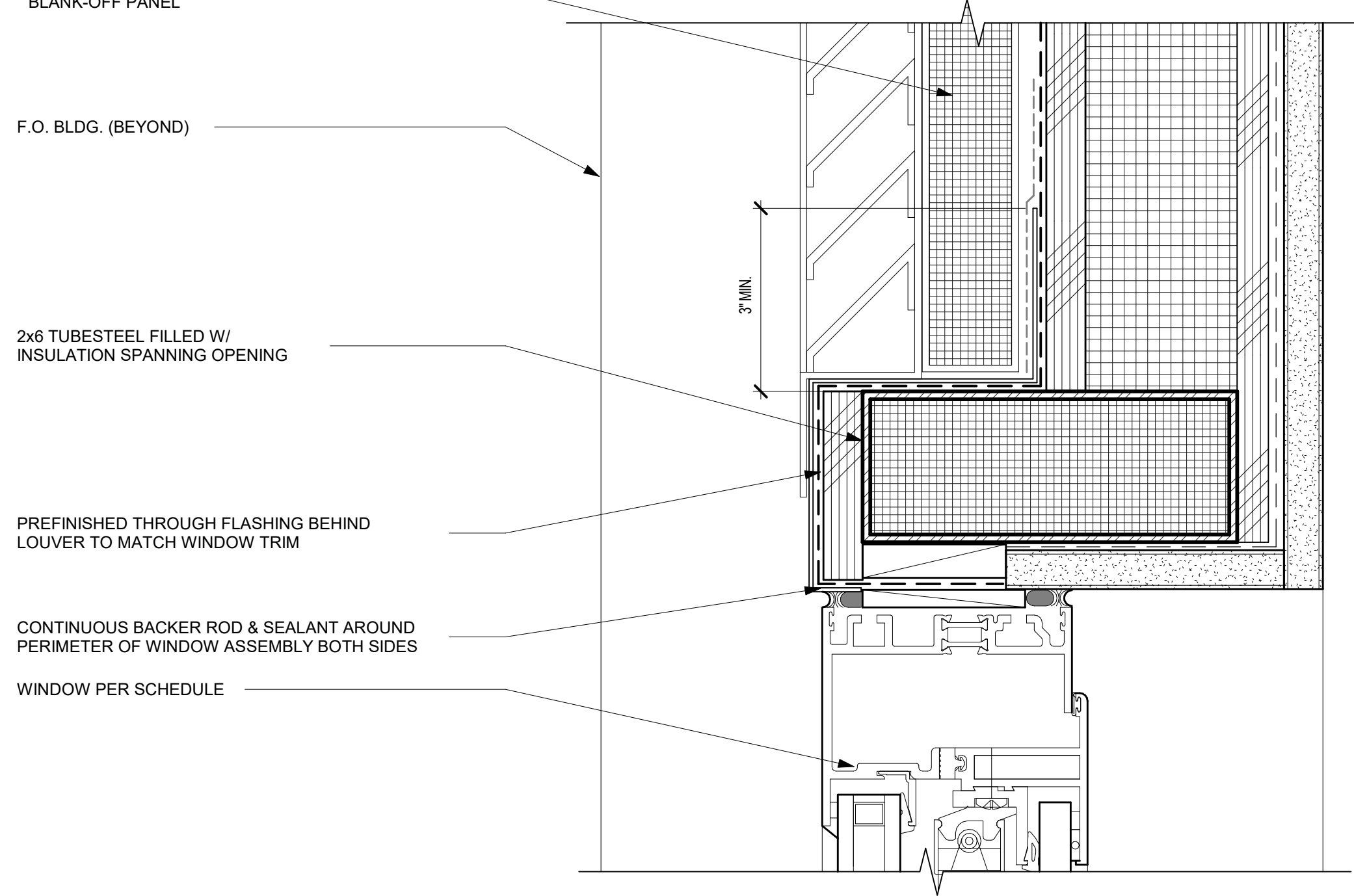
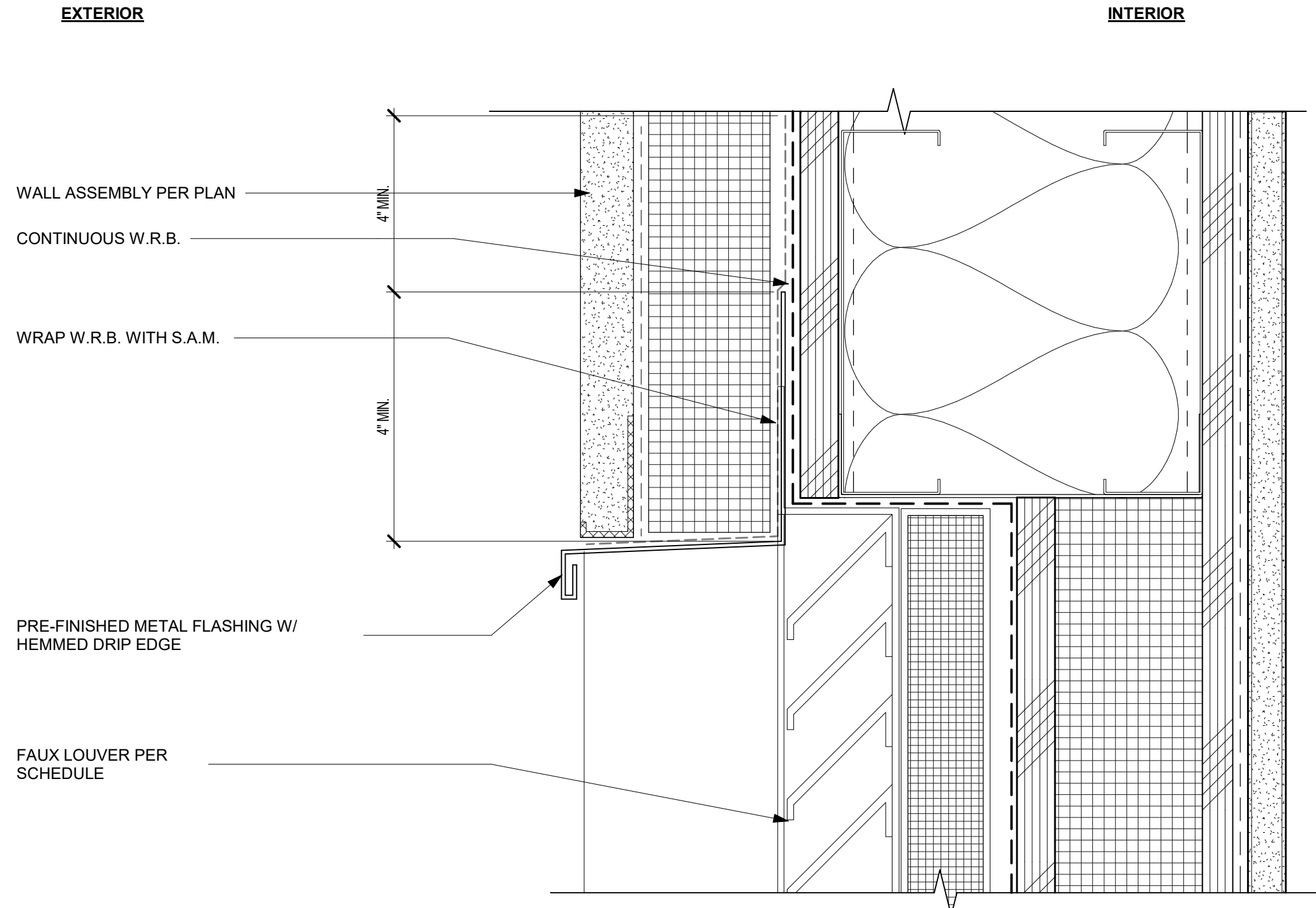
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CLARK KJOS ARCHITECTS, LLC COPYRIGHT 2026 02/22/2026 3:32:30 PM



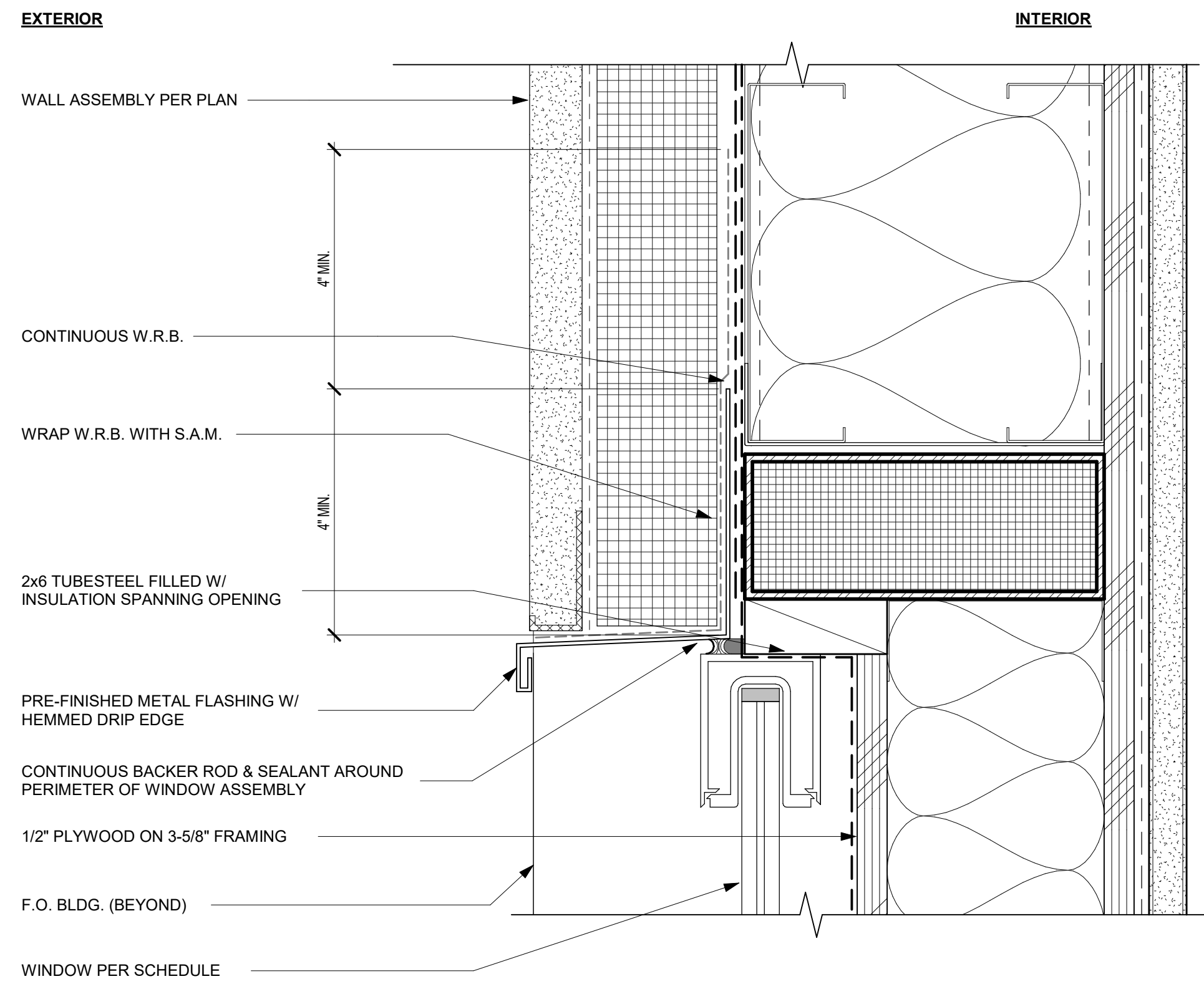
5
A6.01
LOUVER ABOVE WINDOW W/CLADDING ON EXISTING CMU
6" = 1'-0"



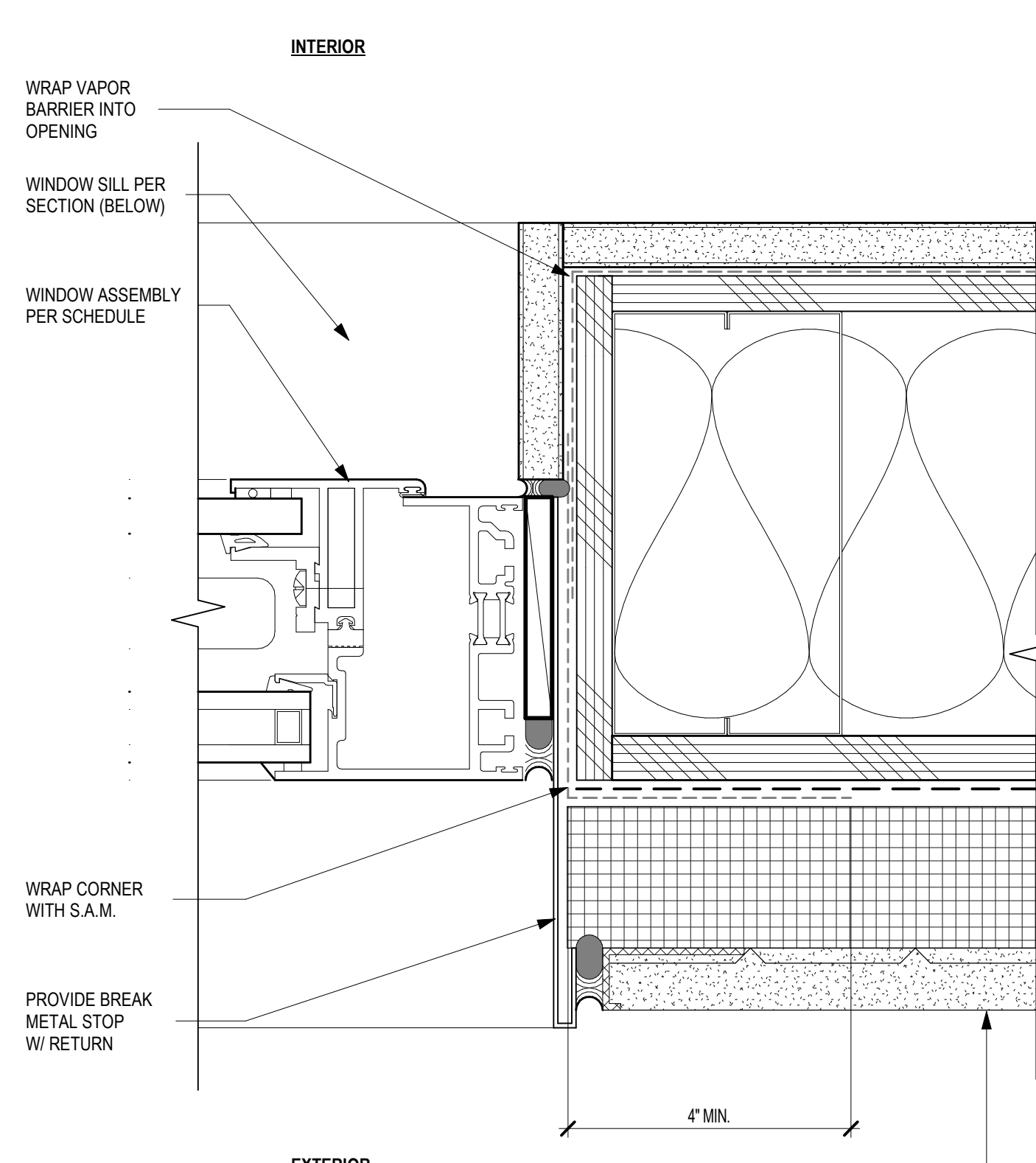
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A6.01
SPANDRAL HEAD DETAIL AT LOUVER (JAMB SIM)
6" = 1'-0"



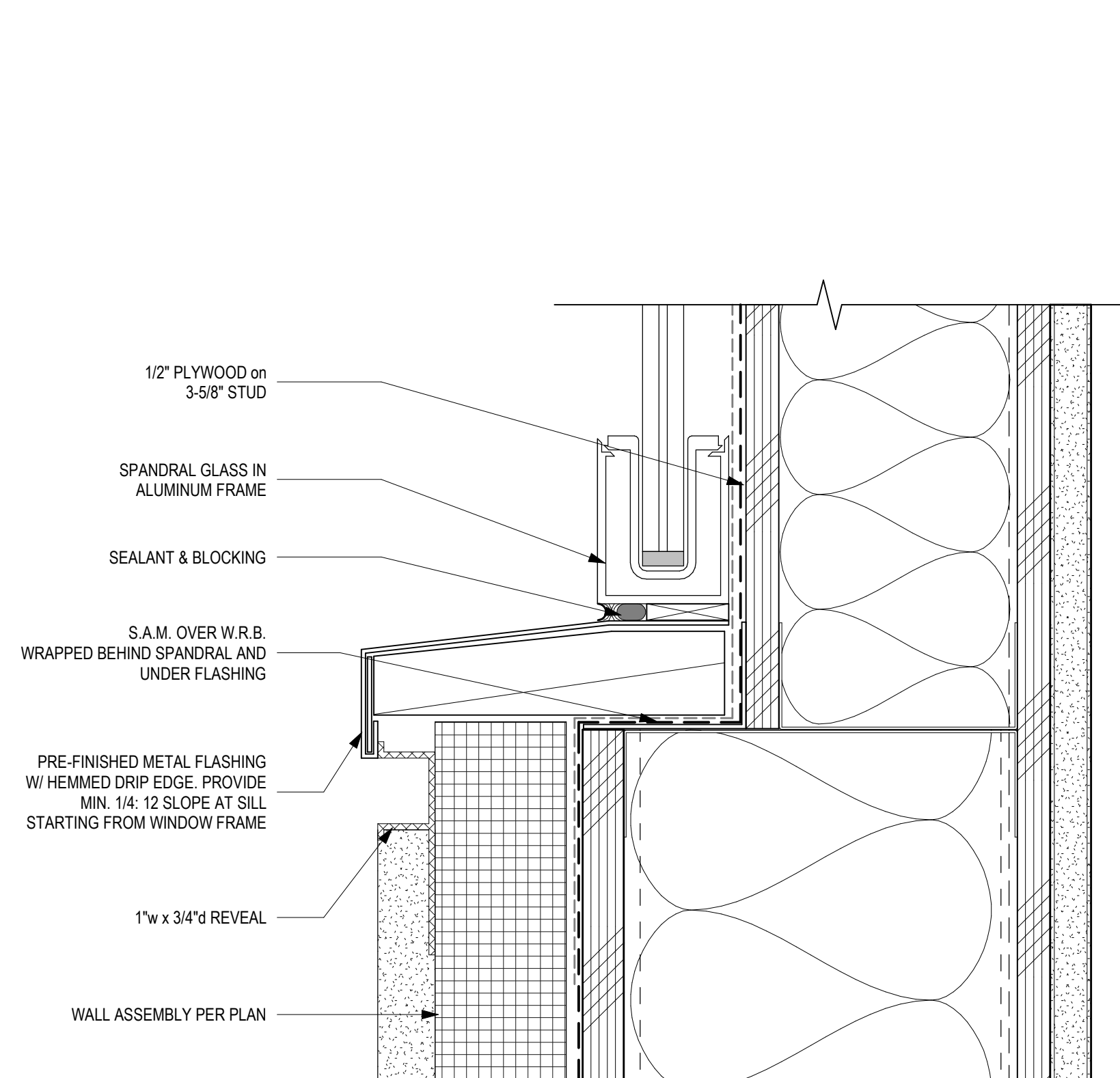
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WINDOW HEAD DETAIL AT LOUVER (JAMB SIM)
6" = 1'-0"



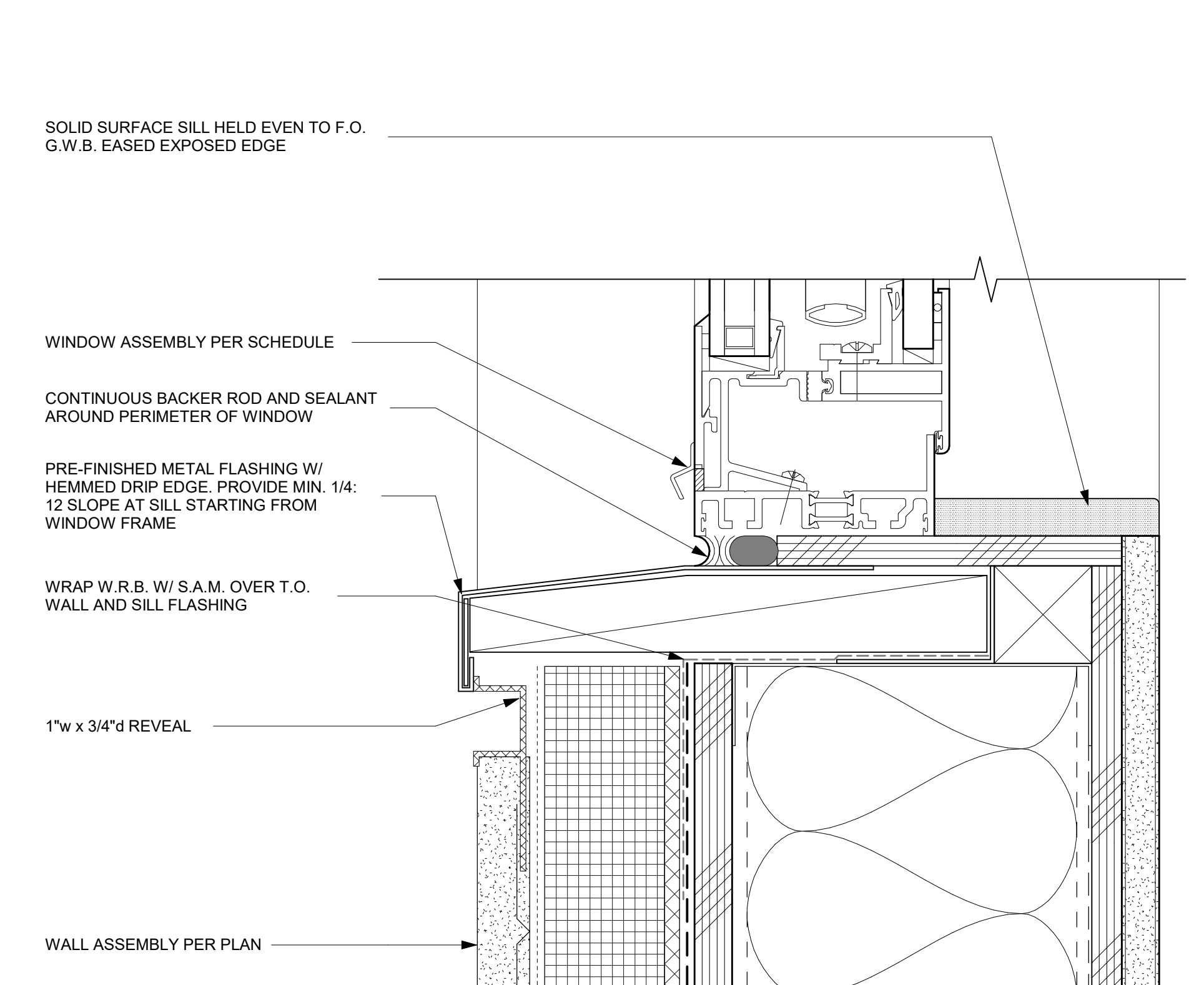
6
A6.01
SPANDRAL HEAD DETAIL
6" = 1'-0"



14
A6.01
WINDOW JAMB DETAIL AT STUCCO
6" = 1'-0"



4
A6.01
SPANDRAL WINDOW
6" = 1'-0"



2
A6.01
WINDOW SILL DETAIL AT STUCCO
6" = 1'-0"

MacLAREN INFIRMARY & PHARMACY
RENOVATION
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071



ISSUE DATE: 06.27.2025

REVISIONS:

1 County Comments 08/19/2025

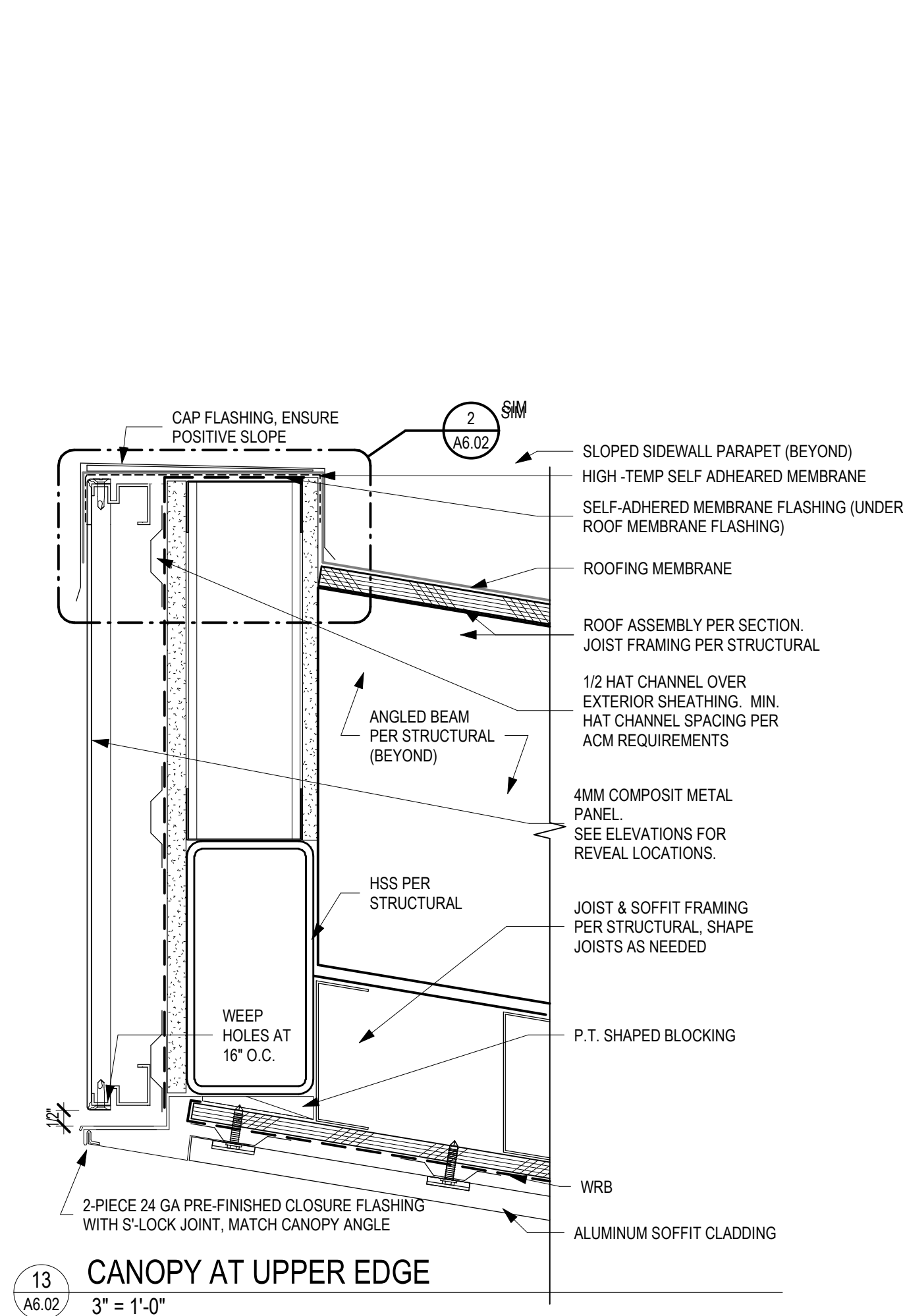
EXTERIOR DETAILS-
WINDOW, STOREFRONT

A6.01

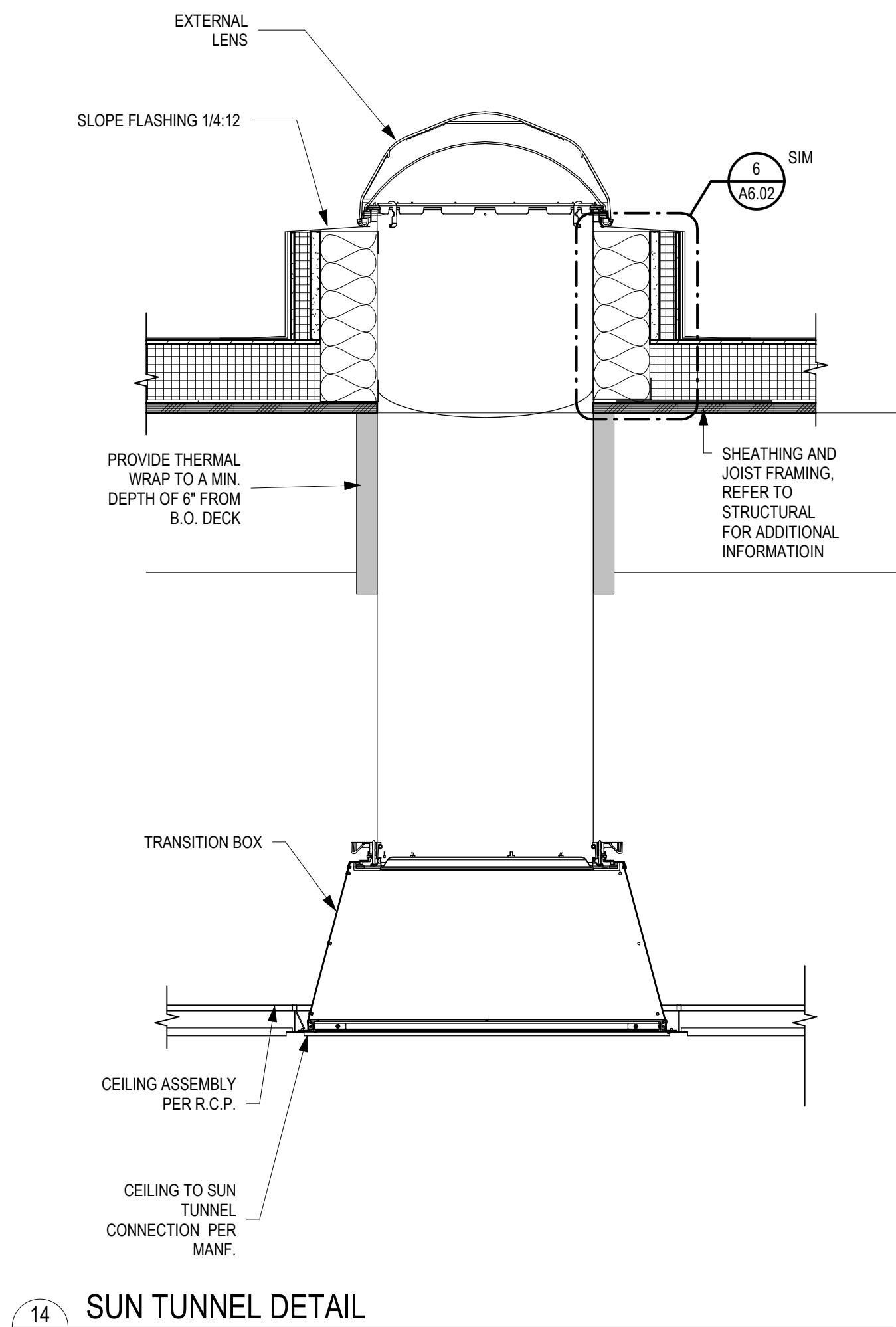
PROJECT NO.: 25015

CLARK KJOS
ARCHITECTS, LLC
REGISTERED ARCHITECT
TYLER P. CARLSON
PORTLAND, OREGON
STATE OF OREGON
421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503/224-4848

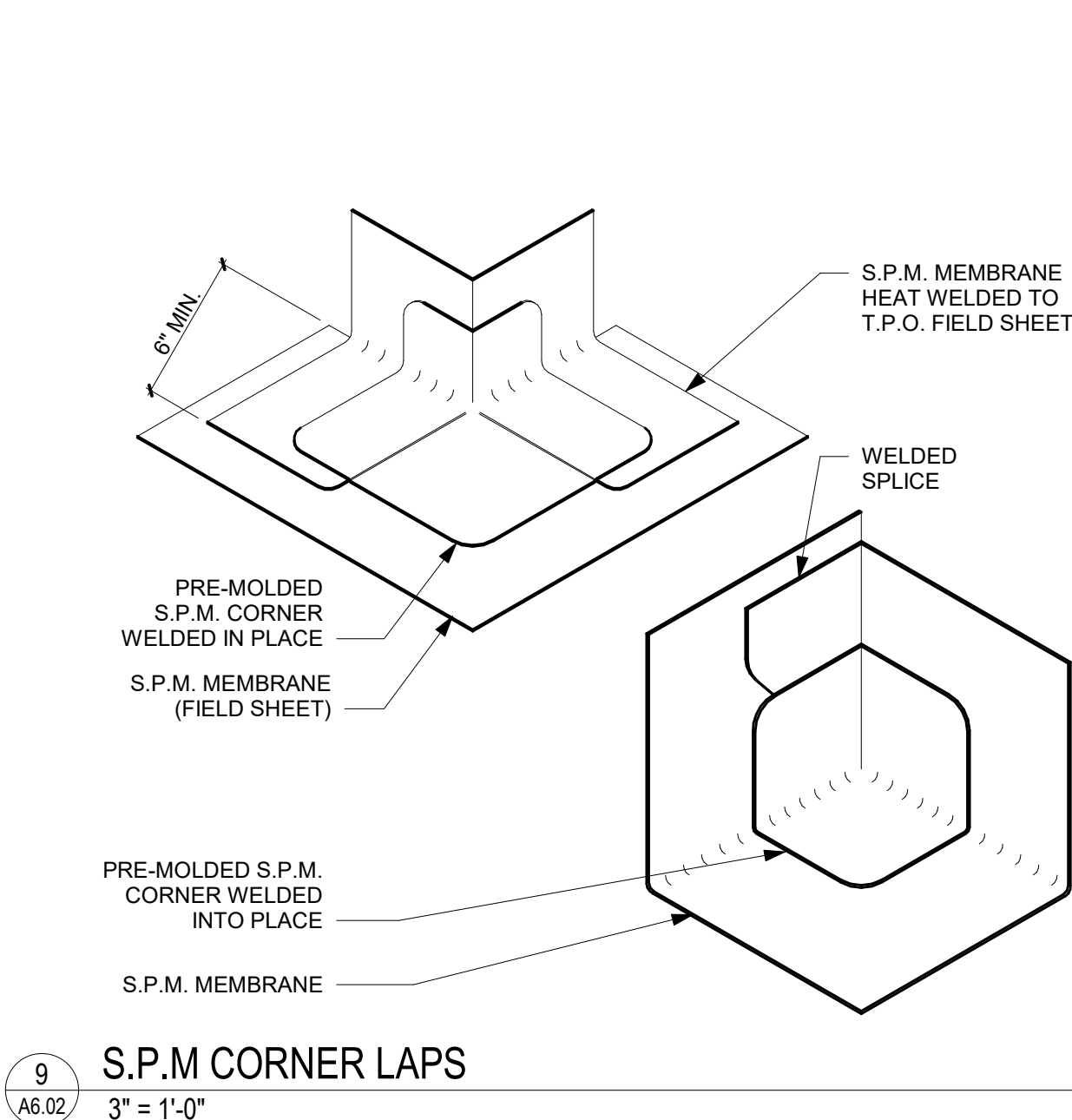
CONSTRUCTION DOCUMENTS



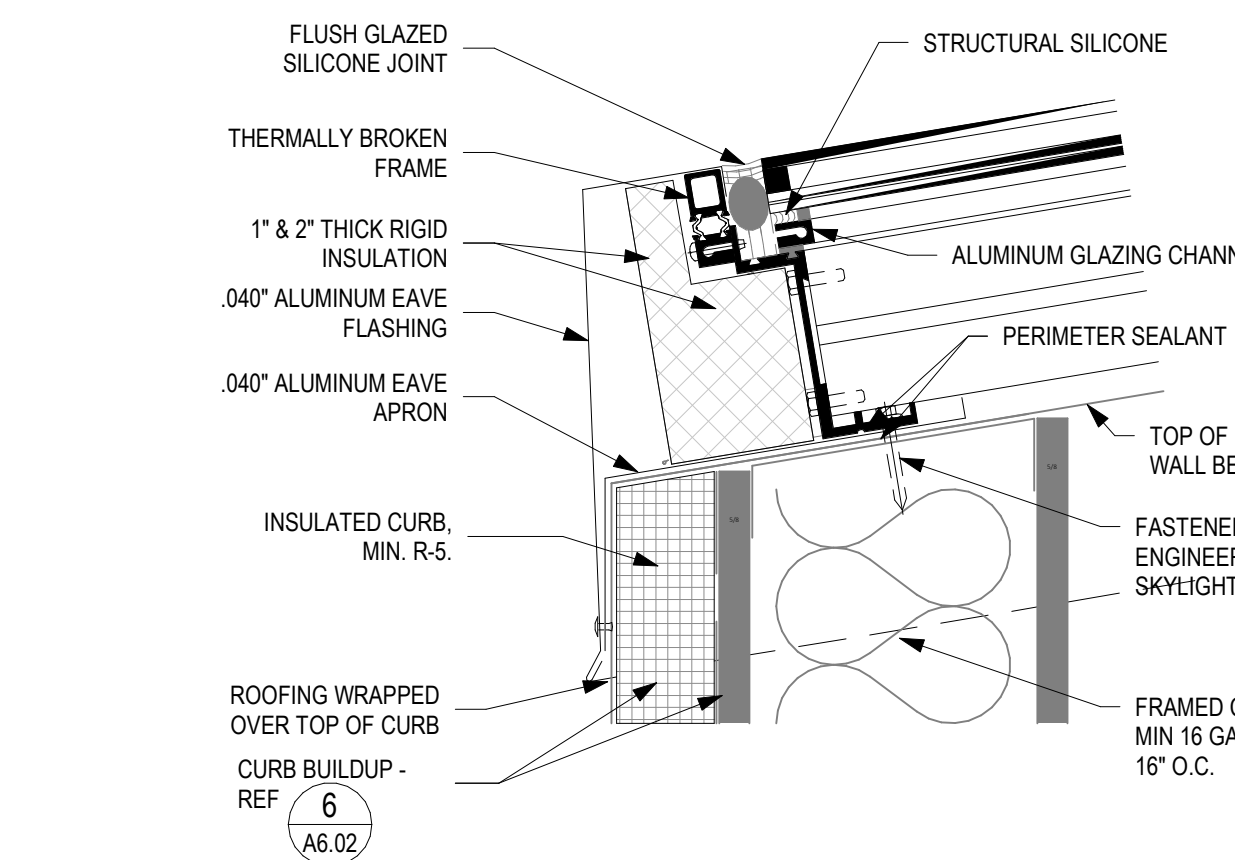
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A6.02
CANOPY AT UPPER EDGE
3" = 1'-0"



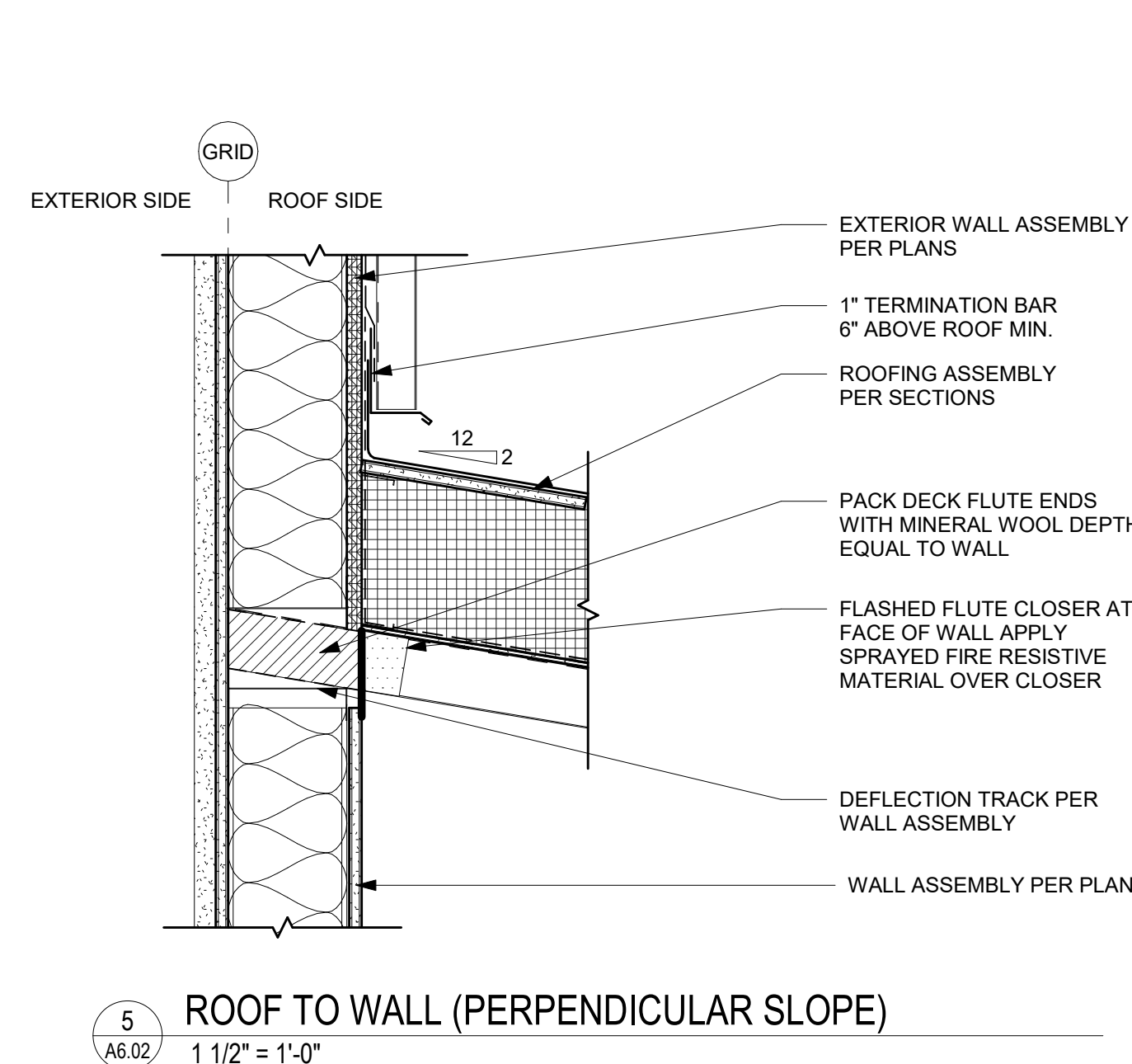
14
A6.02
SUN TUNNEL DETAIL
1 1/2" = 1'-0"



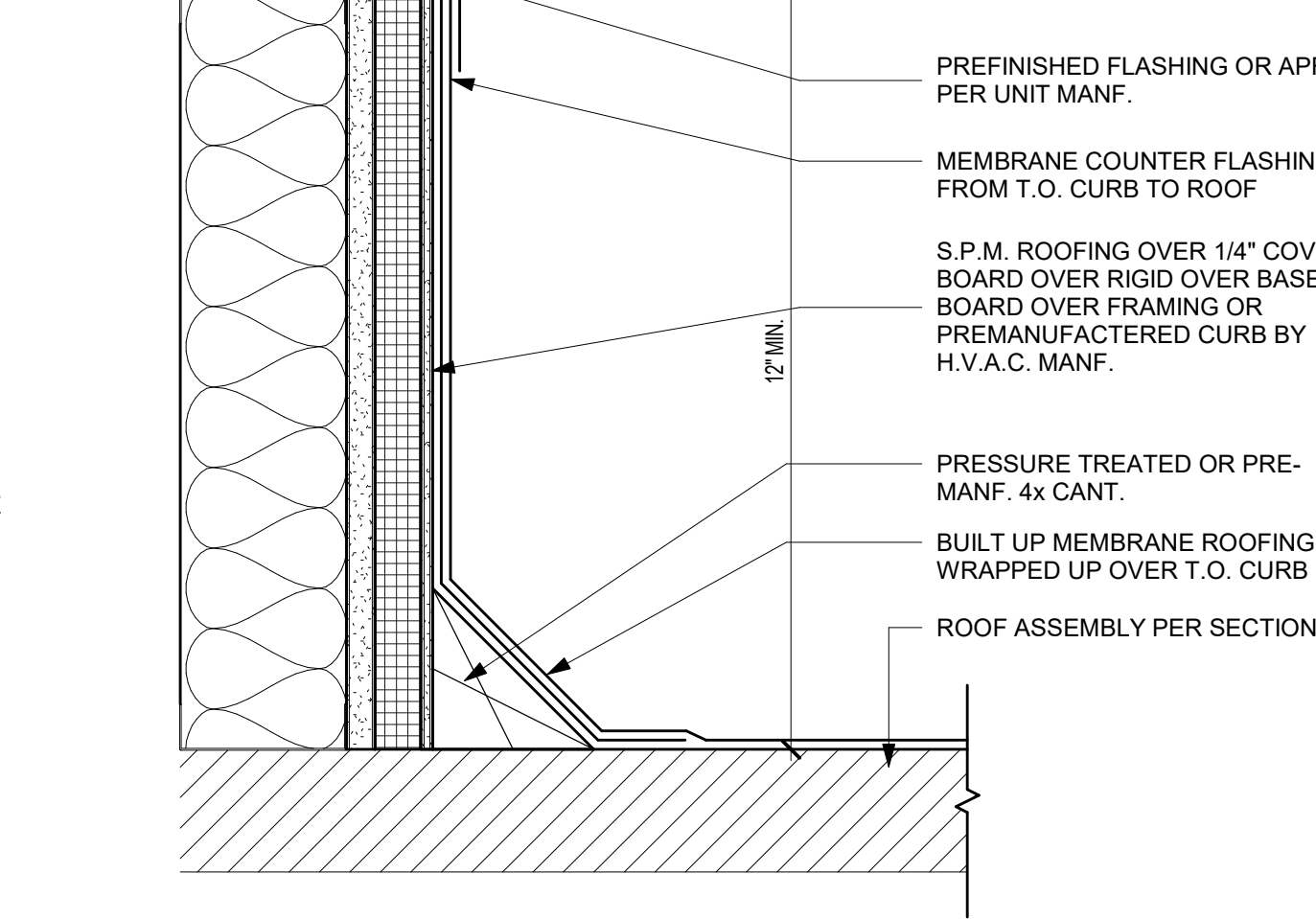
9
A6.02
S.P.M. CORNER LAPS
3" = 1'-0"



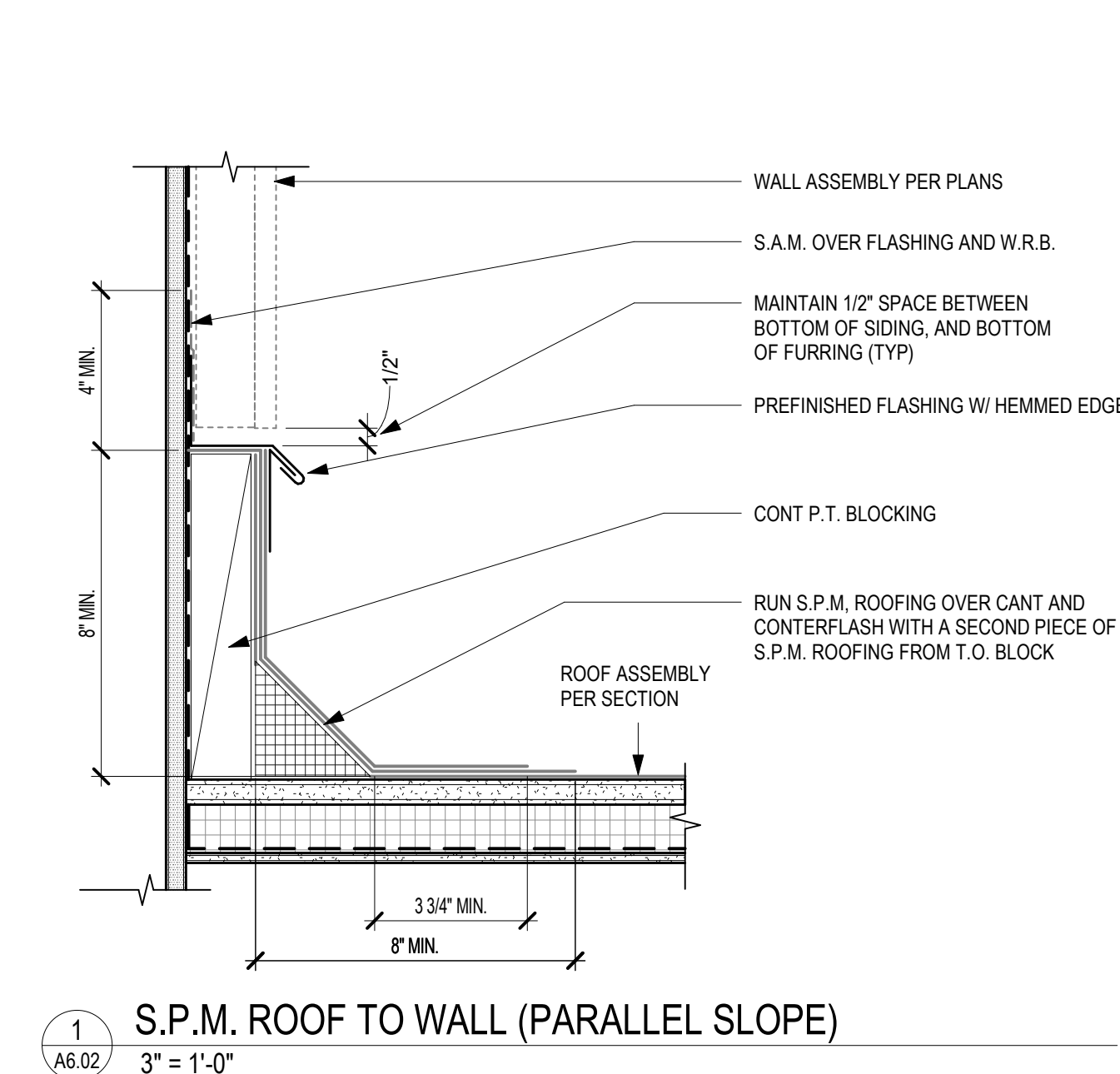
10
A6.02
SKYLIGHT - SILL
3" = 1'-0"



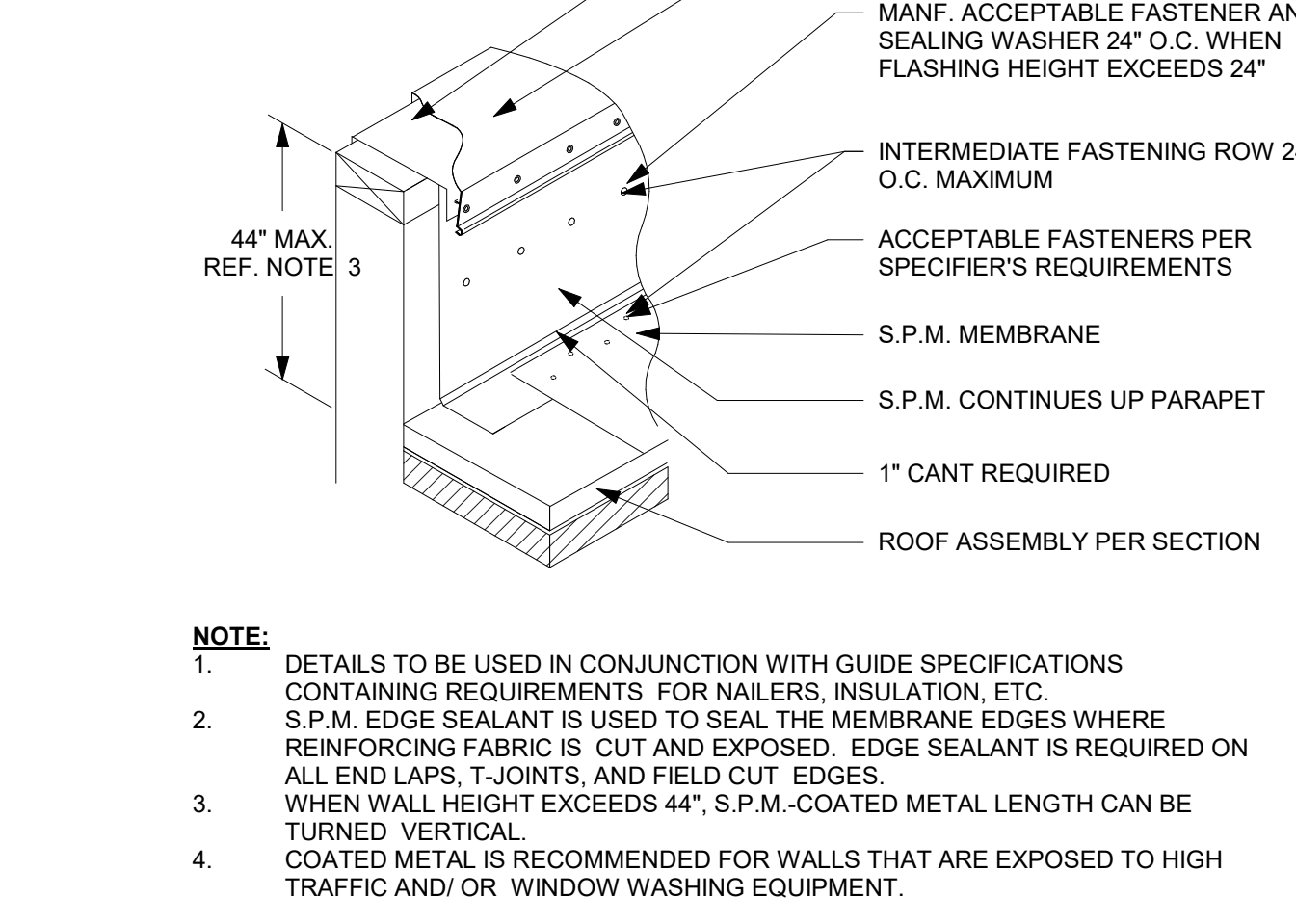
5
A6.02
ROOF TO WALL (PERPENDICULAR SLOPE)
1 1/2" = 1'-0"



6
A6.02
MECH./SKYLIGHT CURB
3" = 1'-0"

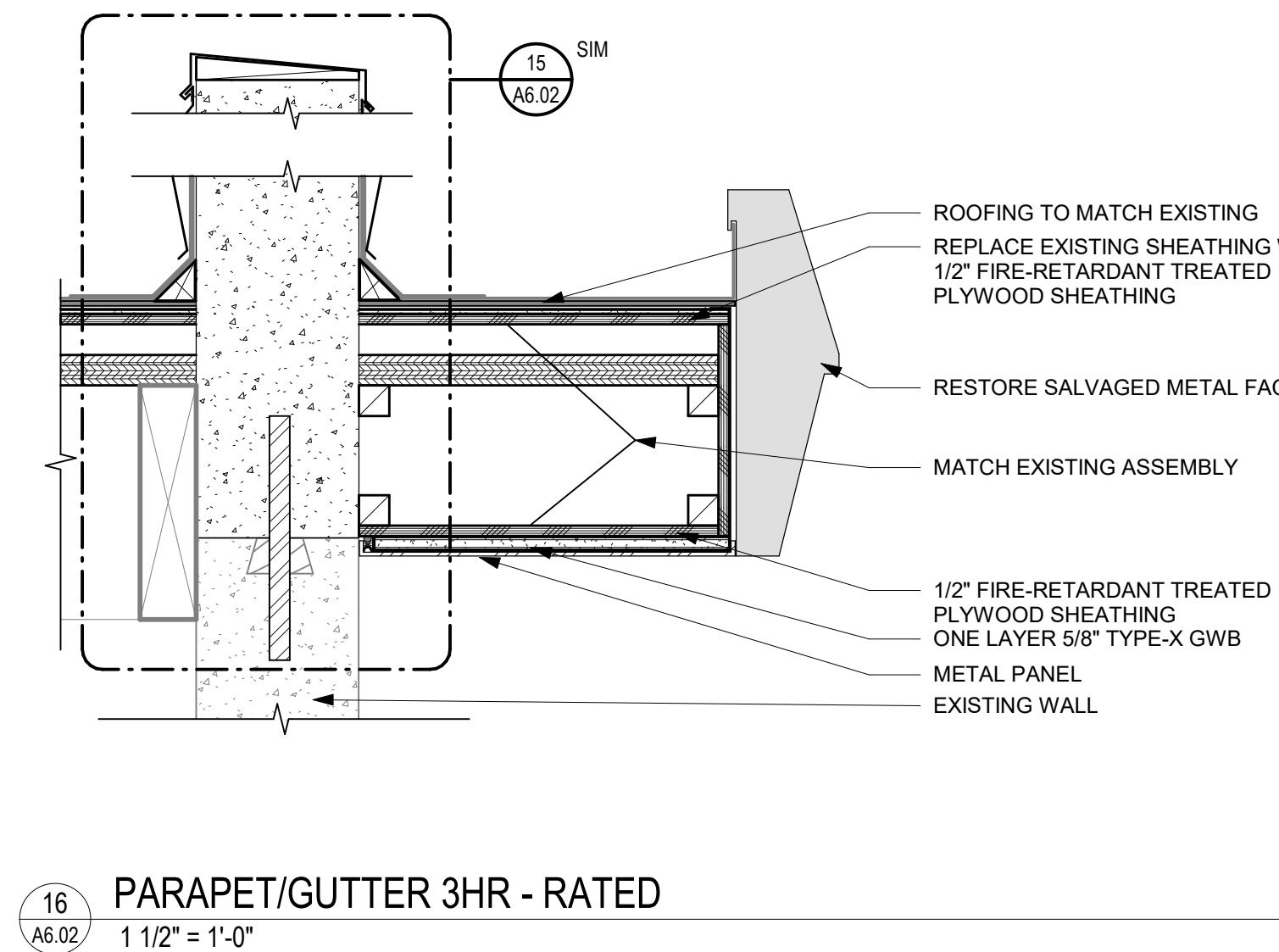


1
A6.02
S.P.M. ROOF TO WALL (PARALLEL SLOPE)
3" = 1'-0"

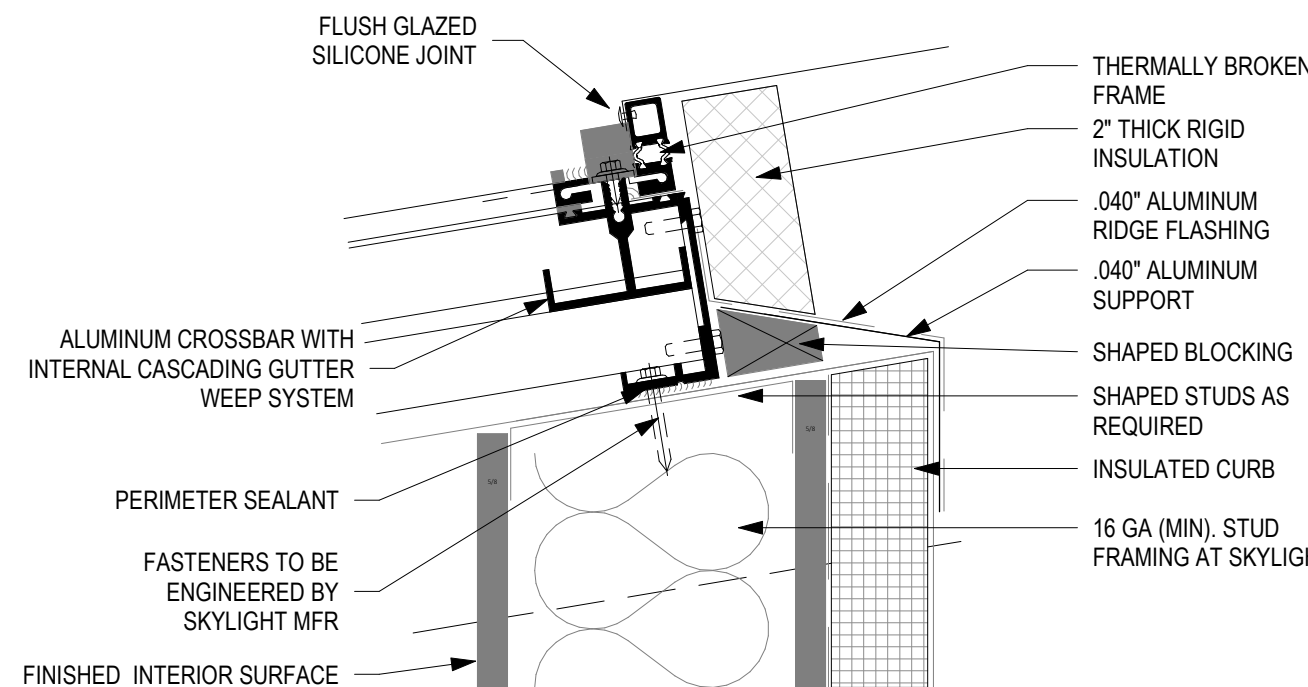


NOTE:
1. DETAILS TO BE USED IN CONJUNCTION WITH GUIDE SPECIFICATIONS CONTAINING REQUIREMENTS FOR NAILERS, INSULATION, ETC.
2. S.P.M. EDGE SEALANT IS USED TO SEAL THE MEMBRANE EDGES WHERE REINFORCING FABRIC IS CUT AND EXPOSED. EDGE SEALANT IS REQUIRED ON ALL END LAPS, T-JOINTS, AND FIELD CUT EDGES.
3. WHEN WALL HEIGHT EXCEEDS 44", S.P.M.-COATED METAL LENGTH CAN BE TURNED VERTICAL. COATED METAL IS RECOMMENDED FOR WALLS THAT ARE EXPOSED TO HIGH TRAFFIC AND/OR WINDOW WASHING EQUIPMENT.

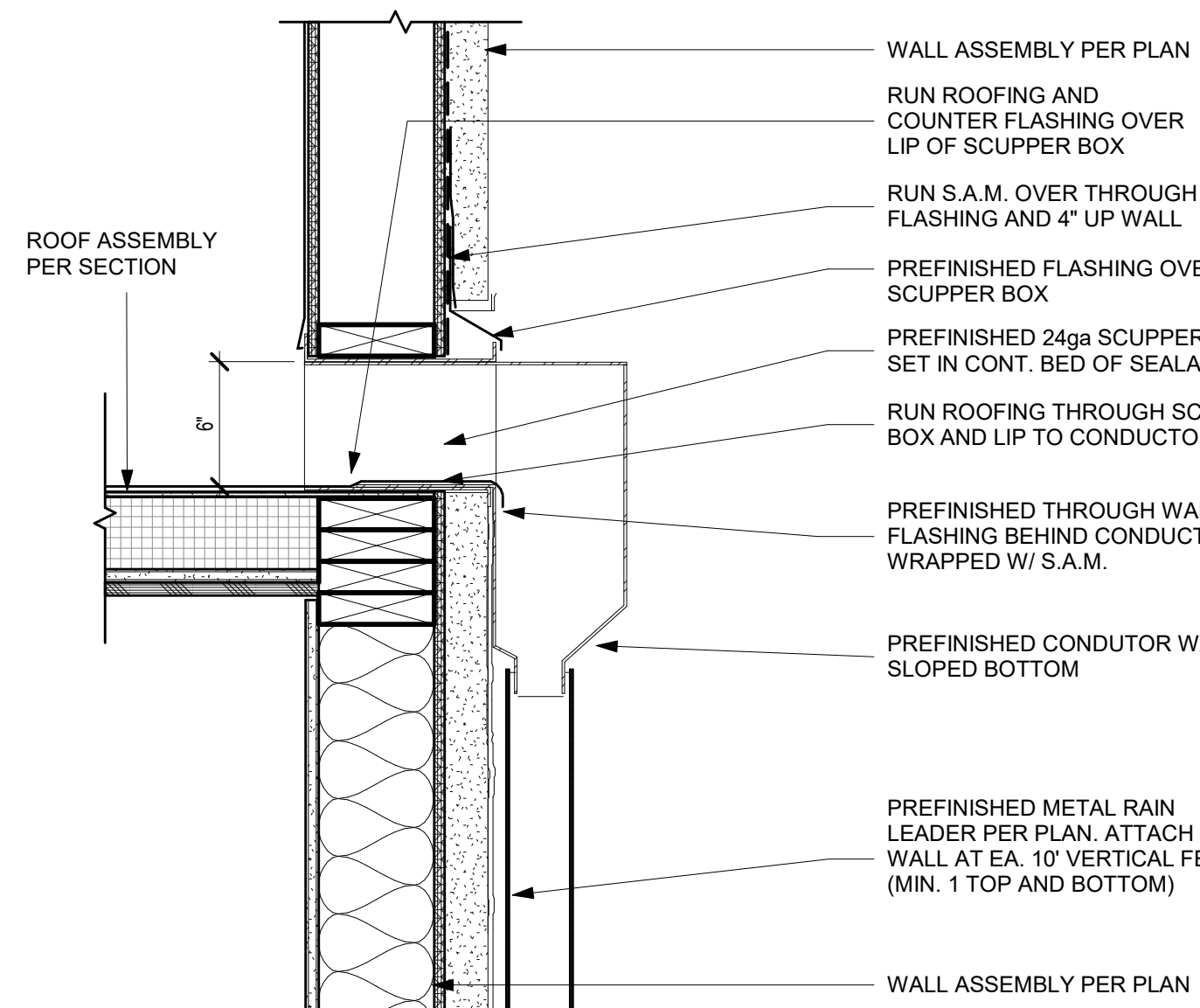
2
A6.02
S.P.M. ROOF PARAPET
3/4" = 1'-0"



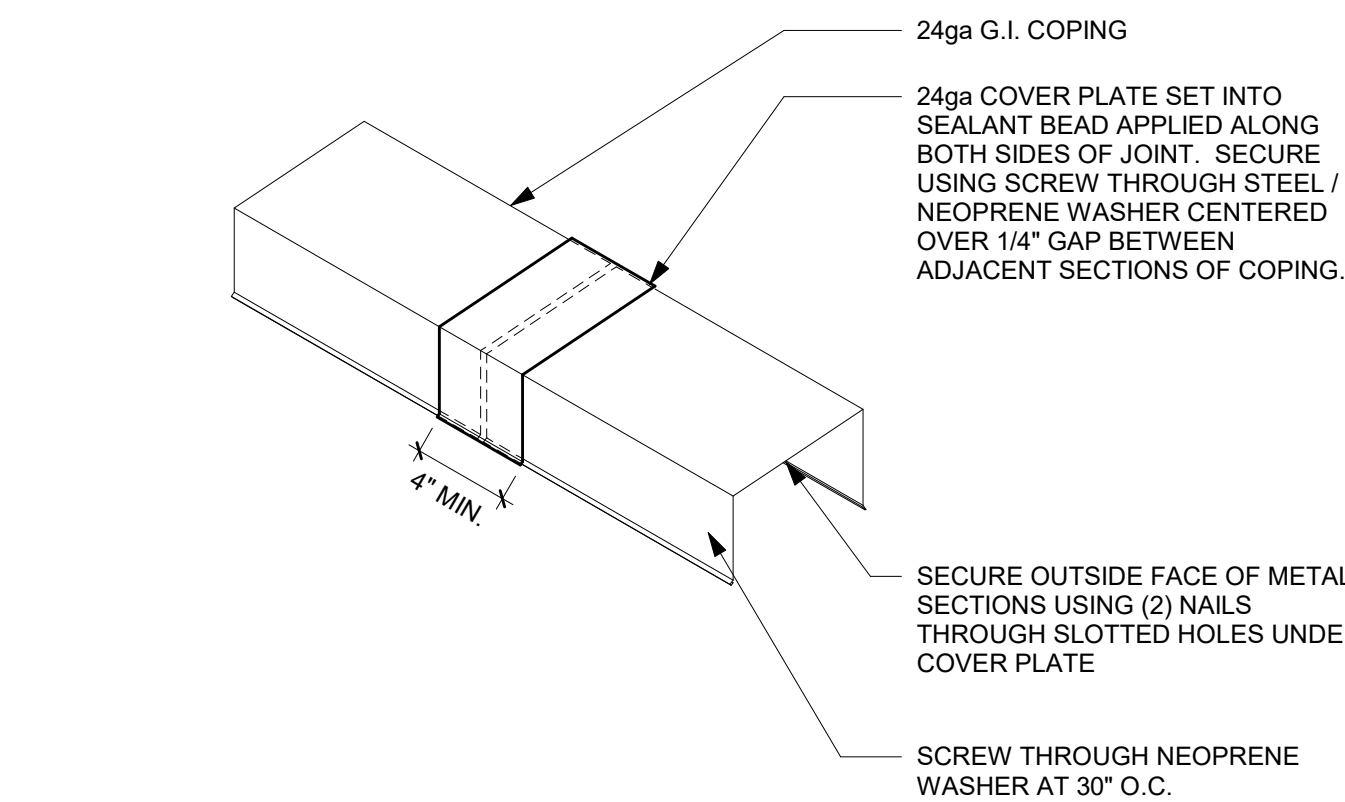
16
A6.02
PARAPET/GUTTER 3HR - RATED
1 1/2" = 1'-0"



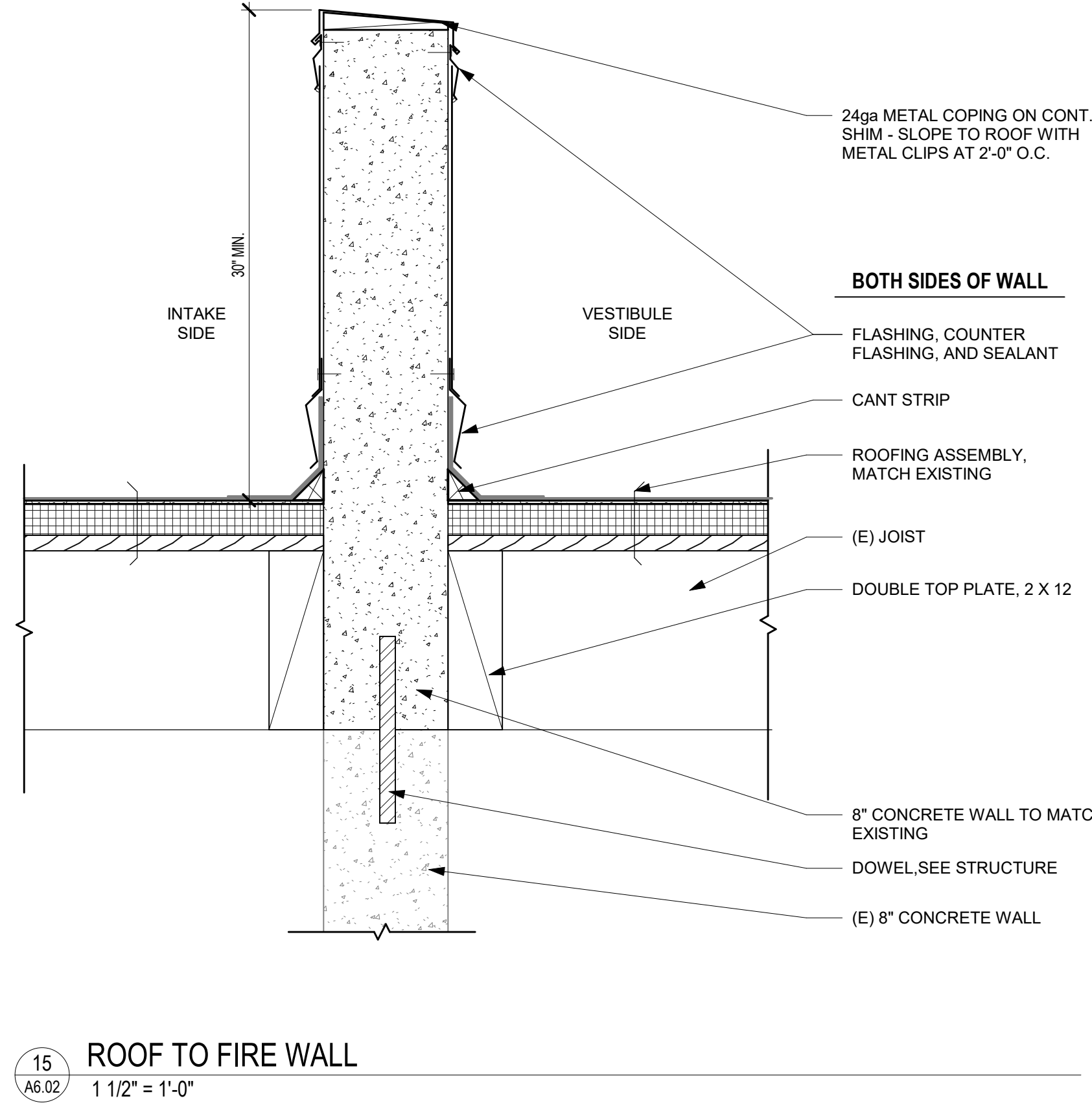
11
A6.02
SKYLIGHT - SILL
3" = 1'-0"



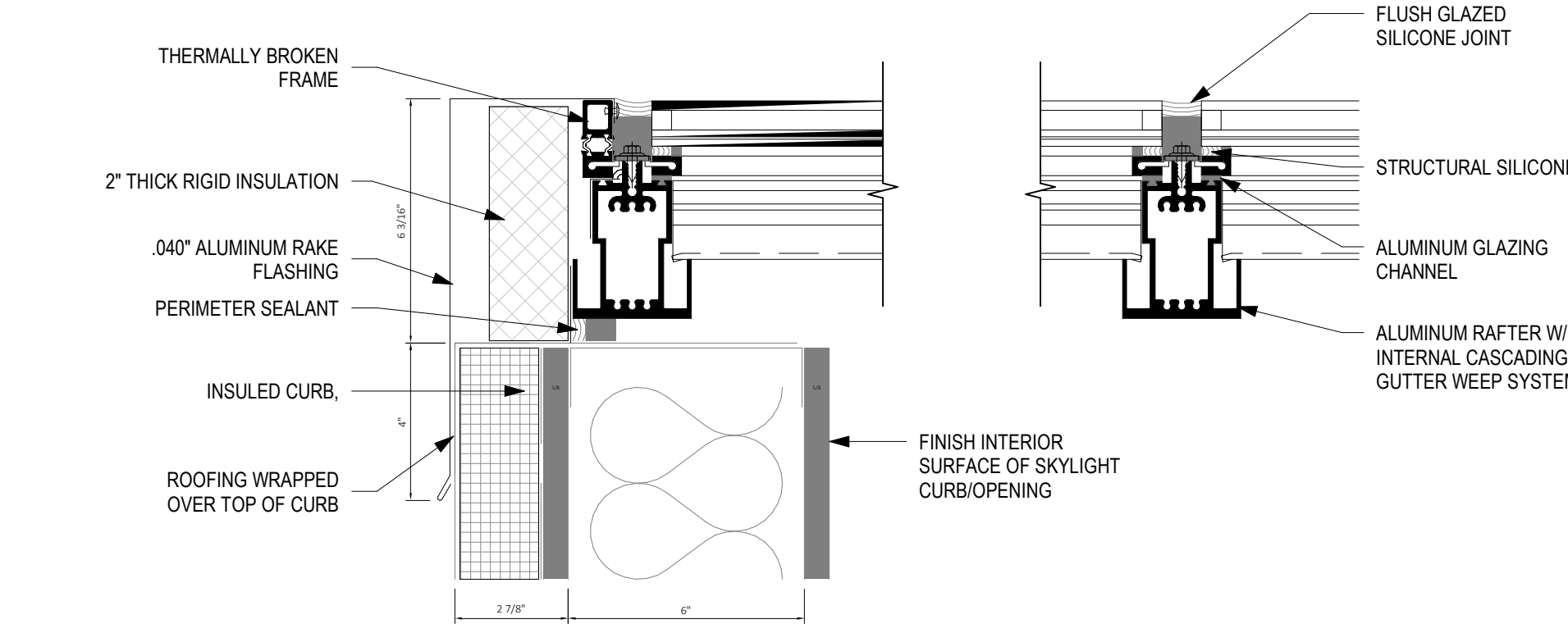
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A6.02
S.P.M. ROOF TO SCUPPER& CONDUCTOR
1 1/2" = 1'-0"



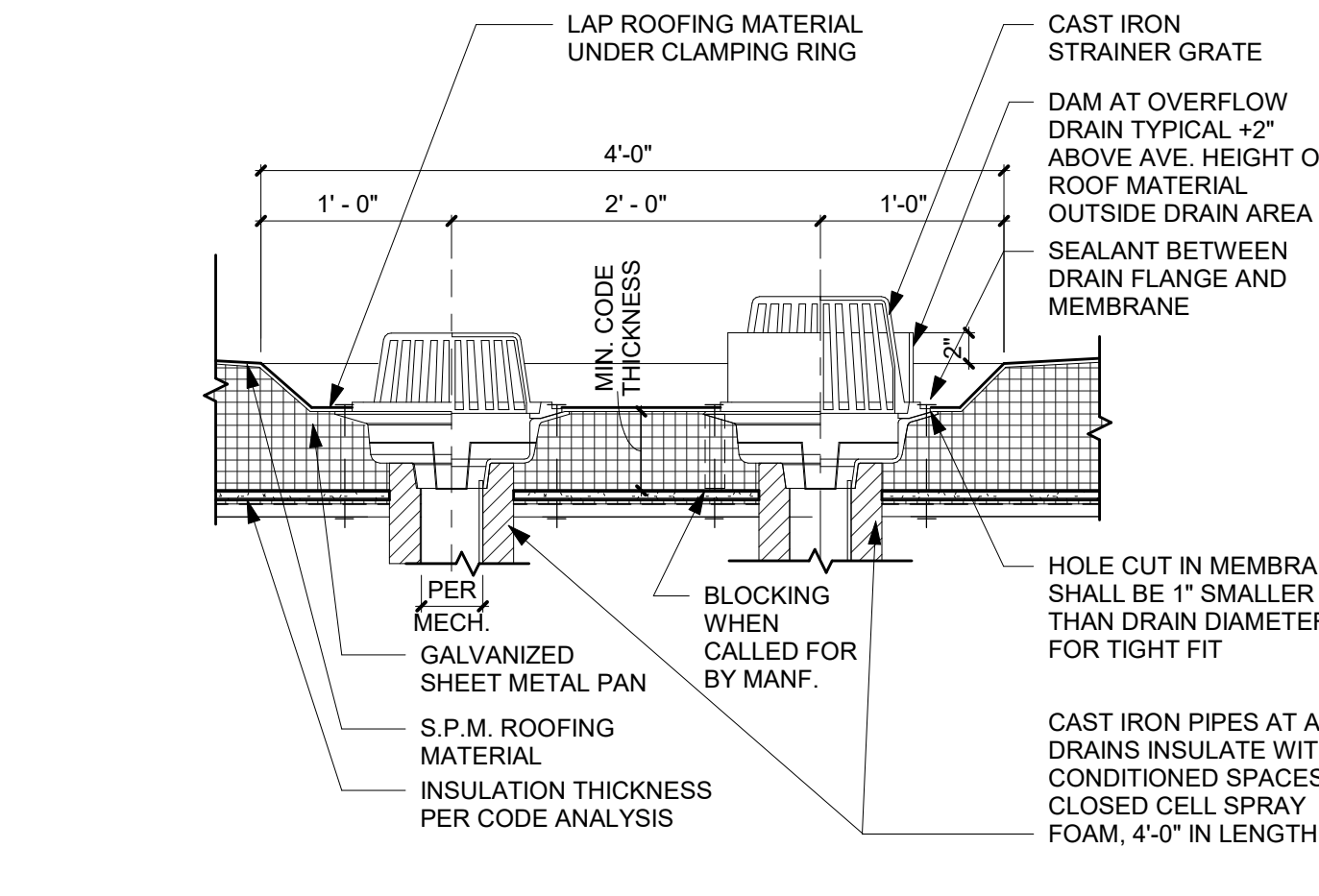
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A6.02
PARAPET COPING JOINT COVER
1 1/2" = 1'-0"



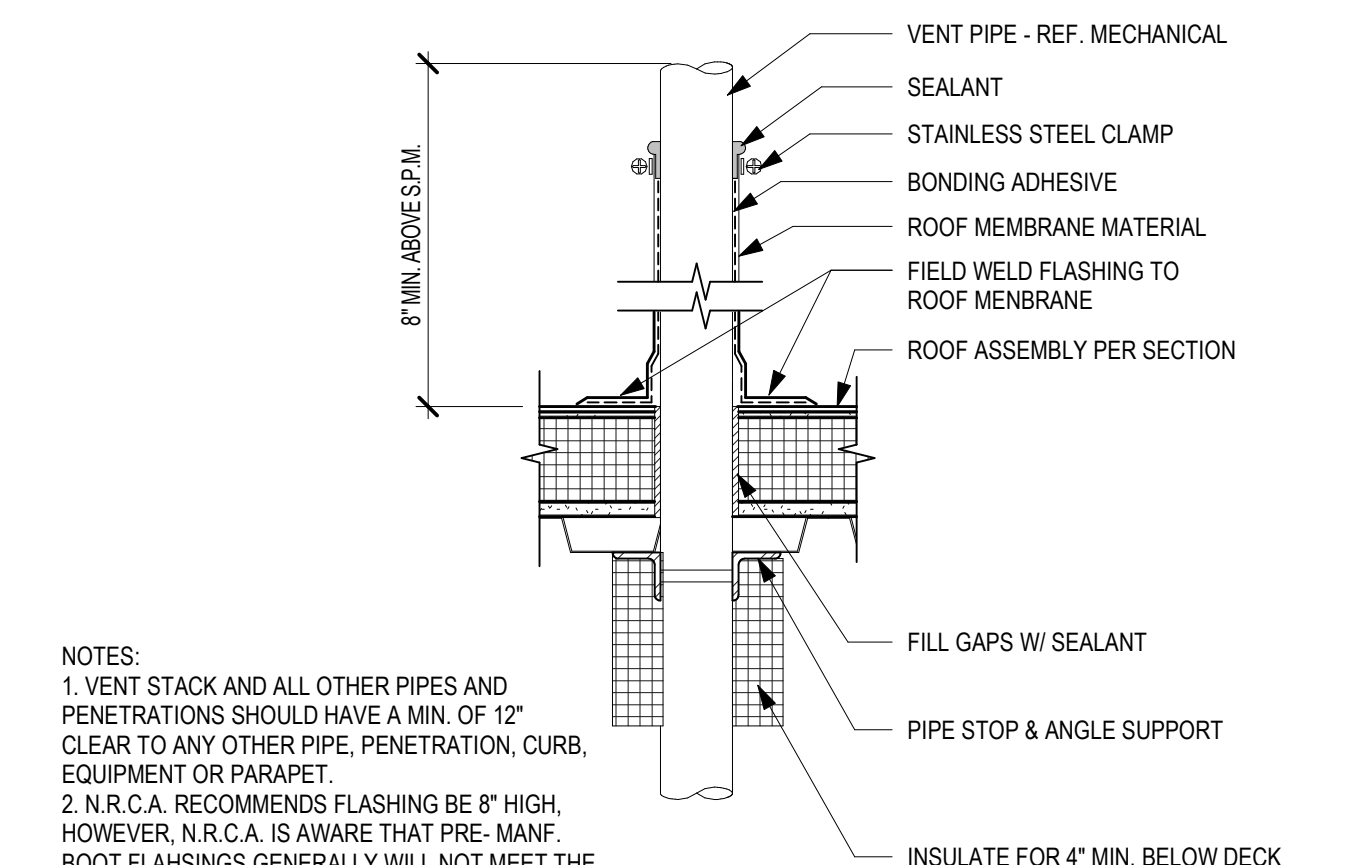
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A6.02
ROOF TO FIRE WALL
1 1/2" = 1'-0"



12
A6.02
SKYLIGHT - RAKE AND RAFTER
3" = 1'-0"

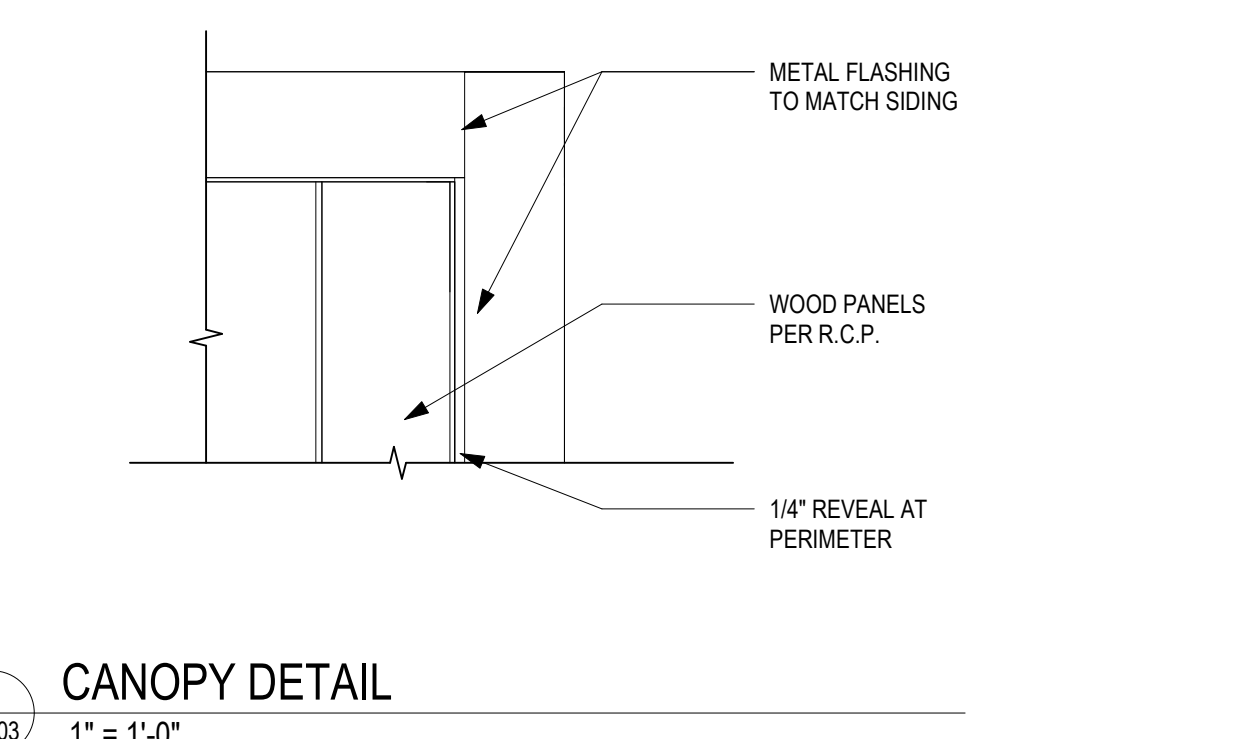
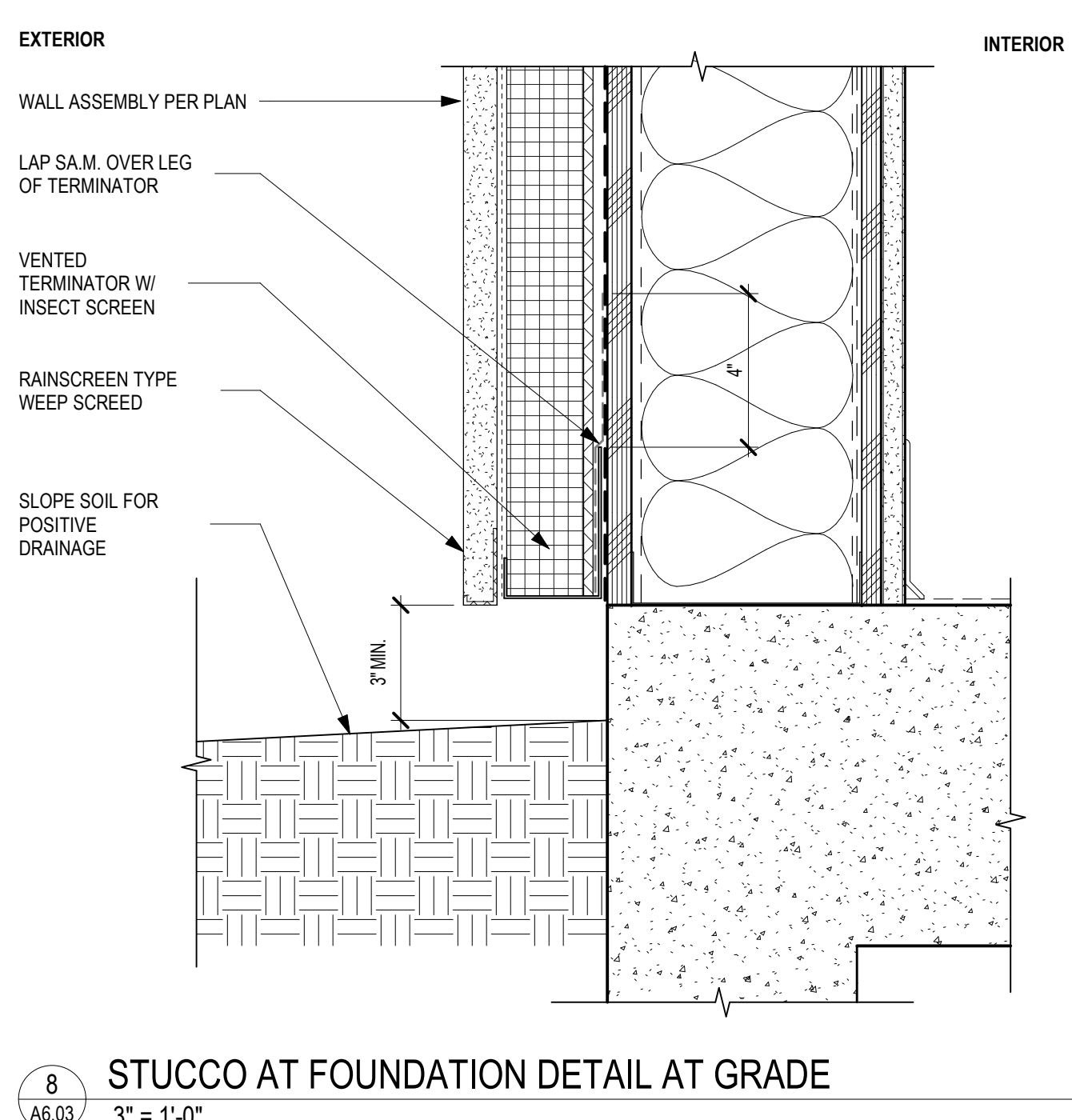
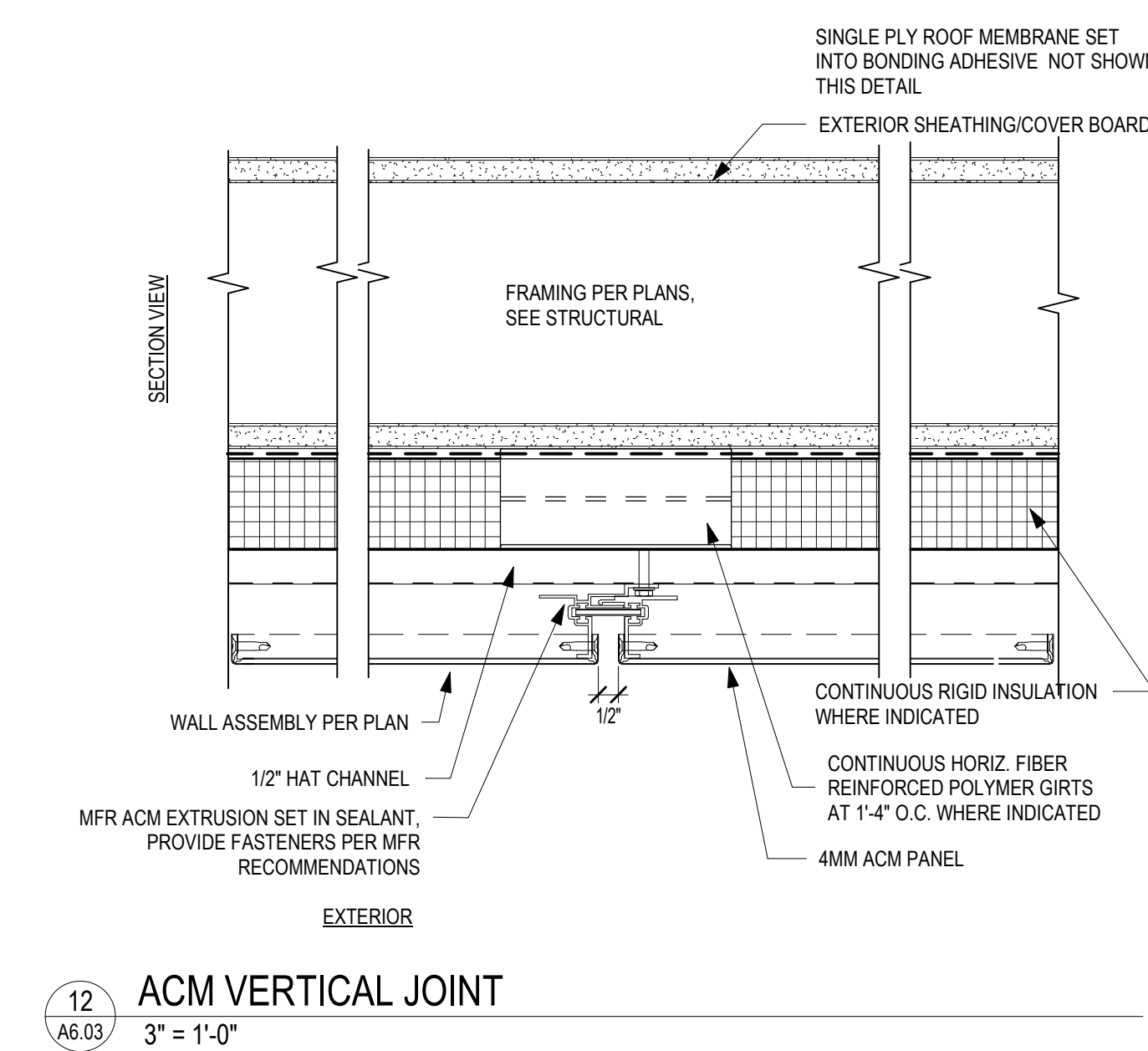
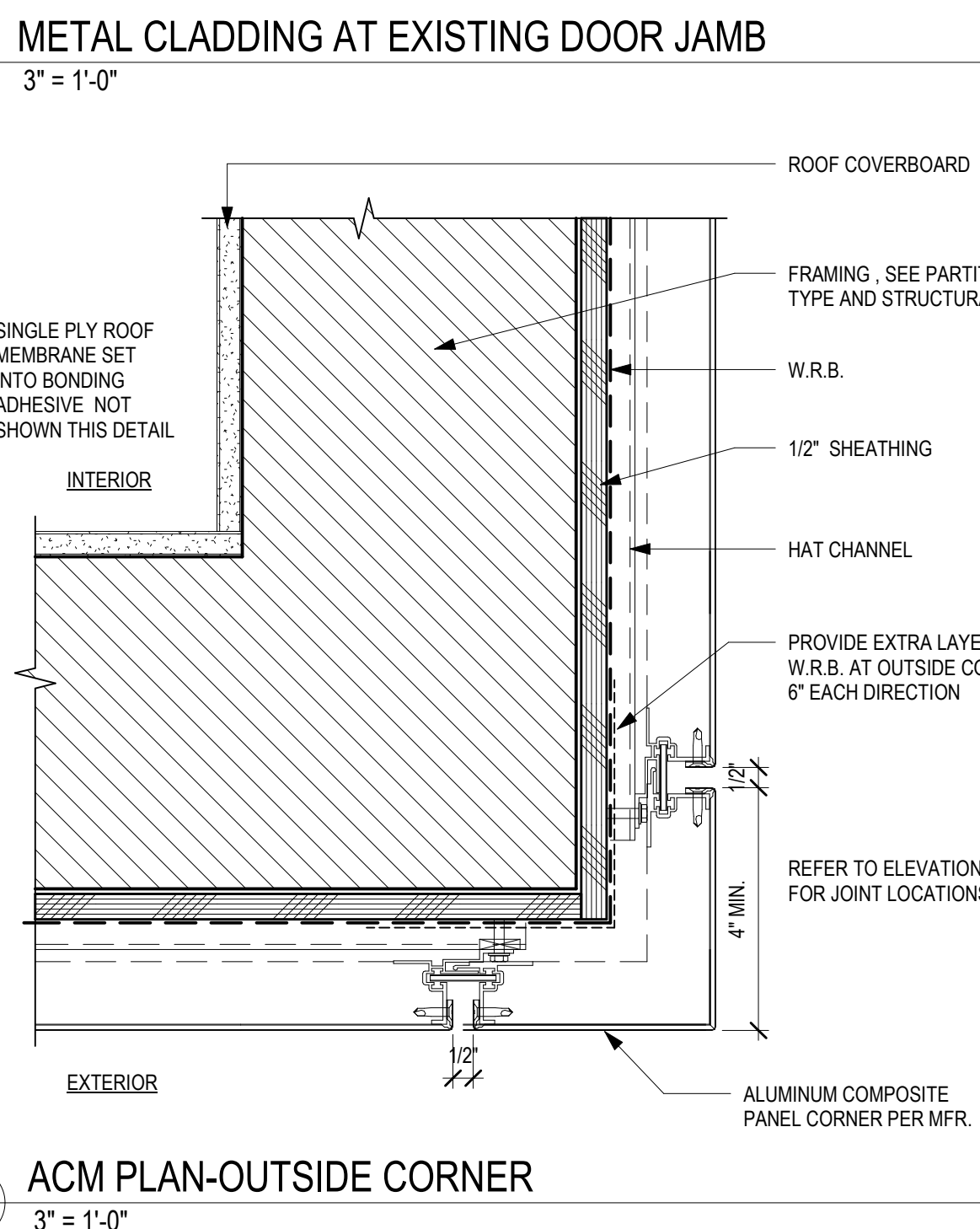
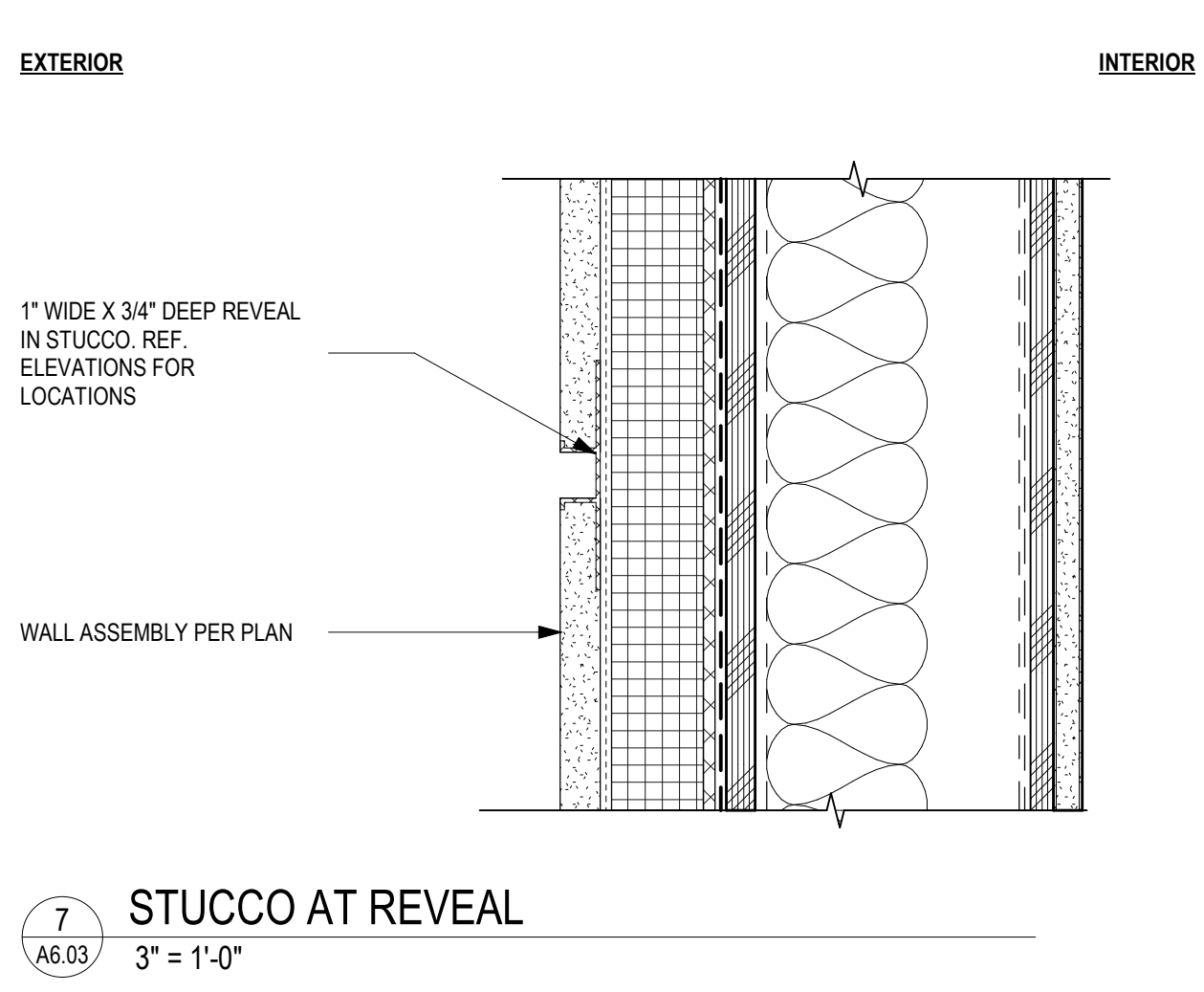
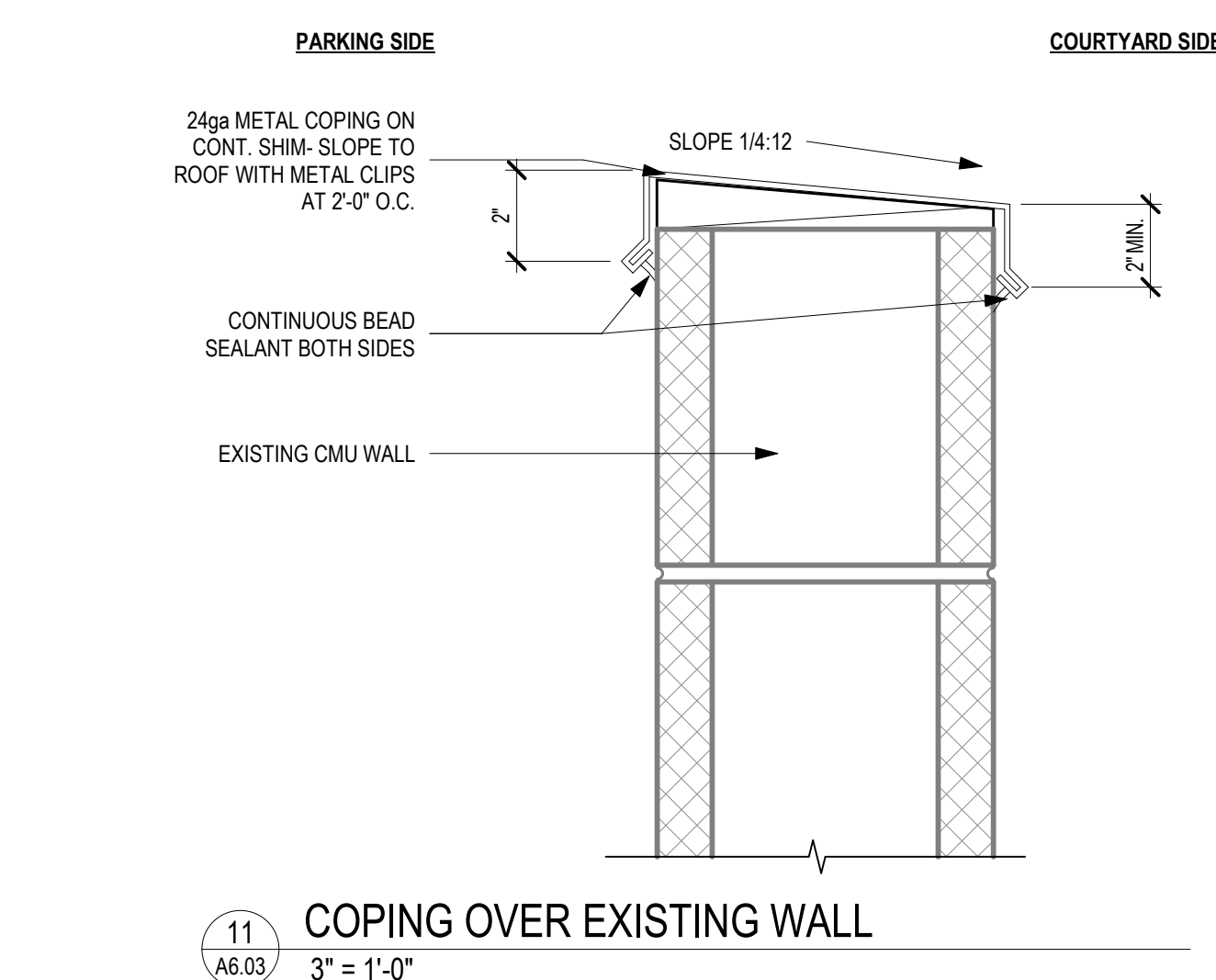
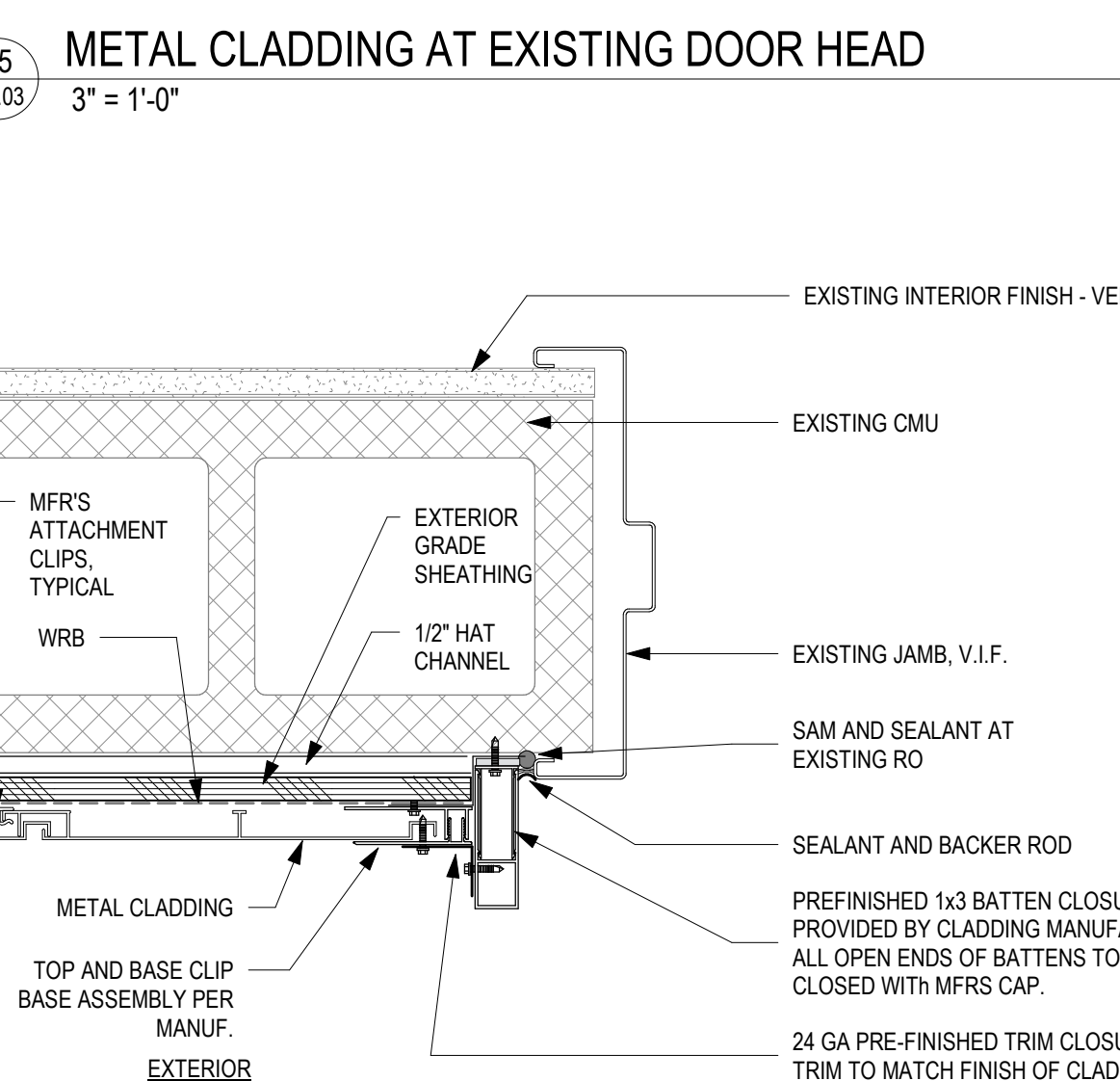
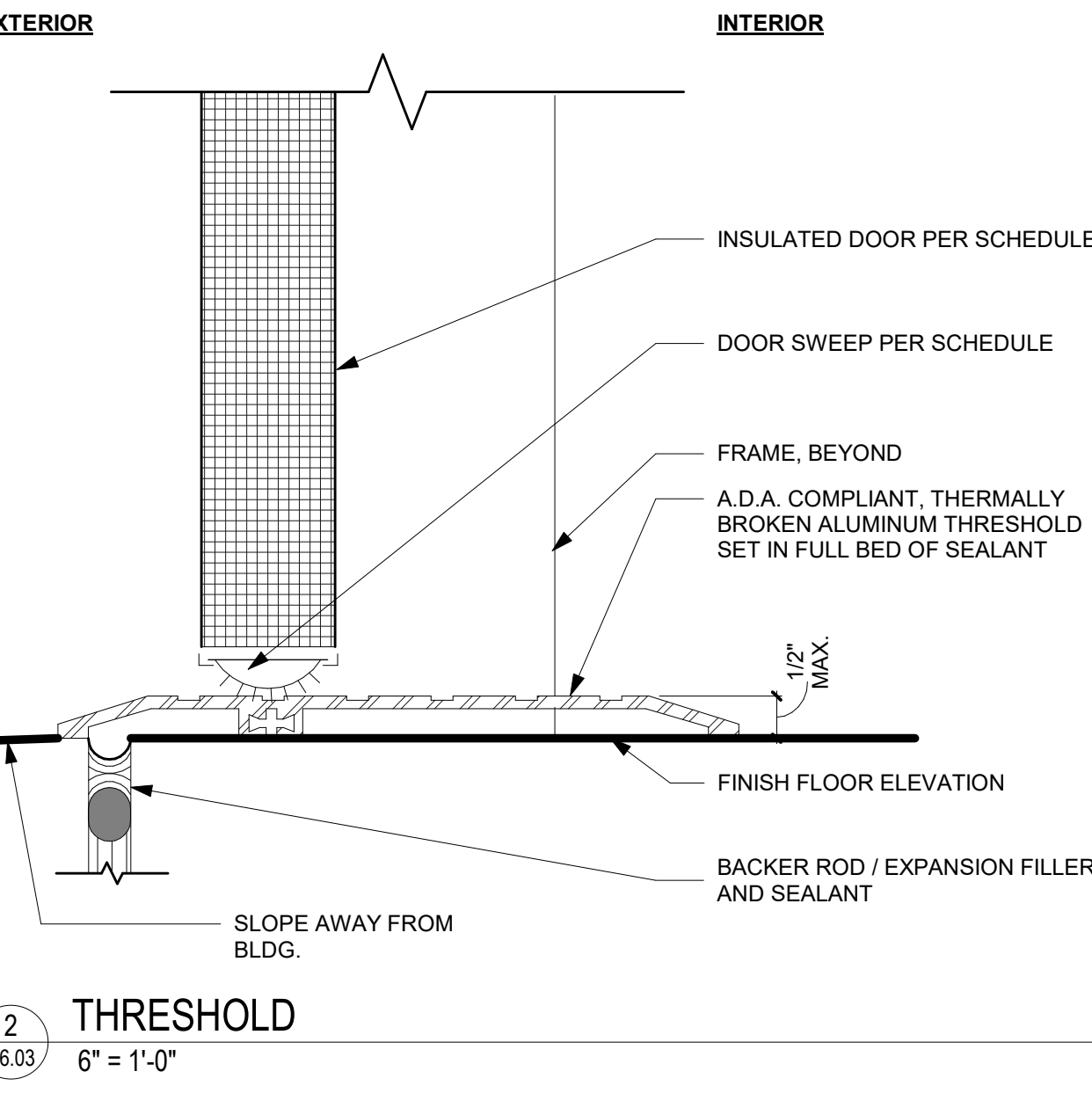
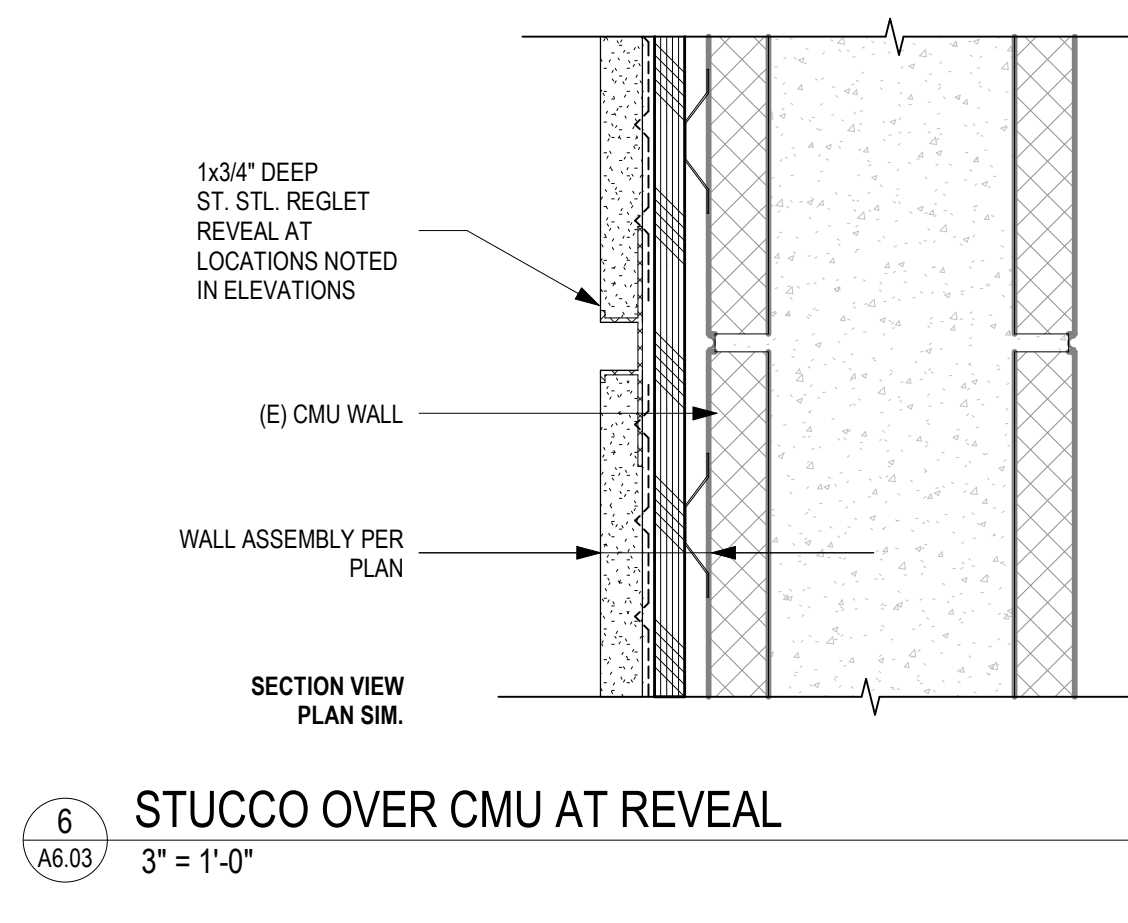
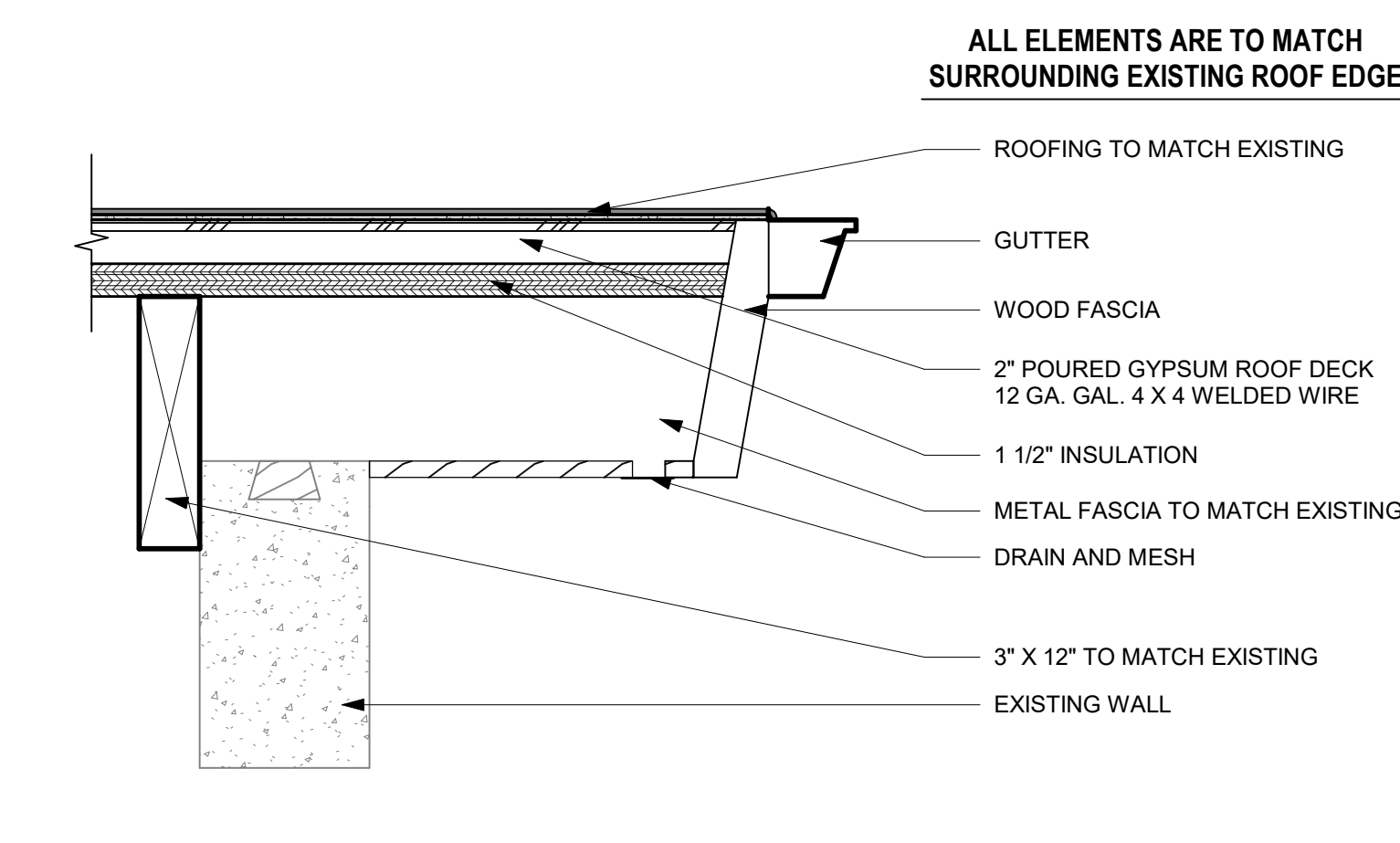
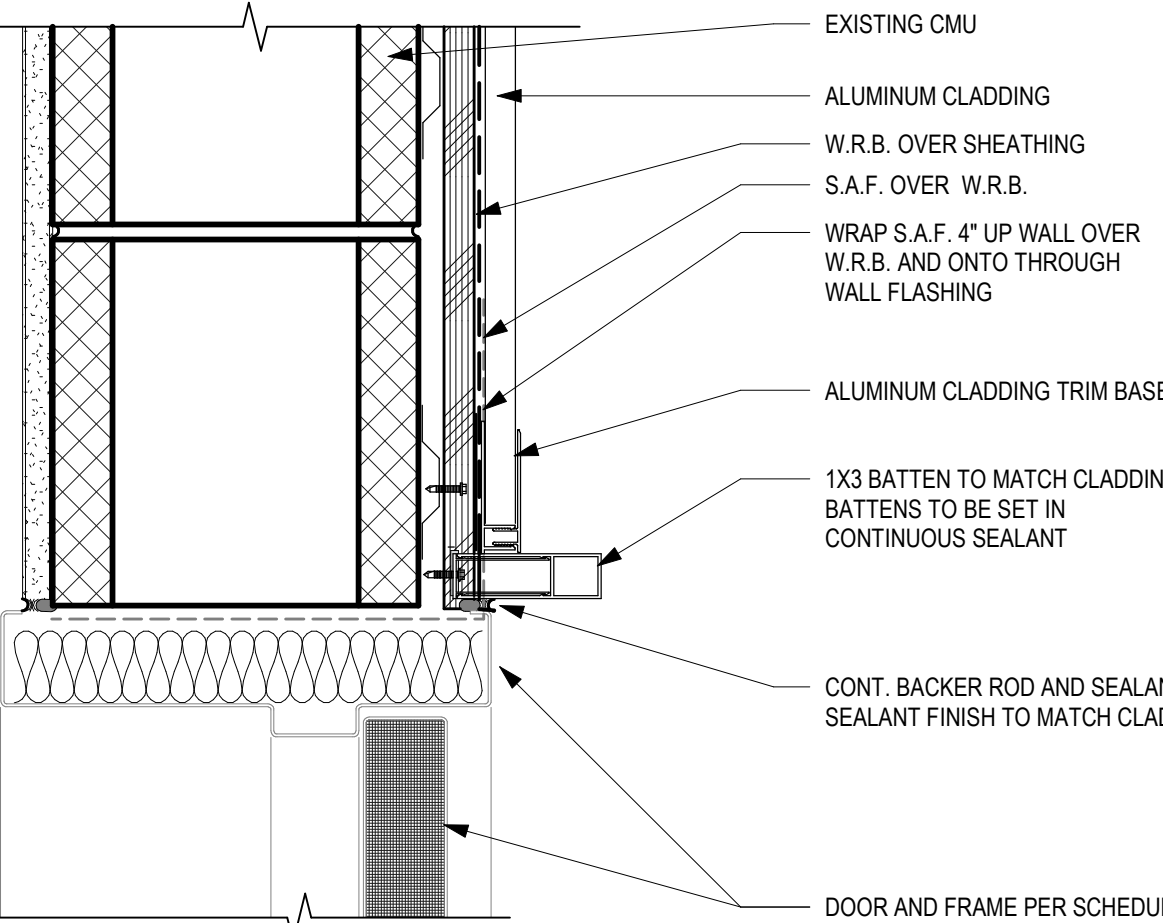
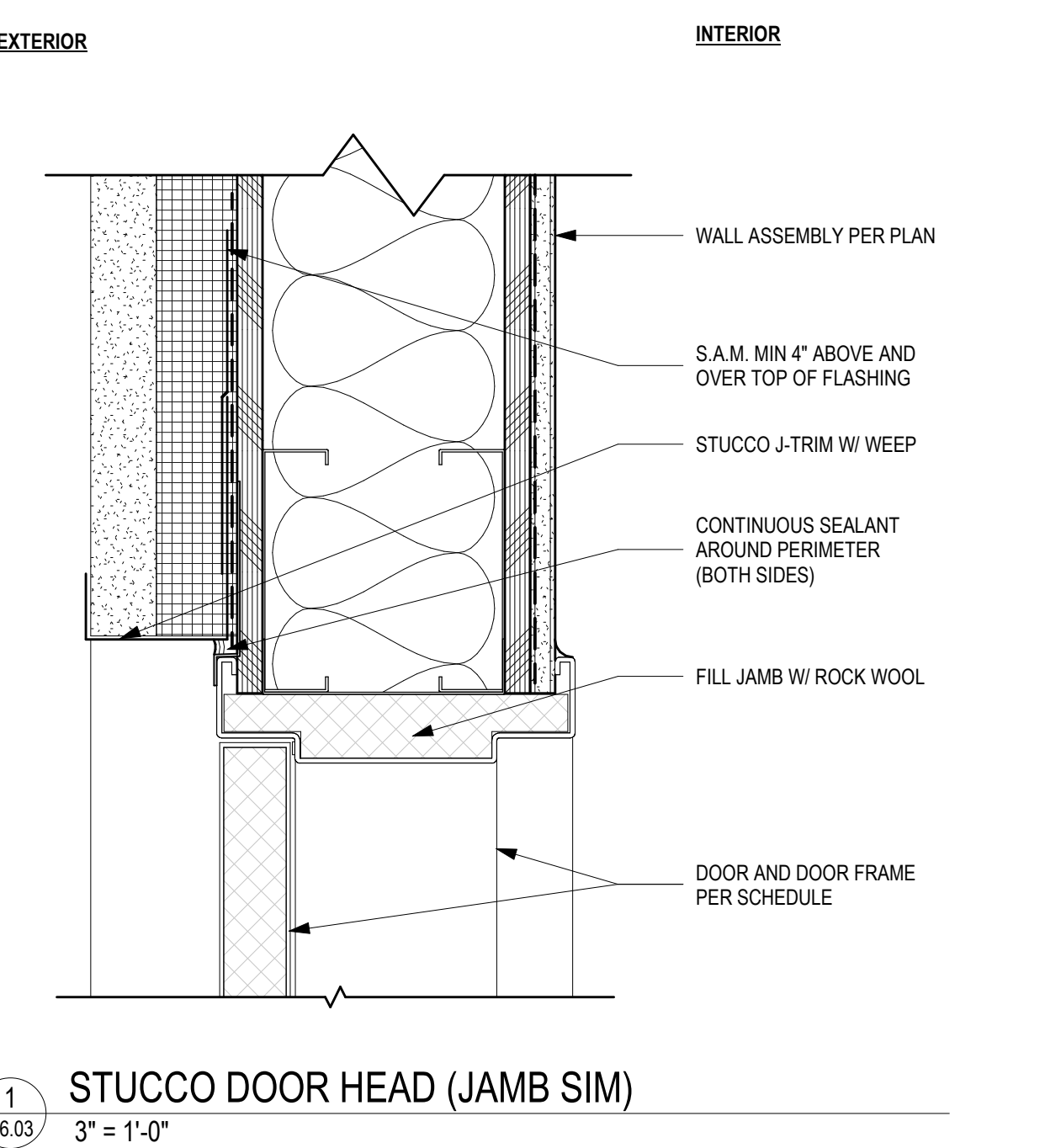
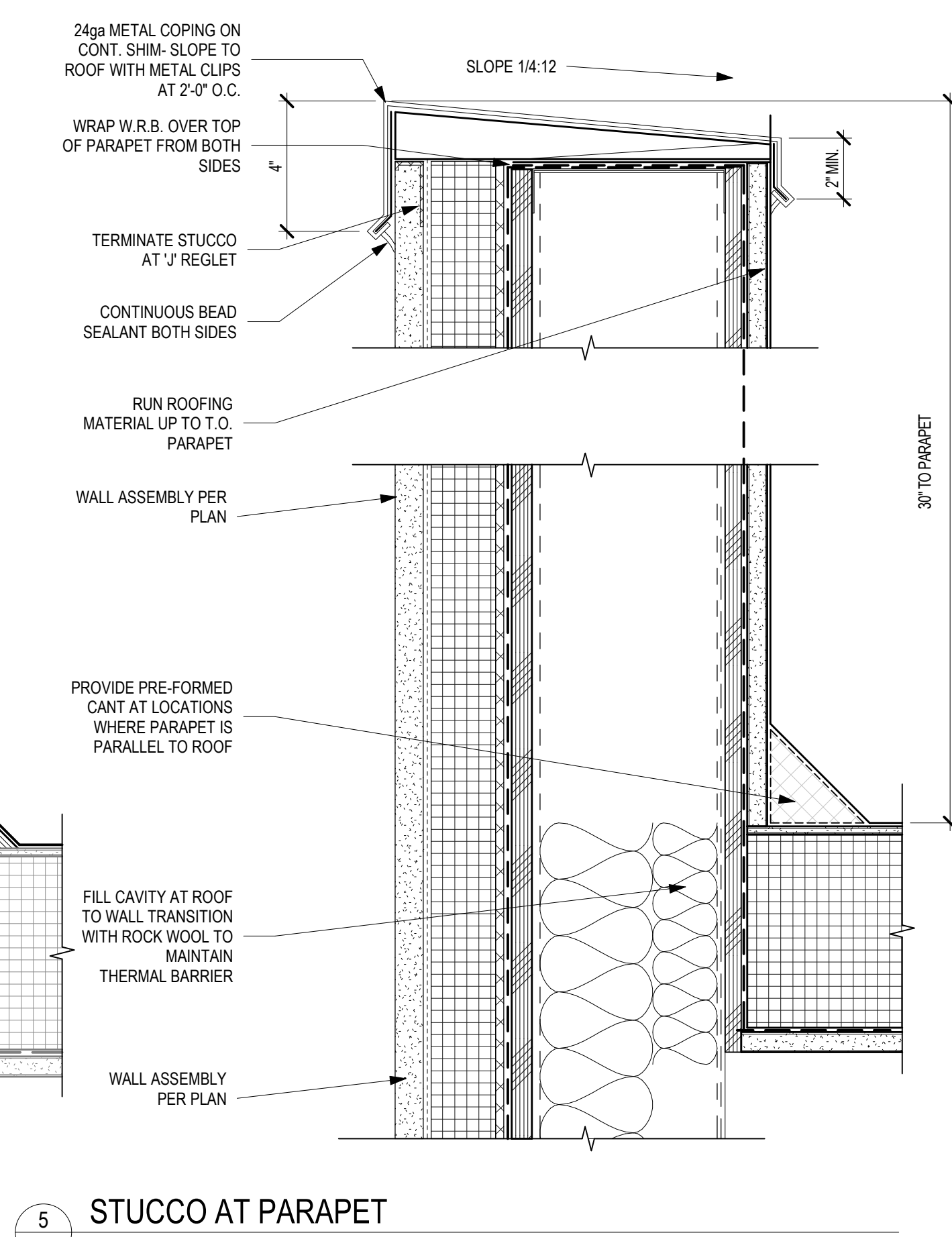
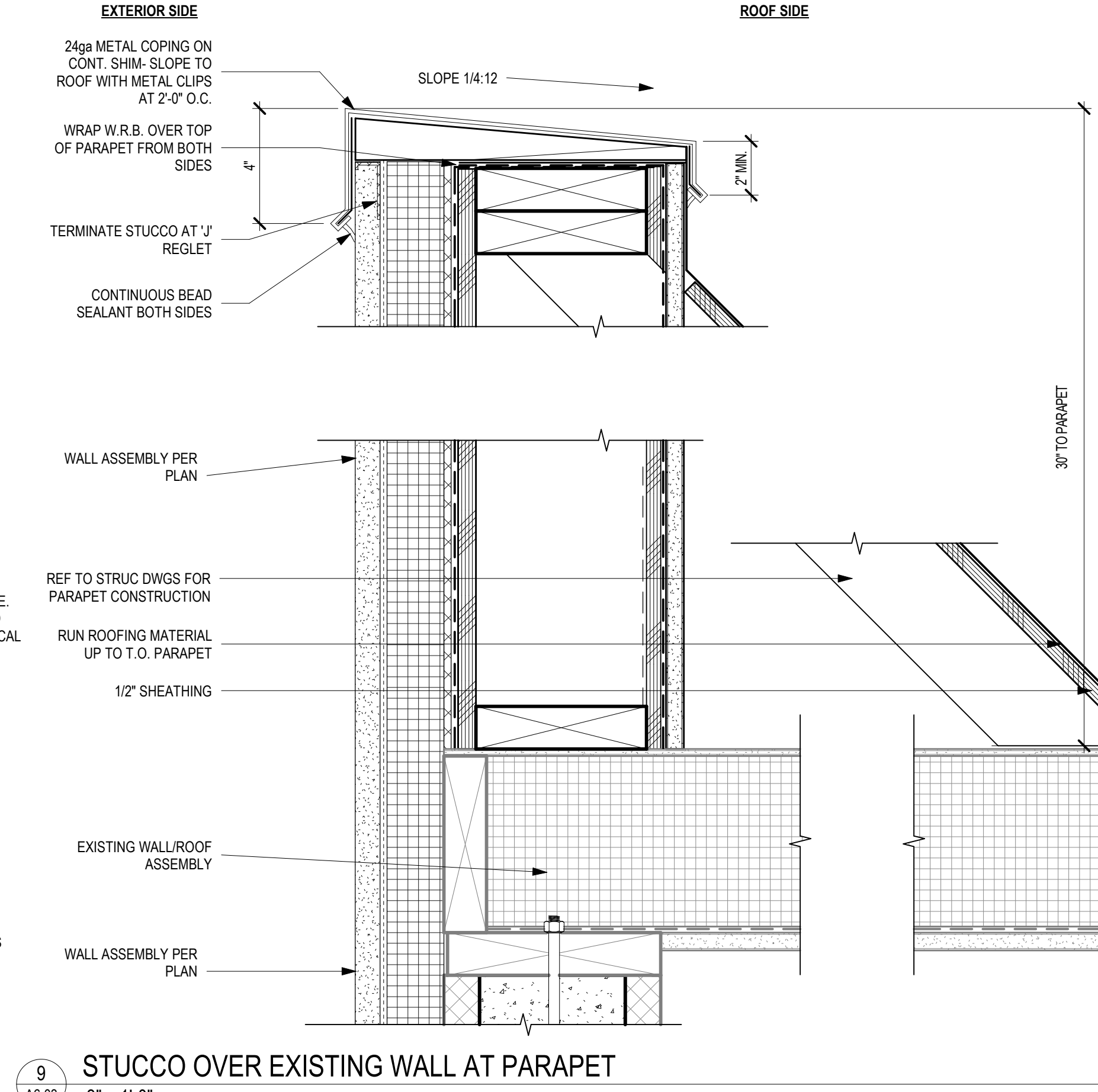
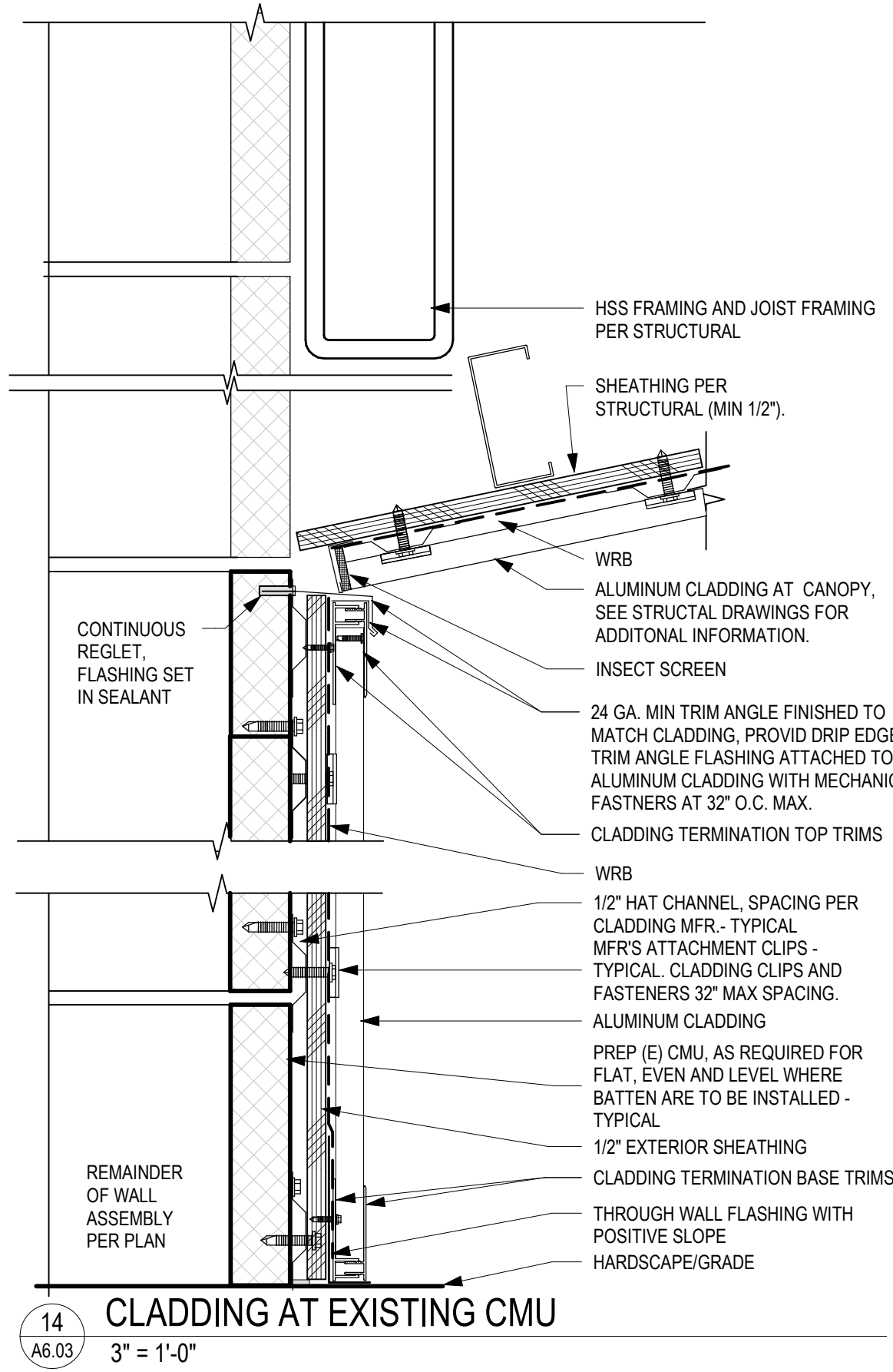
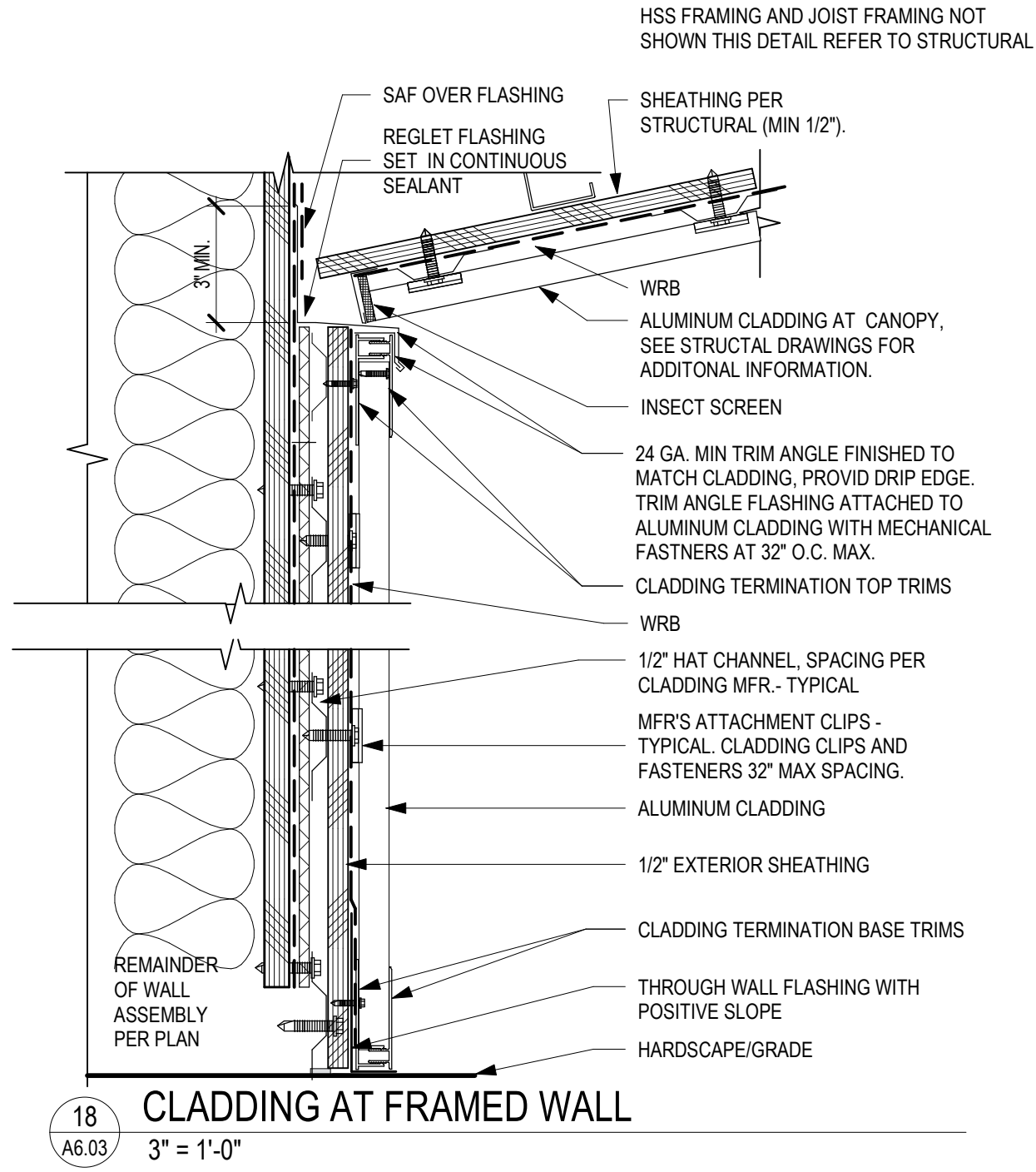


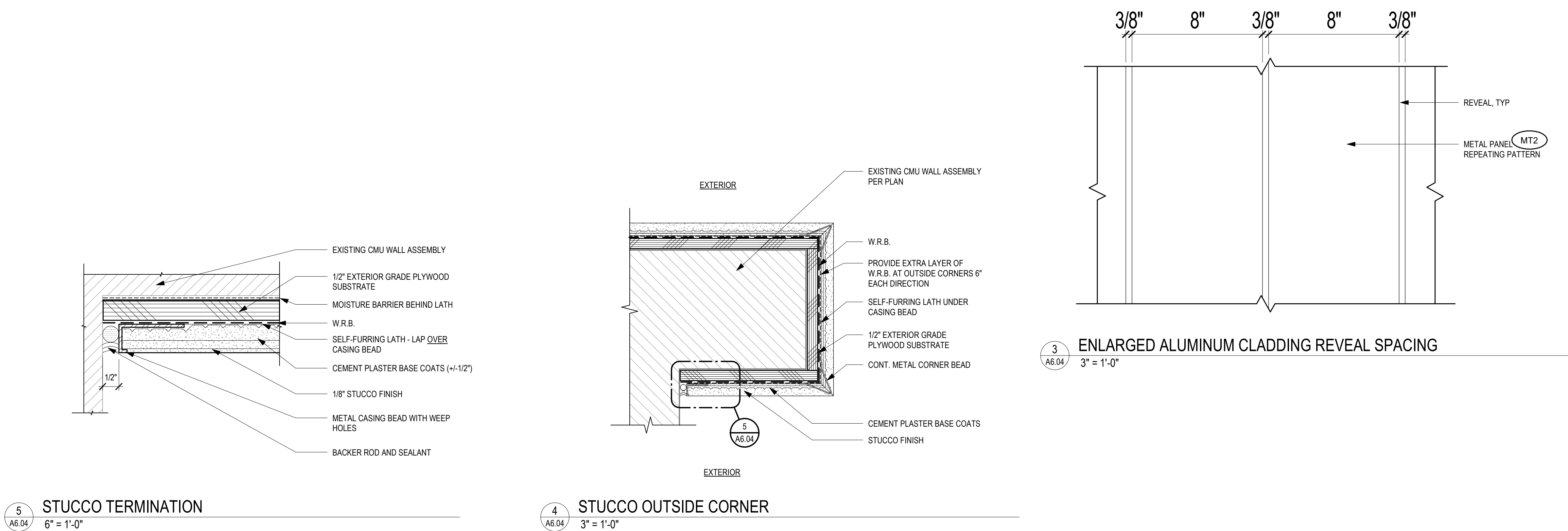
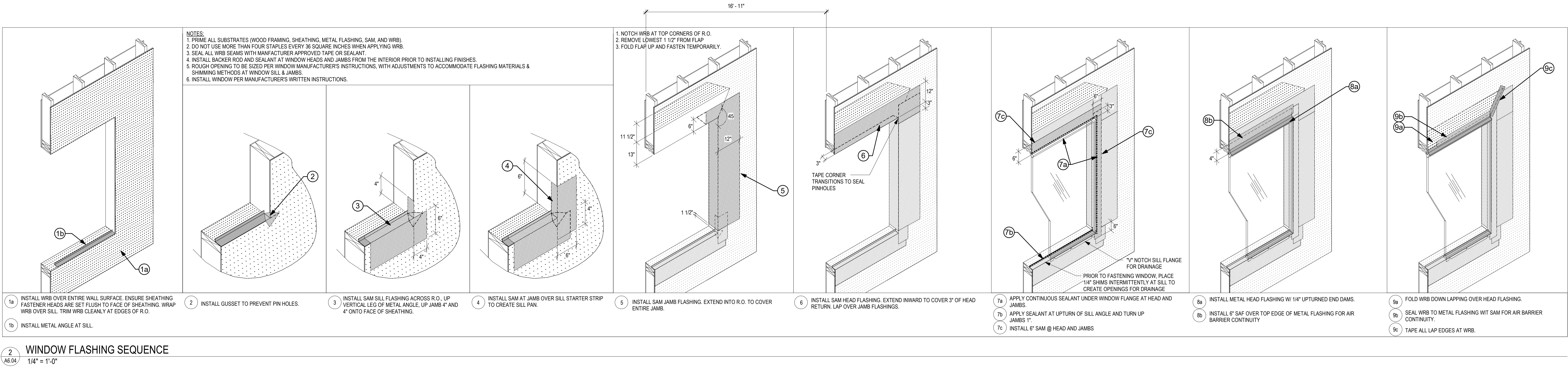
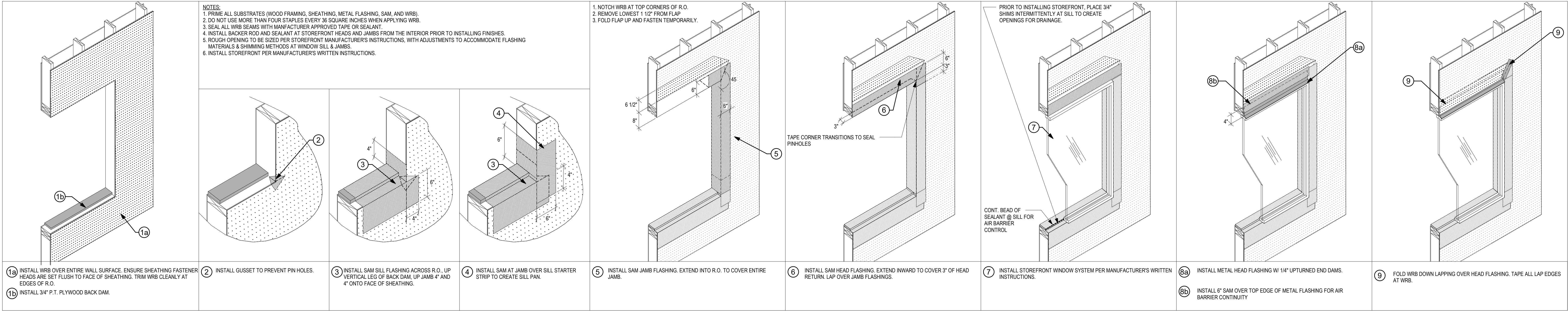
8
A6.02
ROOF DRAIN AND OVERFLOW
1" = 1'-0"



NOTES:
1. VENT STACK AND ALL OTHER PIPES AND PENETRATIONS SHOULD HAVE A MIN. OF 12\"/>

4
A6.02
VENT THROUGH S.P.M. ROOF
1 1/2" = 1'-0"





ISSUE DATE: 06.27.2025

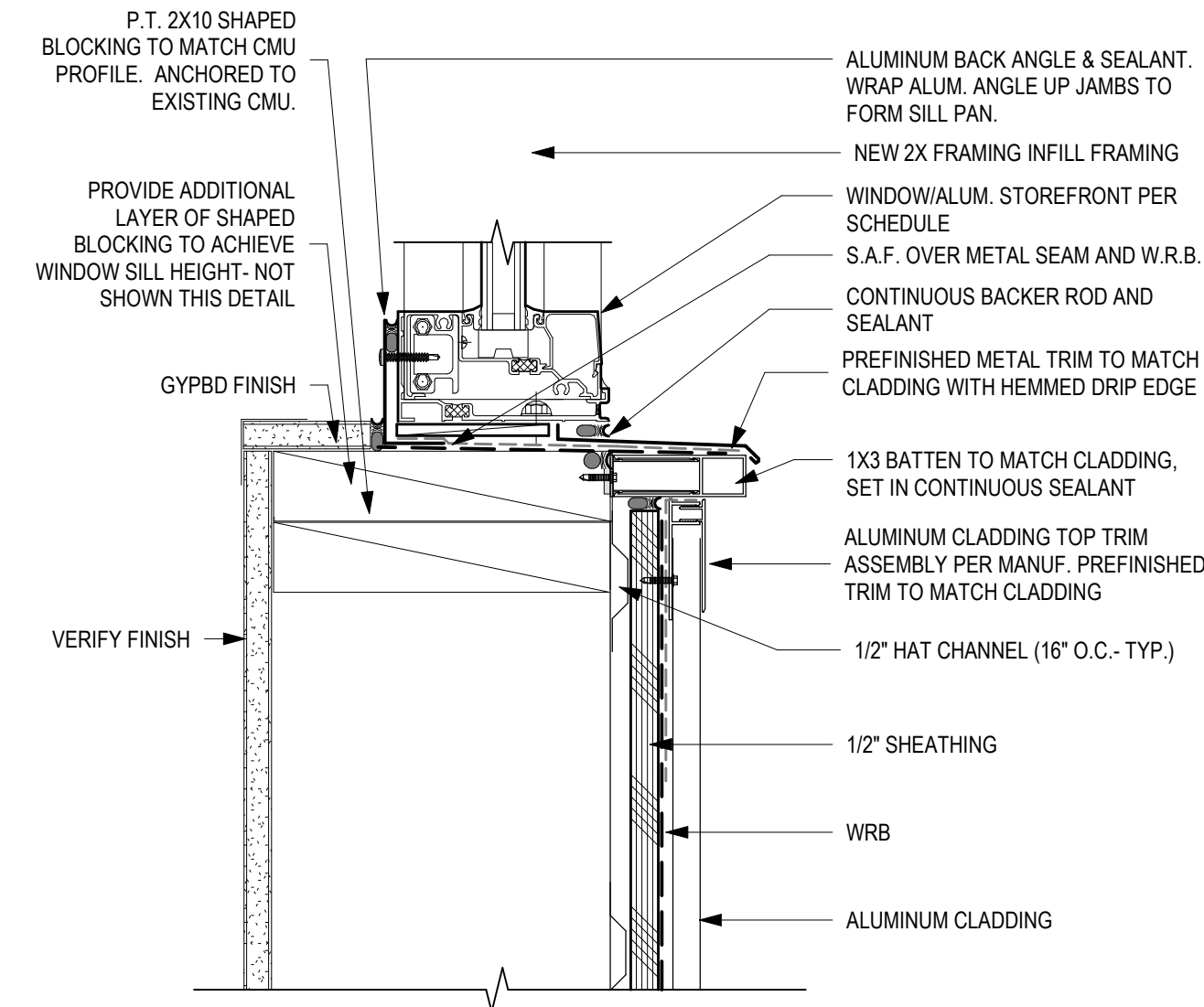
REVISIONS:

1 County Comments 08/19/2025

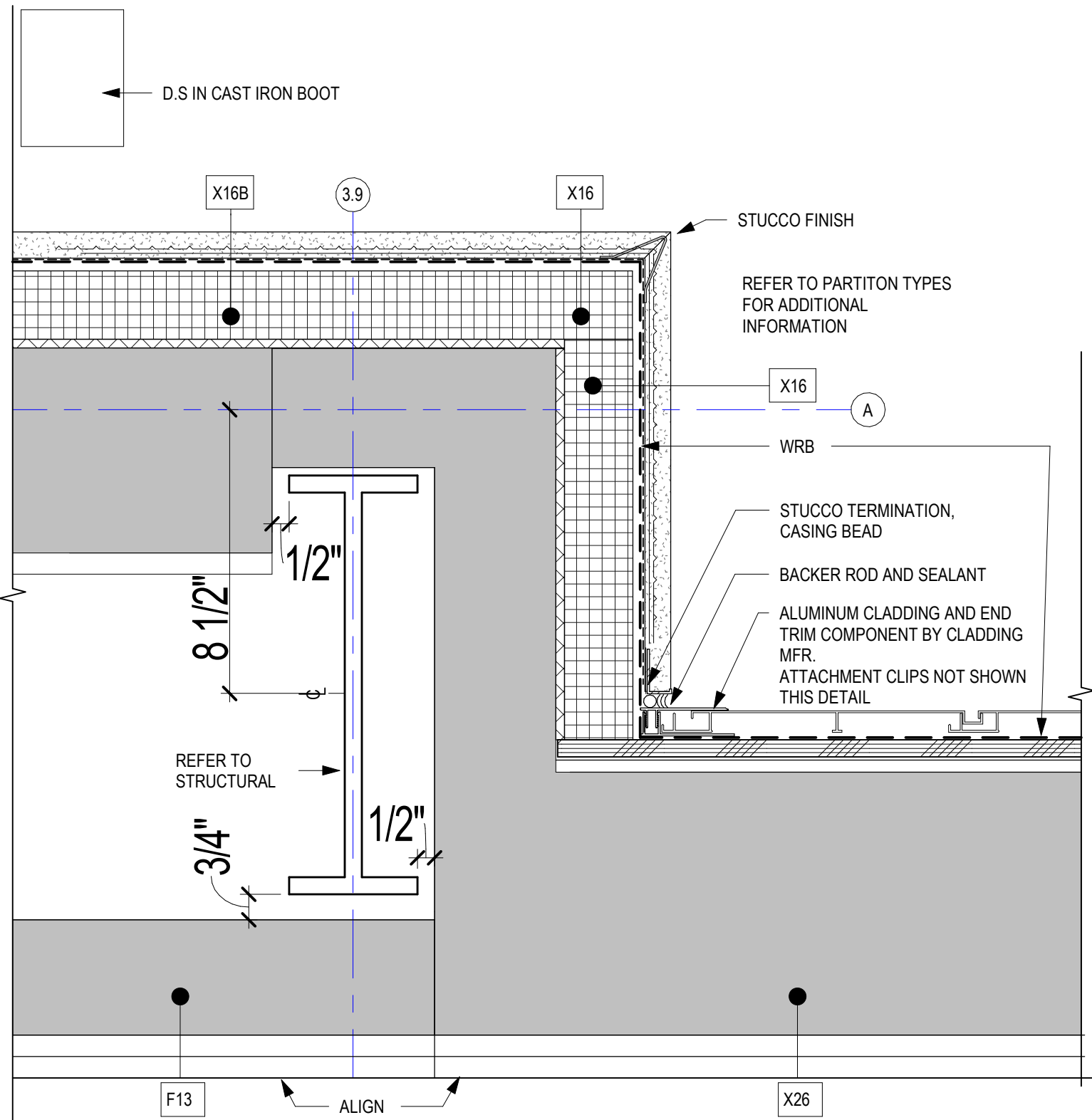
EXTERIOR DETAILS

A6.04

PROJECT NO.: 25015



1 SILL DETAIL AT WINDOW WITH METAL CLADDING
3" = 1'-0"



2 COLUMN WRAP AT ENTRY
3" = 1'-0"

MacLAREN INFIRMARY & PHARMACY
RENOVATION
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071

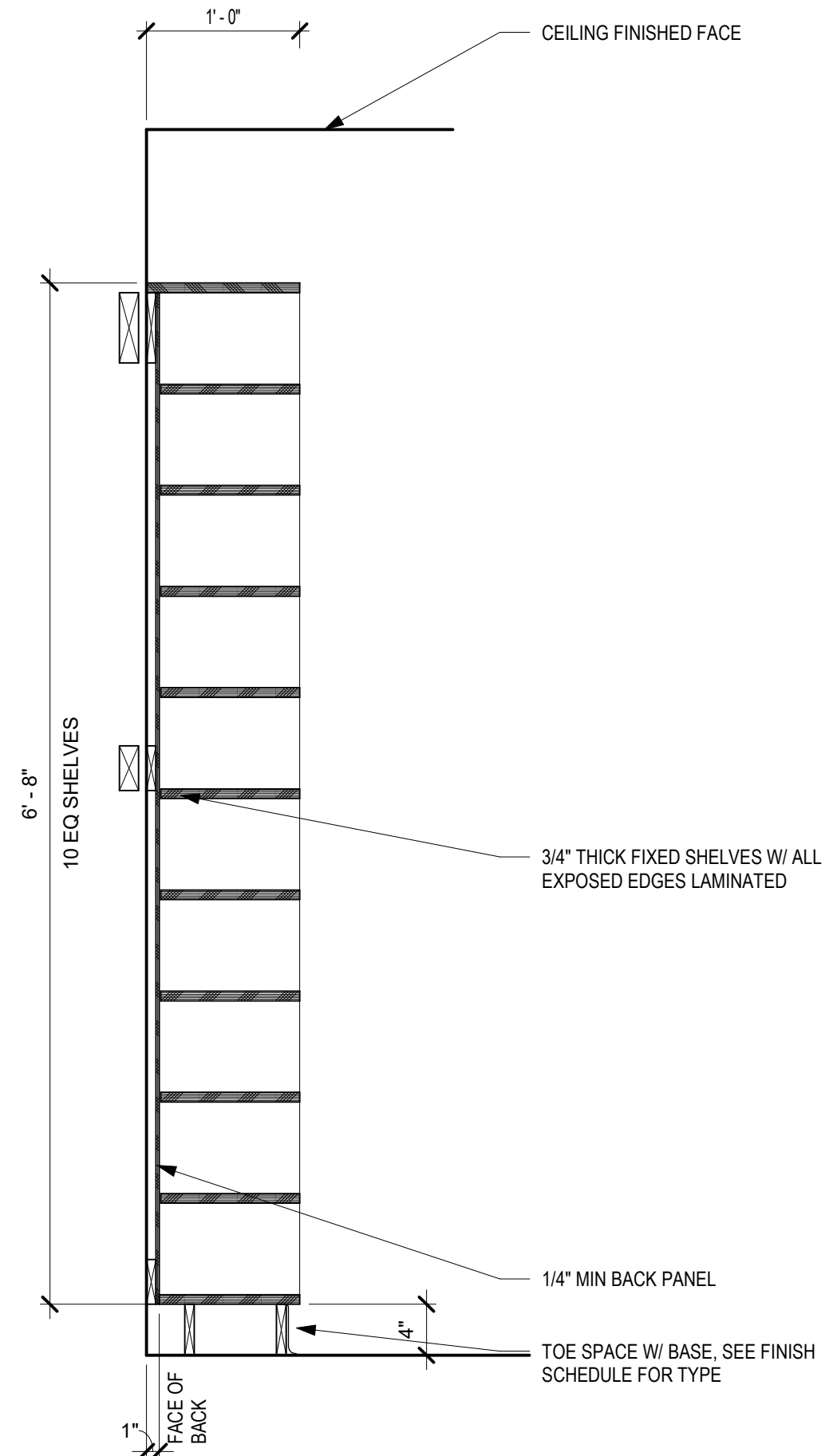


ISSUE DATE: 06.27.2025
REVISIONS:

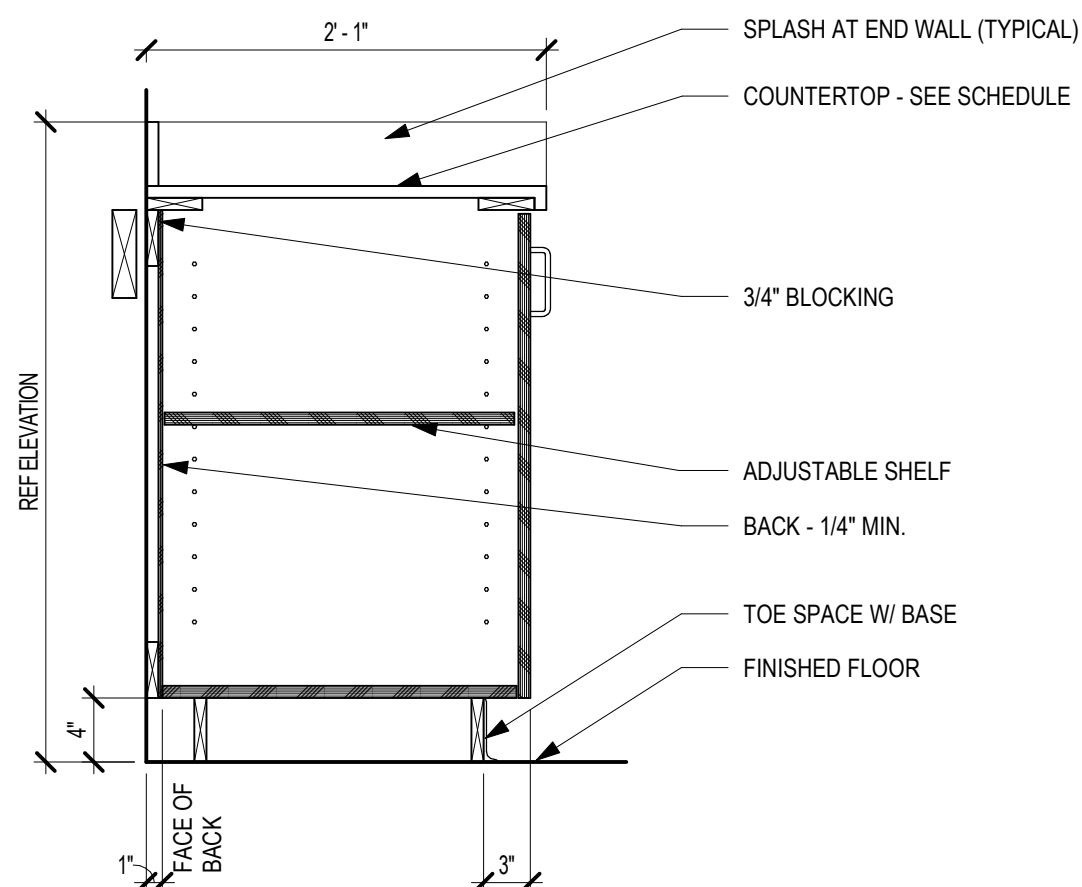
CONSTRUCTION DOCUMENTS

EXTERIOR DETAILS

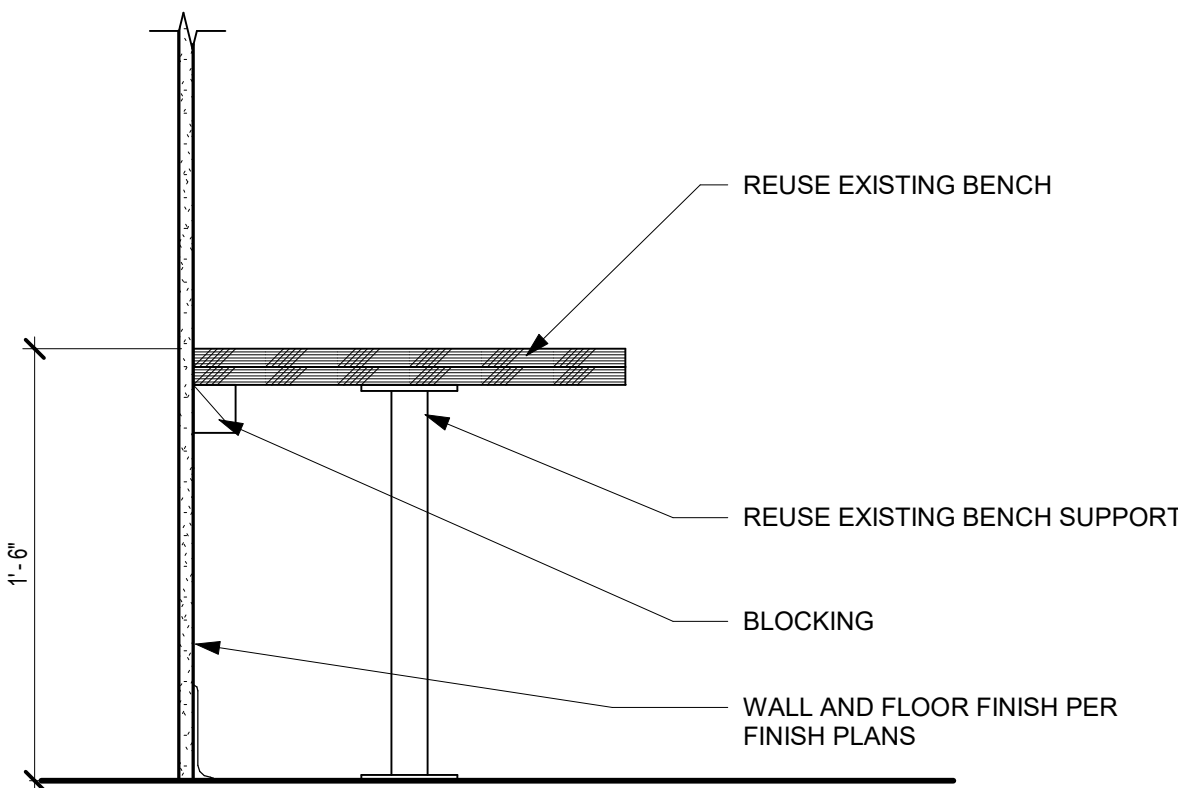
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A7.01
TC - OPEN SHELF
1" = 1'-0"



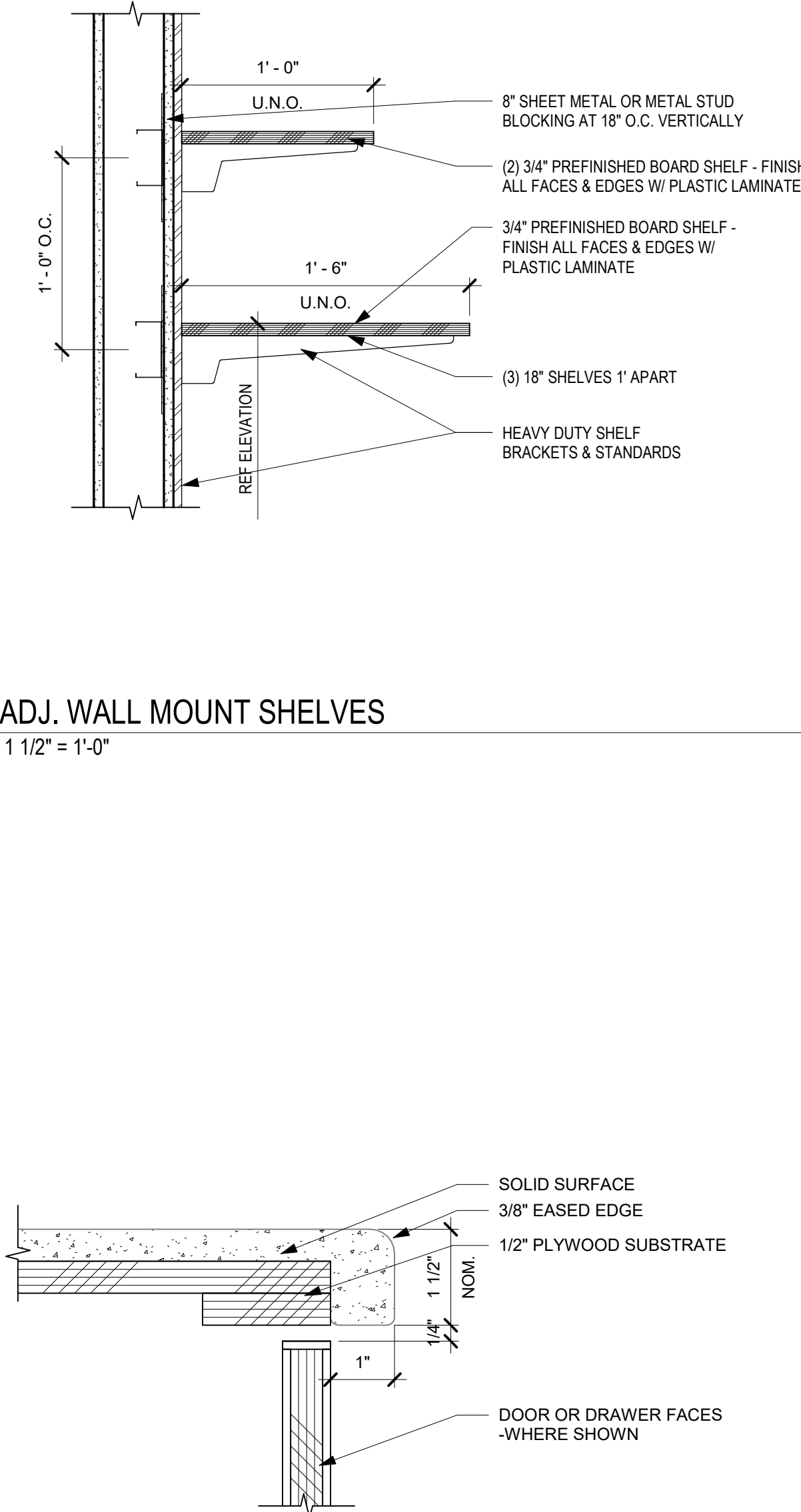
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A7.01
BC - FLUSH DOORS
1" = 1'-0"



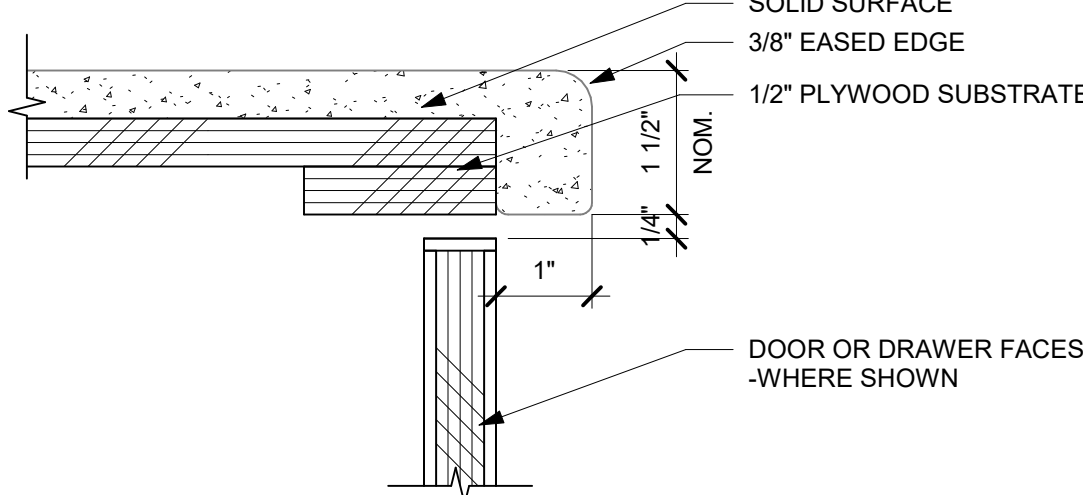
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A7.01
BENCH - WAITING
1 1/2" = 1'-0"



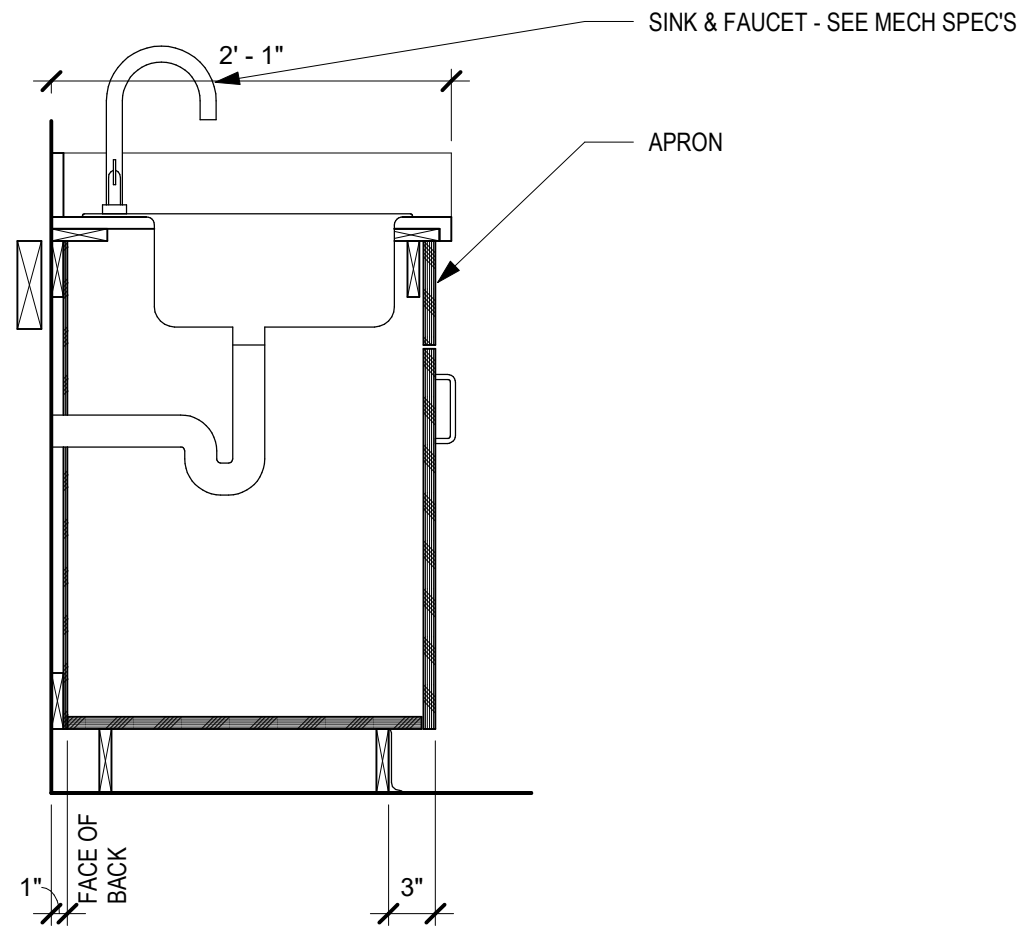
12
A7.01
ADJ. WALL MOUNT SHELVES
1 1/2" = 1'-0"



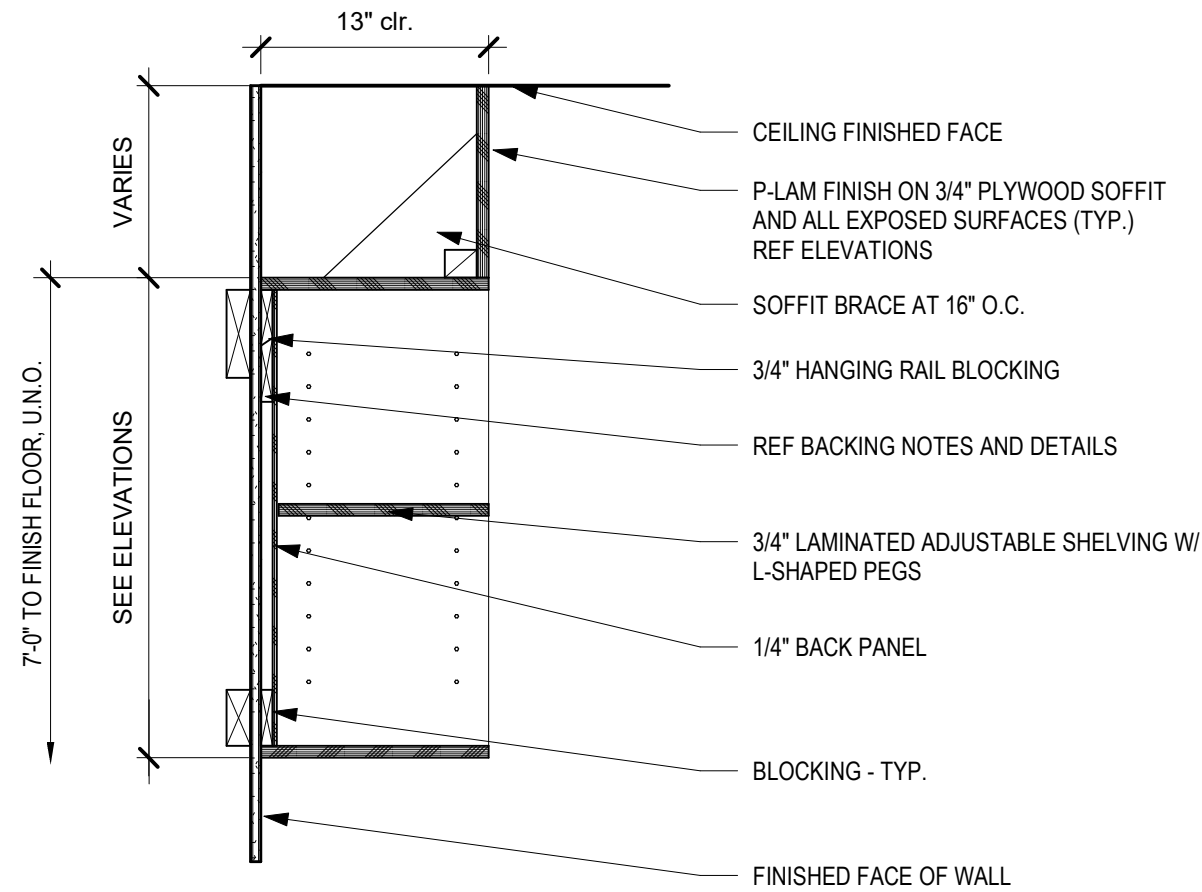
8
A7.01
TYPICAL COUNTER EDGES
6" = 1'-0"



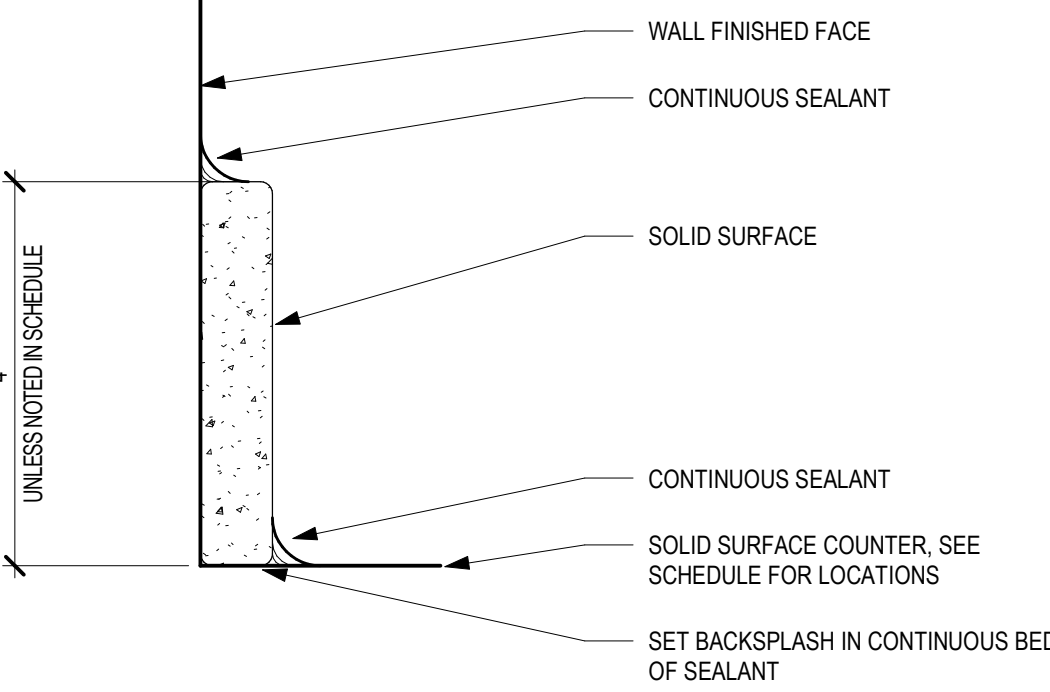
13
A7.01
BC - W/ SINK
1" = 1'-0"



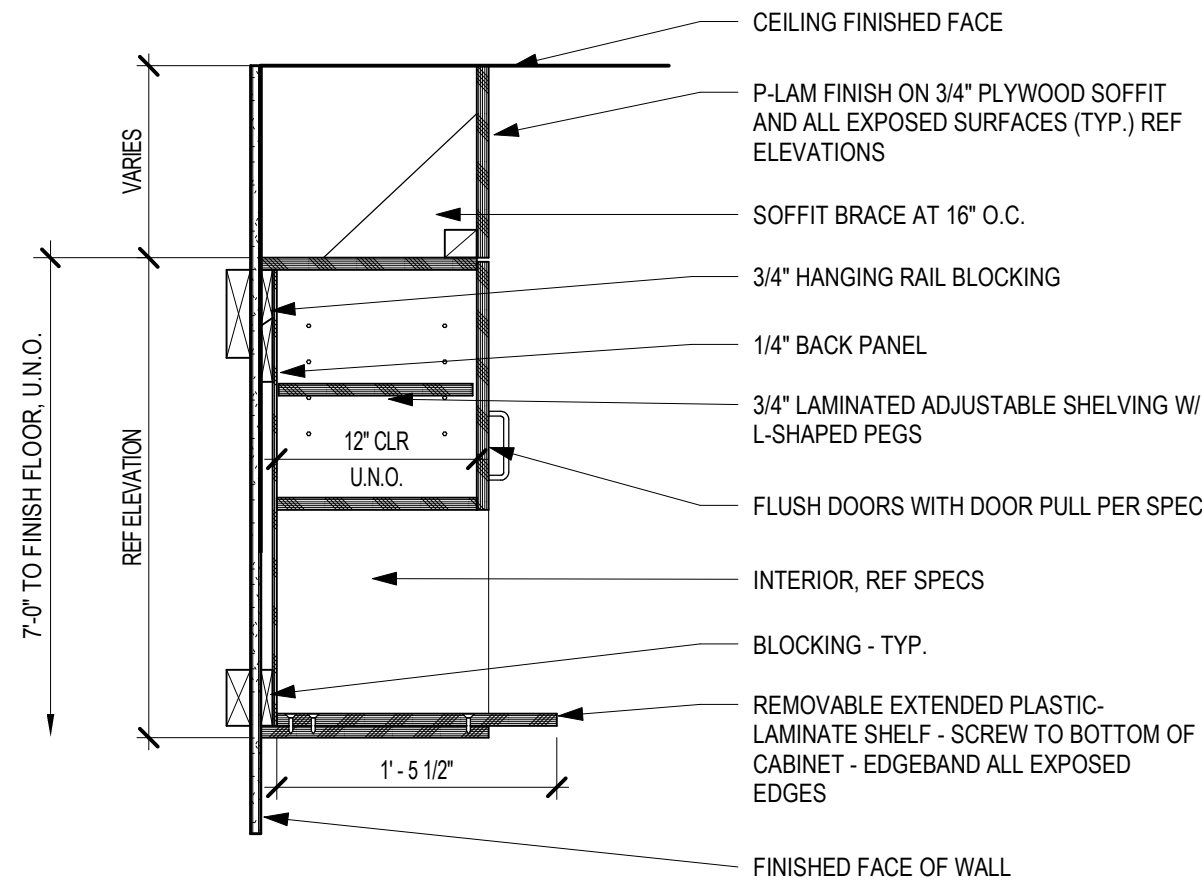
9
A7.01
UC - SHELF CABINET
1" = 1'-0"



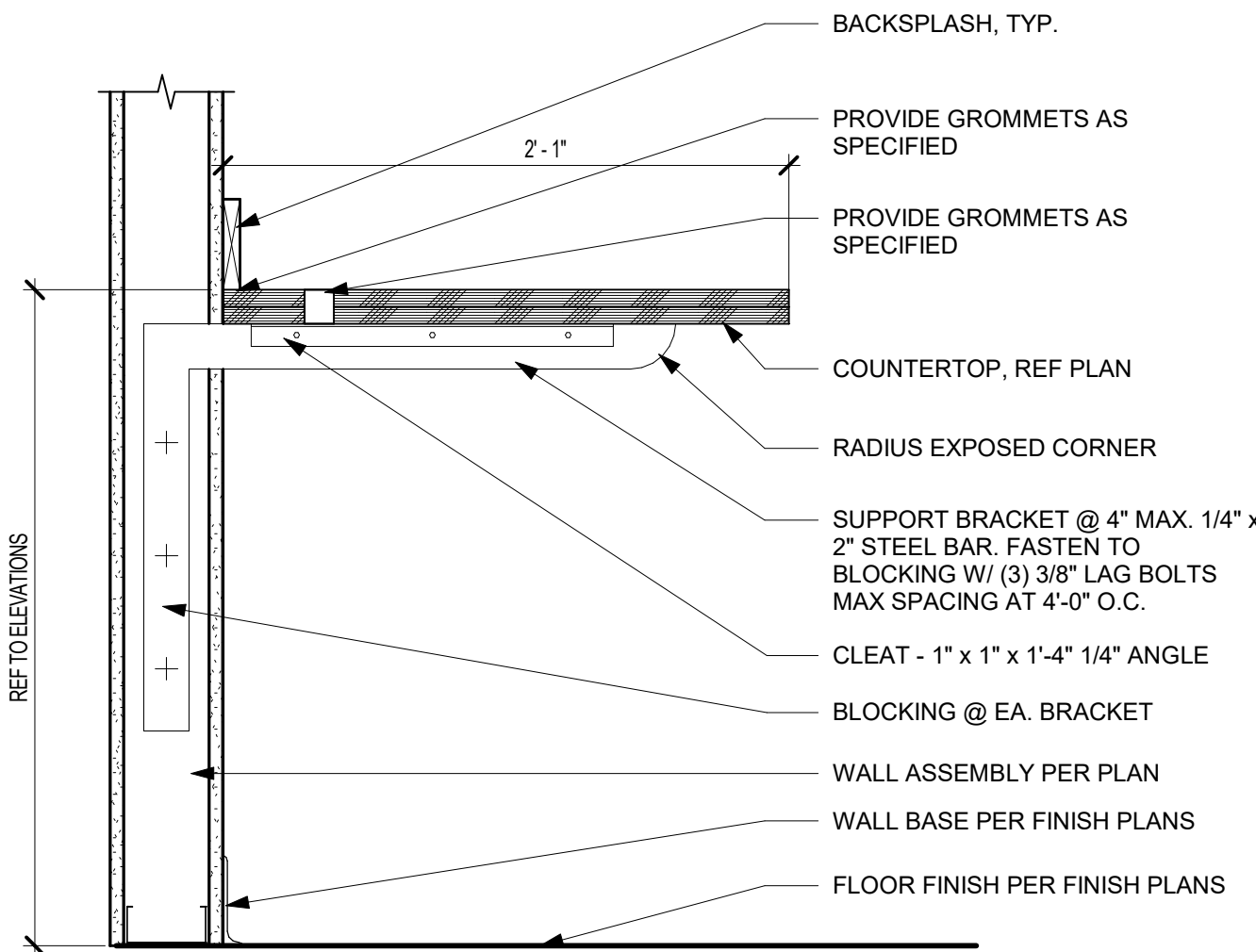
10
A7.01
TYPICAL BACKSPLASH EDGES
6" = 1'-0"



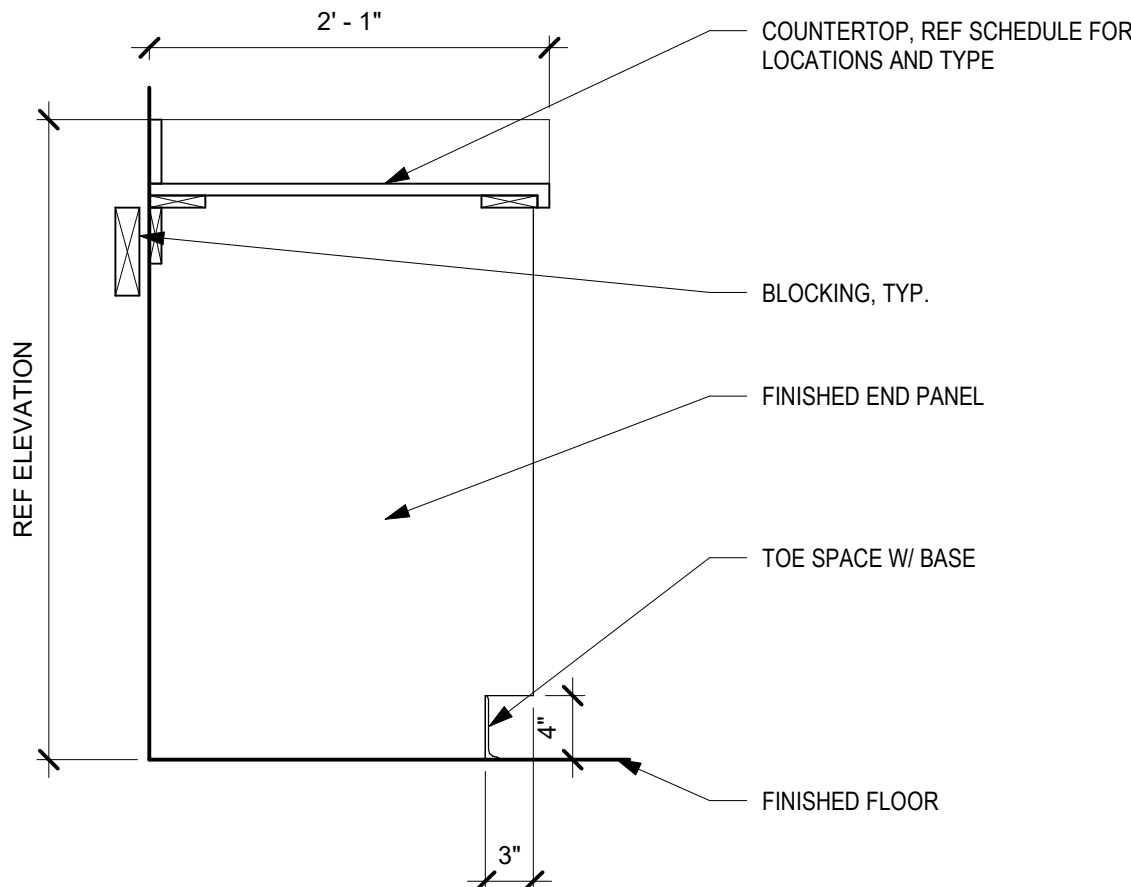
7
A7.01
UC - W/ MICROWAVE SHELF
1" = 1'-0"



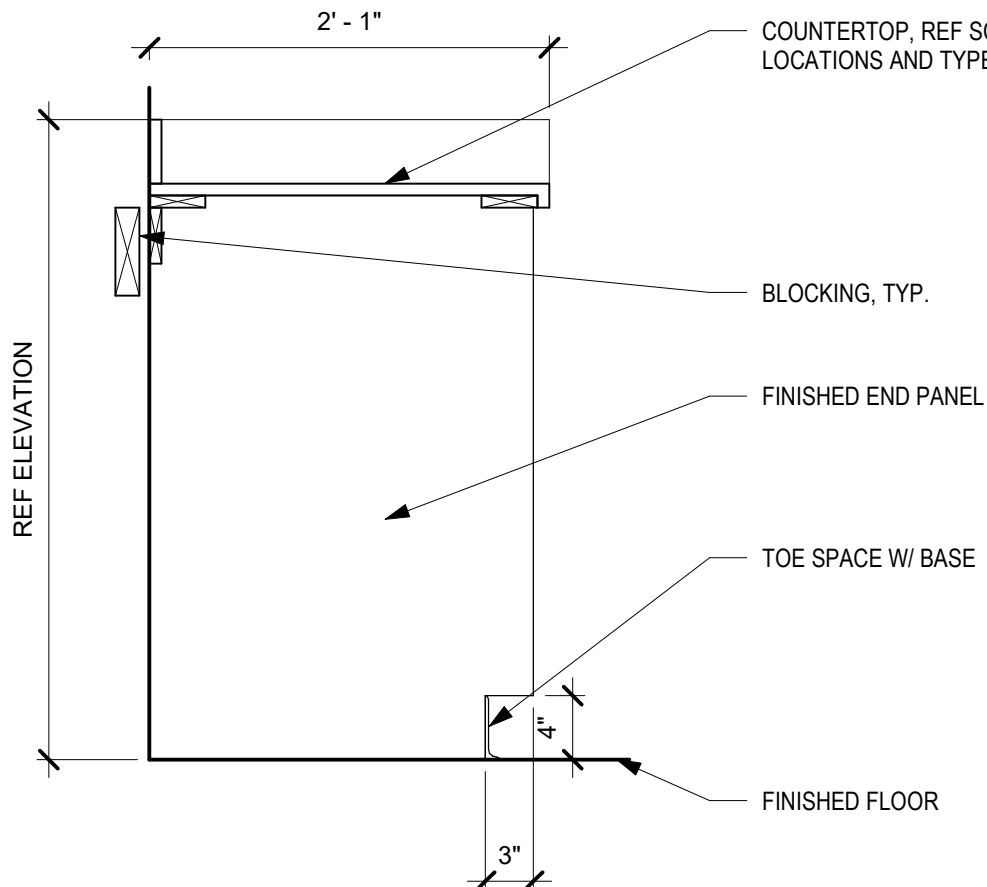
4
A7.01
BC - TYP. CAB. DTL.
1" = 1'-0"



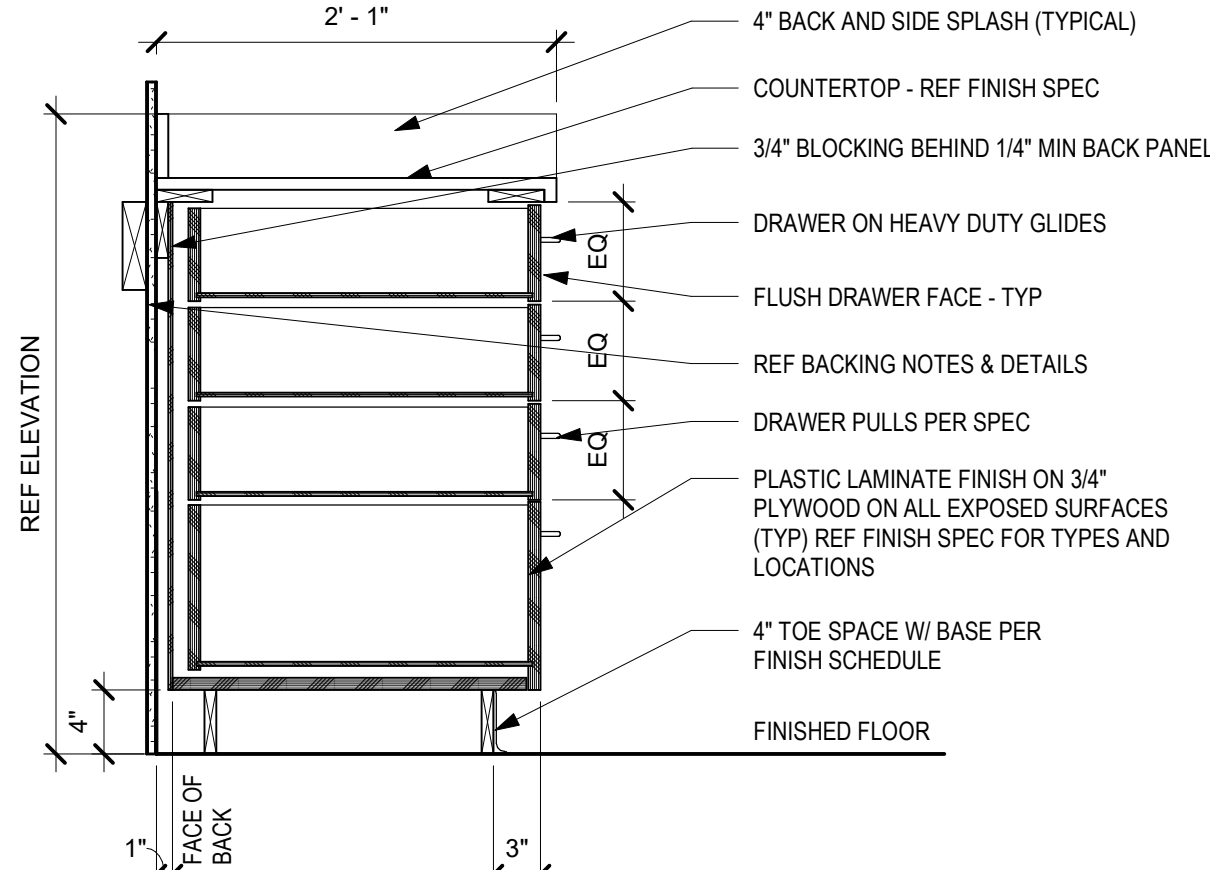
5
A7.01
BC - HIDDEN SUPPORT BRACKETS
1 1/2" = 1'-0"



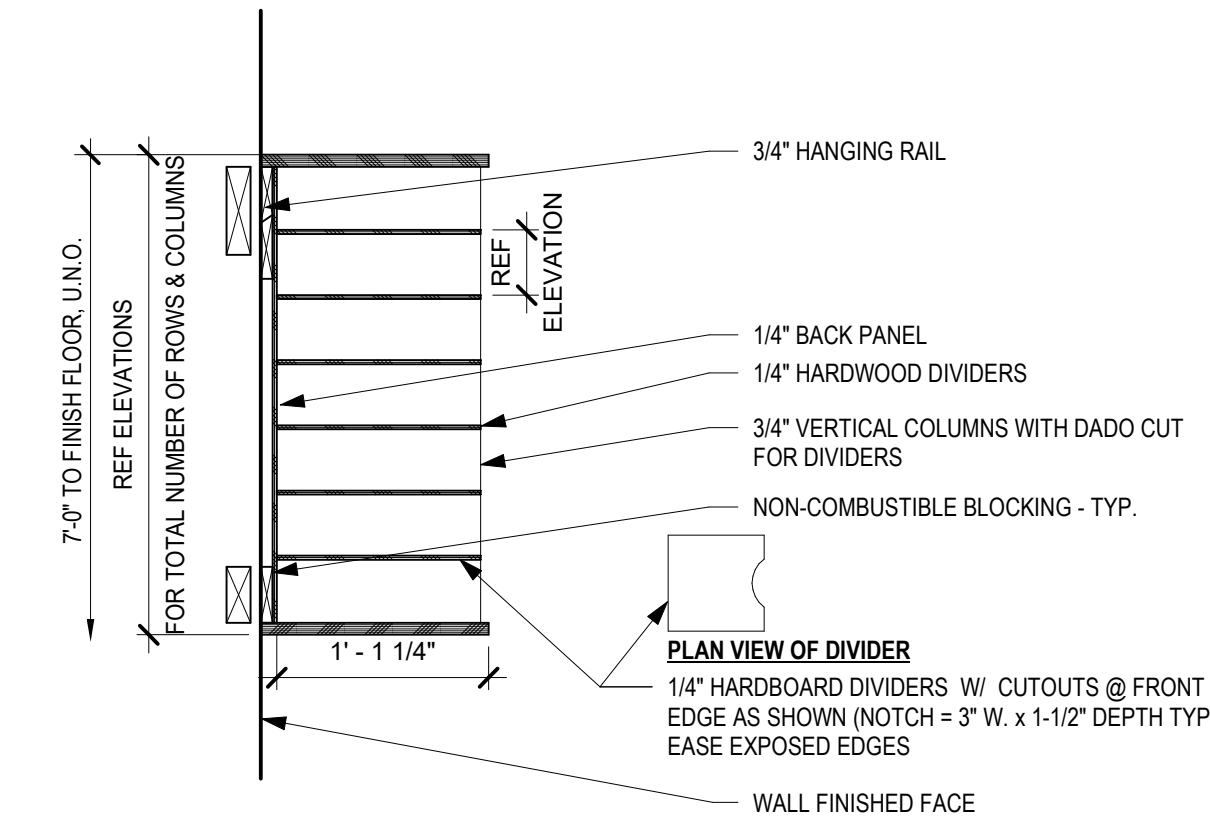
6
A7.01
BC - FINISHED END PANEL
1" = 1'-0"

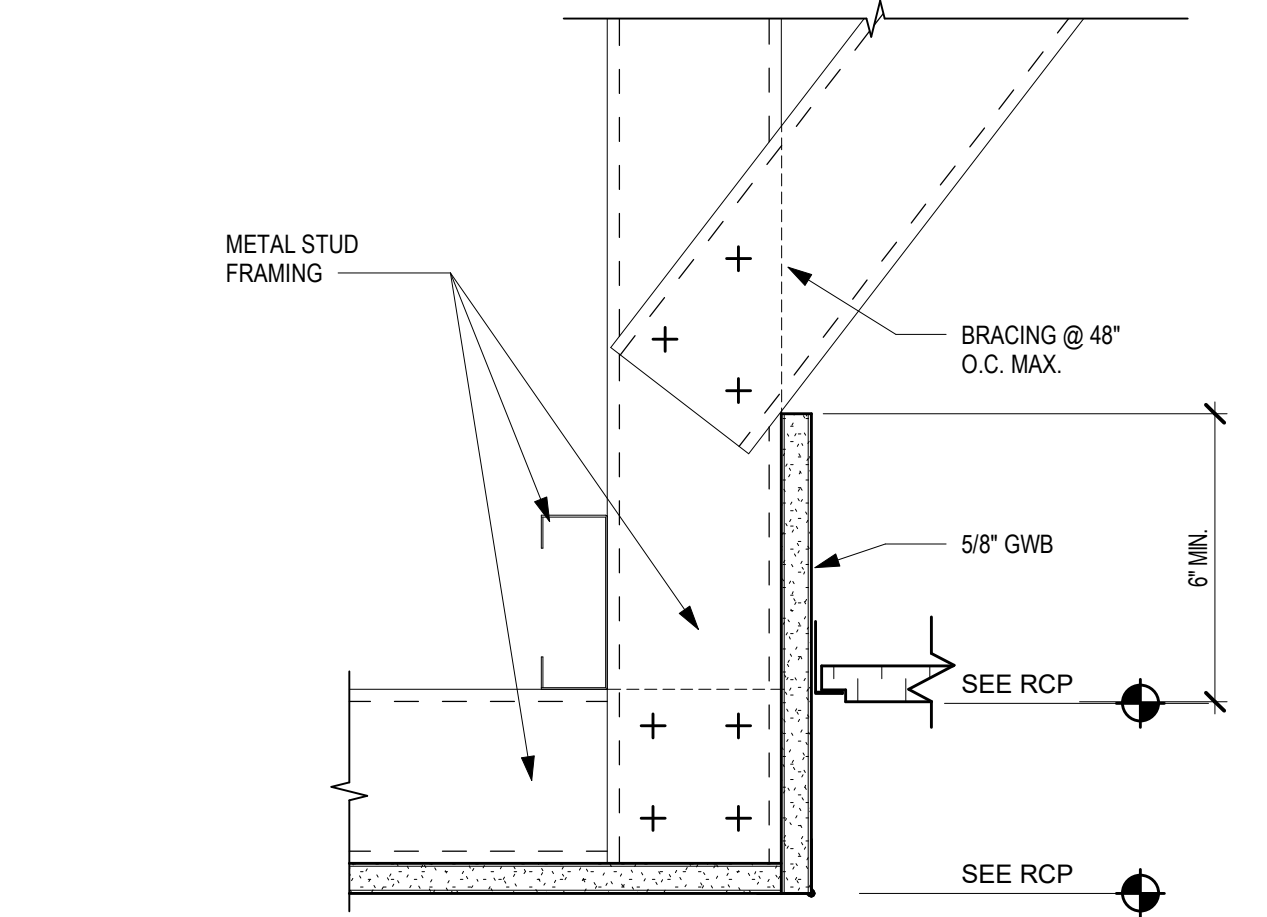


1
A7.01
BC - 4 DRAWER CABINET
1" = 1'-0"

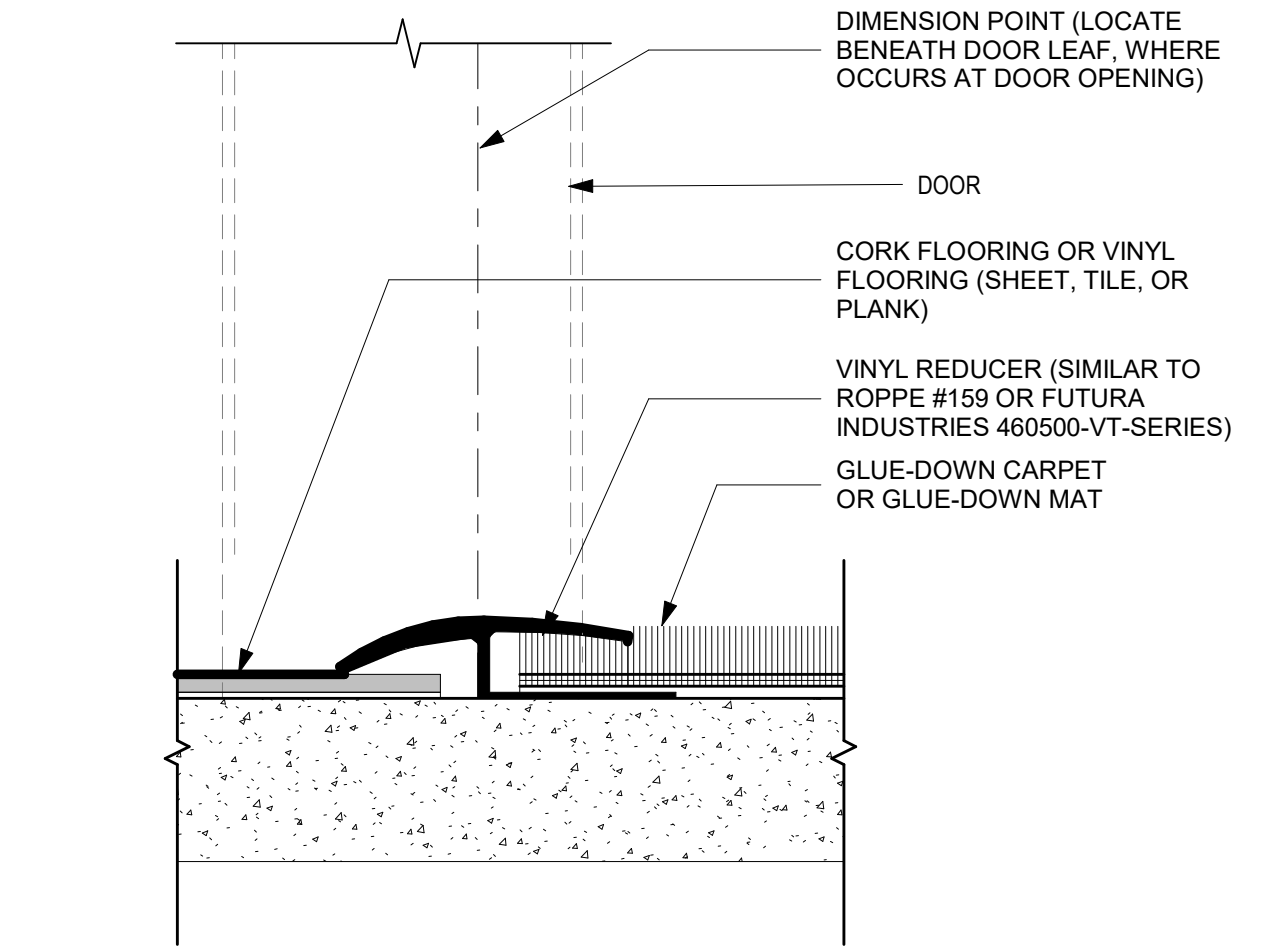


3
A7.01
UC - MAIL SLOT CABINET
1" = 1'-0"

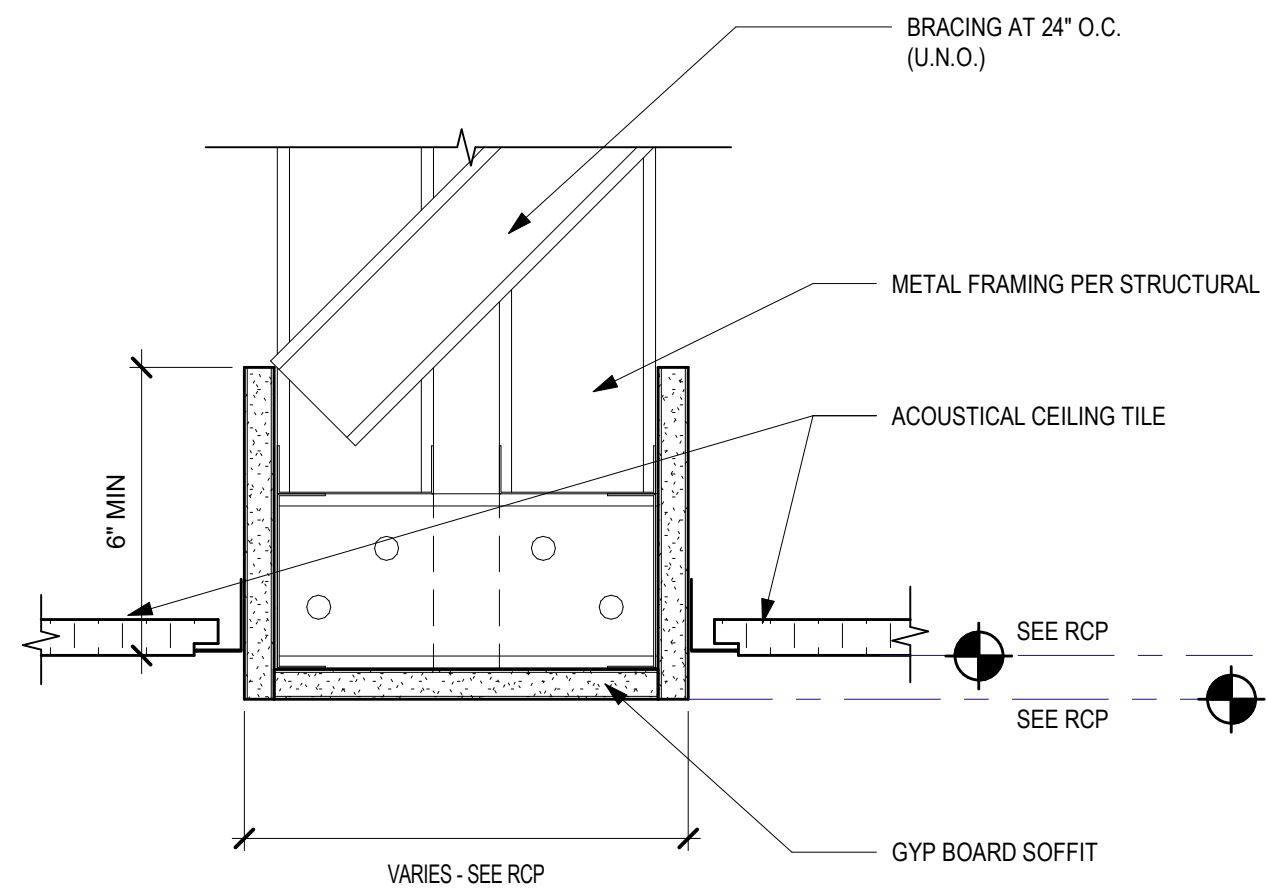




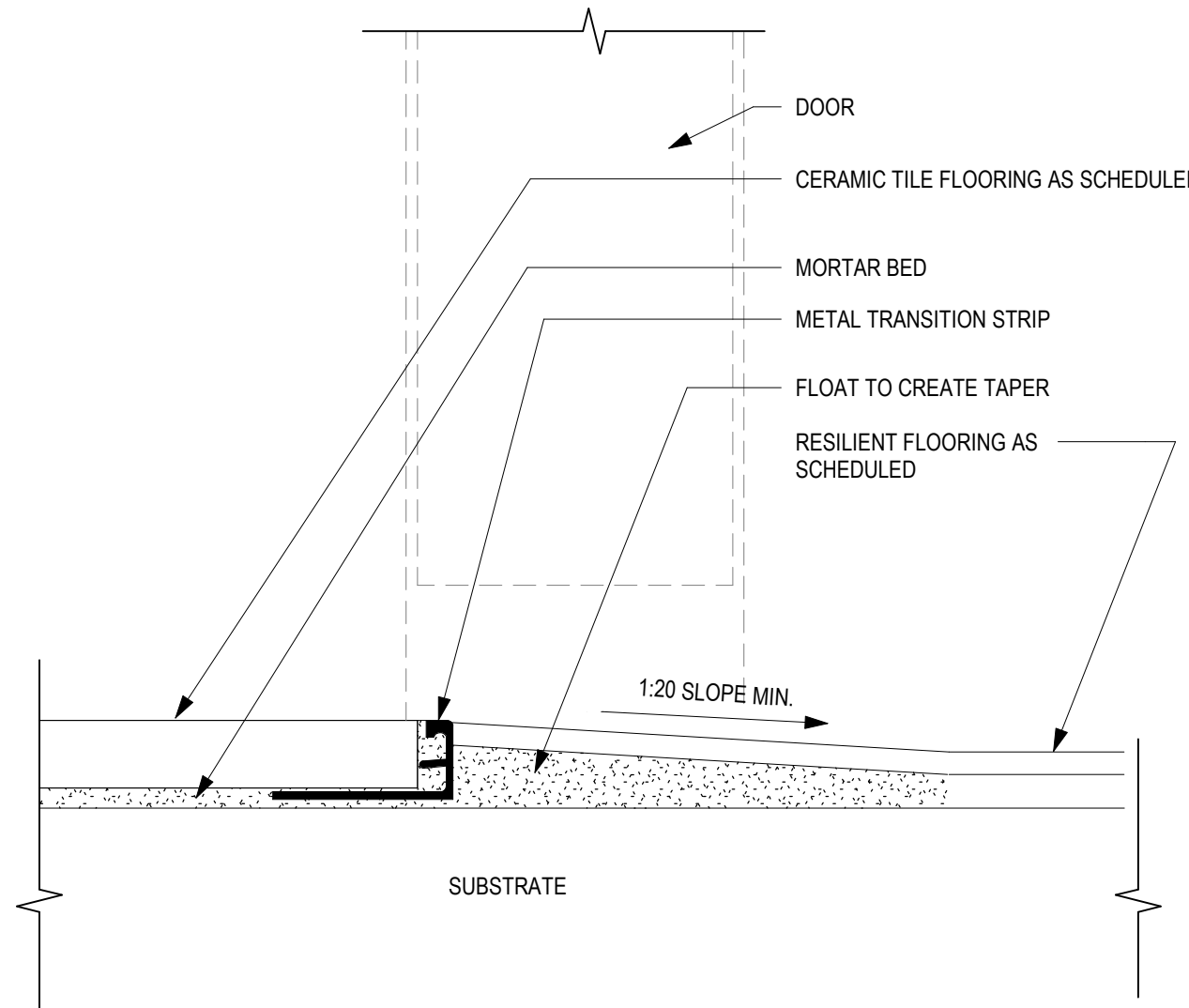
5 SOFFIT - GYP TO ACT
3" = 1'-0"



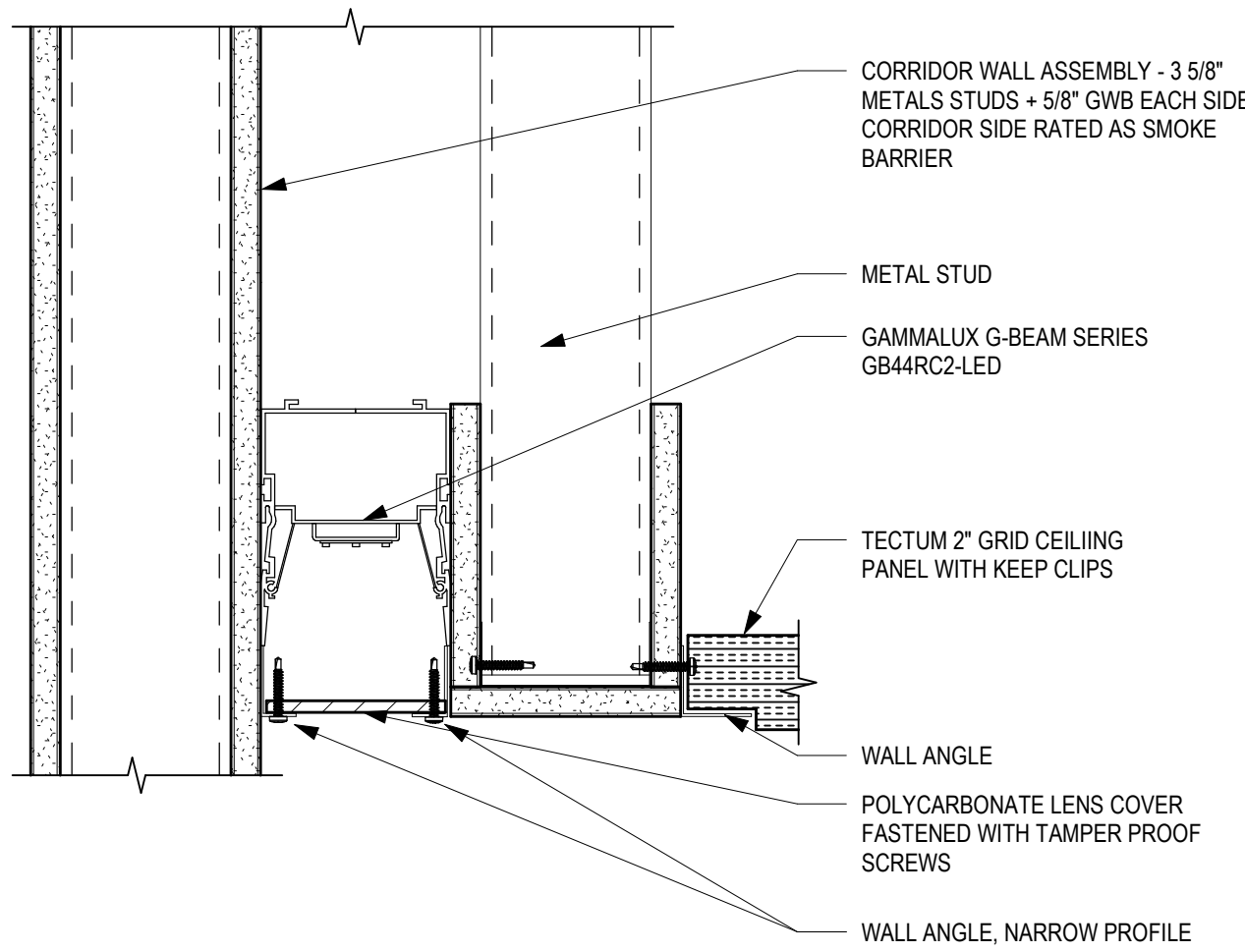
1 TRANSITION - CARPET/RESILIENT
12" = 1'-0"



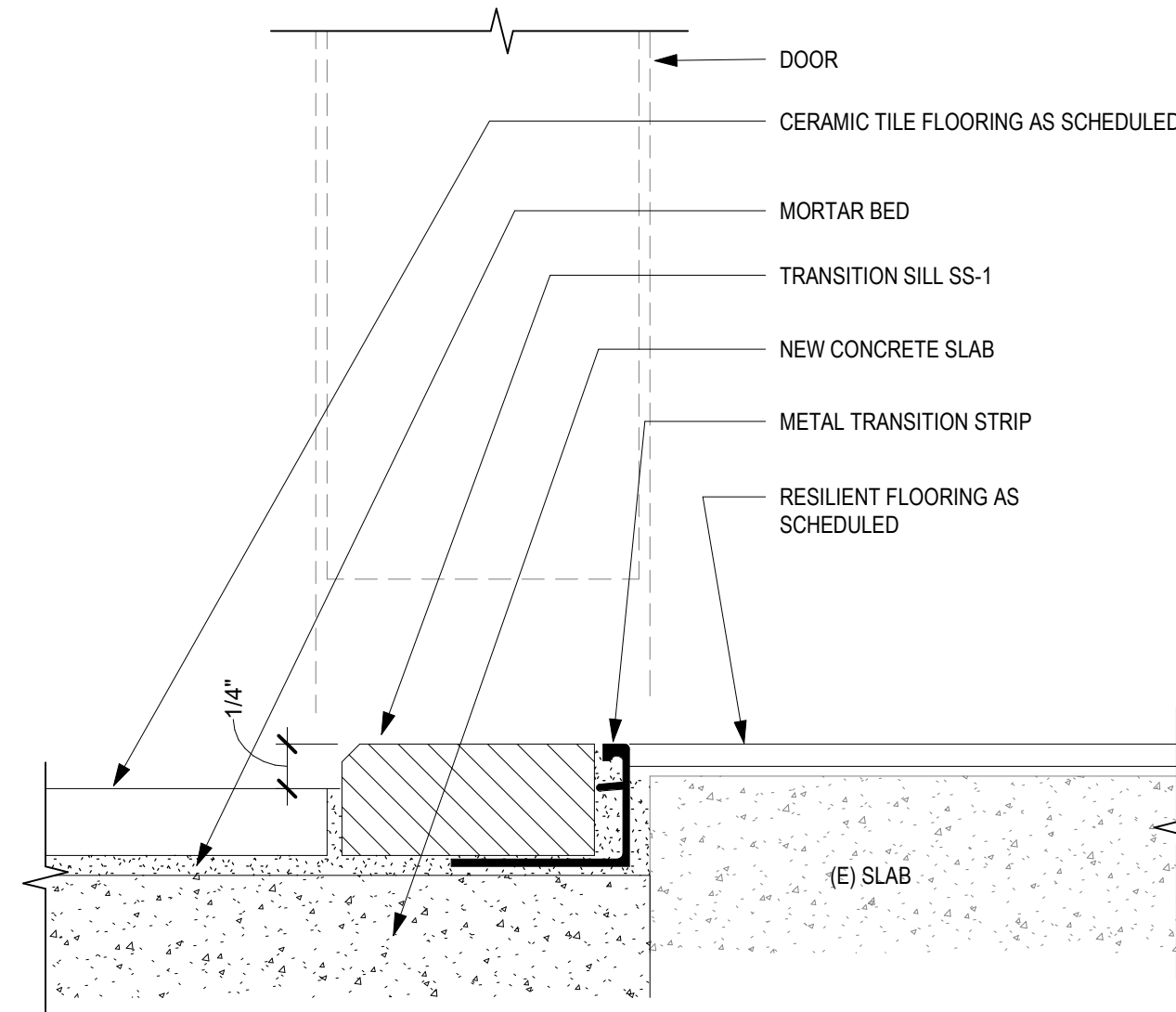
6 SOFFIT - BULK HEAD
3" = 1'-0"



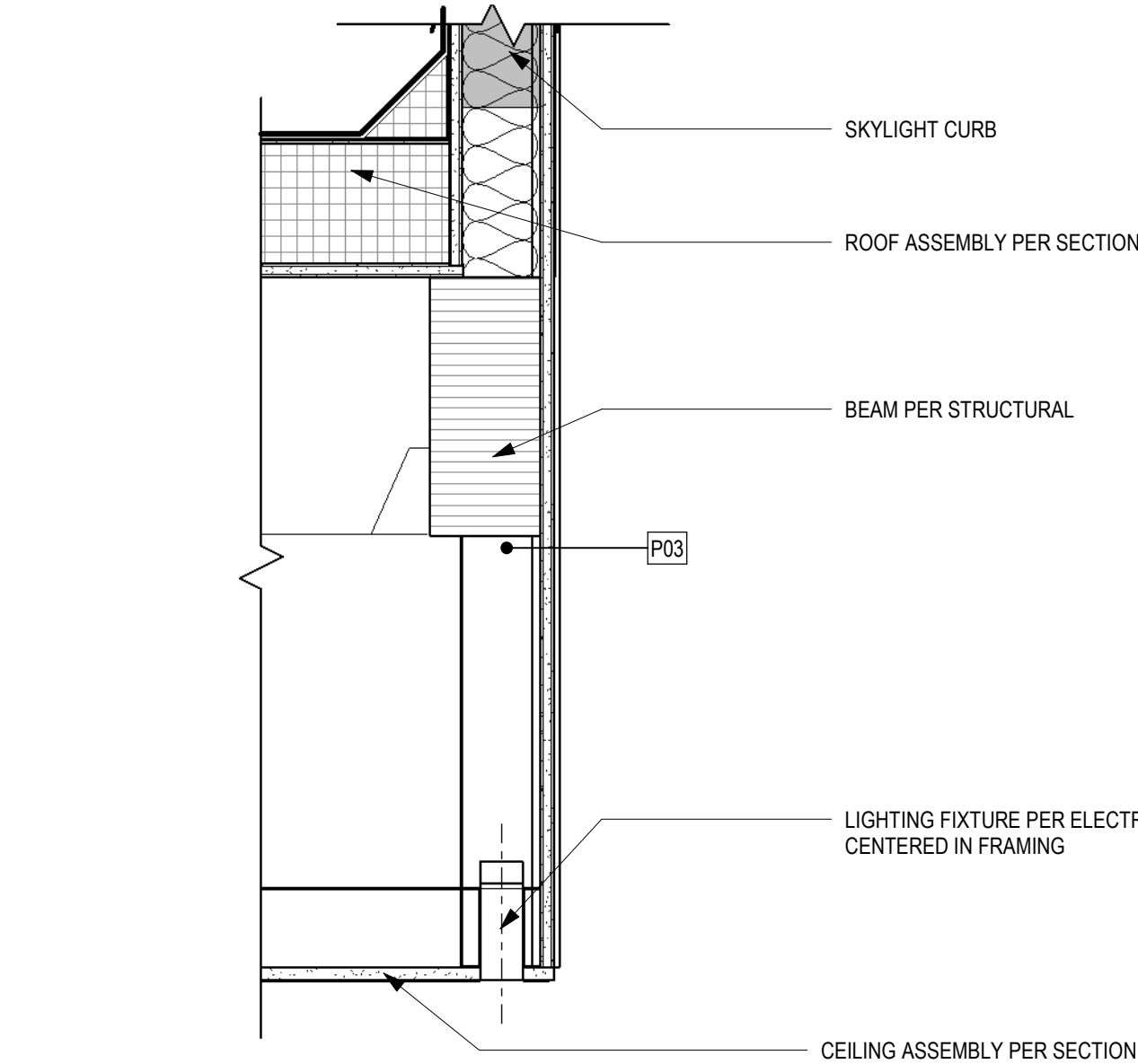
2 TRANSITION - RESILIENT/TILE
1 : 1



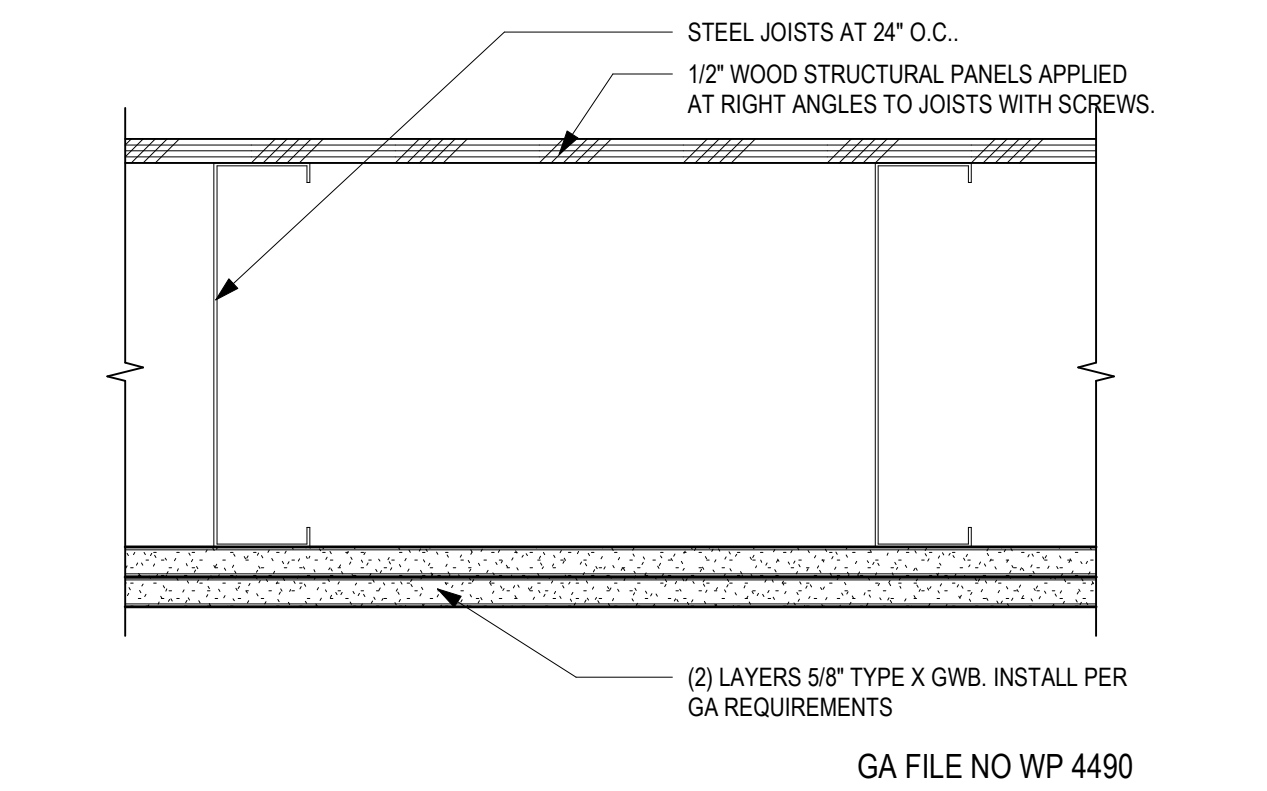
7 CORRIDOR PERIMETER LIGHTING
3" = 1'-0"



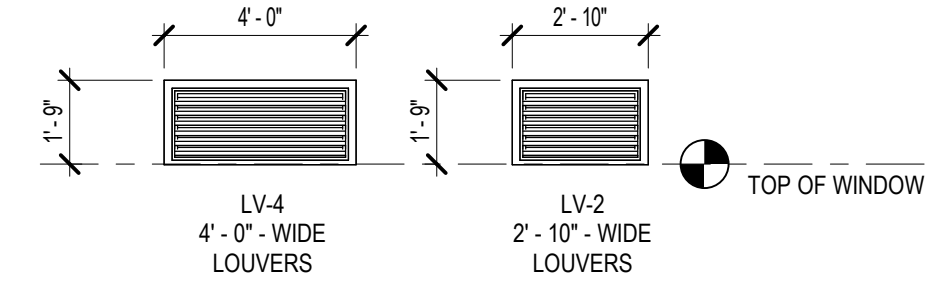
3 TRANSITION - RESILIENT/TILE w/ RAISED SILL
1 : 1



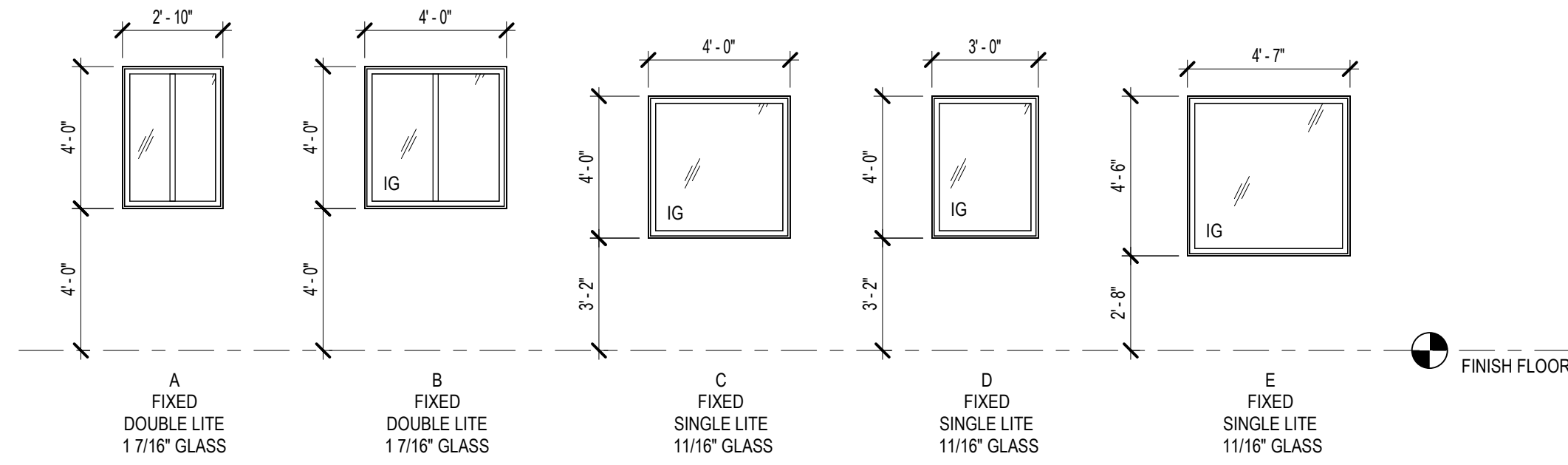
8 CEILING AT SKYLIGHT
1 1/2" = 1'-0"



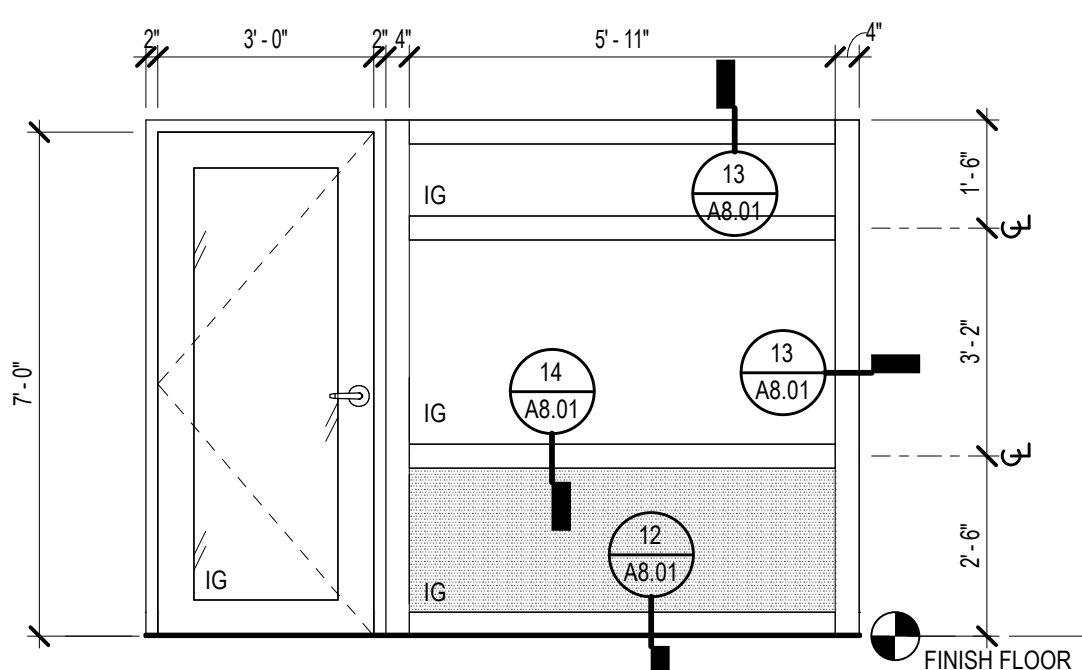
4 1 HR CEILING ASSEMBLY
3" = 1'-0"



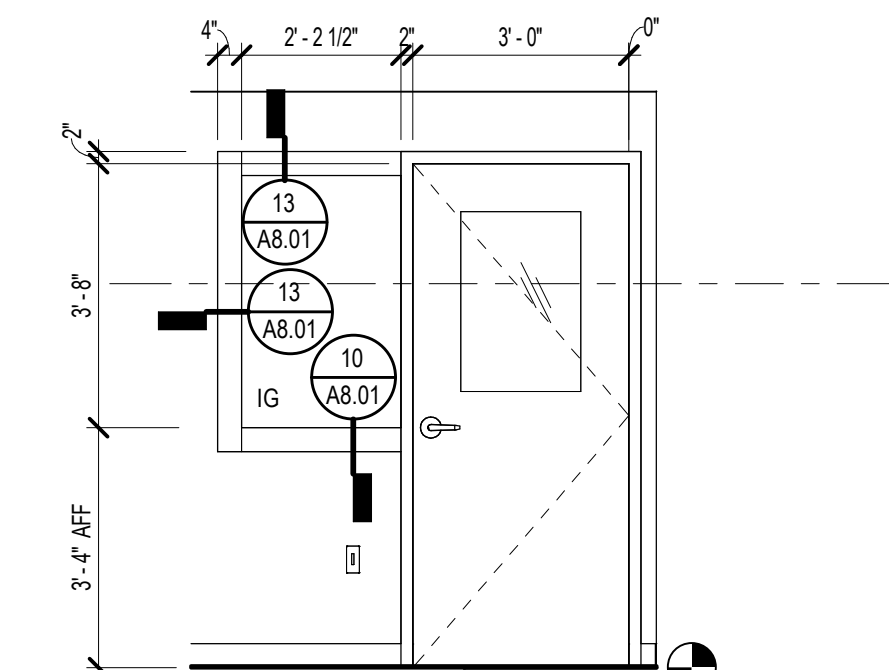
LOUVER TYPES
1/4" = 1'-0"



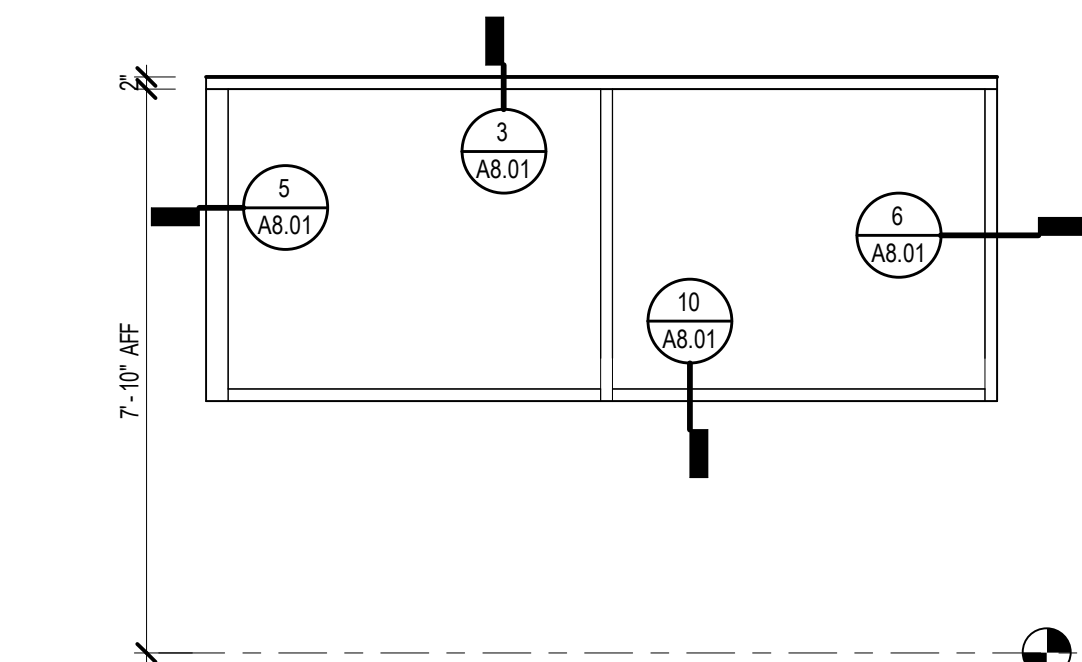
ALUMINUM WINDOW TYPES
1/4" = 1'-0"



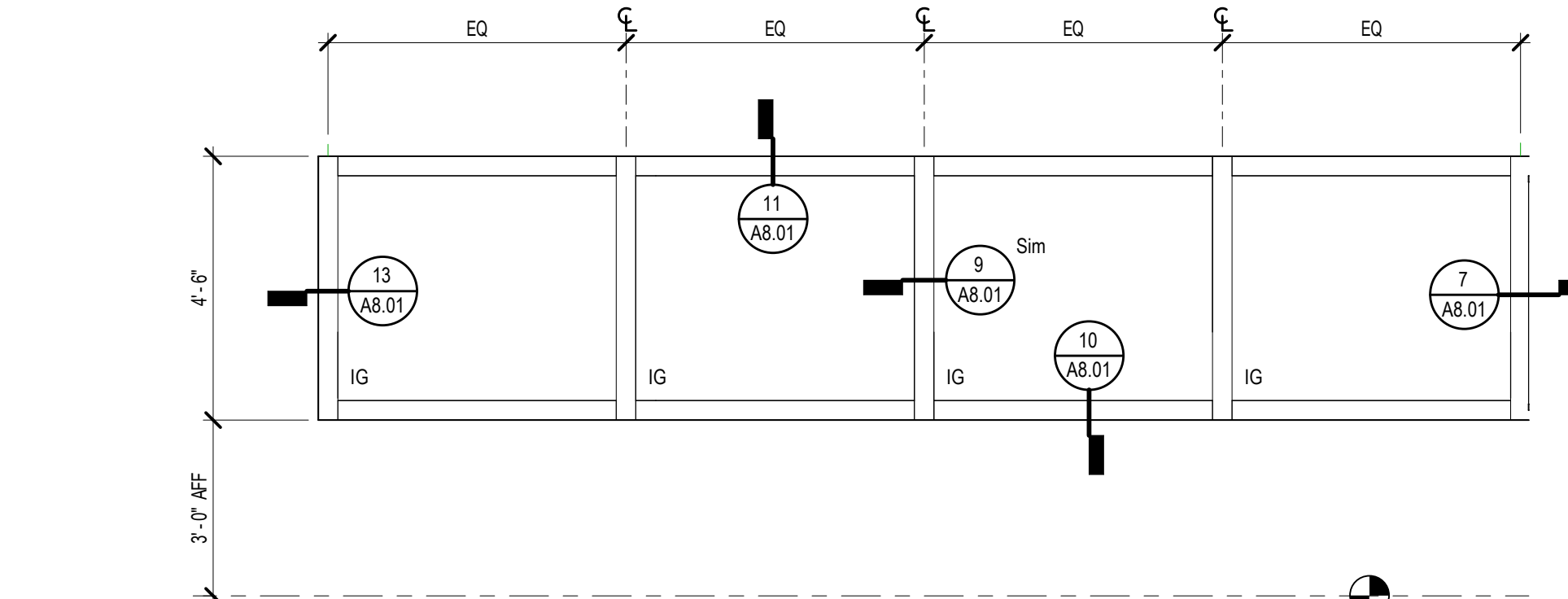
STOREFRONT - F
3/8" = 1'-0"



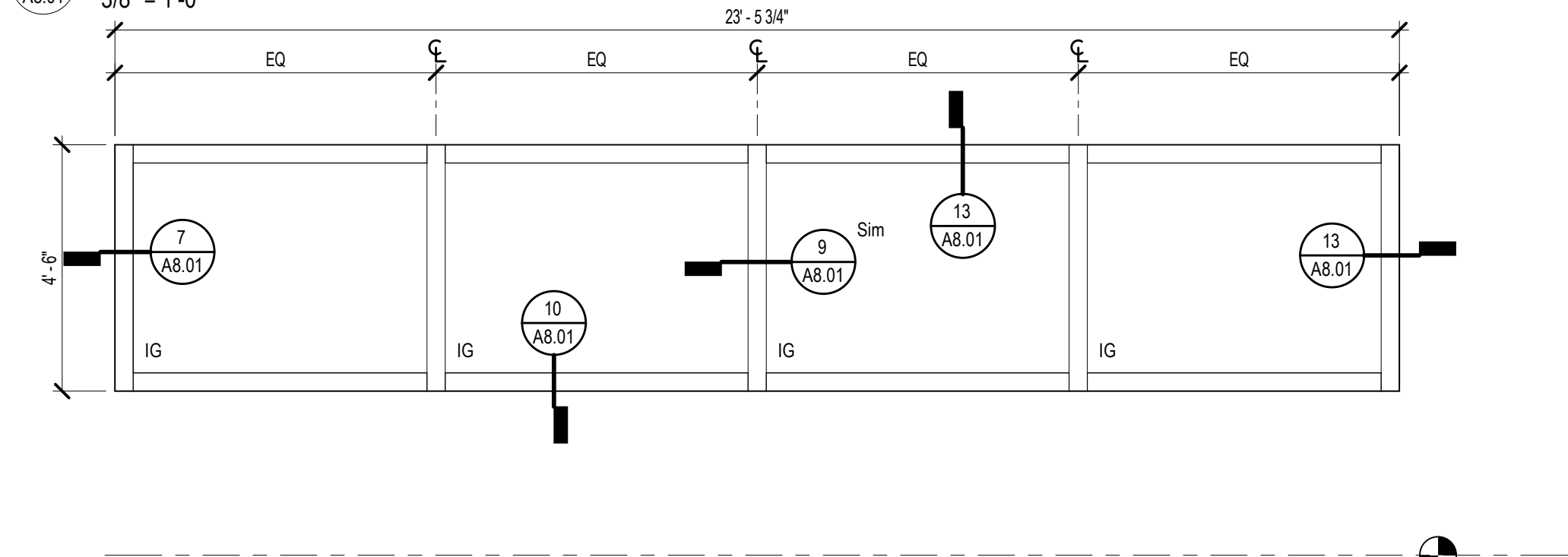
STOREFRONT - H
3/8" = 1'-0"



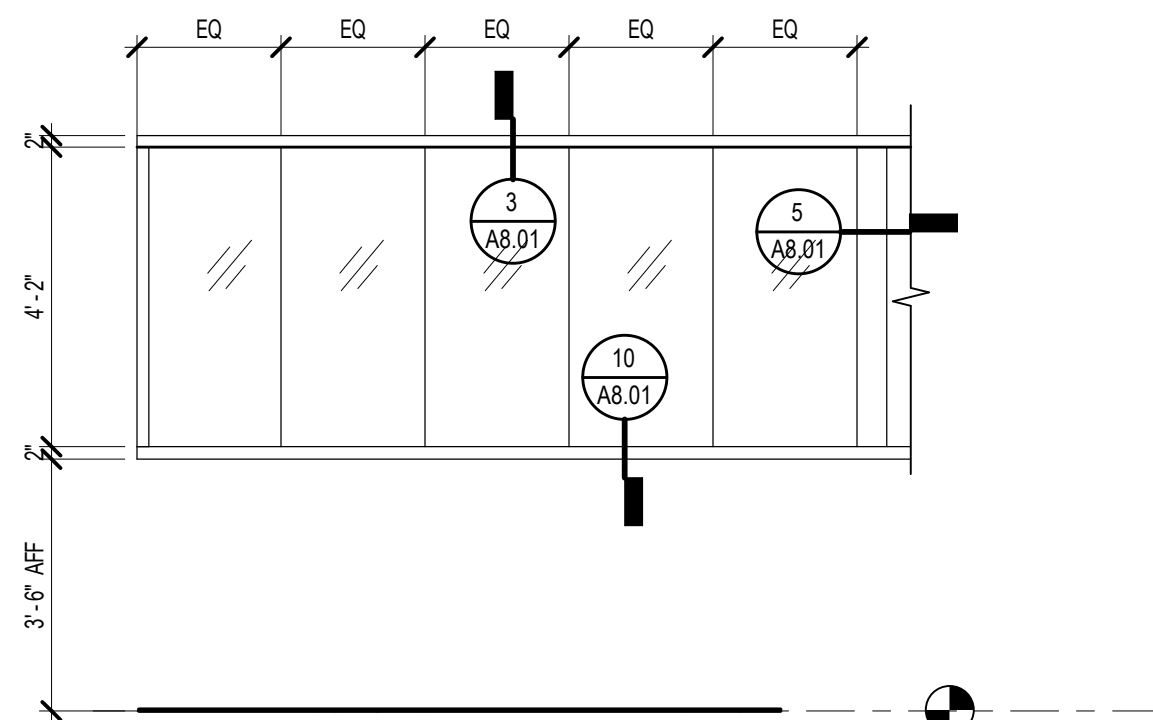
STOREFRONT - K
3/8" = 1'-0"



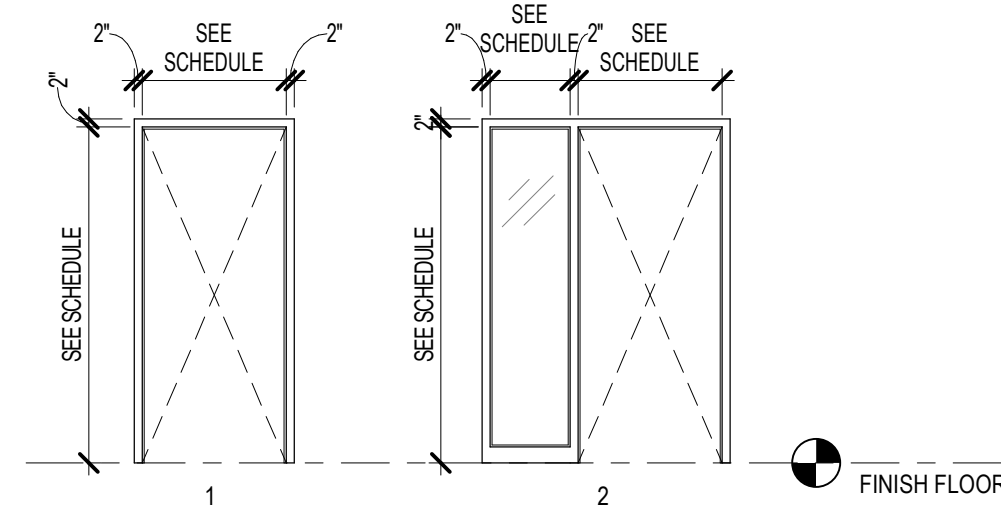
STOREFRONT - G
3/8" = 1'-0"



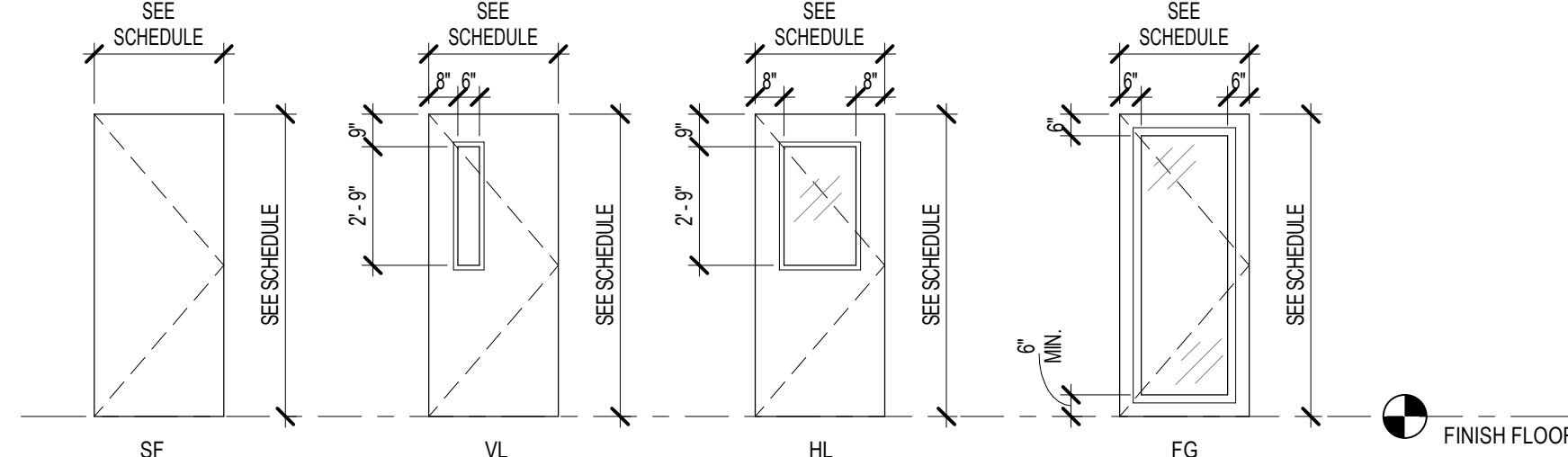
STOREFRONT - J
3/8" = 1'-0"



STOREFRONT - L (FLATENED)
3/8" = 1'-0"



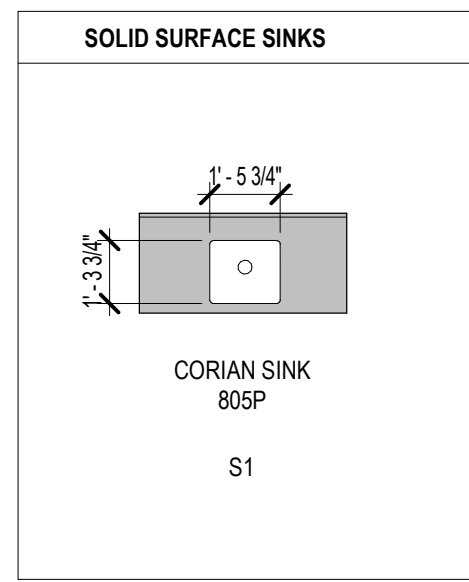
FRAME TYPES
1/4" = 1'-0"



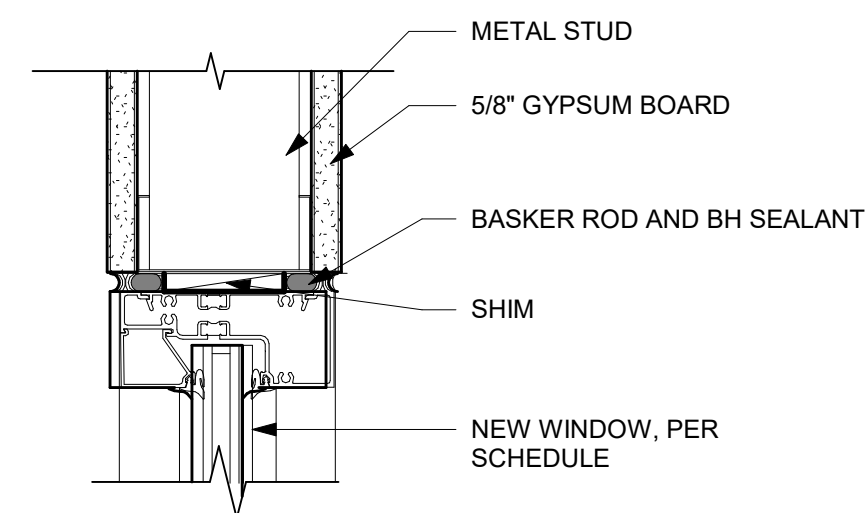
DOOR TYPES
1/4" = 1'-0"

DOOR SCHEDULE											
		DOOR				FRAME					
MARK	ROOM NUMBER	ROOM NAME	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	FIRE RATING	HDWR	COMMENTS
40	C20	CIRCULATION	3'-0"	7'-0"	VL	SC	1	HM		02	
41	40	MED LAB	3'-0"	7'-0"	VL	SC	1	HM		03	
41	41	RECEIVING / STORAGE	3'-0"	7'-0"							
43	44	MED SUPPLY	3'-0"	7'-0"		--		1 HM			
44	43	MED ROOM	3'-0"	7'-0"	HL	SC	1	HM		03	
45A	42	NURSE STATION	3'-0"	7'-0"	HL	SC	1	HM		03	
45B	42	NURSE STATION	3'-0"	7'-0"	HL	SC		SF-H		03	
46	45	MEETING ROOM	3'-0"	7'-0"	HL	SC	1	HM		04	
47	46	NURSE SUPERVISOR 1	3'-0"	7'-0"	HL	SC	1	HM		05	
48	47	NURSE SUPERVISOR 2	3'-0"	7'-0"	HL	SC	1	HM		05	
49	54	PATIENT ROOM/MI	3'-0"	7'-0"	FG	SC		SF-H		07	
50	53	PATIENT ROOM	3'-0"	7'-0"	FG	SC		SF-F		07	
50A	50	DAY ROOM	3'-6"	7'-0"	HL	SC	2	HM		06	
51	55	SHOWER ROOM	3'-0"	7'-0"	SF	SC	1	HM		01	
52	52	PATIENT ROOM	3'-0"	7'-0"	FG	SC		SF-F		07	
53	51	PATIENT ROOM	3'-0"	7'-0"	FG	SC		SF-F		07	
54B	50	DAY ROOM	3'-0"	7'-0"	HL	SC	1	HM		06	
58	D21	DENTAL OFFICE	3'-0"	7'-0"	HL	SC	(E)	(E)			REUSE DOOR HARDWARE
61	D22	SHARED OFFICE	3'-0"	7'-0"	HL	SC	(E)	(E)			REUSE DOOR HARDWARE
64	77	JANITOR CLOSET	3'-0"	7'-0"	SF	SC	(E)	(E)			REUSE DOOR HARDWARE
77	83	STF TLT	3'-0"	7'-0"	SF	SC	(E)	(E)			REUSE DOOR HARDWARE
78	82	STF TLT	3'-0"	7'-0"	SF	SC	(E)	(E)			REUSE DOOR HARDWARE
80	80	LOCKERS	3'-0"	7'-0"	(E)	(E)	(E)	(E)			REUSE DOOR HARDWARE
85R	41	RECEIVING / STORAGE	5'-0"	7'-0"	(E)	(E)	(E)	(E)			REUSE DOOR HARDWARE
86R	41	RECEIVING / STORAGE	5'-0"	7'-0"	(E)	(E)	(E)	(E)			REUSE DOOR HARDWARE

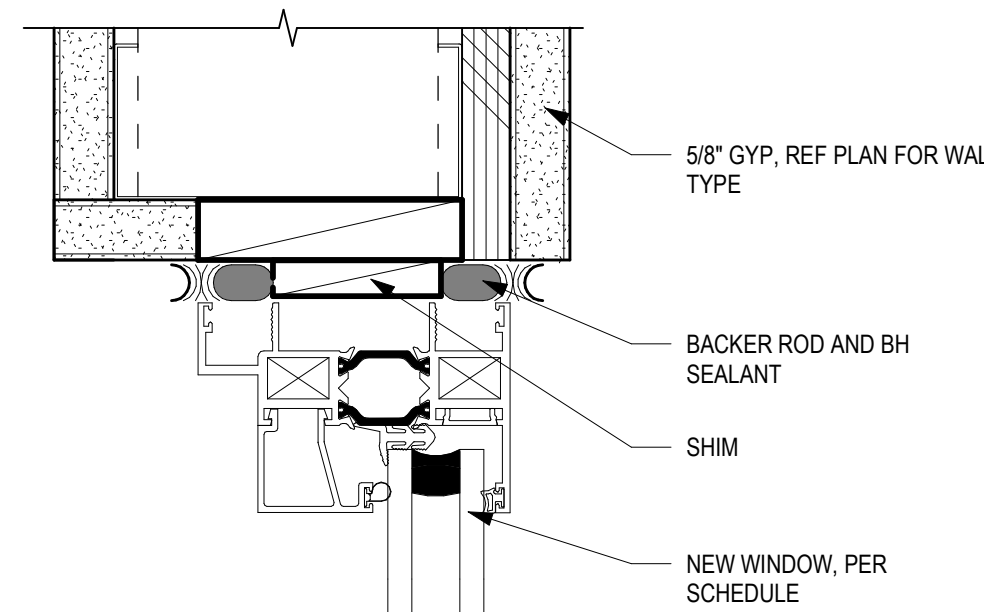
SOLID SURFACE SINK SCHEDULE			
ROOM NO.	ROOM NAME	SINK	COMMENTS
LEVEL 1			
40	MED LAB	S1	
40	MED LAB	S1	



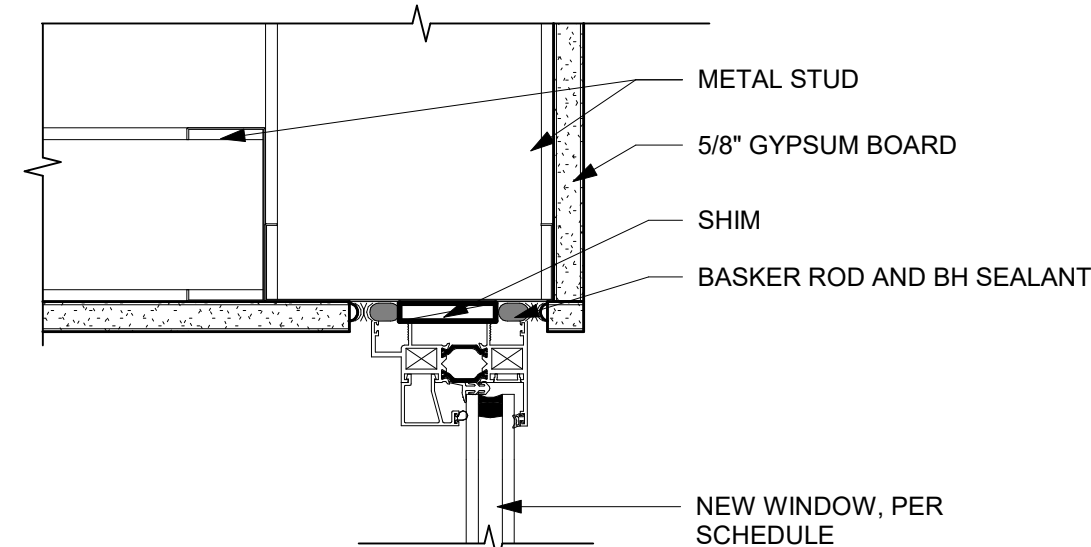
SOLID SURFACE SINK TYPE
1/4" = 1'-0"



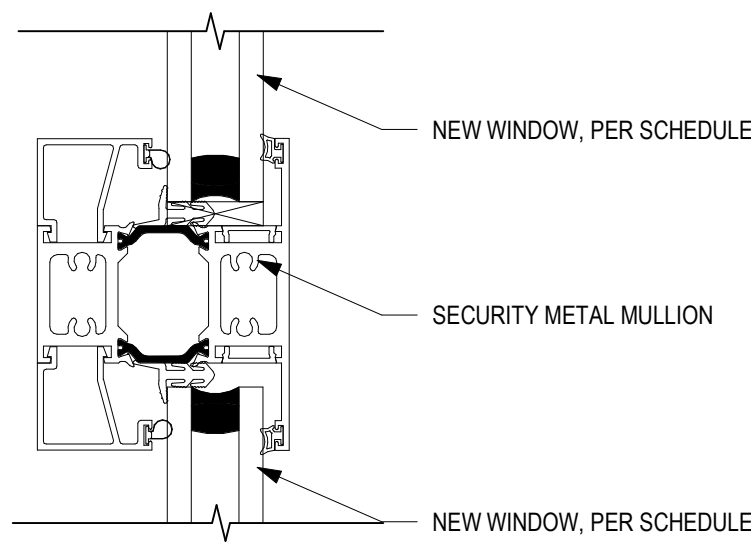
SF AT PATIENT ROOM
3" = 1'-0"



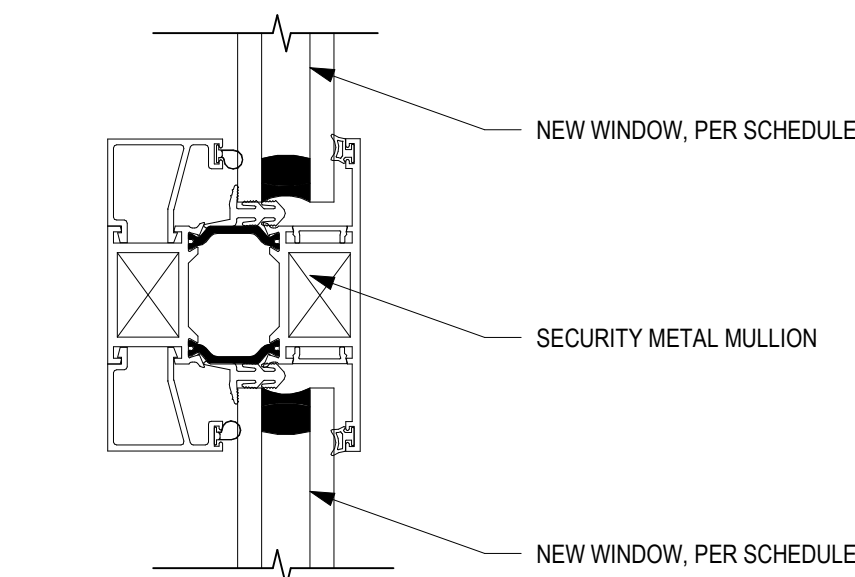
TAMPER RESISTANT HEAD/JAMB
6" = 1'-0"



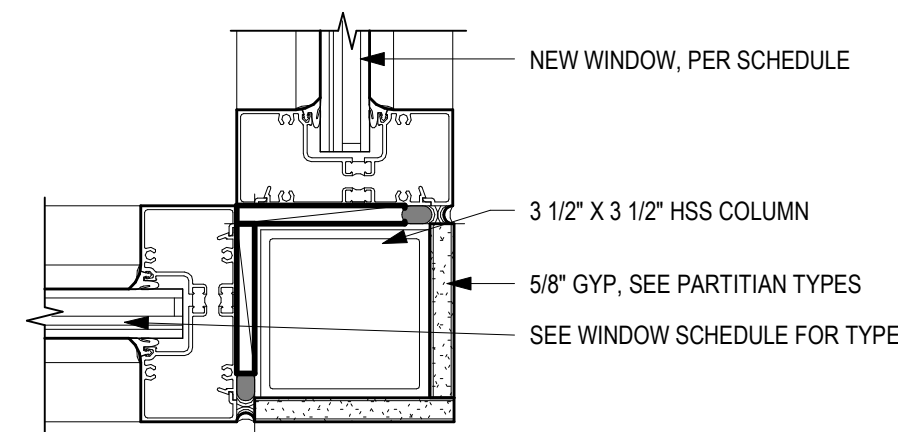
SF AT SECURITY DESK
3" = 1'-0"



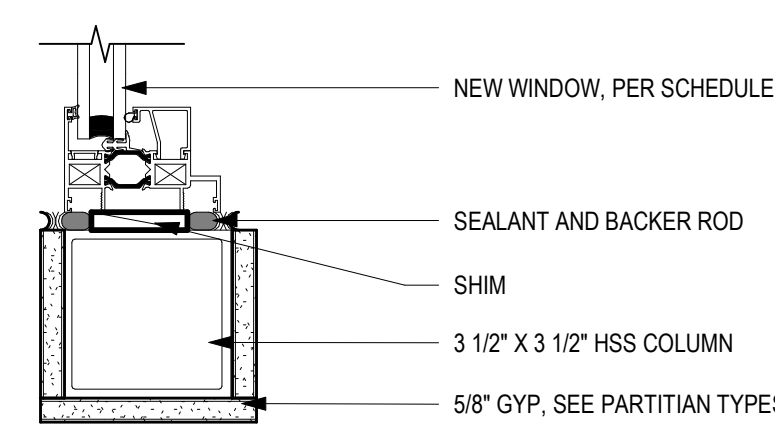
TAMPER RESISTANT HORIZONTAL MULLION
6" = 1'-0"



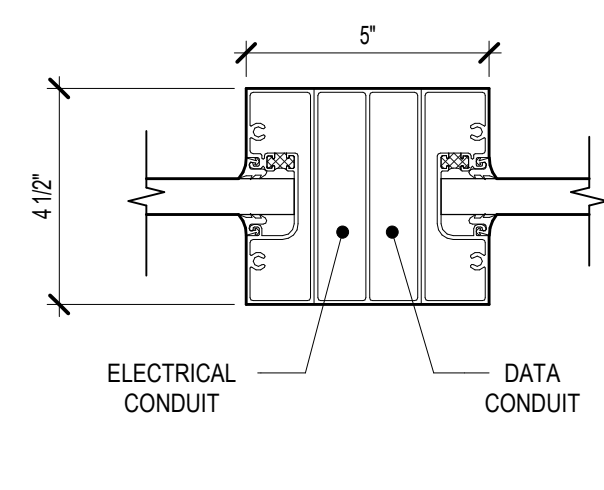
TAMPER RESISTANT VERTICLE MULLION
6" = 1'-0"



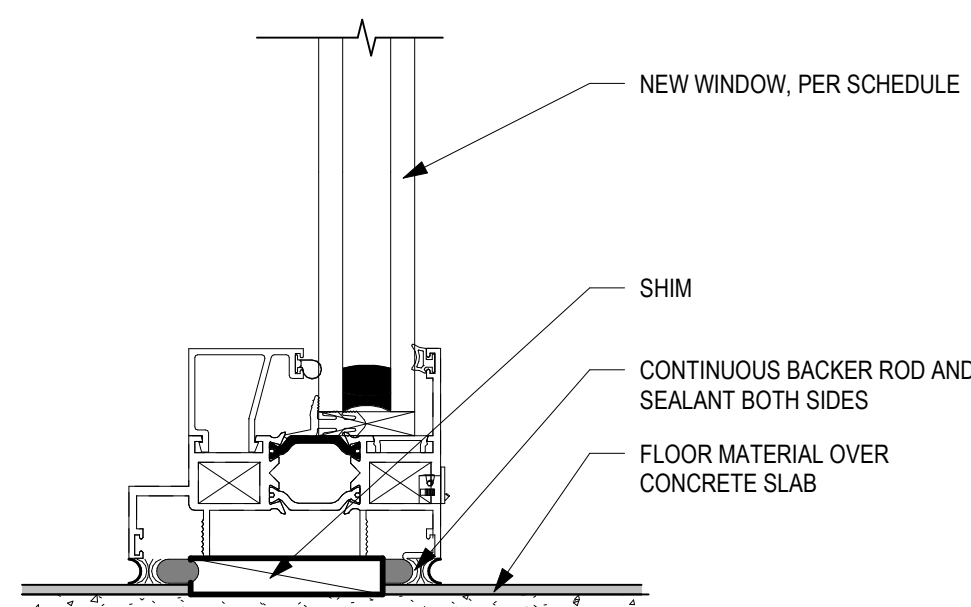
SF JAMB AT COLUMN
3" = 1'-0"



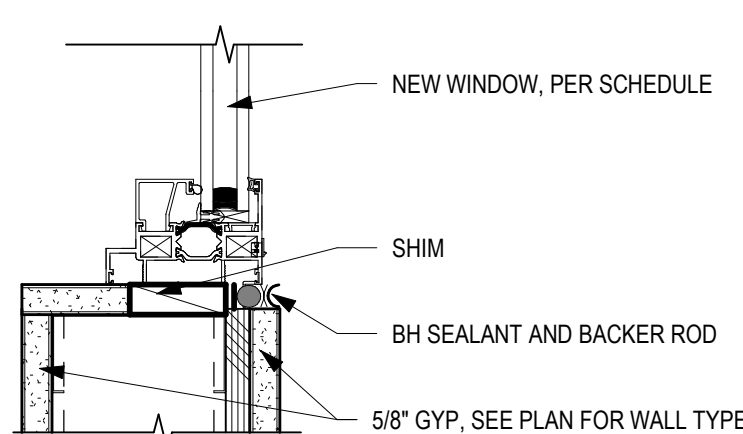
SF JAMB AT COLUMN
3" = 1'-0"



SF JAMB W/ CONDUIT
3" = 1'-0"



TAMPER RESISTANT SILL
6" = 1'-0"



INTERIOR WINDOW SILL
3" = 1'-0"

GENERAL NOTES: DOORS

- FIELD VERIFY ALL DIMENSIONS
- COORDINATE FRAME SIZES WITH WALL THICKNESS AT NEW AND EXISTING CONDITIONS
- WINDOW DIMENSIONS ARE UNIT SIZE NOT ROUGH OPENINGS
- PROVIDE SAFETY GLAZING WHERE REQUIRED BY BUILDING CODE
- ALL DOORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS
- DOORS SHALL BE PREPARED AND COORDINATED FOR INSTALLATION OF HARDWARE. DOOR HAD SHALL BE PER PLANS, REFER TO DRAWINGS FOR DOOR SWING AND RELATIONSHIP TO FRAME
- TOPS AND BOTTOMS OF ALL NON-STAINED DOORS EXPOSED TO WEATHER SHALL BE PRIMED AND PAINTED
- CONTRACTOR SHALL COORDINATE ALL DOOR HARDWARE, FINISHES AND MANUFACTURER PER OWNER. HARDWARE IS OWNER-SELECTED. CONTRACTOR FURNISHED AND INSTALLED
- WHERE INDICATED - SECURITY ACCESS CONTROLS ARE FURNISHED BY CONTRACTOR. ACCESS CONTROLS TO BE VERIFIED BY OWNER
- SHOP DRAWINGS SHALL BE PROVIDED FOR ALL DOORS AND HARDWARE FOR REVIEW AND APPROVAL PRIOR TO INSTALL
- CONTRACTOR TO COORDINATE TRIM PACKAGE AND COLORS WITH INTERIOR DESIGN DRAWINGS. FINISH SCHEDULE, AND DEVELOPMENT REVIEW APPROVALS FOR EXTERIOR COLORS
- EXTERIOR HOLLOW METAL DOORS SHALL BE INSULATED
- HOLLOW METAL DOORS AND FRAMES SHALL BE SHOP PRIMED AND FIELD PAINTED. TYPICAL UNLESS OTHERWISE NOTED
- JAMB ANCHORS AT HOLLOW METAL FRAMES: PROVIDE NUMBER AND SPACING OF ANCHORS AS FOLLOWS:
 - A STUD-WALL TYPE: LOCATE ANCHORS NOT MORE THAN 18-INCHES FROM TOP AND BOTTOM OF FRAME. SPACE ANCHORS NOT MORE THAN 32-INCHES O.C. AND AS FOLLOWS:
 - I. THREE ANCHORS PER JAMB UP TO 60-INCHES HIGH
 - II. FOUR ANCHORS PER JAMB FROM 60 TO 90-INCHES HIGH
 - III. FIVE ANCHORS PER JAMB FROM 90 TO 96-INCHES HIGH
 - IV. FIVE ANCHORS PER JAMB PLUS ONE ADDITIONAL ANCHOR PER JAMB FOR EACH 24-INCHES OR FRACTION THEREOF ABOVE 96-INCHES HIGH
 - B. POST INSTALLED EXPANSION TYPE: LOCATE ANCHORS NOT MORE THAN 6-INCHES FROM TOP AND BOTTOM OF FRAME. SPACE ANCHORS NOT MORE THAN 26-INCHES ON CENTER
- ALL SMOKE DOORS TO BE CONNECTED TO BUILDING FIRE ALARM SYSTEM
- HEAD ANCHORS AT HOLLOW METAL FRAMES: PROVIDE TWO ANCHORS PER HEAD FOR FRAMES MORE THAN 42-INCHES WIDE
- GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE EXCLUSION OF NOTES LISTED ELSEWHERE; THIS DOCUMENT SET IS MEANT TO BE COMPLEMENTARY. AND NOTES LISTED ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET
- MAGNETIC HOLD-OPEN DEVICES SHALL BE TIED TO THE FIRE ALARM SYSTEM
- ALL SMOKE DOORS TO BE CONNECTED TO BUILDING FIRE ALARM SYSTEM
- GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE EXCLUSION OF NOTES LISTED ELSEWHERE; THIS DOCUMENT SET IS MEANT TO BE COMPLEMENTARY. AND NOTES LISTED ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET

ABBREVIATIONS

AL	ALUMINUM
FF	FACTORY FINISH
GL	GLASS
HM	HOLLOW METAL
IG	IMPACT GLASS
MFR	MANUFACTURER
MTL	METAL
PFM	PREFINISHED METAL FRAM
PT	PAINT
SC	SOLID CORE
SF#	STOREFRONT ELEVATION NUMBER
SGF	SOLID GROUT FRAME
SMOKE	S LABEL (SMOKE LABEL)
WD	WOOD
20 MIN	20 MIN. UL RATED DOOR ASSEMBLY
45 MIN	45 MIN. UL RATED DOOR ASSEMBLY
60 MIN	60 MIN. UL RATED DOOR ASSEMBLY
90 MIN	90 MIN. UL RATED DOOR ASSEMBLY

LOCKING

AC	ACCESS CONTROL
AO	AUTO OPENER
CL	CLASSROOM LOCK
OL	OFFICE LOCK
PL	PASSAGE LOCK
PP	PUSH / PULL
PR	PRIVACY LOCK
PS	PASSAGE SET
SL	STOREROOM LOCK

KEYNOTES

GENERAL NOTES: EQUIPMENT

1. HALFTONED ELEMENTS ARE NOT IN CONTRACT, SHOWN FOR REFERENCE AND DESIGN INTENT PURPOSES ONLY
2. COORDINATE W/ MANUFACTURER FOR LOCATIONS TO PROVIDE WALL BACKING

LEGEND

OWNER FURNISHED, SEE EQUIPMENT SCHEDULE BELOW

EQUIPMENT LEGEND

TAG	DESCRIPTION	OFOI	OFCI	CFCI	(E)/NEW
BED-PT	PATIENT BED			X	NEW
BHC	BEHAVIOR HEALTH CHAIR			X	NEW
BHT	BEHAVIOR HEALTH TABLE			X	NEW
CF	CENTRIFUGE	X			(E)
CH C	CONFERENCE CHAIR			X	NEW
CH T	CONFERENCE CHAIR			X	NEW
CH T	TASK CHAIR	X			(E)
COPY	FLOOR-MOUNTED COPY/PRINTER	X			(E)
CPU	COMPUTER	X			(E)
CT-UT	UTILITY CART	X			(E)
D	SIT/STAND DESK	X			NEW
DS	DOCUMENT SCANNER	X			(E)
FAX	FAX MACHINE	X			(E)
HK	CRUTCH HOOKS		X		NEW
MICRO	MICROWAVE	X			(E)
MIR-LR	MIRROR			X	NEW
MEN	TELEVISION		X		NEW
PC	PORTABLE COOLER	X			(E)
PH	DESKTOP PHONE	X			(E)
PR	UNDERCOUNTER PRINTER	X			(E)
PRL	LABEL PRINTER	X			(E)
PTD	PAPER TOWEL DISPENSER		X		NEW
PTD-LR	PAPER TOWEL DISPENSER, LIGATURE RESISTANT		X		NEW
REF-F	FREEZER/REFRIGERATOR	X			(E)
REF-V	REFRIGERATOR-VACCINE	X			(E)
RF	MINI-REFRIGERATOR	X			(E)
SD	SOAP DISPENSER		X		NEW
SD-LR	SOAP DISPENSER, LIGATURE RESISTANT		X		NEW
TC	CONFERENCE TABLE			X	NEW
TV	LARGE-SCREEN TELEVISION		X		NEW
WB	WHITE BOARD			X	NEW
WTC	WALK-TALKIE CHARGING STATION	X			NEW

FOR
REFERENCE
ONLY

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY, WOODBURN, OR 97071



ISSUE DATE: 06.27.2025

REVISIONS:

ENLARGED EQUIPMENT
PLAN - PATIENT AREA

Q2.11

PROJECT NO.: 25015

CONSTRUCTION DOCUMENTS

C L A R K K J O S
A R C H I T E C T S , L L C

Phone: 503.224.4848

421 SW 5th Avenue, Suite 1300
Portland, OR 97204

1
02.11
EQUIPMENT - LEVEL 1 - PATIENT AREA
1/4" = 1'-0"

1. HALFTONED ELEMENTS ARE NOT IN CONTRACT, SHOWN FOR REFERENCE AND DESIGN INTENT PURPOSES ONLY
2. COORDINATE W/ MANUFACTURER FOR LOCATIONS TO PROVIDE WALL BACKING

[] OWNER FURNISHED. SEE EQUIPMENT SCHEDULE BELOW.

EQUIPMENT LEGEND					
TAG	DESCRIPTION	OFOI	OFCI	CFCI	(E) NEW
BED-PT	PATIENT BED			X	NEW
BH-C	BEHAVIOR HEALTH CHAIR			X	NEW
BH-T	BEHAVIOR HEALTH TABLE			X	NEW
CF	CENTRIFUGE	X			(E)
CH-C	CONFERENCE CHAIR			X	NEW
CH-T	CONFERENCE TABLE			X	NEW
CH-C	CONFERENCE CHAIR			X	NEW
CH-T	CONFERENCE TABLE			X	NEW
COPY	FLOOR-MOUNTED COPY/PRINTER			X	(E)
CPU	COMPUTER	X			(E)
CI-UT	UTILITY CART			X	(E)
D	STAND/DISK	X			NEW
DS	DOCUMENT SCANNER	X			(E)
FAX	FAX MACHINE	X			(E)
HK	CRUTCH HOOKS		X		NEW
MICRO	MICROWAVE	X			(E)
MIR-L	MIRROR			X	NEW
MON	TELEVISION		X		NEW
PC	PORTABLE COOLER	X			(E)
PH	DESKTOP PHONE	X			(E)
PR	UNDER-COUNTER PRINTER	X			(E)
PRL	LABEL PRINTER	X			(E)
PTD	PAPER TOWEL DISPENSER			X	NEW
PTD-LR	PAPER TOWEL DISPENSER, LEADLINE RESISTANT			X	NEW
REF-F	FREEZER/REFRIGERATOR	X			(E)
REF-V	REFRIGERATOR-VACCINE	X			(E)
RF	MINI-REFRIGERATOR	X			(E)
SD	SOAP DISPENSER		X		NEW
SD-LR	SOAP DISPENSER, LEADLINE RESISTANT		X		NEW
TC	CONFERENCE TABLE			X	NEW
TV	LARGE SCREEN TELEVISION		X		NEW
WB	WHITE BOARD			X	NEW
	WHEELCHAIR CHARGING STATION	X			NEW

C L A R K K J O S

421 SW Sixth Avenue, Suite 1300
Portland, OR 97204
Phone: 503/224-4848

FOR
REFERENCE
ONLY

**MacLAREN INFIRMARY & PHARMACY
RENOVATION**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071



ISSUE DATE: 06.27.2025

REVISIONS:

CONSTRUCTION DOCUMENTS

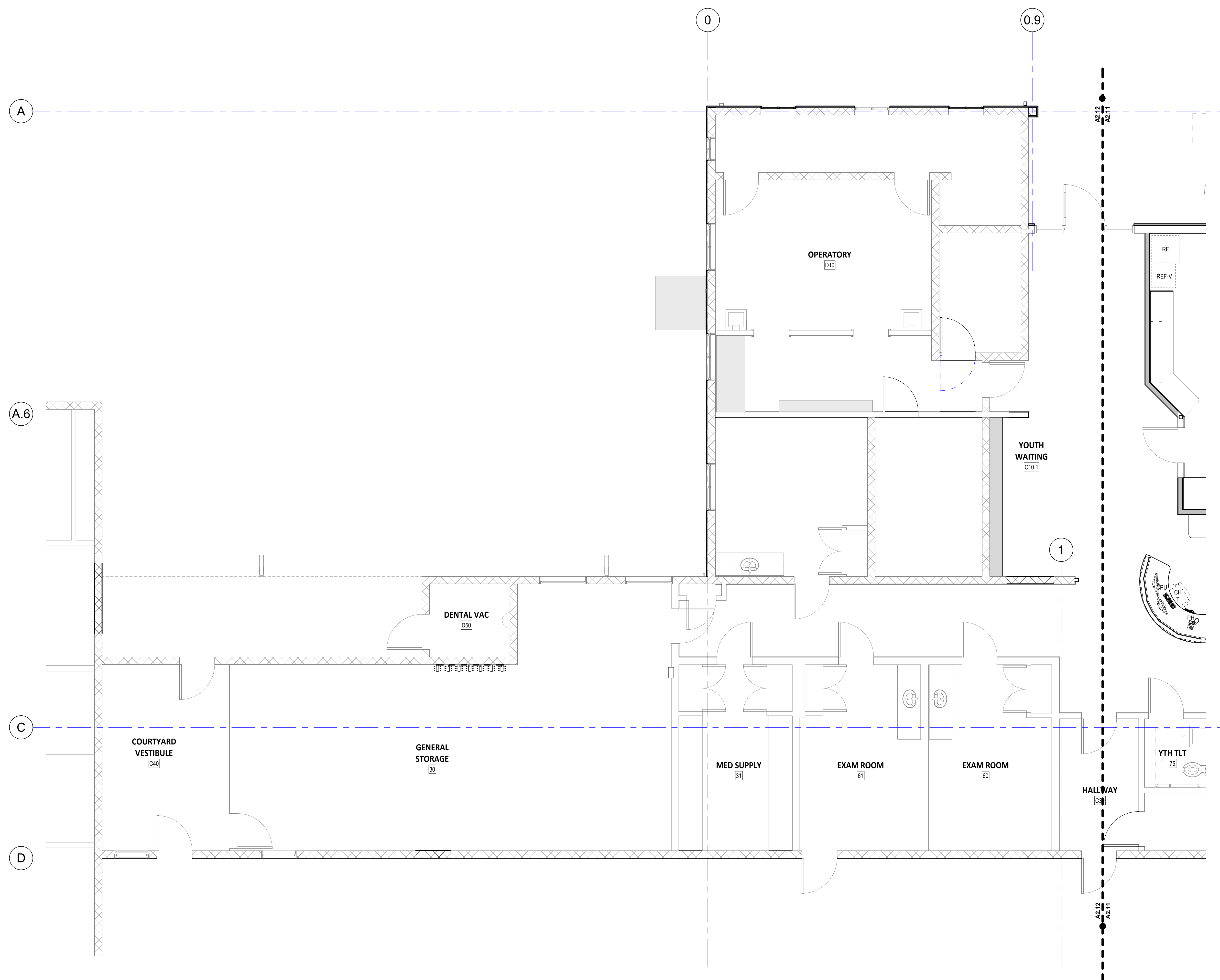
ENLARGED EQUIPMENT
PLAN - STORAGE AREA

Q2.12

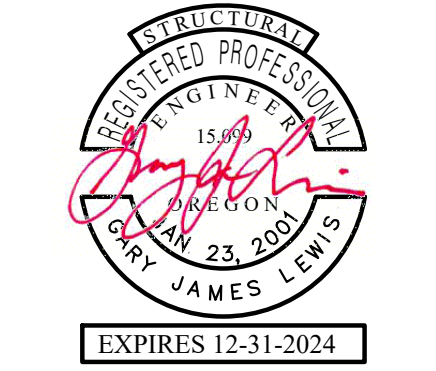
PROJECT NO.: 25015

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CLARK KJOS ARCHITECTS, LLC COPYRIGHT 2026 6/22/2026 3:32:50 PM



1 EQUIPMENT - LEVEL 1 - STORAGE AREA
Q2.12 1/4" = 1'-0"



ISSUE DATE: 06.19.2023

REVISIONS:
10/04/2023

STRUCTURAL NOTES

GENERAL

- These notes set minimum standards for construction. The drawings govern over these notes to the extent shown. Coordinate these drawings with architectural specifications and notify Lewis & Van Vleet Inc. Engineers (LVI) of any discrepancies prior to beginning work.
- These drawings have been prepared solely for use in construction of the MacLaren Infirmary and Pharmacy Renovation project located in Clatsop, Oregon. Possession of these drawings does not grant license to construct or fabricate the whole or parts of this project in other locations.
- The contractor shall verify all dimensions and conditions on drawings and in field. Coordinate locations of openings through floors, walls, and walls with architectural, mechanical, plumbing and electrical drawings. Notify engineer of any discrepancies.
- The contractor shall be responsible for providing all temporary support prior to completion of the vertical and lateral load systems. LVI has not been retained to provide any services pertaining to job site safety precautions, or to review means, methods techniques, sequences, or procedures for performing the work. Unless we are specifically retained and compensated to do otherwise, our work is limited to the design of work described on our drawings.
- Where reference is made to ACI, AISI, ASTM, or other standards or codes, the latest edition shall apply.
- Inspection and/or job supervision is not provided by LVI.
- All work shall be in strict compliance with the latest edition of the International Building Code (IBC) and all other state and local codes which apply.
- Any mechanical equipment, piping, ductwork, etc. which applies a load of 150 pounds or more shall be hung from a system approved by LVI.

DESIGN CRITERIA

- Gravity Loads:
 - Snow Load 25 psf
- Wind Load:
 - Basic Wind Speed: ASCE 7-16 104 mph (ultimate)
 - Occupancy Category III, Risk Category III
- Seismic Load:
 - Occupancy Category III, Importance Factor: 1.25
 - Site class D
 - Spectral Response Coefficients: $S_{DS} = 0.67$
 - Seismic Design Category D
 - Ordinary Reinforced CMU Walls, $R_e = 2.5$
 - Analysis Procedure: Equivalent Lateral Force

SITEWORK

- Remove all organic material, topsoil and any fill from under building and slab areas.
- All fill material under structure to be "structural fill". Structural fill is consist of compacted granular material or approved conditioned site material. Place all fill in lifts not to exceed 8" and compact to 92% relative compaction per ASTM D1557.
- Base material directly below slab to be 6" thick (minimum) layer of compacted crushed rock. Base rock to have a maximum aggregate size between 3/4" and 1 1/2" and shall contain not more than 5% passing the No. 200 sieve.
- See architectural specifications for additional information.

FOUNDATIONS

- Design soil bearing pressure equals 1500 psf live plus dead load (assumed).
- All footings to bear on firm, undisturbed natural soils or structural fill a minimum of 18" below finish exterior grade. Notify engineer before proceeding if any unusual conditions are encountered in footing excavations.
- Do not excavate closer than 2:1 slope adjacent to footing excavations.
- Clear all footing excavations of loose material by hand. Remove all wet, soft soil from footing excavations prior to placing concrete.
- Earth form footings may be provided at the contractor's option and risk. All earth formed footings should be oversized 6" in each direction.
- Excavations may be made under footings for pipes. Backfill to be "structural fill" as defined above.

CONCRETE

- Average concrete strength to be as indicated below and determined by job cast lab cured cylinder at 28 days plus increase depending on plant's standard deviation as specified in ACI 318. Provide mix designs to engineer for review prior to placing any concrete. **Clearly Label All Mix Designs As TO PROPOSED AREA OF USE.** Supplier to label all mix designs with an identification number. Mix number should be referenced in all subsequent concrete test reports.
- Minimum mix requirements:

Location	Compressive strength psi	Minimum cement content	Admixtures
Footings	3000	5	none
Slabs on grade (interior)	3500	5 1/2	WRA (a)
Slabs on grade (exterior)	3000	5 1/2	WRA,AE (b)
Miscellaneous	3000	5	none

 - WRA= Water Reducing Admixture
 - AE= Air Entrainment
 - Provide an accelerator in all concrete placed below 40 degrees.
- Use Type I cement, per ASTM C-150 unless otherwise approved. Water cement ratio to be 0.46 maximum for all slabs on grade. Water cement ratio to be 0.50 maximum for all other concrete. Do not add water to mix at jobsite. Finish testing ASTM C 618 may be substituted for up to 20% of the cement content in all mixes.
 - Aggregate to be per ASTM C-33
 - Water Reducing Agent (WRA). Comply with ASTM C-494.
 - Air Entrainment (AE) shall comply with ASTM C-260. Provide 3-5% when specified.
 - Accelerators: Do not be used on concrete which is to be placed in contact with masonry or steel.
 - Calcium Chloride shall not be used in any concrete, for any purpose, on this project.

REINFORCING

- All reinforcing steel to be ASTM A615, Grade 60.
- Fabricate and install all reinforcing steel according to the "Manual of Standard Practice for Detailing Reinforcing Concrete Structures" ACI Standard 315.
- Provide 2"x4", 2"x4" corner bars to match horizontal reinforcement in poured in place walls and footings at all corners and intersections.
- Splices in slab on grade reinforcement shall be lapped 30 diameters or 2'-0" minimum and shall be staggered at least 4'-0" at alternate bars. All other splice locations for #6 bars or smaller, lap bars 58 diameters or 2'-0" minimum and stagger the splices at least 4'-0" at alternate bars.
- Provide 2"x4 bars at top, bottom, and ends of all walls unless otherwise indicated on plans.
- Provide dowels to match all vertical reinforcement in walls. Lap 58 diameters or 24" minimum for #6 bars or smaller.
- All wall reinforcement to be placed in middle of wall unless otherwise noted on drawings.
- Provide shop drawings of all reinforced concrete items to engineer for review prior to construction of these items.

WOOD FRAMING

- All lumber to be species and minimum grades as follows (unless otherwise noted in drawings):
 - Joists, rafters, —————Douglas Fir #2
 - Beams and stringers, 4x and larger, —————Douglas Fir #1
 - Blocks, blocking, bridging & misc. —————Doug. Fir or Hem Fir #3
 - 2 x 4 studs —————Doug. Fir "STUP" or "STD"
 - 2 x 6 studs and larger —————Douglas Fir #2
 - Sills, ledgers, plates, etc. in contact w/ concrete—P.T. Douglas Fir #2 (unless noted otherwise on plans)
 - Posts —————Douglas Fir #1
- Roof, floor, and wall sheathing to be APA rated sheathing, Exposure 1, conforming to APA performance standard PS 1-83 and to ICC NER-108. See drawings for required thickness of sheathing and/or span rating. Install roof and floor sheathing with long dimension perpendicular to supports and stagger end joints (unless noted otherwise on drawings). Use spacer tool to ensure 1/8" end and edge joints, including tongue and groove joints. Install 2 x 4 or thicker blocking at unsupported joints in wall sheathing.
- Block roof or floor sheathing where noted on drawings.
- Framing hardware to be Simpson or prior approved equal. Fill all nail holes unless noted otherwise in drawings or manufacturer's literature. Use largest nail size indicated in manufacturer's literature. Provide hardware size to match member size (e.g. 1 1/4"x10" nail for 4x10 beam, 1/32"x28" for 2x8 rafter, etc.).
- All bolt heads and nuts bearing on wood to be provided with a washer.
- All fasteners (hangers, clips, screws, nails, bolts, washers etc.) in contact with pressure treated or fire treated wood to be stainless steel or hot dipped galvanized material. Do not mix stainless steel and galvanized steel in the same connection.
- All nailing to be per IBC Table 2304.9.1. Obtain engineer's prior approval for all proprietary nailing or stapling systems.
- All nails to be common wire unless noted otherwise. Staples are not an acceptable substitute without Engineer's prior written approval. Minimum nail diameters are as follows:
 - 8d = 131"
 - 10d = 148"
 - 12d = 148"
 - 16d = 162"
 - 20d = 192"
- Cutting and notching of joists is not permitted without engineer's prior approval. One inch diameter holes may be drilled in the center 1/3 of the member depth, but all other holes to be approved prior to drilling.
- Studs may be notched in the lower 1/3 of the height of stud for electric conduit and plumbing pipes, but no part of the notch is to be greater than 1/4 of stud depth. Holes with diameters up to 1/3 of stud depth may be drilled in stud.
- Laminated beams to be Douglas Fir (Fb= 24 ksi) per ATC 117 specification. Unless noted otherwise, simple span beams to be Combination 24F-V4 and all other beams (beams cantilevered or continuous over supports, etc.) to be 24F-V8. Appearance grade to be architectural for all beams exposed to view and industrial elsewhere, unless noted otherwise in drawings. AITC or APA/EWS certificate required. Use waterproof glue.

ENGINEERED WOOD PRODUCTS

- All engineered wood products (PSL, LVL, LSL) to be designed and manufactured to the standards of the Weyerhaeuser Corporation. Other product manufacturers shall submit a request for substitution prior to building.
- Allowable increase in wood member stresses due to duration of loading shall be 15% maximum for snow load only (roof) and 60 % for loads including wind or seismic. Design members for any additional loads indicated on drawings.
- All hangers, clips, nails, screws and other fasteners or hardware in contact with pressure treated or fire treated wood to be stainless steel or hot dipped galvanized. Do not mix stainless steel and galvanized steel in the same connection. Submissions not containing sealed shop drawings and calculations will be rejected. The joint has been designed by the project engineer to the following load requirements:

ENGINEERED WOOD JOISTS

- All joists thus specified shall be Trus-Joist wood joists as manufactured by the Trus-Joist Corporation ONLY. Other product manufacturers shall submit a request for substitution prior to building. Substitution request shall bear a statement from the manufacturer indicating their acknowledgment of the requirement of these notes for fully engineered shop drawings and calculations bearing the seal of an Oregon registered engineer, the requirement for inspection of the installed product, and their agreement to meet these requirements. Submissions not containing sealed shop drawings and calculations will be rejected. The joint has been designed by the project engineer to the following load requirements:

Roof Joists

- 25 psf snow load + applicable drifting per IBC
- 10 psf dead load top chord
- 5 psf dead load bottom chord
- Uplift as specified in IBC unless otherwise noted in the drawings.

- Allowable increase in wood member stresses due to duration of loading shall be 15% maximum for snow load only (roof). Design joists for any additional loads indicated on drawings. Provide additional joists as required to support additional loads.
- All hangers, clips, bearing plates, nails, screws and other fasteners or hardware in contact with pressure treated or fire treated wood to be stainless steel or hot dipped galvanized. Do not mix stainless steel and galvanized steel in the same connection. Submissions not containing sealed shop drawings and calculations will be rejected. The joint has been designed by the project engineer to the following load requirements:
- All bridging, bearing clips, blocking, hangers, etc. that connect to the joist shall be per Trus-Joist standards. Provide Load sharing bridging at all open web joist.
- Joist crester shall exercise the utmost care during the erection of joists to prevent the joists from buckling laterally. Stockpile, lift and laterally brace the joists as directed on Trus-Joist erection drawings and design manual. Remove any damaged joists from the jobsite. Do not attempt to reinforce any damaged joist except as approved in writing by engineer and by Trus-Joist.
- Shop drawings and calculations are not required for this project.

POST-INSTALLED ANCHORS

- All post-installed anchors in contact with pressure treated wood to be hot dipped galvanized or stainless steel.
- All drilled expansion anchors in concrete to be "Strongbolt 2 Wedge Anchor" by Simpson Strong Tie (ICC ESR-307) only. Other expansion anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the manufacturer for anchors sized unless otherwise indicated on drawings. All drilled expansion anchors in concrete require special inspection during installation.
- All drilled adhesive anchors in concrete to use "SET-3G Epoxy Adhesive" by Simpson Strong-Tie Company Inc. (ICC ESR-4057) only. Other adhesive anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the manufacturer for anchors sized unless otherwise indicated on drawings. All screw anchors in concrete require special inspection during installation.
- All drilled adhesive anchors in concrete to use "Titen HD Screw Anchor" by Simpson Strong-Tie Company Inc. only. Other screw anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the manufacturer for anchors sized unless otherwise indicated on drawings. All screw anchors in concrete require special inspection during installation.
- All drilled adhesive anchored reinforcement dowels in concrete to use "SET-3G Epoxy Adhesive" by Simpson Strong Tie (ICC ESR-4057) only. Other adhesive anchored reinforcement with written approval of engineer only. Install all anchors per adhesive manufacturer's instructions using ASTM A615 grade 60 dowels unless noted otherwise on plans. Provide minimum edge distance and spacing indicated by manufacturer for anchor installation on drawings. Provide minimum embedment noted on plans. All drilled adhesive anchored reinforcement requires special inspection during installation.
- All drilled expansion anchors installed in concrete masonry to be "Wedge-All Anchors" by Simpson Strong Tie (ICC ESR-1390) only. Other expansion anchors in concrete masonry with written approval of engineer only. Install all anchors in face shell of masonry, holding anchor at least 1" from any mortar joint (block edge) and 1" from center block web. Install all anchors per manufacturer's instructions. Provide minimum embedment, edge distance and spacing as noted in manufacturer's instructions unless indicated otherwise on drawings. All drilled expansion anchors in concrete masonry require special inspection during installation.
- All drilled adhesive anchors in concrete masonry to be the "SET-XP" by Simpson Strong Tie. (LAPPO ER-265) only. Other anchors with prior written approval of Engineer only. Install all anchors per manufacturer's instructions. Provide minimum edge distance and spacing as noted in manufacturer's instructions unless otherwise noted on drawings. All drilled adhesive anchors in concrete masonry require special inspection during installation.
- See drawings for anchor types required. Substituting expansion anchors for adhesive anchors, screw anchors, or cast-in anchors; adhesive anchors for expansion anchors, screw anchors, or cast-in anchors; or cast-in anchors for adhesive anchors, expansion anchors, or screw anchors is acceptable with written approval of engineer only.
- Contractors wishing to substitute alternate anchors should submit written request, including current ICC ESR reports to engineer for approval.

STRUCTURAL AND MISCELLANEOUS STEEL

- Detailing, fabrication and erection of steel to conform to the Steel Construction Manual of the AISI.
- All steel to be A36 except as noted.
- All wide flange and W1 sections to be A992.
- All welds to be made with E70XX electrodes by hand certified by AWS Standards.
- Unless noted otherwise, all bolts to be A325N for steel to steel connections and A307 for anchor bolts and connections to wood. All steel to steel connections to be snug tight only. Torquing of bolts not required unless specifically noted in detail. Provide standard plate washers under all bolt heads and nuts bearing on wood. All anchor bolts in contact with pressure treated wood to be hot dipped galvanized.
- All structural tubing to be ASTM A500 Grade B, Fy = 46 ksi. All steel pipe to be ASTM A501 (Fy = 36 ksi) or ASTM A53, Type E or S, Grade B (Fy = 35 ksi).
- All light gauge steel 54 mil and heavier shall be formed from steel with a Fy = 50 ksi. Light gauge steel 43 mil and lighter shall be formed from steel with a Fy = 33 ksi. Detail and fabricate all light gauge steel per AISI Standards. All light gauge steel sections indicated on drawings to per the Steel Stud Manufacturers Association specification. All sections to be S125 sections unless otherwise indicated on drawings.
- Provide 54 mil thickness material minimum at all sections which are indicated on the drawings to be welded.
- Do not oversize drilled or punched holes with a torch.
- All welded reinforcing noted to be ASTM Grade A706. All headed stud anchors to be Nelson or approved equal. Weld all headed anchors and reinforcing noted, all around, with 1/4" fillet weld for 1/2" diameter anchors, 5/16" fillet weld for 3/4" diameter anchors, and 3/8" fillet weld for 1" diameter anchors or alternately, use a Nelson stud welding unit.
- All fasteners (hangers, clips, screws, nails, bolts, washers etc.) in contact with pressure treated or fire treated wood to be stainless steel or hot dipped galvanized material. Do not mix stainless steel and galvanized steel in the same connection.
- Provide shop drawings of all structural steel items to engineer for review prior to fabrication.

STRUCTURAL SPECIAL INSPECTIONS

- The following special inspections are required and shall be performed by a qualified independent testing agency in compliance with the requirements of IBC Chapter 17. The testing agency shall provide copies of all test reports to the project engineer in a timely manner. Additional special inspections for non-structural elements not listed in this section are to be per the project specifications.
- Special inspection and testing of concrete is required during the taking of test specimens and placing of all reinforced concrete per the special inspection table except slabs on grade, isolated spread footings for buildings three stories or less, continuous footings supporting light framed walls three stories or less, or concrete footings with specified f_c less than or equal to 2500 psi.
 - Special inspection is required for all structural welding and high strength bolting unless welding is performed in a shop approved by the building official. All field welding requires special inspection.
 - Special inspection is required of all post-installed anchors in concrete or masonry and drilled anchor bolts in concrete. Inspection to be continuous during the anchor installation to insure installation meets all manufacturer's instructions and minimum embedment noted on drawings. See "POST-INSTALLED ANCHORS" section of notes for more information.
 - Periodic special inspection is required of all wood diaphragms, or portions of, edge nailed with multiple rows of fasteners. The special inspector shall verify the sheathing grade and thickness, the framing and blocking sizes, the fastener length and diameter, the number of lines and spacing between fasteners.
 - Periodic special inspection is required of all wood shear walls with edge fastening at 4" O.C. or less, holdowns, sill plate anchorages at designated shear wall locations. Periodic special inspection is required of all collectors, collector strapping and/or attachment, blocking/nail joint attachments, and wall top plate splices in shear wall lines at all locations in the building. Periodic special inspection is required of wood diaphragms or portions of with edge fastening of 4" O.C. or less.

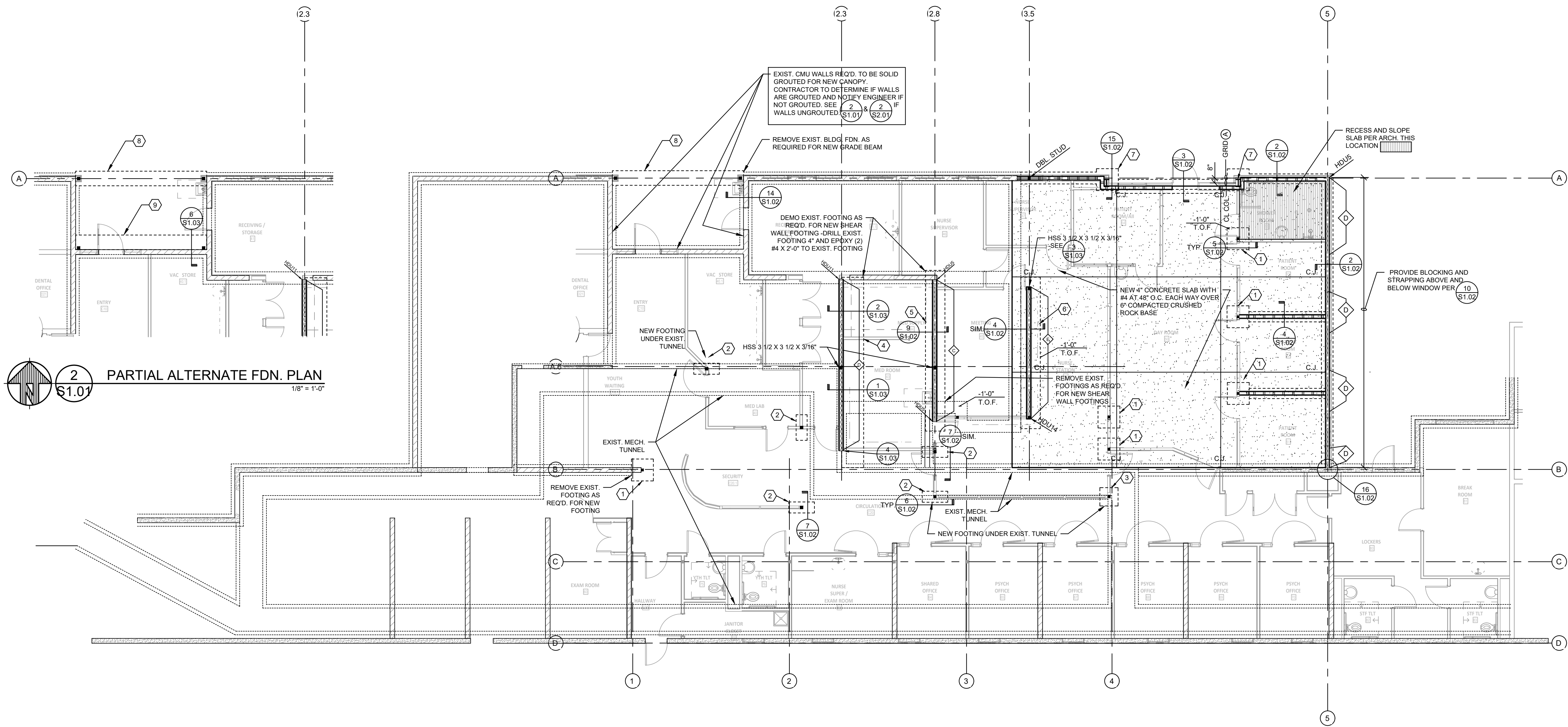
CONCRETE - SPECIAL INSPECTIONS				REMARKS
SYSTEM OR MATERIAL	OSBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6) CONTINUOUS PERIODIC	
GENERAL	1705.3.1 1901.6	ACI 318: 26.13		SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318.
REINFORCING STEEL AND POST-TENSIONING (PRESTRESSED) TENSION PLACEMENT	1901.6.2 1908.4	ACI 318: CH. 20, 25.2, 25.3, 26.5, 28.3.3, 28.13.3.2	X	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.
WELDING REINFORCING STEEL	1705.3.1 1901.6.2 1903.1 1903.2	AISC 318: 17.8.2	X	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL TUBES EMBEDDED IN CONCRETE HEADED STUDS, (DEAN, ETC.)
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318: 17.8.2	X	
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2 1908.2 1908.3	ACI 318: CH. 19, 26.4.3, 26.4.4	X	
CONCRETE SPECIMENS FOR TESTING	1908.10	ASTM C172 ASTM C91 ACI 318: 26.5, 26.12	X	PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.
CONCRETE/SHOTCRETE PLACEMENT, NON-SHRINK GROUT	1908.8, 1908.9	ACI 318: 26.5, 26.13.3.2	X	
CONCRETE/SHOTCRETE CURING	1908.9	ACI 318: 26.5.3, 26.13.3.3	X	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES
APPLICATION OF PRESTRESSING FORCES AT JOISTS (POST-TENSIONED CONCRETE)	1908.9	ACI 318: 26.10, 26.13.3.2	X	
GRAVITY OF WONDEN PRESTRESSING TENDONS AT JOISTS	-	ACI 318: 26.10, 26.13.3.2	X	
VERIFYING OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE	-	ACI 318: 26.11.2	X	
VERIFYING OF CAST-IN CONCRETE PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND SLABS	-	ACI 318: 26.11.2	X	
ERECTION OF PRECAST MEMBERS	ACI 318: 26.9, 26.13.3.3	ACI 318: 26.9, 26.13.3.3	X	ALL CONNECTIONS VISUALLY INSPECTED. REFER TO ANCHOR BOLTS AND WELDING REQUIREMENTS.
VERIFYING OF FORMWORK	ACI 318: 26.11.1 (20)	ACI 318: 26.11.1 (20)	X	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED
EMBEDDED ITEMS IN CONCRETE	-	ACI 318: 26.11.1 (20)	X	ALL NON-STRUCTURAL EMBEDDED ITEMS, SUCH AS CONDUITS, PIPES AND BUEVES, SHALL BE LOCATED AND DIMENSIONS OF THE CONCRETE MEMBER, LOCATION, EDGE DISTANCE AND TRIM REINFORCING.
REINFORCING STEEL MECHANICAL COUPLERS, TERMINATIONS AND FORMERS	ICC EVALUATION REPORTS	ICC EVALUATION REPORTS	X	
REINFORCING STEEL PLACEMENT AT SPECIAL MOMENT RESISTING FRAMES	-	ACI 318: 26.13.4, 26.13.5.2	X	INSPECTOR TO BE QUALIFIED TO PERFORM THESE INSPECTIONS

STRUCTURAL OBSERVATIONS:

- THE OWNER SHALL EMPLOY THE ENGINEER OF RECORD (SER) TO PERFORM STRUCTURAL OBSERVATIONS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) SECTION 1704.5, STRUCTURAL OBSERVATIONS ARE THE VISUAL OBSERVATIONS OF THE STRUCTURAL SYSTEM BY A REGISTERED DESIGN PROFESSIONAL FOR THE GENERAL PERFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE REQUIRED INSPECTIONS AS NOTED IN SECTIONS 110, 1705 OR OTHER SECTIONS OF THE IBC.
- THE OWNER AND THE BUILDING OFFICIAL SHALL REPORT ANY DEFICIENCIES IN WRITING. THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE OWNER, AT THE CONCLUSION OF THE STRUCTURAL WORK CONTAINED WITHIN THE PERMIT, A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE, IN ADDITION, THAT THEY HAVE IDENTIFIED ANY REPORTED DEFICIENCIES WHICH, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE STRUCTURAL OBSERVER A MINIMUM OF 48 HOURS PRIOR TO THE TIME AT WHICH THE SPECIFIED STRUCTURAL OBSERVATIONS MAY BE PERFORMED. CONSTRUCTION PROGRESS SHALL ALSO BE UPDATED TO THE STRUCTURAL OBSERVER BY THE CONTRACTOR.
- THE FOLLOWING AREAS OF WORK SHALL BE PERFORMED FOR STRUCTURAL OBSERVATIONS:

STRUCTURAL OBSERVATIONS	
ITEM	SER
FOOTING REINFORCING AND FORM WORK PRIOR TO CONCRETE PLACEMENT	
FLOOR FRAMING AND HARDWARE PLACEMENT	
ROOF FRAMING AND HARDWARE PLACEMENT	
COMPLETION OF ALL STRUCTURAL ELEMENTS CONTAINED HEREIN	X
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	X

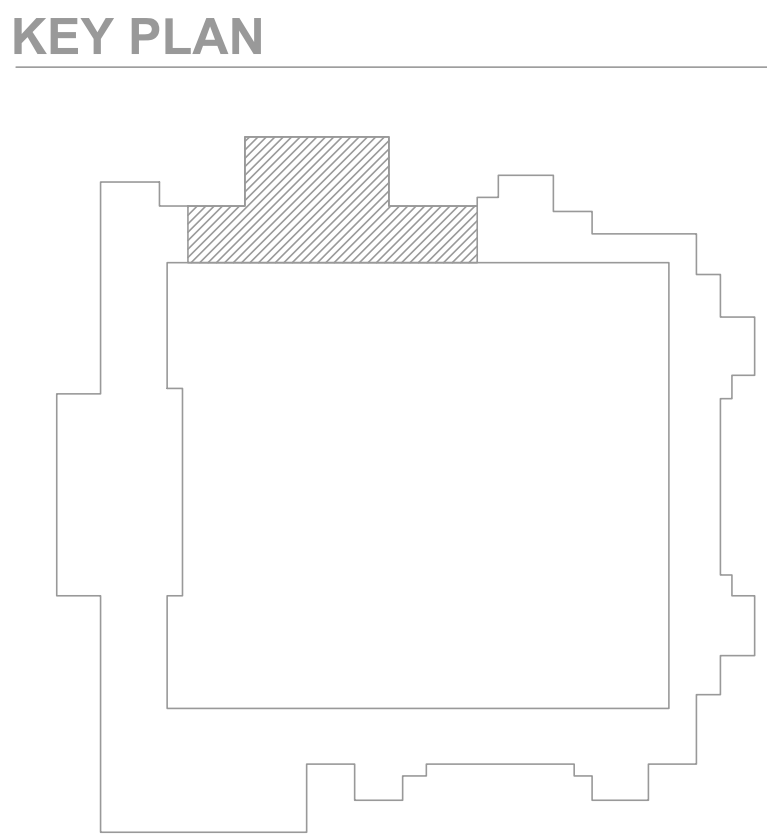
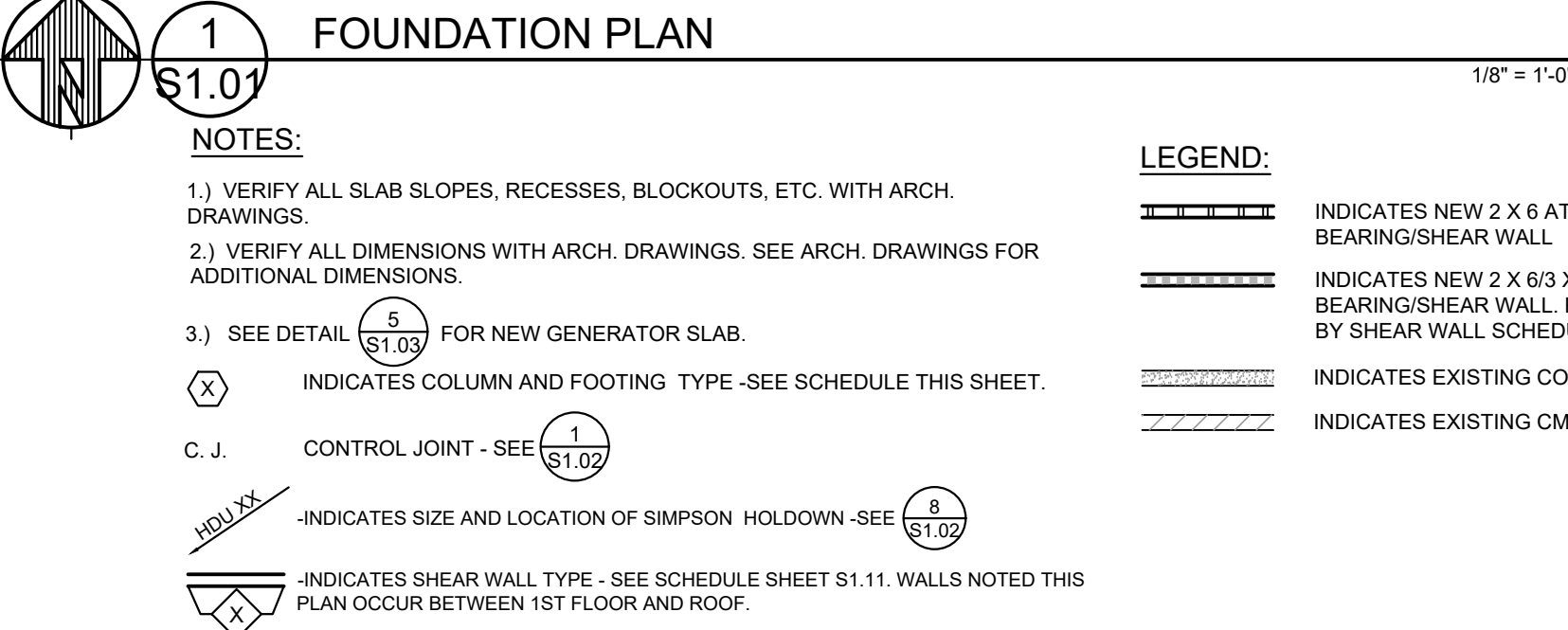
STEEL - SPECIAL INSPECTIONS					REMARKS
SYSTEM OR MATERIAL	OSBC CODE REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION (NOTES 6 AND 8)	CONTINUOUS PERIODIC OBSERVE	
CONTRACTOR QUALITY CONTROL, REQUIREMENTS		ASC 360 CHAPTER N	X	X	CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW
STEEL FABRICATION					
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.1	ASC 360	X	X	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS	1505.2.1 2004.1 TABLE 1705.2	ASTM A36 ASTM A572 STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS ASC 360 A5.1 ASC 360 A5.2 ASC 360 A5.3 ASC 360 A5.4 ASC 360 A5.5 ASC 360 A5.6 ASC 360 A5.7 ASC 360 A5.8 ASC 360 A5.9 ASC 360 A5.10 ASC 360 A5.11 ASC 360 A5.12 ASC 360 A5.13 ASC 360 A5.14 ASC 360 A5.15 ASC 360 A5.16 ASC 360 A5.17 ASC 360 A5.18 ASC 360 A5.19 ASC 360 A5.20 ASC 360 A5.21 ASC 360 A5.22 ASC 360 A5.23 ASC 360 A5.24 ASC 360 A5.25 ASC 360 A5.26 ASC 360 A5.27 ASC 360 A5.28 ASC 360 A5.29 ASC 360 A5.30 ASC 360 A5.31 ASC 360 A5.32 ASC 360 A5.33 ASC 360 A5.34 ASC 360 A5.35 ASC 360 A5.36 ASC 360 A5.37 ASC 360 A5.38 ASC 360 A5.39 ASC 360 A5.40 ASC 360 A5.41 ASC 360 A5.42 ASC 360 A5.43 ASC 360 A5.44 ASC 360 A5.45 ASC 360 A5.46 ASC 360 A5.47 ASC 360 A5.48 ASC 360 A5.49 ASC 360 A5.50 ASC 360 A5.51 ASC 360 A5.52 ASC 360 A5.53 ASC 360 A5.54 ASC 360 A5.55 ASC 360 A5.56 ASC 360 A5.57 ASC 360 A5.58 ASC 360 A5.59 ASC 360 A5.60 ASC 360 A5.61 ASC 360 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SHEAR WALL SCHEDULE 1, 2, 3, 5, 7, 8, 9				
MK	SHEATHING AND NAILING	BASE CONNECTION		RIM JOIST ANCHORAGE
		ANCHOR BOLTS	NAILS	
A	15/32" APA RATED SHEATHING, ONE SIDE ALL EDGES BLOCKED, WITH 10d NAILS AT 6" O.C. ALL PANEL EDGES AND 10d NAILS AT 12" O.C. FIELD.	3/4" DIA. AT 48" O.C.	(2) 16d AT 8" O.C.	A35 AT 24" O.C.
B	15/32" APA RATED SHEATHING ONE SIDE, ALL EDGES BLOCKED, WITH 10d NAILS AT 6" O.C. ALL PANEL EDGES AND 10d NAILS AT 12" O.C. FIELD.	3/4" DIA. AT 32" O.C.	16d AT 4" O.C. STAGGERED OR 1/4" DIA. X 5" SIMPSON SDS SCREWS AT 8" O.C.	A35 AT 18" O.C.
C	15/32" APA RATED SHEATHING ONE SIDE, ALL EDGES BLOCKED, WITH 10d NAILS AT 6" O.C. ALL PANEL EDGES AND 10d NAILS AT 12" O.C. FIELD.	3/4" DIA. AT 24" O.C.	16d AT 3" O.C. STAGGERED OR 1/4" DIA. X 5" SIMPSON SDS SCREWS AT 8" O.C.	A35 AT 12" O.C.
D	15/32" APA RATED SHEATHING EA. SIDE, ALL EDGES BLOCKED, WITH 10d NAILS AT 6" O.C. ALL PANEL EDGES AND 10d NAILS AT 12" O.C. FIELD.	3/4" DIA. AT 16" O.C.	1/4" X 6" SIMPSON SDS SCREWS AT 4" O.C. STAGGERED	A35 AT 9" O.C.
E	15/32" APA RATED SHEATHING EA. SIDE, ALL EDGES BLOCKED, WITH 10d NAILS AT 6" O.C. ALL PANEL EDGES AND 10d NAILS AT 12" O.C. FIELD.	3/4" DIA. AT 16" O.C.	1/4" X 6" SIMPSON SDS SCREWS AT 3" O.C. STAGGERED	A35 OR LTPM AT 12" O.C. EA. SIDE

COLUMN / FOOTING SCHEDULE				
MK.	COLUMN	FOOTING	REINFORCEMENT	REMARKS
1	HSS 3 1/2 X 3 1/2 X 3/16"	3'-0" X 3'-0" X 12" DEEP	(4) #4 EACH WAY	
2	HSS 3 1/2 X 3 1/2 X 3/16"	1'-6" X 3'-6" X 12" DEEP	(3) #4 LONGIT.	
3	HSS 3 1/2 X 3 1/2 X 3/16"	2'-6" X 2'-6" X 12" DEEP	(3) #4 EACH WAY	
4	SHEAR WALL	3'-0" WIDE X 3'-10" +/- DEEP	(4) #5 LONGIT. AND (4) #5 LONGIT. AND #4 TRANSV. AT 24" O.C.	MATCH EXIST. TRENCH DEPTH
5	SHEAR WALL	2'-8" WIDE X 16" DEEP X 22'-0" LONG	(4) #5 LONGIT. AND #4 TRANSV. AT 18" O.C. TOP AND BOTTOM	
6	SHEAR WALL	4'-0" WIDE X 16" DEEP X 25'-0" LONG	(4) #5 LONGIT. AND #4 TRANSV. AT 18" O.C. TOP AND BOTTOM	
7	W12 X 50	3'-6" X 3'-6" X 12" DEEP	(4) #4 EACH WAY	
8	(2) HSS 6 X 6 X 3/16"	2'-0" WIDE X 2'-0" DEEP GRADE BEAM	(4) #6 TOP (2) #5 BOTTOM (4) #5 TOP (2) #5 BOTTOM	#3 TIES AT 12" O.C.
9	(2) HSS 5 X 5 X 3/16"	2'-0" WIDE X 2'-0" DEEP GRADE BEAM	(4) #6 TOP (2) #5 BOTTOM	#3 TIES AT 12" O.C.

DESIGN SOIL PRESSURE = 1500 PSF (ASSUMED)



FDN. PLAN - LEVEL 1

S1.01

MacLAREN INFIRMARY & PHARMACY
RENOVATION
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071

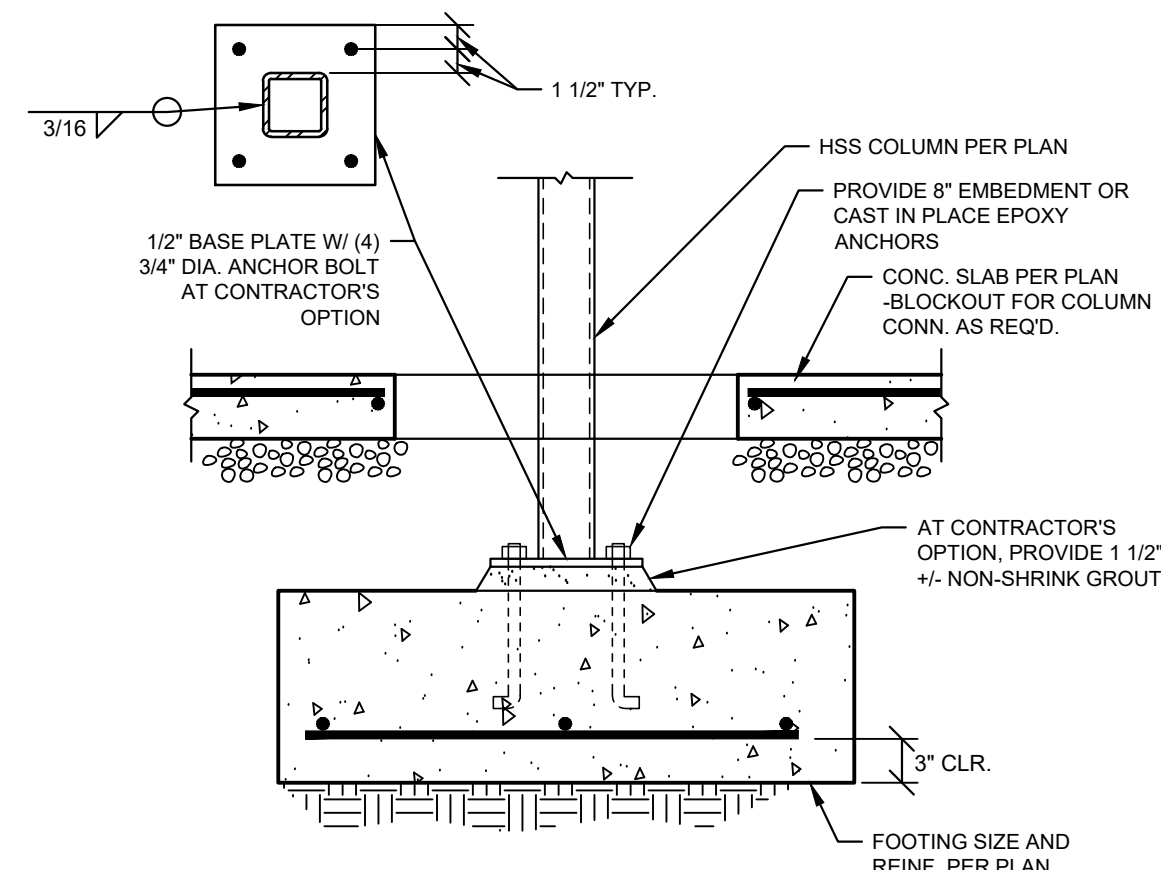
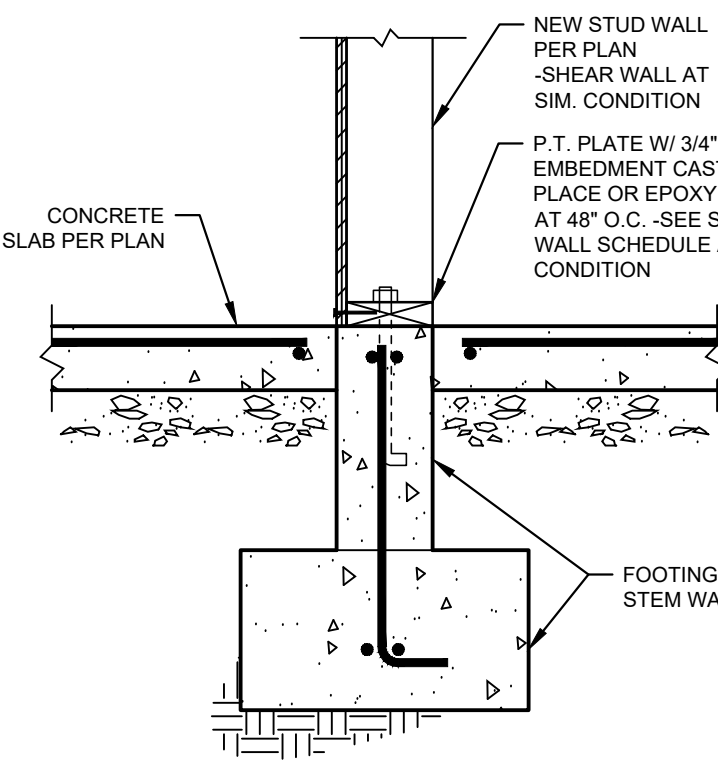
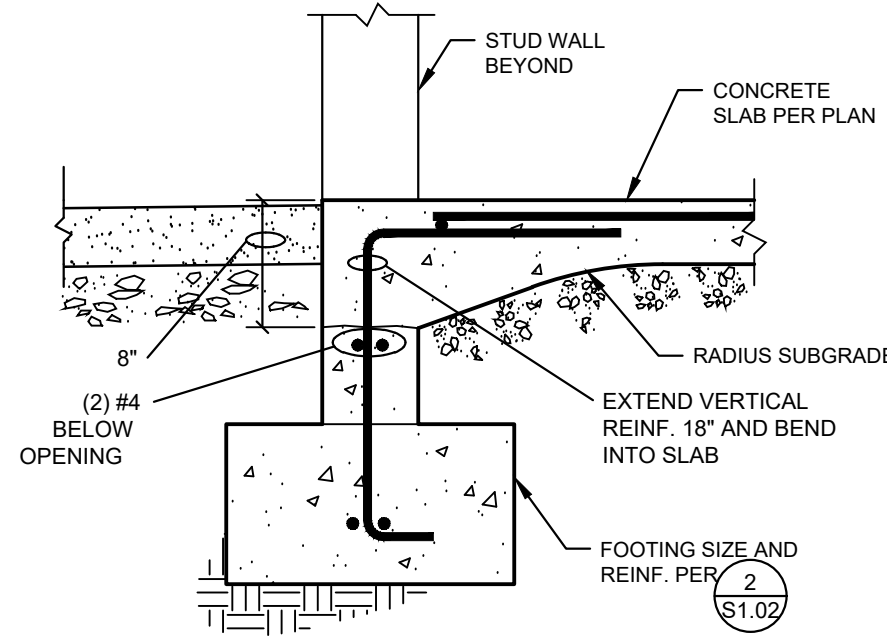
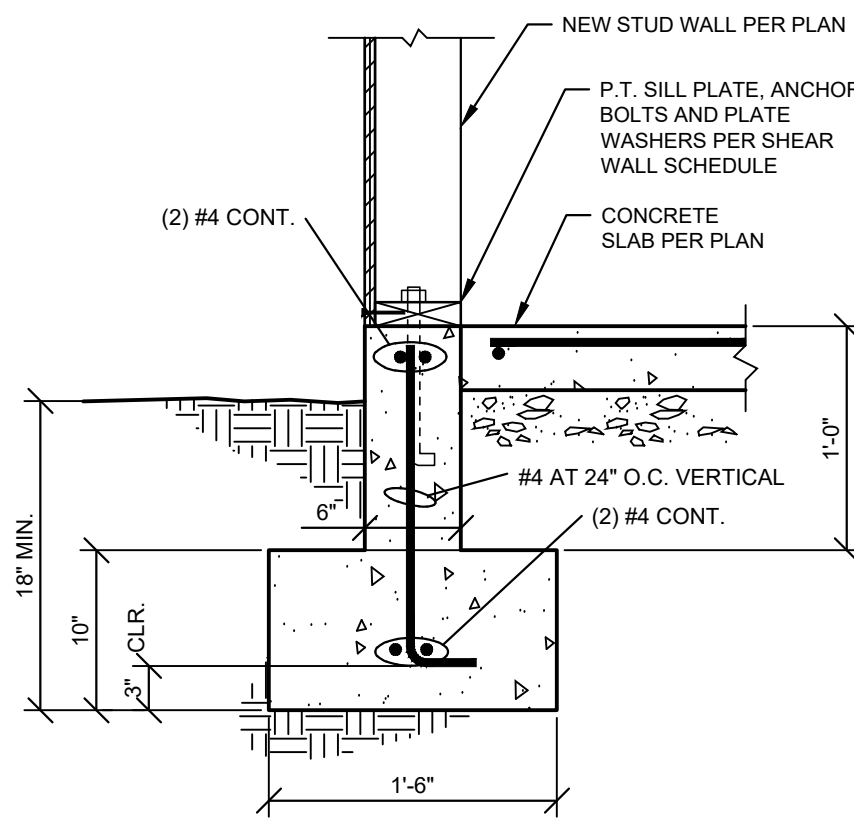
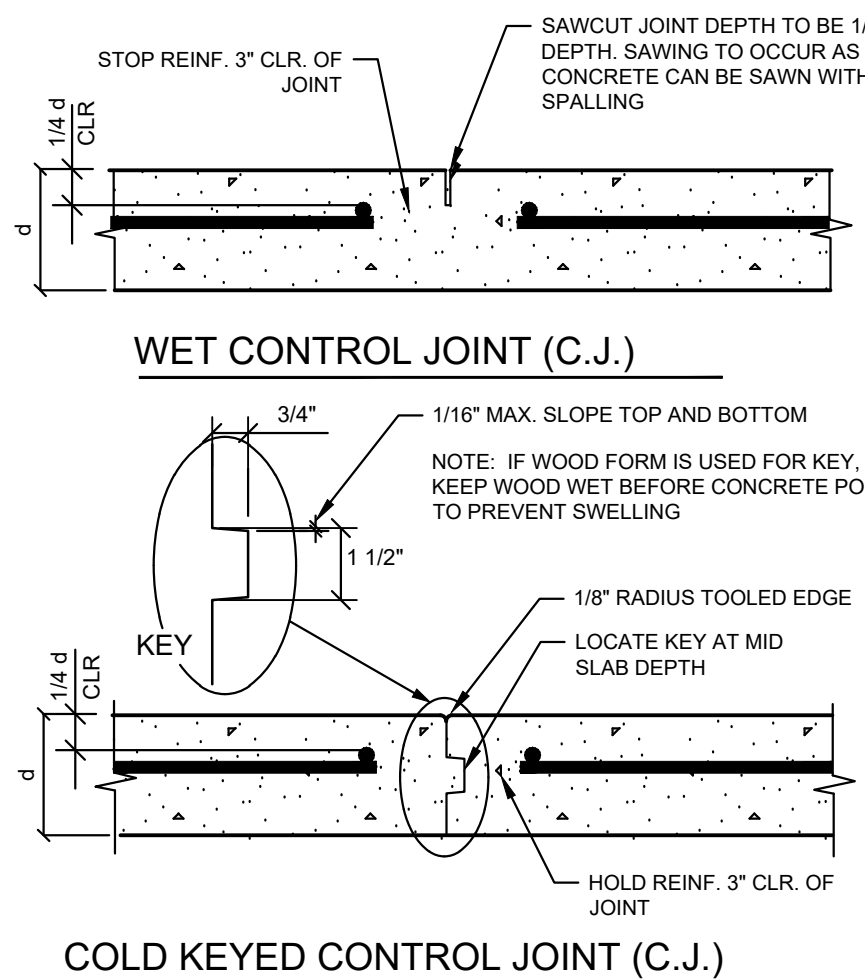


ISSUE DATE: 06.19.2023

REVISIONS:

CONSTRUCTION DOCUMENTS





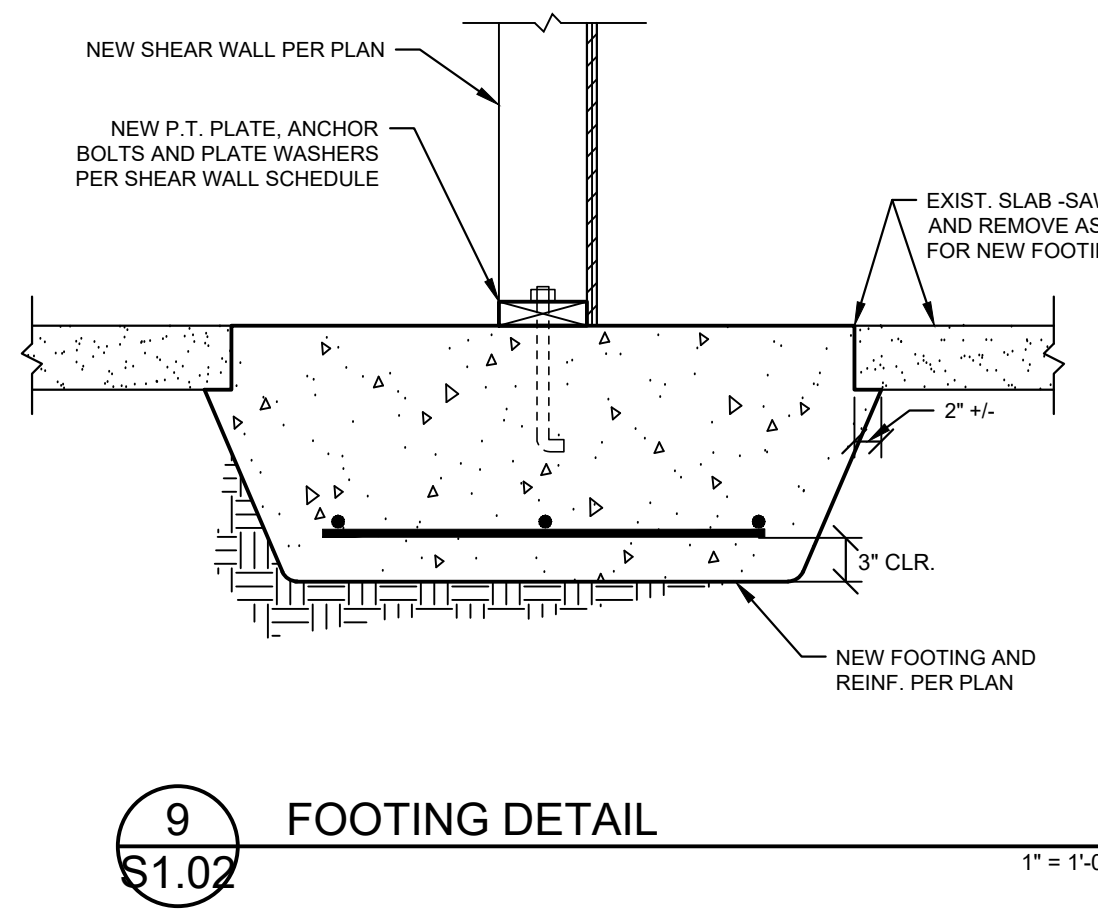
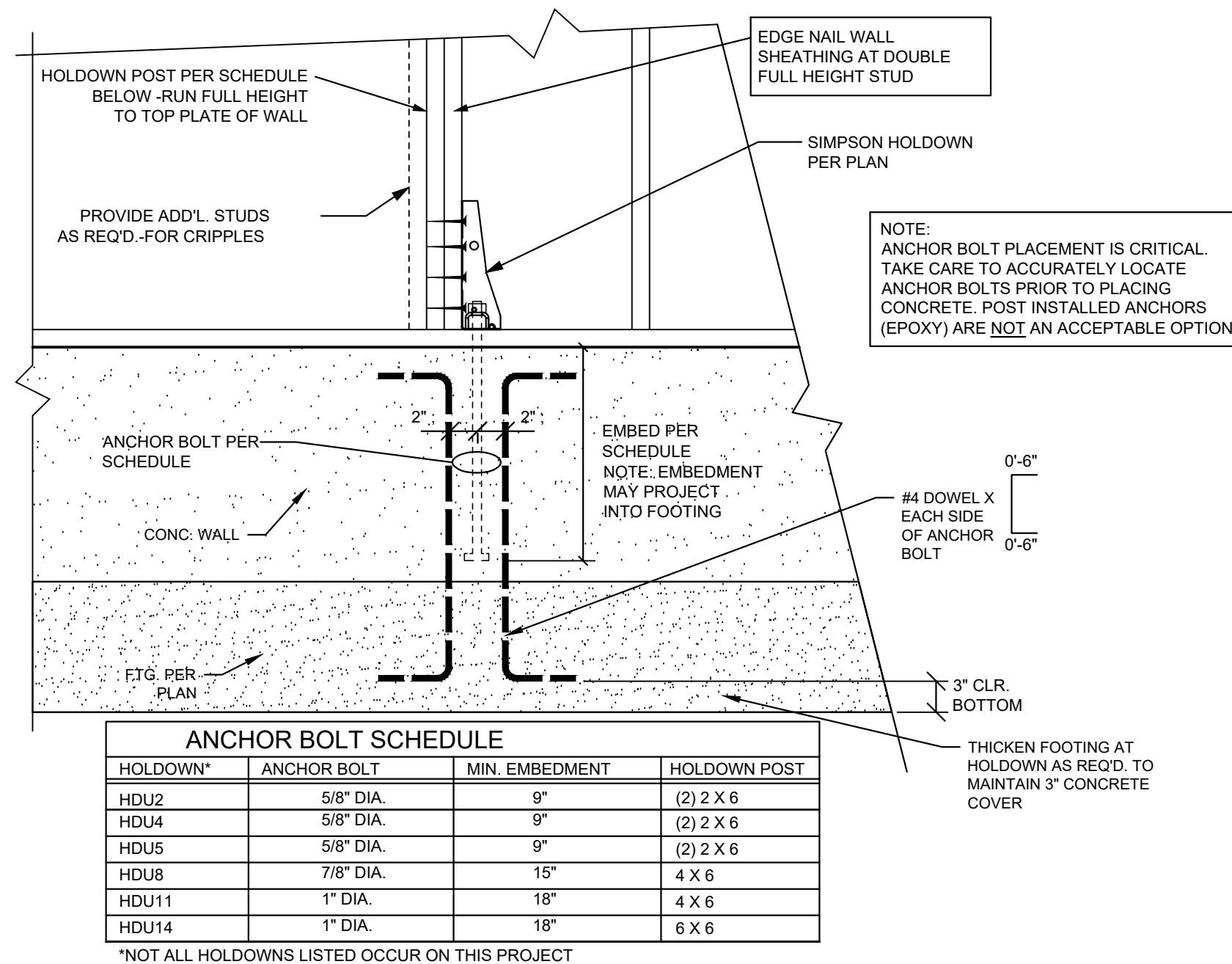
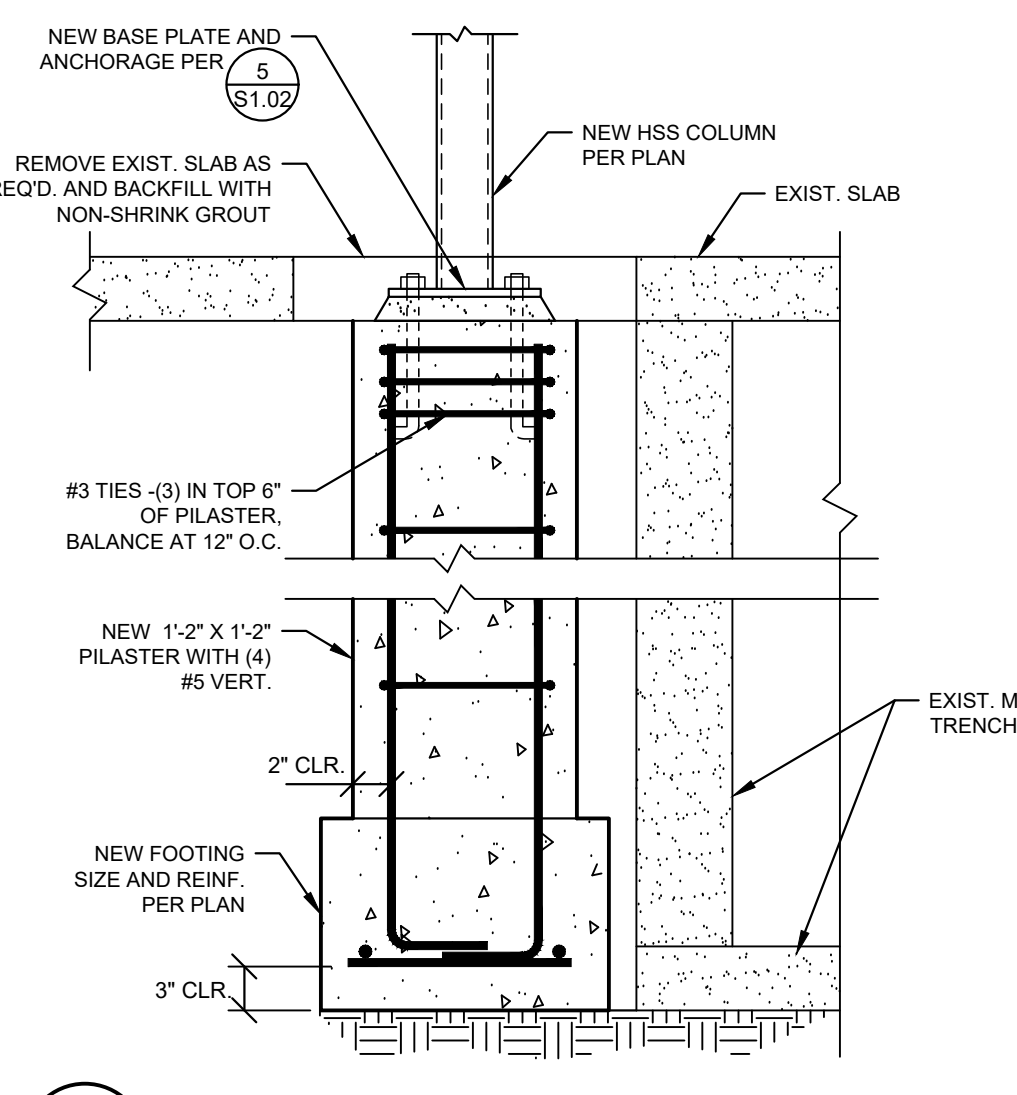
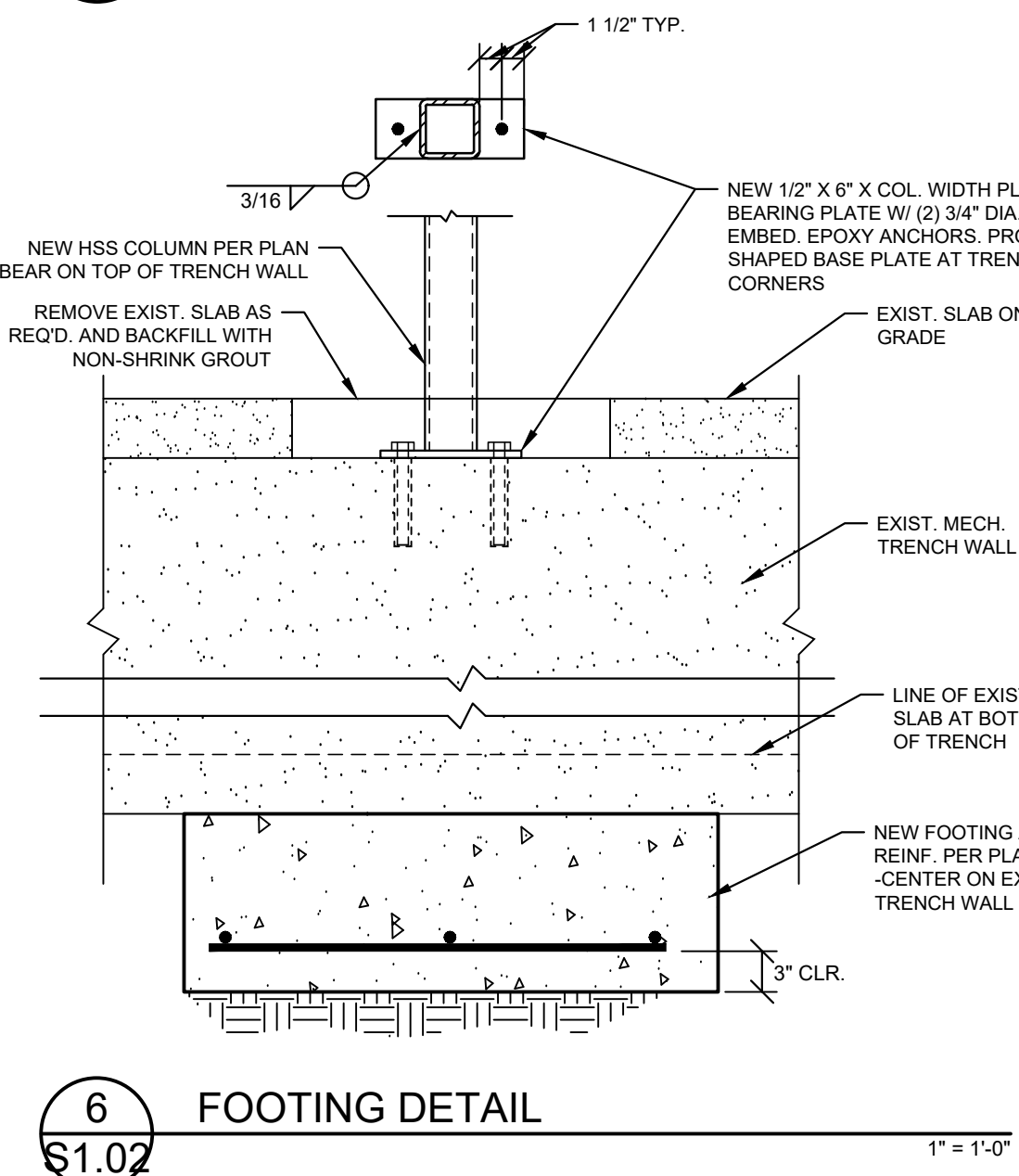
1 TYPICAL CONTROL JOINTS
1 1/2" = 1'-0"

2 FOOTING DETAIL
1" = 1'-0"

3 FOOTING DETAIL
1" = 1'-0"

4 FOOTING DETAIL
1" = 1'-0"

5 FOOTING DETAIL
1" = 1'-0"

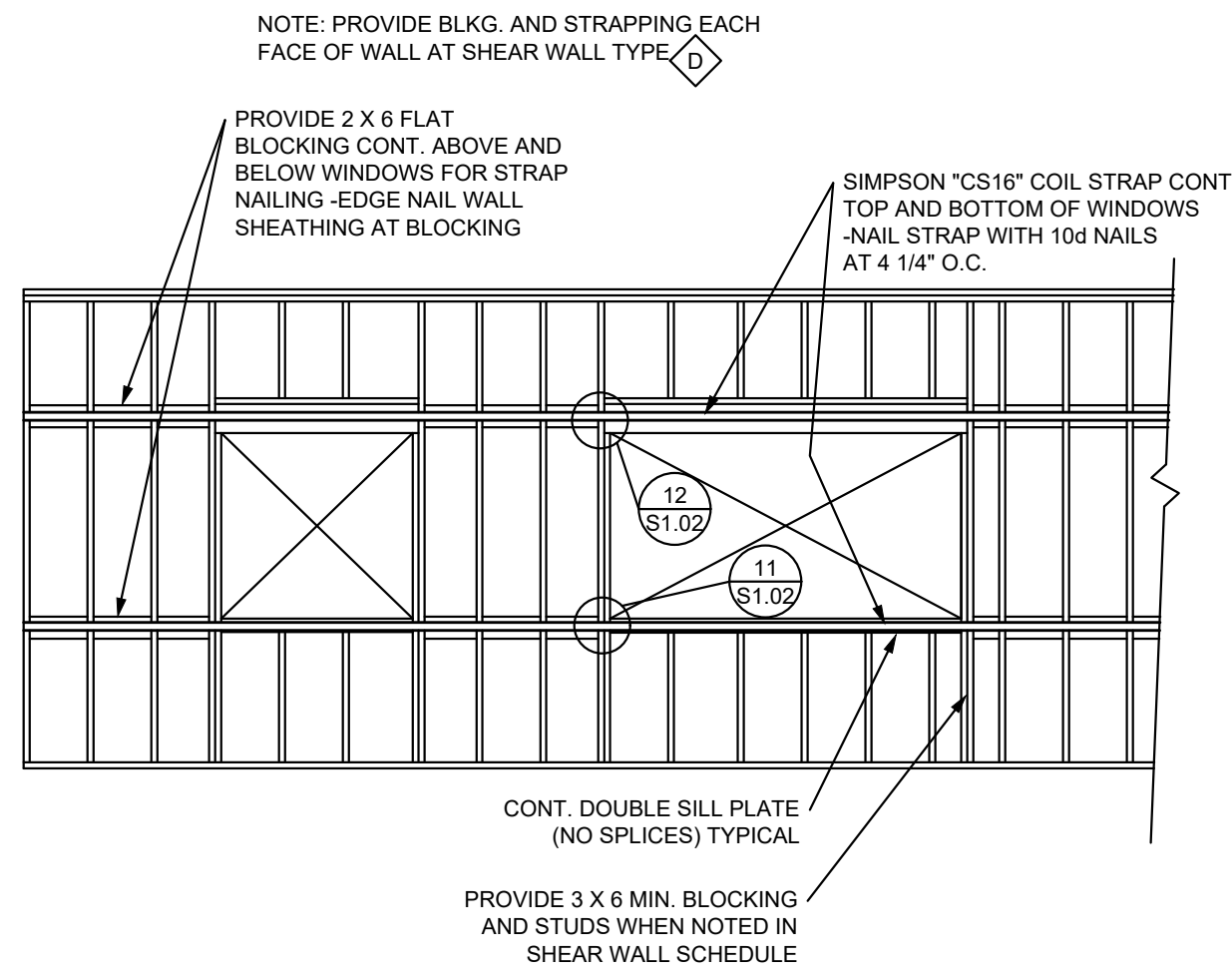


6 FOOTING DETAIL
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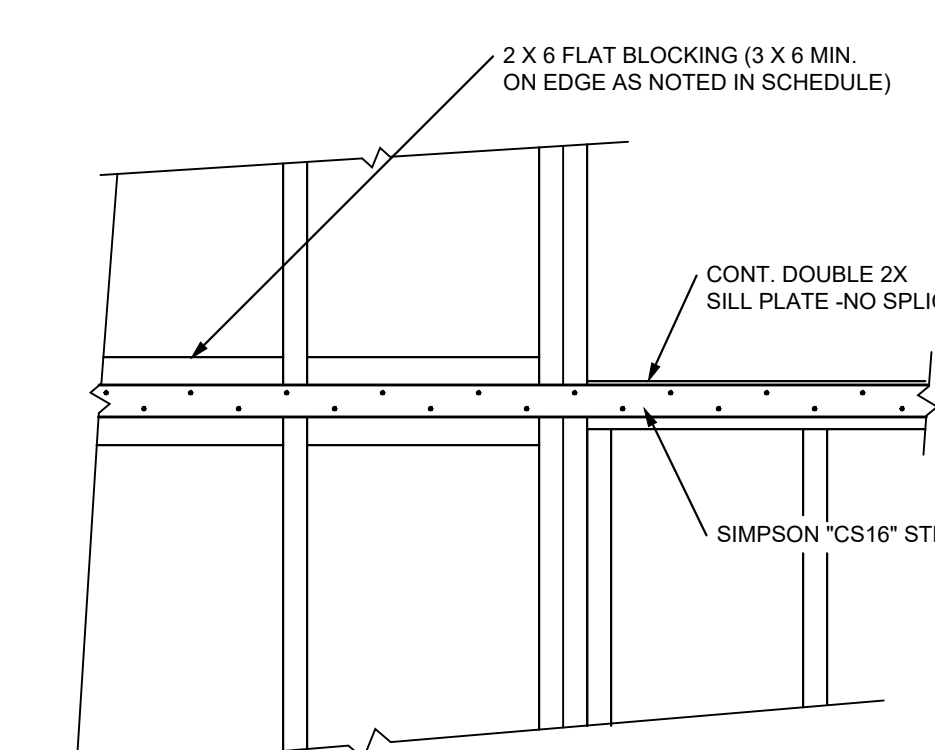
7 FOOTING DETAIL
1" = 1'-0"

8 HOLDOWN DETAIL
1" = 1'-0"

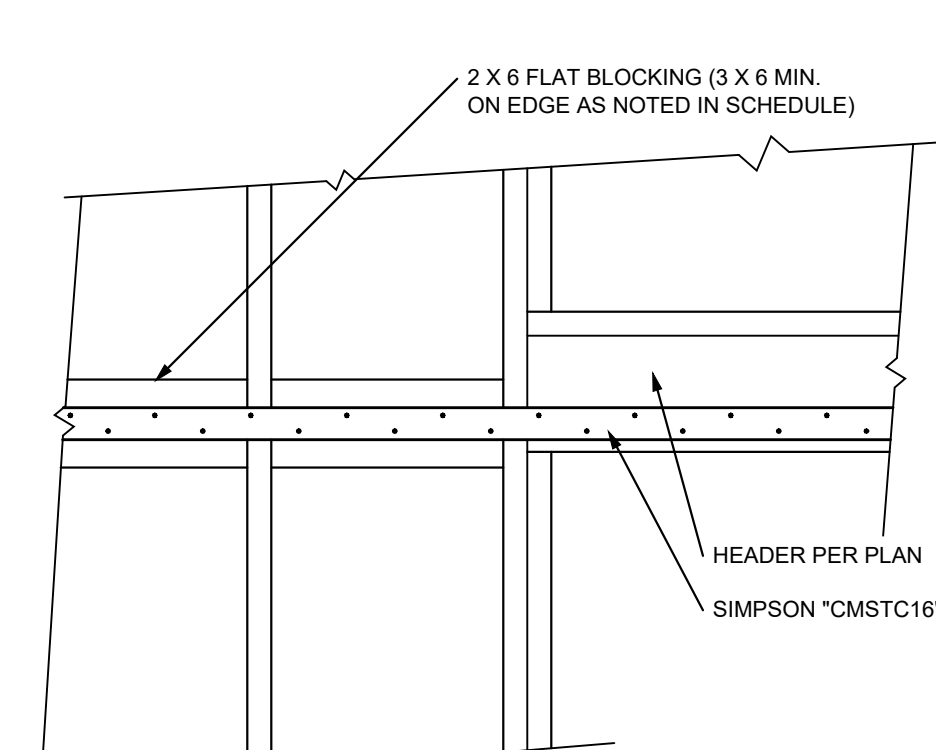
9 FOOTING DETAIL
1" = 1'-0"



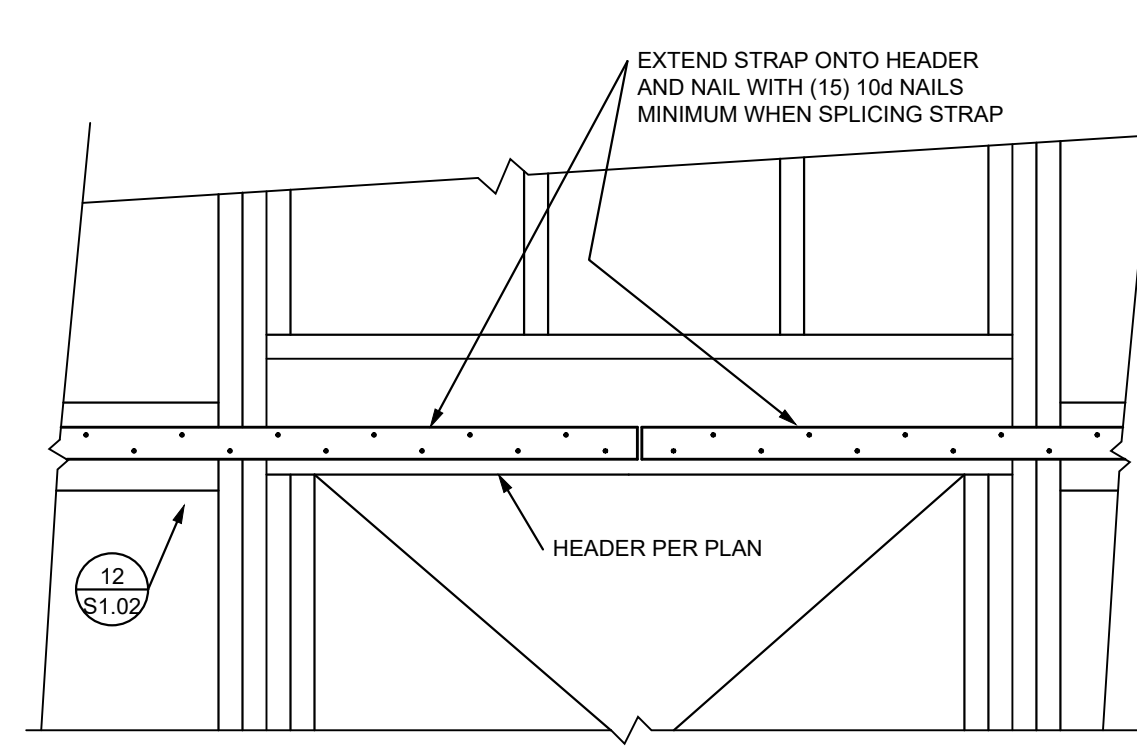
- NOTES:
- 1) SHEAR WALL TYPE INDICATED ON PLAN NOTES NAILING BETWEEN OPENINGS AS INDICATED BY HATCHED AREA.
 - 2) PROVIDE 3X BLOCKING AND STUDS AS NOTED BY SHEAR WALL SCHEDULE.
 - 3) SPLICE ALL 'CS' STRAPS AT HEADERS ONLY. NAIL EACH STRAP TO HEADER WITH (15) 10d NAILS MINIMUM. SEE SCHEDULE.
 - 4) LOCATE 'C' STRAP ON OUTSIDE FACE OF WALL AND RUN FULL LENGTH ABOVE AND BELOW OPENINGS UNLESS NOTED OTHERWISE ON PLAN.



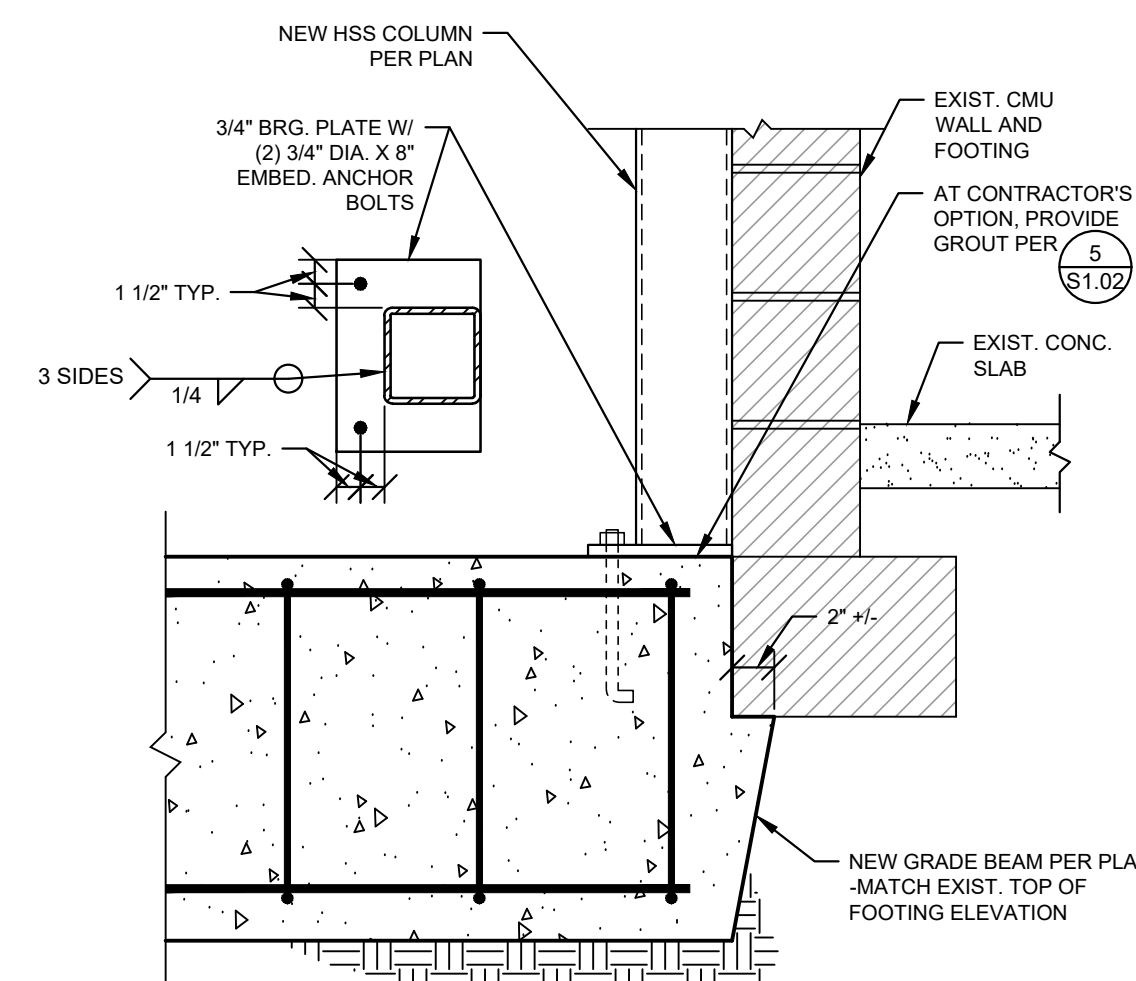
11 SHEAR WALL ELEVATION
1" = 1'-0"



12 SHEAR WALL ELEVATION
1" = 1'-0"

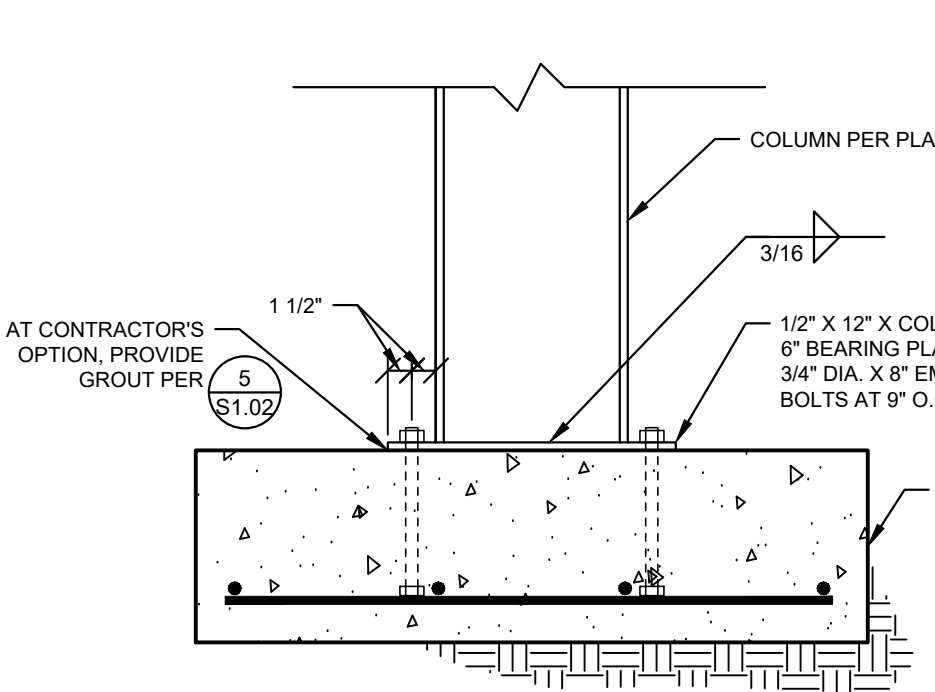


13 SHEAR WALL ELEVATION
1" = 1'-0"

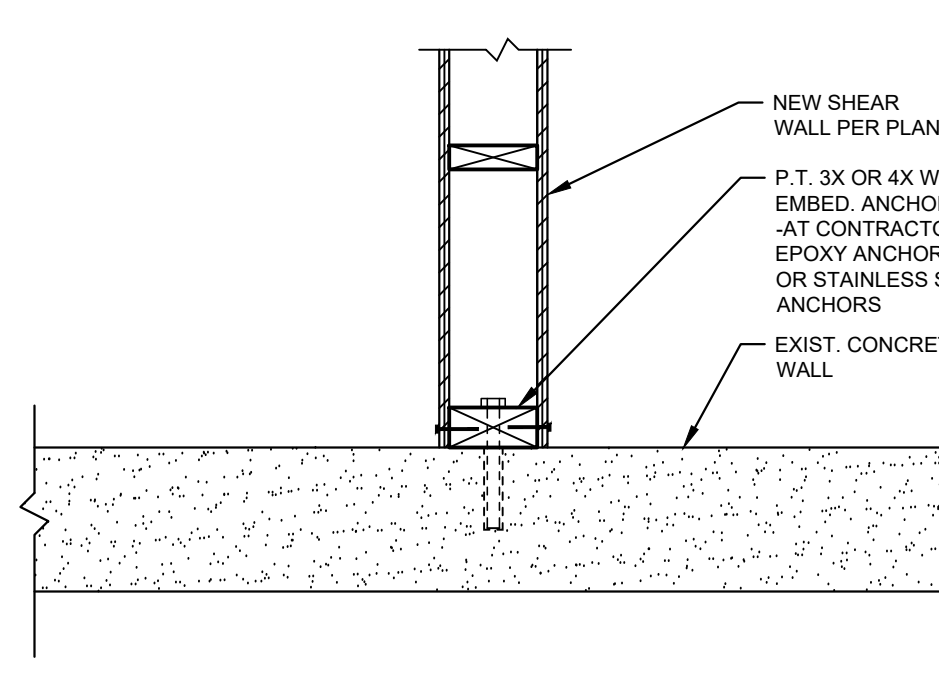


14 FOOTING DETAIL
1" = 1'-0"

10 SHEAR WALL ELEVATION
1/4" = 1'-0"



15 FOOTING DETAIL
1" = 1'-0"



16 SHEAR WALL AT EXIST. CONC. WALL
1" = 1'-0"

MacLAREN INFIRMARY & PHARMACY

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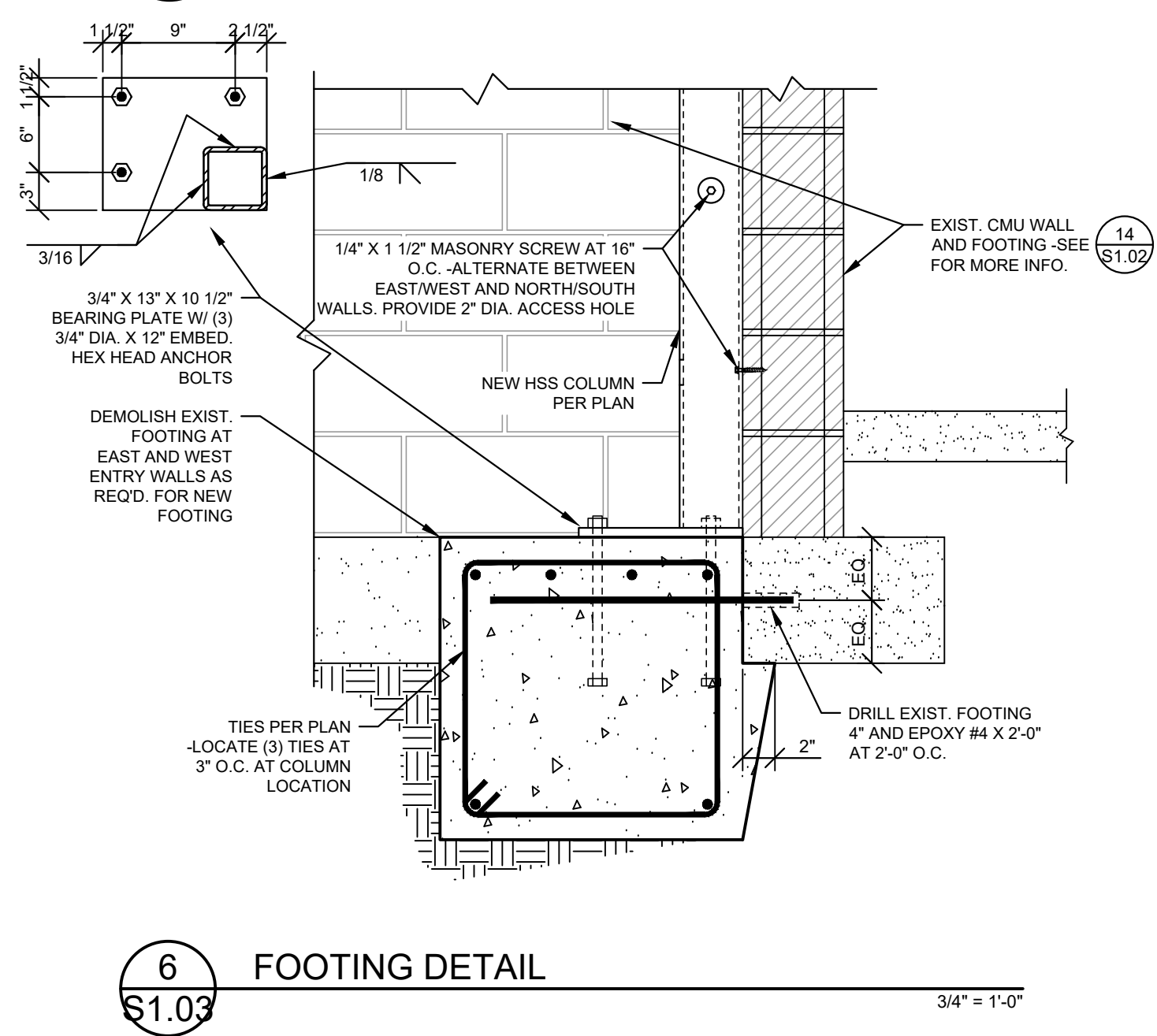
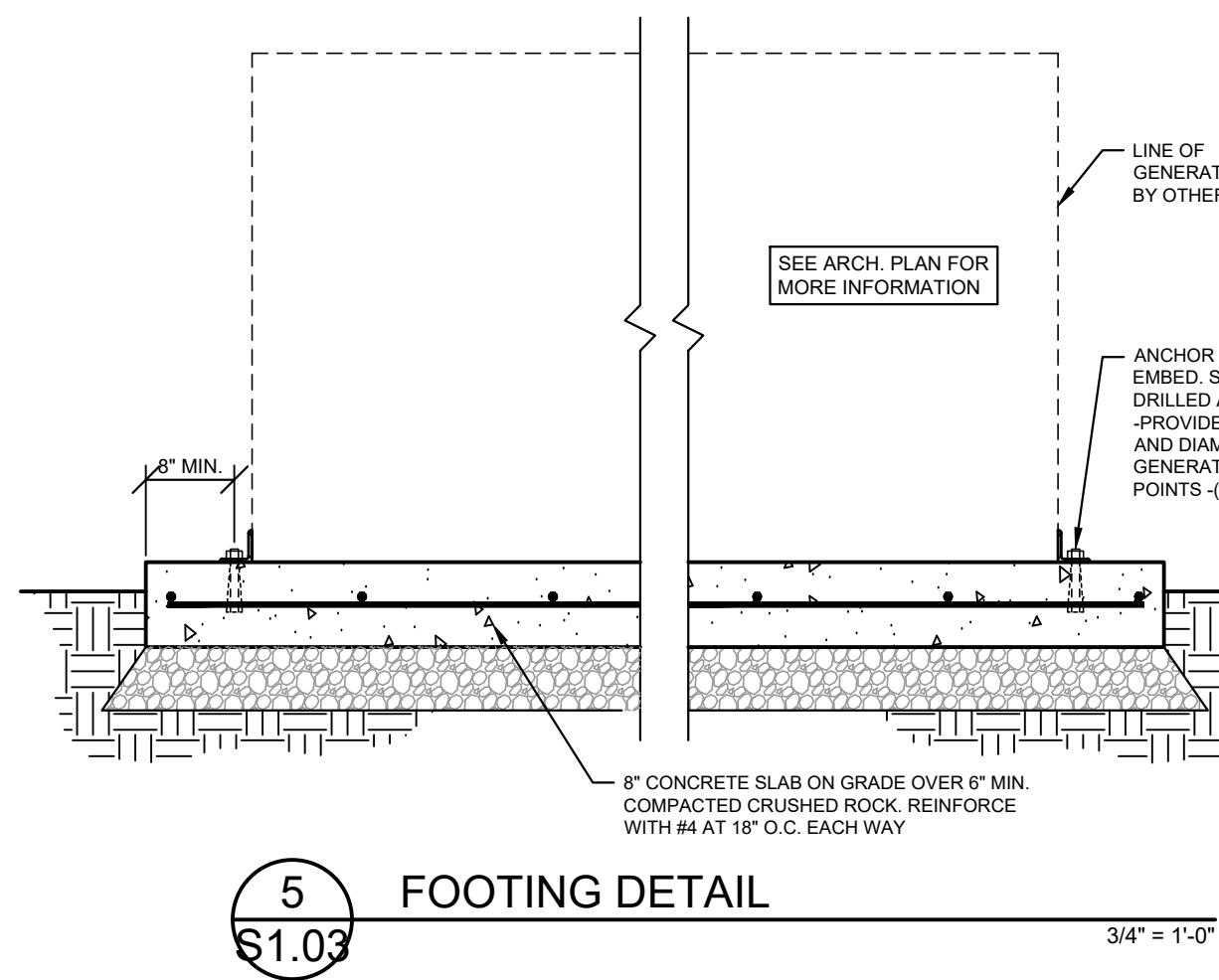
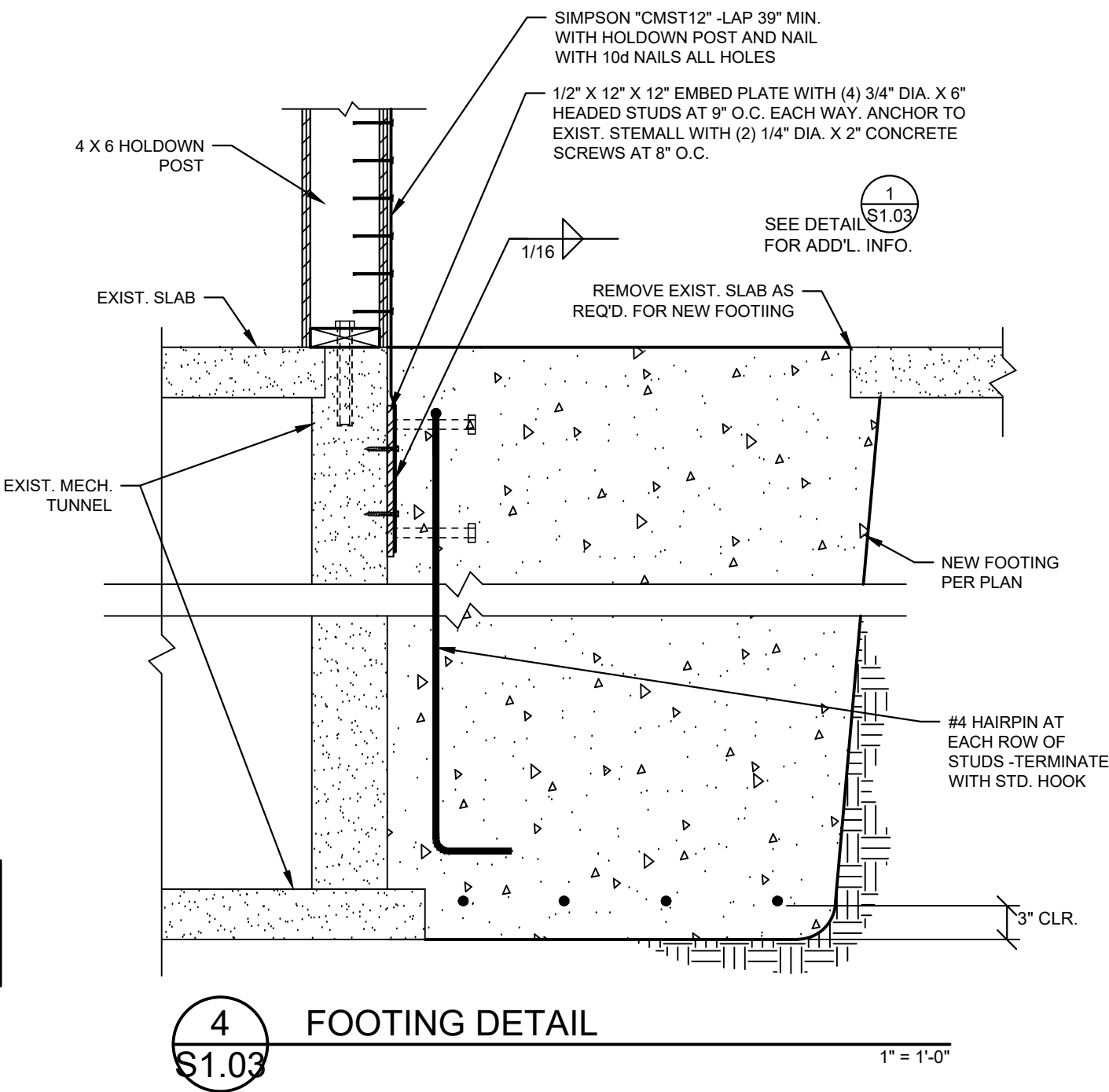
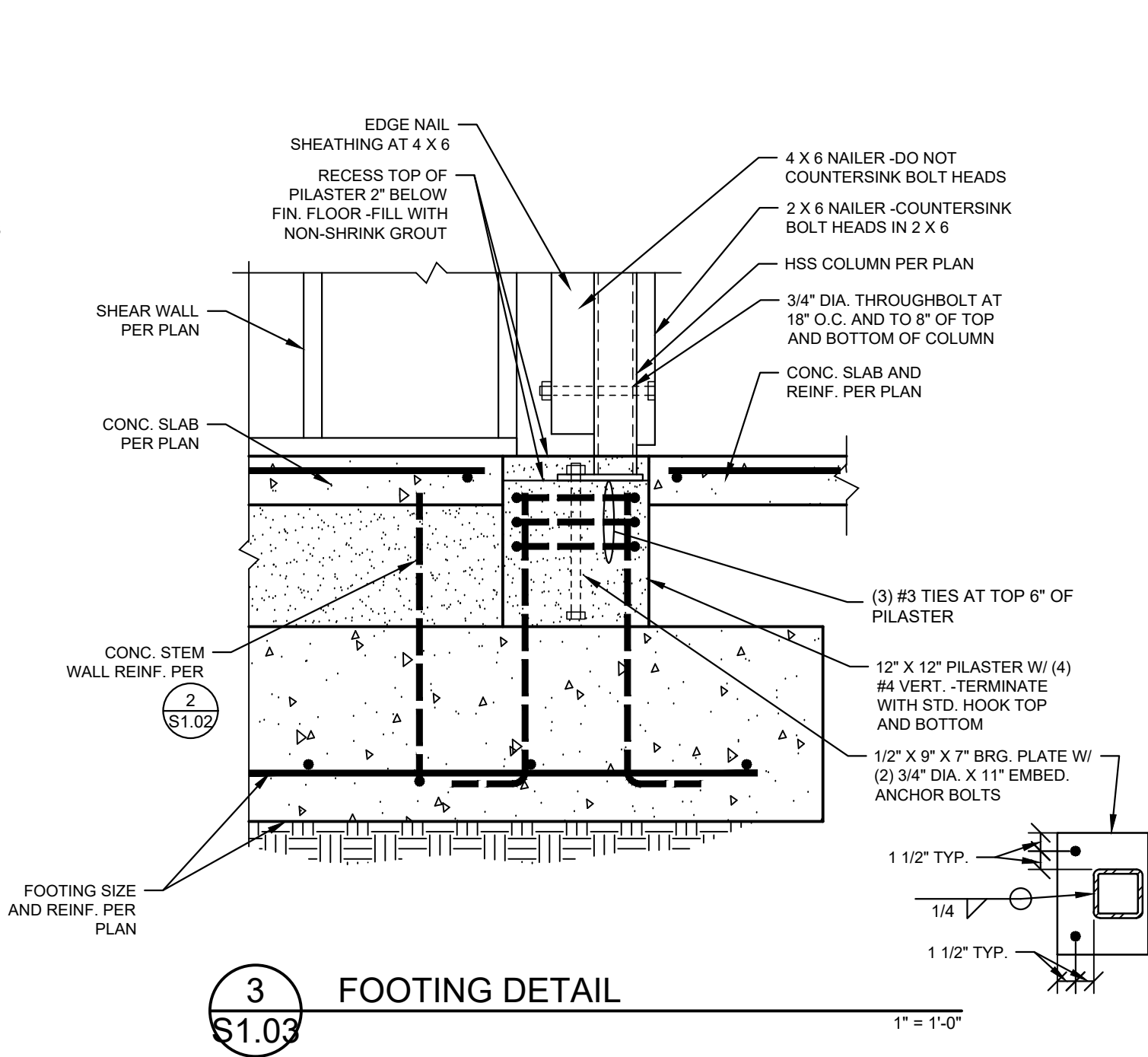
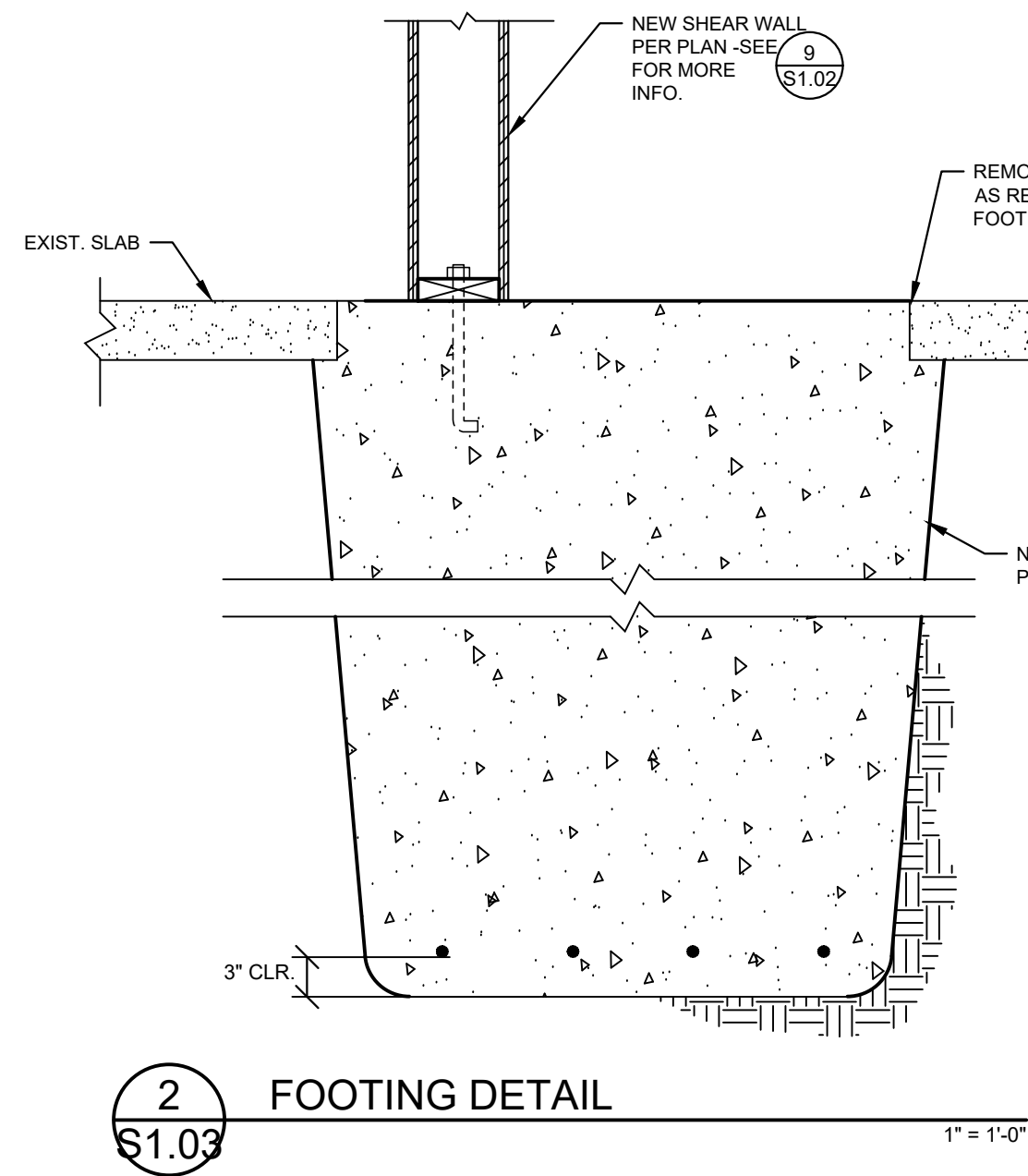
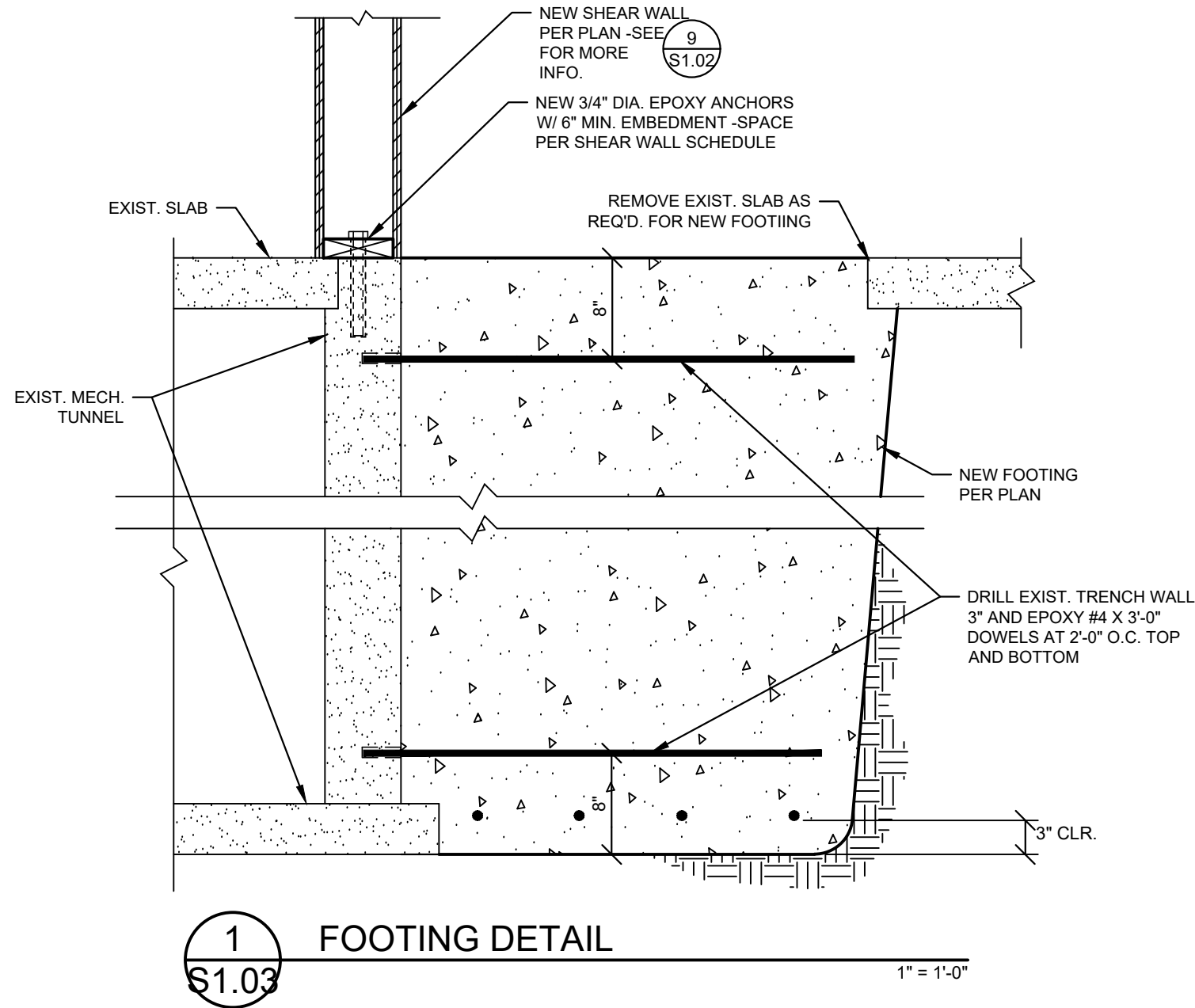


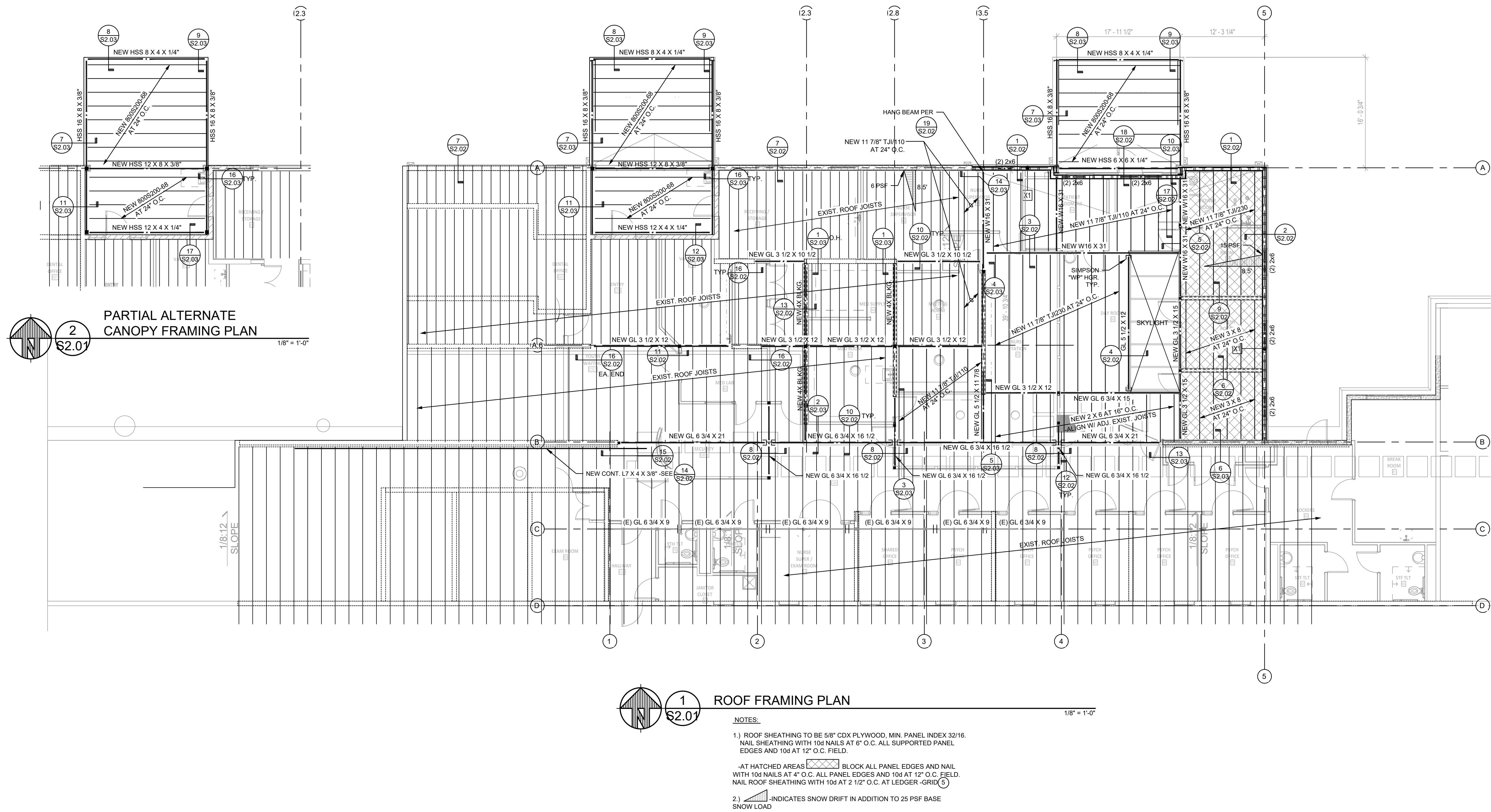
ISSUE DATE: 06.19.2023

REVISIONS:

FOUNDATION DETAILS

S1.02





**MacLAREN INFIRMARY & PHARMACY
RENOVATION**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071

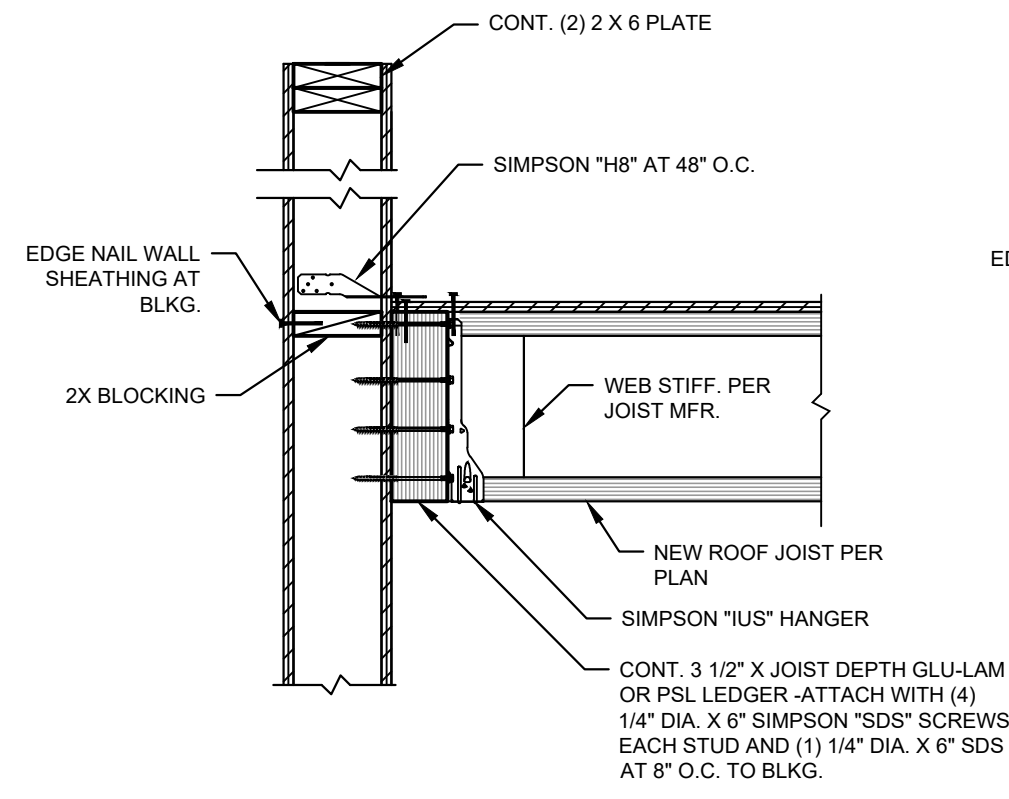


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REVISIONS:

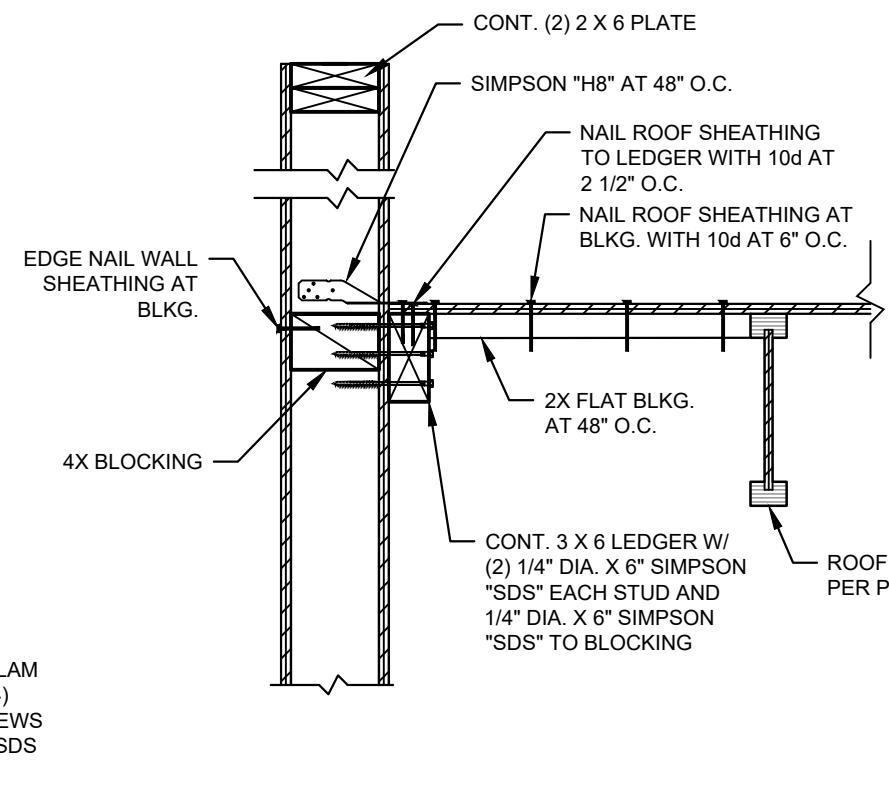
CONSTRUCTION DOCUMENTS

ROOF FRMG PLAN
- LEVEL 1

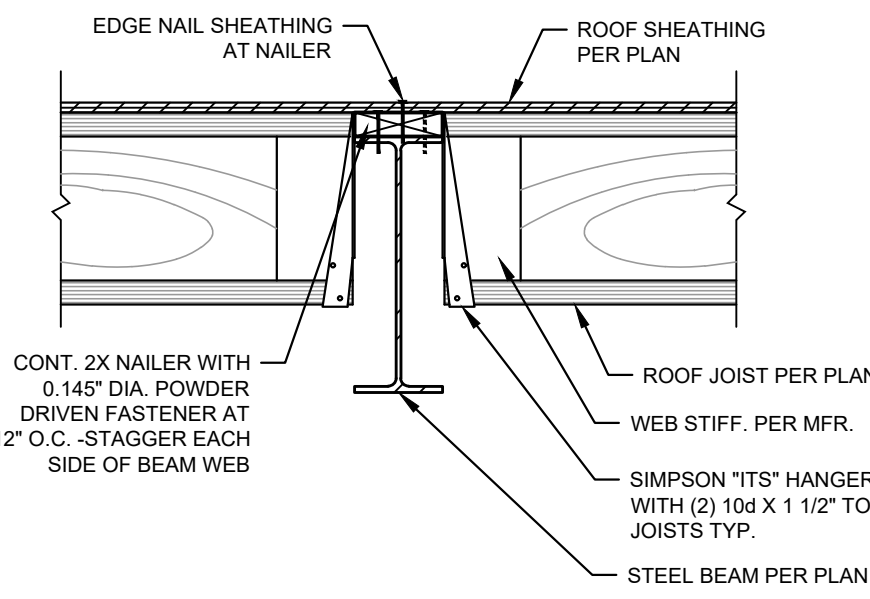
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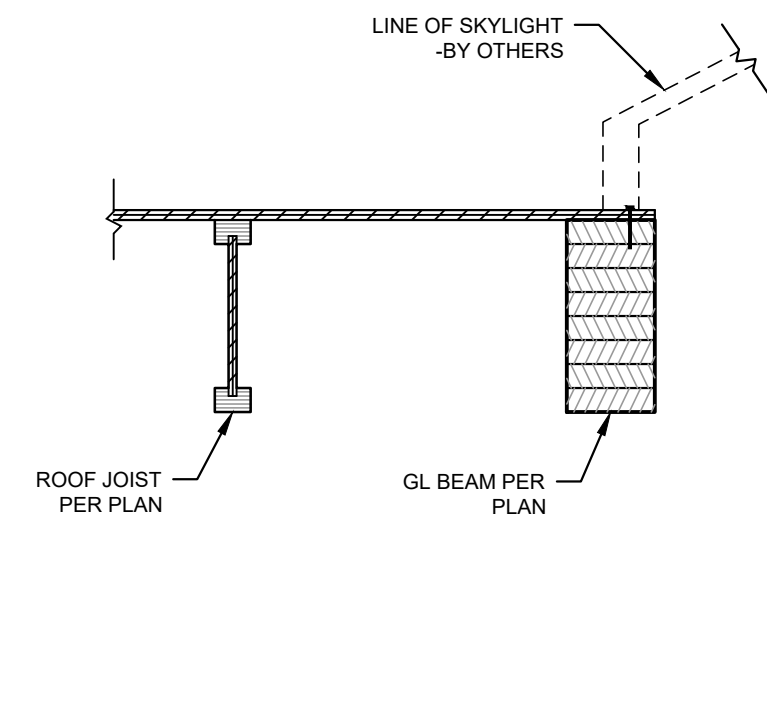
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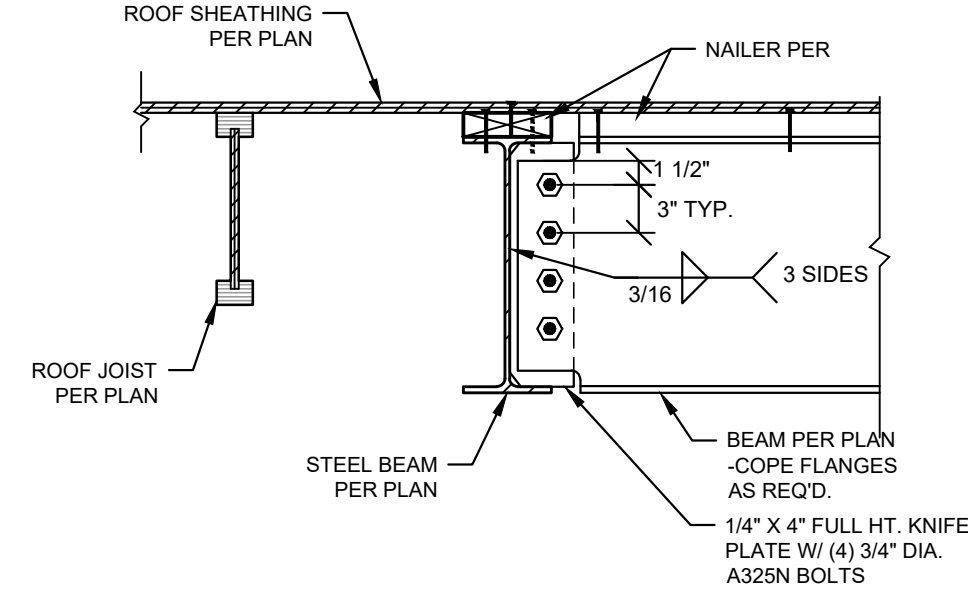
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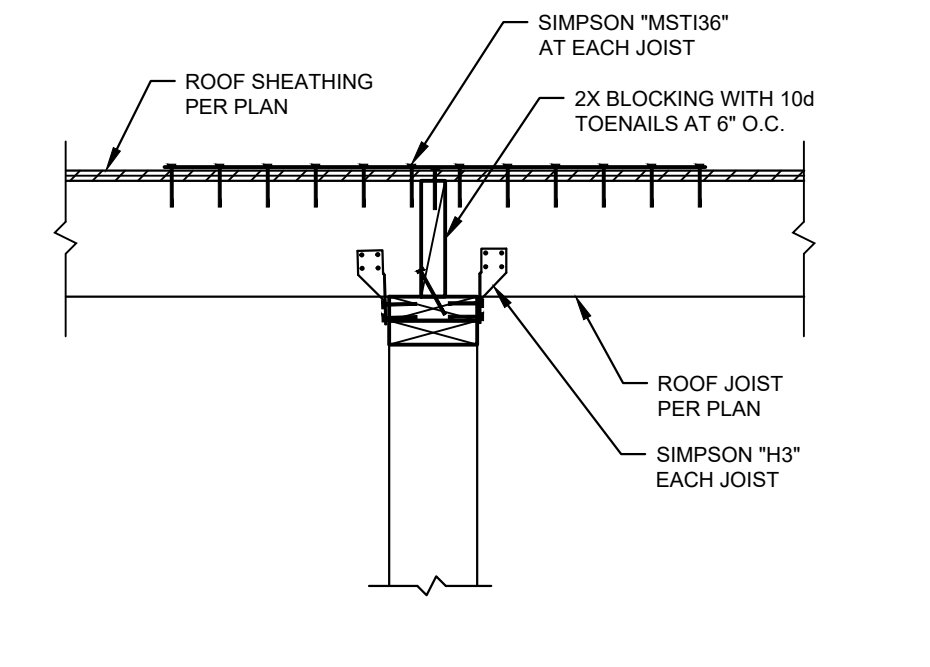
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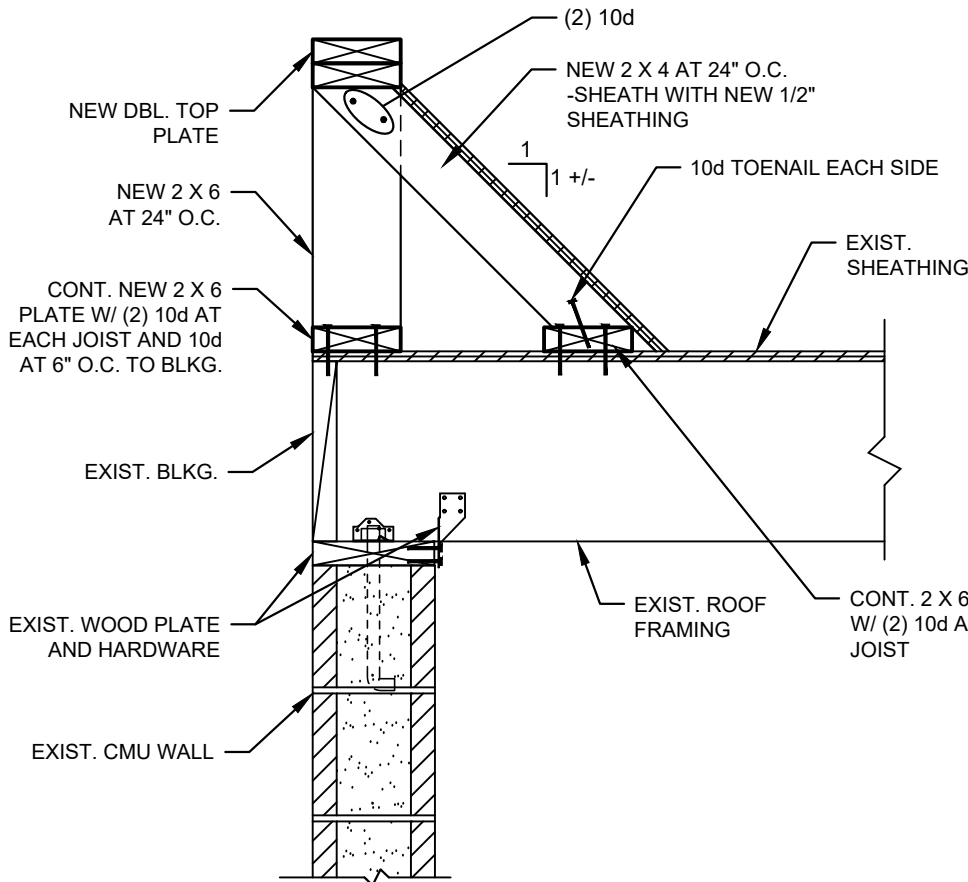
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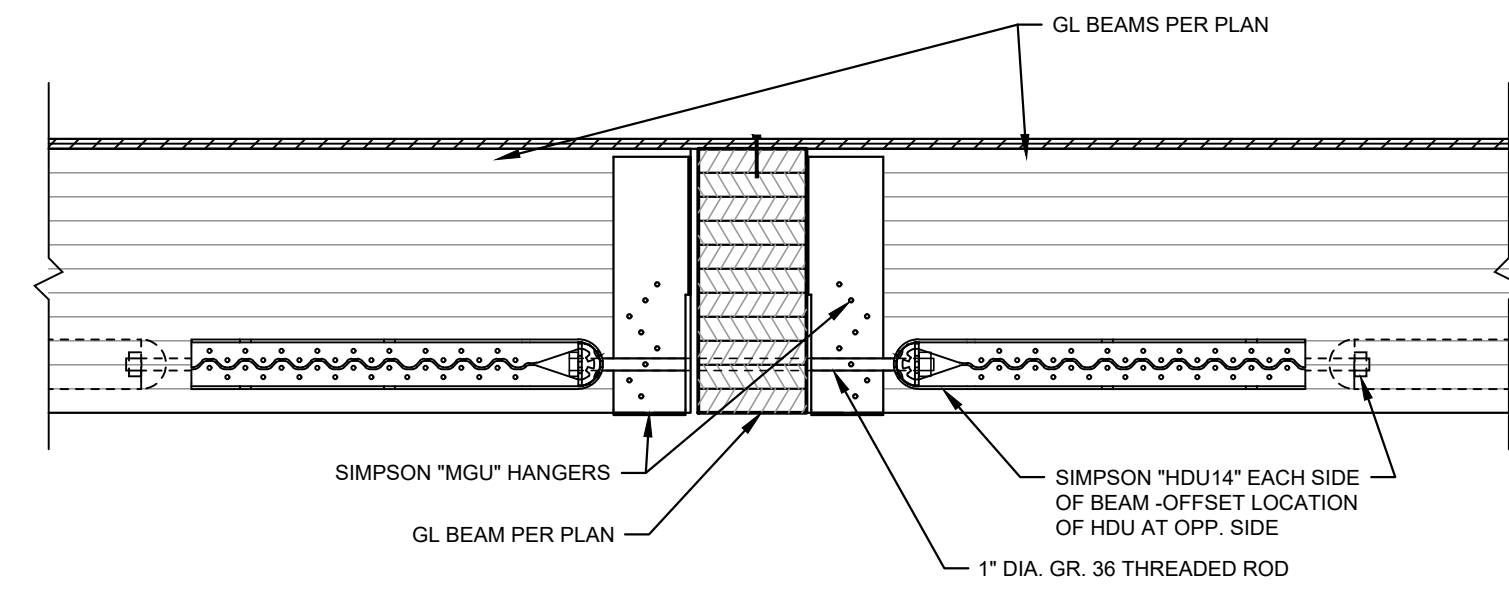
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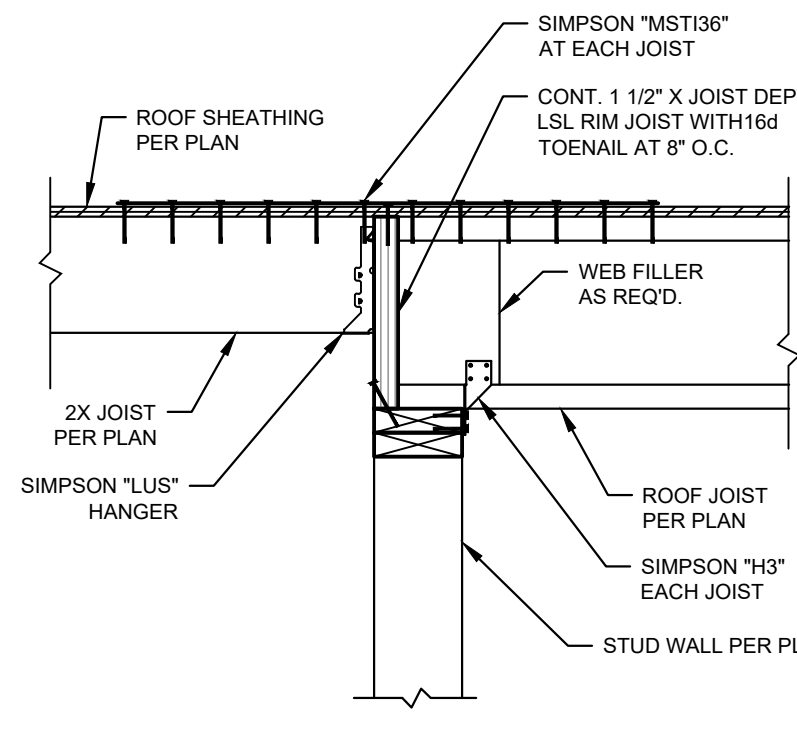
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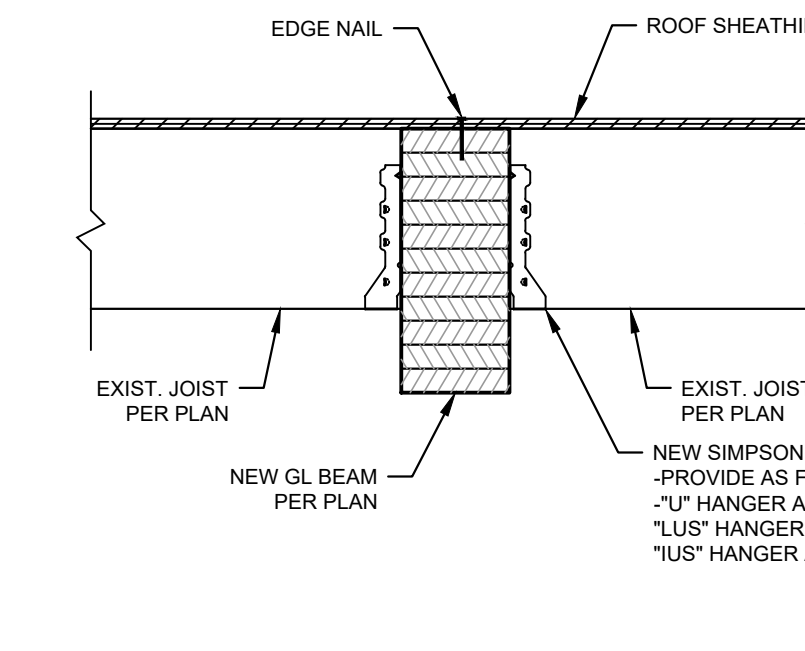
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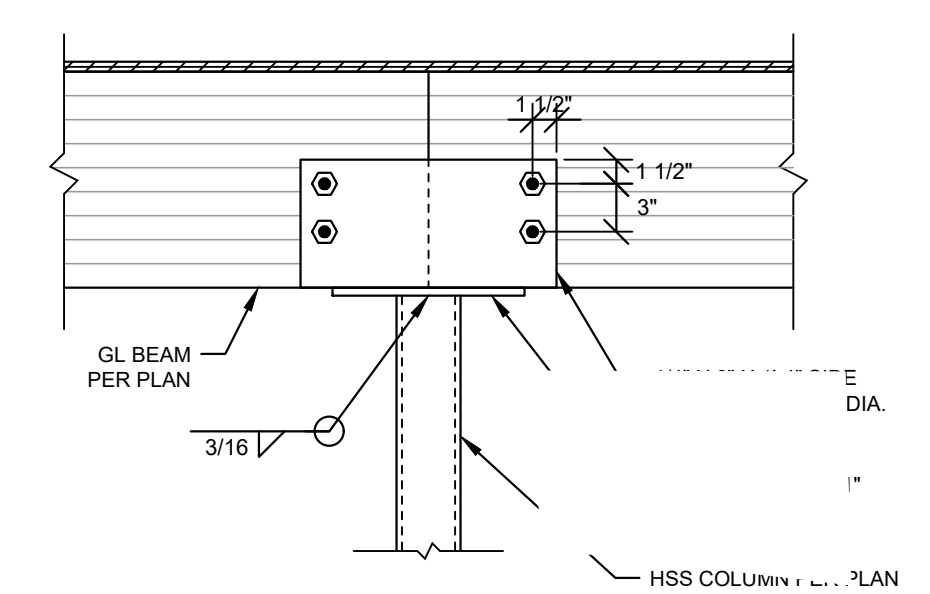
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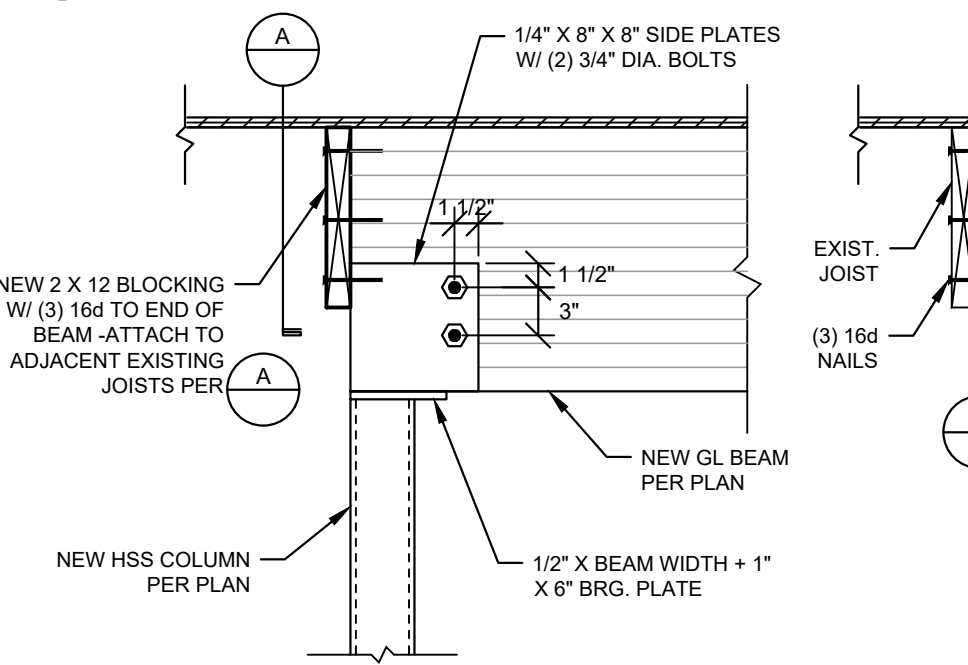
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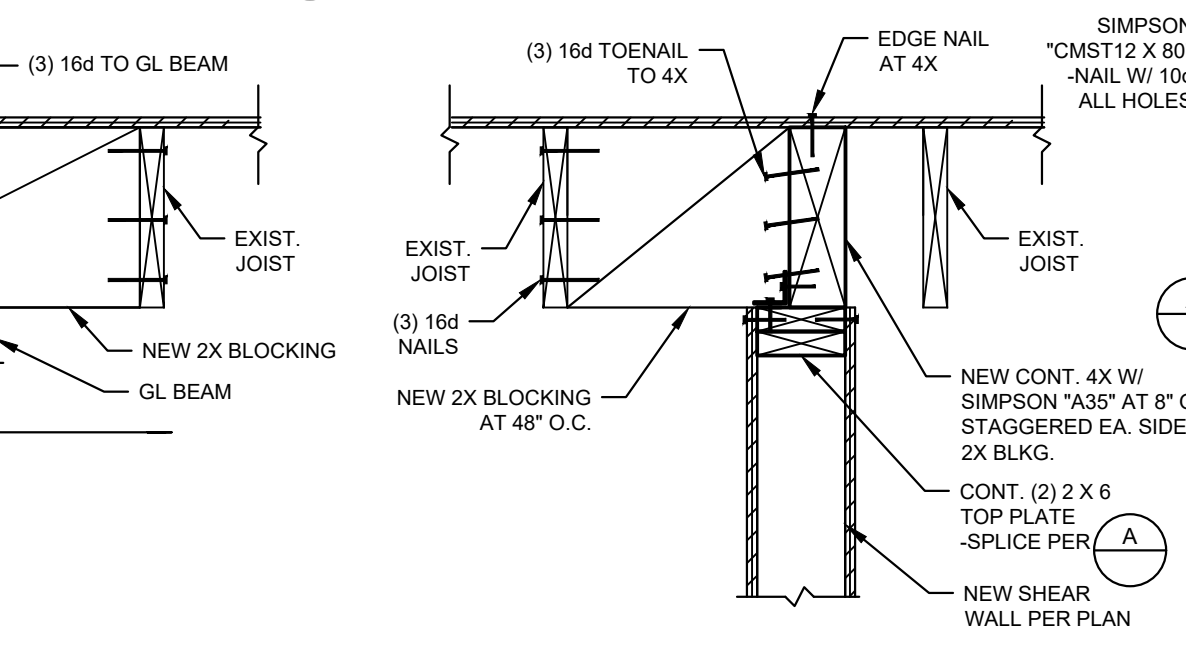
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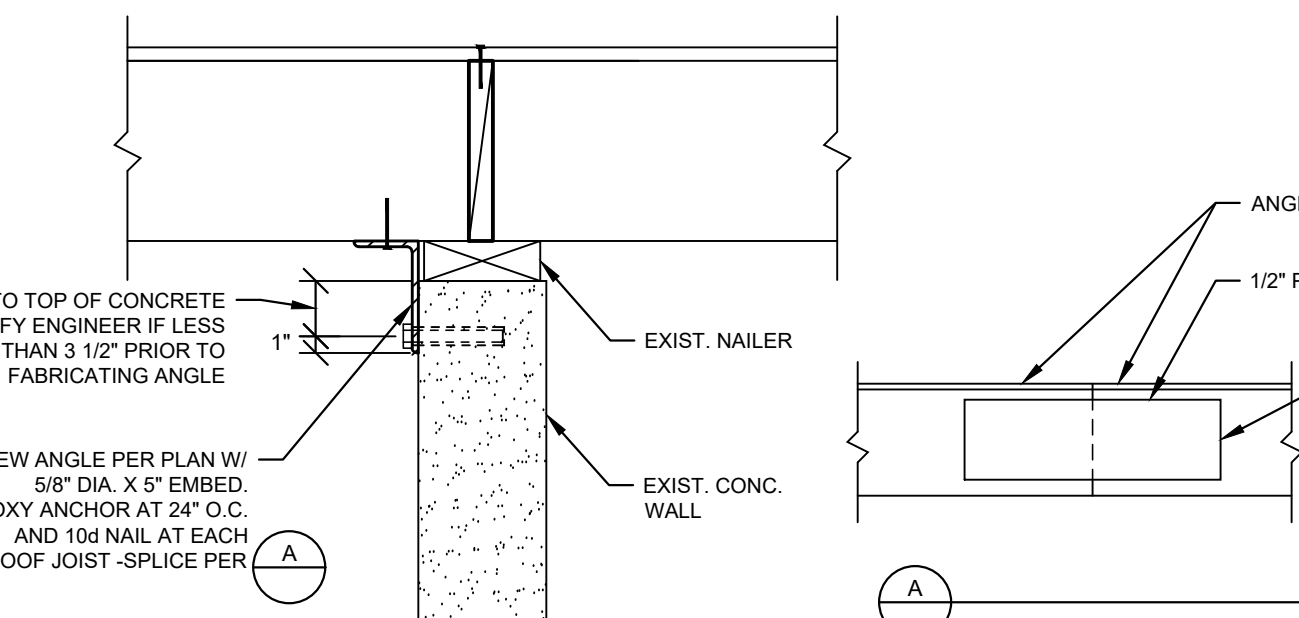
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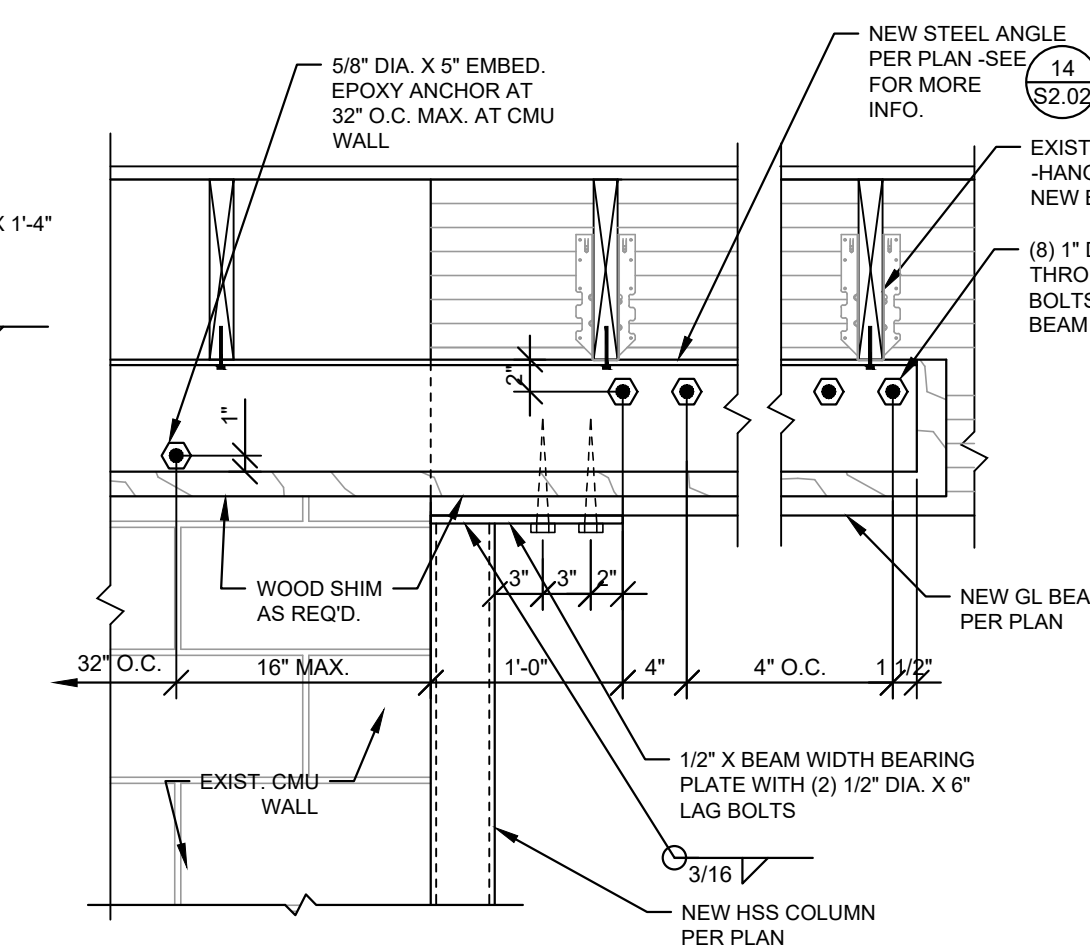
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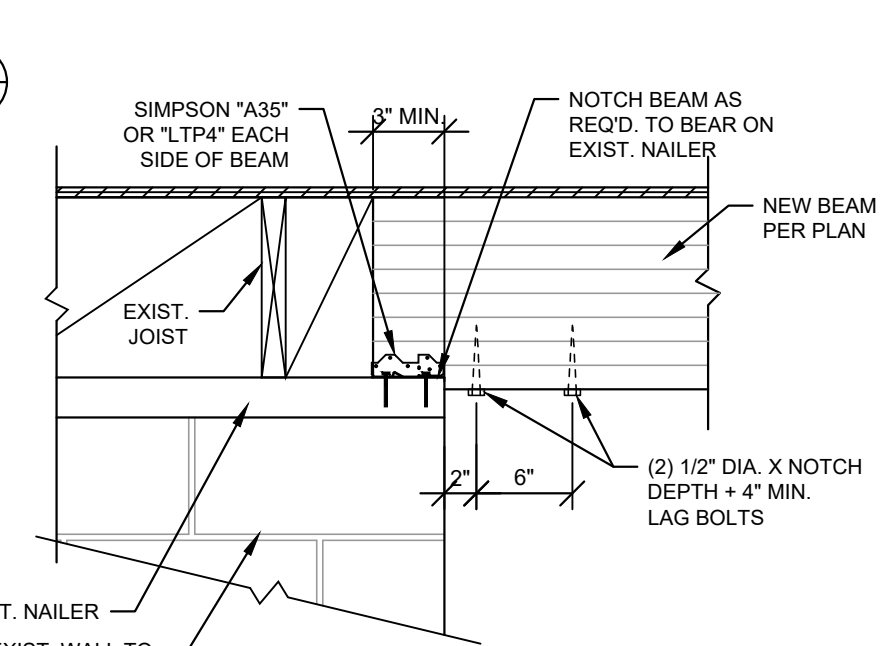
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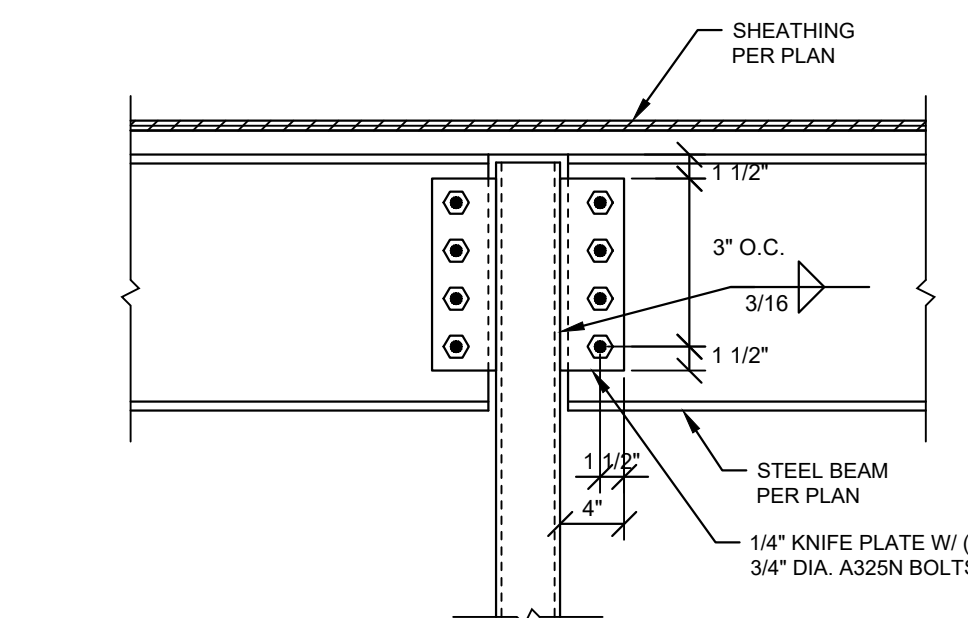
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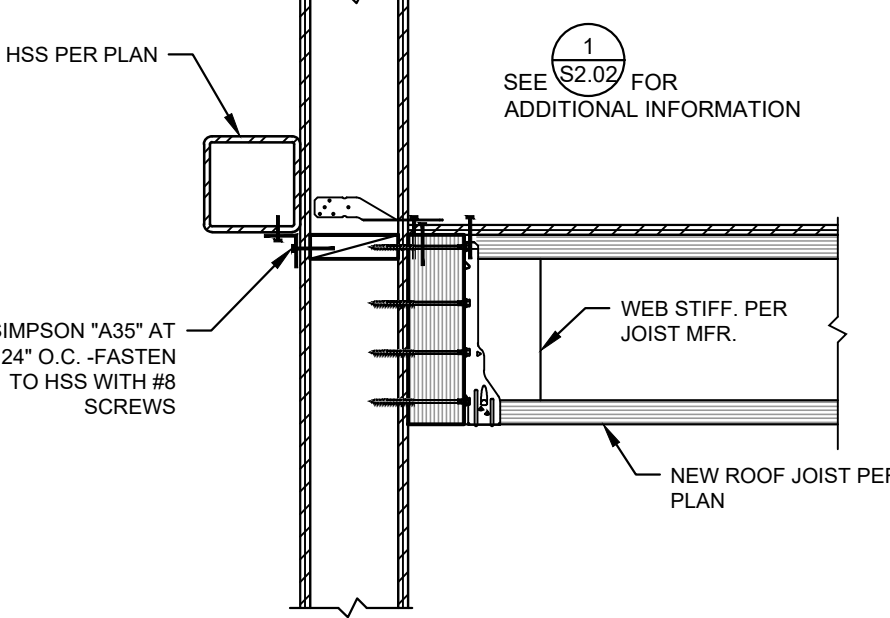
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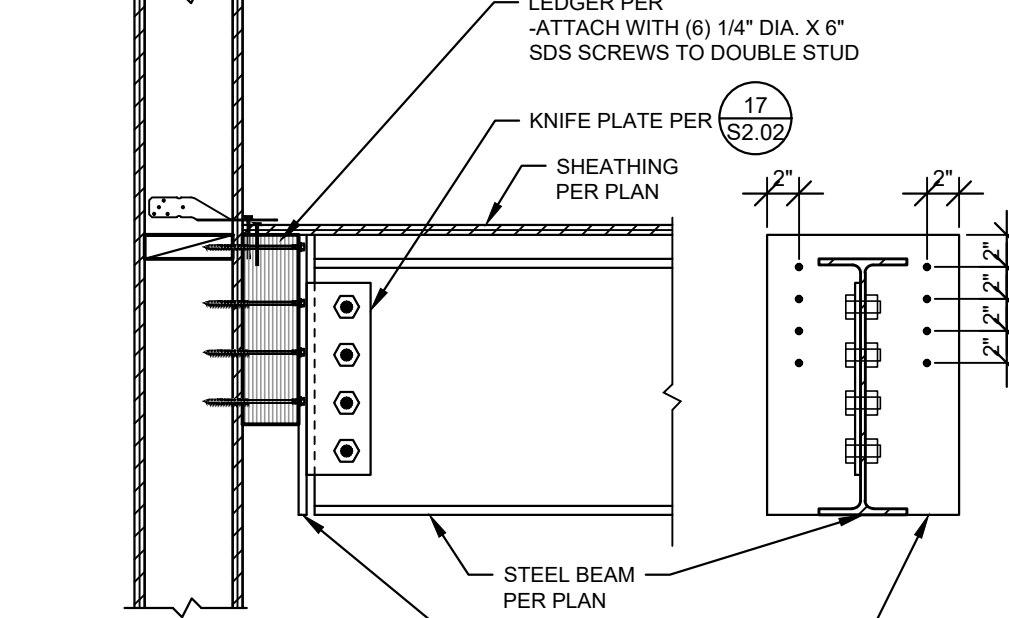
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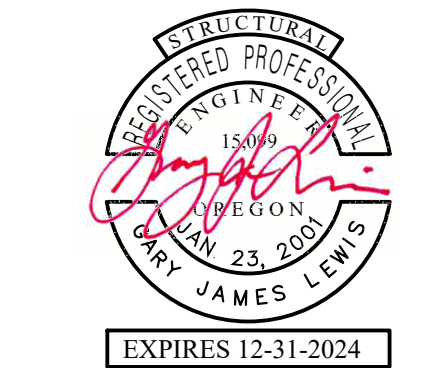
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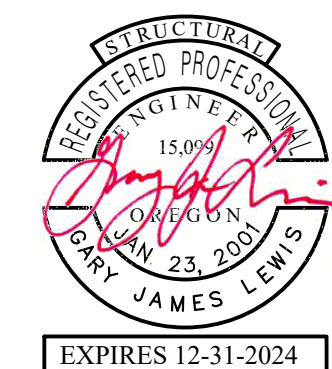
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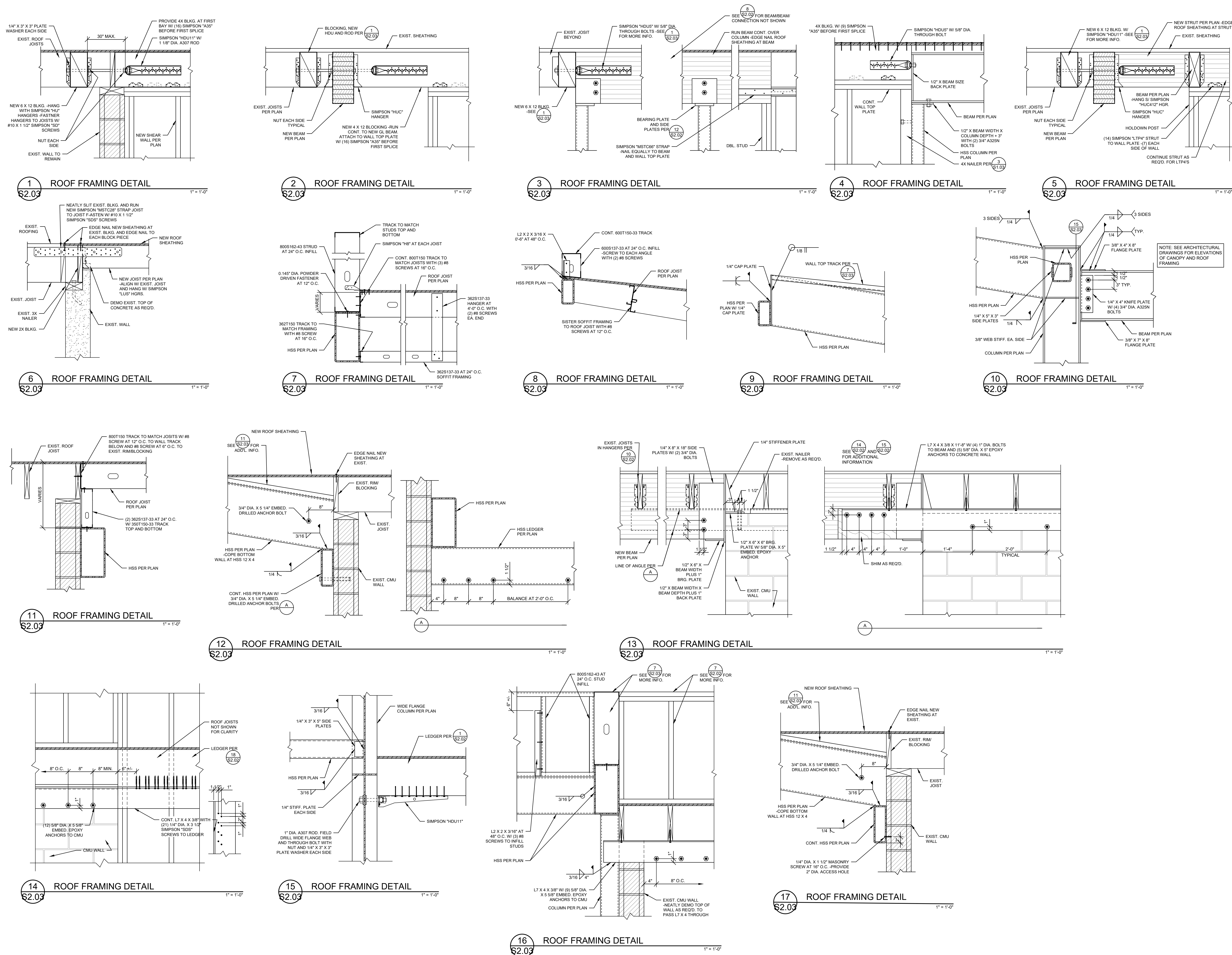
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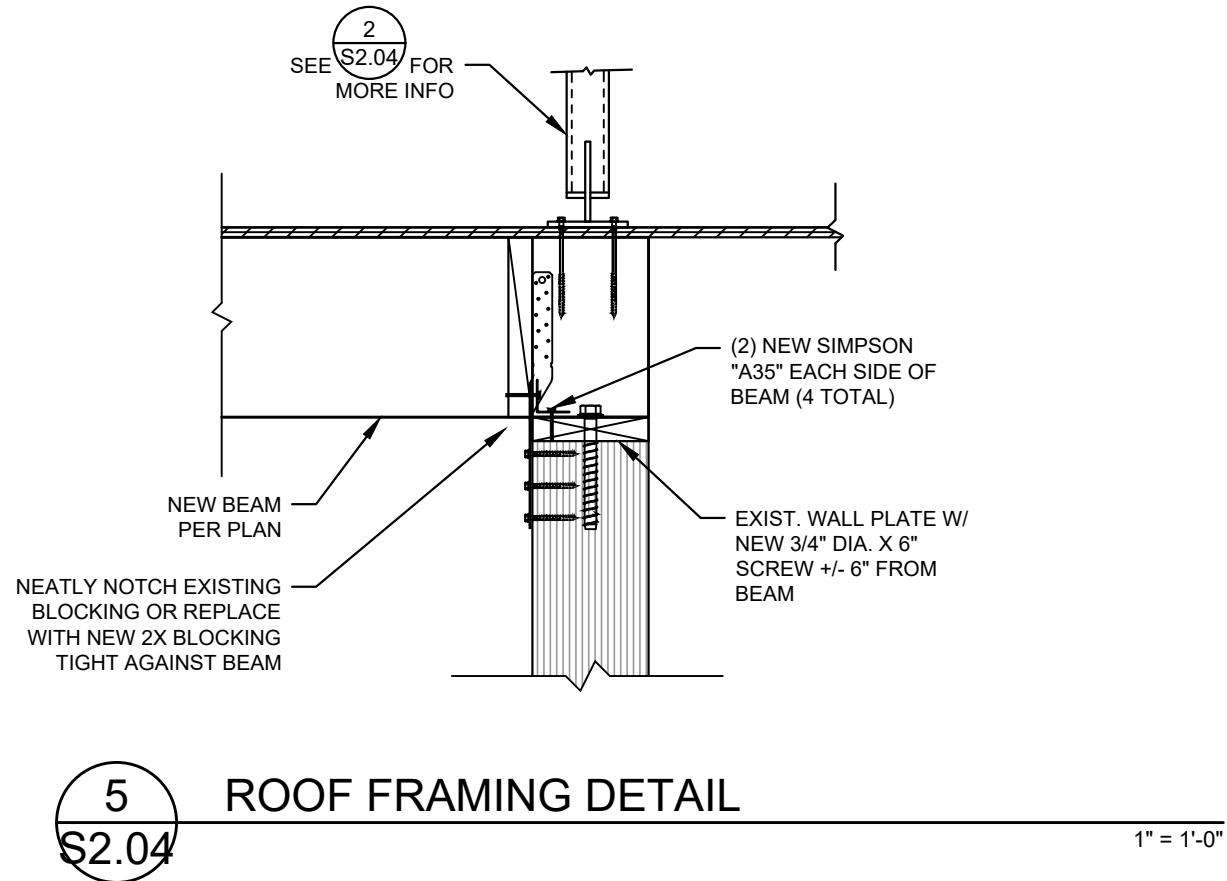
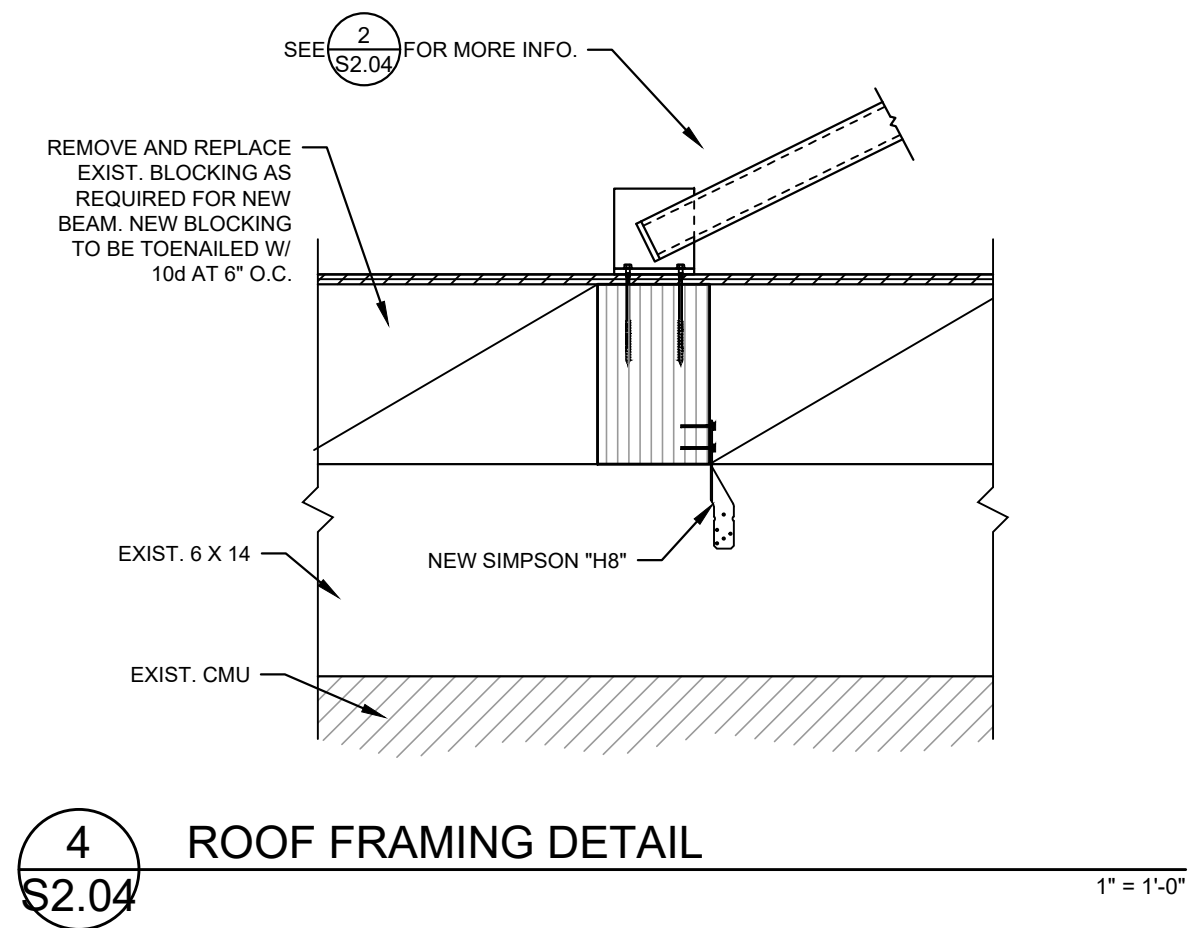
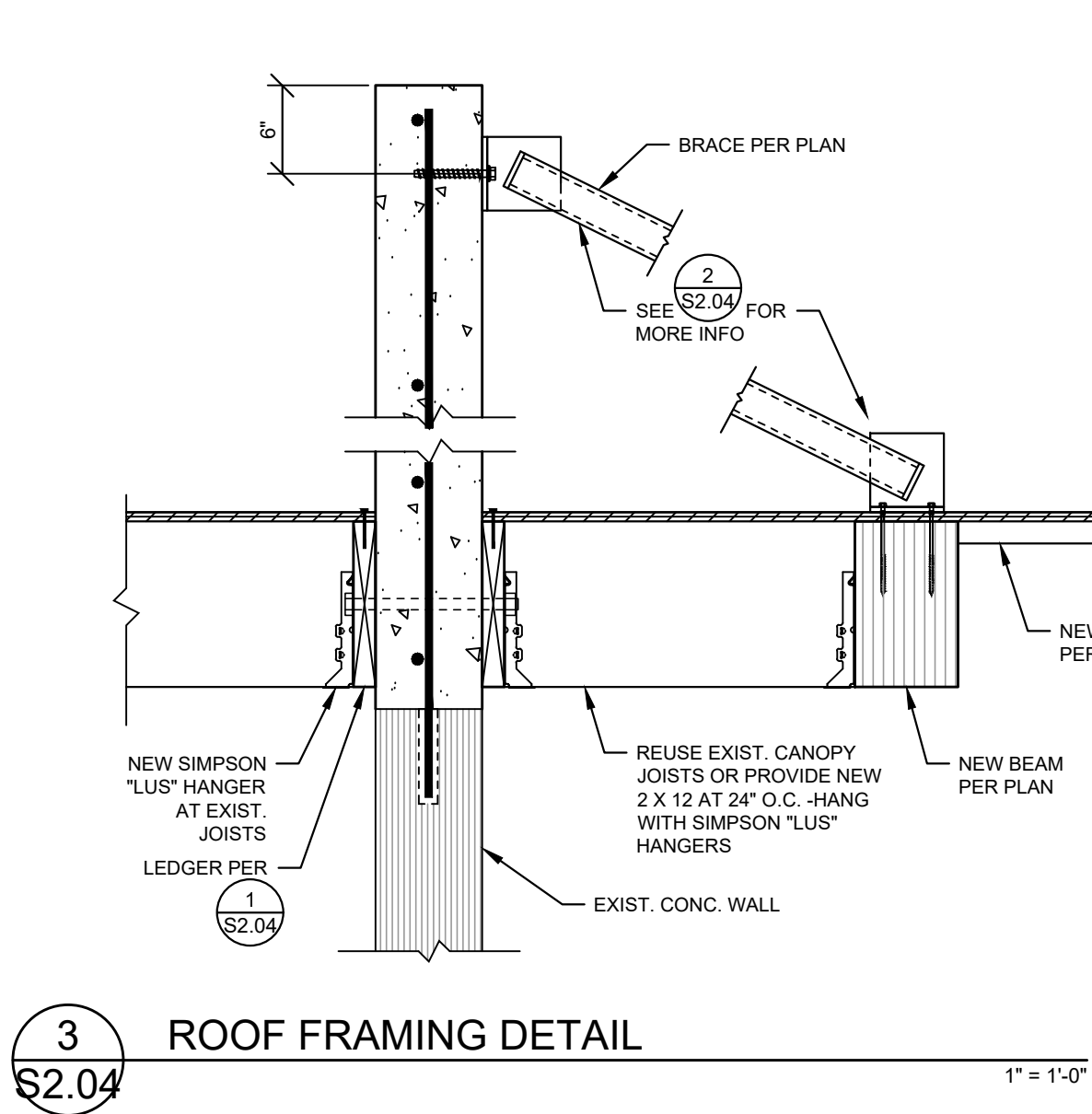
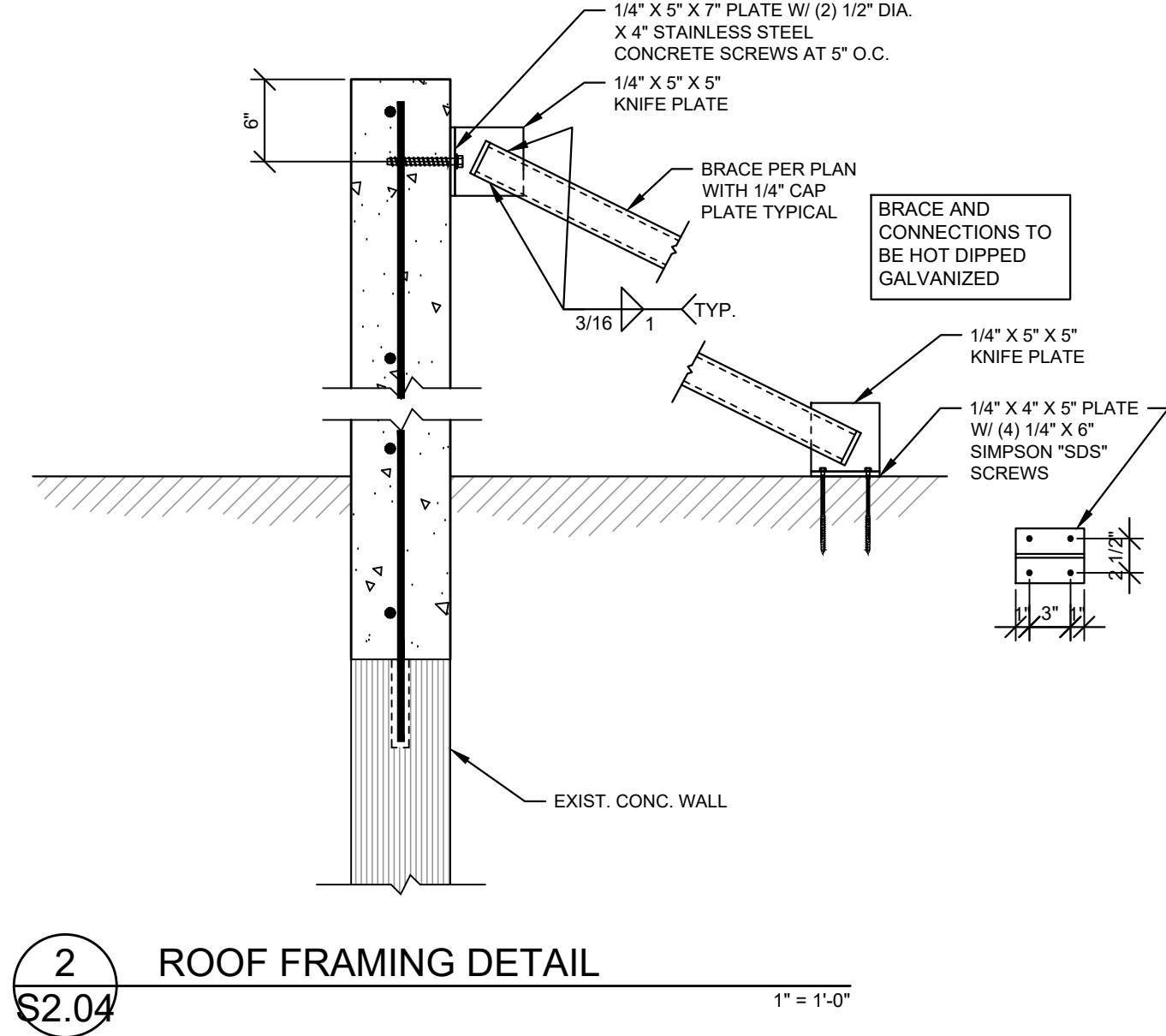
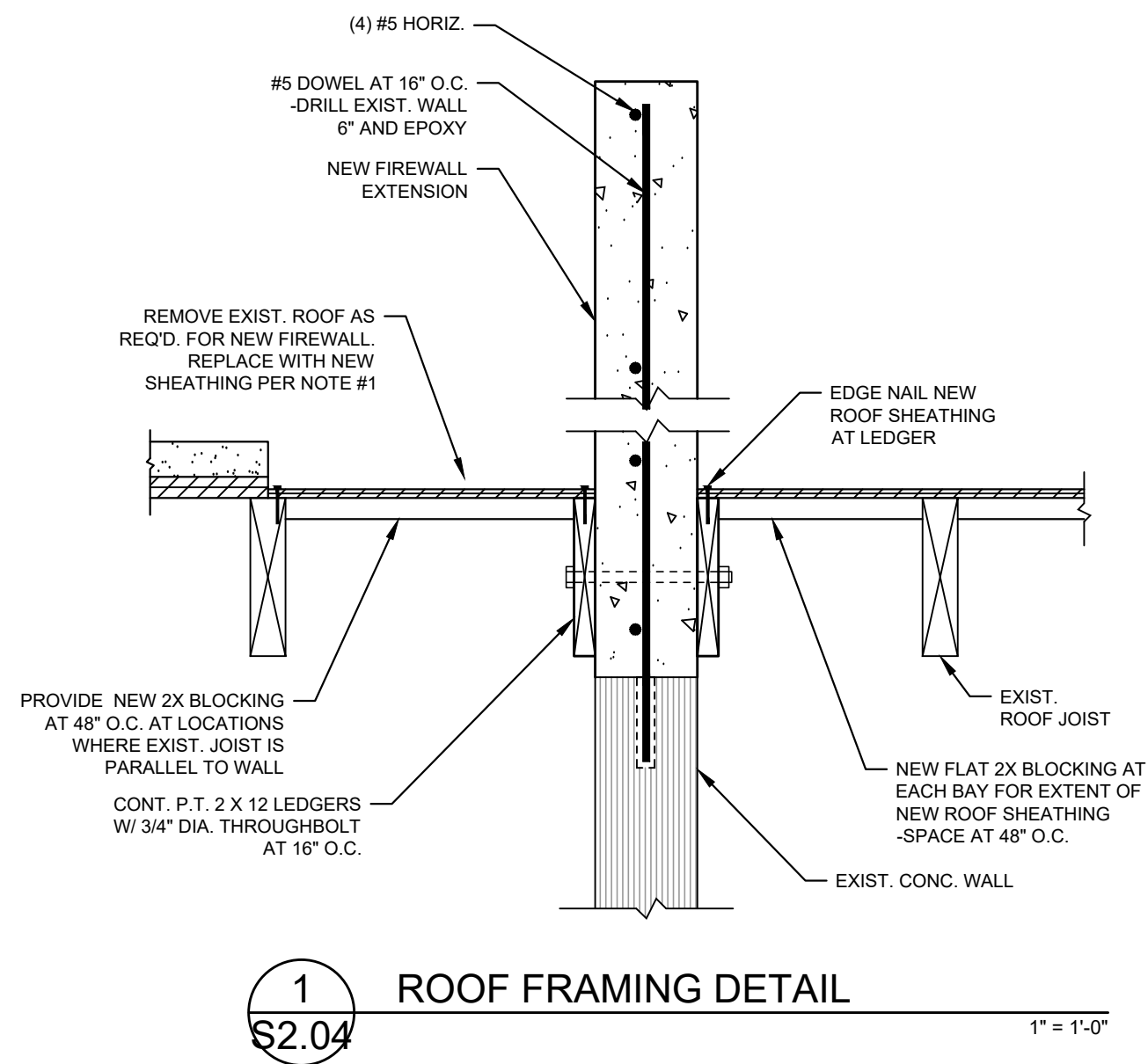
REVISIONS:

CONSTRUCTION DOCUMENTS

ROOF FRMG. DETAILS

S2.03





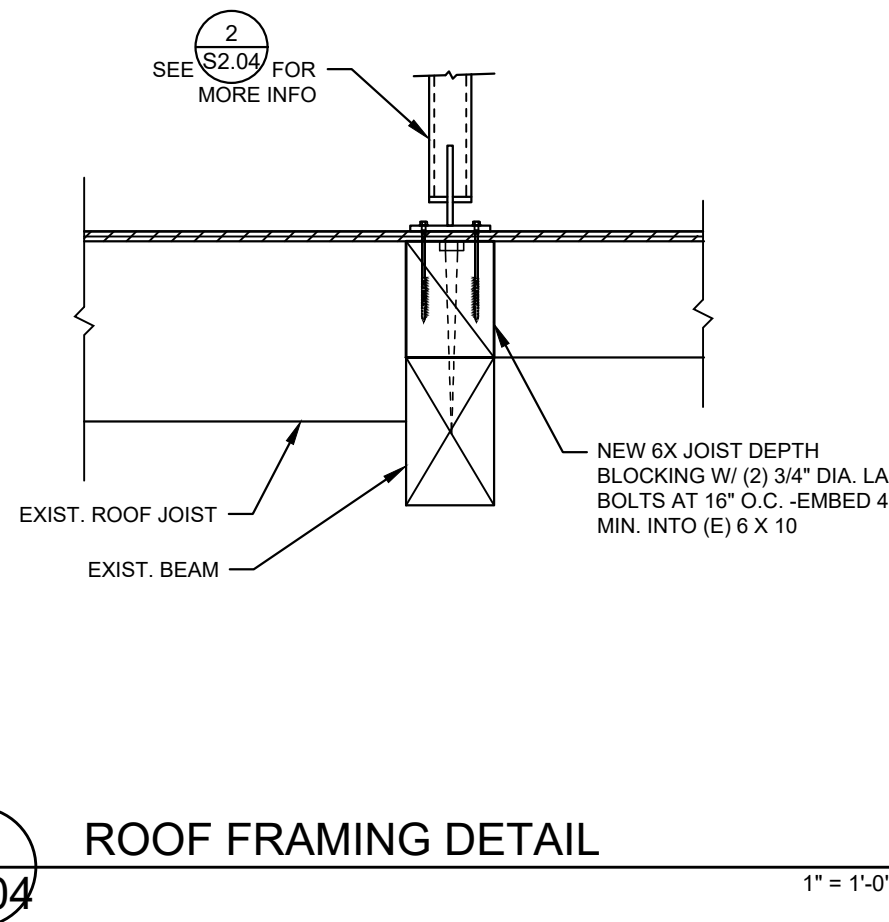
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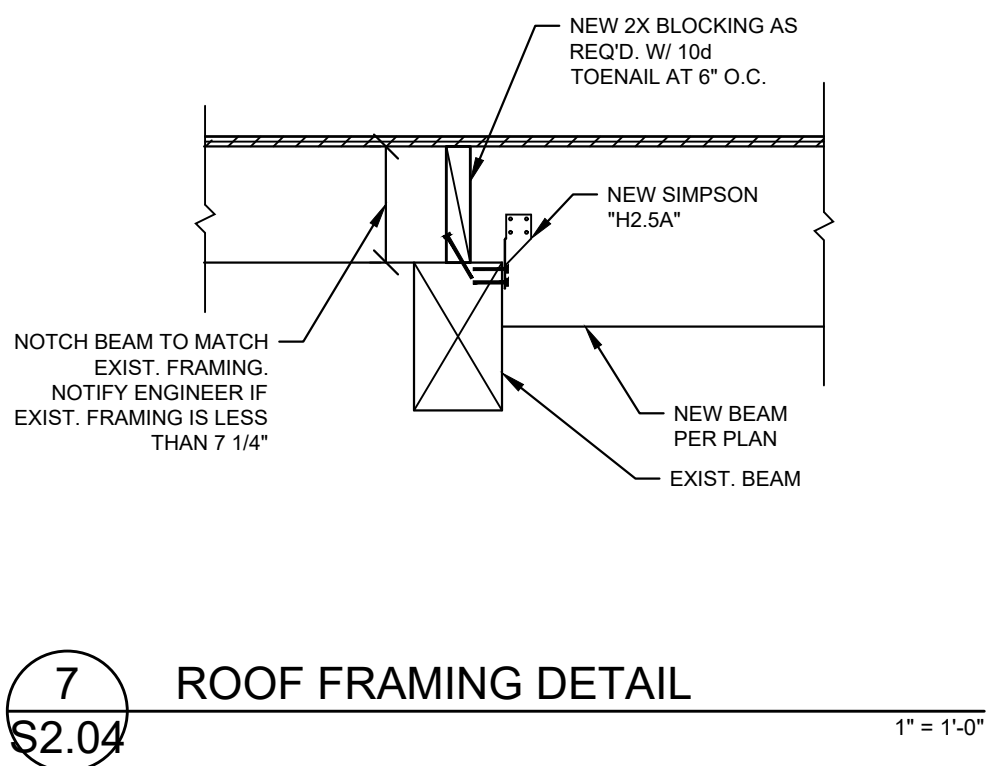
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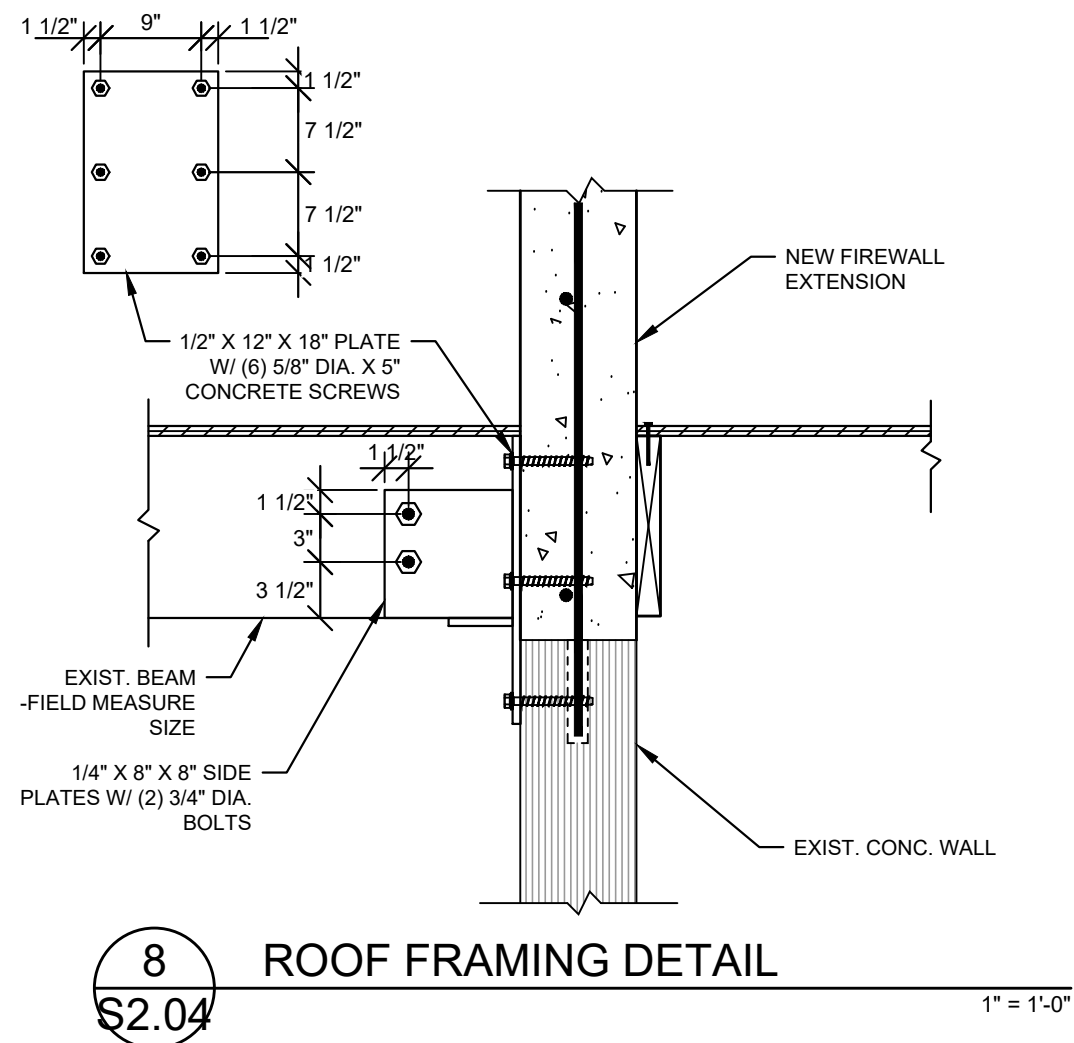
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6
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1" = 1'-0"



7
S2.04
ROOF FRAMING DETAIL
1" = 1'-0"



8
S2.04
ROOF FRAMING DETAIL
1" = 1'-0"

THIS SHEET HAS BEEN
ADDED AS PART OF
REVISION 5 02/02/2024

GENERAL NOTES

1. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY LOCAL AUTHORITIES HAVING JURISDICTION.
- OREGON STRUCTURAL SPECIALTY CODE (OSSC)
OREGON MECHANICAL SPECIALTY CODE (OMSC)
OREGON PLUMBING SPECIALTY CODE (OPSC)
OREGON FIRE CODE (OFC)
OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE AND ADOPTED REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, LOCAL CODES AND ORDINANCES WHICH MAY BE IN EFFECT. ALL MECHANICAL MATERIALS, INSTALLATION PROCEDURES AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION. THE MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION. PAY ALL ROYALTIES OR FEES REQUIRED IN CONNECTION WITH THE USE OF PATENTED DEVICES AND SYSTEMS.
3. UPON CONTRACT AWARD, CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANY TO SCHEDULE UTILITY CONNECTIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL UTILITY WORK, SECURE ALL PERMITS AND INSPECTIONS.
4. ALL CONNECTIONS TO BUILDING SERVICES SHALL BE CAREFULLY COORDINATED WITH THE UTILITY COMPANY AND THE CONSTRUCTION MANAGER. SERVICE WORK OF THIS NATURE TO OCCUR DURING UNOCCUPIED BUILDING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL EXISTING EQUIPMENT IS OPERATIONAL AFTER ANY SHUTDOWN OCCURS.
5. ALL CONTRACT WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE WRITTEN SPECIFICATIONS FOR THIS PROJECT WHICH ARE CONSIDERED TO BE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL MAINTAIN AT THE JOB SITE AND REFER TO COPIES OF THE WRITTEN SPECIFICATIONS AS PART OF THESE DRAWINGS. REFER TO THE WRITTEN SPECIFICATIONS IN CONJUNCTION WITH THE PLANS FOR FULL PROJECT SCOPE. IN ALL CASES OF DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN AND WHERE IT IS UNCLEAR, SUCH CASES SHALL BE REFERRED TO THE ENGINEER FOR ADJUDICATION.
6. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND RELATED PLUMBING, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, INTERIOR DECOR AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER PRIOR TO BID SUBMISSION. DURING THE COURSE OF CONSTRUCTION COORDINATION AND ACTUAL CONSTRUCTION, THE MECHANICAL CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS AND TRADES ON THIS PROJECT TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED INSTALLATION.
7. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID FOR THE PROPOSED WORK. HE SHALL BE RESPONSIBLE TO VERIFY FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO SUBMISSION OF BIDS IN WRITING.
8. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS, LOCATE MECHANICAL DEVICES SUCH AS TEMPERATURE SENSORS, HUMIDISTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WAINSCOT, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).
9. COORDINATE WITH OTHER TRADES: A) REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT (VOLTAGE, PHASE, HZ, ETC.). B) PROVIDE ADEQUATE CLEARANCE FOR ACCESS TO MECHANICAL WORK FROM ELECTRICAL ITEMS. MAINTAIN MINIMUM ACCESS OF 5-INCHES ABOVE ELECTRICAL CABLE TRAYS AND 18-INCHES TO THE SIDE OF CABLE TRAYS.
10. DUCTING AND PIPING SHOWN ON DRAWINGS SHOW THE GENERAL RUN AND CONNECTIONS AND MAY OR MAY NOT IN ALL PARTS BE SHOWN IN ITS EXACT POSITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE DUCTING AND PIPING SUITABLE IN EVERY RESPECT FOR THE WORK PERFORMED. DUCTWORK AND PIPING SHALL BE INSTALLED SO THAT ACCESS, CLEARANCE, HEADROOM, AND PITCH ARE MAINTAINED. CONTRACTORS OF THE VARIOUS TRADES SHALL COORDINATE THE INSTALLATION. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CHASE AND SOFFIT LOCATIONS TO COORDINATE ALL EXPOSED DUCTWORK AND PIPE ROUTING.
11. THE COMMISSIONING SPECIFICATION, INCLUDING ALL FUNCTIONAL TEST PROCEDURES, SHALL BE PROVIDED AND ENFORCED BY THE CONTRACTOR.
12. PROVIDE SEISMIC RESTRAINT IN ACCORDANCE WITH IBC AND ASCE STANDARD 7. SUBMIT CALCULATIONS BY LICENSED STRUCTURAL ENGINEER. PRODUCTS MAY CONFORM TO SMACNA SEISMIC RESTRAINT GUIDELINES.
13. PROVIDE A SINGLE SUBMITTAL OF ALL MECHANICAL EQUIPMENT AS SPECIFIED. AS A MINIMUM, SUBMIT PRODUCT DATA FOR ALL EQUIPMENT AND FIXTURES LISTED IN ACCOMPANYING SCHEDULES FOR APPROVAL.
14. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
15. ARRANGEMENT OF SYSTEMS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC, AND INDICATES THE MINIMUM REQUIREMENTS FOR PLUMBING AND MECHANICAL WORKS. ADJUST BOX LOCATIONS BASED ON FIELD MEASUREMENTS, TO AVOID INSTALLATION ABOVE DESKS. SITE CONDITIONS SHALL DETERMINE THE ACTUAL ARRANGEMENT OF THE WORK. TAKE FIELD MEASUREMENTS BEFORE PREPARING SHOP DRAWINGS, OBTAIN APPROVAL OF SHOP DRAWINGS BEFORE BEGINNING WORK. BE RESPONSIBLE FOR ACCURACY OF ALL FIELD MEASUREMENTS AND LAYOUT. OVERHEAD PIPING AND DUCTWORK SHALL BE ARRANGED TO OBTAIN MAXIMUM HEAD ROOM. SHOP DRAWING SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD.
16. CLEAN AND PROTECT WORK FROM DAMAGE. RESTORE DAMAGED FINISHES. COVER ENDS OF PIPING AND DUCTWORK NOT ACTIVELY BEING WORKED ON. DO NOT USE ANY PART OF THE OWNER'S BUILDING AS A SHOP, EXCEPT PARTS DESIGNATED FOR SUCH PURPOSES BY THE OWNER.
17. CHANGES OR SUBSTITUTIONS OF EQUIPMENT WILL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER. ALL COSTS RESULTING FROM THE SELECTION OF OTHER THAN SPECIFIED EQUIPMENT SHALL BE BORNE BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO WORK AFFECTING OTHER CONTRACTORS, THE OWNER, OR RE-DESIGN ISSUES.
18. ALL INDICATED WORK SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE HIS SCHEDULING WITH THE OWNER AND GENERAL CONTRACTOR TO COMPLY WITH THE OWNER'S USAGE OF THE BUILDING.
19. ALL CONTRACTORS SHALL PROVIDE CUTTING AND PATCHING FOR THEIR RESPECTIVE TRADES. ALL CONTRACTORS REMOVING OR RELOCATING ANY EQUIPMENT, PIPES, DUCTS, CONDUITS, ETC. SHALL PATCH ALL SURFACES DISTURBED BY THIS WORK TO MATCH ADJACENT SURFACES.
20. CONTRACTOR IS RESPONSIBLE FOR THE PROPER CARE OF ALL OWNERS EQUIPMENT AND/OR FURNISHINGS WHICH ARE REQUIRED TO BE TEMPORARILY REMOVED, STORED, OR RELOCATED. CONTRACTOR SHALL REPLACE, REPAIR, OR REIMBURSE OWNER FOR ALL DAMAGES TO SUCH PROPERTIES AT FULL REPLACEMENT VALUE AND EQUIVALENCY. CONTRACTOR SHALL ADVISE OWNER FOR DISPOSITION OF REMOVED EQUIPMENT AND/OR MATERIALS.
21. CONTRACTORS WORK MAY BE REQUIRED OUTSIDE OF THE DESIGNATED SPACE. ALL SYSTEMS BEING DEMOLISHED AND REMOVED, MODIFIED, AND/OR TERMINATED SHALL BE FIELD VERIFIED TO INSURE NO WORK PERFORMED, INSIDE OR OUTSIDE, OF THE DESIGNATED SPACE SHALL DISRUPT ANY SERVICE OR SYSTEMS OF ANY OTHER AREAS. IF ANY CONDITIONS ARISE THAT ARE NOT IDENTIFIED ON THE DRAWINGS, IMMEDIATE NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER OR OWNER. NO WORK SHALL PROCEED WITHOUT APPROVALS FROM ENGINEER OR OWNER.
22. DO NOT CUT OR PENETRATE STRUCTURAL ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL.
23. THE MECHANICAL CONTRACTOR SHALL MOUNT THE DUCT SMOKE DETECTOR. THE ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE DUCT MOUNTED SMOKE DETECTOR. ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE AND WIRE A REMOTE MONITORING KEY OPERATED TEST AND ALARM STATION FOR EACH DUCT SMOKE DETECTOR. THE REMOTE TEST ALARM STATION SHALL BE MOUNTED AS DIRECTED IN THE AREA OF THE SMOKE DETECTOR.
24. THE MECHANICAL CONTRACTOR TO PROVIDE ALL ROOF CURBS, EQUIPMENT RAILS, SUPPORTS, ROOF PORTALS AND ASSOCIATED EQUIPMENT TO ENSURE A COMPLETE INSTALLATION FOR NEW HVAC EQUIPMENT. MECHANICAL CONTRACTOR RESPONSIBLE TO PROVIDE EXACT LOCATIONS AND REVIEWED AND RELEASED EQUIPMENT SUBMITTALS OF ROOF CURBS, EQUIPMENT SUPPORTS, ROOF PORTALS, AND ASSOCIATED EQUIPMENT TO THE ARCHITECT. ALL ROOF PENETRATIONS, EQUIPMENT SUPPORTS, ROOF PORTALS AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY ROOFING SUB-CONTRACTOR. ROOFING CONTRACTOR SHALL BE BONDED AND ALL WORK SHALL BE DONE SO AS NOT TO VOID ROOF WARRANTY. ROOFING CONTRACTOR SHALL PROVIDE BASE FLASHING, AND PROVIDE TEMPORARY WEATHER-PROOF COVERS UNTIL MECHANICAL CONTRACTOR INSTALLS NEW HVAC UNITS. MECHANICAL CONTRACTOR TO PROVIDE COUNTER FLASHING.
25. FURNISH TO ELECTRICAL CONTRACTOR ALL MOTOR STARTERS AND CONTROL DEVICES FOR MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE STARTER AND CONTROL EQUIPMENT FOR ALL MOTORS.
26. ALL HVAC EQUIPMENT CONTAINING COOLING (EVAPORATOR) COILS INCLUDING DOWN FLOW ROOF TOP UNITS SHALL HAVE CONDENSATE MONITORING FOR OVERFLOW PROTECTION FOR PRIMARY OR SECONDARY DRAIN PANS AS APPLICABLE. SUCH DEVICES SHALL BE LABELED TO COMPLY WITH UL468B AND SHALL SHUT DOWN COOLING SYSTEM AND SIGNAL BMS SYSTEM IF APPLICABLE.
27. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT IN LOCATIONS WHICH ARE THE MOST INCONSPICUOUS. VERTICAL DROPS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND THEIR FINAL LOCATIONS SHALL BE COORDINATED AND RUN WITHIN CHASES, WALLS, OR SOFFITS WITH OTHER PLUMBING AND ELECTRICAL FEEDS. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CHASE AND SOFFIT LOCATIONS TO COORDINATE ALL EXPOSED PIPING ROUTING. ALL SUCH LOCATIONS SHALL BE REVIEWED WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

28. ALL PENETRATIONS THRU FIRE RATED WALLS, FLOORS, AND CEILINGS SHALL BE SEALED WITH A UL APPROVED FIRESTOP MATERIAL SUITABLE FOR CONSTRUCTION MATERIAL TO MAINTAIN FIRE, SMOKE AND DRAFT INTEGRITY OF STRUCTURE. FIRE RESISTANT SEALER SHALL BE TESTED IN ACCORDANCE WITH ASTM E-1136. INSTALL SEALANT, INCLUDING FOAMING, PACKING AND OTHER ACCESSORY MATERIALS TO FILL OPENINGS WHERE FIRE RATED PENETRATIONS OCCUR. COMPLY WITH INSTALLATION REQUIREMENTS ESTABLISHED BY TESTERS AND INSPECTION AGENCY.
29. FURNISH AND INSTALL PIPE SLEEVES PASSING THROUGH EXTERIOR WALLS. SLEEVES SHALL BE STEEL PIPE: ASTM A53, TYPE E, GRADE A, SCHEDULE 40; GALVANIZED PLAIN ENDS, 2" LONGER THAN WALL WIDTH.
30. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, DISPOSAL, AND ASSOCIATED COSTS OF ALL REFRIGERANT WASTES. ALL DURING THIS CONTRACT IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES AND/OR REGULATIONS.
31. THERMOSTATS SHALL BE MOUNTED AT 48" AFF TO MEET ADA REQUIREMENTS. PROVIDE TAMPER PROOF COVERS IN PUBLIC AREAS AND WIRE GUARDS IN GYMNASIUMS.
32. ALL DUCTWORK SHALL BE CONNECTED TO MOTORIZED EQUIPMENT WITH FLEXIBLE DUCT CONNECTORS.
33. ALL DUCTWORK SIZES SHOWN ON DRAWINGS ARE CLEAR INTERNAL DIMENSIONS.
34. INSTRUCT OWNER IN PROPER OPERATION OF SYSTEMS.
35. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY HAVE TO BE ADAPTED TO COMPLY WITH BUILDING CONDITIONS. CONTRACTOR SHALL SUBMIT HVAC SHOP DRAWINGS, INDICATING LOCATIONS, AND BOLTING OF ALL DUCTS, PIPING, WIRING AND ASSOCIATED ACCESSORIES. MAKE OFFSETS WITH FITTINGS WITH AS SMALL ANGLE OF OFFSET AS POSSIBLE. DUCTWORK & PIPING SHALL BE ROUTED TO AVOID ALL STRUCTURAL SUPPORTS, AND COORDINATE ALL WORK WITH WORK OF OTHER TRADES.
36. ALL MECHANICAL EQUIPMENT AND APPLIANCES SHALL BEAR THE LABEL OF AN APPROVING AGENCY. LISTING AND LABELING AGENCY QUALIFICATIONS: A "NATIONALLY RECOGNIZED TESTING LABORATORY" AS DEFINED IN THE INTERNATIONAL MECHANICAL CODE.
37. THE MECHANICAL CONTRACTOR SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" DRAWINGS INDICATING THE PRECISE LOCATION OF ALL SYSTEMS, EQUIPMENT, DUCTWORK, PIPING AND ACCESS DOORS. THESE PLANS SHALL ALSO INCLUDE ALL CHANGES AND DEVIATIONS FROM BID DOCUMENTS.

SHEETMETAL NOTES

1. PERFORM ALL SHEETMETAL WORK IN ACCORDANCE WITH CURRENT SMACNA STANDARDS.
2. CONSTRUCT DUCTS WITH G-60 OR BETTER GALVANIZED STEEL (ASTM 527) LFCO, CHEM TREAT IN GENERAL.
3. CONSTRUCT RECTANGULAR DUCTWORK TO MEET ALL FUNCTIONAL CRITERIA DEFINED IN CHAPTER 11, OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. PROVIDE DIAGONAL CREASING OR BEADING ON ALL PANELS WIDER THAN 18-INCHES, AND PANELS LESS THAN 18 GAUGE. CONSTRUCT ROUND AND FLAT OVAL DUCTWORK IN ACCORDANCE WITH CHAPTER 3 OF SMACNA HDS.
4. DUCTMATE, METZ, OR W.D.C.I. DUCT CONNECTION SYSTEMS ARE ACCEPTABLE. DUCTS CONSTRUCTED USING THESE SYSTEMS WILL REFER TO THE MANUFACTURER'S GUIDELINES FOR SHEET GAGE, INTERMEDIATE REINFORCEMENT SIZE AND SPACING, AND JOINT REINFORCEMENTS.
5. PROVIDE COLLARS WHEREVER AN EXPOSED DUCT PASSES THROUGH A WALL, SLAB, OR CEILING-1-INCH WIDE, 18-GAUGE ANGLE WITH MITERED CORNERS & SEAL WITH FIBERGLASS AND MASTIC.
6. SPIN-IN FITTINGS SHALL BE CONICAL TYPE WITH VOLUME DAMPER, AND QUADRANT; FLEX MASTER ELGEN OR EQUIVALENT.
7. ELBOWS IN RECTANGULAR OR SQUARE DUCTWORK SHALL HAVE AN INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN, OTHERWISE USE SQUARE ELBOWS WITH TURNING VANES.
8. ELBOWS IN ROUND DUCTWORK SHALL HAVE THE INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN. USE SEGMENTED, STANDING SEAM, PLEATED, OR STAMPED ELBOWS. ADJUSTABLE ELBOWS ARE ALLOWED IF RADIUS CONFORMS TO ABOVE.
9. SQUARE CORNER INSERTS (TURNING VANES) SHALL BE SMACNA FIG. 4.3 DOUBLE THICKNESS, RUNNER TYPE 2 WITH 2-1/8-INCH SPACING.
10. VOLUME DAMPERS ARE NOT SHOWN GENERALLY. INCLUDE A DAMPER IN THE DUCT TO EACH SUPPLY, EXHAUST, OR RETURN OPENING; ALSO IN EACH BRANCH DUCT WHERE THREE OR MORE OPENINGS ARE ASSOCIATED WITH THE BRANCH. LOCATE DAMPERS AT A POINT WHERE THE DUCT IS ACCESSIBLE; AS FAR FROM THE OUTLET AS POSSIBLE.
11. THOROUGHLY CLEAN ALL DEBRIS FROM THE INSIDE OF ALL DUCTWORK AND PLENUMS. BLOW FREE ALL SMALL PARTICLES OF RUBBISH AND DUST.
12. MECHANICAL DRAWINGS SHOW APPROXIMATE LOCATIONS FOR GRILLES AND DIFFUSERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS. AFTER SHOP DRAWINGS ARE COMPLETED VERIFY EXACT LOCATION OF GRILLES AND DIFFUSERS IN THE FIELD. ENSURE THAT DIFFUSER AND GRILLE FRAMES MATCH CEILING TYPES AND FINISH PRIOR TO ORDERING.
13. CONNECT FLEXIBLE DUCTS TO METAL DUCTS WITH A SLIP JOINT MADE USING FIRE RESISTANT MASTIC AND CLAMP. IDEAL "SNAP-LOCK" OR VENT-LOCK "SURETIGHT NO. 670" AT EACH END. SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DO NOT INSTALL OFFSETS. MAXIMUM LENGTH 5-FEET. LOW PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERMAFLEX MIK-E. HIGH PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERMAFLEX MIK-C.
14. GREASE EXHAUST TO BE 3/4 INCH W.G. PRESSURE CLASS, 18 GAUGE STAINLESS STEEL WITH LIQUID TIGHT CONSTRUCTION WITH CONTINUOUS EXTERNAL WELD FOR ALL SEAMS AND JOINTS. PROVIDE ALL ACCESS DOORS AS REQUIRED BY CODE.
15. FUME HOOD EXHAUST TO BE 1/4 INCH W.G. PRESSURE CLASS, 18 GAUGE STAINLESS STEEL CONSTRUCTION WITH CONTINUOUS EXTERNAL WELD FOR ALL SEAMS AND JOINTS.

ENERGY CODE MECHANICAL NOTES

1. HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTARY HEAT OPERATION WHEN THE HEAT PUMP CAN MEET THE HEATING LOAD.
2. WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS PROVIDE A TEMPERATURE RANGE OR DEADBAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS CAPABLE OF BEING SHUT OFF OR REDUCED TO A MINIMUM.
3. EACH HVAC SYSTEM HAS CONTROLS THAT VARY THE START-UP TIME OF THE SYSTEM TO JUST MEET THE TEMPERATURE SET POINT AT TIME OF OCCUPANCY.
4. EACH ZONE IS PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM.
5. BOTH OUTDOOR AIR SUPPLY AND EXHAUST ARE EQUIPPED WITH NOT LESS THAN CLASS 1 MOTORIZED DAMPERS.
6. WHERE A HUMIDITY CONTROL DEVICE EXISTS IT IS SET TO MAINTAIN A DEADBAND OF AT LEAST 10% RELATIVE HUMIDITY WHERE NO ACTIVE HUMIDIFICATION OR DEHUMIDIFICATION TAKES PLACE.
7. DEMAND CONTROLLED VENTILATION (DCV) IS INCLUDED FOR SPACES LARGER THAN 500 SF2 FOR SIMPLE SYSTEMS AND SPACES LARGER THAN 150 SF2 FOR MULTIPLE ZONE SYSTEMS.
8. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF LOW-PRESSURE SUPPLY AND RETURN DUCTS ARE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- EXCEPTIONS:
A. CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS ON DUCTS OPERATING AT STATIC PRESSURES LESS THAN 2 INCHES W.G. PRESSURE CLASSIFICATION.
9. AN OPERATING AND MAINTENANCE MANUAL WILL BE PROVIDED TO THE BUILDING OWNER BY THE MECHANICAL CONTRACTOR.

ABBREVIATIONS

A	AIR, AMP	IDE	INDIRECT DRAIN
ACU	AIR CONDITIONING UNIT	IE	INVERT ELEVATION
AF	ABOVE FINISHED FLOOR	IN	INTAKE HOOD
AHU	AIR HANDLING UNIT	INCH	
AL	ALUMINUM, ACOUSTICAL LINING	INIT	INITIAL
ARRGT	ARRANGEMENT	INT	INTERIOR
ATM	ATMOSPHERE	IPLV	INTEGRATED PART LOAD VALUE
BC	BLOWER COIL	KW	KILOWATT
BDD	BACKDRAFT DAMPER	KWH	KILOWATT HOURS
BFF	BELOW FINISHED FLOOR		
BFP	BACKFLOW PREVENTER	L	LENGTH
BHP	BRAKE HORSEPOWER	LAT	LEAVING AIR TEMPERATURE
BLDG	BUILDING	LB	POUND, LINEAR BAR
BOS	BOTTOM OF BEAM	LBS	POUNDS
BOD	BOTTOM OF DUCT	LD	LINEAR DIFFUSER
BOS	BOTTOM OF STEEL	LWT	LEAVING WATER TEMPERATURE
BTUH	BRITISH THERMAL UNITS PER HOUR		
		MAX	MAXIMUM
CAP	CAPACITY	MBH	THOUSAND BTU PER HOUR
CC	COOLING COIL	MCA	MINIMUM CIRCUIT AMPACITY
CD	CEILING DIFFUSER	MD	MANUAL DAMPER
CFM	CUBIC FEET PER MINUTE	MECH	MECHANICAL
CHR	CHILLED WATER RETURN	MFR	MANUFACTURER
CHS	CHILLED WATER SUPPLY	MN	MINIMUM
CI	CAST IRON	MOC	MAXIMUM OVER CURRENT PROTECTION
CLG	CEILING, COOLING	MOD	MOTOR OPERATED DAMPER
CONFL	CONFLUENCE OF WORK WITH WORK OF OTHER TRADES	MTR	MOTOR
CO	CLEANOUT		
CONC	CONCRETE	NC	NORMALLY CLOSED
CONT	CONTINUE, CONTROL	NEG	NEGATIVE
COMP	COMPRESSOR	NIC	NOT IN CONTRACT
CP	COEFFICIENT OF PERFORMANCE	NO	NUMBER, NORMALLY OPEN
CRU	CONDENSATE RETURN UNIT	NTS	NOT TO SCALE
CS	CONDENSING UNIT		
CU FT	CUBIC FEET	OA	OUTDOOR AIR
CV	CONSTANT VOLUME	OC	ON CENTER
CONVTR	CONVERTER	OD	OUTSIDE DIAMETER
CW	COLD WATER	OPNG	OPENING
CWR	CONDENSER WATER RETURN	ORD	OVERFLOW ROOF DRAIN
CWS	CONDENSER WATER SUPPLY	ORL	OVERFLOW RAIN LEADER
		P	PUMP, PLUMBING
dB	DECIBELS	PD	PRESSURE DROP
DB	DRY BULB	PH	PHASE
DCVA	DOUBLE CHECK VALVE ASSEMBLY	POC	POINT OF CONNECTION
DEG	DEGREE	POS	POSITIVE
DF	DRINKING FOUNTAIN	PR	PUMPED RETURN
DI	DI-IONIZED	PT	PRESSURE TEMPERATURE
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DMPR	DAMPER	QTY	QUANTITY
DN	DOWN		
DS	DOWNSPOUT	RA	RETURN AIR
		RD	ROOF DRAIN
E	EXISTING	REF	REFERENCE
EA	EXHAUST AIR	REQD	REQUIRED
EAT	ENTERING AIR TEMPERATURE	RF	RETURN FAN
EER	ENERGY EFFICIENCY RATING	RG	RETURN GRILLE
EF	EXHAUST FAN	RH	RELIEF HOOD, RELATIVE HUMIDITY
EFF	EFFICIENCY	RL	RAIN LEADER
EG	EXHAUST GRILLE	RSPB	REDUCED PRESSURE BACKFLOW PREVENTER
EL	ELEVATION	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT		
ESP	EXTERNAL, STATIC PRESSURE		
EWT	ENTERING WATER TEMPERATURE	S	SOIL
EXH	EXHAUST	SA	SUPPLY AIR
EX	ELECTRIC WATER COOLER	SD	STORM DRAIN, SMOKE DAMPER
EXIST	EXISTING	SENS	SENSIBLE
EXP	EXPANSION	SEER	SEASONAL ENERGY EFFICIENCY RATING
EXT	EXTERIOR, EXTERNAL	SF	SUPPLY FAN, SQUARE FEET
		SG	SUPPLY GRILLE
F	FAHRENHEIT, FIRE LINE	SL	SOUNDINGING
FD	FIRE DAMPER, FLOOR DRAIN	SP	STATIC PRESSURE
FDC	FIRE DEPARTMENT CONNECTION	SPR	SPRINKLER
FLA	FULL LOAD AMPS	SSP	STAINLESS STEEL, SANITARY SEWER
FLR	FLOOR	STP	STANDPIPE
FLTR	FILTER		
FM	FLOW METER	T	THERMOSTAT
FOB	FLAT ON BOTTOM	TEMP	TEMPERATURE
FO	FLAT OVAL	TG	TRANSFER GRILLE
FOT	FLAT ON TOP	TOD	TOP OF DUCT
FPM	FEET PER MINUTE	TOT	TOTAL
FPS	FEET PER SECOND	TP	TRAP PRIMER, TOTAL PRESSURE
FSD	FIRE SMOKE DAMPER	TSP	TOTAL STATIC PRESSURE
FT	FEET, FAN TERMINAL UNIT	TU	TERMINAL UNIT
FV	FACE VELOCITY	TYP	TYPICAL
GA	GAGE	UH	UNIT HEATER
GAL	GALLONS	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED		
GPM	GALLONS PER MINUTE	V	VENT, VOLT
		VA	VALVE
H	HUMIDIFIER, HEIGHT	VAV	VARIABLE AIR VOLUME
HB	HOSE BIBB	VEL	VELOCITY
HC	HEATING COIL	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VTR	VENT THROUGH ROOF
HEX	HEAT EXCHANGE		
HOA	HAND-OFF-AUTOMATIC	W	WASTE, WATER, WATT, WIDTH
HP	HORSEPOWER, HEAT PUMP	WB	WET BULB
HPS	HIGH PRESSURE STEAM	WG	WATER GAGE
HTG	HEATING	WH	WATER HEATER, WALL HYDRANT
HW	HOT WATER	WTR	WATER
HWC	HOT WATER CIRCULATING		
HWP	HOT WATER PUMP		
HWR	HEATING WATER RETURN		
HWS	HEATING WATER SUPPLY		
HZ	HERTZ		

INDIRECT DRAIN	
INVERT ELEVATION	
INTAKE HOOD	
INCH	
INITIAL	
INTERIOR	
INTEGRATED PART LOAD VALUE	
KILOWATT	
KILOWATT HOURS	
LENGTH	
LEAVING AIR TEMPERATURE	
POUND, LINEAR BAR	
POUNDS	
LINEAR DIFFUSER	
LEAVING WATER TEMPERATURE	
MAXIMUM	
THOUSAND BTU PER HOUR	
MINIMUM CIRCUIT AMPACITY	
MANUAL DAMPER	
MECHANICAL	
MANUFACTURER	
MINIMUM	
MAXIMUM OVER CURRENT PROTECTION	
MOTOR OPERATED DAMPER	
MOTOR	
NORMALLY CLOSED	
NEGATIVE	
NOT IN CONTRACT	
NUMBER, NORMALLY OPEN	
NOT TO SCALE	

OUTDOOR AIR	
ON CENTER	
OUTSIDE DIAMETER	
OPENING	
OVERFLOW ROOF DRAIN	
OVERFLOW RAIN LEADER	
PUMP, PLUMBING	
PRESSURE DROP	
PHASE	
POINT OF CONNECTION	
POSITIVE	
PUMPED RETURN	
PRESSURE TEMPERATURE	
POLYVINYL CHLORIDE	
QUANTITY	
RETURN AIR	
ROOF DRAIN	
REFERENCE	
REQUIRED	
RETURN FAN	
RETURN GRILLE	
RELIEF HOOD, RELATIVE HUMIDITY	
RAIN LEADER	
REDUCED PRESSURE BACKFLOW PREVENTER	
REVOLUTIONS PER MINUTE	
SOIL	
SUPPLY AIR	
STORM DRAIN, SMOKE DAMPER	
SENSIBLE	
SEASONAL ENERGY EFFICIENCY RATING	
SUPPLY FAN, SQUARE FEET	
SUPPLY GRILLE	
SOUNDINGING	
STATIC PRESSURE	
SPRINKLER	
STAINLESS STEEL, SANITARY SEWER	
STANDPIPE	
THERMOSTAT	
TEMPERATURE	
TRANSFER GRILLE	
TOP OF DUCT	
TOTAL	
TRAP PRIMER, TOTAL PRESSURE	
TOTAL STATIC PRESSURE	
TERMINAL UNIT	
TYPICAL	
UNIT HEATER	
UNLESS OTHERWISE NOTED	
VENT, VOLT	
VALVE	
VARIABLE AIR VOLUME	
VELOCITY	
VARIABLE FREQUENCY DRIVE	
VENT THROUGH ROOF	
WASTE, WATER, WATT, WIDTH	
WET BULB	
WATER GAGE	
WATER HEATER, WALL HYDRANT	
WATER	



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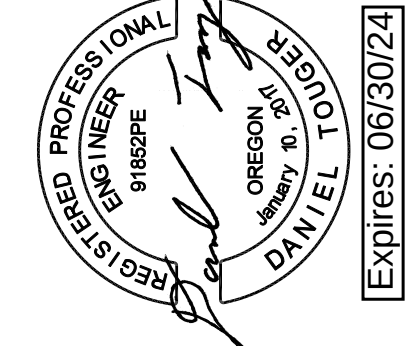
REVISIONS:

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

M0.00

MECHANICAL SHEET INDEX	
M0.00	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
M0.01	MECHANICAL LEGEND
M0.02	MECHANICAL SCHEDULES
MD1.01	MECHANICAL DEMOLITION - FIRST FLOOR PLAN - OVERALL
MD1.02	MECHANICAL DEMOLITION - ROOF PLAN - OVERALL
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MA.01	MECHANICAL PIPING - FIRST FLOOR PLAN - OVERALL
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MS.01	MECHANICAL ENLARGED PLANS - PHASE 1
ME.00	MECHANICAL DIAGRAMS
MT.00	MECHANICAL DETAILS

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SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	SOIL OR WASTE
	VENT
	RAIN LEADER
	OVERFLOW RAIN LEADER
	INDIRECT DRAIN
	COLD WATER
	HOT WATER
	HOT WATER CIRCULATING
	140° POTABLE HOT WATER
	120° POTABLE HOT WATER
	FIRE
	SPRINKLER
	STANDPIPE
	HIGH PRESSURE STEAM
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	REDUCER, CONCENTRIC
	WYE STRAINER WITH CAPPED HOSE AND BLOWDOWN VALVE
	ANGLE VALVE
	AUTOMATIC CONTROL VALVE - TWO WAY (PNEUMATIC OPERATOR SHOWN)
	AUTOMATIC CONTROL VALVE - THREE WAY (ELECTRIC OPERATOR SHOWN)
	BUTTERFLY VALVE
	FLEXIBLE CONNECTION IN PIPING
	MANUAL AIR VENT (MAV), AUTOMATIC AIR VENT (AAV)
	PRESSURE GAUGE
	THERMOMETER
	THERMOMETER WELL
	SIGHT GLASS
	HOSE BIB

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (HATCH)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	STEAM TRAP ASSEMBLY FIT = FLOAT AND THERMOSTATIC F = FLOAT T = THERMOSTATIC B = BUCKET IB = INVERTED BUCKET I = IMPULSE O = ORIFICE
	PIPE ANCHOR
	PIPE ALIGNMENT GUIDE
	CONTROL VALVE STATION
	PIPE SUPPORT
	PRESSURE/TEMPERATURE TEST PORT
	CAP
	PLUG
	UNION
	WYE STRAINER
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BALANCING OR PLUG VALVE
	NEEDLE VALVE
	PRESSURE REDUCING VALVE
	BALANCING/MEASURING VALVE
	RELIEF VALVE
	CHECK VALVE
	PIPE TURNING DOWN / AWAY
	PIPE TURNING UP / TOWARDS
	PIPE DOWN TEE
	PIPE DOWN TEE / AWAY
	PIPE UP TEE / TOWARDS

SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT - UP
	SUPPLY AIR DUCT - DOWN
	RETURN AIR DUCT - UP
	RETURN AIR DUCT - DOWN
	OUTSIDE AIR DUCT - UP
	OUTSIDE AIR DUCT - DOWN
	EXHAUST AIR DUCT - UP
	EXHAUST AIR DUCT - DOWN
	FLAT-OVAL DUCT - TURNING TOWARD
	FLAT-OVAL DUCT - TURNING AWAY
	INCLINE RISE (R) OR DROP (D) IN DIRECTION OF ARROW
	FLEXIBLE CONNECTION
	ACCESS DOOR (AD) OR ACCESS PANEL (AP)
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE SMOKE DAMPER
	MOTOR OPERATED DAMPER
	BACKDRAFT DAMPER
	FLEXIBLE DUCT

SYMBOLS LEGEND - PIPING & AIRFLOW DIAGRAMS	
SYMBOL	DESCRIPTION
	PIPING OR DUCTED AIRFLOW
	NON-DUCTED AIRFLOW
	ELECTRICAL CONNECTION
	FLOW CONTINUATION ARROW
	COMPLEX INTERLOCK (ELEC, PNEUMATIC, ETC.)
	CONNECTION TO CENTRAL MONITORING AND CONTROL SYSTEM (CMCS)
	PUMP
	CENTRIFUGAL FAN
	ELECTRIC MOTOR/STARTER ASSEMBLY
	ELECTRIC MOTOR OPERATOR (VALVES AND DAMPERS)
	FLOOR DRAIN
	FUNNEL DRAIN
	FLOOR SINK (SQUARE AND ROUND)
	FLOW DIRECTION

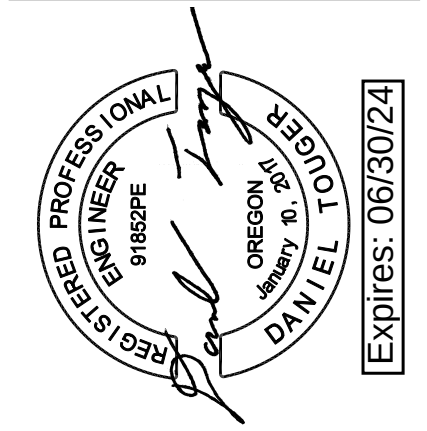
SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	ROUND, 90° ELBOW, R/W OR R/D = 1.5
	RECTANGULAR, 90° ELBOW, R/W OR R/D = 1.5
	RECTANGULAR OR ROUND, 90° ELBOW, R/W OR R/D = 1.5
	SQUARE CORNER ELBOW WITH TURNING VANE
	45° BRANCH CONNECTION
	RECTANGULAR BRANCH TO RECTANGULAR DUCT CONNECTION WITH 45° TAPER
	ROUND OR RECTANGULAR BRANCH TO ROUND OR RECTANGULAR DUCT CONNECTION
	ROUND BRANCH TO RECTANGULAR DUCT CONNECTION
	ROUND BRANCH TO ROUND DUCT CONNECTION
	TRANSITION OR REDUCER - NOTED FOT (FLAT ON TOP) OR FOB (FLAT ON BOTTOM) IF REQUIRED
	RECTANGULAR TO ROUND TRANSITION

SYMBOLS LEGEND - FIRE PROTECTION	
SYMBOL	DESCRIPTION
	FIRE
	EQUIPMENT WITH EQUIPMENT IDENTIFICATION
	FIRE DEPARTMENT CONNECTION
	PRESSURE REGULATING VALVE WITH SUPERVISORY SWITCH
	WET SPRINKLER HEAD
	DRY SPRINKLER HEAD

SYMBOLS LEGEND - MEDICAL GASES	
SYMBOL	DESCRIPTION
	OXYGEN
	MEDICAL COMPRESSED AIR
	MEDICAL VACUUM
	WASTE ANESTHETIC GAS
	MEDICAL AIR OUTLET
	WASTE ANESTHETIC GAS DEVICE
	NITROUS OXIDE (NITROUS)
	NITROGEN
	CARBON DIOXIDE
	ETHYLENE OXIDE
	MEDICAL GAS VALVE (SERVICE VALVE)
	ZONE VALVE BOX
	MEDICAL GAS ALARM BOX
	MEDICAL AIR PRESSURE SENSOR
	HOSE REEL (RETRACTABLE)

SYMBOLS LEGEND - LABORATORY	
SYMBOL	DESCRIPTION
	NON POTABLE COLD WATER
	NON POTABLE HOT WATER
	NON POTABLE HOT WATER RECIRCULATE
	LABORATORY AIR
	LABORATORY VACUUM

SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	EQUIPMENT WITH EQUIPMENT IDENTIFICATION
	THERMOSTAT
	DIFFUSER IDENTIFIER CONNECTION SIZE AIR FLOW (CFM) DIFFUSER TYPE MARK
	CEILING SUPPLY DIFFUSER
	CEILING RETURN DIFFUSER
	SIDEWALL GRILL DIFFUSER
	AIRFLOW, SUPPLY
	AIRFLOW, RETURN
	DOOR UNDERCUT



REQUIRED OUTSIDE AIR FLOW RATE																						
MINIMUM VENTILATION RATES FROM TABLE 403.3, 2019 OREGON MECHANICAL SPECIALTY CODE & ASHRAE 170																						
ROOM NUMBER	ROOM NAME	TOTAL AREA (SQFT)	DEFAULT OCCUPANT DENSITY #/1,000 SQFT	ZONE NO. OF PEOPLE	CFM PER PERSON	Rp*Pz (CFM)	CFM PER SQFT	Ra*Rz (CFM)	Vbzp+Vbza (CFM)	Vbzp+Vbze (CFM)	CEILING HEIGHT	ASHRAE 170 FUNCTION OF SPACE	ASHRAE 170	REQUIRED OA PER ASHRAE 170	SCHEDULED OUTDOOR AIRFLOW (CFM)	REQUIRED EXHAUST ASHRAE 170	REQUIRED EXHAUST AIRFLOW RATE (CFM)	SCHEDULED EXHAUST AIRFLOW (CFM)				
		Az		Pz	Rp	Vbzp	Ra	Vbza	Vbz	Ez	Voz	FT		MIN. OA ACH	CFM		ACH					
D11	DENTAL LAB	156	20	4	30	120	-	-	120	0.8	150	8	LABORATORY WORK AREA, GENERAL	2	42	150	0	0				
D21	DENTAL OFFICE	71	5	2	5	10	0.06	4.3	14	0.8	18	8	-	0	0	25	0	0				
D10	OPERATORY	235	20	4	30	120	-	-	120	0.8	150	8	-	2	63	150	0	0				
D62	OFFICE / EXAM ROOM	174	10	2	25	50	-	-	50	0.8	63	8	OAR 333-535-0300 NO NITROUS	2	46	65	0	0				
D22	SHARED OFFICE	123	5	2	5	10	0.06	7.4	17	0.8	22	8	-	0	0	25	0	0				
SYSTEM TOTAL ERV-04														415								
41	RECEIVING / STORAGE	339	-	0	-	-	0.12	40.7	41	0.8	51	8	-	0	0	55	0	0				
40	MED LAB	210	20	5	15	75	-	-	75	0.8	94	8	LABORATORY WORK AREA, GENERAL	2	56	95	0	0				
C20.1	SECURITY	157	5	2	5	10	0.06	9.4	19	0.8	24	8	-	0	0	25	0	0				
44	MED SUPPLY	98	10	1	5	5	0.18	17.6	23	0.8	28	8	MEDICATION ROOM	2	26	30	0	0				
44	MED ROOM	185	20	4	15	60	-	-	60	0.8	75	8	TREATMENT ROOM	2	49	75	0	0				
45	MEETING ROOM	216	50	11	5	55	0.06	13.0	68	0.8	85	8	-	0	0	85	0	0				
46	NURSE SUPERVISOR	155	5	1	5	5	0.06	9.3	14	0.8	18	8	-	0	0	25	0	0				
47	NURSE SUPERVISOR	102	5	1	5	5	0.06	6.1	11	0.8	14	8	EXAM ROOM	0	0	25	0	0				
C20	CIRCULATION	1,384	-	0	-	-	0.06	83.0	83	0.8	104	8	PATIENT CORRIDOR	0	0	105	0	0				
62	PSYCH OFFICE	119	5	2	5	10	0.06	7.1	17	0.8	21	8	-	0	0	25	0	0				
63	NURSE SUPER / EXAM ROOM	155	10	2	25	50	-	-	50	0.8	63	8	EXAM ROOM	2	41	65	0	0				
64	JANITOR CLOSET	59	-	0	-	-	-	-	-	0.8	-	8	JANITOR CLOSET	0	0	0	10	79				
65	YTH TLT	33	-	0	-	-	-	-	-	0.8	-	8	TOILET ROOM	0	0	0	10	44				
73	YTH TLT	33	-	0	-	-	-	-	-	0.8	-	8	TOILET ROOM	0	0	0	10	44				
61	EXAM ROOM	165	10	2	25	50	-	-	50	0.8	63	8	TREATMENT ROOM	2	44	65	0	0				
67	MED SUPPLY	150	10	2	5	10	0.18	27.0	37	0.8	46	8	MEDICATION ROOM	0	0	50	0	0				
65	PSYCH OFFICE	118	5	2	5	10	0.06	7.1	17	0.8	21	8	PATIENT ROOM	0	0	25	0	0				
67	PSYCH OFFICE	119	5	2	5	10	0.06	7.1	17	0.8	21	8	PATIENT ROOM	0	0	25	0	0				
68	PSYCH OFFICE	118	5	2	5	10	0.06	7.1	17	0.8	21	8	PATIENT ROOM	0	0	25	0	0				
69	PSYCH OFFICE	118	5	2	5	10	0.06	7.1	17	0.8	21	8	PATIENT ROOM	0	0	25	0	0				
67	SHARED OFFICE	118	5	1	5	5	0.06	7.1	12	0.8	15	8	-	0	0	25	0	0				
63	EXAM ROOM	160	10	2	25	50	-	-	50	0.8	63	8	TREATMENT ROOM	2	43	65	0	0				
79	KIT	65	-	0	-	-	-	-	-	0.8	-	8	FOOD PREPERATION CENTER	2	17	25	10	87				
84	HALLWAY	139	-	0	-	-	0.06	8.3	8	0.8	10	8	-	0	0	25	0	0				
85	HALLWAY	76	-	0	-	-	0.06	4.6	5	0.8	6	8	PATIENT CORRIDOR	0	0	25	0	0				
90	YOUTH WAITING	99	10	2	5	10	0.06	5.9	16	0.8	20	8	-	0	0	25	0	0				
SYSTEM TOTAL ERV-01														1,015				380				
42	NURSE STATION	515	5	6	5	30	0.06	30.9	61	0.8	76	0	-	0	0	80	0	0				
51	PATIENT ROOM	122	10	2	25	50	-	-	50	0.8	63	0	PATIENT ROOM	2	0	65	0	0				
52	PATIENT ROOM	113	10	2	25	50	-	-	50	0.8	63	8	PATIENT ROOM	2	0	65	0	0				
55	SHOWER ROOM	78	-	0	-	-	-	-	-	0.8	-	8	BATHING ROOM	0	33	0	0	0				
53	PATIENT ROOM	113	10	2	25	50	-	-	50	0.8	63	8	PATIENT ROOM	2	30	65	0	0				
52	PATIENT ROOM	113	10	2	25	50	-	-	50	0.8	63	8	PATIENT ROOM	2	0	65	0	0				
50	DAY ROOM	594	10	6	5	30	0.06	35.6	66	0.8	82	8	-	2	30	160	0	0				
SYSTEM TOTAL ERV-02														500		100		0				
86	GENERAL STORAGE	583	-	0	-	-	0.12	70.0	70	0.8	87	8	-	0	-	100	0	0				
SYSTEM TOTAL ERV-03														100		100		0				
80	LOCKERS	228	-	0	-	-	-	-	-	0.8	-	0	-	0	-	160	4	114				
81	BREAK ROOM	247	50	6	5	30	0.06	14.8	45	0.8	56	0	-	0	-	110	0	50				
82	STF TLT	66	-	0	-	-	-	-	-	0.8	-	0	TOILET ROOM	0	-	0	10	0				
83	STF TLT	65	-	0	-	-	-	-	-	0.8	-	0	TOILET ROOM	0	-	0	10	0				
SYSTEM TOTAL ERV-05														0		0		270				

FAN SCHEDULE																
EQUIP NO.	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	TYPE	DRIVE TYPE	AIRFLOW (CFM)	TOTAL ESP (IN WG)	FAN RPM	MOTOR (BHP)	MOTOR (HP)	VFD YES/NO	VPH/Hz	SONES	OPERATING WEIGHT (LBS)	REMARKS
EF-01	ROOF	EXAM 74	GREENHECK	CUE-070-VG	UB CENTRIFUGAL	DIRECT	165	0.3	1424	0.46	1/16	N	120/160	3.2	40	1,23.4
EF-02	CEILING	DENTAL LAB	GREENHECK	SP-A200	CEILING	DIRECT	200	0.25	836	0.46	43 WATT	N	120/160	1.5	31	1,23.5
REMARKS:																
1. PROVIDE 24V DAMPER TO MEET ENERGY CODE.																
2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS																
3. PROVIDE VARI-FLOW AIR BALANCE KIT																
4. PROVIDE MANUFACTURER INSULATED 14" ROOF CURB.																
5. PROVIDE FAN WITH A WALL SWITCH.																

SPLIT SYSTEM FAN COIL SCHEDULE																		
EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	ASSOCIATED OUTDOOR UNIT	TYPE	FAN CFM	COOLING CAPACITY			HEATING CAPACITY		ELECTRICAL DATA			MAXIMUM SOUND PRESSURE (dBA)	OPERATING WEIGHT (LBS)	REMARKS
								COOLING LOAD		OA DESIGN TEMP (DEG F)	TOTAL LOAD (MBH)	OA DESIGN TEMP (DEG F)	MCA	MOCP	VIPH/Hz			
								TOTAL LOAD (MBH)	SENSIBLE LOAD (MBH)									
FCU-26	LEVEL - 1	IDF CLOSET	DAIKIN	FTX12	CU-01	HIGHWALL	210-475	10.9	9.1	95	8.8	24	13	15	208/160	25-45	22	1,2,3
REMARKS:																		
1. PROVIDE WITH MANUFACTURER RECOMMENDED EXTERNAL OR INTEGRAL CONDENSATE PUMP POWERED VIA FAN COIL.																		
2. PROVIDE WITH SINGLE POINT POWER CONNECTION.																		
3. MOUNT PER MANUFACTURERS RECOMMENDATIONS.																		

SPLIT SYSTEM CONDENSING UNIT SCHEDULE																	
EQUIP. NO	LOCATION	SERVICE	TYPE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL DATA			MAXIMUM SOUND PRESSURE (dBA)	OPERATING WEIGHT (LBS)	REMARKS
						TOTAL LOAD (MBH)	OA DESIGN TEMP (DEG F)	SEER	TOTAL LOAD (MBH)	OA DESIGN TEMP (DEG F)	HSFP	MCA	MOCP	V/PH/Hz			
CU-01	ROOF	FCU-26	MINI-SPLIT	DAIKIN	RK12A	10.9	95	24.2	8.8	24	10.6	13	15	208/160	50	57	1,2,3
REMARKS:																	
1. PROVIDE FACTORY MOTOR STARTERS. SEE ELECTRICAL DRAWINGS FOR SEPARATE DISCONNECT SWITCH																	
2. FACTORY PROVIDED INTEGRAL CRANKCASE HEATER																	
3. SYSTEM MUST BE INSTALLED BY A CONTRACTOR CERTIFIED WITH THE HEAT PUMP MANUFACTURER. SEE DETAILS FOR ADDITIONAL INFORMATION ON UNIT MOUNTING.																	

DIFFUSER-GRILLE SCHEDULE

EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	DESCRIPTION	MAXIMUM SOUND PRESSURE (dBA)	REMARKS
CD-1	CEILING	SUPPLY DIFFUSER	TUTTLE & BAILEY	SD	24X24 4-WAY ADJUSTABLE, MODULAR CORE DIFFUSER	30	1,2,3
CD-2	CEILING	SUPPLY DIFFUSER	TUTTLE & BAILEY	SG200-SD	SUICIDE DETERRENT SECURITY PERFORATED CORE	30	1,2,3,4
SG-1	WALL	SUPPLY GRILLE	TUTTLE & BAILEY	T64	DOUBLE DEFLECTION GRILLE	30	1,3,5
RG-1	CEILING	RETURN GRILLE	TUTTLE & BAILEY	CRE500	EGGCRATE RETURN GRILLE	30	1,3,6
RG-2	CEILING	RETURN GRILLE	TUTTLE & BAILEY	SG200-SD	SUICIDE DETERRENT SECURITY PERFORATED CORE	30	1,2,3,4
RG-3	DUCT	RETURN GRILLE	TUTTLE & BAILEY	T700	SINGLE DEFLECTION RETURN GRILLE	30	1,7
EG-1	CEILING	EXHAUST GRILLE	TUTTLE & BAILEY	AT700	12X12 SINGLE DEFLECTION GRILLE	30	1,7
EG-2	WALL	EXHAUST GRILLE	TUTTLE & BAILEY	AT700	24X24 SINGLE DEFLECTION GRILLE	30	1,7

REMARKS:

1. SEE MECHANICAL FLOOR PLANS FOR DUCT SIZE AND CFM

2. STEEL, WHITE, SQUARE NECK, SEE MECHANICAL FLOOR PLANS FOR NECK SIZE, SRA BY CONTRACTOR

3. BORDER TO MATCH CEILING TYPE

4. FOR SURFACE MOUNT APPLICATION USE BORDER TYPE 6

5. STEEL, WHITE, 3/4" BLADE SPACING, VERTICAL FRONT BLADES

6. STEEL, WHITE, CORE ONLY IN ACT, 1/2"X1/2"X1/2" GRID

7. ALUMINUM, WHITE, FOR GWB CEILING, 3/4" BLADE SPACING, 35 DEG. FIXED DEFLECTION



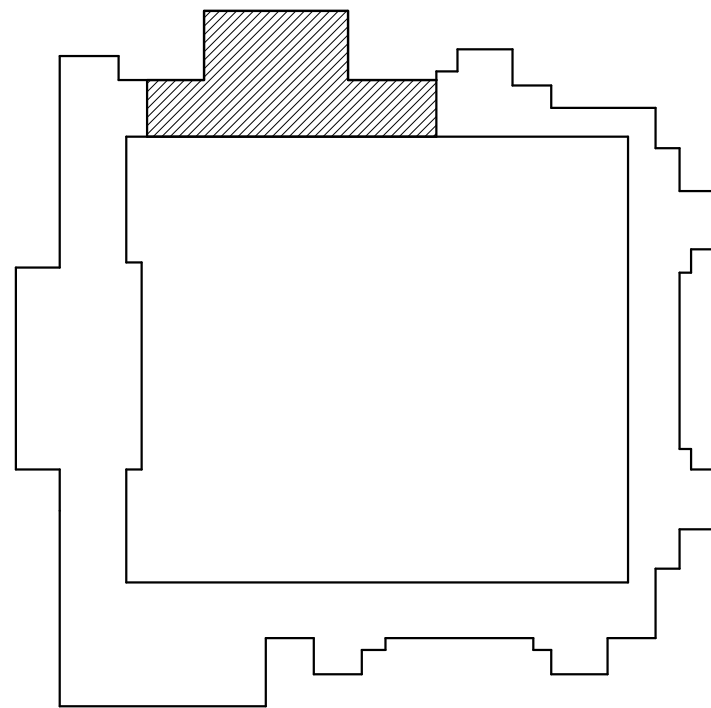
SHEET NOTES

- A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EXISTING FIXTURES, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.
- B. ANY DAMAGE CAUSED TO THE EXISTING SYSTEM TO BE REUSED WILL BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- C. ALL EXISTING STEAM RADIATORS TO BE DEMOLISHED AS PART OF THIS SCOPE OF WORK.
- D. PATCH ALL OPENINGS AIR / WATER TIGHT TO MATCH ADJACENT SURFACE.

FLAG NOTES

1. DEMOLISH EXISTING GRADE MOUNTED RTU, ASSOCIATED DUCTWORK, AIR DEVICES, CURB, ACCESSORIES AND CONTROLES IN THEIR ENTIRETY.
2. DEMOLISH EXISTING ROOF MOUNTED RTU, ASSOCIATED DUCTWORK, AIR DEVICES, CURB, ACCESSORIES, AND CONTROLES IN THEIR ENTIRETY.
3. ALL ASSOCIATED DUCTWORK, CONTROLS, AIR DEVICES, AND ACCESSORIES WITH ROOFTOP EXHAUST FAN TO BE DEMOLISHED IN THEIR ENTIRETY.
4. ALL ASSOCIATED DUCTWORK, CONTROLS, AIR DEVICES, AND ACCESSORIES WITH CEILING EXHAUST FAN TO BE DEMOLISHED IN THEIR ENTIRETY.

KEY PLAN



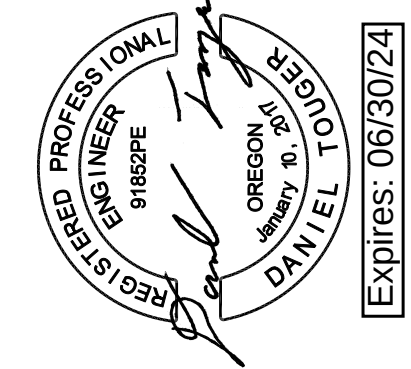
MECHANICAL
DEMOLITION - FIRST
FLOOR PLAN - OVERALL

MD1.01



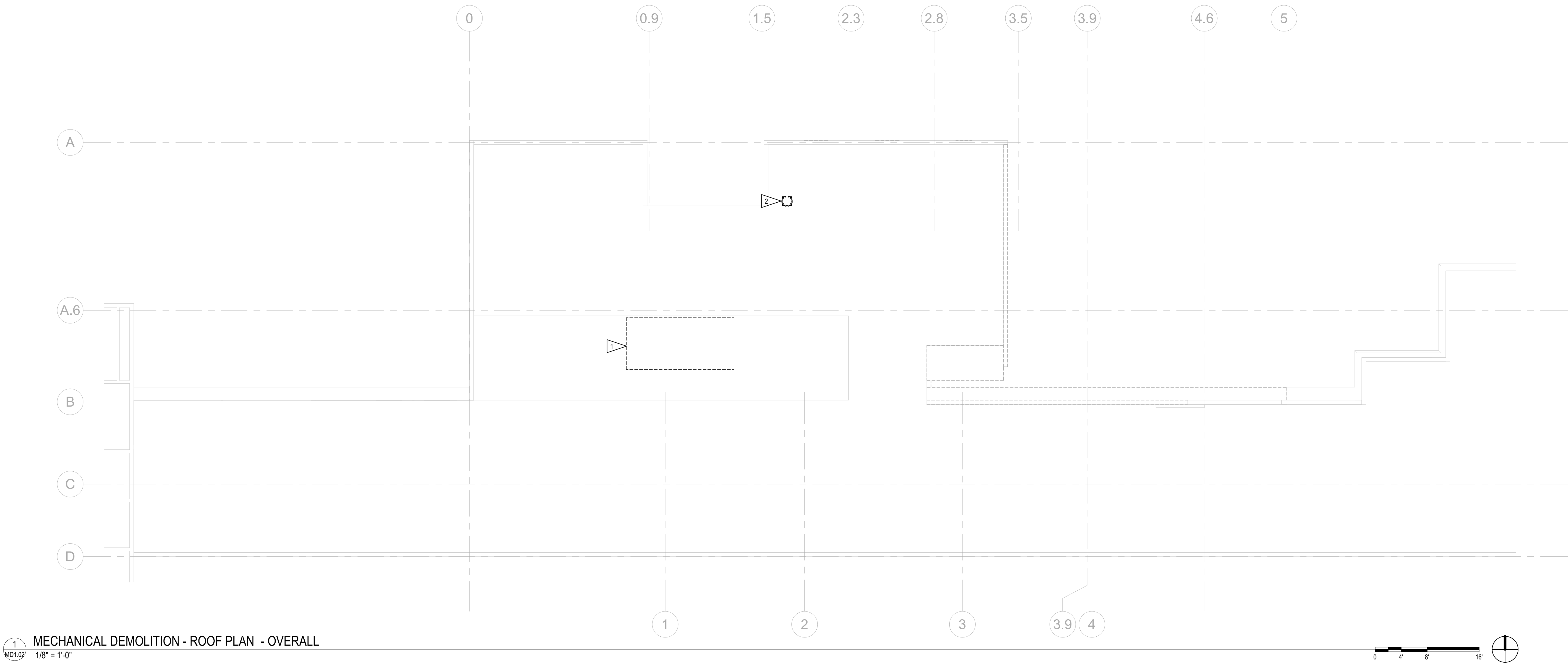
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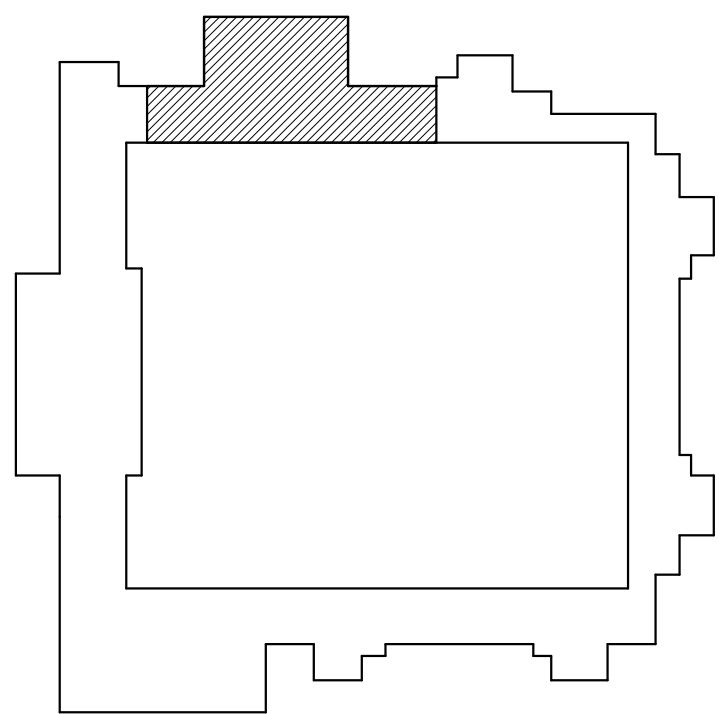
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SAZANI# 257-22054

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1 MD1.02 1/8" = 1'-0" MECHANICAL DEMOLITION - ROOF PLAN - OVERALL

KEY PLAN



SHEET NOTES

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- B. ANY DAMAGE CAUSED TO THE EXISTING SYSTEM TO BE REUSED WILL BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- C. PATCH ALL ROOF OPENINGS WATERTIGHT TO MATCH EXISTING SURFACE.

FLAG NOTES

1. DEMOLISH EXISTING ROOF MOUNTED RTU, ASSOCIATED DUCTWORK, AIR DEVICES, CURB, ACCESSORIES AND CONTROLS IN THEIR ENTIRETY.
2. DEMOLISH EXISTING FAN AND ASSOCIATED DUCTWORK, ACCESSORIES AND CONTROLS IN THEIR ENTIRETY.

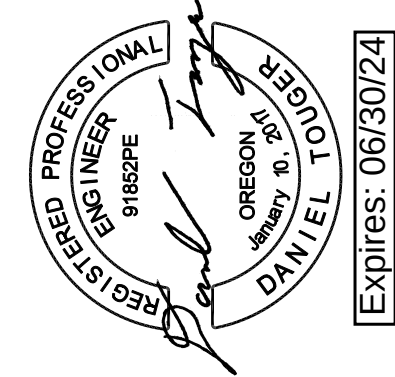


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MECHANICAL
DEMOLITION - ROOF
PLAN - OVERALL

MD1.02



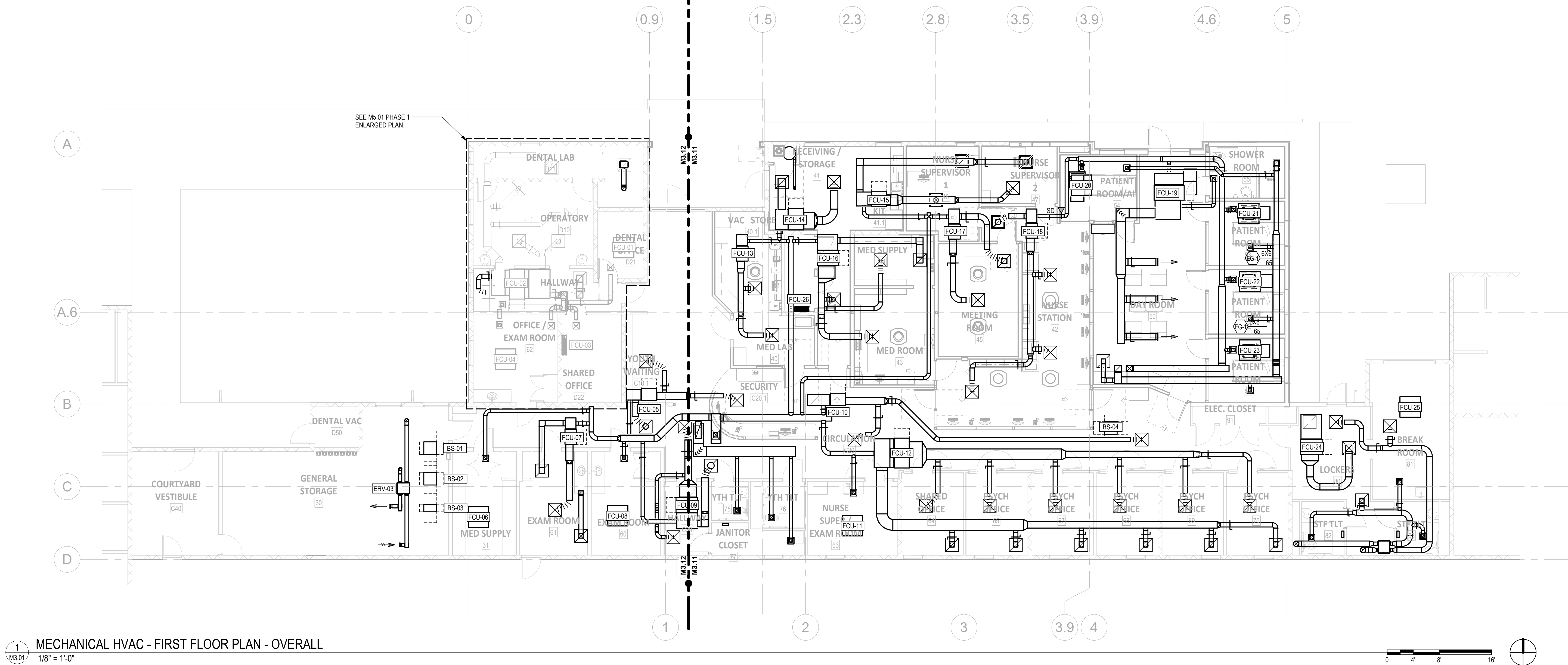
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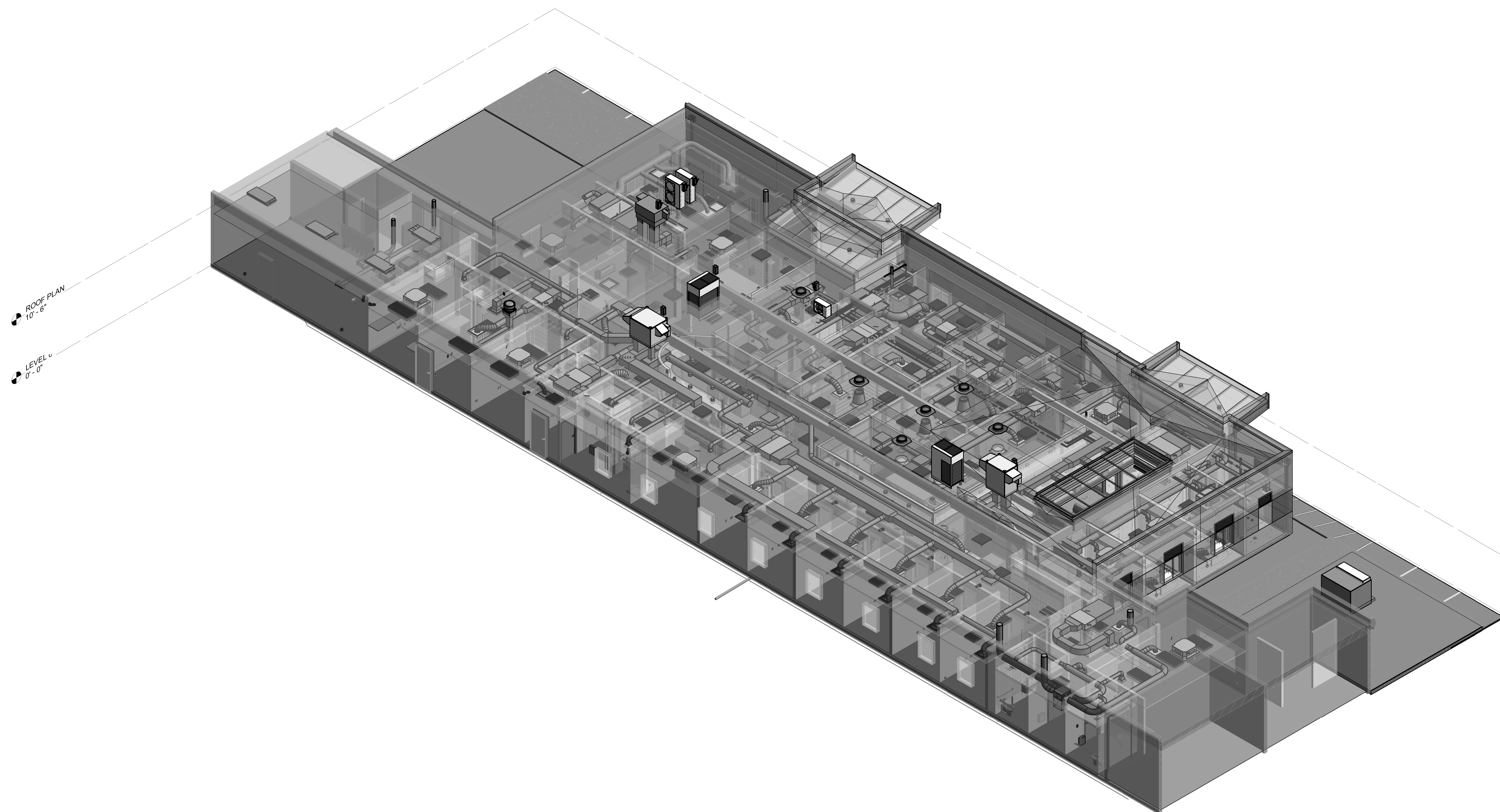
CONSTRUCTION DOCUMENTS

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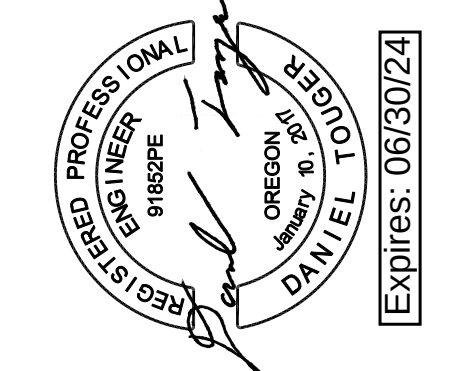


1 MECHANICAL HVAC - FIRST FLOOR PLAN - OVERALL
M3.01 1/8" = 1'-0"

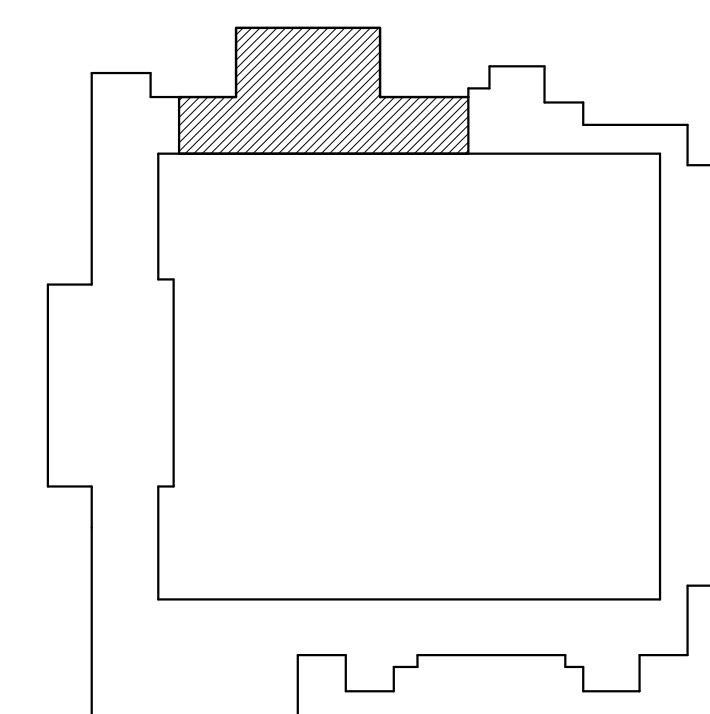


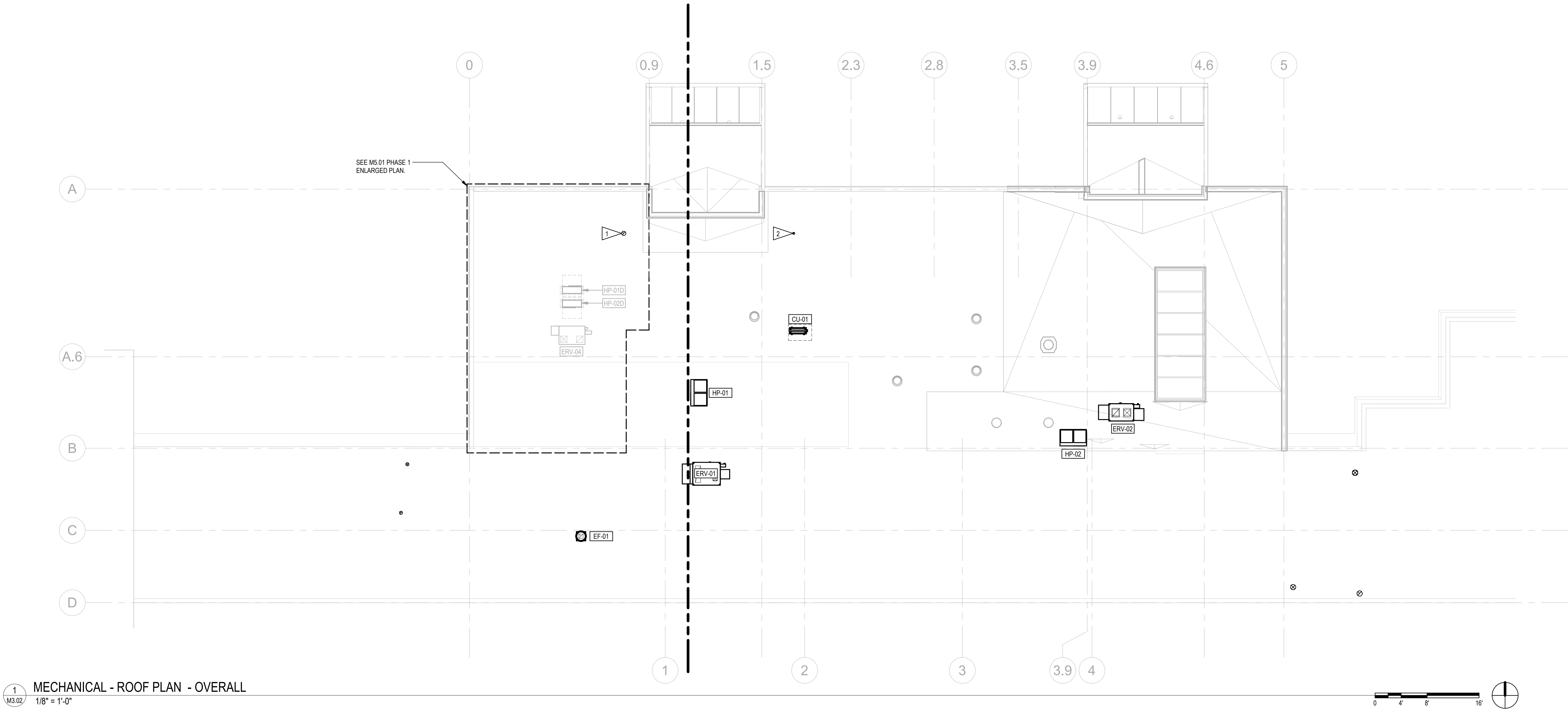
MECHANICAL HVAC - 3D VIEW

- SHEET NOTES**
- A. PLANS ARE DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS AND COORDINATING WITH OTHER TRADES.
- B. ALL DIFFUSERS, GRILLES AND REGISTERS TO BE PROVIDED WITH A BALANCING DAMPER.
- C. PENETRATION AT ALL RATED ASSEMBLIES TO BE PROPERLY SEALED.



KEY PLAN





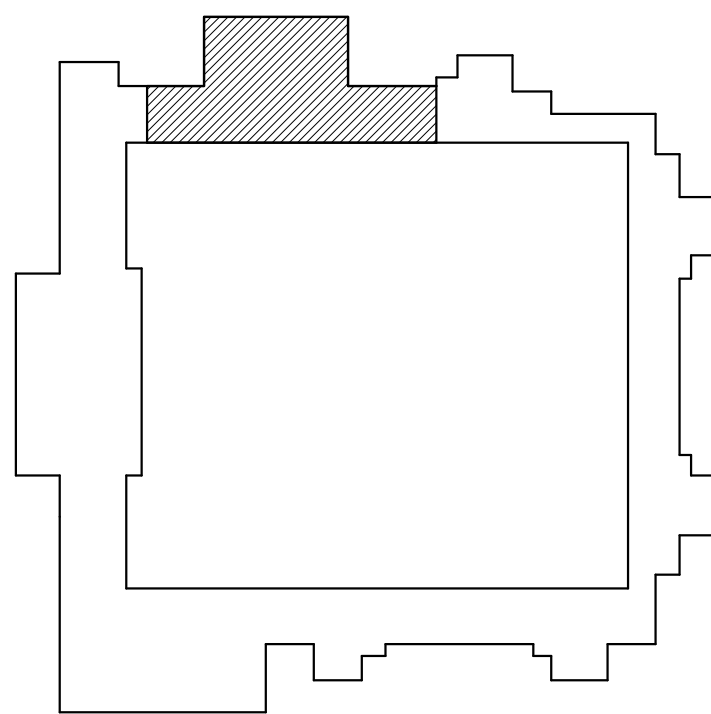
SHEET NOTES

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- B. ALL DIFFUSERS, GRILLES AND REGISTERS TO BE PROVIDED WITH A BALANCING DAMPER.
- C. PENETRATION AT ALL RATED ASSEMBLIES TO BE PROPERLY SEALED.
- D. MAINTAIN OGA INTAKES MIN. OF 10'-0" CLEAR FROM EXHAUST DISCHARGES AND PLUMBING VENTS

FLAG NOTES

1. TERMINATE EXHAUST 2'-0" ABOVE FINISH ROOF WITH MANUFACTURER'S VENT CAP.
2. TERMINATE WATER HEATER EXHAUST 2'-0" ABOVE FINISH ROOF WITH MANUFACTURER'S CONCENTRIC VENT KIT.

KEY PLAN



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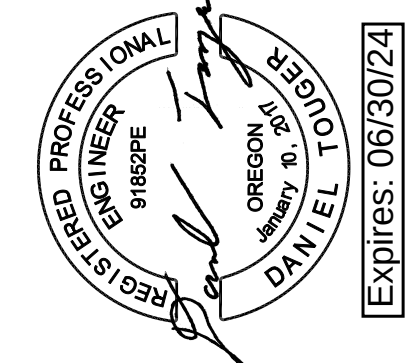


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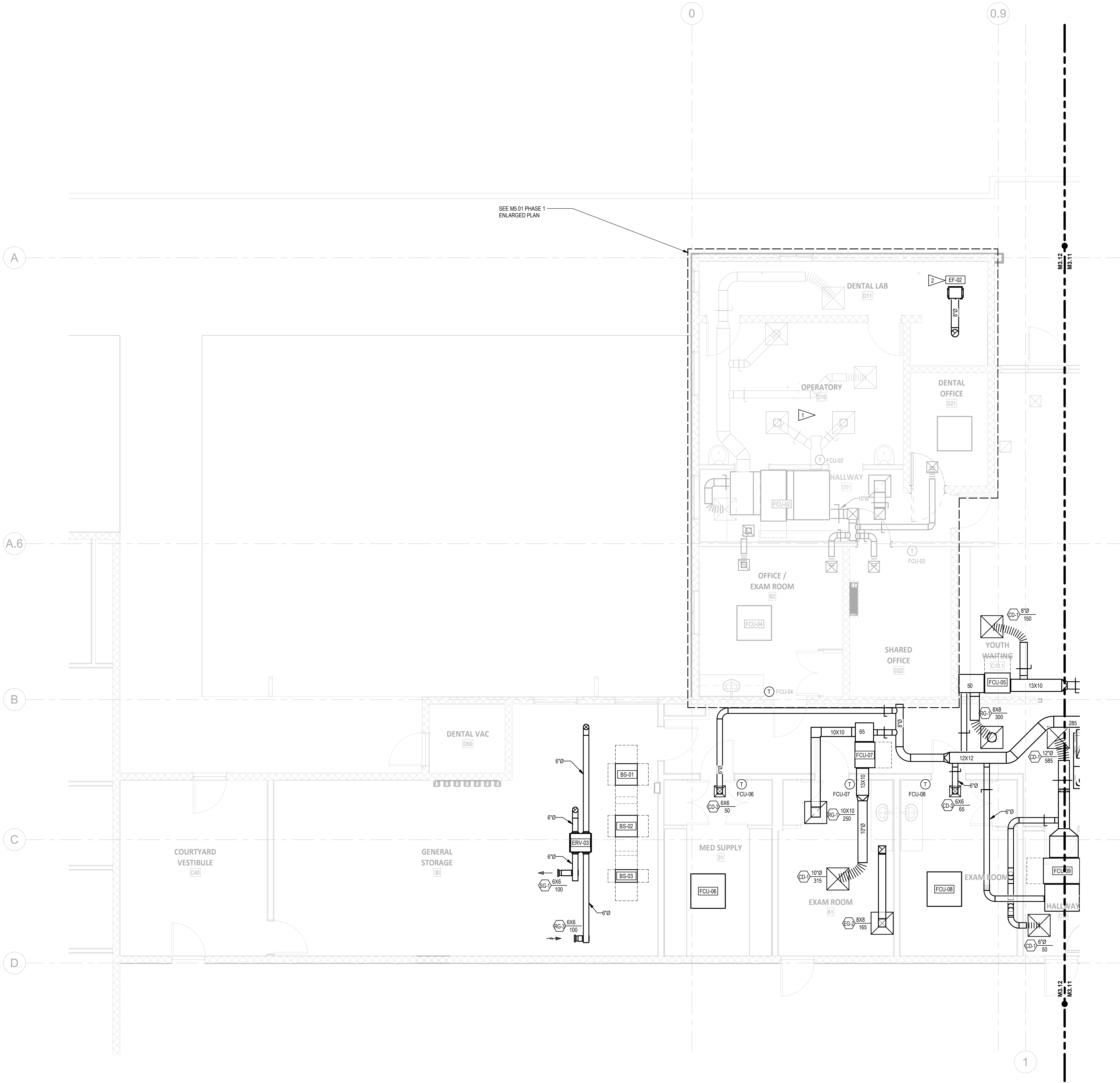
MECHANICAL - ROOF
PLAN - OVERALL

M3.02

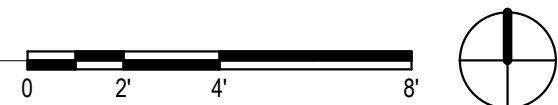


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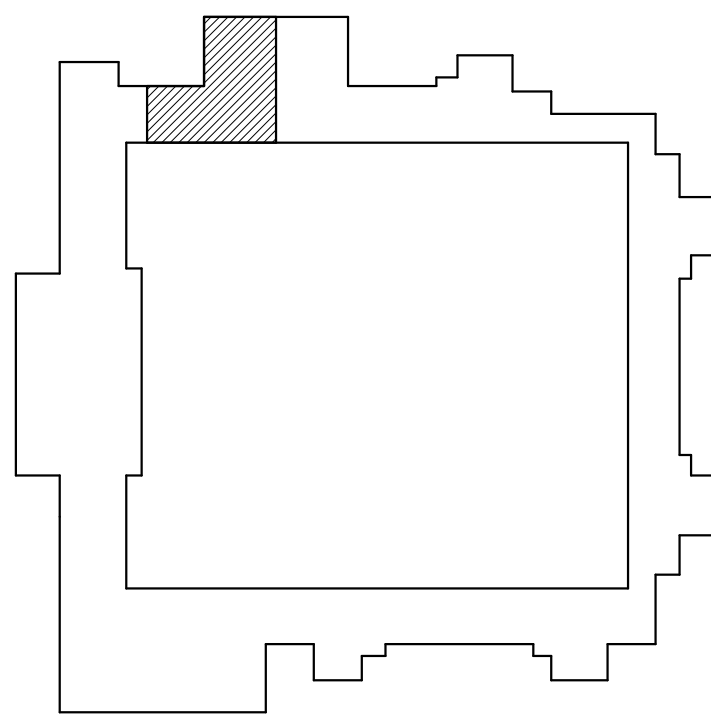
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1 MECHANICAL HVAC - FIRST FLOOR PLAN - STORAGE AREA
M3.12 1/4" = 1'-0"



KEY PLAN



SHEET NOTES

- A. PLANS ARE DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS AND COORDINATING WITH OTHER TRADES.
- B. ALL DIFFUSERS, GRILLES AND REGISTERS TO BE PROVIDED WITH A BALANCING DAMPER.
- C. PENETRATION AT ALL RATED ASSEMBLIES TO BE PROPERLY SEALED.

FLAG NOTES

1. SEE M5.01 FOR PHASE 1 CONSTRUCTION.
2. INSTALL FAN, ASSOCIATE DUCTWORK AND CONTROLS IN PHASE 2 CONSTRUCTION

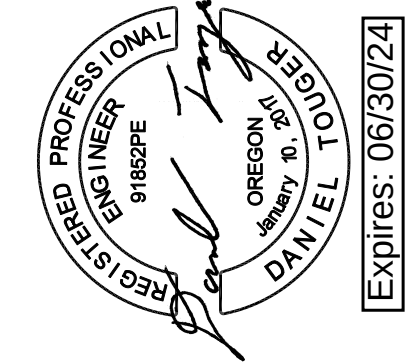
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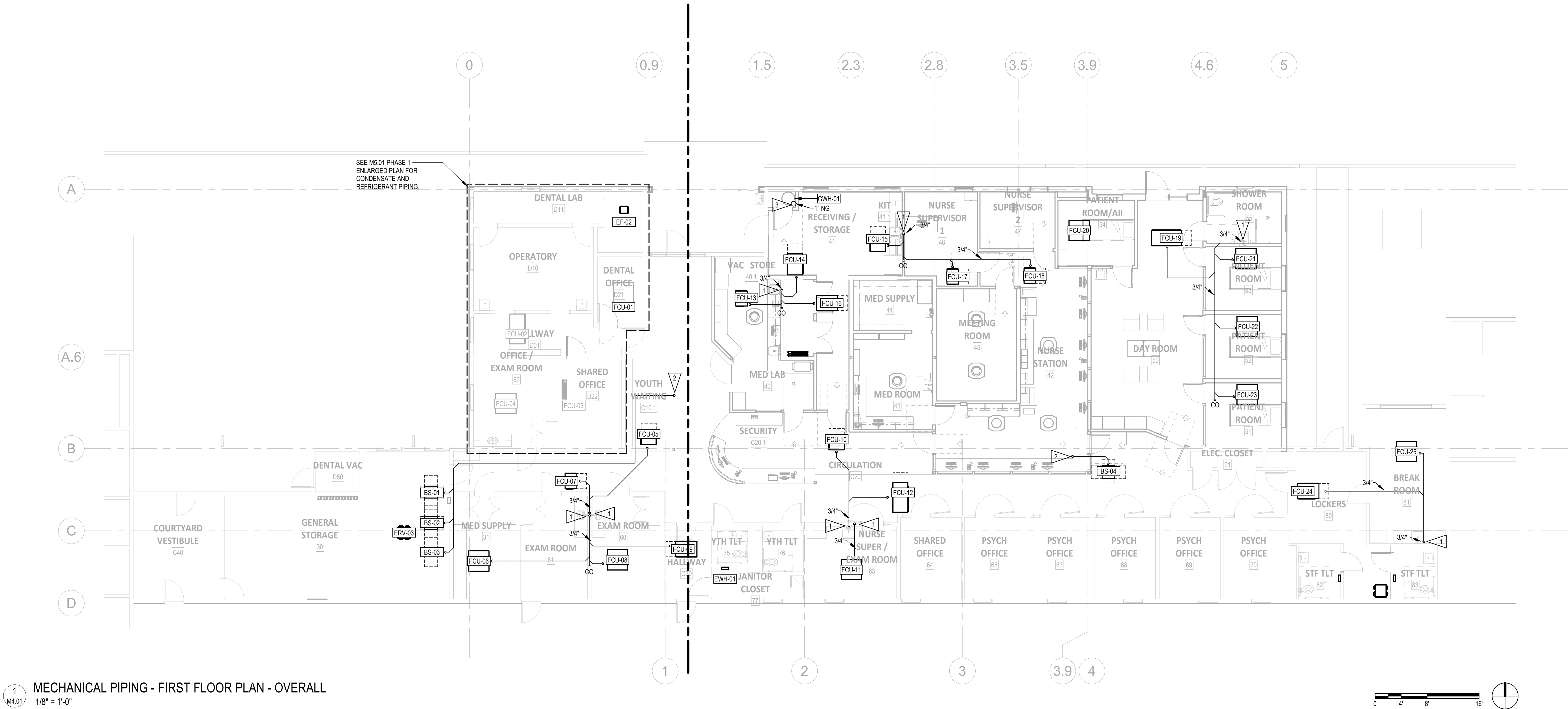
MECHANICAL HVAC -
FIRST FLOOR PLAN -
STORAGE AREA

M3.12



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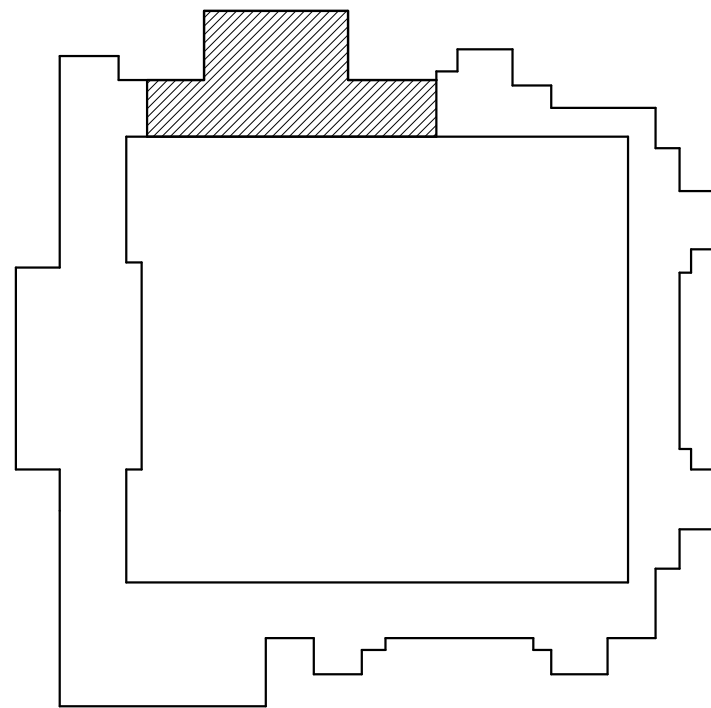
SHEET NOTES

- A. PLANS ARE DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS AND COORDINATING WITH OTHER TRADES.
- B. PENETRATION AT ALL RATED ASSEMBLIES TO BE PROPERLY SEALED.

FLAG NOTES

1. ROUTE CONDENSATE TO SINK DRAIN, REFER TO SHEET M7.00 DETAIL 9 FOR CONNECTION DETAIL.
2. REFRIGERANT PIPING DOWN FROM HEAT PUMPS. REFER TO SHEET M4.11 FOR CONTINUATION.
3. ONE 4" COMBUSTION AIR AND ONE 4" EXHAUST PIPE UP THROUGH ROOF. SEE P700 FOR WATER HEATER AND VENTING DETAILS.

KEY PLAN



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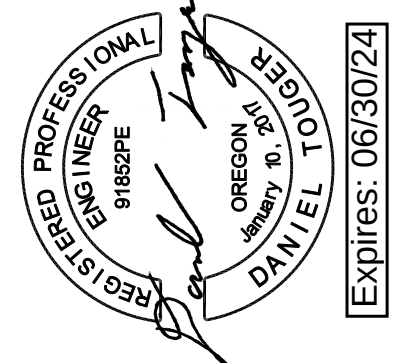


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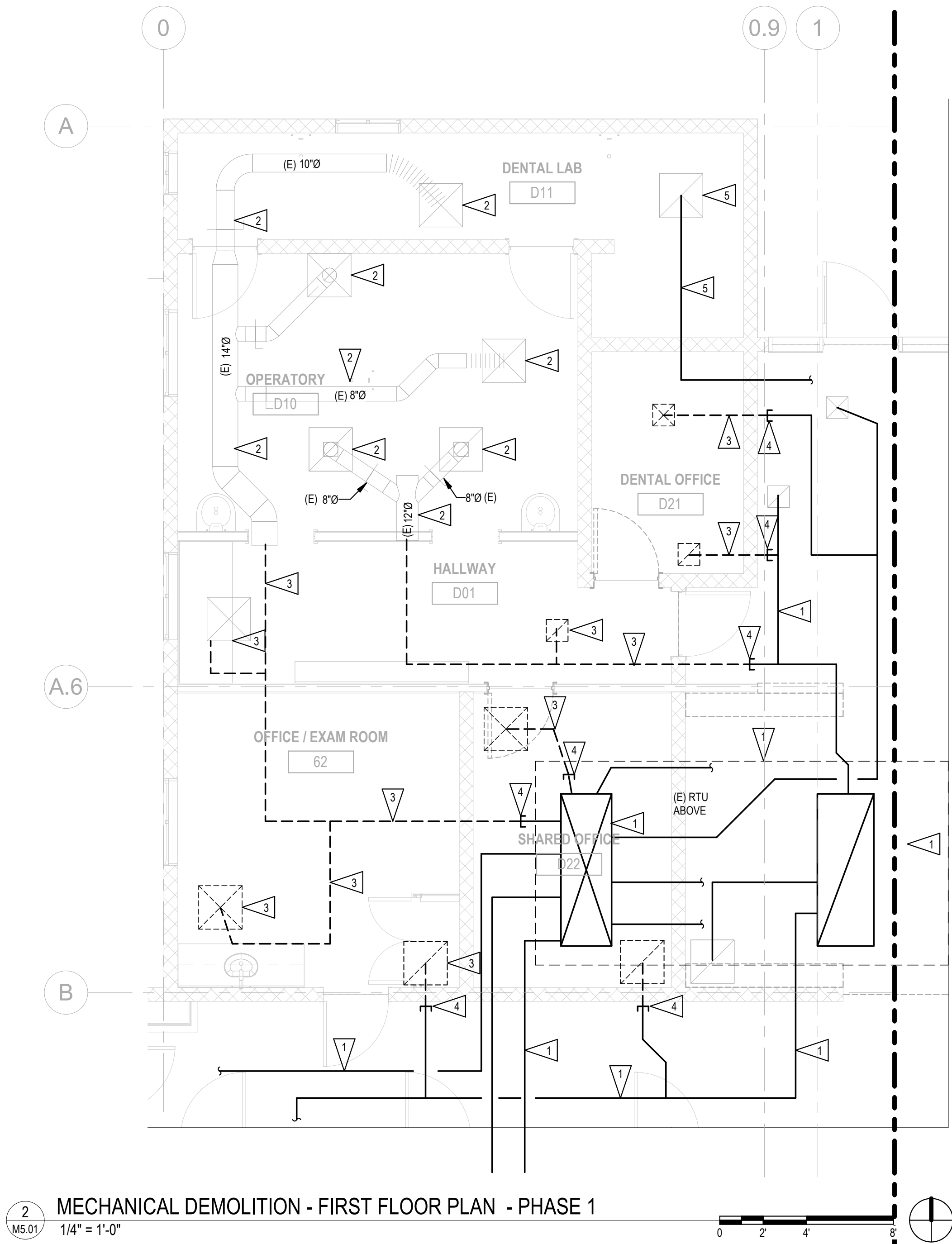
MECHANICAL PIPING -
FIRST FLOOR PLAN -
OVERALL

M4.01



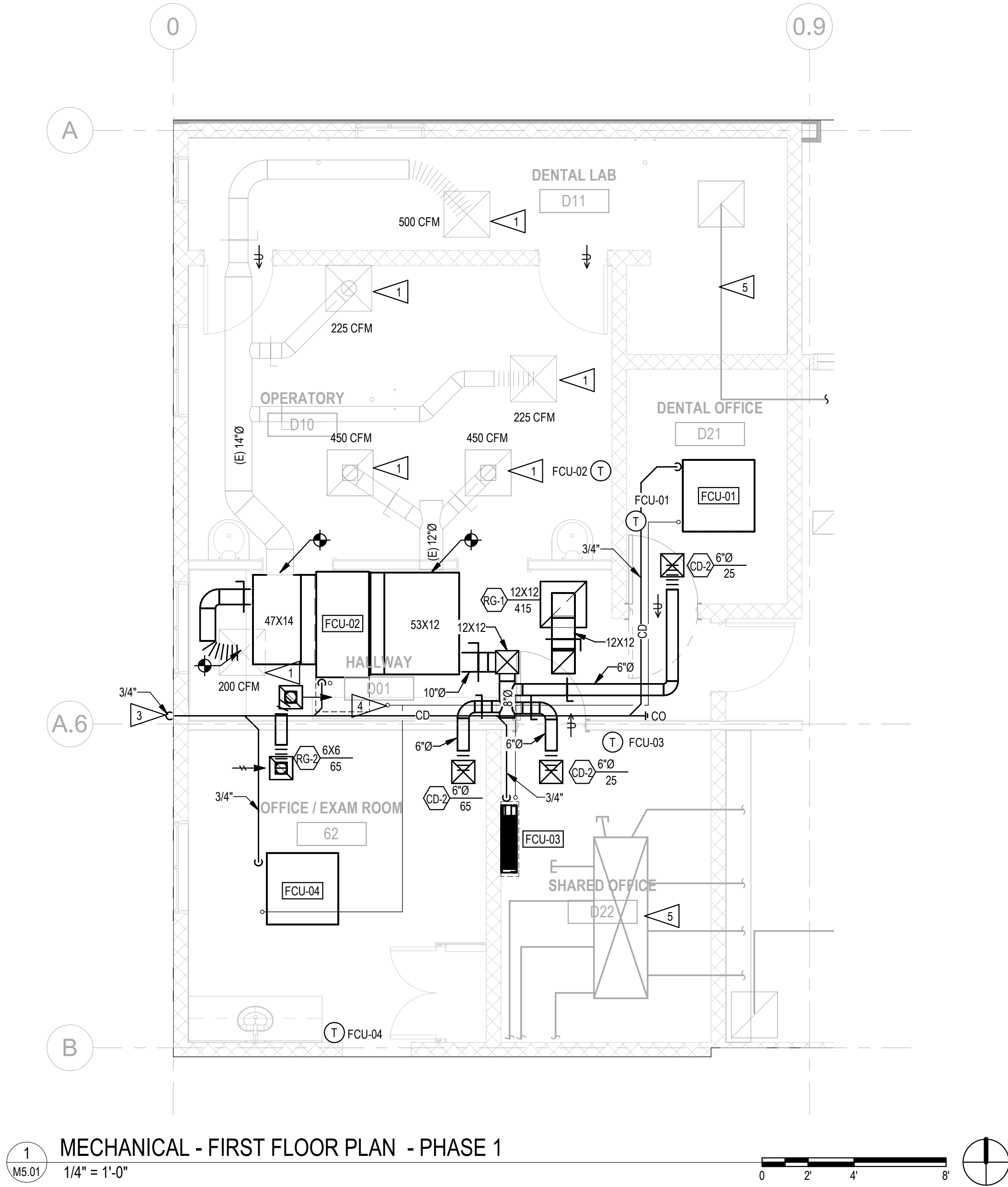
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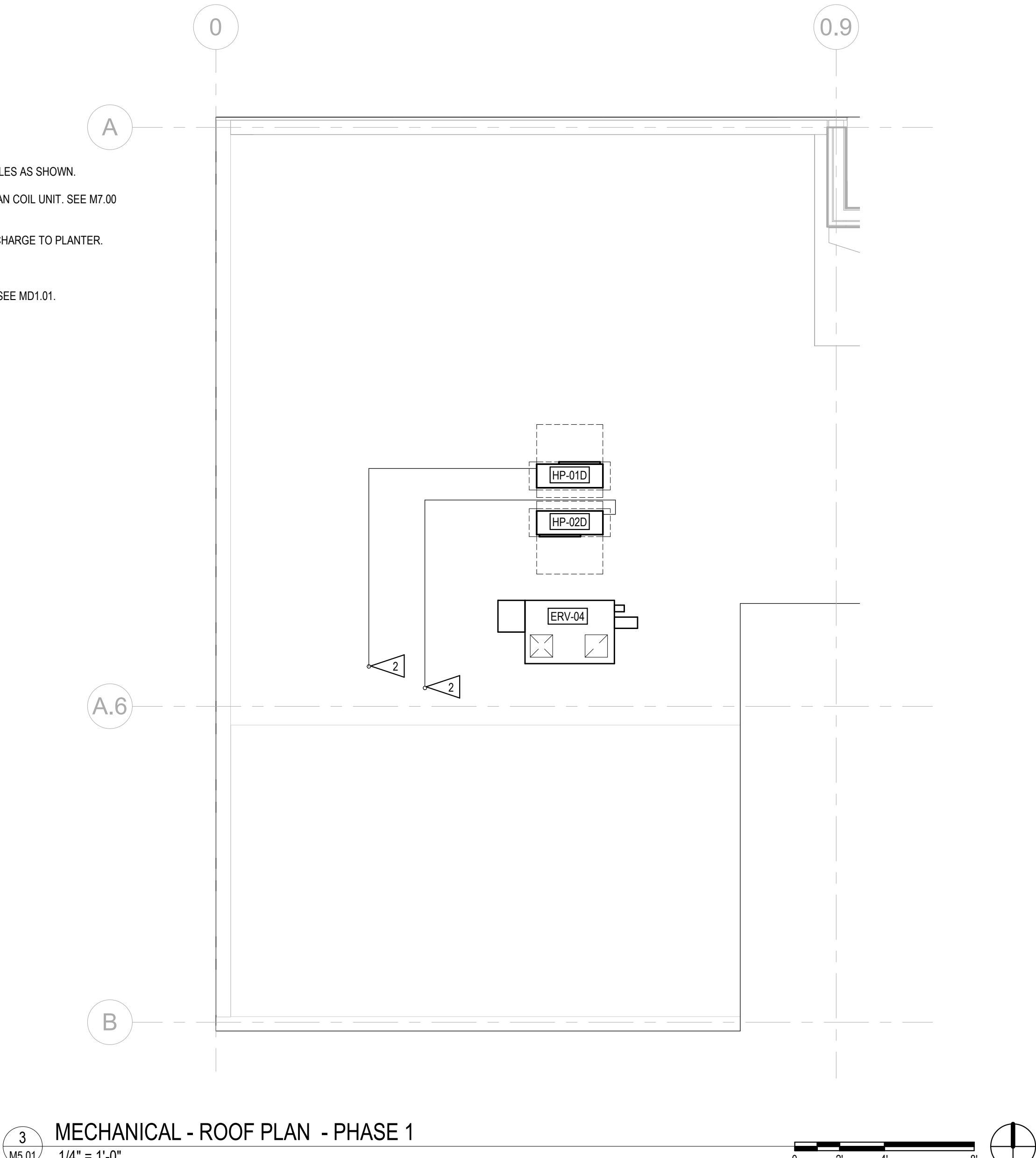
DEMO FLAG NOTES

1. EXISTING ROOFTOP UNIT, ASSOCIATED DUCTWORK, CONTROLS TO REMAIN AND OPERATIONAL DURING PHASE 1 CONSTRUCTION.
2. EXISTING DUCTWORK AND ASSOCIATED SUPPLY AND RETURN GRILLES ABOVE DENTAL SUITE TO REMAIN.
3. DEMOLISH EXISTING DUCTWORK AND CEILING GRILLES.
4. CAP EXISTING DUCTWORK.
5. EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK TO REMAIN DURING PHASE 1 CONSTRUCTION.



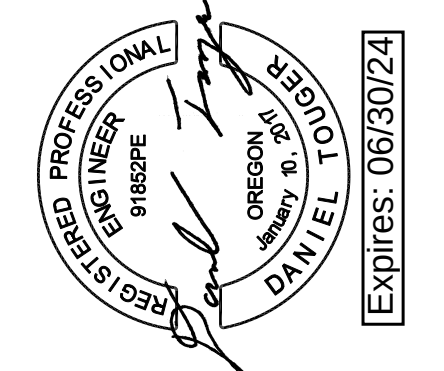
PHASE 1 FLAG NOTES

1. BALANCE AIR FLOW TO EXITING DIFFUSERS / GRILLES AS SHOWN.
2. REFRIGERANT LINE SET DOWN TO ASSOCIATED FAN COIL UNIT. SEE M7.00 DETAIL #6.
3. ROUTE CONDENSATE DRAIN PIPE DOWN AND DISCHARGE TO PLANTER.
4. REFRIGERANT LINE SET FROM HP-01D.
5. DUCTWORK TO BE DEMOLISHED IN FINAL PHASE. SEE MD1.01.

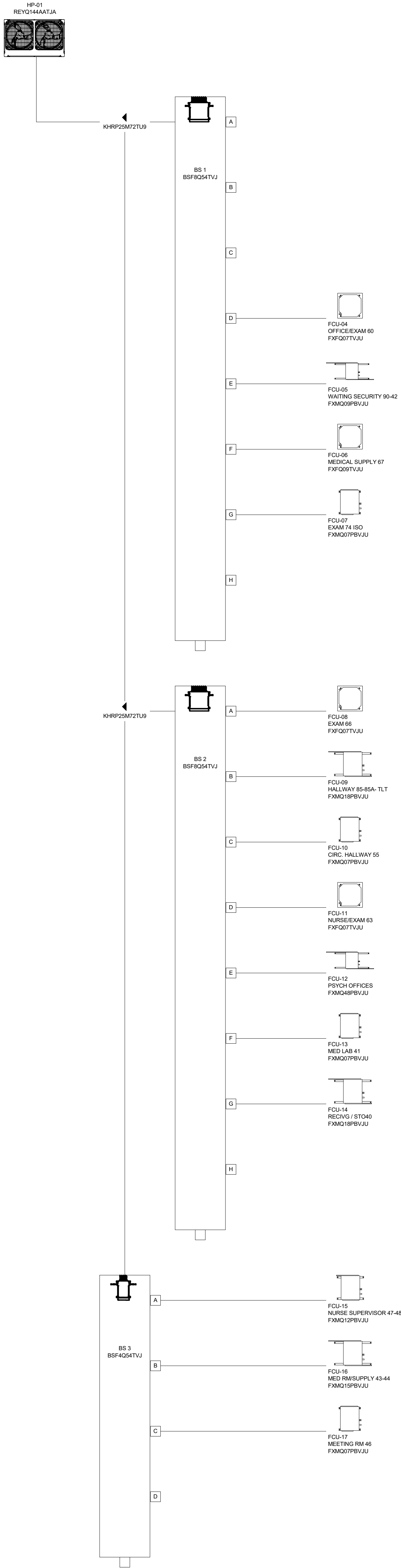


SHEET NOTES

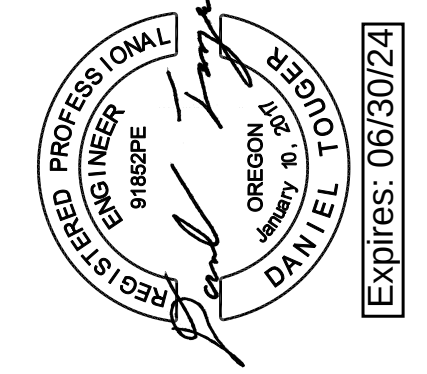
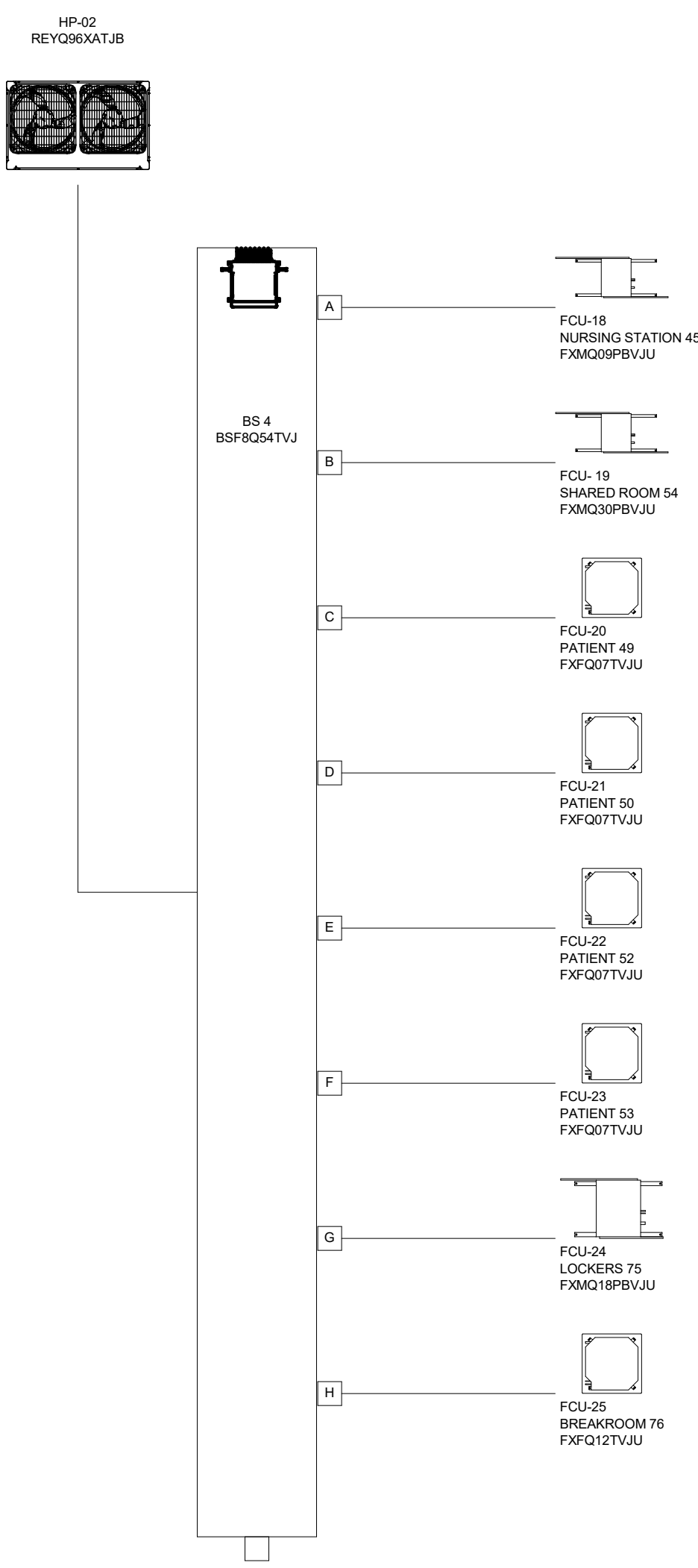
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- B. ALL DIFFUSERS, GRILLES AND REGISTERS TO BE PROVIDED WITH A BALANCING DAMPER.
- C. PENETRATION AT ALL RATED ASSEMBLIES TO BE PROPERLY SEALED.
- D. PROVIDE VOLUME DAMPERS IN EXISTING BRANCHES WHERE ONE DOES NOT ALREADY EXIST FOR BALANCING PURPOSES.

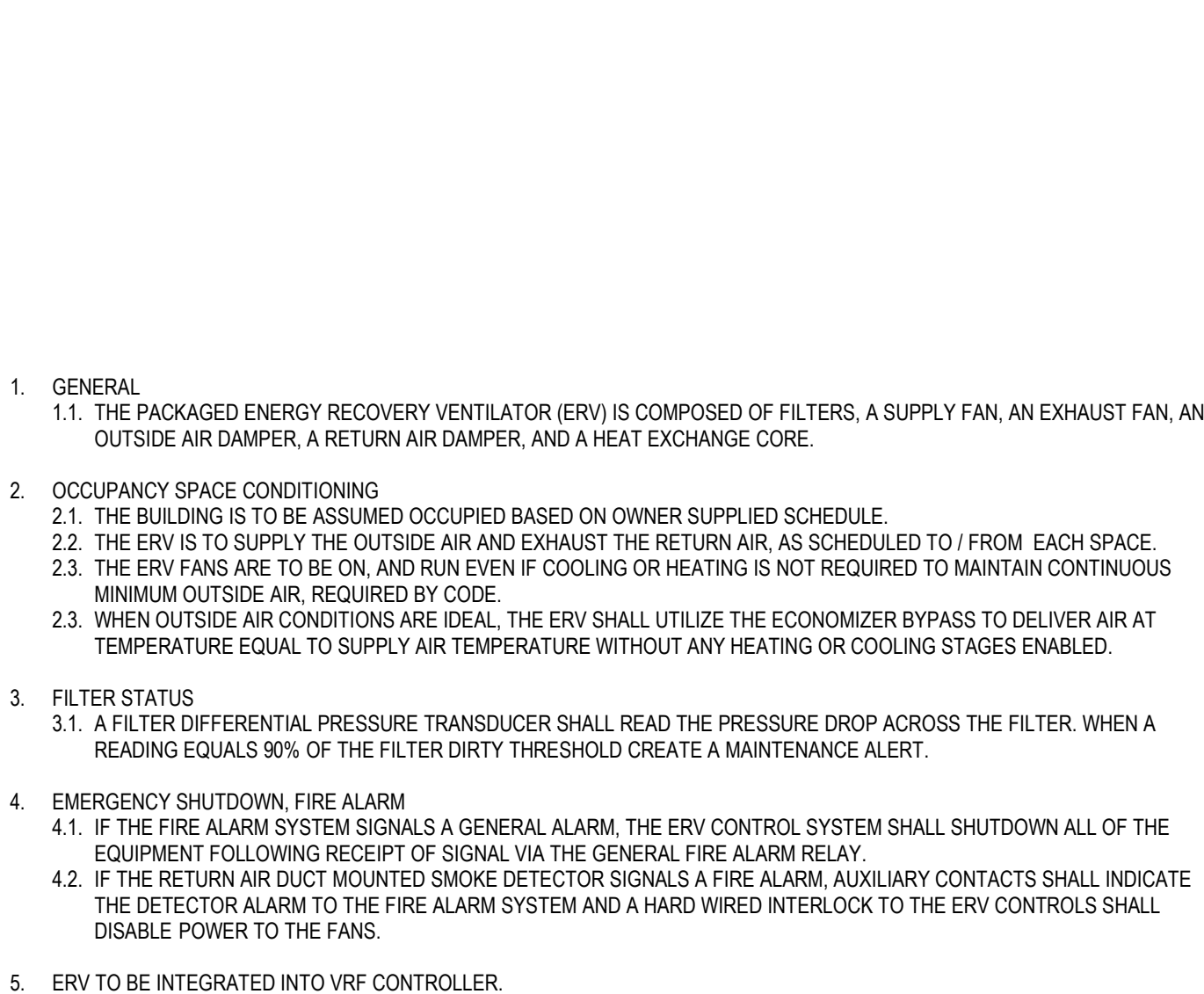


PIPING SCHEMATICS - HP-01 PIPING - AIR COOLED HEAT RECOVERY



PIPING SCHEMATICS - HP-02 PIPING - AIR COOLED HEAT RECOVERY





GENERAL NOTES

1. THE SCOPE OF THE PLUMBING WORK CONSISTS OF WORK SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS. IN CASE OF CONFLICT, THE SPECIFICATIONS SHALL GOVERN. PROVIDE A COMPLETE & FUNCTIONAL SYSTEM.
2. PERFORM ALL WORK IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND PAY FOR ALL FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION. PAY ALL ROYALTIES OR FEES REQUIRED IN CONNECTION WITH THE USE OF PATENTED DEVICES AND SYSTEMS.
3. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS. LOCATE DEVICES SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WAINSCOT, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).
4. COORDINATE WITH OTHER TRADES:
 - A. REFER TO ELECTRICAL DRAWINGS AND CONFIRM ELECTRICAL CHARACTERISTICS SHOWN FOR MECHANICAL EQUIPMENT (VOLTAGE, PHASE, HZ, ETC.) MATCHES THAT OF THE MECHANICAL EQUIPMENT PROVIDED.
 - B. PROVIDE ADEQUATE CLEARANCE OF PLUMBING WORK FROM ELECTRICAL EQUIPMENT. MAINTAIN MINIMUM ACCESS OF 6-INCHES ABOVE CABLE TRAYS AND 18-INCHES TO THE SIDE OF CABLE TRAYS. CLEARANCE ABOVE CABLE TRAY SHOULD BE 1/2 THE WIDTH AND NOT LESS THAN 6-INCHES WHEN RUNNING PARALLEL WITH CABLE TRAY. AND NOT LESS THAN 6-INCHES WHEN RUNNING PERPENDICULAR TO THE CABLE TRAY.
5. ARRANGE EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES, OR RECOMMENDED BY MANUFACTURER ARE PROVIDED.
6. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTED SUBMITTALS. INSTALL MATERIAL IN PROPER RELATION TO ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK.
7. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE PLUMBING WORK.
8. THE COMMISSIONING SPECIFICATION, INCLUDING ALL FUNCTIONAL TEST PROCEDURES, SHALL BE PROVIDED AND ENFORCED BY THE CONTRACTOR.
9. PROVIDE SEISMIC RESTRAINT IN ACCORDANCE WITH OSS C AND ASCE STANDARD 7. SUBMIT CALCULATIONS BY LICENSED STRUCTURAL ENGINEER. PRODUCTS MAY CONFORM TO SMACNA SEISMIC RESTRAINT GUIDELINES.
10. PROVIDE A SINGLE SUBMITTAL OF ALL PLUMBING EQUIPMENT AS SPECIFIED. AS A MINIMUM, SUBMIT PRODUCT DATA FOR ALL EQUIPMENT AND FIXTURES LISTED IN ACCOMPANYING SCHEDULES FOR APPROVAL.
11. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12. ARRANGEMENT OF SYSTEMS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC, AND INDICATES THE MINIMUM REQUIREMENTS FOR PLUMBING WORK. TAKE FIELD MEASUREMENTS BEFORE PREPARING SHOP DRAWINGS. OBTAIN APPROVAL OF SHOP DRAWINGS BEFORE BEGINNING FABRICATION. BE RESPONSIBLE FOR ACCURACY OF DIMENSIONS AND LAYOUT. OVERHEAD PIPING SHALL BE ARRANGED TO OBTAIN MAXIMUM HEAD ROOM.
13. CLEAN AND PROTECT WORK FROM DAMAGE. RESTORE DAMAGED FINISHES. COVER ENDS OF PIPING NOT ACTIVELY BEING WORKED ON.
14. MODIFY AND EXTEND EXISTING SERVICE TO ACCOMMODATE NEW WORK. RELOCATE EXISTING COMPONENTS AS REQUIRED FOR NEW SYSTEM. COORDINATE WITH BUILDING MANAGEMENT.
15. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
16. DO NOT CUT STRUCTURAL ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL.
17. CONCEAL PIPING TO THE GREATEST EXTENT POSSIBLE.
18. INSTRUCT OWNER IN PROPER OPERATION OF SYSTEMS.
19. DRAWINGS DO NOT SHOW ALL OFFSETS WHICH MAY BE REQUIRED. MAKE OFFSETS WITH FITTINGS USING THE LEAST ANGLE OF OFFSET POSSIBLE. PIPING SHALL BE ROUTED TO AVOID ALL STRUCTURAL SUPPORTS, AND COORDINATED WITH WORK OF OTHER TRADES.
20. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION:
 - INTERNATIONAL BUILDING CODE (IBC)
 - INTERNATIONAL MECHANICAL CODE (IMC)
 - UNIFORM PLUMBING CODE (UPC)
 - INTERNATIONAL FIRE CODE (IFC)
 - WASHINGTON STATE ENERGY CODE (WSEC) WITH LOCAL AMENDMENTS

REMODEL CONSTRUCTION NOTES

1. DEMOLITION: WORK REQUIRED IS NOTED ON PLANS. VERIFY WITH ON SITE CONDITION AND OWNER. SALVAGE EQUIPMENT FOR OWNERS USE AS NOTED.
2. COORDINATE INTERRUPTIONS OF SERVICES PASSING THROUGH WORK AREA TO MINIMIZE DISRUPTION IN ADJACENT SPACES. COORDINATE WITH BUILDING OWNER.
3. INST ALL NEW WORK GENERALLY AS SHOWN. ADEQUATE SPACE HAS BEEN VERIFIED TO THE DEGREE POSSIBLE, BUT MAY REQUIRE MINOR RELOCATION OF SMALL CONDUIT AND CEILING WIRE. COORDINATE EXTENT OF RELOCATION WITH GENERAL CONSTRUCTION WORK.
4. COORDINATE WORK WITH GENERAL CONSTRUCTION TO MINIMIZE DUST & DUST MIGRATION.

PIPING NOTES

1. SANITARY, WASTE, AND VENT PIPING (PLASTIC NOT ALLOWED) SHALL BE NO-HUB CAST IRON OR DWV COPPER.
2. HOT AND COLD WATER PIPING SHALL BE HARD DRAWN COPPER TUBING. TYPE L, ASSEMBLED WITH WROT COPPER FITTINGS AND LEAD-AND ANTIMONY-FREE SOLDER.
3. INSULATE ALL HOT AND COLD WATER PIPING WITH GLASS FIBER INSULATION WITH ALL SERVICE JACKET. USE HEAT BONDING TAPE TO CLOSE INSULATION; STAPLES AND PRESSURE TAPE ARE PROHIBITED.
4. PROVIDE ALL REQUIRED ACCESSORIES INCLUDING SHUT-OFFS AND CLEAN-OUTS. PROVIDE COMPONENTS WHICH PREVENT BACK-SIPHONAGE OR CROSS-CONNECTIONS. PROVIDE ISOLATION DEVICES TO REDUCE SOUND TRANSMISSION.
5. PROVIDE STOPS FOR EACH WATER CONNECTION TO EACH FIXTURE OR ITEM OF EQUIPMENT.
6. DISINFECT WATER DISTRIBUTION SYSTEM. FLUSH AND TEST ALL SYSTEMS FOR PROPER OPERATION. ADJUST SYSTEM TO PREVENT WATER HAMMER.
7. REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.
8. REFER TO CIVIL DRAWINGS FOR UTILITY WORK 5'-0" BEYOND THE BUILDING LINE.

ABBREVIATIONS

A	AIR	ID	INDIRECT DRAIN
AFF	ABOVE FINISHED FLOOR ARRANGEMENT	IE	INVERT ELEVATION
ARRGRT	ARRANGEMENT	IN	INCH
ATM	ATMOSPHERE	INT	INITIAL
		INT	INTERIOR
BFF	BELOW FINISHED FLOOR		
BFP	BACKFLOW PREVENTER	KW	KILOWATT
BHP	BRAKE HORSEPOWER	KWH	KILOWATT HOURS
BLDG	BUILDING		
BOB	BOTTOM OF BEAM	L	LENGTH
BOS	BOTTOM OF STEEL	LB	POUND, LINEAR BAR
BTUH	BRITISH THERMAL UNITS PER HOUR	LBS	POUNDS
		LWT	LEAVING WATER TEMPERATURE
CAP	CAPACITY		
CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM
CJ	CAST IRON	MBH	THOUSAND BTU PER HOUR
CLG	CEILING, COOLING	MCA	MINIMUM CIRCUIT AMPACITY
ONTFGL	CENTRIFUGAL	MECH	MECHANICAL
C2	CLEANOUT	MFR	MANUFACTURER
CONC	CONCRETE	MIN	MINIMUM
COND	CONDENSATE	MTR	MOTOR
CONT	CONTINUE, CONTROL		
COMP	COMPRESSOR	NC	NORMALLY CLOSED
CP	CIRCULATING PUMP	NEG	NEGATIVE
CTS	CLEANOUT TO GRADE	NIC	NOT IN CONTRACT
CU FT	CUBIC FEET	NO	NUMBER, NORMALLY OPEN
CV	CONSTANT VOLUME	NTS	NOT TO SCALE
CW	COLD WATER		
		OC	ON CENTER
db	DECIBELS	OD	OUTSIDE DIAMETER
DCVA	DOUBLE CHECK VALVE ASSEMBLY	OPNG	OPENING
DEG	DEGREE	ORD	OVERFLOW ROOF DRAIN
DF	DRINKING FOUNTAIN	ORL	OVERFLOW RAIN LEADER
DI	DE-IONIZED		
DIA	DIAMETER	P	PUMP, PLUMBING
DN	DOWN	PH	PHASE
DS	DOWNSPOUT	POC	POINT OF CONNECTION
		POS	POSITIVE
E	EXISTING	PIT	PRESSURE/TEMPERATURE
EER	ENERGY EFFICIENCY RATING	PVC	POLYVINYL CHLORIDE
EFF	EFFICIENCY		
EL	ELEVATION	QTY	QUANTITY
EQUIP	EQUIPMENT		
ESP	EXTERNAL STATIC PRESSURE	RD	ROOF DRAIN
EWT	ENTERING WATER TEMPERATURE	REF	REFERENCE
EXH	EXHAUST	REQD	REQUIRED
EWX	ELECTRIC WATER COOLER	RL	RAIN LEADER
EXIST	EXISTING	RBPFP	REDUCED PRESSURE BACKFLOW PREVENTER
EXP	EXPANSION	RPM	REVOLUTIONS PER MINUTE
EXT	EXTERIOR, EXTERNAL		
F	FAHRENHEIT, FIRE LINE	S	SOIL
FD	FIRE DAMPER, FLOOR DRAIN	SD	STORM DRAIN, SMOKE DAMPER
FDC	FIRE DEPARTMENT CONNECTION	SPR	SPRINKLER
FLA	FULL LOAD AMPS	SS	STAINLESS STEEL, SANITARY SEWER
FLR	FLOOR	STP	STANDPIPE
FLTR	FILTER		
FM	FLOW METER	TEMP	TEMPERATURE
FRM	FEET PER MINUTE	TOT	TOTAL
FPS	FEET PER SECOND	TP	TRAP PRIMER, TOTAL PRESSURE
FT	FEET	TYP	TYPICAL
FV	FACE VELOCITY	UON	UNLESS OTHERWISE NOTED
GA	GAGE	V	VENT, VOLT
GAL	GALLONS	VAL	VALVE
GALV	GALVANIZED	VEL	VELOCITY
GPM	GALLONS PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
		VTR	VENT THROUGH ROOF
HB	HOSE BIBB		
HD	HEAD	W	WASTE, WATER, WATT, WIDTH
HEX	HEAT EXCHANGE	WG	WATER GAGE
HOA	HAND-OFF-AUTOMATIC	WH	WATER HEATER, WALL HYDRANT
HP	HORSEPOWER, HEAT PUMP	WTR	WATER
HW	HOT WATER		
HWC	HOT WATER CIRCULATING		
HWP	HOT WATER PUMP		
HZ	HERTZ		

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (HATCH)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	STEAM TRAP ASSEMBLY FIT = FLOAT AND THERMOSTATIC F = FLOAT T = THERMOSTATIC B = BUCKET IB = INVERTED BUCKET I = IMPULSE O = ORIFICE
	PIPE ANCHOR
	PIPE ALIGNMENT GUIDE
	CONTROL VALVE STATION
	PIPE SUPPORT
	PRESSURE/TEMPERATURE TEST PORT
	CAP
	PLUG
	UNION
	WYE STRAINER
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BALANCING OR PLUG VALVE
	NEEDLE VALVE
	PRESSURE REDUCING VALVE
	BALANCING/MEASURING VALVE
	RELIEF VALVE
	CHECK VALVE
	PIPE TURNING DOWN / AWAY
	PIPE TURNING UP / TOWARDS
	PIPE DOWN TEE / AWAY
	PIPE UP TEE / TOWARDS

SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	SOIL OR WASTE
	VENT
	RAIN LEADER
	OVERFLOW RAIN LEADER
	INDIRECT DRAIN
	COLD WATER
	HOT WATER
	HOT WATER CIRCULATING
	140° POTABLE HOT WATER
	120° POTABLE HOT WATER
	FIRE
	SPRINKLER
	STANDPIPE
	HIGH PRESSURE STEAM
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	REDUCER, CONCENTRIC
	WYE STRAINER WITH CAPPED HOSE AND BLOWDOWN VALVE
	ANGLE VALVE
	AUTOMATIC CONTROL VALVE - TWO WAY (PNEUMATIC OPERATOR SHOWN)
	AUTOMATIC CONTROL VALVE - THREE WAY (ELECTRIC OPERATOR SHOWN)
	BUTTERFLY VALVE
	FLEXIBLE CONNECTION IN PIPING
	MANUAL AIR VENT (MAV), AUTOMATIC AIR VENT (AAV)
	PRESSURE GAUGE
	THERMOMETER
	THERMOMETER WELL
	SIGHT GLASS
	HOSE BIB

SYMBOLS LEGEND - PIPING & AIRFLOW DIAGRAMS	
SYMBOL	DESCRIPTION
	PIPING OR DUCTED AIRFLOW
	NON-DUCTED AIRFLOW
	ELECTRICAL CONNECTION
	FLOW CONTINUATION ARROW
	COMPLEX INTERLOCK (ELEC., PNEUMATIC, ETC.)
	CONNECTION TO CENTRAL MONITORING AND CONTROL SYSTEM (CMCS)
	PUMP
	CENTRIFUGAL FAN
	ELECTRIC MOTOR/STARTER ASSEMBLY
	ELECTRIC MOTOR OPERATOR (VALVES AND DAMPERS)
	FLOOR DRAIN
	FUNNEL DRAIN
	FLOOR SINK (SQUARE AND ROUND)
	FLOW DIRECTION

PLUMBING SHEET INDEX	
P0.00	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
P2.00	PLUMBING SCHEDULES
PD1.11	PLUMBING DEMOLITION - FIRST FLOOR PLAN - PATIENT AREA
PD1.12	PLUMBING DEMOLITION - FIRST FLOOR PLAN - STORAGE AREA
P3.01	PLUMBING - UNDERGROUND PLAN - PATIENT AREA
P3.02	PLUMBING - UNDERGROUND PLAN - STORAGE AREA
P3.11	PLUMBING WASTE & VENT - FIRST FLOOR PLAN - PATIENT AREA
P3.12	PLUMBING WASTE & VENT - FIRST FLOOR PLAN - STORAGE AREA
P4.11	PLUMBING DOMESTIC WATER - FIRST FLOOR PLAN - PATIENT AREA
P4.12	PLUMBING DOMESTIC WATER - FIRST FLOOR PLAN - STORAGE AREA
P7.00	PLUMBING DETAILS

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

P0.00

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY

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ISSUE DATE: 08.25.2023

REVISIONS:

CONSTRUCTION DOCUMENTS

SÄZÄN
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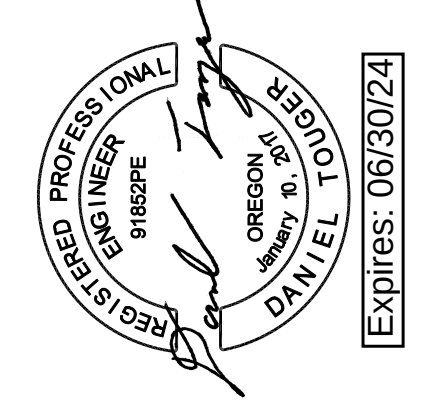
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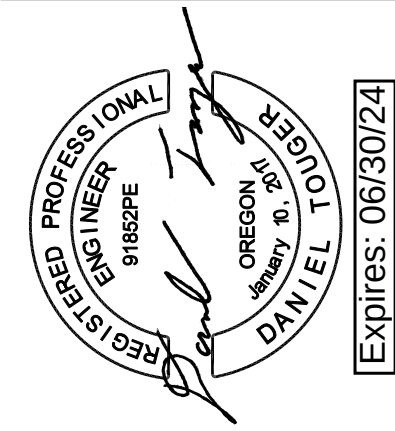
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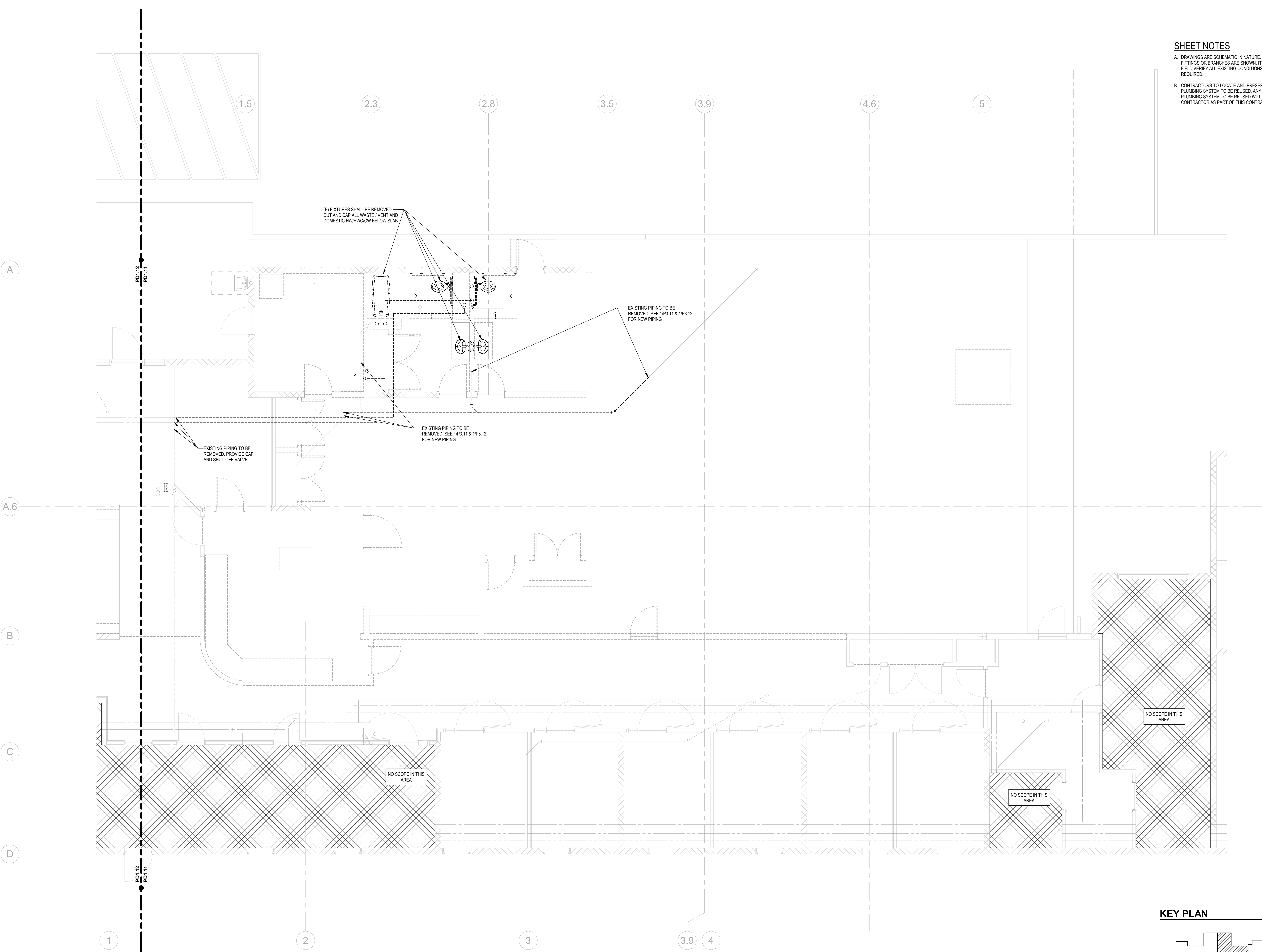


GAS WATER HEATER SCHEDULE																		
EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	TANK DESCRIPTION	GAS TYPE NATURAL / PROPANE	INPUT MBH	TEMP RISE DEG F	RECOVERY RATE GPH	LWT DEG F	GAS CONNECTION SIZE IN	FLUE DIAMETER IN	ELECTRICAL		DIMENSIONS W X HEIGHT X DEPTH IN	THERMAL EFFICIENCY	OPERATING WEIGHT LBS	REMARKS
													FLA	VPH/Hz				
GWH-01	MECHANICAL ROOM	GENERAL BUILDING	AO SMITH	8TH-120	60	NATURAL GAS	120	100	239	140	3/4"	4"	4	120/60/1	18.5 X 31.3 X 11.45	96%	1,700	1, 2, 3
REMARKS:																		
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																		
2. WATER HEATERS SHALL BE NSF 61 COMPLIANT.																		
3. PROVIDE CONCENTRIC VENT KIT PER MANUFACTURER'S RECOMMENDATIONS.																		

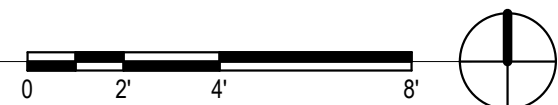
PUMP SCHEDULE												
EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	TYPE	CONNECTION SIZE (IN)	GPM	FT HD	HP	WEIGHT (LBS)		REMARKS
										FLA	V/PH/Hz	
ET-1	EXPANSION TANK	BUILDING WATER SYSTEM	AMTROL	ST-30VC-DD	ASME DIAPHRAGM	3/4"	-	-	-	-	22	16.5 GAL VOL, 11.22 GAL ACCEPTANCE,150 PSI RATING, 15" X 25", NO VALVE BETWEEN TANK AND COLD WATER PIPING.
HWCP-1	HOT WATER CIRCULATION PUMP	HOT WATER	GRUNDFOS	ALPHA1	CIRCULATOR	1 1/2"	0 - 22	0 - 18	5 - 45 WATTS	0.65	120/160	PROVIDE STAINLESS STEEL PUMP HOUSING
REMARKS:												
1. PROVIDE EACH WATER HEATER WITH CONDENSATE NEUTRALIZING KIT.												

PLUMBING FIXTURE SCHEDULE												
MARK	DESCRIPTION	ROUGH-IN CONNECTION (IN)					REMARKS					
		W	V	CW	HW	TW						
FD-1	FLOOR DRAIN	2	2	--	--	--	ZURN MODEL #Z415B, CAST IRON BODY, 5" DIAMETER ADJUSTABLE NICKEL BRONZE STRAINER, PROVIDE WITH 1/2" TRAP PRIMER CONNECTION.					
L-1	LIGATURE RESISTANT LAVATORY	2	2	1/2	1/2	--	ACORN DURA-WARE 1993-9-H1-GT-TE ADA COMPLIANT, 18" 16 GA STAINLESS STEEL LAVATORY WITH SINGLE HOLE PUNCHING, AND TRAP ENCLOSURE. CHICAGO FAUCETS ELR-E12A-42ABCP. MCGUIRE STOPS, SUPPLIES, TRAP. PROVIDE VANDAL RESISTANT BOLTS WHEN MOUNTING SINK AND TRAP/ANGLE STOPS COVER. PROVIDE ONE COMMANDER UNIT.					
S-1	SINK	2	2	1/2	1/2	--	CORIAN 805P (15"x17"x8 1/2"), DECK MOUNT FAUCET. FAUCET: CHICAGO FAUCETS Z831B4-XL-P-3F; 5-3/8 GOOSENECK, 4" WRIST BLADE. MCGUIRE STOPS, SUPPLIES, TRAP. PROVIDE ADA WRAP FOR STOPS, SUPPLIES, TRAP.					
S-2	SINK, BREAK ROOM	2	2	1/2	1/2	--	ELKAY HD08332293 (33"x22"x9"), 8-INCH CENTER-CENTER HOLES FOR FAUCET. FAUCET: CHICAGO FAUCETS Z831B4-XL-P-3F; 5-3/8 GOOSENECK, 4" WRIST BLADE. MCGUIRE STOPS, SUPPLIES, TRAP. PROVIDE ADA WRAP FOR STOPS, SUPPLIES, TRAP. PROVIDE WITH TMV-1					
S-3	SINK, WALL MOUNTED	2	2	1/2	1/2	--	AMERICAN STANDARD LUCERNE MODEL #0355, 20" X 18" VITREOUS CHINA WALL HUNG LAVATORY WITH 4" CENTER FAUCET HOLE. PROVIDED WITH HANGER PLATE AND HOLES FOR CONCEALED ARM CARRIER SYSTEMS. MODEL #Z8746-PC ADA GRID STRAINER, MODEL #Z8700 SERIES P-TRAP. MODEL #Z2800 SERIES STOP WITH FLEXIBLE SUPPLIES, MODEL #Z2846-3-NT ADA TRAP, STOP, AND SUPPLY PROTECTORS FOR OFFSET GRID STRAINER....					
SH-1	SHOWER	3	2	1/2	1/2	--	ACORN 1741-ADA-FA-04-M-MA2-8-F-FH-PBH					
TMV-1	THERMOSTATIC MIXING VALVE	--	--	1/2	1/2	1/2	WATTS HYDROGUARD SERIES LFLM495-2, SWEAT UNION CONNECTIONS, INTEGRAL CHECKS AND SCREENS.					
TPV-1	TRAP PRIMER	--	--	1/2	--	--	PRECISION PLUMBING PRODUCT MODEL PR-600. PRIME DRAINS USING DU-4/DU-U DISTRIBUTION SYSTEM.					
WC-2	WATER CLOSET, FLOOR MOUNTED, FLUS.	4	2	1	--	--	ACORN PENAL-WARE SIPHON JET FLOOR OUTLET TOILET 1695-W-3, WITH STAINLESS STEEL ACCESS PANEL FOR FLUSH VALVE ACCESS.					
REMARKS:												
1. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.												

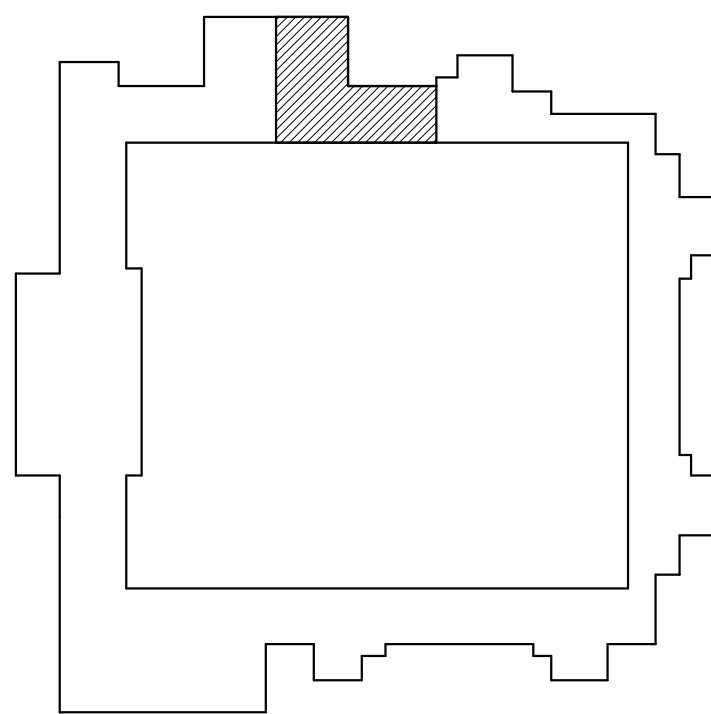




1 PLUMBING DEMOLITION - FIRST FLOOR PLAN - PATIENT AREA
1/4" = 1'-0"



KEY PLAN



SHEET NOTES

- A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EXISTING FIXTURES, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.
- B. CONTRACTORS TO LOCATE AND PRESERVE ALL PORTIONS OF THE EXISTING PLUMBING SYSTEM TO BE REUSED. ANY EXISTING DAMAGE TO THE EXISTING PLUMBING SYSTEM TO BE REUSED WILL BE REPLACED / REPAIRED BY THE CONTRACTOR AS PART OF THIS CONTRACT.

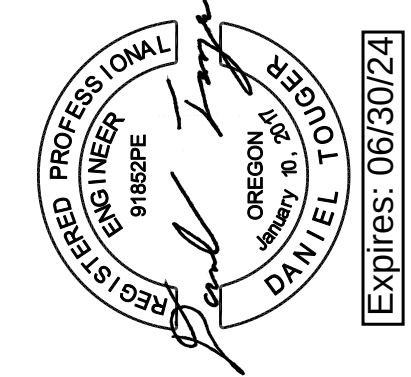
PLUMBING DEMOLITION
- FIRST FLOOR PLAN -
PATIENT AREA

PD1.11



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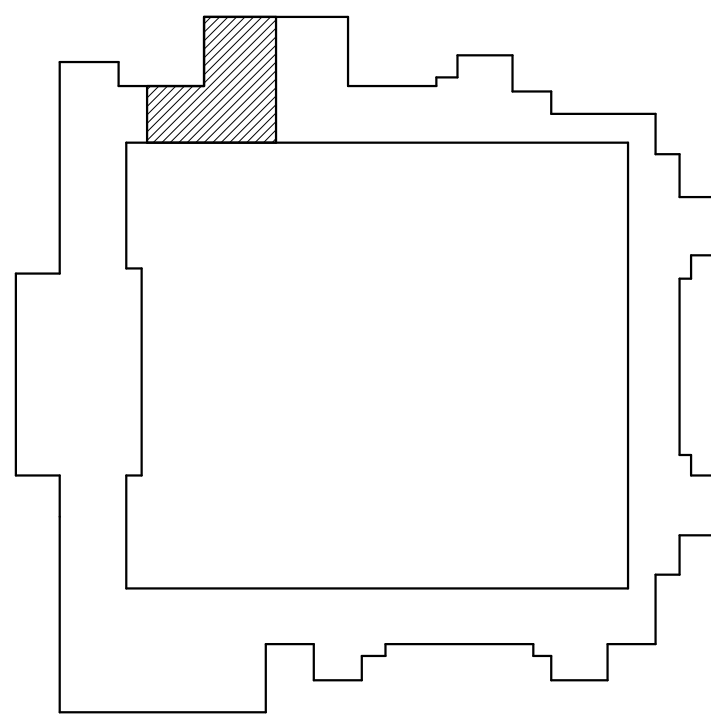
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1 PD1.12 PLUMBING DEMOLITION - FIRST FLOOR PLAN - STORAGE AREA
1/4" = 1'-0"

KEY PLAN



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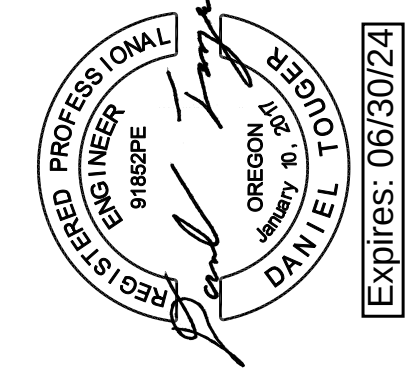
PLUMBING DEMOLITION
- FIRST FLOOR PLAN -
STORAGE AREA

PD1.12



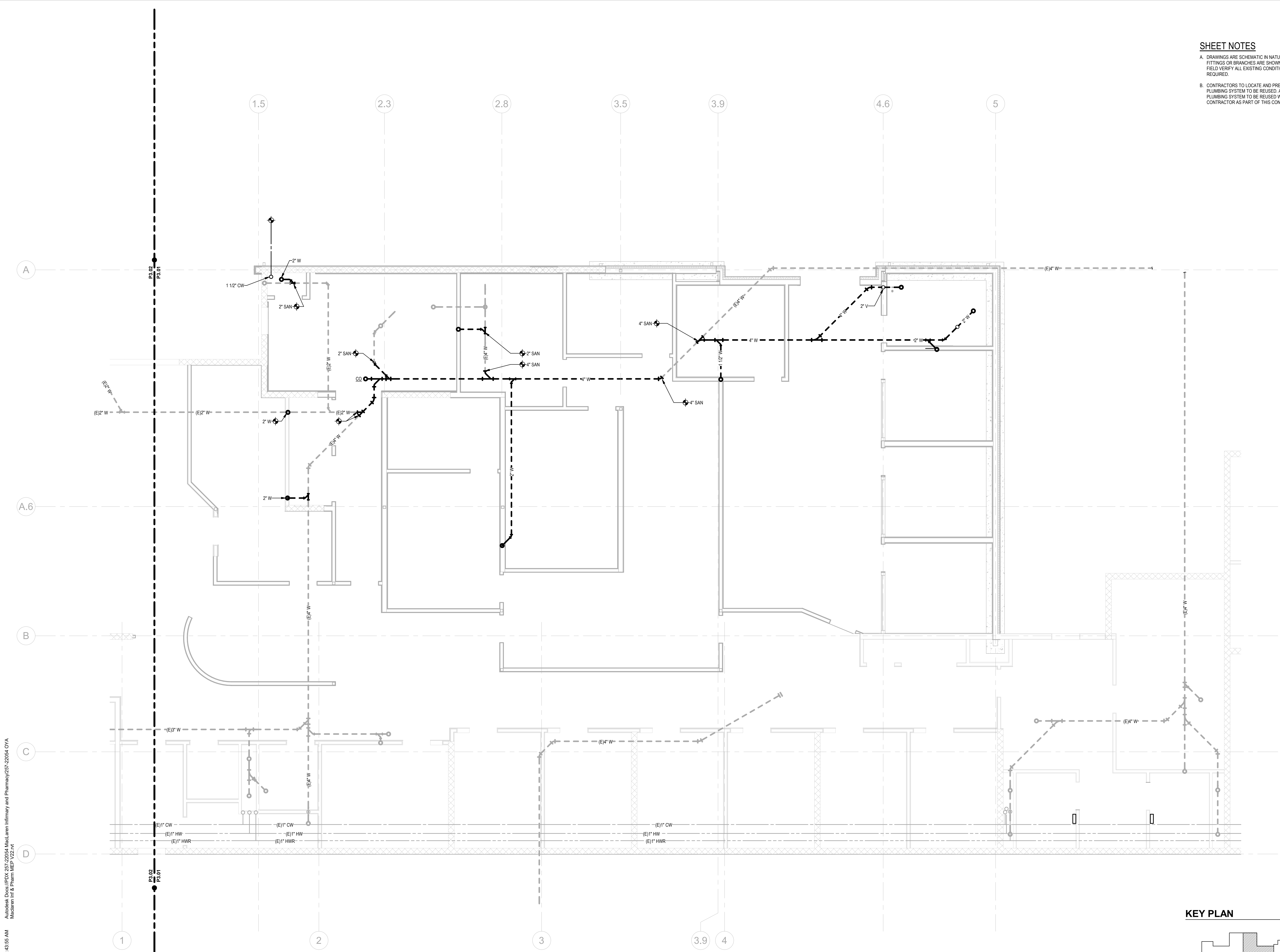
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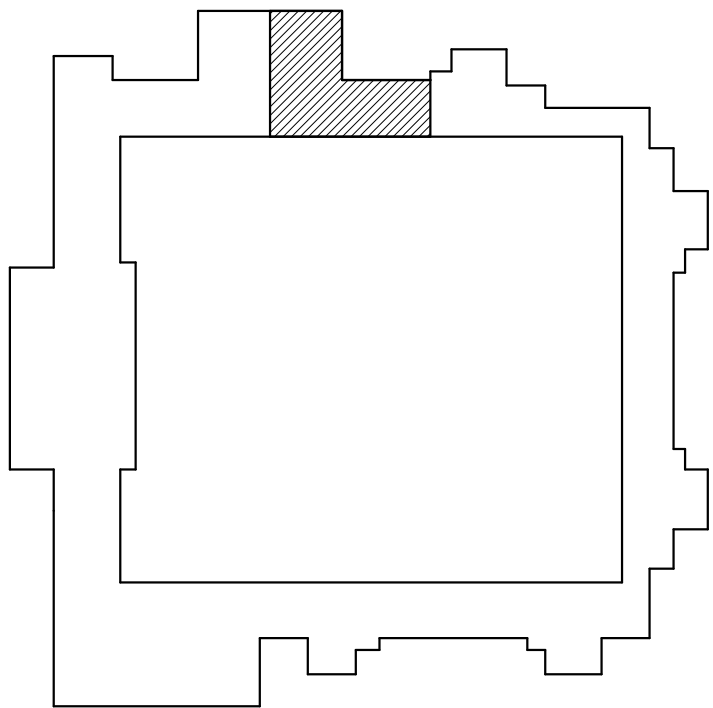


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- B. CONTRACTORS TO LOCATE AND PRESERVE ALL PORTIONS OF THE EXISTING PLUMBING SYSTEM TO BE REUSED. ANY EXISTING DAMAGE TO THE EXISTING PLUMBING SYSTEM TO BE REUSED WILL BE REPLACED / REPAIRED BY THE CONTRACTOR AS PART OF THIS CONTRACT.

1 PLUMBING WASTE & VENT - UNDERGROUND PLAN - OVERALL - PATIENT AREA
P3.01 1/4" = 1'-0"



KEY PLAN



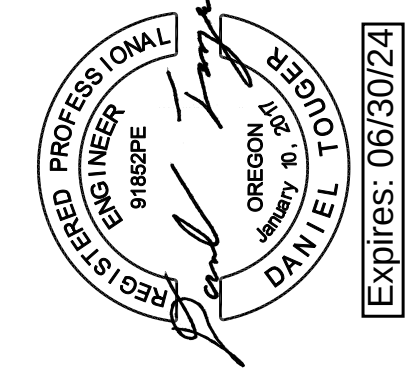
PLUMBING -
UNDERGROUND PLAN -
PATIENT AREA

P3.01



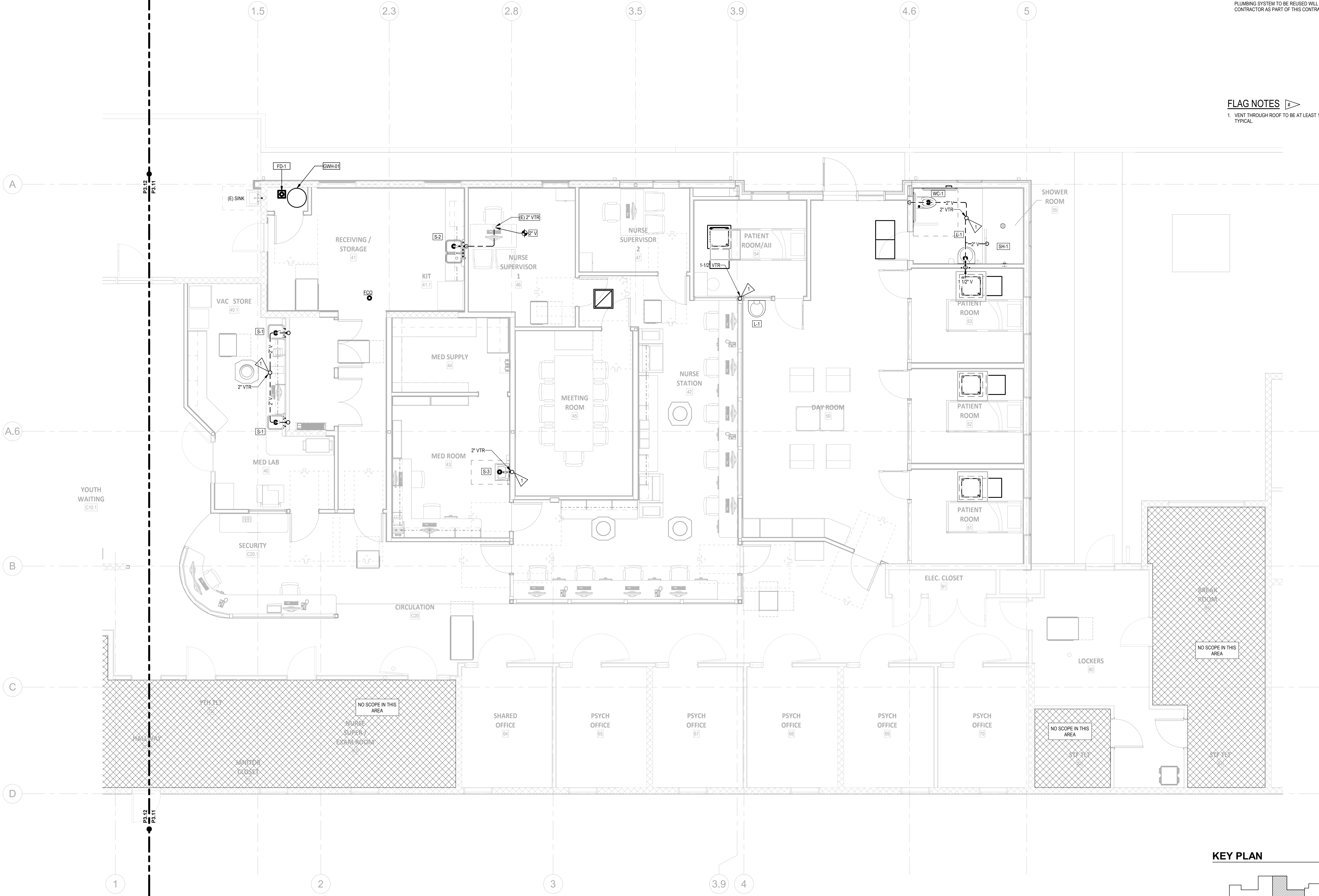
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RENOVATION**
OREGON YOUTH AUTHORITY
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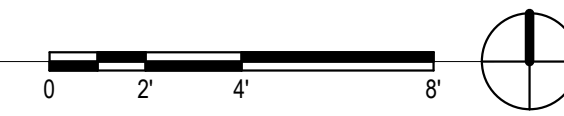


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SAZAN# 257-22054

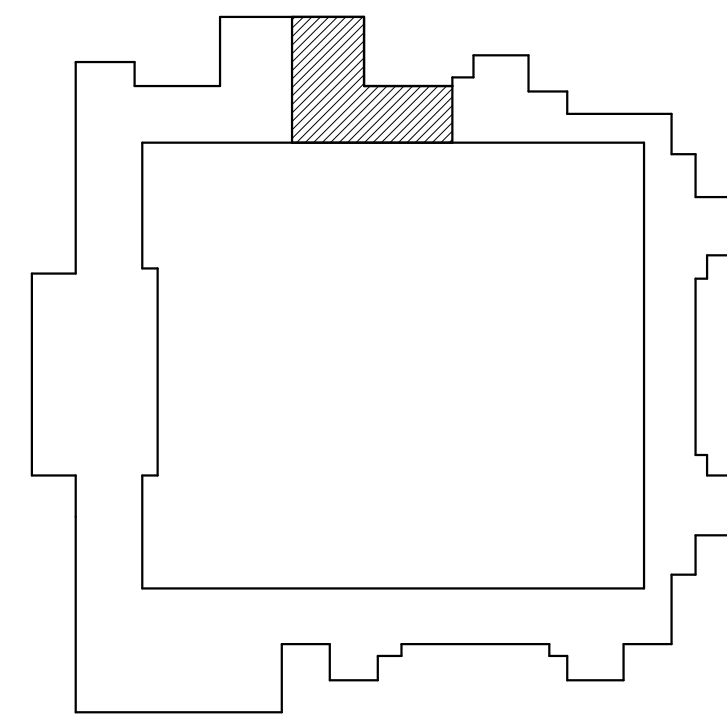
CLARK KJOSS ARCHITECTS, LLC
621 SW Alder St, Suite 700
Portland, OR 97205
Phone: 503/224-4848



1 PLUMBING WASTE & VENT - FIRST FLOOR PLAN - PATIENT AREA
1/4" = 1'-0"

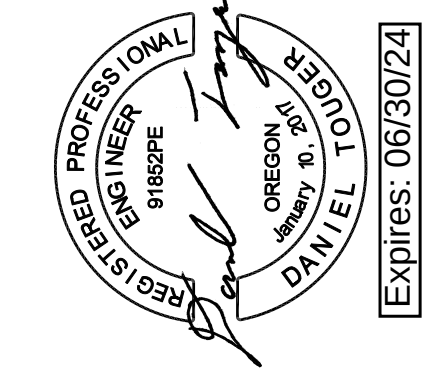


KEY PLAN



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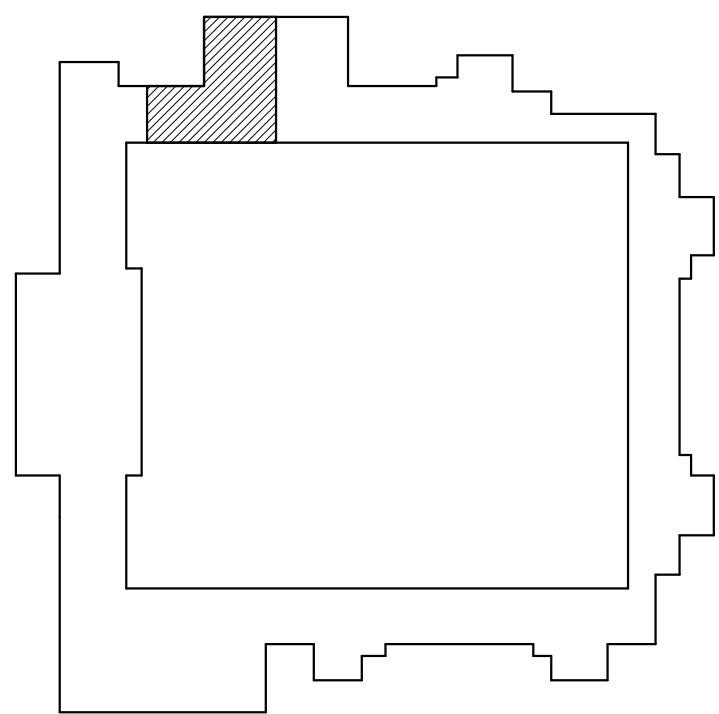
- FLAG NOTES**
1. VENT THROUGH ROOF TO BE AT LEAST 10'-0" AWAY FROM AIR INTAKE TYPICAL.





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KEY PLAN



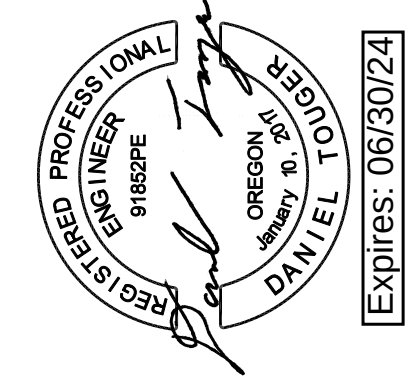
PLUMBING WASTE & VENT - FIRST FLOOR PLAN - STORAGE AREA

P3.12



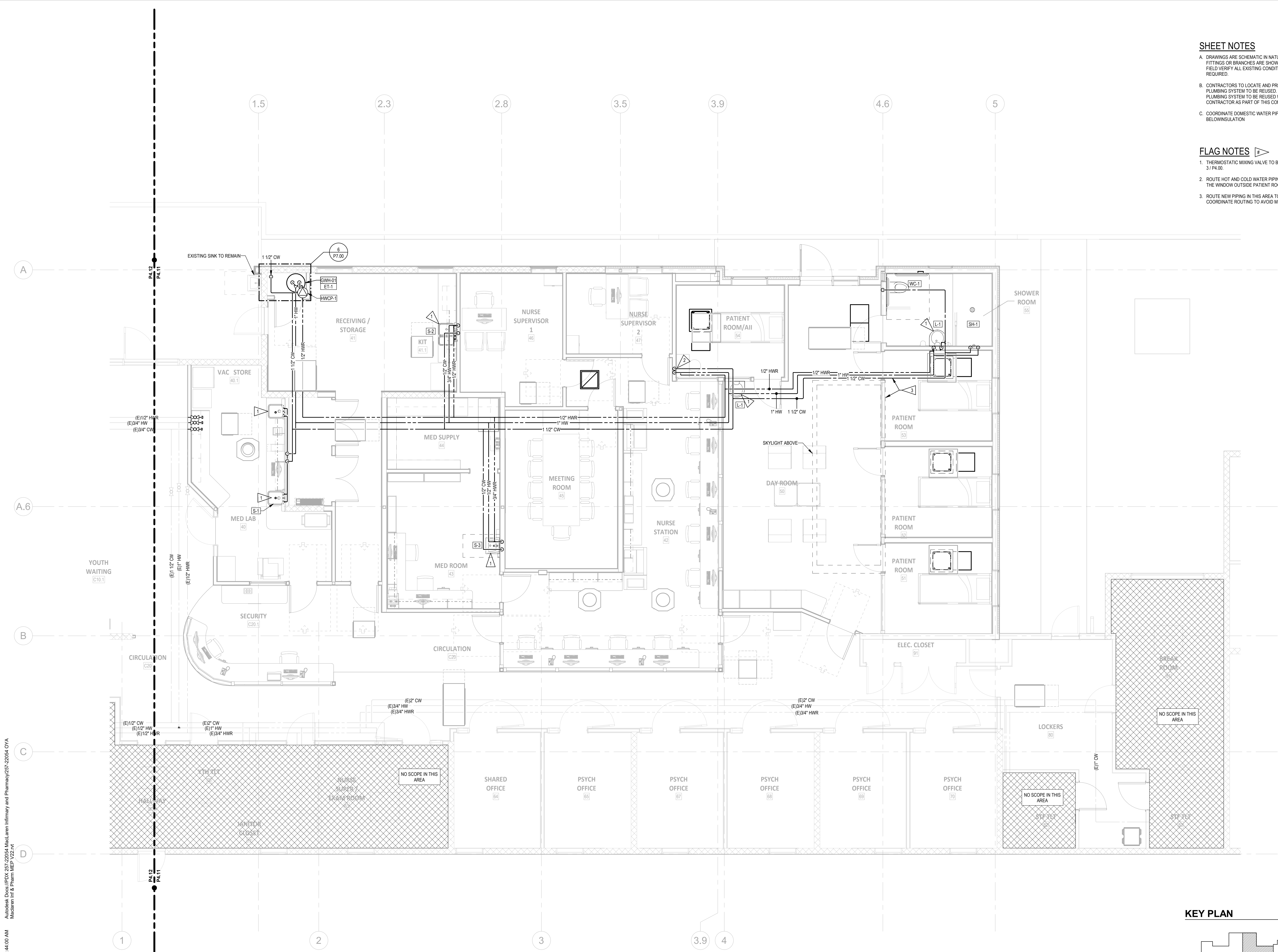
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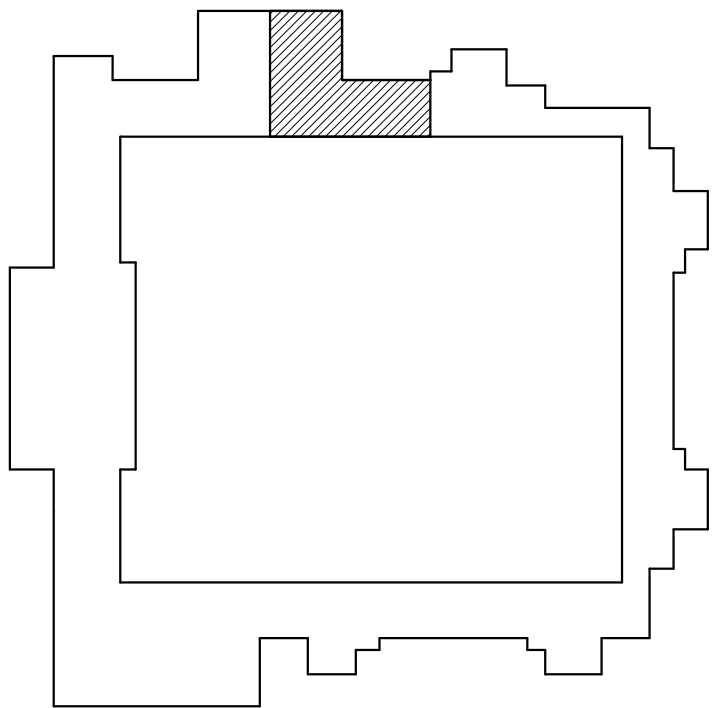
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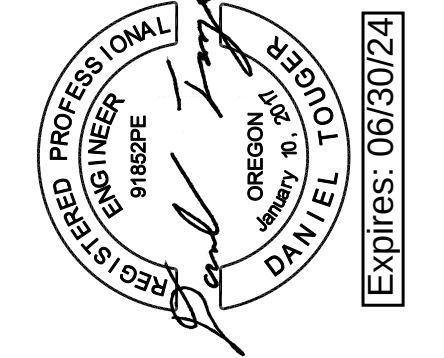
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- C. COORDINATE DOMESTIC WATER PIPE INSTALLATION SUCH THAT PIPE IS BELOW INSULATION

- FLAG NOTES**
1. THERMOSTATIC MIXING VALVE TO BE LOCATED AT EACH SINK. SEE DETAIL 3 / P4.00.
2. ROUTE HOT AND COLD WATER PIPING DOWN AND OVER TO SINK BELOW THE WINDOW OUTSIDE PATIENT ROOM 54.
3. ROUTE NEW PIPING IN THIS AREA TO AVOID SKYLIGHT AND BEAM ABOVE. COORDINATE ROUTING TO AVOID MECHANICAL.

KEY PLAN



1 PLUMBING DOMESTIC WATER - FIRST FLOOR PLAN - PATIENT AREA
P4.11 1/4" = 1'-0"





SHEET NOTES

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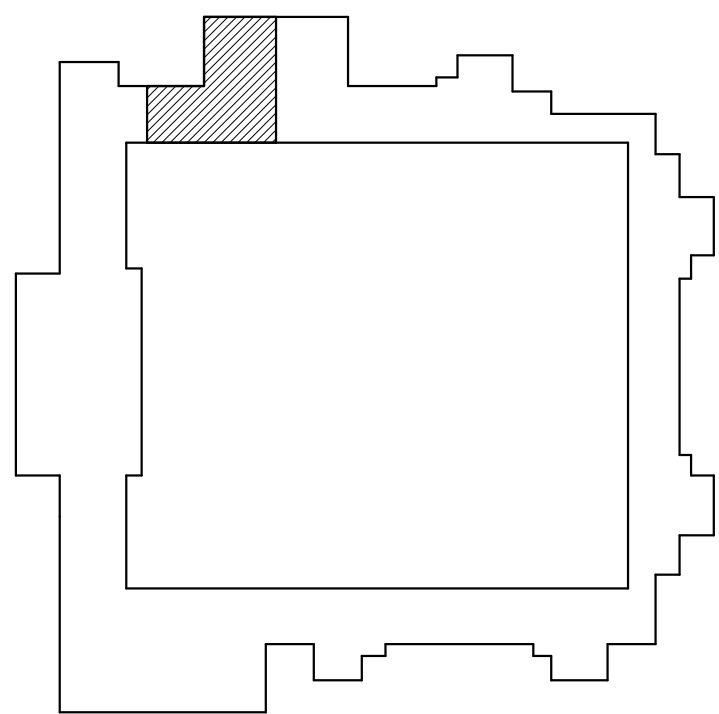
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FLAG NOTES

1. THERMOSTATIC MIXING VALVE TO BE LOCATED AT EACH SINK. SEE DETAIL 3/ P4.00.

KEY PLAN



**MacLAREN INFIRMARY & PHARMACY
RENOVATION
OREGON YOUTH AUTHORITY**

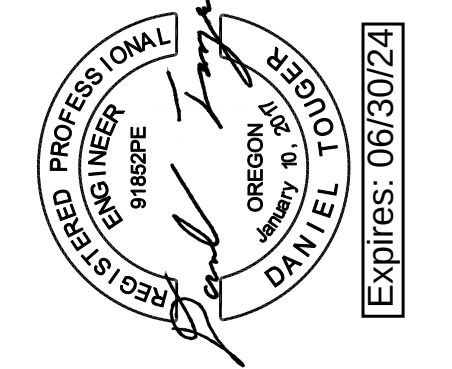
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**PLUMBING DOMESTIC
WATER - FIRST FLOOR
PLAN - STORAGE AREA**

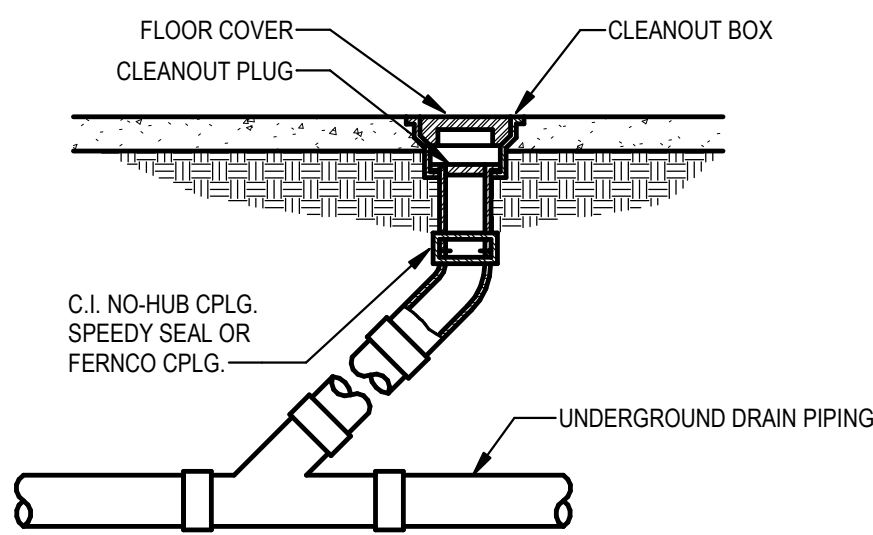
P4.12



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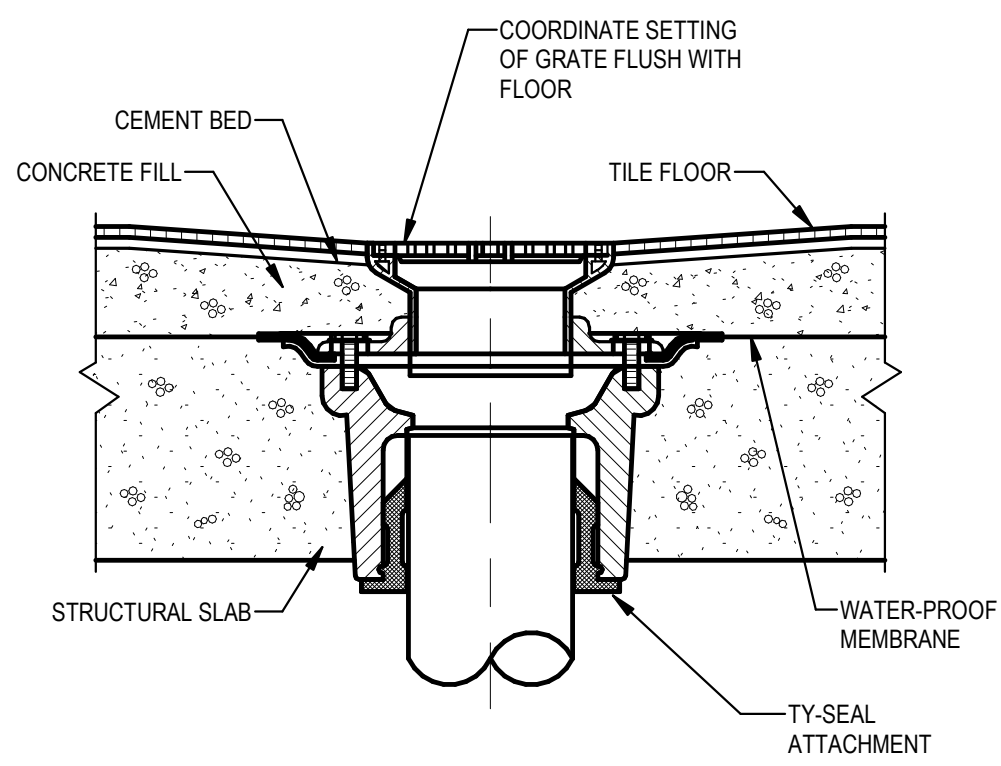
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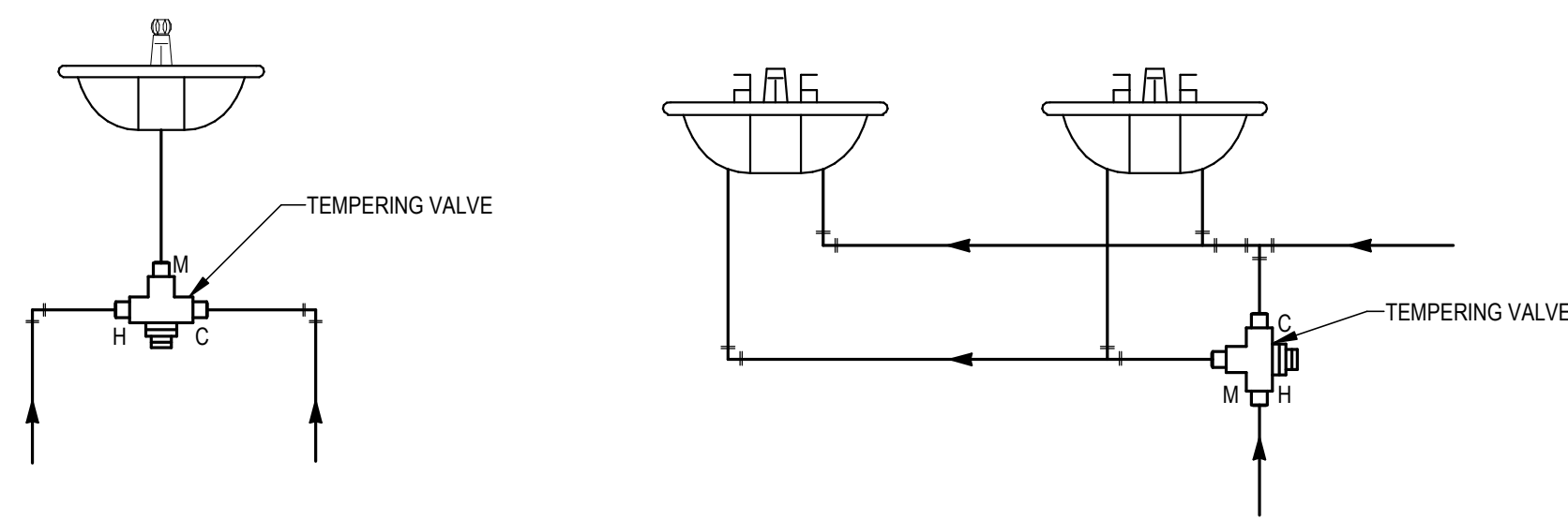
FLOOR CLEANOUT DETAIL

1 NTS



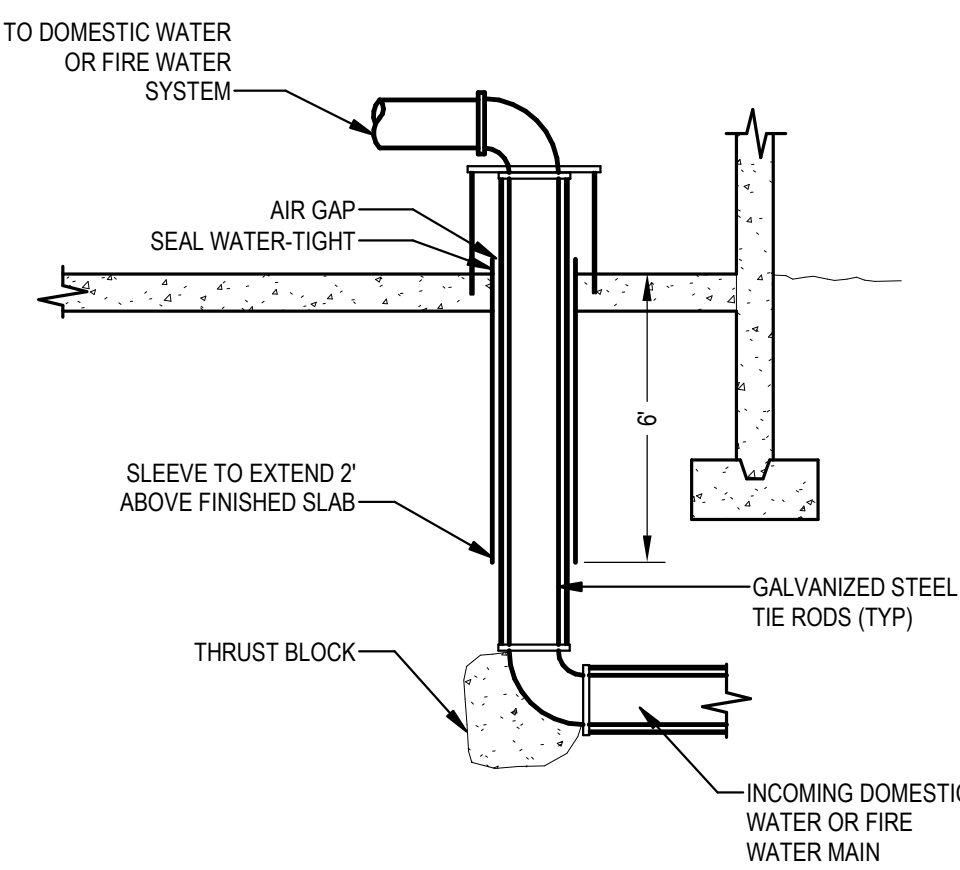
FLOOR DRAIN DETAIL

2 NTS



THERMOSTATIC MIXING VALVE DETAIL

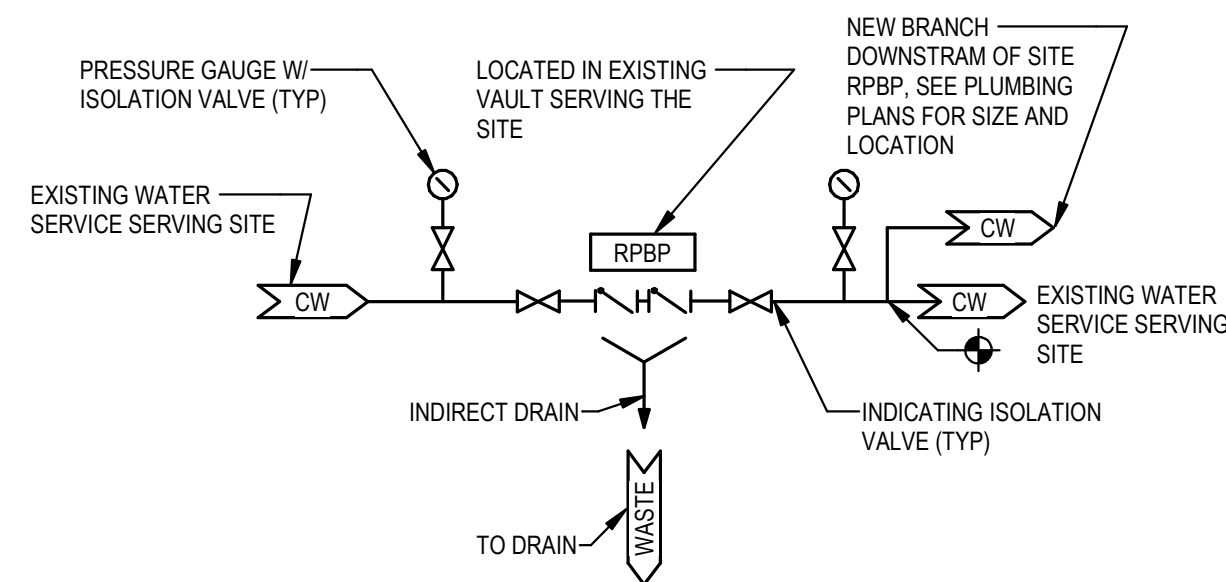
3 NTS



- NOTES:
1. REFER TO DRAWINGS FOR LOCATION AND PIPE SIZES.
 2. REFER TO SPRINKLER STATION DETAIL FOR FIRE SYSTEM INFORMATION.
 3. PROVIDE ALL BRACKETS, SUPPORTS AND HANGERS AS REQUIRED.

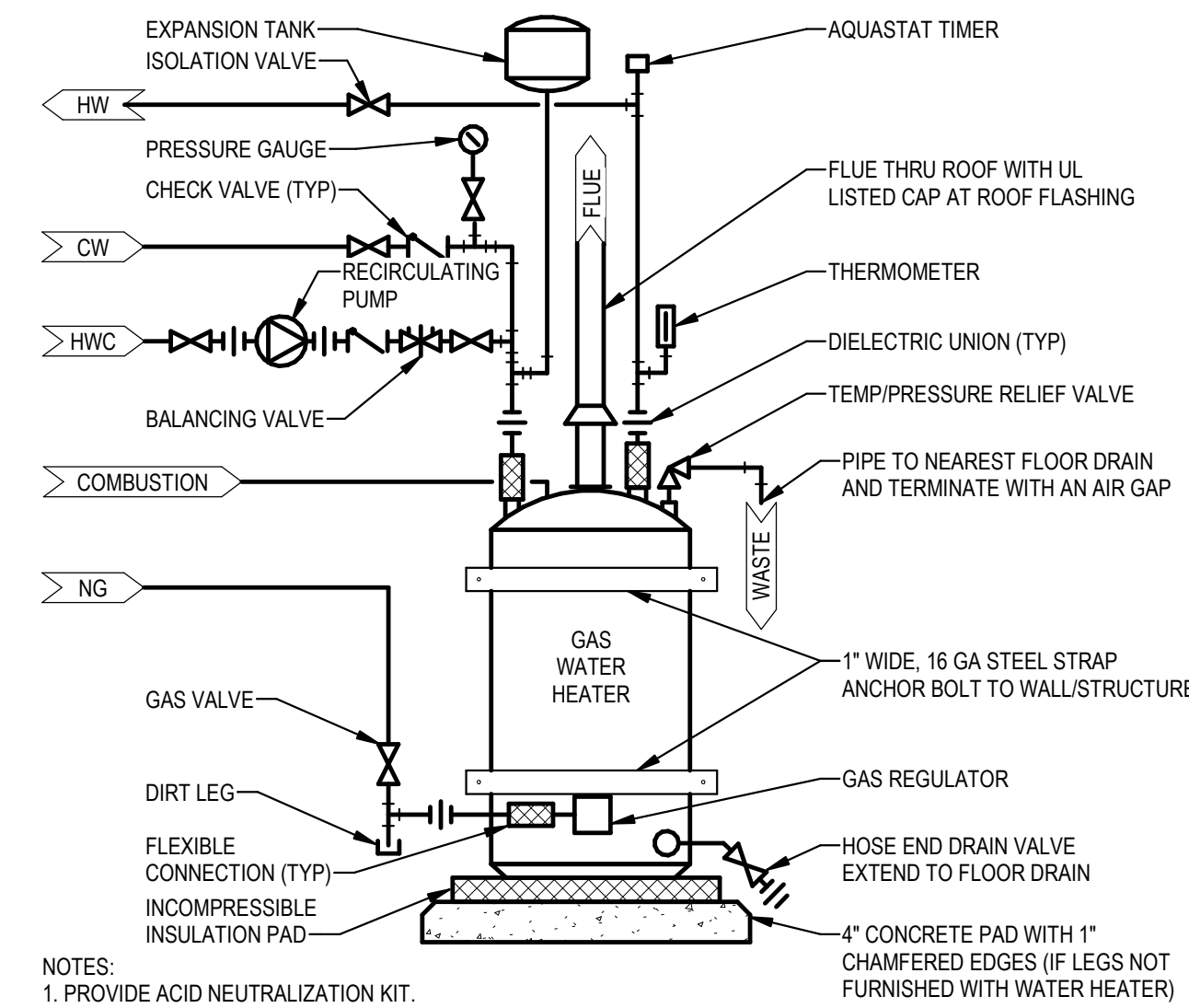
WATER ENTRY PIPE DETAIL

5 NTS



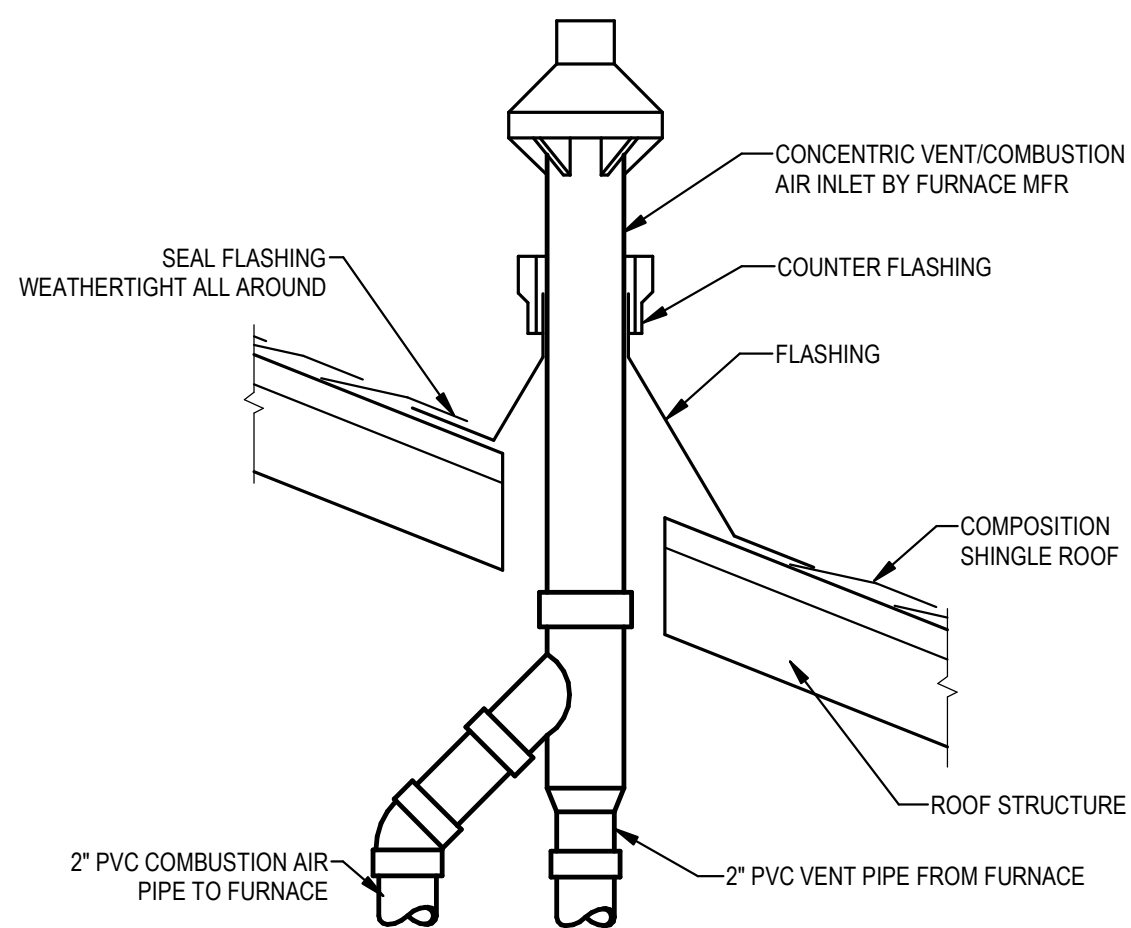
DOUBLE CHECK VALVE BACKFLOW PREVENTER

4 NTS



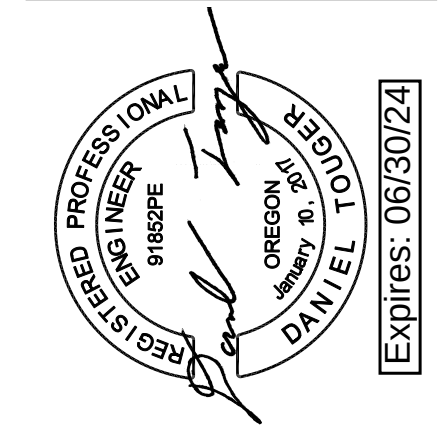
GAS-FIRED WATER HEATER WITH RECIRC. PUMP DIAGRAM

6 NTS



CONCENTRIC VENT THRU ROOF DETAIL

7 NTS



DEMOLITION NOTES

- A. THE EXISTING CONDITIONS SHOWN WERE TAKEN FROM AVAILABLE RECORD INFORMATION. FIELD VERIFY ALL CONDITIONS THAT MAY AFFECT CONSTRUCTION. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ENGINEER IN WRITING AND REQUEST DIRECTION PRIOR TO COMMENCING WORK.
- B. EXISTING LIGHT FIXTURES SHALL BE CAREFULLY REMOVED (DO NOT DAMAGE) AND RETURNED TO THE OWNER.
- C. ANY AND ALL EQUIPMENT HAVING ELECTRICAL CONNECTIONS THAT REQUIRE DISCONNECTING AND/OR RE-CONNECTING AS A RESULT OF CONSTRUCTION SHALL BE INCLUDED AS A PART OF THIS CONTRACT.
- D. THE EXISTING ELECTRICAL DEVICES, CONDUIT, AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED. LOCATION IS TO BE AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.
- E. ALL CIRCUITS, CONDUIT AND WIRE THAT ARE NOT TO REMAIN IN SERVICE SHALL BE REMOVED BACK TO THE FIRST ACCESSIBLE JUNCTION BOX WHERE IT SHALL BE TIED OFF AND LABELED AS SPARE WITH CIRCUIT NUMBER INDICATED.
- F. REMOVE ALL ABANDONED WIRE AND CABLING.

GENERAL NOTES

1. SYMBOLS LEGENDS ARE PROVIDED FOR REFERENCE PURPOSES ONLY. THE SYMBOLS REPRESENT THE TYPE OF DEVICES THAT MAY BE REQUIRED IN THE WORK; QUANTITIES AND LOCATIONS ARE AS SHOWN ON THE PLAN SHEETS.
2. PROVIDE 3/4" CONDUIT & #12 CONDUCTORS UNLESS NOTED OTHERWISE. PROVIDE ONE NEUTRAL CONDUCTOR FOR EACH UNGROUNDED CONDUCTOR OF SINGLE PHASE LINE-NEUTRAL BRANCH CIRCUITS. DO NOT SHARE NEUTRAL CONDUCTORS.
3. EACH FEEDER AND BRANCH CIRCUIT CONDUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NFPA 70, ARTICLE 250.
4. ALL ELECTRICAL EQUIPMENT IN PORTIONS OF THE BUILDING NOT BEING REMODELED SHALL BE LEFT IN WORKING CONDITION. RESTORE ANY CIRCUITS INTERRUPTED.
5. ALL NEW LIGHT FIXTURES AND FIXTURES IN AREAS ADJACENT DEMOLITION & CONSTRUCTION AREAS ARE TO BE THOROUGHLY CLEANED IMMEDIATELY PRIOR TO NOTICE OF SUBSTANTIAL COMPLETION.
6. THE FOLLOWING IS PART OF THIS PROJECT AND ALL COSTS PERTAINING THERETO SHALL BE INCLUDED IN THE BASE BID.
- A. NEW ELECTRICAL EQUIPMENT AND APPARATUS SHALL BE COORDINATED AND CONNECTED INTO THE EXISTING SYSTEM AS REQUIRED.
- B. POWER WIRING AND CABLE INSTALLATIONS SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS AND IN WALLS. EXPOSED WIRING SHALL BE INSTALLED IN APPROVED SURFACE METAL RACEWAY WHERE INDICATED.
- C. WHERE EXISTING CONDUITS ARE INDICATED FOR REUSE, FIELD VERIFY INTEGRITY OF REUSED RACEWAYS PRIOR TO INSTALLATION OF CONDUCTORS. PROVIDE NEW RACEWAYS WHERE EXISTING ARE UNUSABLE.
- D. LOCATIONS OF ALL WALL MOUNTED DEVICES SUCH AS SWITCHES, RECEPTACLES, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT DEVICE LOCATIONS IN FIELD. COORDINATE INSTALLATIONS WITH FIXED CASEWORK, DOORS AND RELITES.
- E. PROVIDE PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS AS REQUIRED. PROVIDE SUITABLE FIRE RATED MATERIALS AND SEAL ALL CEILING, FLOOR, AND WALL PENETRATIONS TO MATCH FIRE RATING OF SURFACES PENETRATED.

LIGHTING NOTES

1. LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS AS ZONED ON THE LIGHTING PLANS. SWITCHING AND DIMMING ZONES ARE INDICATED ADJACENT TO EACH FIXTURE.
2. MANUAL CONTROLS SHALL ALLOW OCCUPANTS TO UNIFORMLY REDUCE ILLUMINATION LEVELS AT LEAST 50%. EXCEPTION: CORRIDORS, RESTROOMS, LOBBIES, MECHANICAL, ELECTRICAL, AND INFORMATION TECHNOLOGY (IDF) ROOMS CONTROLLED BY OCCUPANCY SENSORS.
3. LUMINAIRES PROVIDING MEANS OF EGRESS ILLUMINATION AND HAVING BOTH NORMAL AND EMERGENCY POWER SOURCES SHALL BE CONTROLLED BY A COMBINATION OF UL 924 LISTED EMERGENCY RELAYS AND OCCUPANCY SENSORS THAT ENABLES THE LIGHTING TO BE SHUT OFF WHEN THE AREAS SERVED ARE UNOCCUPIED AND AUTOMATICALLY ILLUMINATES IN THE EVENT OF NORMAL POWER SOURCE FAILURE.
4. THE MAXIMUM LIGHTING POWER THAT MAY BE CONTROLLED FROM A SINGLE SWITCH OR AUTOMATIC CONTROL SHALL NOT EXCEED THAT WHICH IS PROVIDED BY A 20 AMPERE CIRCUIT LOADED TO NOT MORE THAN 80 PERCENT.
5. PROVIDE FUNCTIONAL TESTING OF AUTOMATIC LIGHTING CONTROLS. SUBMIT WRITTEN PROCEDURES FOR FUNCTIONAL TESTING OF ALL AUTOMATIC CONTROLS WITH DESCRIPTION OF THE EXPECTED SYSTEM RESPONSE.

FIRE ALARM SYSTEM NOTES (DELEGATED DESIGN)

1. PREPARE A COMPLETE SET OF FIRE ALARM SYSTEM DRAWINGS INCLUDING DESIGN CALCULATIONS, WIRING DETAILS, FIRE ALARM APPLIANCES, MONITORING AND CONTROL MODULES, INTERFACE RELAYS, COMMUNICATIONS DEVICES, SYSTEM PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL FIRE ALARM. REFER TO SECTION 28 46 00 FIRE DETECTION AND ALARM FOR SPECIFIC REQUIREMENTS.
2. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE REPRESENTATIVE OF AREAS REQUIRING COVERAGE ONLY. THE ENGINEER MAKES NO REPRESENTATION THAT THE QUANTITIES OR LOCATIONS OF DEVICES SHOWN ARE SUFFICIENT TO SATISFY THE AUTHORITY HAVING JURISDICTION (AHJ).
3. THE FIRE ALARM SYSTEM DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
2019 OREGON STRUCTURAL SPECIALTY CODE CHAPTER 9
2021 OREGON ELECTRICAL SPECIALTY CODE
2020 NFPA 70 (NEC)
2016 NFPA 72
2015 NFPA 101
2013 ASME A17.1
2014 OREGON FIRE CODE (OFC) CHAPTER 11
4. COORDINATE FIRE ALARM DESIGN REQUIREMENTS WITH THE AHJ AND OBTAIN AHJ APPROVAL OF THE FINAL DESIGN.
5. SUBMIT A COMPLETE SET OF AHJ APPROVED FIRE ALARM DRAWINGS FOR OWNER/ARCHITECT REVIEW PRIOR TO START OF CONSTRUCTION. SEE SPECIFICATIONS 28 46 00 FOR ADDITIONAL SUBMITTAL REQUIREMENTS.
6. INSTALLATION: PROVIDE ALL LABOR, MATERIAL, SUPPORT HARDWARE, ETC., AS REQUIRED AND INSTALL FIRE ALARM SYSTEM AS SPECIFIED.
7. SCHEDULED TESTING: INCLUDE STEP-BY-STEP PROCEDURES FOR PERFORMANCE TESTING EVERY FIRE ALARM DEVICE AND SYSTEM OUTPUT TO DEMONSTRATE FUNCTIONALITY IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
8. RECORD DRAWINGS: MARK-UP CONSTRUCTION DRAWINGS DURING INSTALLATIONS TO SHOW ACCURATE LOCATIONS OF DEVICES, ACTUAL ROUTING OF CONDUIT, AND LOCATIONS OF END OF LINE DEVICES. INCORPORATE AS-BUILT MARK-UPS INTO AUTO-CAD RECORD DRAWINGS UPON COMPLETION OF THE WORK. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SUBMIT RECORD DRAWINGS AS FOLLOWS: 1 SET IN ELECTRONIC (AUTO-CAD) FORMAT, 1 SET IN ELECTRONIC (PDF) FORMAT, AND 4 SETS OF PRINTED DRAWINGS: 2 FULL-SIZE AND 2 HALF-SIZE.

ABBREVIATIONS

@	AT	MAG	MAGNETIC
A/C	AIR CONDITIONING(ER)	MAN	MANUAL
A (AMP)	AMPERE	MAT	MATERIAL
AC	ABOVE COUNTER, ALTERNATING CURRENT	MAX	MAXIMUM
ADJ	ADJUSTABLE	MCA	MINIMUM CIRCUIT AMPACITY
ADJT	ADJACENT	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AHJ	AUTHORITY HAVING JURISDICTION	MEZZ	MEZZANINE
AIC	AMPERE INTERRUPTING CAPACITY	MG	MOTOR GENERATOR
ALT	ALTERNATE	MIN	MINIMUM
ANN	ANNUNCIATOR	MISC	MISCELLANEOUS
ARCH	ARCHITECT; ARCHITECTURAL	MLO	MAIN LUG ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MOCB	MAXIMUM OVERCURRENT PROTECTION
AUTO	AUTOMATIC	MS	MAGNETIC STARTER
AUX	AUXILIARY	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MTG	MOUNTING
		MTR	MOTOR
BKBD	BACKBOARD	N	NORTH, NEUTRAL
BKR	BREAKER	N/A	NOT APPLICABLE
BLDG	BUILDING	NC	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CAP	CAPACITY	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NESC	NATIONAL ELECTRICAL SAFETY CODE
CKT	CIRCUIT	NEUT	NEUTRAL
CLG	CEILING	NFPA	NATIONAL FIRE PROTECTION ASSOC.
CLR	CLEAR	NIC	NOT IN CONTRACT
COL	COLUMN	NO	NORMALLY OPEN
COM	COMMUNICATION	NTS	NOT TO SCALE
CPS	CYCLES PER SECOND	OC	ON CENTER
CT	CURRENT TRANSFORMER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CTL	CONTROL	OFOI	OWNER FURNISHED OWNER INSTALLED
CU	COPPER	OL	OVERLOAD
		OS	OPTIONAL STANDBY
DC	DIRECT CURRENT	OYA	OREGON YOUTH AUTHORITY (OWNER)
DISC SW	DISCONNECT SWITCH		
DISC	DISCONNECT	P	PRIMARY
DN	DOWN	PA	PUBLIC ADDRESS
DWG	DRAWING	PAR	PARALLEL
E	EXIST, EAST	PB	PULL BOX
EDH	ELECTRIC DUCT HEATER	PE	PHOTO ELECTRIC
EF	EXHAUST FAN	PF	POWER FACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR	PH	PHASE
EL	ELEVATION	PIV	POST INDICATOR VALVE
ELEC	ELECTRICAL	PNL	PANEL
ELEV	ELEVATOR	POC	POINT OF CONNECTION
EM	EMERGENCY	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	QTY	QUANTITY
ENCL	ENCLOSURE		
ENTR	ENTRANCE	R (R)	RELOCATE (D)
EOR	ENGINEER OF RECORD	RAD	RADIUS
EP	EXPLOSION PROOF	RECPT	RECEPTACLE
EPO	EMERGENCY POWER OFF	REF	REFRIGERATOR
EQUIP	EQUIPMENT	RLA	RATED LOAD AMPS
EW	ELECTRIC WATER COOLER	RPM	REVOLUTIONS PER MINUTE
EWH	ELECTRIC WATER HEATER		
EXH	EXHAUST	S	SOUTH
EXT	EXTERIOR	SC	SECURITY
EXIST	EXISTING	SD	SMOKE DETECTOR
F	FAHRENHEIT/FAUSE	SECT	SECTION
FA	FIRE ALARM	SF	SUPPLY FAN
FAA	FIRE ALARM ANNUNCIATOR	SHT	SHEET
FAP	FIRE ALARM PANEL	SPEC	SPECIFICATION
FC	FOOTCANDLE	SPL	SPECIAL
FCU	FAN COIL UNIT	SQ	SQUARE
FD	FIRE DAMPER	STOR	STORAGE
FDR	FEEDER	SPD	SURGE PROTECTION DEVICE
FIXT	FIXTURE	SW	SWITCH
FLA	FULL LOAD AMPS	SWBD	SWITCHBOARD
FSD	FIRE/SMOKE DAMPER	SYM	SYMMETRICAL
		SYS	SYSTEM
GEC	GROUNDING ELECTRODE CONDUCTOR		
GEN	GENERATOR	T	THERMOSTAT
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TB	TERMINAL BOX
GFR	GROUND FAULT RELAY	TC	TIME CLOCK
H	HEIGHT	TEL	TELEPHONE
HOA	HAND OFF AUTOMATIC	TV	TELEVISION
HOR	HORIZONTAL	TYP	TYPICAL
HP	HORSEPOWER	UFC	UNIFORM FIRE CODE
HR	HOUR	UG	UNDERGROUND
HT	HEIGHT	UH	UNIT HEATER
HW	HOT WATER	UL	UNDERWRITERS LABORATORIES
HZ	HERTZ	UN	UNLESS OTHERWISE NOTED
		UV	UNIT VENTILATOR
IBC	INTERNATIONAL BUILDING CODE	V	VOLT
IC	INTERCOM	VAV	VARIABLE AIR VOLUME
IES	ILLUMINATING ENGINEERING SOCIETY	VEL	VELOCITY
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	VM	VOLTMETER
IG	ISOLATED GROUND	VOL	VOLUME
IMC	INTERMEDIATE METAL CONDUIT	W	WATT, WEST
IN	INCH	W/	WITH
JB	JUNCTION BOX	W/O	WITHOUT
KMIL	THOUSAND CIRCULAR MILLS	WH	WATER HEATER
KVA	KILOVOLT AMPERES	WM	WATTHOUR METER
KVAR	KILOVOLT AMPERES REACTIVE	WP	WEATHERPROOF
KW	KILOWATT	X	REACTANCE
KWH	KILOWATT HOUR	XFMR	TRANSFORMER
		XMTR	TRANSMITTER
LBS	POUNDS	Z	IMPEDANCE
LF	LINEAR FEET (FEET)		
LRA	LOCKED ROTOR AMPS	&	AND
LS	LIFE SAFETY	IE:	THAT IS
LT	LIGHT		
LTG	LIGHTING		
LV	LOW VOLTAGE		

ELECTRICAL SHEET INDEX	
E0.00	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
E0.01	ELECTRICAL LEGEND
E0.02	ELECTRICAL LIGHTING SCHEDULES
E0.03	ELECTRICAL EQUIPMENT SCHEDULE
E01.00	ELECTRICAL DEMOLITION - SITE PLAN
E01.01	ELECTRICAL DEMOLITION - FIRST FLOOR PLAN - OVERALL
E03.00	ELECTRICAL DEMOLITION - LIGHTING PLAN - OVERALL
E04.11	ELECTRICAL DEMOLITION - FIRST FLOOR PLAN - PATIENT AREA
E04.12	ELECTRICAL DEMOLITION - FIRST FLOOR PLAN - STORAGE AREA
E04.13	ELECTRICAL DEMOLITION - ROOF PLAN - OVERALL
E1.00	ELECTRICAL - SITE PLAN
E3.01	ELECTRICAL LIGHTING - FIRST FLOOR PLAN - OVERALL
E3.11	ELECTRICAL LIGHTING - FIRST FLOOR PLAN - PATIENT AREA
E3.12	ELECTRICAL LIGHTING - FIRST FLOOR PLAN - STORAGE AREA
E4.01	ELECTRICAL POWER - FIRST FLOOR PLAN - OVERALL
E4.02	ELECTRICAL POWER - ROOF PLAN - OVERALL
E4.11	ELECTRICAL POWER - FIRST FLOOR PLAN - PATIENT AREA
E4.12	ELECTRICAL POWER - FIRST FLOOR PLAN - STORAGE AREA
E4.13	ELECTRICAL POWER - ROOF PLAN - PATIENT AREA
E4.14	ELECTRICAL POWER - ROOF PLAN - STORAGE AREA
E6.00	ELECTRICAL ONE-LINE DIAGRAM & DETAILS
E8.00	ELECTRICAL PANEL SCHEDULES

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

E0.00

MacLAREN INFIRMARY & PHARMACY RENOVATION

OREGON YOUTH AUTHORITY

2630 N PACIFIC HWY., WOODBURN, OR 97071



ISSUE DATE: 08.25.2023

REVISIONS:

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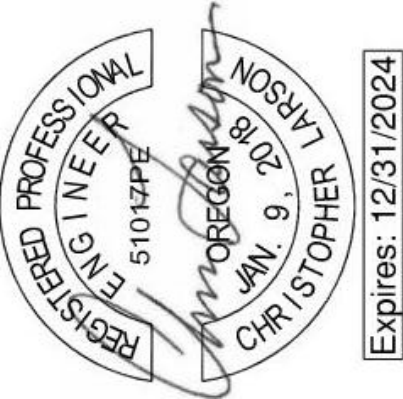
SÄZÄN GROUP

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SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN CEILING SPACE OR IN WALL. PROVIDE MINIMUM 3/4" WITH #12 AWG CONDUCTORS AND DEDICATED NEUTRAL EACH CIRCUIT UNLESS OTHERWISE NOTED ON PLAN. PROVIDE EQUIPMENT GROUNDING CONDUCTORS SIZED PER NFPA 70.
	FLEXIBLE METAL CONDUIT
	CONDUIT - CONCEALED IN OR UNDER FLOOR
	CONDUIT - ROUTED UNDERGROUND
	LOW-VOLTAGE WIRING (CLASS B)
	CONDUIT OR CABLE VERTICAL DOWN
	CONDUIT OR CABLE VERTICAL UP
	CONDUIT STUB - TERMINATE WITH BUSHING OR CAP IF UNDERGROUND
	BREAK LINE
	CONDUIT SEAL
	EXPANSION FITTING
	CABLE TRAY
	BRANCH CIRCUIT NUMBERS
	PANEL DESIGNATION
	HOME RUN TO SOURCE OF SUPPLY
	CONDUCTORS - CONNECTED
	CONDUCTORS - NOT CONNECTED
	JUNCTION BOX
	PULLBOX - SIZE AS INDICATED OR AS REQUIRED BY CODE
	HANDHOLE
	MANHOLE

SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (HATCH)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOL	DESCRIPTION
	GROUND CONNECTION
	GROUND ROD
	GROUND WELL
	AIR TERMINAL

SYMBOL	DESCRIPTION
	480Y/277V, 3Ø, 4W PANELBOARD
	208Y/120V, 3Ø, 4W PANELBOARD
	EQUIPMENT CABINET - TYPE AS NOTED
	PANELBOARD
	TRANSFER SWITCH (AUTO)
	AMPERES SHORT CIRCUIT AVAILABLE (SYMMETRICAL)
	FEEDER TAG - REFER TO FEEDER SCHEDULE

SYMBOL	DESCRIPTION
	TRANSFORMER
	POLE-MOUNTED TRANSFORMER
	POLE
	DELTA
	WYE
	MEDIUM VOLTAGE CABLE TERMINATOR
	LIGHTNING ARRESTORS
	SURGE ARRESTORS
	NEUTRAL GROUNDING RESISTOR
	METER
	MICROPROCESSOR CONTROLLED MONITOR REFER TO SPECIFICATIONS FOR METERING VALUES AND PROTECTIVE FUNCTIONS
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	INDICATING INSTRUMENT AM-AMMETER; VM-VOLTMETER; FM-FREQUENCY METER; WVAR-KILOVAR METER; WWH-KILOWATT HOUR METER; KWH-KILOWATT HOUR DEMAND METER
	INSTRUMENT SWITCH AS-AMMETER SWITCH; VS-VOLTMETER SWITCH; SS-SYNCHRONIZING SWITCH; SV-SUPERVISORY (LOCAL-REMOTE) SWITCH
	SEPARABLE CONNECTOR
	DRAWOUT AC TYPE POWER CIRCUIT BREAKER

SYMBOL	DESCRIPTION
	SINGLE-POLE WALL SWITCH MOUNT SWITCHES AT 48" AFF. TO TOP, UON.

SYMBOL	DESCRIPTION
	WALL SWITCH - SUB-SCRIPT 2 = 2-POLE 3 = 3-WAY 4 = 4-WAY K = KEYED WP = WEATHERPROOF LOWER CASE LETTER INDICATES SWITCHING GROUP MOUNT SWITCHES AT 48" AFF. TO TOP, UON. ANY COMBINATION OF SWITCH TYPES CAN BE USED (IE. 3K = 3-WAY KEYED SWITCH) SPECIAL PURPOSE RECEPTACLE TYPE AS SHOWN ON PLANS SINGLE SERVICE OR COMBINATION FLUSH MOUNTED FLOOR BOX. REFER TO FLOOR PLANS FOR DEVICES. SINGLE SERVICE OR COMBINATION FLUSH FLOOR POKE THRU. REFER TO FLOOR PLANS FOR DEVICES. POWER/COMM POLE - FLOOR TO CEILING. SURFACE MOUNTED FLOOR BOX (PEDESTAL TYPE). PUSH BUTTON SIMPLEX RECEPTACLE NEMA 5-20R, +18" AFF UON DUPLEX RECEPTACLE QUAD RECEPTACLE NEMA 5-20R, +18" AFF UON TAMPER RESISTANT, NEMA 5-20R, +18" AFF UON SWITCHED RECEPTACLE, NEMA 5-20R, +18" AFF UON ISOLATED GROUND, NEMA 5-20R, +18" AFF UON NEMA 5-20R WI GROUND FAULT CIRCUIT INTERRUPTER, +18" AFF UON SPLIT WIRED, NEMA 5-20R, +18" AFF UON CONTROLLED, NEMA 5-20R, +18" AFF UON NEMA 5-20R, ABOVE COUNTER, COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS. NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER, ABOVE COUNTER, COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS. TAMPER RESISTANT, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER, ABOVE COUNTER, COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS. NEMA 5-20R, CONNECTED TO EMERGENCY CIRCUIT, +18" AFF UON NEMA 5-20R ON EMERGENCY CIRCUIT MOUNTED ABOVE COUNTER, COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS. CEILING-MOUNTED, NEMA 5-20R NEMA 5-20R WITH USB CHARGER - (2) TYPE A USB PORTS TAMPER RESISTANT, NEMA 5-20R WITH USB CHARGER - (2) TYPE A USB PORTS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER ST - INDICATES SHUNT TRIP ENCLOSED CIRCUIT BREAKER (PLAN VIEW) xxxxAxP - AMPS/POLES ENCLOSED CIRCUIT BREAKER (ONE-LINE DIAGRAM) xxxxAxP - AMPS/POLES
	BREAKER WITH EXTERNAL GROUND FAULT RELAY AND CT
	CIRCUIT BREAKER WITH INTEGRAL GROUND FAULT PROTECTION
	MOTOR-OPERATED CIRCUIT BREAKER
	SWITCH WITH EXTERNAL GROUND FAULT RELAY AND CT
	MOV SURGE PROTECTION
	RESISTOR
	FUSE
	MOTOR THERMAL OVERLOADS - (3) UNLESS OTHERWISE NOTED
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	SOLENOID VALVE
	MOTOR-OPERATED VALVE
	THERMOSTAT
	TERMINAL BLOCK
	INDICATING LIGHT - TYPE AS NOTED A-AMBER; B-BLUE; G-GREEN; R-RED; W-WHITE
	BATTERY

SYMBOL	DESCRIPTION
	LIGHT FIXTURE IDENTIFIER - REFER TO LUMINAIRE SCHEDULE

SYMBOL	DESCRIPTION
	PANEL NAME - CIRCUIT NUMBER
	SWITCH DESIGNATION - MIDDLE DIGITS REFER TO ROOM NUMBER - END DIGITS REFER TO SWITCH LEG SUB-SCRIPT (IF APPLICABLE) * IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: RL1 / 1 / 1 / NL
	SHADING INDICATES LUMINAIRE ON EMERGENCY CIRCUIT OR WITH BATTERY BACKUP
	2x4 LUMINAIRE
	1x4 LUMINAIRE
	2x2 LUMINAIRE
	LINEAR LUMINAIRE
	WALL WASH LUMINAIRE
	WALL MOUNTED LUMINAIRE
	UNDER-CABINET LUMINAIRE
	STRIP LUMINAIRE
	DOWNLIGHT
	WALL WASH DOWNLIGHT LUMINAIRE
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED DIRECTIONAL LUMINAIRE
	PENDANT MOUNTED LUMINAIRE
	TRACK LIGHT - LENGTH AS INDICATED ON PLANS
	NUMBER OF LUMINAIRES AS SHOWN
	POLE-MOUNTED LUMINAIRE - NUMBER OF LUMINAIRES AS SHOWN ON PLANS
	STREET LIGHT
	IN-GROUND LANDSCAPE LUMINAIRE
	ILLUMINATED EXIT SIGN - SINGLE FACE ARROW INDICATES DIRECTION OF EGRESS, UNIVERSAL MOUNT
	ILLUMINATED EXIT SIGN - DOUBLE FACE ARROW INDICATES DIRECTION OF EGRESS, UNIVERSAL MOUNT
	BATTERY-POWERED EMERGENCY WALLPACK
	COMBINATION BATTERY POWERED EMERGENCY WALLPACK AND ILLUMINATED EXIT SIGN
	TIME CLOCK - TYPE AS NOTED
	LIGHTING CONTROL SYSTEM POWER PACK
	SWITCH BYPASS DEVICE
	ILLUMINATION CONTROL STATION
	OCCUPANCY SENSOR CEILING MOUNTED WITH POWER PACK - DUAL TECHNOLOGY TYPE UNLESS NOTED: U = ULTRASONIC P = PASSIVE INFRARED
	OCCUPANCY SENSOR WALL MOUNTED
	PHOTOELECTRIC CONTROL CEILING MOUNTED
	PHOTOELECTRIC CONTROL WALL MOUNTED

SYMBOL	DESCRIPTION
	2-POSITION SELECTOR SWITCH
	3-POSITION SELECTOR SWITCH HAND-OFF-AUTOMATIC
	ON-OFF SELECTOR SWITCH
	2-CIRCUIT PUSHBUTTON
	PUSHBUTTON SWITCH MOMENTARY CONTACT
	EQUIPMENT CONNECTION
	GENERATOR
	MOTOR CONNECTION
	SMOKE DAMPER
	FIRE SMOKE DAMPER
	STARTER 3-POLE, NEMA SIZE 1 MINIMUM UNLESS NOTED OTHERWISE
	COMBINATION STARTER HP RATED, 3-POLE, NEMA SIZE 1 MINIMUM, UNLESS NOTED OTHERWISE - OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED
	DISCONNECT SWITCH 3-POLE UNLESS NOTED OTHERWISE
	FUSED DISCONNECT SWITCH 3-POLE UNLESS NOTED OTHERWISE
	CONTACTOR
	RELAY COIL CR-CONTROL RELAY; TD-TIME DELAY RELAY; UV-UNDERVOLTAGE RELAY; M-MOTOR CONTACTOR
	MOTOR-RATED SWITCH - SIZE OL PER MOTOR REQUIREMENTS
	EQUIPMENT EMERGENCY SHUTDOWN SWITCH

SYMBOL	DESCRIPTION
	FIRE ALARM SYSTEM CONTROL PANEL

SYMBOL	DESCRIPTION
	ESR - ELEVATOR STATUS/RECALL
	FAC - FIRE ALARM COMMUNICATOR
	FACP - FIRE ALARM CONTROL PANEL
	FAA OR FARA - FIRE ALARM ANNUNCIATOR
	HVA - HVAC OR EXHAUST STAIRWELL PRESSURIZATION
	LCD - FIRE ALARM LCD ANNUNCIATOR
	FIRE ALARM FLOW SWITCH
	HILO AIR PRESSURE SWITCH
	HILO AIR PRESSURE SWITCH
	VALVE SUPERVISORY SWITCH
	POST INDICATOR VALVE SUPERVISORY SWITCH
	FIRE ALARM PULL STATION
	FIRE/SMOKE DAMPER
	SMOKE DAMPER
	FIRE ALARM HORN ONLY
	FIRE ALARM HORN STROBE, XX = CANDELA RATING
	FIRE ALARM SPEAKER ONLY
	FIRE ALARM SPEAKER STROBE, XX = CANDELA RATING
	FIRE ALARM STROBE ONLY - WALL, XX = CANDELA RATING
	FIRE ALARM STROBE ONLY - CEILING, XX = CANDELA RATING
	FIRE ALARM BELL
	FIRE FIGHTER PHONE JACK
	HEAT DETECTOR, RATE OF RISE AND FIXED TEMPERATURE UON
	F - FIXED TEMPERATURE
	R - RATE OF RISE ONLY
	R/C - RATE COMPENSATION
	SMOKE DETECTOR, PHOTOELECTRIC UON
	BT - BEAM TRANSMITTER
	BR - BEAM RECEIVER
	I - IONIZATION
	FIRE ALARM DUCT SMOKE DETECTOR WITH SAMPLING TUBE
	FLAME DETECTOR
	GAS DETECTOR
	ADDRESSABLE INPUT MODULE
	ADDRESSABLE OUTPUT MODULE
	ISOLATION MODULE
	FIRE ALARM EQUIPMENT CONNECTION
	RELAY BLOCK

SYMBOL	DESCRIPTION
	CARD READER (WP = KEYPAD) (WP = WEATHERPROOF)
	DOOR/WINDOW CONTACT
	ELECTRIC STRIKE
	MAGNETIC LOCK
	REQUEST TO EXIT PUSHBUTTON
	REQUEST TO EXIT SENSOR
	CCTV CAMERA - CEILING MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE: 180°, 270°, 360°, PTZ))
	CCTV CAMERA - WALL MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE: 180°, 270°, 360°, PTZ))
	STAFF ASSISTANCE PUSH BUTTON
	INTERCOM OUTLET (D = DESK MOUNTED) (W = WALL MOUNTED @ +48" AFF)
	KEYPAD - ALARM PANEL
	MOTION DETECTOR - INFRARED TYPE UNLESS OTHERWISE NOTED
	BREAK GLASS SENSOR
	ALARM BELL
	DOOR OPERATOR
	STAFF ASSISTANCE WALL-MOUNTED DOME LIGHT



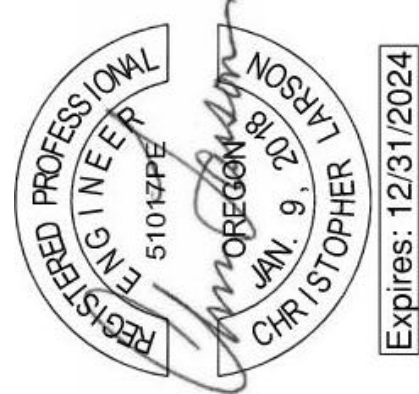
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ELECTRICAL LEGEND

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LUMINAIRE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MOUNTING	CCT / CRI	INPUT WATTS (W)	LUMEN OUTPUT	EFFICACY (LUMENS / WATTS)	BALLAST / TRANSFORMER / DRIVER	VOLTAGE	LENS / REFLECTOR / BEAM	HOUSING	TRIM / FLANGE / BAFFLE / FINISH	MANUFACTURER / CATALOG #	NOTES
INTERIOR/EXTERIOR LIGHTING													
R1	2x2 TROFFER LED LUMINAIRE	RECESSED	3500K 80CRI	23	2581-2903	122	0-10V DIMMING DRIVER	UNV	CURVED LENS	STEEL	BY ARCHITECT	COLUMBIA LIGHTING - LCATT22 SERIES	PROVIDE BATTERY BACKUP TO EMERGENCY FIXTURES.
R2	4" DIAMETER LED DOWNLIGHT LUMINAIRE	RECESSED	3500K 80CRI	13	1527	111	0-10V DIMMING DRIVER	UNV	MEDIUM WIDE BEAM SPREAD	STEEL	BY ARCHITECT	GOTHAM - EVO 4" DOWNLIGHT SERIES	
R3	VARIABLE LENGTH LINEAR LED LUMINAIRE	RECESSED	3500K 80CRI	6 PER FOOT	600 PER FOOT	91	0-10V DIMMING DRIVER	120	SATIN ACRYLIC LENS	STEEL	BY ARCHITECT	MARK ARCHITECTURAL LIGHTING - SLOT 2 LED RECESSED LINEAR SERIES	PROVIDE BATTERY BACKUP TO EMERGENCY FIXTURES.
R4	2X4 HIGH ABUSE, ANTI-LIGATURE OVERBED TROFFER	RECESSED	3500K 80CRI	50	5784	115	INTEGRAL DRIVER - DIM TO 1%	UNV	POLYCARBONATE LENS	ANTI-LIGATURE RESISTANT	BY ARCHITECT	LUMINAIRE LED - SUPER MAX RMP SERIES	PROVIDE INTEGRAL AMBER LED NIGHT LIGHT (AMBNL)
R5	1X4 HIGH ABUSE, ANTI-LIGATURE LED LUMINAIRE	RECESSED	3500K 80CRI	50	4506	90	0-10V DIMMING DRIVER	UNV	POLYCARBONATE LENS	ANTI-LIGATURE RESISTANT	BY ARCHITECT	LUMINAIRE LED - SUPER MAX RMP SERIES	PROVIDE BATTERY BACKUP TO EMERGENCY FIXTURES.
R6	2X2 HIGH ABUSE, ANTI-LIGATURE LED LUMINAIRE	RECESSED	3500K 90CRI	50	4502	90	0-10V DIMMING DRIVER	UNV	POLYCARBONATE LENS	ANTI-LIGATURE RESISTANT	BY ARCHITECT	LUMINAIRE LED - SUPER MAX RMP SERIES	PROVIDE BATTERY BACKUP TO EMERGENCY FIXTURES.
S1	2X4 TROFFER LED LUMINAIRE	SURFACE	3500K 80CRI	25	3000	123	0-10V DIMMING DRIVER	UNV	A12 LENS	STEEL	BY ARCHITECT	LITHONIA LIGHTING - 2TLX4 SERIES	
S2	4'-0" STRIPLIGHT LED LUMINAIRE	WALL	3500K 80CRI	30	3000	100	0-10V DIMMING DRIVER	UNV	DROP LENS	STEEL	BY ARCHITECT	LITHONIA LIGHTING - ZL1D SERIES	
O1	4" DIAMETER, WET LISTED, HIGH ABUSE, ANTI-LIGATURE DOWNLIGHT LED LUMINAIRE	RECESSED	3500K 80CRI	26	2000	73	0-10V DIMMING DRIVER	UNV	CLEAR POLYCARBONATE LENS	ANTI-LIGATURE RESISTANT	BY ARCHITECT	LUMINAIRE LED - VRDL4 SERIES	PROVIDE INTEGRAL PHOTOCELL PROVIDE BATTERY BACKUP FOR EMERGENCY FIXTURES.
U1	32" UNDERCABINET LED LUMINAIRE	SURFACE	3500K 80CRI	15	810	54	0-10V DIMMING DRIVER	UNV	DIFFUSED LENS	ALUMINUM	BY ARCHITECT	KELVIX - UNICAB SERIES	
U1a	22" UNDERCABINET LED LUMINAIRE	SURFACE	3500K 80CRI	12	610	50	0-10V DIMMING DRIVER	UNV	DIFFUSED LENS	ALUMINUM	BY ARCHITECT	KELVIX - UNICAB SERIES	
X1	SINGLE/DOUBLE FACE EXIT SIGN	UNV	GREEN	5 WATTS	NA	NA	INTEGRAL	UNV	CLEAR ACRYLIC	ALUMINUM	BRUSHED ALUMINUM	LITHONIA LIGHTING - EDG SERIES	

LIGHTING CONTROL STATIONS						
CONTROL STATION DESIGNATION	ZONES CONTROLLED	BUTTON NUMBER	FUNCTION	LABEL	NOTES	
SLV#	ALL	1	ALL ON	A	# INDICATES UNIQUE SWITCH ID. REFER TO SEQUENCE OF OPERATIONS CONTROLS MATRIX FOR CORRESPONDING SPACE TYPE PROGRAMMING	
	After hours network lighting override - 2 hours only	2	ALL OFF	V		
SLVA	ALL	1	ALL ON	ON		ON/OFF SWITCH
		2	ALL OFF	OFF		
SLVB	ALL	1	ALL ON	ON	ONE ZONE	
		2	ALL OFF	OFF		
SLVC	a	3	a- HOLD DIM UP	A	TWO ZONES	
	a	4	a- HOLD DIM DOWN	V		
	ALL	1	ALL ON	ON		
	ALL	2	ALL OFF	OFF		
	a	3	a- HOLD DIM UP	A		
	a	4	a- HOLD DIM DOWN	V		
	b	5	b- HOLD DIM UP	A		
	b	6	b- HOLD DIM DOWN	V		
GENERAL NOTES: 1.) CONFIRM ALL OCCUPANCY SENSOR TIMEOUTS WITH OWNER.						

SEQUENCE OF OPERATIONS CONTROLS MATRIX									
NAME	MANUAL ON / MANUAL OFF SWITCH	MANUAL ON / VACANCY OFF	PARTIAL AUTOMATIC ON TO 50% OUTPUT USING OCCUPANCY SENSORS	4 BUTTON SWITCH: ON, DIMMING SCALING, OFF	PARTIAL AUTOMATIC OFF TO 50% OUTPUT USING OCCUPANCY SENSORS	AUTOMATIC FULL OFF USING OCCUPANCY SENSORS	TIMECLOCK SCHEDULED ON/OFF	NOTES	
INTERIOR									
COURTYARD VESTIBULE	X				X	X	X		
GENERAL STORAGE	X	X				X			
DENTAL VAC	X								
CIRCULATION	X				X		X		
YOUTH WAITING	X				X	X	X		
VAC STORE	X	X		X		X			
MED LAB	X	X		X		X			
SECURITY	X				X	X	X		
RECEIVING/STORAGE	X	X				X			
KIT	X	X		X		X			
MED SUPPLY	X	X		X		X			
MED ROOM	X	X		X		X			
NURSE SUPERVISOR	X			X		X			
NURSE SUPERVISOR	X			X		X			
MEETING ROOM	X	X		X		X			
NURSE STATION	X			X		X			
SHARED ROOM	X				X	X			
SHOWER ROOM						X			
PATIENT ROOM	X			X					
SEQUENCE OF OPERATION NOTES									
1.) OR APPROVED EQUAL.									
2.) CONFIRM TIMECLOCK SETPOINTS WITH OWNER.									
3.) 20 MINUTE TIMEOUT FOR ALL OCCUPANCY SENSORS.									
4.) OCCUPANCY SENSOR IN RESTROOM TO BE 100% OUTPUT AUTO-ON WITH 20 MINUTE TIMEOUT TO OFF.									
5.) OCCUPANCY SENSOR IN STAIRWELL TO BE 100% OUTPUT AUTO-ON WITH 20 MINUTE TIMEOUT TO 50% OUTPUT.									
6.) T.I. SPACES TO BE DESIGNED BY OTHERS. SCOPE TO PROVIDE MINIMAL CONTROL MEANS FOR WORK LIGHTING ONLY.									



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ELECTRICAL LIGHTING SCHEDULES

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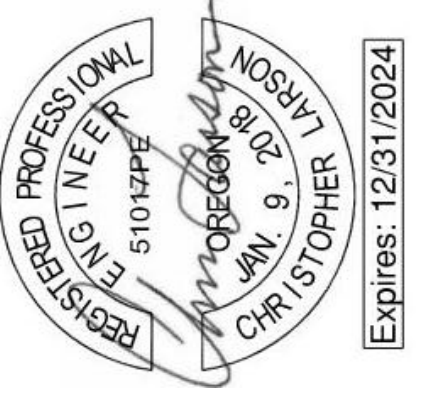


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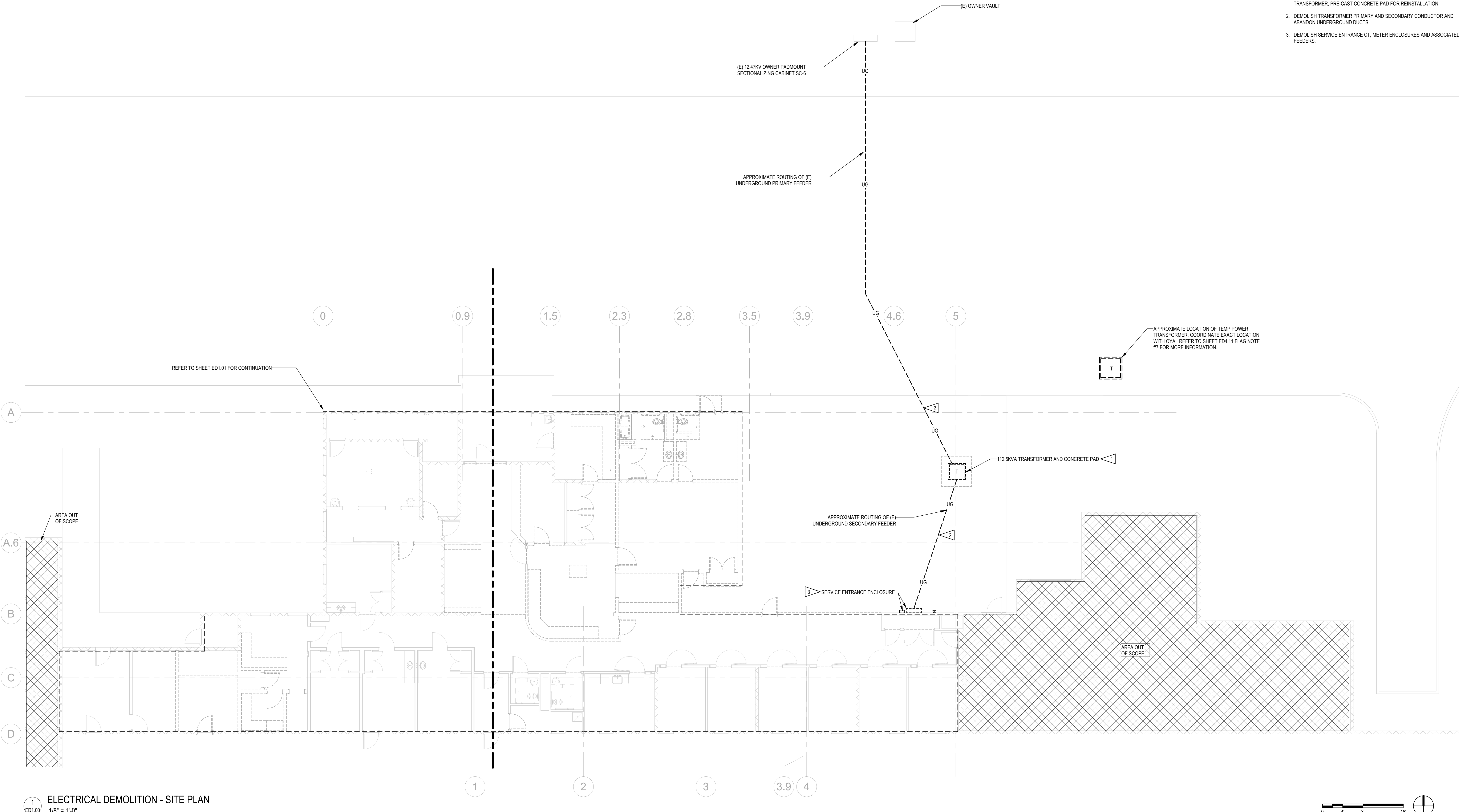
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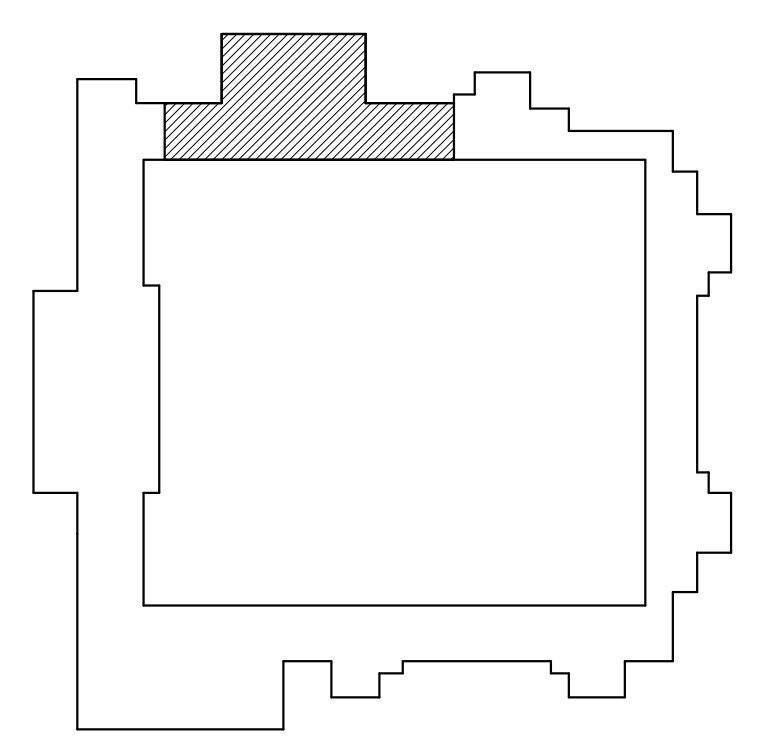
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MECHANICAL EQUIPMENT CONNECTION SCHEDULE														
SCHEDULE NOTES:					ABBREVIATION:					SCHEDULE GENERAL NOTES				
1) NEMA-3R FUSED DISCONNECT SWITCH					FLA: FULL LOAD AMPERES					A) DISCONNECTS ARE SHOWN AS FRAME RATING / FUSE SIZE.				
2) PROVIDE MOTOR-RATED SWITCH WITH WP COVER AS DISCONNECT.					HP: HORSEPOWER					B) PROVIDE DUST SMOKE DETECTORS FOR ALL HVAC UNITS SUPPLYING 2,000 CFM OR MORE.				
3) PROVIDE MOTOR-RATED SWITCH AS DISCONNECT.					KVA: KILOVOLT-AMPERES					C) ALL 120V, 15A AND 20A RECEPTACLES AND/OR EQUIPMENT CIRCUITS SHALL BE GFCI PROTECTED PER NOTE 8, UNLESS NOTED OTHERWISE!				
4) EXHAUST FAN SHARES CIRCUIT WITH OTHER EXHAUST FANS.					KW: KILOWATTS									
5) NEMA-1 FUSED DISCONNECT SWITCH					MCA: MINIMUM CIRCUIT AMPACITY									
6) INDOOR UNIT POWERED FROM OUTDOOR UNIT					MOCF: MAXIMUM OVERCURRENT PROTECTIVE DEVICE									
					OFDI: OWNER-FURNISHED, OWNER-INSTALLED									
					OFCS: OWNER-FURNISHED, CONTRACTOR-INSTALLED									
					W: WATTS									
					WP: WEATHERPROOF									
					VA: VOLT-AMPERES									
NO.	EQUIPMENT DESCRIPTION	LOCATION	VA	HP	KW	KVA	MCA	MOCF	VOLTAGE	PHASE	CONDUIT SIZE	WIRE SIZE	DISC/FUSE/POLES	NOTES
BS-01	BRANCH SELECTOR	GEN STORAGE 30	133			0.1	0.8	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
BS-02	BRANCH SELECTOR	GEN STORAGE 30	133			0.1	0.8	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
BS-03	BRANCH SELECTOR	GEN STORAGE 30	67			0.1	0.4	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
BS-04	BRANCH SELECTOR	CORRIDOR	133			0.1	0.8	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
CU-01	REMOTE CONDENSING UNIT	ROOF	2183			2.2	13.0	15 A	208	1	3/4"	3#12, 1#12 GND	30/15/3	2
EF-01	EXHAUST FAN	ROOF	100	0.0825		0.1	1.5	12 A	120	1	3/4"	2#12, 1#12 GND	20/-1	2
EF-02	EXHAUST FAN	LAB D11	43					15 A	120	1	3/4"	2#12, 1#12 GND	20/-1	2
ERV-01	ENERGY RECOVERY VENTILATOR	ROOF	3430	1.5		3.4	11.9	15 A	208	3	3/4"	3#12, 1#12 GND	30/15/3	1
ERV-02	ENERGY RECOVERY VENTILATOR	ROOF	1556	1		1.6	5.4	15 A	208	3	3/4"	3#12, 1#12 GND	30/15/3	1
ERV-03	ENERGY RECOVERY VENTILATOR	STORAGE 086	1664	0.11		1.7	10.0	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	1
ERV-04	ENERGY RECOVERY VENTILATOR	ROOF	1498			1.5	9.0	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	1
ERV-05	ENERGY RECOVERY VENTILATOR	LOCKERS 80	1664			1.7	10.0	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
EWH-01	ELECTRIC WALL HEATER	JAN CLOSET 77	1000			1.0	8.4	15 A	120	1	3/4"	2#12, 1#12 GND	30/15/1	5
EWH-02	ELECTRIC WALL HEATER	STAFF TLT 82	1000			1.0	8.4	15 A	120	1	3/4"	2#12, 1#12 GND	20/-1	3
EWH-03	ELECTRIC WALL HEATER	STAFF TLT 83	1000			1.0	8.4	15 A	120	1	3/4"	2#12, 1#12 GND	20/-1	3
FCU-01	FAN COIL	OFFICE D21	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-02	FAN COIL	HALLWAY D01	707			0.7	3.4	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-03	FAN COIL	OFFICE D22	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-04	FAN COIL	OFFICE 62	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-05	FAN COIL	CORRIDOR	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-06	FAN COIL	MED SUPPLY 31	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-07	FAN COIL	CORRIDOR	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-08	FAN COIL	EXAM RM 60	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-09	FAN COIL	HALLWAY C30	267			0.3	1.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-10	FAN COIL	CORRIDOR	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-11	FAN COIL	NURSE RM 63	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-12	FAN COIL	CORRIDOR	566			0.6	3.4	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-13	FAN COIL	MED LAB 40	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-14	FAN COIL	STORAGE 41	267			0.3	1.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-15	FAN COIL	STORAGE 41	233			0.2	1.4	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-16	FAN COIL	STORAGE 41	250			0.3	1.5	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
		HALLWAY												
FCU-17	FAN COIL	MED LAB 40	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-18	FAN COIL	NURSE STATION 42	100			0.1	0.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-19	FAN COIL	DAY RM	466			0.5	2.8	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-20	FAN COIL	PATIENT RM 54	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-21	FAN COIL	PATIENT RM 53	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-22	FAN COIL	PATIENT RM 52	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-23	FAN COIL	PATIENT RM 51	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-24	FAN COIL	LOCKERS 80	267			0.3	1.6	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-25	FAN COIL	BREAK RM 81	50			0.1	0.3	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5
FCU-26	FAN COIL	IDF CLOSET	2164			2.2	13.0	15 A	208	1	3/4"	2#12, 1#12 GND	30/15/2	5,6
HP-01	HEAT PUMP	ROOF	17221			17.2	47.8	50 A	208	3	1"	3#6, 1#10 GND	60/50/3	1
HP-01D	HEAT PUMP	ROOF	2746			2.7	16.5	20 A	208	1	3/4"	2#12, 1#12 GND	30/20/2	1
HP-02	HEAT PUMP	ROOF	10981			11.0	38.1	45 A	208	3	1"	3#6, 1#10 GND	60/45/3	1
HP-02D	HEAT PUMP	ROOF	4842			4.8	29.1	35 A	208	1	3/4"	2#8, 1#10 GND	60/35/3	1



1 ELECTRICAL DEMOLITION - SITE PLAN
ED1.00 1/8" = 1'-0"

KEY PLAN



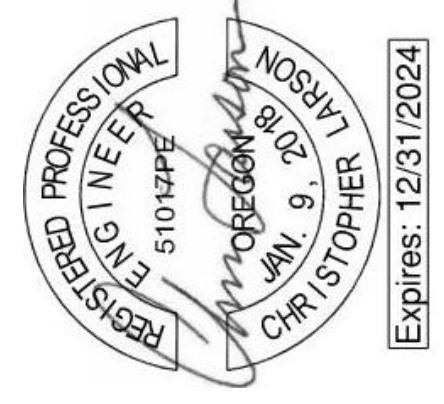
- SHEET NOTES**
- A. DEMOLITION PLANS ARE BASED UPON FIELD SURVEY AND AVAILABLE RECORD DRAWINGS AT TIME OF DESIGN. VISIT SITE PRIOR TO BID AND VERIFY THE EXTENT OF DEMOLITION WORK REQUIRED.
 - B. REFER TO DEMOLITION NOTES ON SHEET ED.00 FOR ADDITIONAL REQUIREMENTS.
 - C. COORDINATE ELECTRICAL DEMOLITION WITH OTHER TRADES.
 - D. ENGAGE A LOCATING SERVICE TO IDENTIFY AND TRACE ROUTING OF UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
- FLAG NOTES**
- 1. DISCONNECT PRIMARY/SECONDARY FEEDERS AT TRANSFORMER AND RETAIN TRANSFORMER, PRE-CAST CONCRETE PAD FOR REINSTALLATION.
 - 2. DEMOLISH TRANSFORMER PRIMARY AND SECONDARY CONDUCTOR AND ABANDON UNDERGROUND DUCTS.
 - 3. DEMOLISH SERVICE ENTRANCE CT, METER ENCLOSURES AND ASSOCIATED FEEDERS.

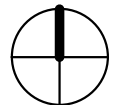
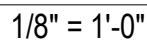
ELECTRICAL
DEMOLITION - SITE
PLAN
ED1.00



**MacLAREN INFIRMARY & PHARMACY
RENOVATION**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071

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Phone: 503/224-4848



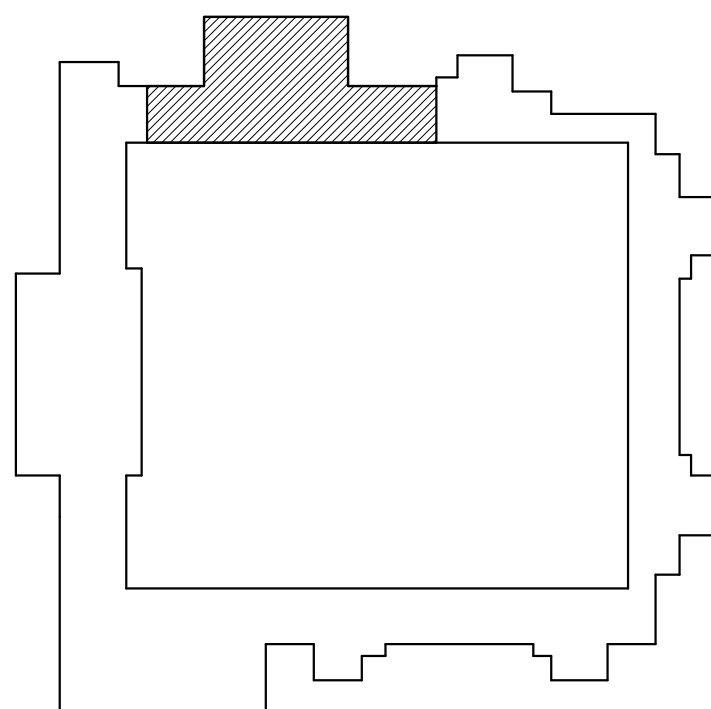
SHEET NOTES

- A. DEMOLITION PLANS ARE BASED UPON FIELD SURVEY AND AVAILABLE RECORD DRAWINGS AT TIME OF DESIGN. CONTRACTOR VISIT SITE PRIOR TO BID AND VERIFY THE EXTENT OF DEMOLITION WORK REQUIRED.
- B. REFER TO DEMOLITION NOTES ON SHEET ED.00 FOR ADDITIONAL REQUIREMENTS.
- C. COORDINATE ELECTRICAL DEMOLITION WITH OTHER TRADES.
- D. PROTECT EXISTING LIGHTING, RECEPTACLE, FIRE ALARM, AND OTHER LOW-VOLTAGE SYSTEM CABLEING, CONDUIT/CONDUCTORS PASSING THRU OUT OF SCOPE AREA.

FLAG NOTES

1. TEMPORARILY REMOVE FIXTURES IN AREA AS REQUIRED TO ALLOW FOR HVAC MODIFICATIONS. RETAIN, CLEAN, AND STORE FIXTURES FOR REINSTALLATION. DISCONNECT ASSOCIATED CIRCUIT. CONDUIT/CONDUCTORS, REMOVE BACK AS NEEDED.
2. DEMOLISH LIGHT FIXTURE, CONTROLS AND ASSOCIATED CIRCUIT. CONDUIT/CONDUCTORS BACK TO NEAREST JUNCTION BOX AND PREP FOR REINSTALLATION. MAINTAIN ANY EXISTING CIRCUIT(S) FOR DOWNSTREAM DEVICES AS REQUIRED.

KEY PLAN



ELECTRICAL
DEMOLITION - LIGHTING
PLAN - OVERALL

ED3.00

MacLAREN INFIRMARY & PHARMACY

RENOVATION

OREGON YOUTH AUTHORITY

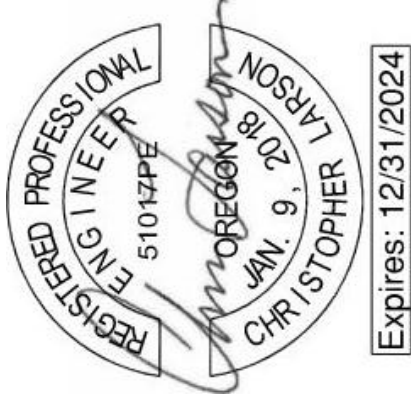
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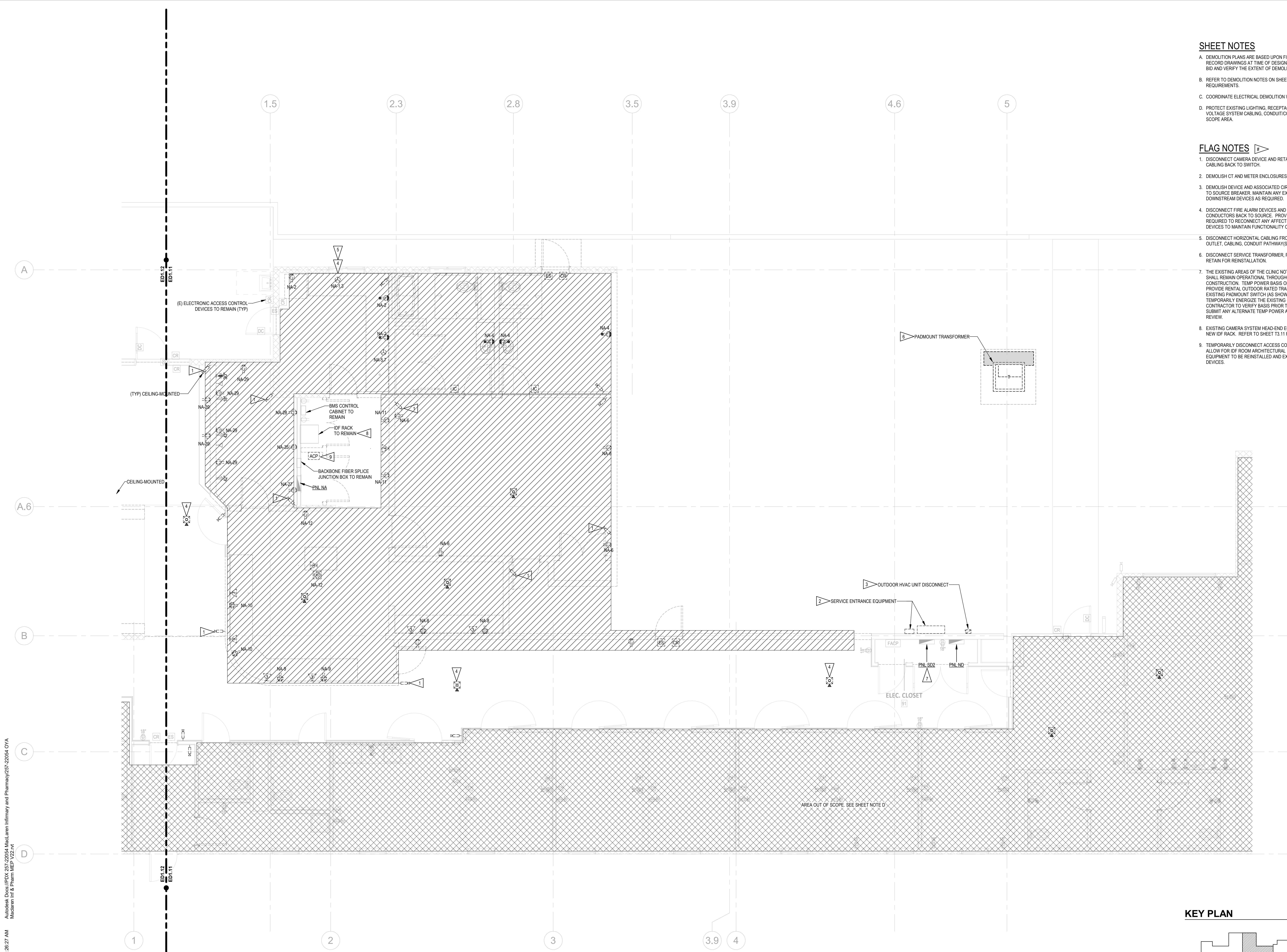
CONSTRUCTION DOCUMENTS



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SAZAN# 257-22054

CLARK KOS ARCHITECTS, LLC

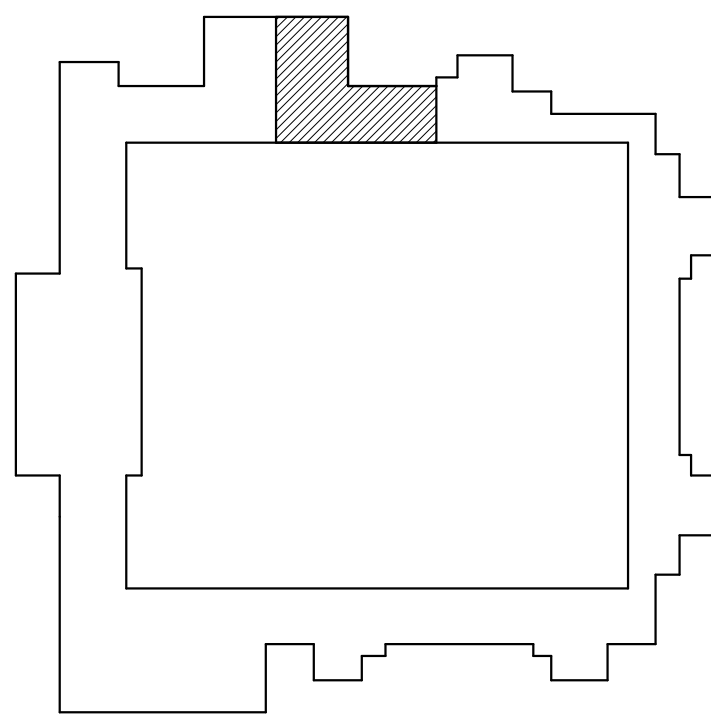
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- SHEET NOTES**
- DEMOLITION PLANS ARE BASED UPON FIELD SURVEY AND AVAILABLE RECORD DRAWINGS AT TIME OF DESIGN. CONTRACTOR VISIT SITE PRIOR TO BID AND VERIFY THE EXTENT OF DEMOLITION WORK REQUIRED.
 - REFER TO DEMOLITION NOTES ON SHEET ED.00 FOR ADDITIONAL REQUIREMENTS.
 - COORDINATE ELECTRICAL DEMOLITION WITH OTHER TRADES.
 - PROTECT EXISTING LIGHTING, RECEPTACLE, FIRE ALARM, AND OTHER LOW-VOLTAGE SYSTEM CABLING, CONDUIT/CONDUCTORS PASSING THRU OUT OF SCOPE AREA.

- FLAG NOTES**
- DISCONNECT CAMERA DEVICE AND RETAIN FOR REINSTALLATION. REMOVE CABLING BACK TO SWITCH.
 - DEMOLISH CT AND METER ENCLOSURES.
 - DEMOLISH DEVICE AND ASSOCIATED CIRCUIT CONDUIT/CONDUCTORS BACK TO SOURCE BREAKER. MAINTAIN ANY EXISTING CIRCUIT(S) FOR DOWNSTREAM DEVICES AS REQUIRED.
 - DISCONNECT FIRE ALARM DEVICES AND DEMOLISH CONDUIT AND CONDUCTORS BACK TO SOURCE. PROVIDE ANY CONDUIT AND CABLING AS REQUIRED TO RECONNECT ANY AFFECTED UPSTREAM OR DOWNSTREAM DEVICES TO MAINTAIN FUNCTIONALITY OF FIRE ALARM SYSTEM.
 - DISCONNECT HORIZONTAL CABLING FROM DATA OUTLET AND DEMOLISH OUTLET, CABLING, CONDUIT PATHWAY(S) IN THEIR ENTIRETY.
 - DISCONNECT SERVICE TRANSFORMER, PRE-CAST CONCRETE PAD AND RETAIN FOR REINSTALLATION.
 - THE EXISTING AREAS OF THE CLINIC NOT AFFECTED BY THE DEMOLITION SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION. TEMP POWER BASIS OF DESIGN. THE CONTRACTOR TO PROVIDE RENTAL OUTDOOR RATED TRANSFORMER TO TIE INTO THE EXISTING PADMOUNT SWITCH (AS SHOWN ON SHEET ED.01) AND TEMPORARILY ENERGIZE THE EXISTING 100A DISTRIBUTION PANEL SD-2. CONTRACTOR TO VERIFY BASIS PRIOR TO STARTING CONSTRUCTION AND SUBMIT ANY ALTERNATE TEMP POWER APPROACHES TO EOR AND OYA FOR REVIEW.
 - EXISTING CAMERA SYSTEM HEAD-END EQUIPMENT TO BE RELOCATED TO NEW IDF RACK. REFER TO SHEET T3.11 FOR MORE INFORMATION.
 - TEMPORARILY DISCONNECT ACCESS CONTROL CABINET AS REQUIRED TO ALLOW FOR IDF ROOM ARCHITECTURAL MODIFICATIONS. HEAD-END EQUIPMENT TO BE REINSTALLED AND EXPANDED TO SUPPORT ADDITIONAL DEVICES.

KEY PLAN



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RENOVATION
OREGON YOUTH AUTHORITY**
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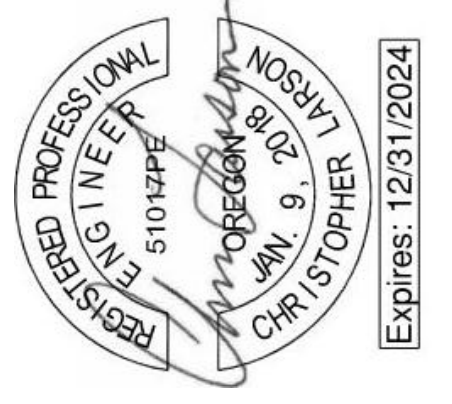


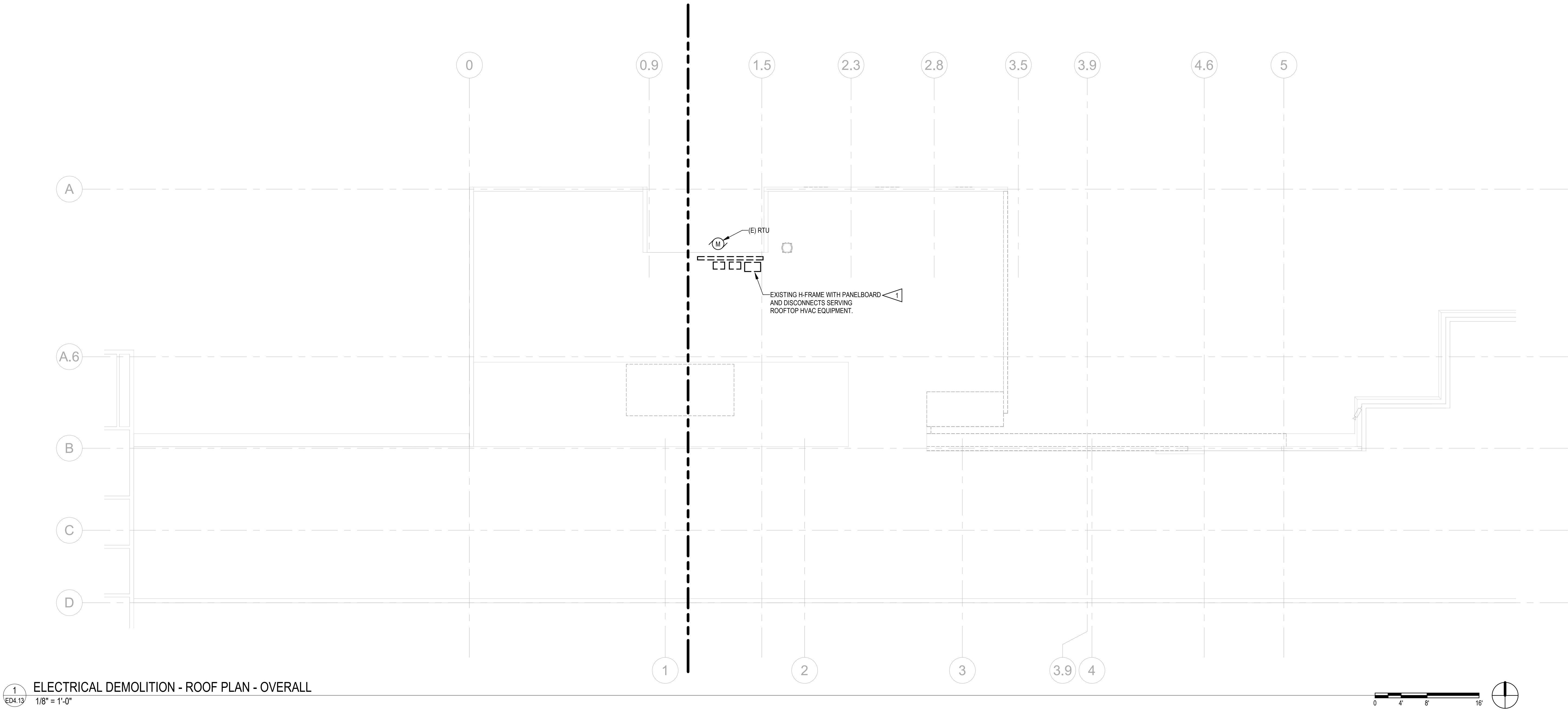
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ELECTRICAL
DEMOLITION - FIRST
FLOOR PLAN - PATIENT
AREA

ED4.11

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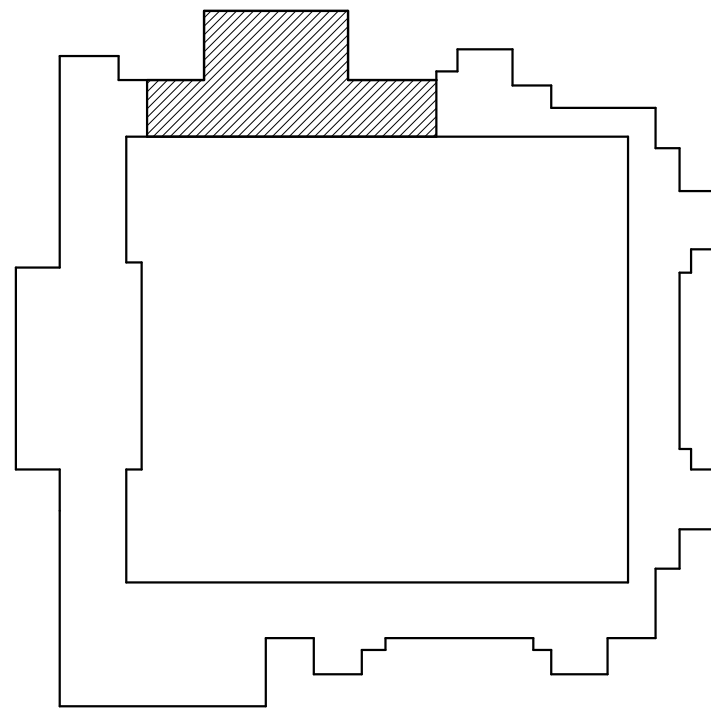
SHEET NOTES

- A. DEMOLITION PLANS ARE BASED UPON FIELD SURVEY AND AVAILABLE RECORD DRAWINGS AT TIME OF DESIGN. VISIT SITE PRIOR TO BID AND VERIFY THE EXTENT OF DEMOLITION WORK REQUIRED.
- B. REFER TO DEMOLITION NOTES ON SHEET ED.00 FOR ADDITIONAL REQUIREMENTS.
- C. COORDINATE ELECTRICAL DEMOLITION WITH OTHER TRADES.
- D. DEMOLISH CIRCUITS SERVING ROOFTOP HVAC UNITS IN THEIR ENTIRETY BACK TO SOURCE PANEL.

FLAG NOTES

1. DEMOLISH DEVICE AND ASSOCIATED CIRCUIT CONDUIT/CONDUCTORS BACK TO SOURCE BREAKER. MAINTAIN ANY EXISTING CIRCUIT(S) FOR DOWNSTREAM DEVICES AS REQUIRED.

KEY PLAN



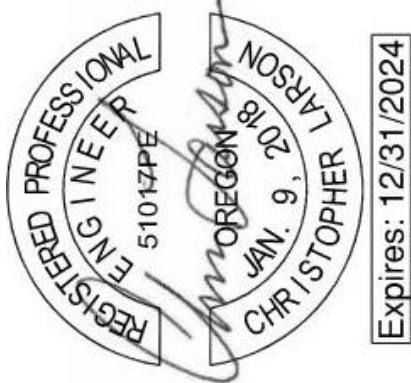
**ELECTRICAL
DEMOLITION - ROOF
PLAN - OVERALL**

ED4.13



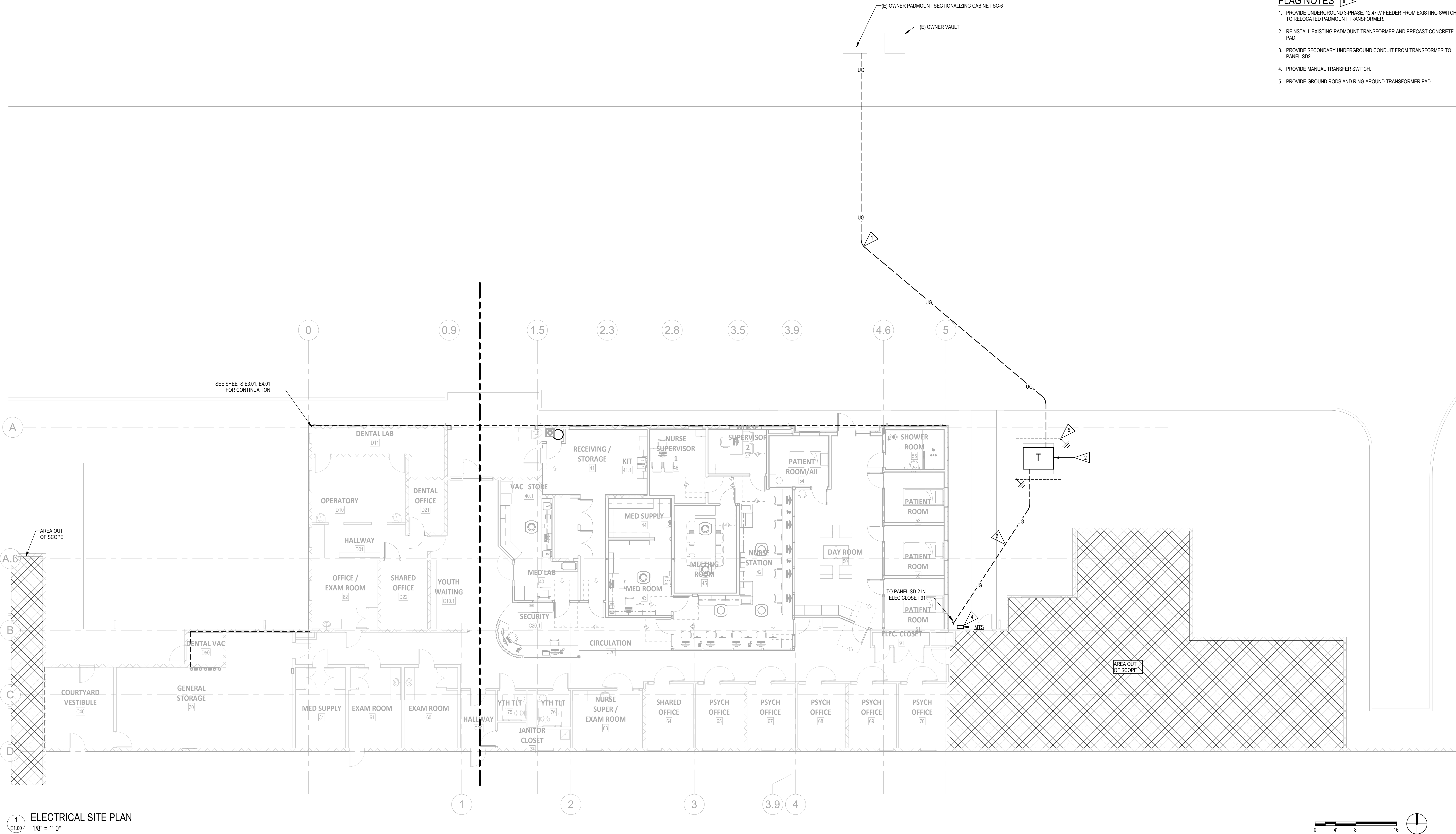
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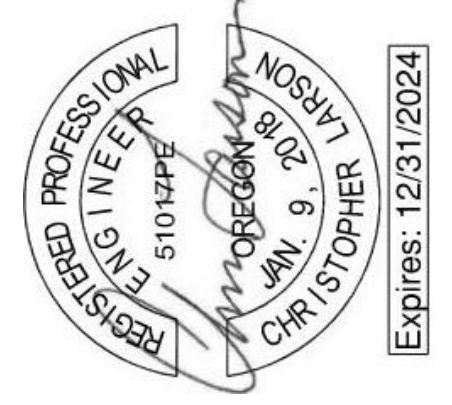


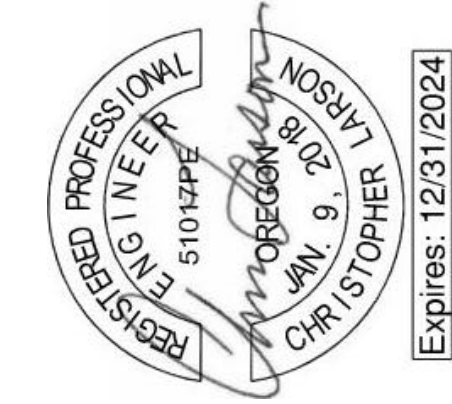
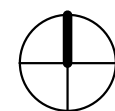
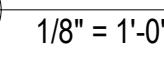
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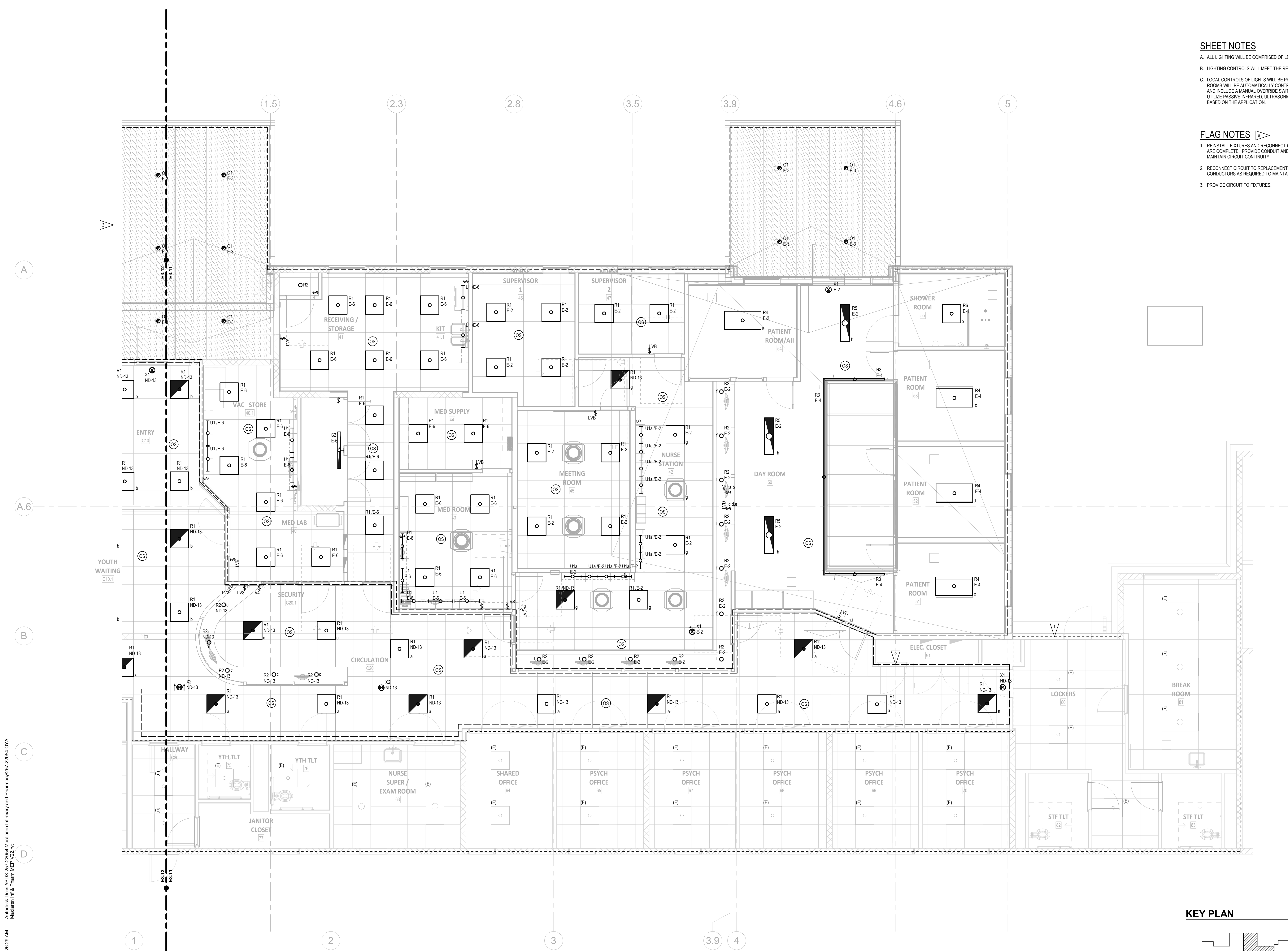
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- SHEET NOTES**
- A. ENGAGE A LOCATING SERVICE TO IDENTIFY AND TRACE ROUTING OF UNDERGROUND UTILITIES PRIOR TO EXCAVATING FOR ELECTRICAL INSTALLATION.
- B. ROUTING SHOWN IS DIAGMMATIC. DETERMINE EXACT ROUTING IN FIELD.
- C. REFER TO ONE LINE DIAGRAM SHEET E6.00 FOR MORE INFORMATION.
- D. REFER TO SPECIFICATION 26 0533.16 BOXES FOR ELECTRICAL SYSTEMS FOR ADDITIONAL REQUIREMENTS.
- FLAG NOTES**
1. PROVIDE UNDERGROUND 3-PHASE, 12.47KV FEEDER FROM EXISTING SWITCH TO RELOCATED PADMOUNT TRANSFORMER.
2. REINSTALL EXISTING PADMOUNT TRANSFORMER AND PRECAST CONCRETE PAD.
3. PROVIDE SECONDARY UNDERGROUND CONDUIT FROM TRANSFORMER TO PANEL SD2.
4. PROVIDE MANUAL TRANSFER SWITCH.
5. PROVIDE GROUND RODS AND RING AROUND TRANSFORMER PAD.



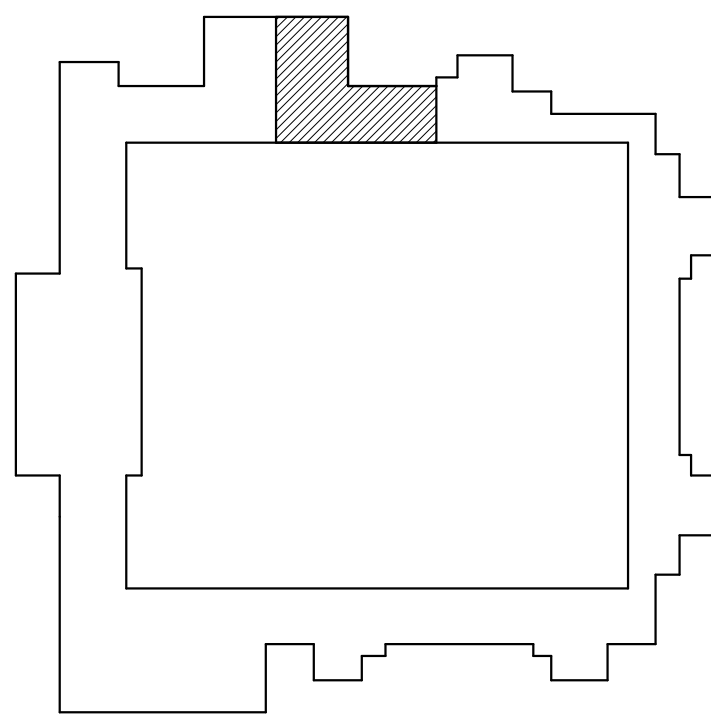




1 ELECTRICAL LIGHTING - FIRST FLOOR PLAN - PATIENT AREA
1/4" = 1'-0"

- SHEET NOTES**
- A. ALL LIGHTING WILL BE COMPRISED OF LED SOURCE LUMNAIRES.
 - B. LIGHTING CONTROLS WILL MEET THE REQUIREMENTS OF THE 2021 CEESC.
 - C. LOCAL CONTROLS OF LIGHTS WILL BE PROVIDED IN EACH ROOM. ENCLOSED ROOMS WILL BE AUTOMATICALLY CONTROLLED VIA OCCUPANCY SENSORS AND INCLUDE A MANUAL OVERRIDE SWITCH. OCCUPANCY SENSORS WILL UTILIZE PASSIVE INFRARED, ULTRASONIC AND DUAL TECHNOLOGY SENSOR BASED ON THE APPLICATION.
- FLAG NOTES**
- 1. REINSTALL FIXTURES AND RECONNECT CIRCUIT AFTER HVAC MODIFICATIONS ARE COMPLETE. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED TO MAINTAIN CIRCUIT CONTINUITY.
 - 2. RECONNECT CIRCUIT TO REPLACEMENT FIXTURES. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
 - 3. PROVIDE CIRCUIT TO FIXTURES.

KEY PLAN



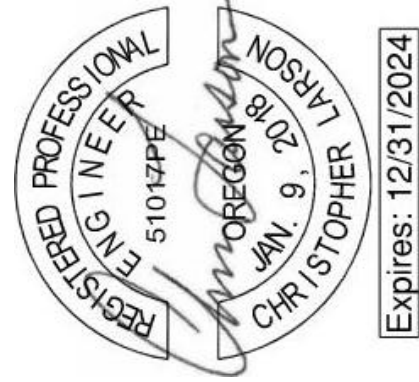
ELECTRICAL LIGHTING -
FIRST FLOOR PLAN -
PATIENT AREA

E3.11



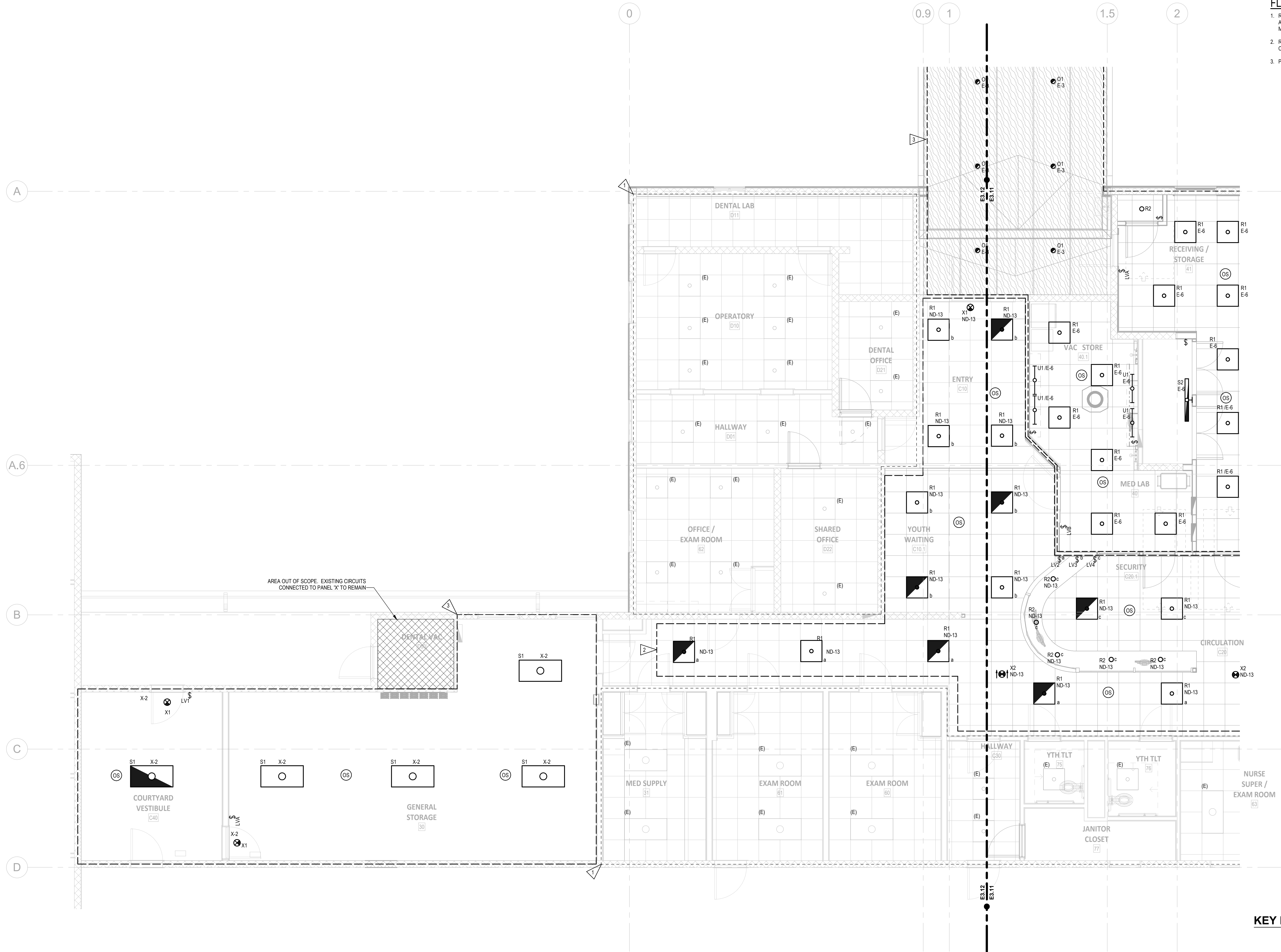
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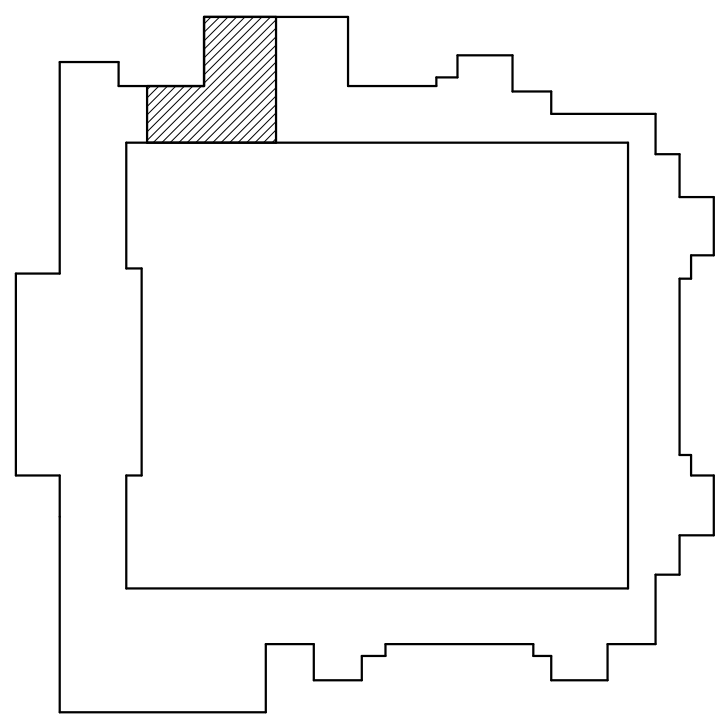
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1 ELECTRICAL LIGHTING - FIRST FLOOR PLAN - STORAGE AREA
E3.12 1/4" = 1'-0"

KEY PLAN



SHEET NOTES

- ALL LIGHTING WILL BE COMPRISED OF LED SOURCE LUMNAIRES.
- LIGHTING CONTROLS WILL MEET THE REQUIREMENTS OF THE 2021 CEESC.
- LOCAL CONTROLS OF LIGHTS WILL BE PROVIDED IN EACH ROOM. ENCLOSED ROOMS WILL BE AUTOMATICALLY CONTROLLED VIA OCCUPANCY SENSORS AND INCLUDE A MANUAL OVERRIDE SWITCH. OCCUPANCY SENSORS WILL UTILIZE PASSIVE INFRARED, ULTRASONIC AND DUAL TECHNOLOGY SENSOR BASED ON THE APPLICATION.

FLAG NOTES

- REINSTALL FIXTURES AND RECONNECT CIRCUIT AFTER HVAC MODIFICATIONS ARE COMPLETE. PROVIDE CONDUIT AND CONDUCTORS AS NECESSARY TO MAINTAIN CIRCUIT CONTINUITY.
- RECONNECT CIRCUIT TO REPLACEMENT FIXTURES. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
- PROVIDE CIRCUIT TO FIXTURES.

MacLAREN INFIRMARY & PHARMACY
RENOVATION

OREGON YOUTH AUTHORITY

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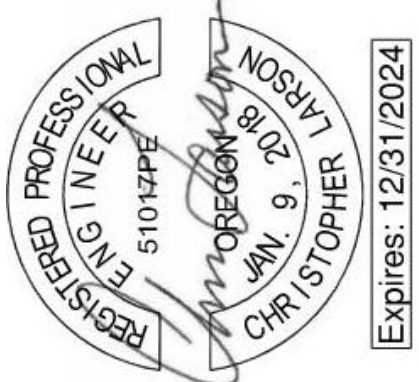


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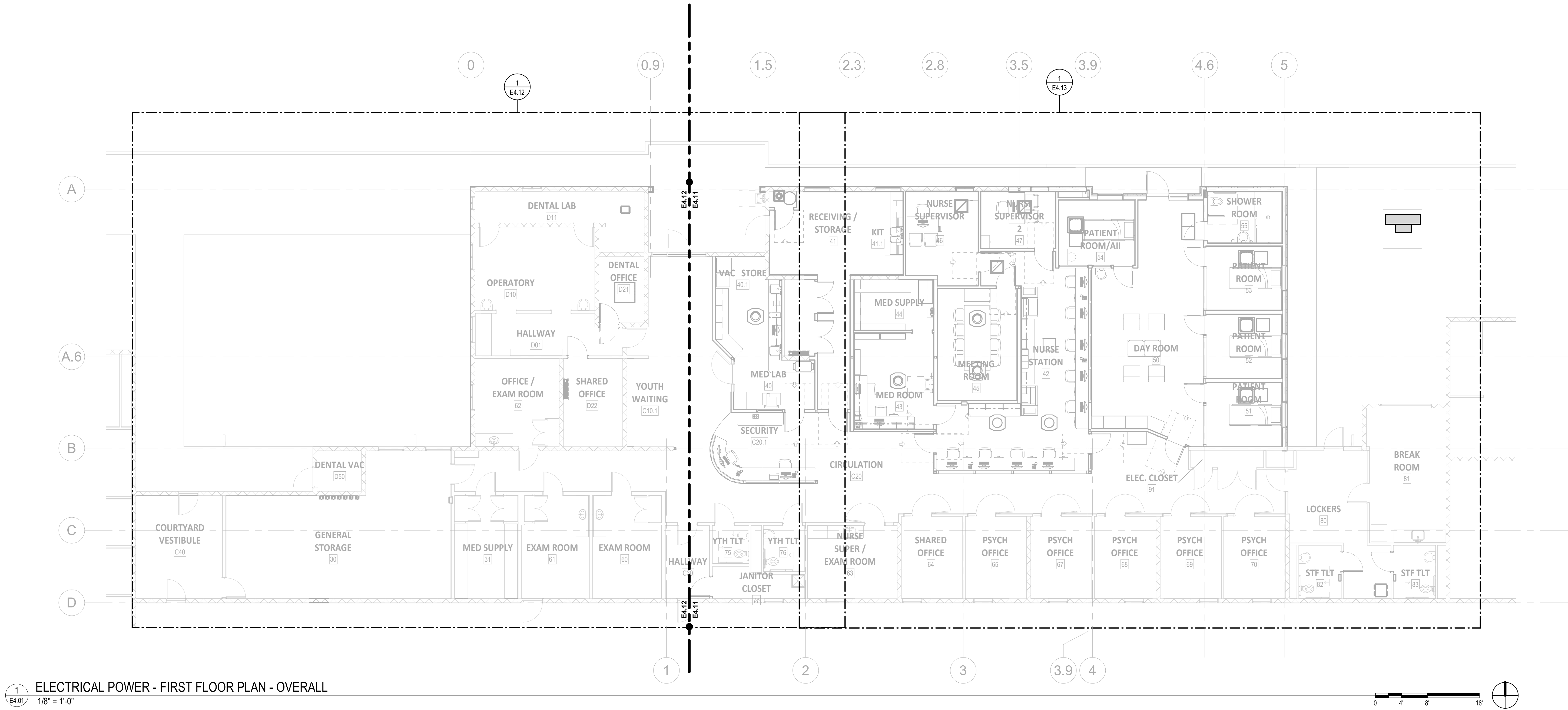
ELECTRICAL LIGHTING -
FIRST FLOOR PLAN -
STORAGE AREA

E3.12

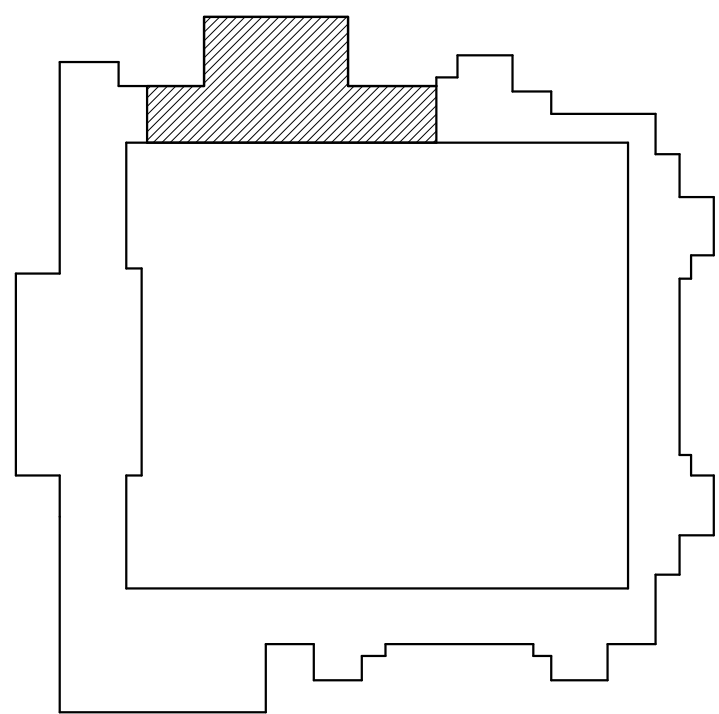
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KEY PLAN



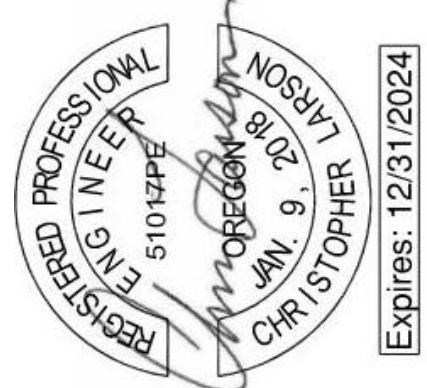
ELECTRICAL POWER -
FIRST FLOOR PLAN -
OVERALL

E4.01



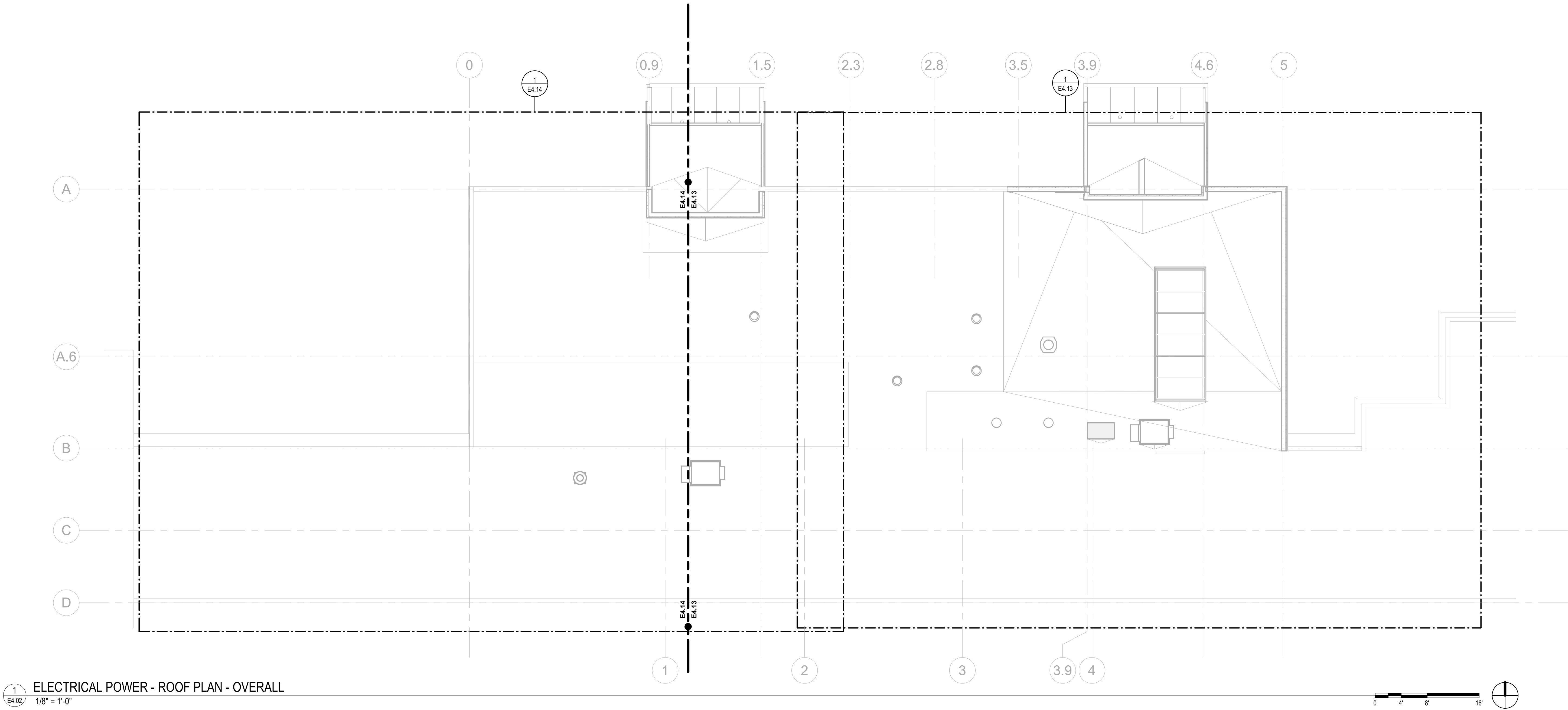
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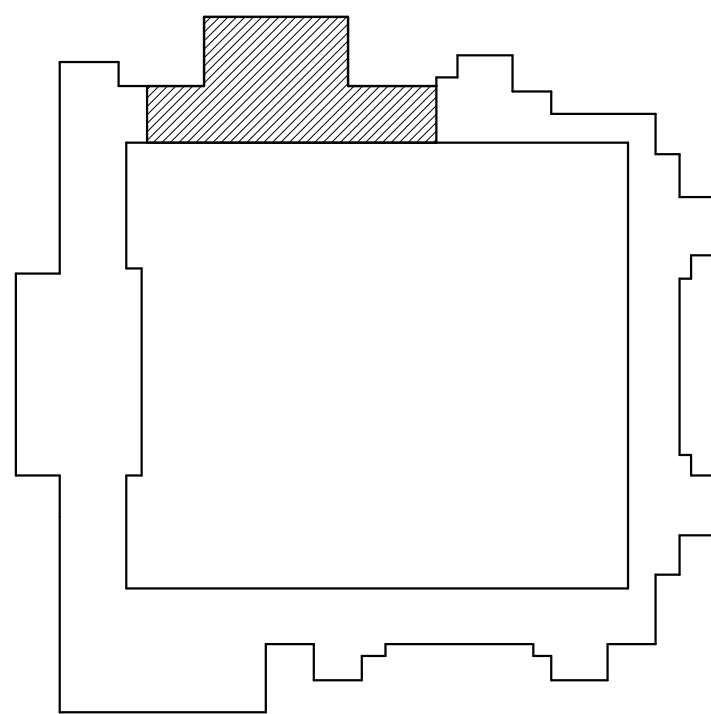
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1 ELECTRICAL POWER - ROOF PLAN - OVERALL
E4.02/ 1/8" = 1'-0"

KEY PLAN



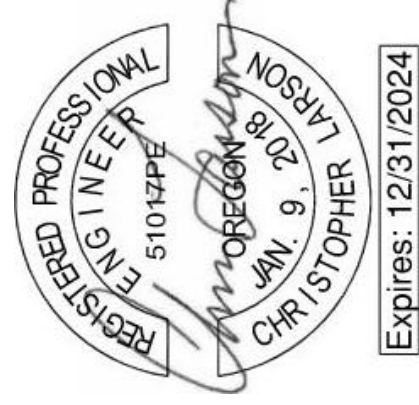
ELECTRICAL POWER -
ROOF PLAN - OVERALL

E4.02



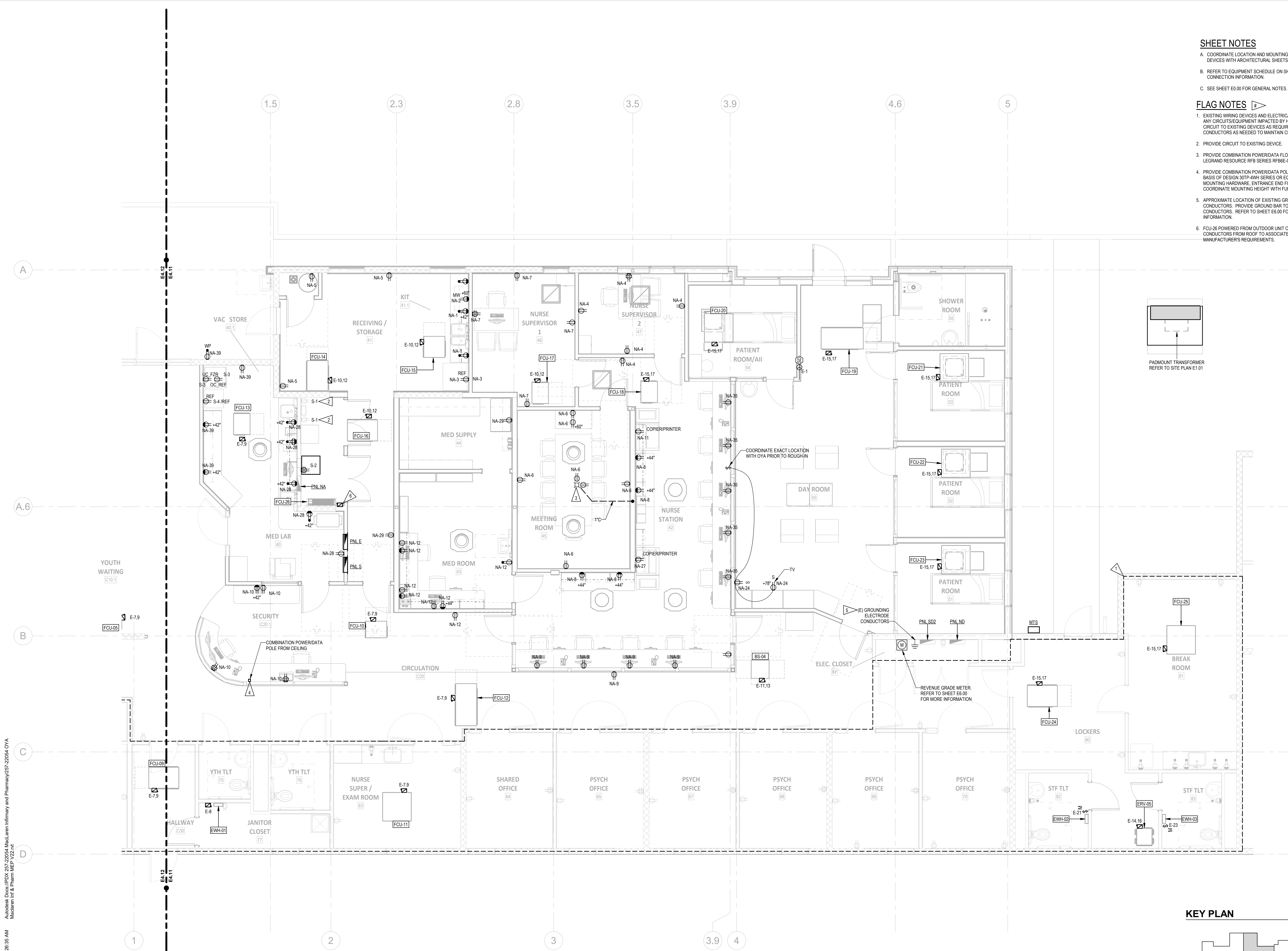
ISSUE DATE: 08.25.2023
REVISIONS:

**MacLAREN INFIRMARY & PHARMACY
RENOVATION**
OREGON YOUTH AUTHORITY
2630 N PACIFIC HWY. WOODBURN, OR 97071



SÄZÄN GROUP
111 SW Fifth Ave, Ste 3210
Portland, Oregon 97204
Tel 503.416.2400
SAZAN# 257-22054

CLARK KJOSS ARCHITECTS, LLC
621 SW Alder St, Suite 700
Portland, OR 97205
Phone: 503/224-4848

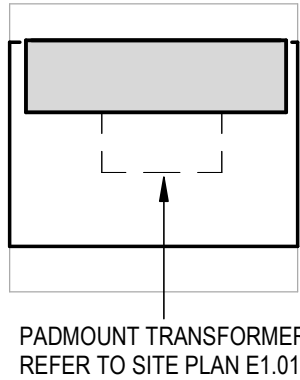


SHEET NOTES

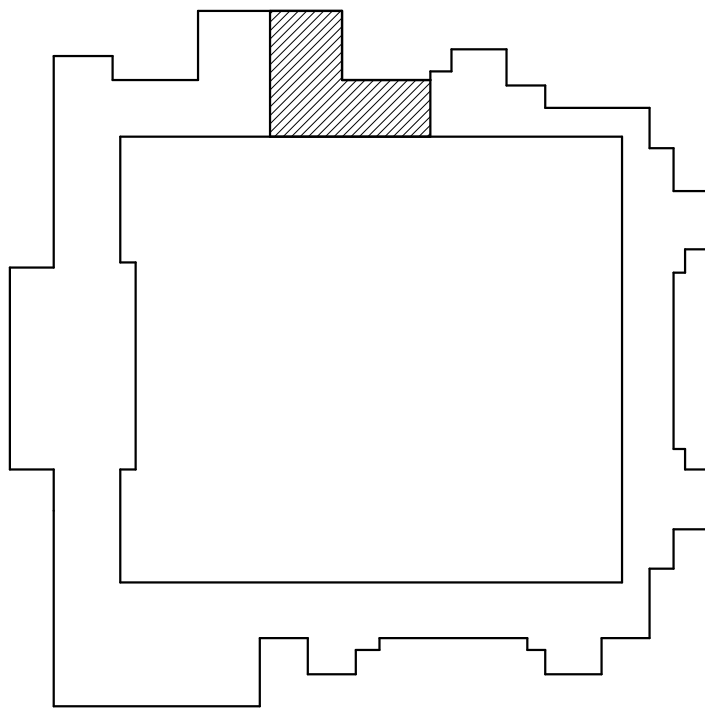
- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS.
- B. REFER TO EQUIPMENT SCHEDULE ON SHEET E2.01 FOR ADDITIONAL CONNECTION INFORMATION.
- C. SEE SHEET E0.00 FOR GENERAL NOTES.

FLAG NOTES

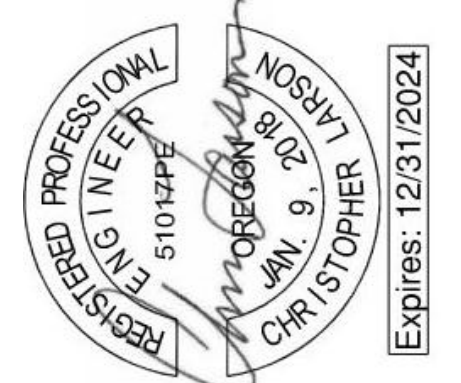
1. EXISTING WIRING DEVICES AND ELECTRICAL CONNECTIONS TO REMAIN. FOR ANY CIRCUITS/EQUIPMENT IMPACTED BY HVAC MODIFICATIONS, RECONNECT CIRCUIT TO EXISTING DEVICES AS REQUIRED AND PROVIDE CONDUIT AND CONDUCTORS AS NEEDED TO MAINTAIN CIRCUIT CONTINUITY.
2. PROVIDE CIRCUIT TO EXISTING DEVICE.
3. PROVIDE COMBINATION POWERDATA FLOOR BOX. BASIS OF DESIGN: LEGRAND RESOURCE RFB SERIES RFB8E-OG OR APPROVED EQUAL.
4. PROVIDE COMBINATION POWERDATA POLE FROM CEILING DOWN TO DESK. BASIS OF DESIGN 30TP-4WH SERIES OR EQUAL. FURNISHED NECESSARY MOUNTING HARDWARE, ENTRANCE END FITTING AND CEILING TRIM PLATE. COORDINATE MOUNTING HEIGHT WITH FURNITURE INSTALLER.
5. APPROXIMATE LOCATION OF EXISTING GROUNDING ELECTRODE SYSTEM CONDUCTORS. PROVIDE GROUND BAR TO INTERCEPT EXISTING CONDUCTORS. REFER TO SHEET E6.00 FOR TIE AND CONNECTION INFORMATION.
6. FCU-26 POWERED FROM OUTDOOR UNIT CU-01. PROVIDE CONDUIT AND CONDUCTORS FROM ROOF TO ASSOCIATED INDOOR UNIT PER MANUFACTURER'S REQUIREMENTS.



KEY PLAN



1 ELECTRICAL POWER - FIRST FLOOR PLAN - PATIENT AREA
1/4" = 1'-0"





- SHEET NOTES**
- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS.
- B. REFER TO EQUIPMENT SCHEDULE ON SHEET E2.01 FOR ADDITIONAL CONNECTION INFORMATION.
- C. SEE SHEET E0.00 FOR GENERAL NOTES.
- FLAG NOTES**
1. EXISTING WIRING DEVICES AND ELECTRICAL CONNECTIONS TO REMAIN. FOR ANY CIRCUITS/EQUIPMENT IMPACTED BY HVAC MODIFICATIONS, RECONNECT CIRCUIT TO EXISTING DEVICES AS REQUIRED AND PROVIDE CONDUIT AND CONDUCTORS AS NEEDED TO MAINTAIN CIRCUIT CONTINUITY.
2. EXTEND UNIT HEATER CIRCUIT TO PANEL 'X'.
3. EXTEND EXISTING CIRCUITS PREVIOUSLY CONNECTED TO PANEL 'E' TO PANEL 'X'. REFER TO PANEL SCHEDULE ON SHEET E0.00 FOR MORE INFORMATION.

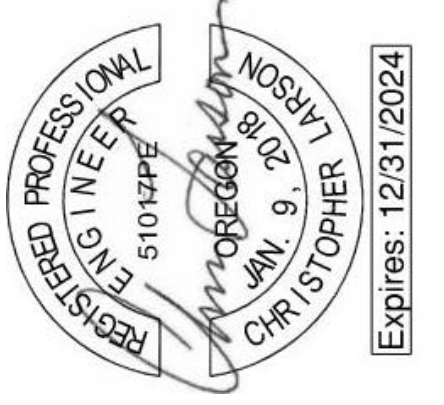
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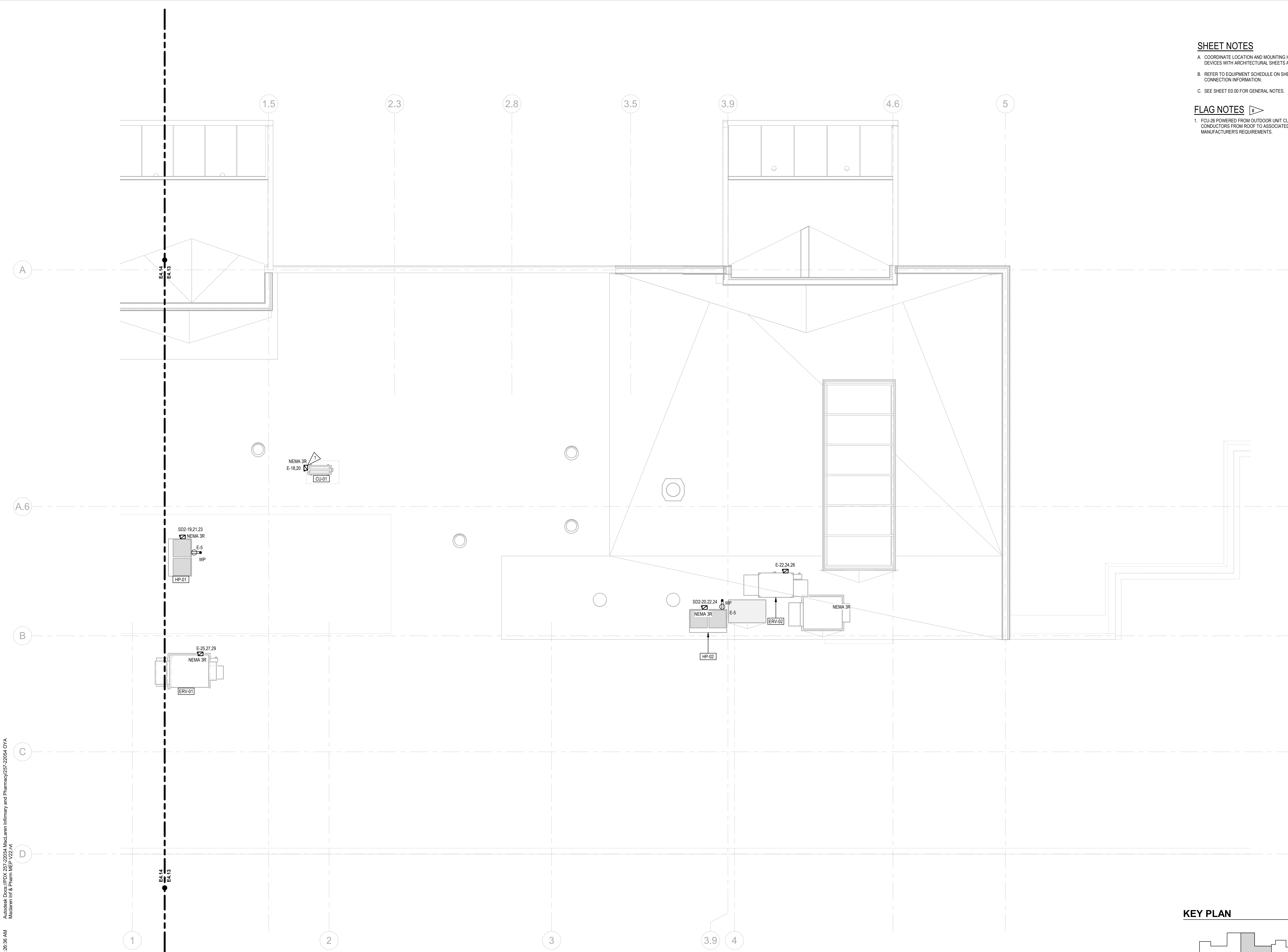
ELECTRICAL POWER -
FIRST FLOOR PLAN -
STORAGE AREA

E4.12



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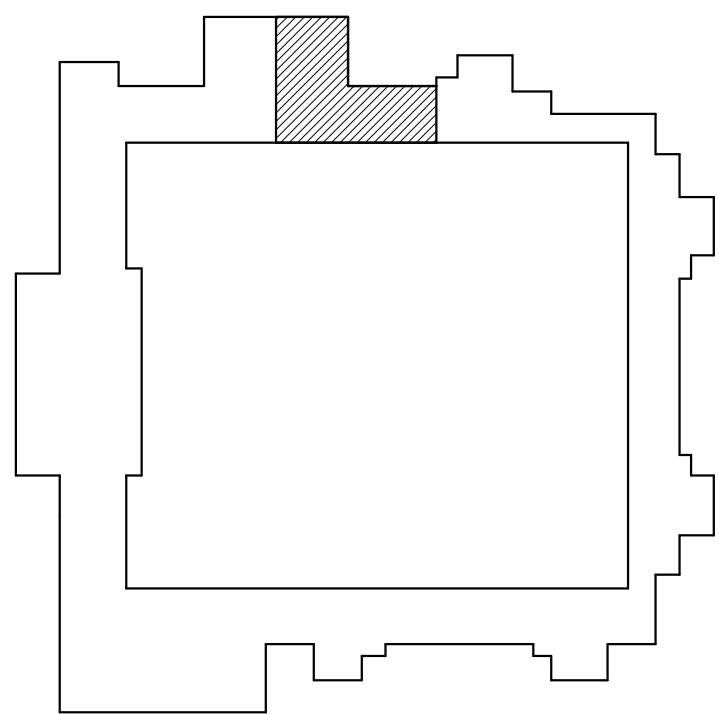
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1 ELECTRICAL POWER - ROOF PLAN - PATIENT AREA
1/4" = 1'-0"



KEY PLAN



SHEET NOTES

- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS.
- B. REFER TO EQUIPMENT SCHEDULE ON SHEET E2.01 FOR ADDITIONAL CONNECTION INFORMATION.
- C. SEE SHEET E0.00 FOR GENERAL NOTES.

FLAG NOTES

1. FCU-26 POWERED FROM OUTDOOR UNIT CU-01. PROVIDE CONDUIT AND CONDUCTORS FROM ROOF TO ASSOCIATED INDOOR UNIT PER MANUFACTURER'S REQUIREMENTS.

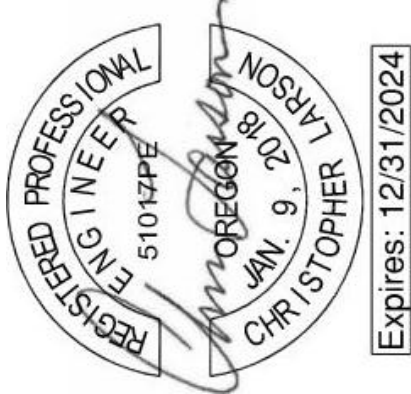


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ELECTRICAL POWER -
ROOF PLAN - PATIENT
AREA

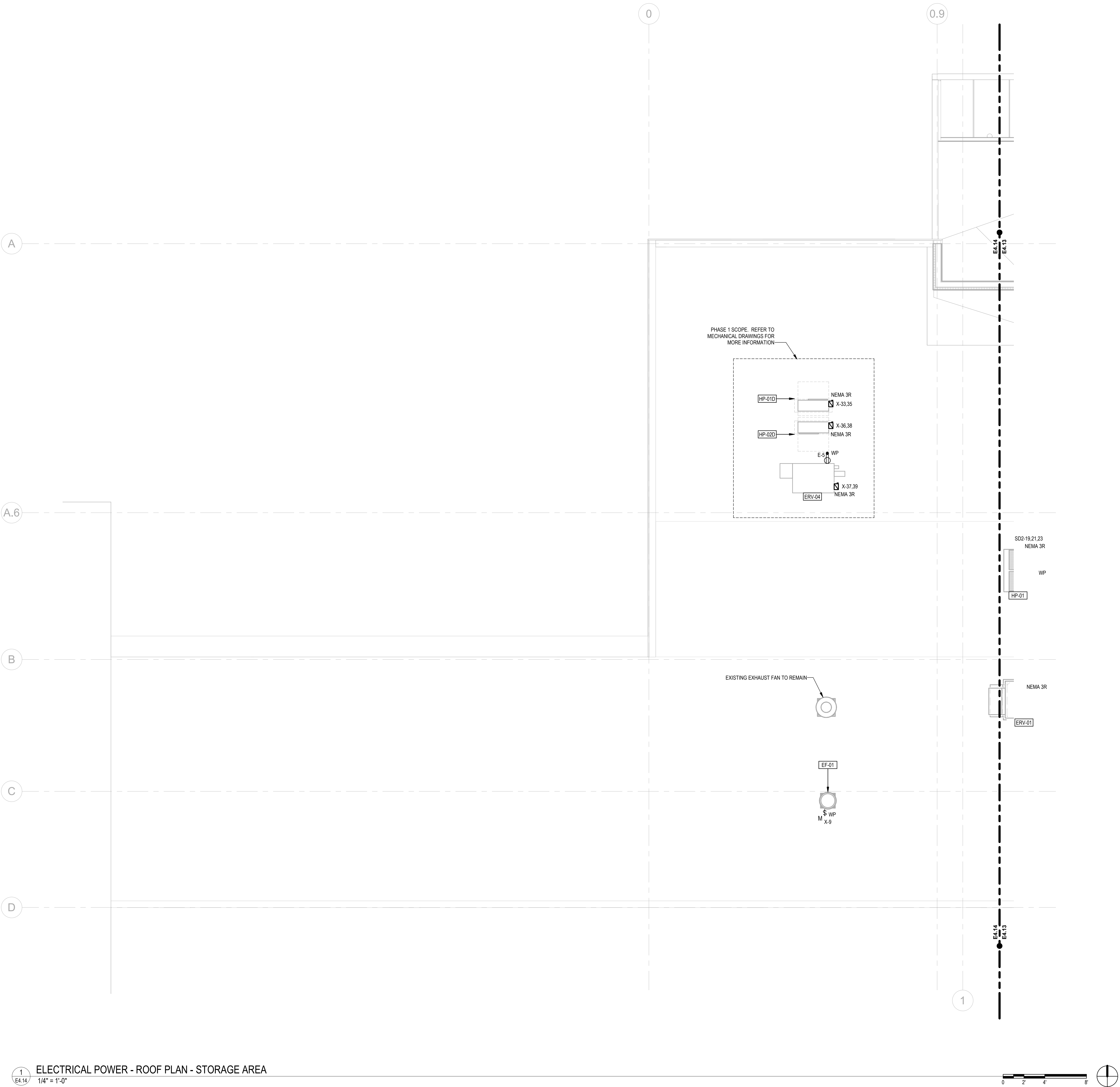
E4.13

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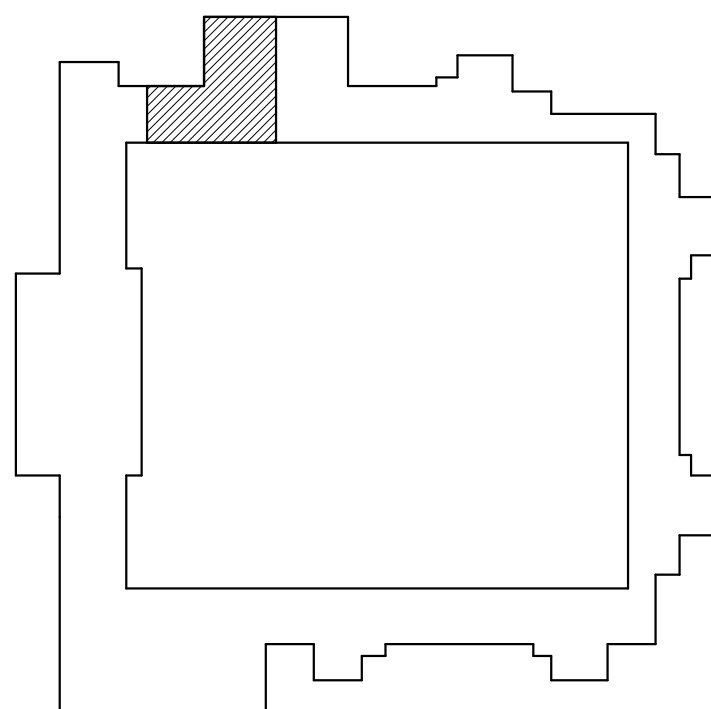
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1 ELECTRICAL POWER - ROOF PLAN - STORAGE AREA
E4.14 1/4" = 1'-0"

- SHEET NOTES**
- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS.
- B. REFER TO EQUIPMENT SCHEDULE ON SHEET E2.01 FOR ADDITIONAL CONNECTION INFORMATION.
- C. SEE SHEET E0.00 FOR GENERAL NOTES.

KEY PLAN



ELECTRICAL POWER -
ROOF PLAN - STORAGE
AREA

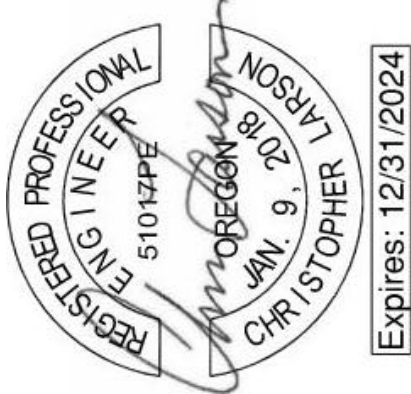
E4.14



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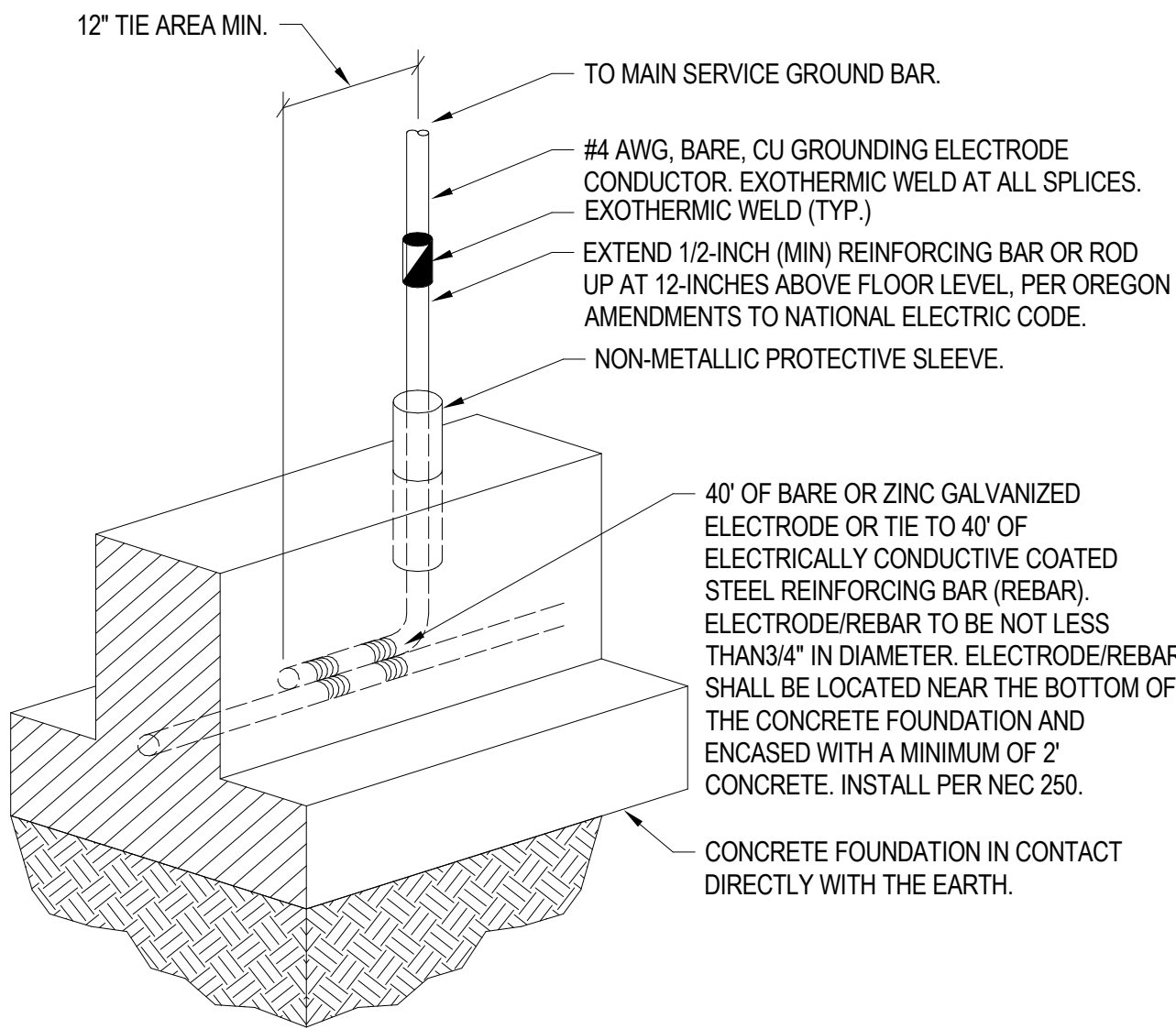
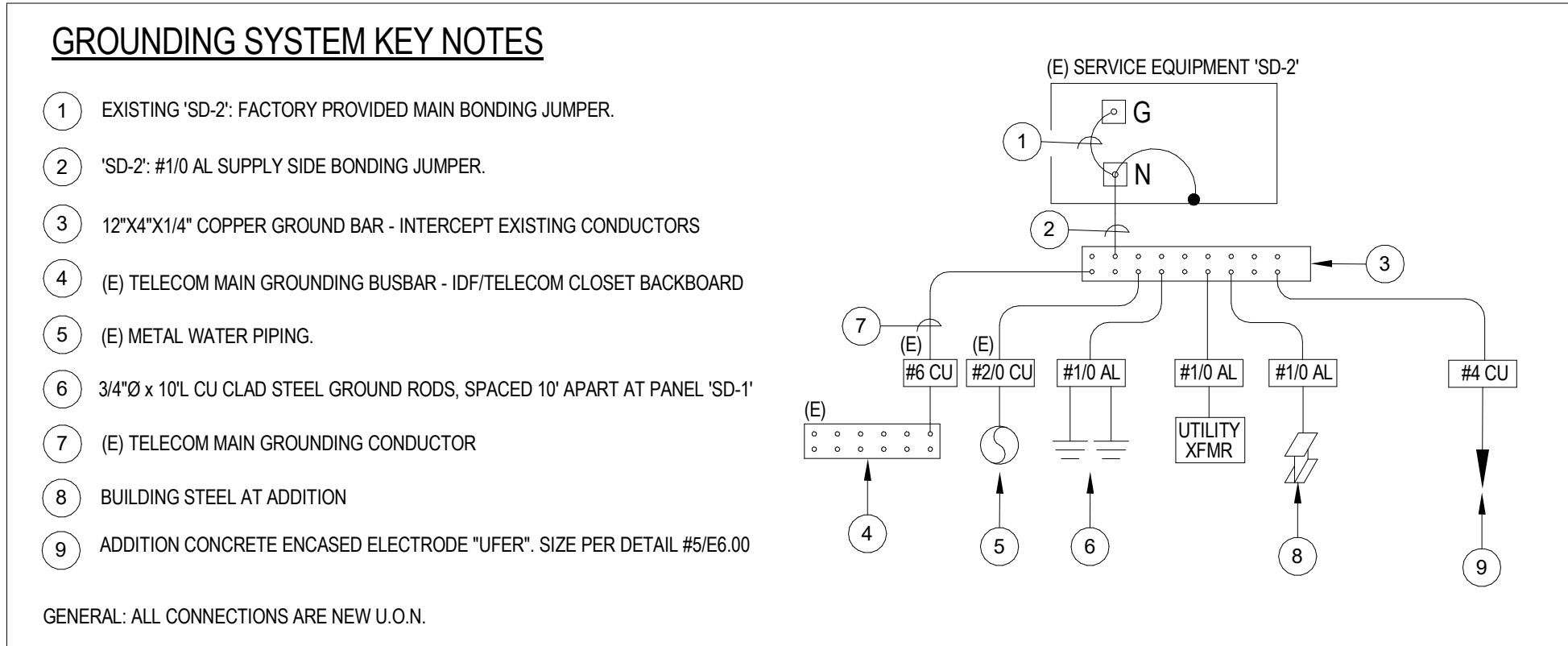
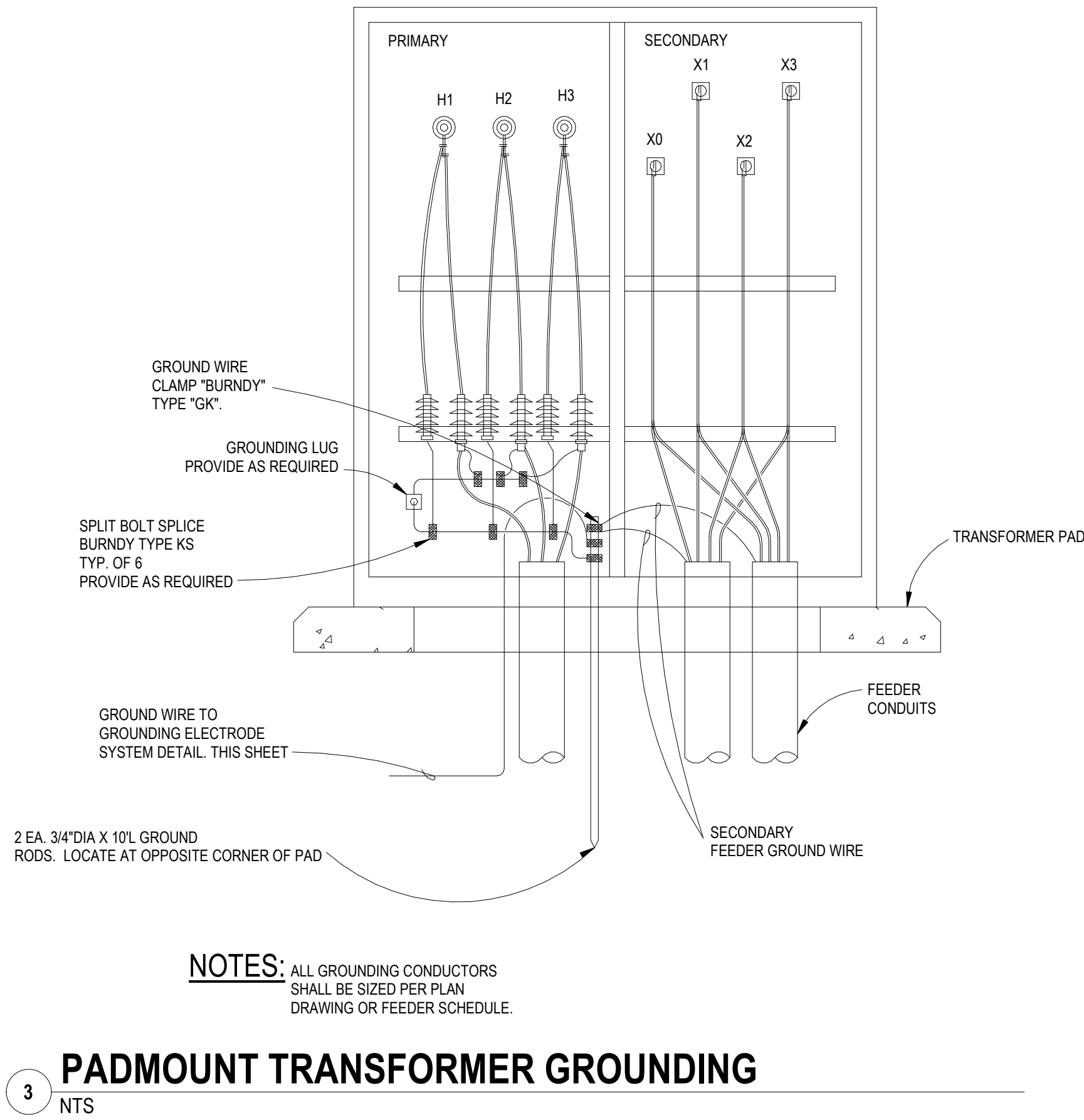
CONSTRUCTION DOCUMENTS



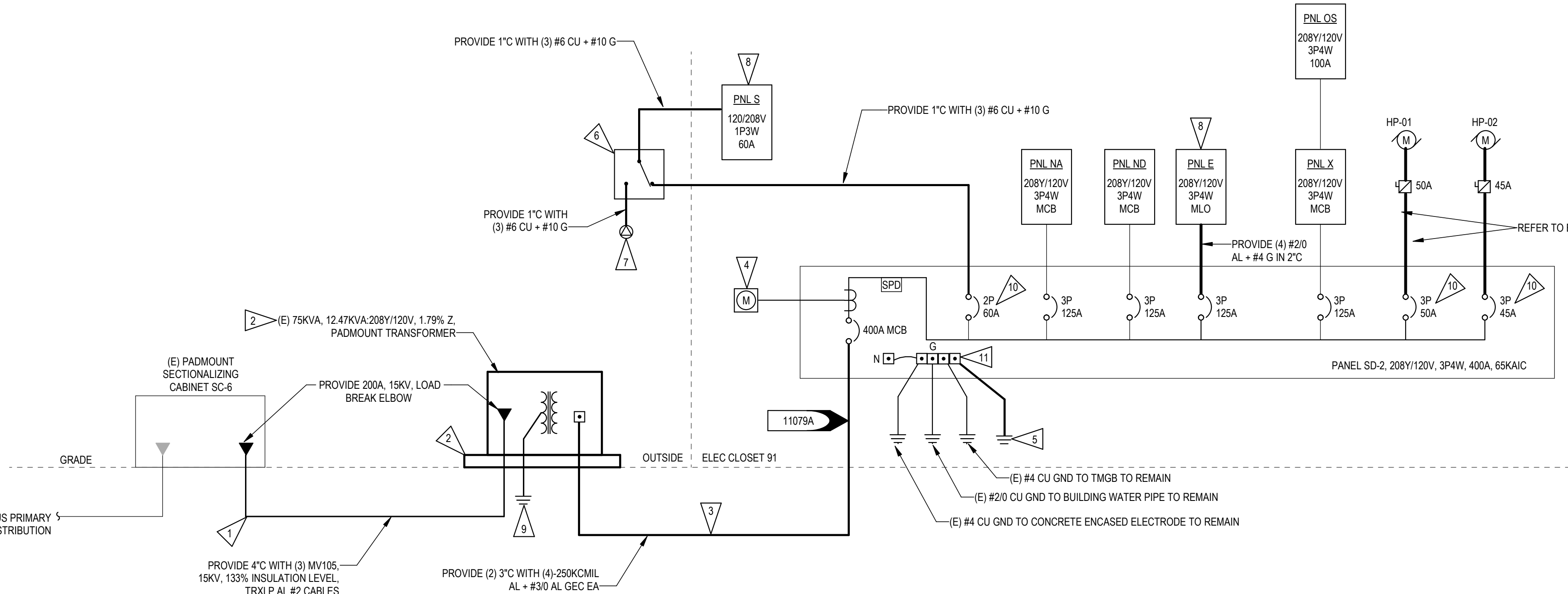
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PER OESC 220.87 (EXCEPTION)				
FACILITY:	OYA MACLAREN YOUTH CORRECTIONS FACILITY			
PROJECT:	INFIRMARY & PHARMACY RENOVATION			
SYSTEM:	400 PANEL SD-2 (FED FROM 75KVA TRANSFORMER)			
VOLTAGE:	208	PHASE:	3	
1 PEAK DEMAND DURING MONITORING PERIOD RECORDED ON:	9/7/2022	=	69.86 A	
BETWEEN:	9/7/2022 AND 10/7/2022	DAYS: 30	23.91 kW	
2 POWER FACTOR		+	0.95 (P.F.)	
APPEARANT PEAK DEMAND		=	25.17 KVA	
3 NEC 220.87 (EXCEPTION) ADJUSTMENT FACTOR		x	1.25	
ADJUSTED PEAK DEMAND		=	31.46 KVA	
4 OCCUPANCY ADJUSTED FACTOR (A)		x	1.00	
OCCUPANCY ADJUSTED PEAK DEMAND		=	31.46 KVA	
5 SEASONAL ADJUSTMENT FACTOR (B)		x	1.15	
SEASONALLY ADJUSTED PEAK DEMAND		=	36.18 KVA	
6 OTHER ADJUSTMENT FACTOR(S) (C)		x	1.00	
ANNUAL PEAK DEMAND		=	36.18 KVA	
7 NEW CALCULATED LOAD ADDED		+	37.54 KVA	
ADJUSTED DEMAND BASED ON METERED LOAD		=	73.72 KVA	
			204.64 AMPS	
FACTORS DERIVED FOR 30-DAY DEMAND METERING:				
(A) OCCUPANCY FACTOR	FACILITY WAS NORMALLY OCCUPIED AT THE TIME OF RECORDING AND NO PLANS EXIST FOR FUTURE OCCUPANCY CHANGE.			
(B) SEASONAL FACTOR	RATIO BETWEEN MAX DEMAND ON THE PEAK UTILITY METER FOR YEAR AND SAME TIME PERIOD AS 30 DAY RECORDING.			
(C) OTHER FACTOR(S)	NONE			



- DETAIL GENERAL NOTES**
- A. REFER TO SITE PLAN ON SHEET E1.00 AND E4.11 FOR ADDITIONAL INFORMATION.
- B. UNLESS SHOWN IN HEAVIER LINE WEIGHT, ALL EQUIPMENT, CONDUIT, AND CONDUCTORS SHALL BE ASSUMED TO BE EXISTING.
- C. ELECTRICAL DISTRIBUTION INFORMATION DETERMINED FROM AVAILABLE RECORD DRAWINGS DATED 04/27/16 AND OBSERVABLE FIELD CONDITIONS
- FLAG NOTES**
1. PROVIDE 15KV FEEDER FROM SECTIONALIZING SWITCH TO TRANSFORMER.
2. REINSTALL EXISTING PRECAST CONCRETE PAD AND PADMOUNT TRANSFORMER AT NEW LOCATION.
3. PROVIDE SECONDARY UNDERGROUND FEEDER FROM TRANSFORMER TO PANEL SD2.
4. PROVIDE REVENUE GRADE ENERGY METER AND ASSOCIATED WIRING/ACCESSORIES. BASIS OF DESIGN: EATON POWER XPERT METER PXM1000. LOCATE METER IN ELECTRICAL ROOM 91.
5. PROVIDE GROUNDING ELECTRODES. REFER TO DETAIL #4 THIS SHEET FOR MORE INFORMATION.
6. PROVIDE 120/208V, 1P3W, NEMA 3R, 100A MANUAL TRANSFER SWITCH. BASIS OF DESIGN: GENERAC RXSC100A3 OR APPROVED EQUAL.
7. PROVIDE 3W, 3P, 60A GENERATOR PLUG. BASIS OF DESIGN: APPLETON POWERTITE SERIES OR APPROVED EQUAL.
8. PROVIDE PANELBOARD AND ASSOCIATED FEEDER.
9. PROVIDE #10 AL CONDUCTOR FROM GROUND BAR TO TRANSFORMER RING PER NEC 250.24(A)(2). REFER TO DETAIL #3 THIS SHEET FOR MORE INFORMATION.
10. PROVIDE BREAKER AND MATCH EXISTING PANEL AIC RATING.
11. PROVIDE GROUND BUS BAR AND INTERCEPT EXISTING GROUNDING ELECTRODE CONDUCTORS LOCATED IN ELECTRICAL CLOSET 91. REFER TO DETAIL #4 THIS SHEET FOR MORE INFORMATION.



- DETAIL GENERAL NOTES**
- A. REFER TO SITE DEMO PLAN ON SHEET ED1.00 AND ED4.11 FOR ADDITIONAL INFORMATION.
- B. UNLESS SHOWN IN HEAVIER LINE WEIGHT, ALL EQUIPMENT, CONDUIT, AND CONDUCTORS SHALL BE ASSUMED TO BE EXISTING.
- C. ELECTRICAL DISTRIBUTION INFORMATION DETERMINED FROM AVAILABLE RECORD DRAWINGS DATED 04/27/16 AND OBSERVABLE FIELD CONDITIONS
- FLAG NOTES**
1. REMOVE TRANSFORMER, PRECAST CONCRETE PAD AND RETAIN FOR REINSTALLATION.
2. DEMOLISH UNDERGROUND TRANSFORMER PRIMARY AND SECONDARY CONDUCTORS.
3. DEMOLISH SERVICE ENTRANCE EQUIPMENT AND FEEDERS.
4. DEMOLISH EQUIPMENT CIRCUIT CONDUIT/CONDUCTORS BACK TO SOURCE BREAKER.
5. DEMOLISH PANELBOARD AND ASSOCIATED FEEDER BACK TO SOURCE. RETAIN AND REROUTE EXISTING BRANCH CIRCUITS TO REMAIN OVER TO EXISTING PANEL 'X'. REFER TO PANEL SCHEDULE ON SHEET E8.00 FOR MORE INFORMATION.
6. EQUIPMENT TO REMAIN.



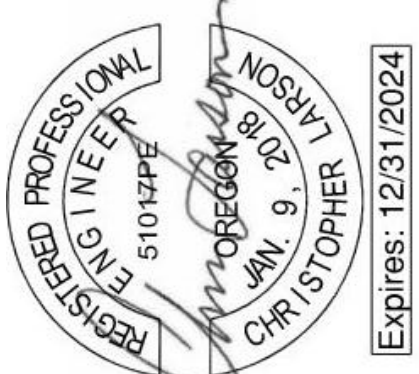
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CONSTRUCTION DOCUMENTS

ELECTRICAL ONE-LINE
DIAGRAM & DETAILS

E6.00

MacLAREN INFIRMARY & PHARMACY
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OREGON YOUTH AUTHORITY
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PANEL X SCHEDULE

LOCATION: GENERAL STORAGE 30
GROUNDING: EQUIPMENT GROUND BUS
FED FROM: SD2
VOLTAGE: 120/208 Wye 3-PH, 4-WIRE
TYPE: BOLT-ON
MOUNTING: RECESSED
SKIRTS: NONE
A.I.C. RATING:

125 A MCB													
C K T #	ITEM	N O T E	A M P S	P O L E S	A	B	C	P O L E S	A M P S	N O T E	ITEM	C K T #	
1	DENTAL PUMP	2	20 A	2	0 VA	131 VA		1	20 A	1	LTG - STORAGE RM	2	
3	--	--	--	--		0 VA	900 VA		1	20 A	1	RCPT - STORAGE RM	4
5	POLE LIGHT OUTSIDE	2	20 A	1			0 VA	--	1	--	SPACE	6	
7	(E) ELECTRIC UNIT HEATER	3	20 A	1	1000 VA	1000 VA		1	20 A	3	(E) ELECTRIC UNIT HEATER	8	
9	EF-01	1	15 A	1		100 VA	0 VA	2	30 A	2	DENTAL CLINIC DRYER	10	
11	FAN EXHAUST (EF-1,EF-2)	2	20 A	1			0 VA	0 VA	--	--		12	
13	RECEP-INTERVIEW 1 110	2	20 A	1	0 VA	0 VA		2	100 A	2	OUTSIDE SUB PANEL OS	14	
15	LIGHTS - INTAKE / EMER	2	20 A	1		0 VA	0 VA	--	--	--		16	
17	RECEP-INTAKE STAFF AREA	2	20 A	1			0 VA	--	1	--	SPACE	18	
19	RECEP-INTAKE DISPATCH	2	20 A	1	0 VA	0 VA		1	20 A	2	RECEP - RMS 103,493,497	20	
21	RECEP-INTAKE DISPATCH	2	20 A	1		0 VA	0 VA	1	20 A	2	RECEP - RM 495,496	22	
23	RECEP-INTAKE DISPATCH	2	20 A	1			0 VA	0 VA	1	20 A	2	LIGHTS - PROPERTY STORAGE 103	24
25	RECEP-INTAKE DISPATCH	2	20 A	1	0 VA	0 VA		1	20 A	2	RECEP - RM 107	26	
27	ERV-03	1	15 A	2		832 VA	0 VA	1	20 A	2	RECEP - DENTAL EQUIP RM	28	
29	--	--	--	--			832 VA	0 VA	1	20 A	2	DENTAL COMPRESSOR	30
31	EF-02	1	15 A	1	43 VA	167 VA		2	15 A	1	BS-01, 02, 03	32	
33	HP-01D	1	20 A	2		1373 VA	167 VA	--	--	--		34	
35	--	--	--	--			1373 VA	2421 VA	2	35 A	1	HP-02D	36
37	ERV-04	1	15 A	2	749 VA	2421 VA		--	--	--		38	
39	--	--	--	--		749 VA	479 VA	2	15 A		FCU-01,2,3,4	40	
41								--	--	--		42	
Total Load:					5511 VA	4599 VA	5105 VA						
Total Amps:					47 A	38 A	43 A						
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC		12184 VA		100.00%		12184 VA		Total Conn. Load: 15215 VA					
Heating		2000 VA		100.00%		2000 VA		Total Est. Demand: 15247 VA					
Lighting		131 VA		125.00%		164 VA		Total Conn. Current: 42 A					
Receptacle		900 VA		100.00%		900 VA		Total Est. Demand Current: 42 A					

PANEL NA SCHEDULE

LOCATION: SD2
GROUNDING: EQUIPMENT GROUND BUS
FED FROM: SD2
VOLTAGE: 120/208 Wye 3-PH, 4-WIRE
TYPE: BOLT-ON
MOUNTING: RECESSED
SKIRTS: NONE
A.I.C. RATING:

125 A MCB															
C K T #	ITEM	N O T E	A M P S	P O L E	A	1000 VA	B	C	P O L E	A M P S	N O T E	ITEM	C K T #		
1	RECEPTACLE - BREAK RM KITCHENTTE	1,2	20 A	1	540 VA				1	20 A	2	RECEPTACLE-KIT MW	2		
3	RECEPTACLE - BREAK RM REF	1,2	20 A	1			600 VA	900 VA		1	20 A	2	RECEPTACLE - NURSE SUP OFFICE	4	
5	RECEPTACLE - BREAK RM CONV	1,2	20 A	1					540 VA	1020 VA	1	20 A	2	RECEPTACLE - CONFERENCE RM	6
7	RECEPTACLE - NURSE & SUPERVISER	1,2	20 A	1	720 VA	720 VA				1	20 A	2	RECEPTACLE - NURSE STATION ABOVE COUNTER	8	
9	RECEPTACLE-NURSE STATION COMPUTERS	2	20 A	1			1080 VA	720 VA		1	20 A	2	RECEPTACLE-SECURITY C20.1	10	
11	RECEPTACLE, COPIER	2	20 A	1					1200 VA	1440 VA	1	20 A	2	RECEPTACLE-MED ROOM COMP	12
13	Receptacle DENTIST OFFICE 2 116	3	20 A	1	0 VA	0 VA				1	20 A	3	Receptacle OPERATORY 112	14	
15	Receptacle OPERATORY 112	3	20 A	1			0 VA	0 VA		1	20 A	3	Receptacle Room 114, 125	16	
17	Receptacle SHARED DENTAL OFFICE 117	3	20 A	1					0 VA	0 VA	1	20 A	3	Receptacle Room 117, 125	18
19	Receptacle Room 138, 131	3	20 A	1	0 VA	0 VA				1	20 A	3	Receptacle Room 134, 133	20	
21	Receptacle Room 133, 134	3	20 A	1			0 VA	0 VA		1	20 A	3	Receptacle OFFICE 132	22	
23	Receptacle Room 134, 133	3	20 A	1					0 VA	360 VA	1	20 A	2	RECEPTACLE - DAY RM TV	24
25	Receptacle DENTIST OFFICE	3	20 A	1	0 VA	0 VA				1	20 A	3	Receptacle Room 1, 112	26	
27	RECEPTACLE-COPIER, NURSE STATION	2	20 A	1			1200 VA	900 VA		1	20 A	2	RECEPTACLE-MED LAB ABOVE COUNTER GFCI	28	
29	RECEPTACLE - MED SUPPLY/HALL	2	20 A	1					360 VA	0 VA	1	20 A	3	EF-3	30
31	Receptacle OPERATORY 112	3	20 A	1	0 VA	0 VA				1	20 A	3	HEATER	32	
33	Receptacle HALLWAY, 131, NURSE STN	3	20 A	1			0 VA	0 VA		1	20 A	3	Receptacle & Fan - Dentist Office	34	
35	RECEPTACLE - NURSE STATION	2	20 A	1					900 VA	0 VA	1	20 A	3	OUTSIDE LTS - FRONT & EXITS	36
37	Receptacle SICK BAY	3	20 A	1	0 VA	0 VA				1	20 A	3	HVAC CONTROL CABINET	38	
39	RECEPTACLE- VAC STORE ABOVE COUNTER	2	20 A	1			720 VA	0 VA		1	20 A	3	Receptacle DENTIST COUNTER	40	
41	Lights - SICK BAY, BRK RM & FAN	3	20 A	1					0 VA	0 VA	1	20 A	3	PHONE BOARD	42
Total Load:					2980 VA		6120 VA		5820 VA						
Total Amps:					25 A		55 A		52 A						
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
Receptacle		14920 VA		83.51%		12460 VA		Total Conn. Load: 14920 VA							
								Total Est. Demand: 12460 VA							
								Total Conn. Current: 41 A							
								Total Est. Demand Current: 35 A							

PANEL S SCHEDULE

LOCATION: SD2
GROUNDING: EQUIPMENT GROUND BUS
FED FROM: SD2
VOLTAGE: 208V 1-PH, 3-WIRE
TYPE: BOLT-ON
MOUNTING: RECESSED
SKIRTS: NONE
A.I.C. RATING:

60 A MLO													
C K T #	ITEM	N O T E	A M P S	P O L E	A		B		P O L E	A M P S	N O T E	ITEM	C K T #
1	RECEPTACLE		20 A	1	360 VA	1200 VA			1	20 A		RECEPTACLE IDF RACK	2
3	RECEPTACLE-UIC, FZR, OC, RE-VAC STORE		20 A	1			542 VA	500 VA	1	20 A		RECEPTACLE-REF-VAC STORE	4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
Total Load:					1560 VA		1042 VA						
Total Amps:					14 A		10 A						
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Receptacle		2602 VA		100.00%		2602 VA		Total Conn. Load: 2602 VA					
								Total Est. Demand: 2602 VA					
								Total Conn. Current: 13 A					
								Total Est. Demand Current: 13 A					
Notes:													

PANEL SD2 SCHEDULE

LOCATION: ELEC. CLOSET 91
GROUNDING: EQUIPMENT GROUND BUS
FED FROM: SD2
VOLTAGE: 120/208 Wye 3-PH, 4-WIRE
TYPE: BOLT-ON
MOUNTING: RECESSED
SKIRTS: NONE
A.I.C. RATING:

400 A MCB												
C K T #	ITEM	N O T E	A M P S	P O L E	A	B	C	P O L E	A M P S	N O T E	ITEM	C K T #
1	PANEL NA	3	125 A	3	2980 VA	703 VA		3	125 A	2	PANEL ND	2
3	--	--	--	--		6120 VA	0 VA		--	--	--	4
5	--	--	--	--			5820 VA	0 VA	--	--	--	6
7	PNL X	3	125 A	3	5511 VA	6189 VA		3	125 A	4	PNL E	8
9	--	--	--	--		4599 VA	6064 VA		--	--	--	10
11	--	--	--	--			5105 VA	5986 VA	--	--	--	12
13	PANEL S	1	60 A	2	1560 VA				--	--	--	14
15	--	--	--	--		1042 VA			--	--	--	16
17	--	--	--	--					--	--	--	18
19	HP-01	4	50 A	3	5740 VA	3660 VA		3	45 A	1	HP-02	20
21	--	--	--	--		5740 VA	3660 VA		--	--	--	22
23	--	--	--	--			5740 VA	3660 VA	--	--	--	24
25	--	--	--	--	0 VA			2	20 A	2	FENCE LIGHT	26
27	--	--	--	--		0 VA		--	--	--	--	28
29	--	--	--	--			0 VA	1	20 A	2	LIGHT CONTROL	30
31	--	--	--	--	3507 VA			3	50 A	6	(E) RTU	32
33	--	--	--	--		3507 VA		--	--	--	--	34
35	--	--	--	--			3507 VA	--	--	--	--	36
37	(E) RTU-1	6	40 A	3	2822 VA	6533 VA		3	80 A	6	(E) AC-3	38
39	--	--	--	--		2822 VA	6533 VA	--	--	--	--	40
41	--	--	--	--			2822 VA	6533 VA	--	--	--	42
Total Load:					13482 VA	14364 VA		13449 VA				
Total Amps:					112 A	120 A		112 A				
Load Classification					Connected Load	Demand Factor	Estimated Demand	Panel Totals				
HVAC					14113 VA	100.00%	14113 VA	Total Conn. Load: 67788 VA				
Heating					5000 VA	100.00%	5000 VA	Total Est. Demand: 64112 VA				
Lighting					3220 VA	125.00%	4025 VA	Total Conn. Current: 188 A				
Receptacle					19962 VA	76.37%	14481 VA	Total Est. Demand Current: 178 A				
								Meter Demand X 125% (NEC 220.87): 26493 VA				
								Meter Demand X 125% (NEC 220.87): 74 A				

GENERAL NOTES

1. SYSTEM CABLING PATHWAYS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF TIA-569.
2. CABLE SUPPORTS SHALL NOT BE PLACED MORE THAN 5' APART.
3. CABLE "SAG" BETWEEN SUPPORTS SHALL NOT EXCEED 12".
4. CABLE LENGTHS SHALL NOT EXCEED 295' INCLUDING PATCH CORD LENGTHS AT COMM ROOMS AND WORKSTATIONS. IF A CABLE LENGTH WILL EXCEED 295', INFORM THE ICT ENGINEER IMMEDIATELY BEFORE INSTALLATION.
5. CABLE MINIMUM BEND RADIUS AND MAXIMUM PULLING TENSION SHALL NOT BE EXCEED. REFER TO MANUFACTURER'S REQUIREMENTS AND REFERENCE DOCUMENTS.
6. CABLES SHALL BE INSTALLED IN CONTINUOUS LENGTHS FROM ORIGIN TO DESTINATION (NO SPLICES).
7. CABLES SHALL BE INSTALLED ABOVE FIRE SPRINKLER SYSTEMS AND SUPPORTED INDEPENDENTLY OF SPRINKLER PIPING OR ANY ANCILLARY EQUIPMENT OR HARDWARE. THE CABLE SYSTEM AND SUPPORT HARDWARE SHALL BE INSTALLED SO THAT IT DOES NOT OBSCURE ANY VALVES, FIRE ALARM CONDUIT, BOXES, OR OTHER CONTROLLED DEVICES.
8. CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING FIXTURE WIRES.
9. AT NO POINT SHALL CABLES REST ON ACOUSTIC CEILING GRIDS OR PANELS, OR BE ATTACHED TO ANY PORTION OF THE BUILDING MECHANICAL OR PIPING SYSTEMS. PROVIDE COMPLETE CABLE SUPPORT PATHWAYS CONSISTING OF CONDUIT, RACEWAY, LADDER RACK, CABLE TRAY, J-HOOKS OR BRIDAL RINGS.
10. ANY CABLE DAMAGED DURING INSTALLATION OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS SHALL BE REPLACED PRIOR TO FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.
11. CABLES AND PATHWAYS SHALL BE CLEARLY LABELED IN ACCORDANCE WITH TIA-606-C.
12. PROVIDE "VELCRO" TYPE (HOOK AND LOOP) TIE WRAPS FOR BUNDLING / MANAGING HORIZONTAL AND BACKBONE CABLING. PLACE EVERY 3' FOR CABLE RUNS IN CEILING AND EVERY 18" AFTER ENTERING TELECOMMUNICATIONS ROOM. PLASTIC ZIP-TIES SHALL NOT BE PERMITTED WITHIN THE STRUCTURED CABLING SYSTEM.
13. HORIZONTAL UTP PAIR UNTWIST AT THE TERMINATION SHALL NOT EXCEED 0.5".
14. PROVIDE (1) 2" CONDUIT SLEEVE WITH INSULATED BUSHINGS FOR PENETRATION INTO OFFICES, EXAM ROOMS, ETC, AS REQUIRED TO FACILITATE CABLE ROUTING WHETHER SHOWN ON DRAWINGS OR NOT.
15. ALL PENETRATIONS MUST BE FIRE-STOPPED IN ACCORDANCE OF THE NFPA, NEC AND TO THE SATISFACTION OF THE AHJ.
16. ALL TELECOMMUNICATION ROOMS AND PATHWAYS SHALL ADHERE TO TIA-569-D.
17. ALL TELECOMMUNICATION BONDING AND GROUNDING SHALL ADHERE TO TIA-607-D.
18. NOT ALL PARTS SHOWN. ENSURE A COMPLETE WORKING INSTALLATION INCLUDING MISCELLANEOUS INSTALLATION MATERIALS, CONNECTORS, CONSUMABLES, AND APPURTENANCES.
19. PROVIDE NETWORK/TELEPHONY CABLES TO THE FOLLOWING LOCATIONS FROM THE NEAREST COMMUNICATIONS ROOM, UNLESS OTHERWISE NOTED:

A. BUILDING SYSTEM MANAGEMENT PANELS/ENCLOSURES

B. ENERGY SYSTEM MANAGEMENT PANELS/ENCLOSURES

C. FIRE ALARM CONTROL SYSTEM PANELS/ENCLOSURES

D. ACCESS CONTROL SYSTEM PANELS/ENCLOSURES

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (HATCH)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - SECURITY	
SYMBOL	DESCRIPTION
	CARD READER (KP = KEYPAD) (WP = WEATHERPROOF)
	DOOR/WINDOW CONTACT
	ELECTRIC STRIKE
	MAGNETIC LOCK
	REQUEST TO EXIT PUSHBUTTON
	REQUEST TO EXIT SENSOR
	CCTV CAMERA - CEILING MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE: 180°, 270°, 360°, PTZ))
	CCTV CAMERA - WALL MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE: 180°, 270°, 360°, PTZ))
	STAFF ASSISTANCE PUSH BUTTON
	INTERCOM OUTLET (D = DESK MOUNTED) (W = WALL MOUNTED @ +48" AFF)
	KEYPAD - ALARM PANEL
	MOTION DETECTOR - INFRARED TYPE UNLESS OTHERWISE NOTED
	BREAK GLASS SENSOR
	ALARM BELL
	DOOR OPERATOR
	STAFF ASSISTANCE WALL-MOUNTED DOME LIGHT

SYMBOLS LEGEND - COMMUNICATIONS	
SYMBOL	DESCRIPTION
	WALL MOUNTED DATA DEVICE. MOUNT AT 18" AFF UNLESS OTHERWISE NOTED. NUMBER INDICATES QUANTITY OF PORTS.
	MUD RING TO ACCOMMODATE PASS THROUGH FOR AUDIO/VISUAL CABLING. MOUNT AT 18" AFF UNLESS OTHERWISE NOTED. NUMBER INDICATES NUMBER OF GANG SPACES.
	CEILING MOUNTED DATA DEVICE. COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR MOUNTING HEIGHTS UNLESS OTHERWISE NOTED. NUMBER INDICATES QUANTITY OF PORTS.
	WIRELESS ACCESS POINT LOCATION. PROVIDE CABLING IN THE QUANTITY INDICATED WITH 10'-0" SERVICE LOOP IN ACCESSIBLE CEILING SPACE.
	VIDEO PROJECTOR LOCATION. PROVIDE CABLING IN THE QUANTITY INDICATED WITH 10'-0" SERVICE LOOP IN ACCESSIBLE CEILING SPACE.
	DATA DEVICE MOUNTED IN FLOOR BOX. NUMBER INDICATES QUANTITY OF PORTS. FLOOR BOX PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	DATA DEVICE MOUNTED IN POKE-THRU. NUMBER INDICATES QUANTITY OF PORTS. POKE-THRU PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	FLOOR SURFACE MOUNTED DATA DEVICE. NUMBER INDICATES QUANTITY OF PORTS.
	DATA DEVICE MOUNTED POWER/COMM POLE. NUMBER INDICATES QUANTITY OF PORTS. POWER/COMM POLE PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	3/4" FIRE RATED PLYWOOD BACKBOARD MOUNTED FROM 6" AFF TO 8'-6" AFF UNLESS OTHERWISE NOTED
	CABLE TRAY - LADDER RUNWAY STYLE FOR HORIZONTAL CABLING IN ACCESSIBLE CEILING SPACES
	CABLE TRAY - WIRE BASKET STYLE FOR HORIZONTAL CABLING IN ACCESSIBLE CEILING SPACES
	EMT CONDUIT PATHWAY OR SLEEVE FOR HORIZONTAL PATHWAY. PROVIDE PLASTIC BUSHINGS ON EACH END. SIZE AS NOTED ON PLAN.
	4" SELF-SEALING INTUMESCENT PATHWAY SLEEVES (EZ-PATH 44).
	EMT CONDUIT PATHWAY OR SLEEVE FOR VERTICAL PATHWAY. PROVIDE PLASTIC BUSHINGS ON EACH END. SIZE AS NOTED ON PLAN.

SYSTEM DESCRIPTION	CONTRACTOR FURNISHED CONTRACTOR INSTALLED (CFCI)	OWNER FURNISHED CONTRACTOR INSTALLED (OFCI)	OWNER FURNISHED OWNER INSTALLED (OFCI)	DELEGATED DESIGN	SAZAN DESIGN	COMMENTS
	INSTALLATION RESPONSIBILITY			DESIGN RESPONSIBILITY		
TELECOMMUNICATIONS DISTRIBUTION SYSTEM						
DEVICE BACKBOX AND CONDUIT ROUGH-IN	X				X	INCLUDE TAMPERPROOF WALL PLATE AT WALL-OUTLET
HORIZONTAL CATEGORY 6E CABLING (BLUE FOR DATA / WHITE FOR VOICE)	X			X		INCLUDES TESTING AND TERMINATIONS (R45 FOR VOICE, R45 FOR DATA) AT BOTH ENDS
HORIZONTAL CABLING CONDUIT STUB-UPS/PATHWAYS	X				X	CONDUIT SLEEVE PENETRATIONS FROM IDF ROOM INTO CEILING SPACE
HORIZONTAL CATEGORY 6E CABLING FOR WIRELESS ACCESS POINTS	X			X		INCLUDES TESTING AND TERMINATIONS AT BOTH ENDS
ACCESSIBLE OR OPEN CEILING J-HOOKS	X			X		
WIRELESS ACCESS POINTS		X			X	DEVICE AND MOUNTING BRACKET, COORDINATE EXACT MOUNTING LOCATIONS WITH OYA
IT EQUIPMENT RACKS	X				X	
UPS IN TELECOMMUNICATIONS ROOMS			X		N/A	
PDU'S IN TELECOMMUNICATIONS ROOMS			X		N/A	
POWER RECEPTACLES FOR TELECOMMUNICATIONS ROOMS	X				X	COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN
IT GROUNDING AND BONDING INFRASTRUCTURE	X				X	REUSE EXISTING TMGB
FIRESTOPPING FOR IT PATHWAYS	X				X	
PATIENT ROOM STAFF-ASSISTANCE SYSTEM						
DEVICE CONDUIT ROUGH-IN AND BACKBOX	X				X	
CABLING FROM DEVICES TO HEAD-END EQUIPMENT	X			X		INCLUDES TERMINATIONS
STAFF-ASSISTANCE PUSH BUTTON AND DOME LIGHT	X			X		
HEAD-END EQUIPMENT	X			X		
PROGRAMMING AND TESTING	X			X		COORDINATE REQUIREMENTS WITH OWNER
NETWORK SYSTEM						
PC WORKSTATIONS, MONITORS, AND DEVICE-END PATCH CORDS			X		N/A	COORDINATE WITH OWNER IT GROUPS
NETWORK ELECTRONICS			X		N/A	
CATEGORY 6E PATCH PANELS AND CORDS IN IDF	X			X		
NETWORK PROGRAMMING AND QOS SCHEDULING			X		N/A	
NETWORK SERVERS, PROGRAMMING, AND LICENSING			X		N/A	
TELEPHONE DEVICES (HANDSETS)			X		N/A	
TELEPHONE SERVERS, PROGRAMMING, AND LICENSING			X		N/A	
PRINTERS, COPIERS, TVs			X		N/A	
SECURITY - ELECTRONIC ACCESS CONTROL SYSTEM						
DEVICE CONDUIT AND BACKBOX ROUGH-IN	X				X	INCLUDES ELECTRIC STRIKES, DOOR CONTACTS, CARD READERS
120V ELECTRICAL CONNECTIONS	X				X	
LOW VOLTAGE CABLING AND TERMINATIONS	X			X		
LOW VOLTAGE SECURITY AND DOOR CONTROL DEVICES			X	X		MOTOROLA/AVIGILON COMPLIANT SYSTEM AS OUTLINED SPEC 28 13.00, SECTION 2.4
HORIZONTAL CATEGORY 6 CABLING (PURPLE) / FIBER WHERE REQUIRED OM3 50µm	X			X		INCLUDES TESTING AND TERMINATIONS (R45 FOR DATA) AT BOTH ENDS. 1MM OR SM FIBER DEPENDING ON CABLING LENGTH. ISOLATED CABLING IN DEDICATED RACEWAYS
ACCESS CONTROL SYSTEM HEAD-END EQUIPMENT/CABINETS AND PROGRAMMING			X	X		EXPAND EXISTING SYSTEM HEAD-END EQUIPMENT AS REQUIRED. COORDINATE REQUIREMENTS WITH OWNER
SECURITY - IP SURVEILLANCE SYSTEM						
DEVICE CONDUIT AND SINGLE GANG BACKBOX ROUGH-IN	X				X	ROUTE CONDUIT TO OPEN ACCESSIBLE CEILING SPACES
HORIZONTAL CATEGORY 6 CABLING (YELLOW) / FIBER WHERE REQUIRED OM3 50µm	X			X		INCLUDES TESTING AND TERMINATIONS AT BOTH ENDS. 1MM OR SM FIBER DEPENDING ON CABLING LENGTH. ISOLATED CABLING IN DEDICATED RACEWAYS
IP SURVEILLANCE CAMERAS			X	X		PATCHING NOT PERMITTED. CAT6 CABLING FROM CAMERA TO BE TERMINATED AT OWNER SUPPLIED SWITCH WITH 6' SERVICE LOOP.
SOFTWARE, CAMERAS, LICENSES, AND SUPPORTING EQUIPMENT			X	X		COORDINATE REQUIREMENTS WITH OWNER. SUPPORTING EQUIPMENT MAY INCLUDE ADDITIONAL RACKS, PDUs, UPS, SWITCH, POWER SUPPLY
VMS PROGRAMMING, CAMERA PLACEMENT (PREA)			X	X		COORDINATE REQUIREMENTS WITH OWNER

TELECOMMUNICATION SHEET INDEX	
T0.00	SYSTEMS GENERAL NOTES AND LEGEND
T3.01	SYSTEMS - FIRST FLOOR PLAN - OVERALL
T3.11	SYSTEMS - FIRST FLOOR PLAN - PATIENT AREA
T3.12	SYSTEMS - FIRST FLOOR PLAN - STORAGE AREA
T7.00	SYSTEMS DETAILS

**MacLAREN INFIRMARY & PHARMACY
RENOVATION**

OREGON YOUTH AUTHORITY



ISSUE DATE: 08.25.2023

REVISIONS:

CONSTRUCTION DOCUMENTS

**SYSTEMS - FIRST FLOOR
PLAN - PATIENT AREA**

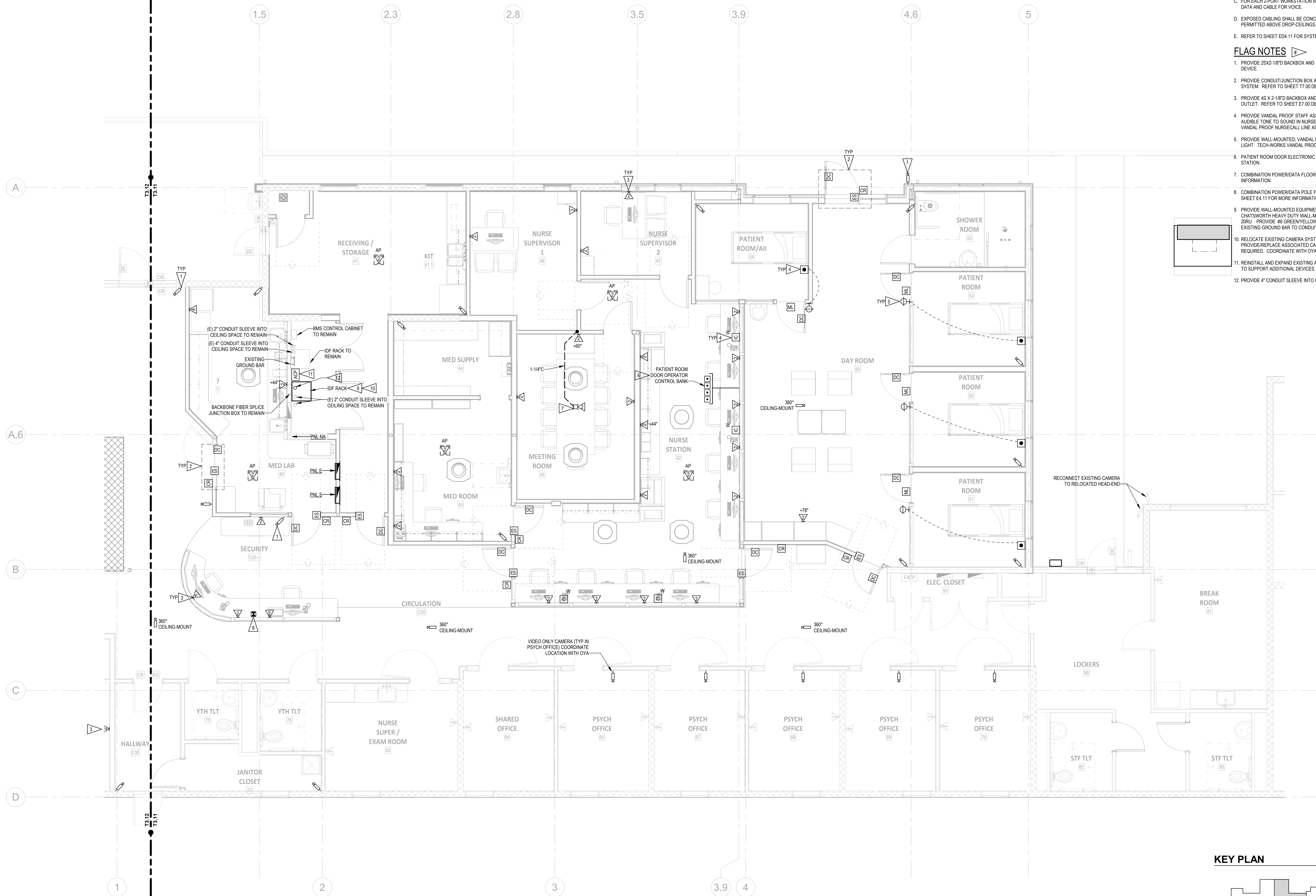
T3.11

SHEET NOTES

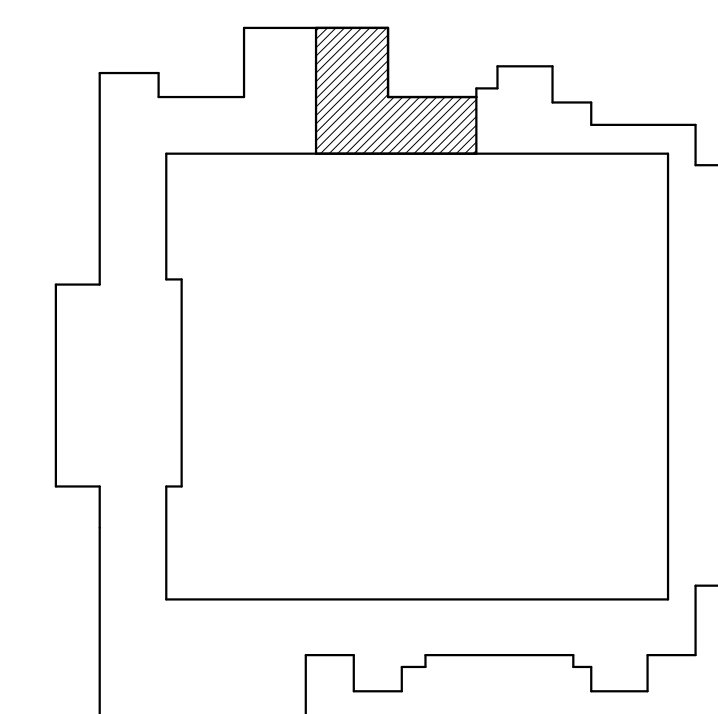
- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS
- B. SEE SHEET T0.00 FOR GENERAL NOTES AND LOW-VOLTAGE RESPONSIBILITY MATRIX.
- C. FOR EACH 2-PORT WORKSTATION WALL OUTLET, PROVIDE ONE CABLE FOR DATA AND CABLE FOR VOICE.
- D. EXPOSED CABLEING SHALL BE CONCEALED IN CONDUIT. J-HOOKS ARE PERMITTED ABOVE DROP-CEILINGS.
- E. REFER TO SHEET ED.4.11 FOR SYSTEMS DEMOLITION SCOPE.

FLAG NOTES

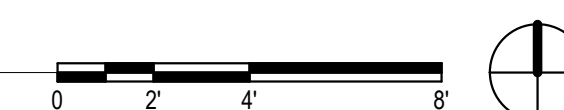
1. PROVIDE 25X2-1/8"DB BACKBOX AND 3/4"CONDUIT WITH CABLEING FOR CAMERA DEVICE.
2. COMBINATION JUNCTION BOX AND CABLEING FOR ACCESS CONTROL SYSTEM. REFER TO SHEET 77.00 DETAIL #1 FOR MORE INFORMATION.
3. PROVIDE 45 X 2-1/8" BACKBOX AND 1" CONDUIT WITH CABLEING FOR DATA OUTLET. REFER TO SHEET 67.00 DETAIL #2 FOR MORE INFORMATION.
4. PROVIDE PATIENT ROOM STAFF ASSISTANCE PUSH-BUTTON STATION, AUDIBLE TONE TO SOUND IN NURSE STATION ROOM 44. TECH-WORKS VANDAL PROOF NURSECALL LINE AS BASIS OF DESIGN.
5. PROVIDE WALL-MOUNTED, WALLA. RESISTANCE STAFF-ASSISTANCE DOWN LIGHT. TECH-WORKS VANDAL PROOF NURSECALL LINE AS BASIS OF DESIGN.
6. PATIENT ROOM DOOR ELECTRONIC LOCK RELEASE REMOTE CONTROL STATION.
7. COMBINATION POWERDATA FLOOR BOX. REFER TO SHEET #4.11 FOR MORE INFORMATION.
8. COMBINATION POWERDATA POLE FROM CEILING TO DESKTOP. REFER TO SHEET #4.11 FOR MORE INFORMATION.
9. PROVIDE WALL-MOUNTED EQUIPMENT RACK. BASIS OF DESIGN CHARTWORTH HEAVY DUTY WALL-MOUNTED EQUIPMENT RACK PN: 15322-72. PROVIDE #6 GREEN/VOLVULG TRACER SONING CONDUCTOR FROM EXISTING GROUND BACK TO CONDUITS, EQUIPMENT, AND RACK.
10. RELOCATE EXISTING CAMERA SYSTEM HEAD-END EQUIPMENT. PROVIDE REPLACEMENT ASSOCIATED CAMERA HORIZONTAL CABLEING AS REQUIRED. COORDINATE WITH OYA IT DEPT.
11. REINSTATE AND EXPAND EXISTING ACCESS CONTROL SYSTEM AS REQUIRED TO SUPPORT ADDITIONAL DEVICES.
12. PROVIDE 4" CONDUIT SLIDE INTO CEILING SPACE ABOVE.



KEY PLAN



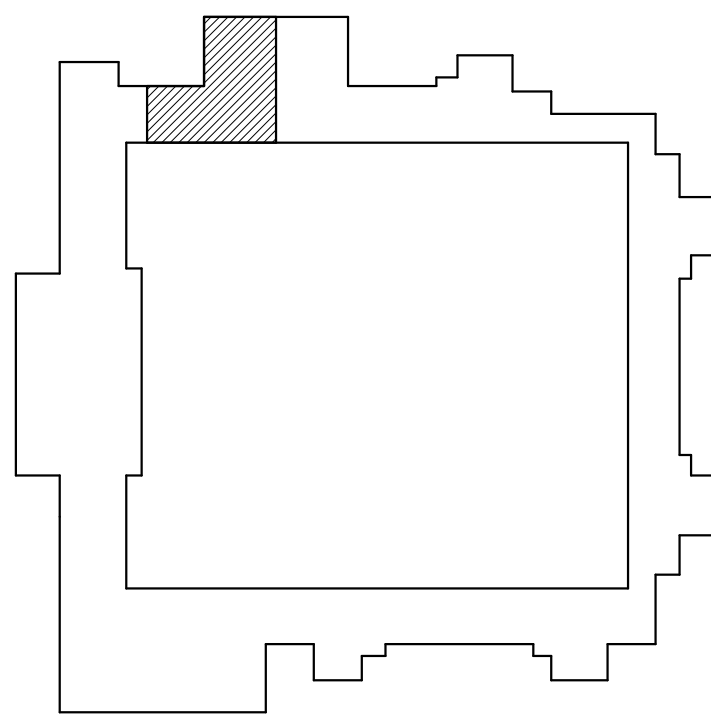
1 SYSTEM COMMUNICATION - FIRST FLOOR PLAN - PATIENT AREA
T3.11 1/4" = 1'-0"





- SHEET NOTES**
- A. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL SHEETS AND ACTUAL FIELD CONDITIONS.
- B. SEE SHEET T0.00 FOR GENERAL NOTES AND LOW-VOLTAGE RESPONSIBILITY MATRIX.
- C. FOR EACH 2-PORT WORKSTATION WALL OUTLET, PROVIDE ONE CABLE FOR DATA AND CABLE FOR VOICE.
- D. EXPOSED CABLING SHALL BE CONCEALED IN CONDUIT. J-HOOKS ARE PERMITTED ABOVE DROP-CEILINGS.
- E. REFER TO SHEET ED4.12 FOR SYSTEMS DEMOLITION SCOPE.
- FLAG NOTES**
1. PROVIDE 25X2-1/8"D BACKBOX AND 3/4"CONDUIT WITH CABLING FOR CAMERA DEVICE.
2. PROVIDE CONDUIT/JUNCTION BOX AND CABLING FOR ACCESS CONTROL SYSTEM. REFER TO SHEET E7.00 DETAIL #1 FOR MORE INFORMATION.
3. PROVIDE 45 X 2-1/8"D BACKBOX AND 1" CONDUIT WITH CABLING FOR DATA OUTLET. REFER TO SHEET E7.00 DETAIL #2 FOR MORE INFORMATION.
4. PROVIDE CEILING MOUNTED JUNCTION BOX AND REINSTALL 110-BLOCK AND ASSOCIATED BACKBONE CABLE.

KEY PLAN



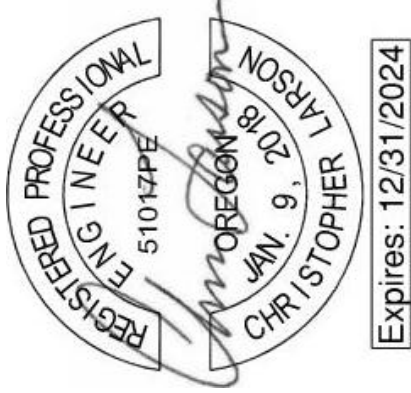
SYSTEMS - FIRST FLOOR
PLAN - STORAGE AREA

T3.12



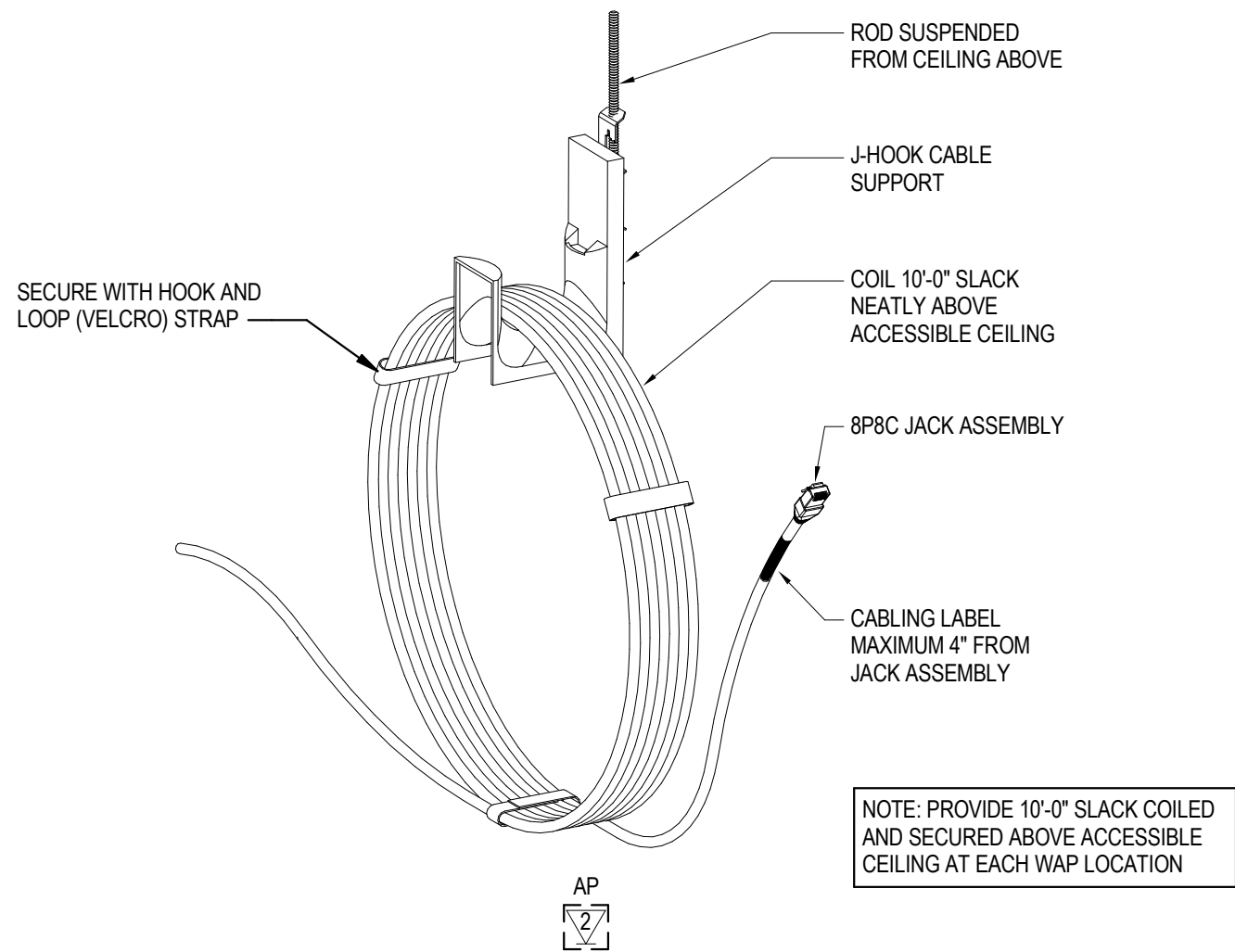
ISSUE DATE: 08.25.2023
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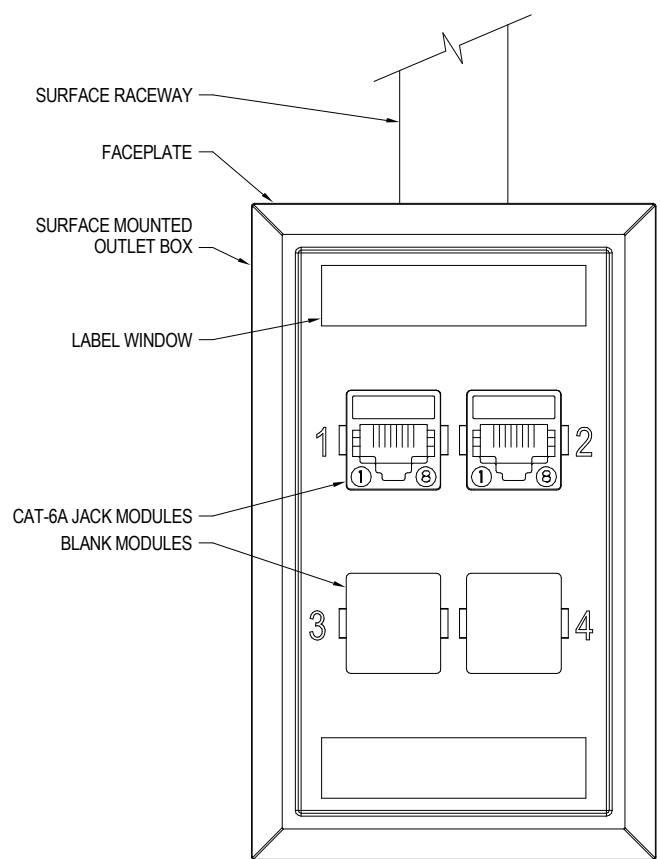


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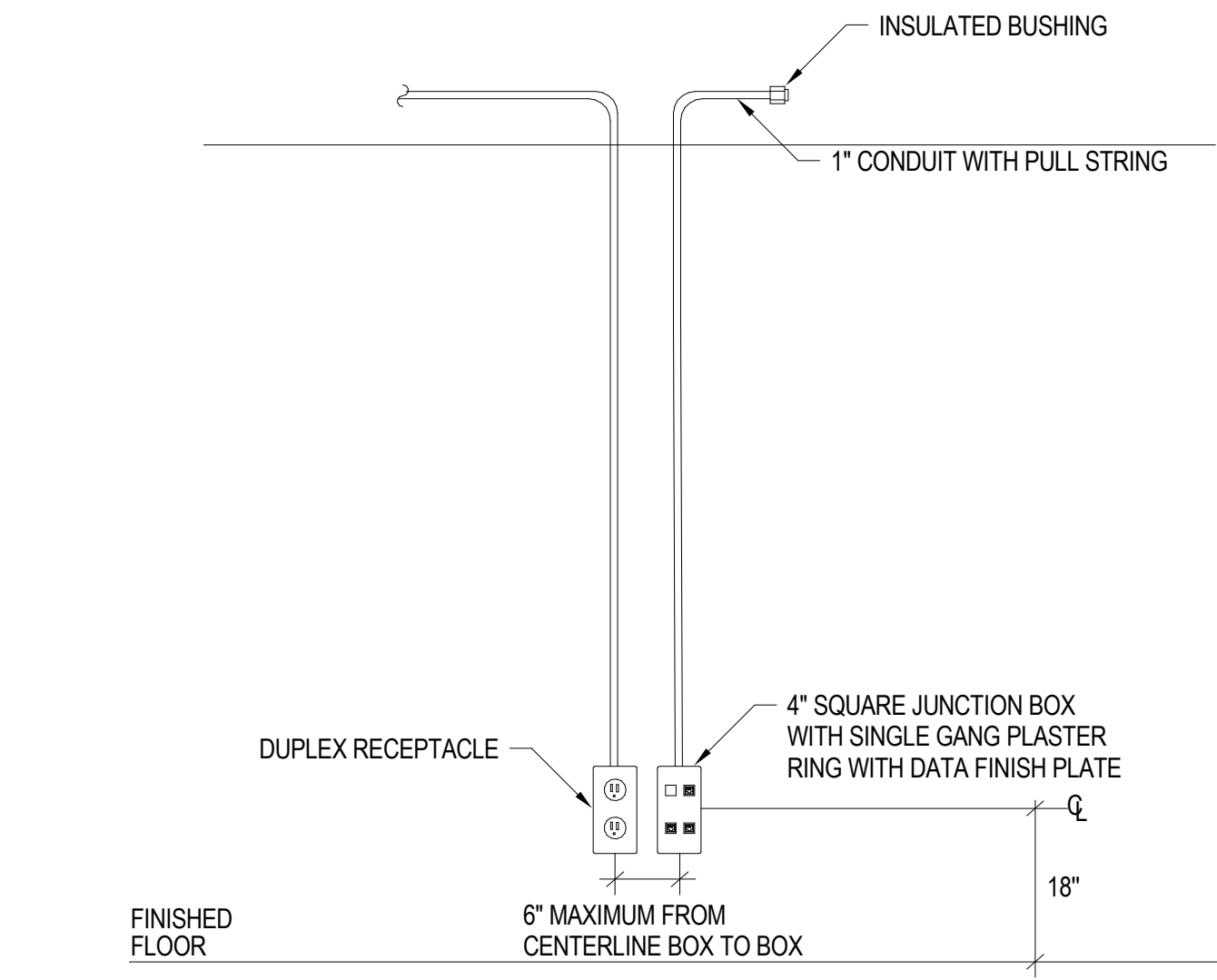
CLARK KJOS ARCHITECTS, LLC
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Phone: 503/224-4848



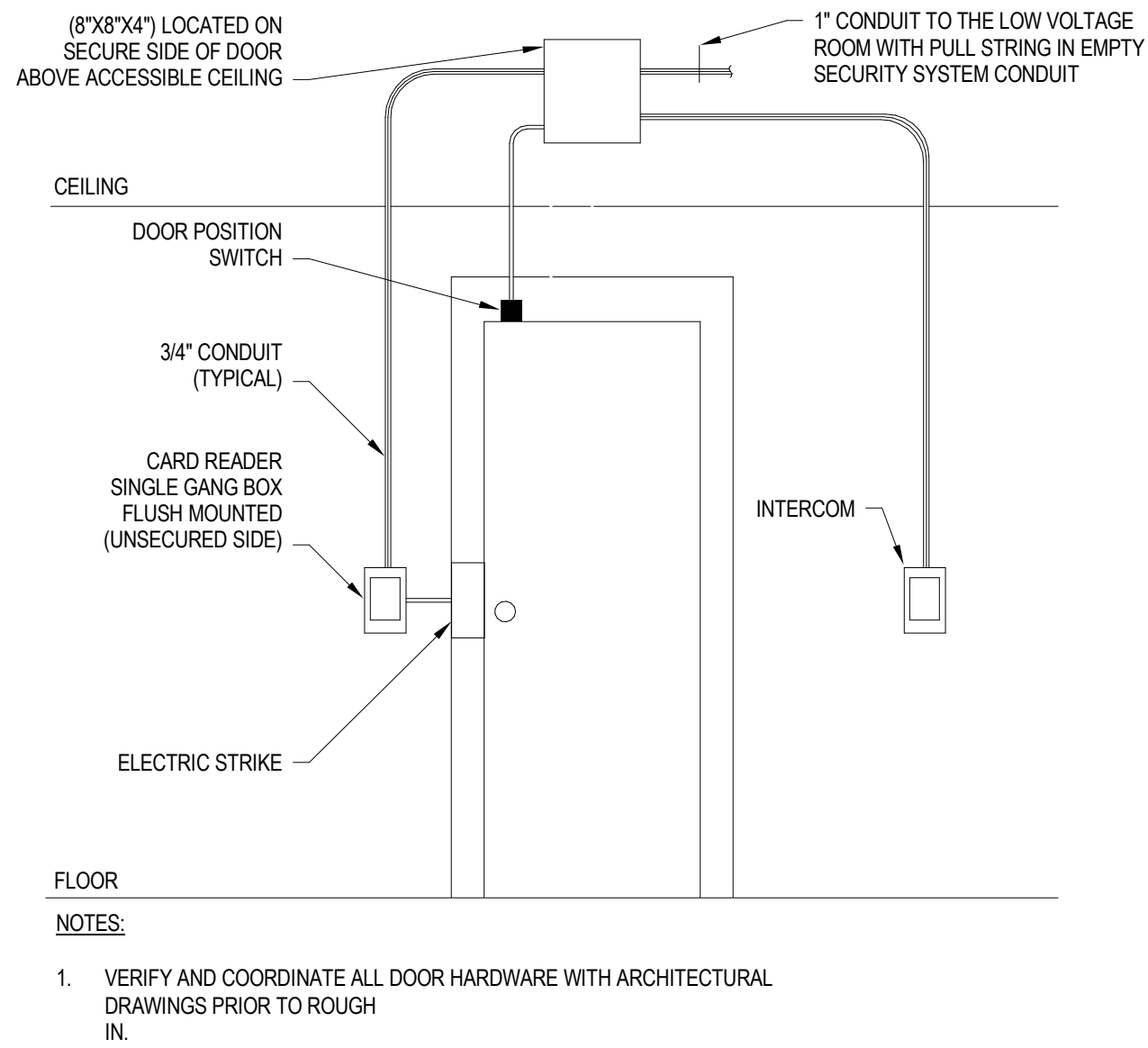
4 WIRELESS ACCESS POINT DETAIL
NTS



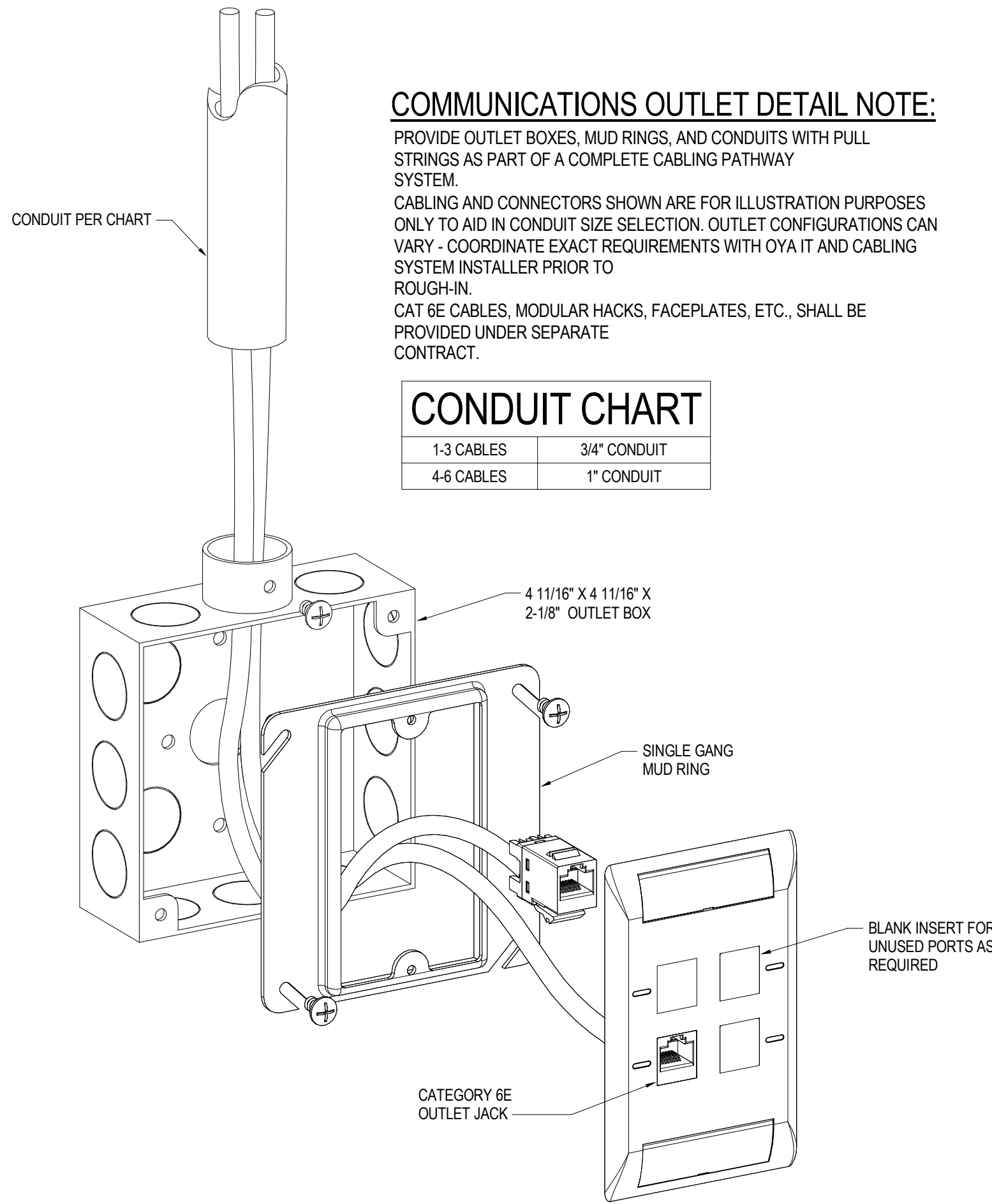
3 DATA OUTLET CONFIGURATION
NTS



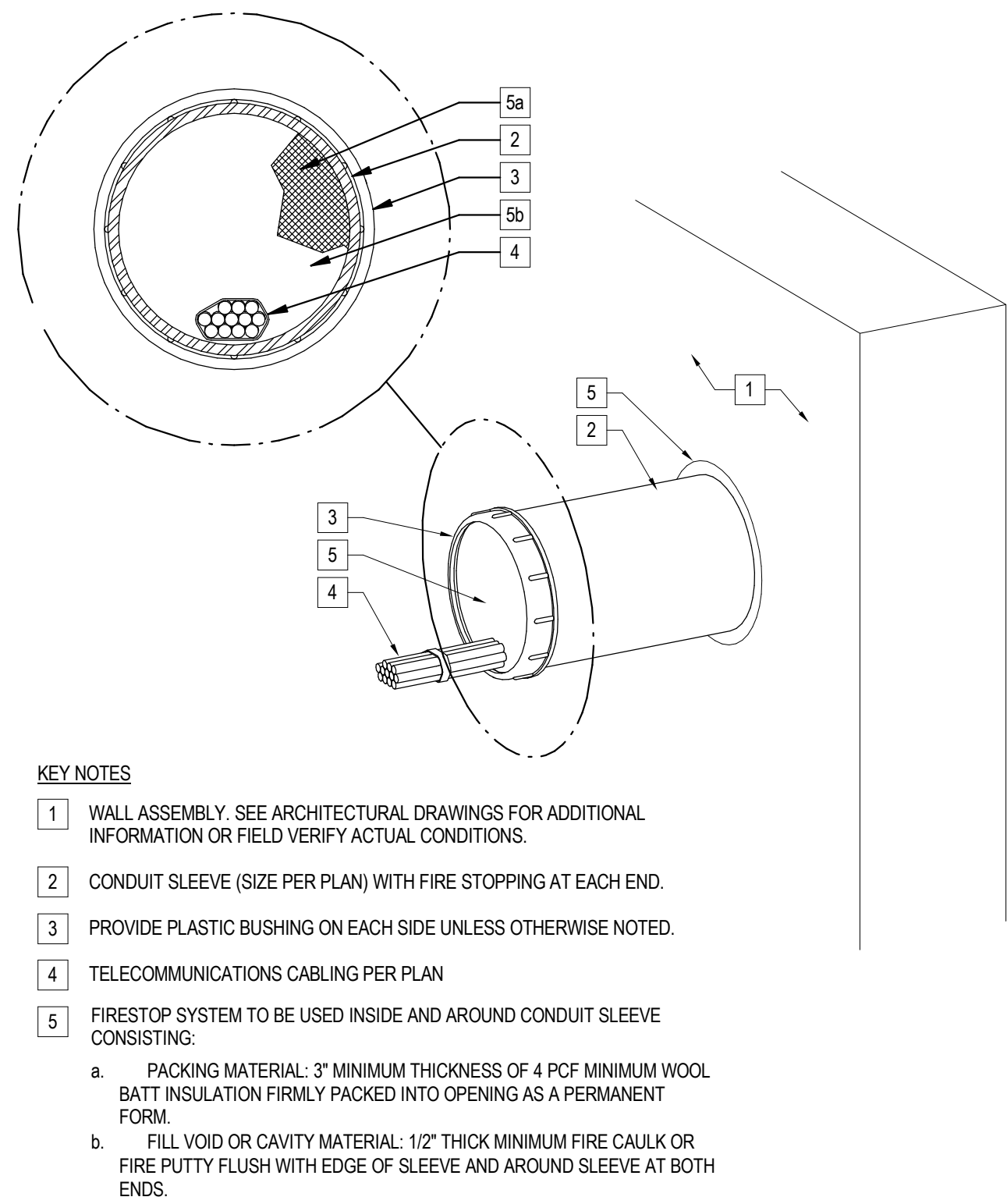
2 DATA OUTLET ROUGH-IN
NTS



1 ACCESS CONTROL ROUGH-IN
NTS



5 DATA OUTLET ASSEMBLY DETAIL
NTS



6 CONDUIT SLEEVE PENETRATION DETAIL
NTS

COMMUNICATIONS OUTLET DETAIL NOTE:
PROVIDE OUTLET BOXES, MUD RINGS, AND CONDUITS WITH PULL STRINGS AS PART OF A COMPLETE CABLING PATHWAY SYSTEM.
CABLING AND CONNECTORS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY TO AID IN CONDUIT SIZE SELECTION. OUTLET CONFIGURATIONS CAN VARY - COORDINATE EXACT REQUIREMENTS WITH OYA IT AND CABLING SYSTEM INSTALLER PRIOR TO ROUGH-IN.
CAT 6E CABLES, MODULAR JACKS, FACEPLATES, ETC., SHALL BE PROVIDED UNDER SEPARATE CONTRACT.

CONDUIT CHART	
1-3 CABLES	3/4" CONDUIT
4-6 CABLES	1" CONDUIT