



RELEASED FOR CONSTRUCTION
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Development Services Department
Lee's Summit, Missouri
05/13/2024

Seal of the State of Missouri:
SAMUEL K.
BECKMAN
ARCHITECT
#A-2011012130

Signature: [Handwritten Signature]

Date: 2/8/2023

Samuel K. Beckman, Architect
License - Missouri #A-2011012130

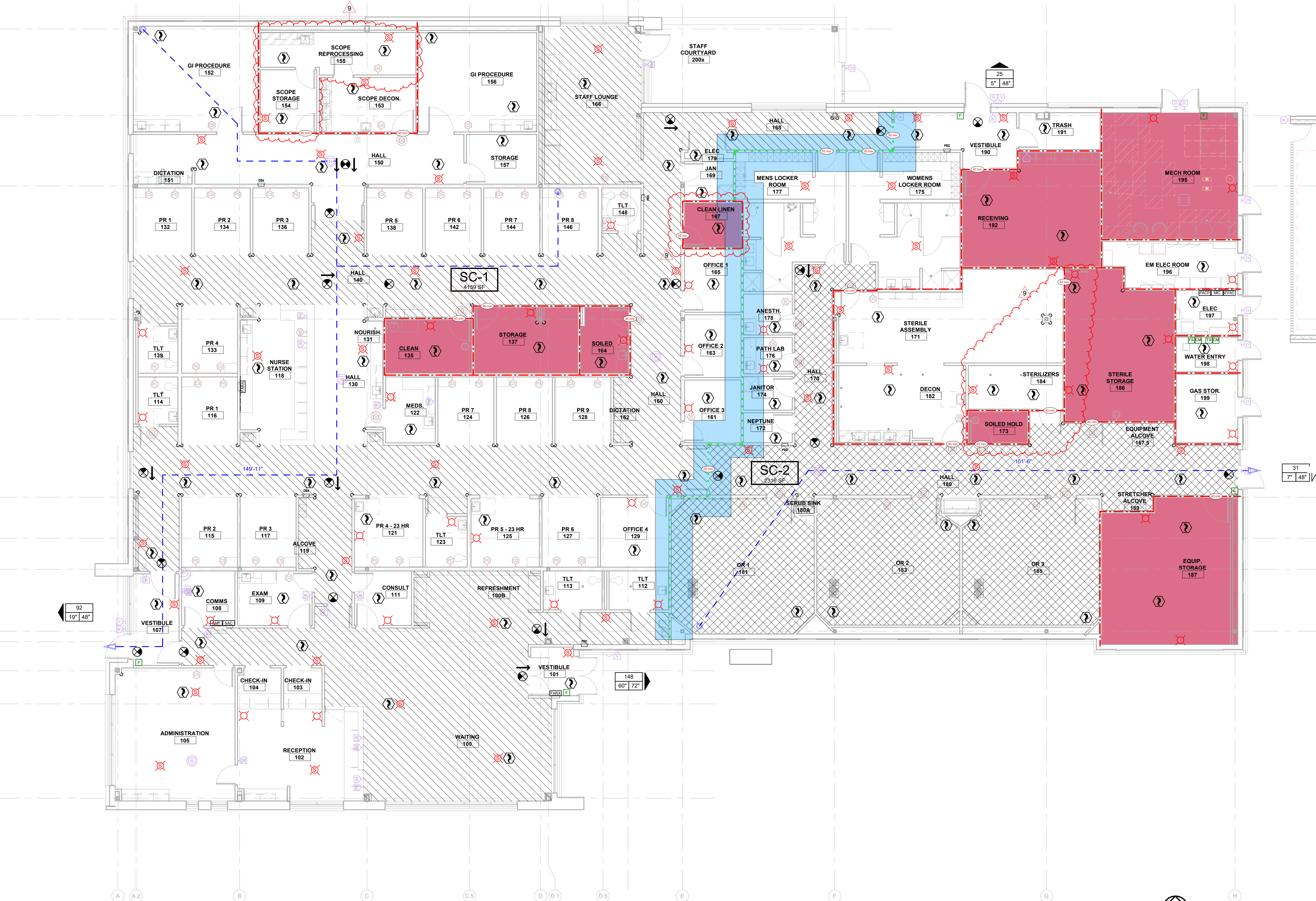
ACI BOLAND ARCHITECTS

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Architect's Certificate of Authority Number:

Branch Pattern
1508 Grand Boulevard
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913.951.8311

COVER SHEET



A1 CODE FOOTPRINT PLAN
1/8" = 1'-0"



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OCCUPANT LOAD				
NUMBER	ROOM NAME	AREA	OCC LOAD FACTOR	OCCUPANTS
100	WAITING	1004 SF	7	144
100B	REFRESHMENT	75 SF	7	12
102	RECEPTION	273 SF	150	2
103	CHECK-IN	58 SF	150	1
104	CHECK-IN	65 SF	150	1
105	ADMINISTRATION	410 SF	150	3
108	COMMS	75 SF	300	1
109	EXAM	105 SF	100	2
111	CONSULT	81 SF	100	1
115	PR 2	105 SF	100	2
116	PR 1	99 SF	100	1
117	PR 3	105 SF	100	2
118	NURSE STATION	239 SF	100	3
119	ALCOVE	28 SF	100	1
121	PR 4 - 23 HR	121 SF	100	2
122	MEDS.	85 SF	100	1
124	PR 7	99 SF	100	1
125	PR 5 - 23 HR	121 SF	100	2
126	PR 8	99 SF	100	1
127	PR 6	105 SF	100	2
128	PR 9	99 SF	100	1
129	OFFICE 4	123 SF	150	1
131	NOURISH	48 SF	100	1
132	PR 1	102 SF	100	2
133	PR 4	99 SF	100	1
134	PR 2	97 SF	100	1
135	CLEAN	119 SF	100	2
136	PR 3	97 SF	100	1
137	STORAGE	174 SF	300	1
138	PR 5	97 SF	100	1
142	PR 6	97 SF	100	1
144	PR 7	97 SF	100	1
146	PR 8	97 SF	100	1
151	DICTATION	23 SF	100	1
152	GI PROCEDURE	340 SF	100	4
153	SCOPE STORAGE	136 SF	100	2
154	SCOPE STORAGE	91 SF	300	1
155	SCOPE REPROCESSING	159 SF	100	2
156	GI PROCEDURE	304 SF	100	4

OCCUPANT LOAD				
NUMBER	ROOM NAME	AREA	OCC LOAD FACTOR	OCCUPANTS
157	STORAGE	90 SF	300	1
161	OFFICE 3	92 SF	150	1
162	DICTATION	30 SF	100	1
163	OFFICE 2	92 SF	150	1
164	SOILED	80 SF	300	1
165	OFFICE 1	92 SF	150	1
166	STAFF LOUNGE	398 SF	150	3
167	CLEAN LINEN	64 SF	300	1
167.5	EQUIPMENT ALCOVE	34 SF	100	1
169	JAN	49 SF	300	1
171	STERILE ASSEMBLY	476 SF	100	5
172	NEPTUNE	38 SF	300	1
173	SOILED HOLD	48 SF	300	1
174	JANITOR	43 SF	300	1
175	WOMENS LOCKER ROOM	359 SF	50	8
176	PATH LAB	46 SF	100	1
177	MENS LOCKER ROOM	323 SF	50	7
178	ANESTH.	52 SF	100	1
179	ELEC	8 SF	300	1
180A	SCRUB SINK	8 SF	100	1
180B	SCRUB SINK	18 SF	100	1
181	OR 1	473 SF	100	5
182	DECON	251 SF	100	3
183	OR 2	445 SF	100	5
184	STERILIZERS	107 SF	300	1
185	OR 3	428 SF	100	5
186	STERILE STORAGE	398 SF	300	2
187	EQUIP. STORAGE	468 SF	300	2
189	STRETCHER ALCOVE	13 SF	100	1
191	TRASH	75 SF	300	1
192	RECEIVING	380 SF	300	2
195	MECH ROOM	441 SF	300	2
196	EM ELEC ROOM	151 SF	300	1
197	ELEC	70 SF	300	1
198	WATER ENTRY	55 SF	300	1
199	GAS STOR.	109 SF	300	1
Grand Total				287

AREA OF REFUGE CALCULATION			
SMOKE COMPARTMENT #1 (TOTAL REQUIRED AREA)	SMOKE COMPARTMENT #2 (TOTAL REQUIRED AREA)		
22 PATIENTS X 30 SF = (TOTAL REQUIRED AREA)	15 PATIENTS X 30 SF = (TOTAL REQUIRED AREA)		
DEFEND IN PLACE (REMAIN IN SC#1) AREA PROVIDED FOR SC#1	DEFEND IN PLACE (REMAIN IN SC#2) AREA PROVIDED FOR SC#2	4,199 SF	2,316 SF
MOVE COMPARTMENTS, (TO COMPARTMENT #2) AREA PROVIDED FOR SC#2	MOVE COMPARTMENTS, (TO COMPARTMENT #1) AREA PROVIDED FOR SC#1	2,316 SF	4,199 SF
*PER 2018 IBC, SECTION 422.3.2			

CODE SUMMARY

PROJECT CONSTRUCTION PURPOSE: New Construction of an Ambulatory Surgery Center

OWNER: Hammes Partners Headquarters
1400 N. Water Street, Suite 500
Minneapolis, Wisconsin 55402

DESIGNER: ACI Boland Architects
1710 Wyandotte St.
Kansas City, MO 64108
Phone: (816) 763-9600

LOCAL AUTHORITY:
RESPONDING FIRE SERVICE: Lee's Summit Fire Department
LOCAL BUILDING INSPECTION: Lee's Summit, Missouri - Codes Administration Department

CODE INFORMATION:
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL RESIDENTIAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2017 NATIONAL ELECTRIC CODE (NFPA 70)
19 CSR 30-30

STANDARDS FOR ACCESSIBLE DESIGN / AMERICANS WITH DISABILITIES ACT OF 1990
2009 ICC/ANSI A117.1
NOTE: IF CODE REQUIREMENTS OVERLAP, THE MOST STRINGENT SHALL APPLY.

TYPE OF CONSTRUCTION: II-B IBC II (000) NFI
Allowable Area: 506.2, Allowable: 92,000, Actual: 41,792.00
(Type I-B Sprinklered)
(Type I-B Sprinklered One Story)

Allowable Height: 2018 IBC Table 504.3
Building Height: 75', Allowable: 75', Actual: 30'-0"
(Type I-B Sprinklered)
(Type I-B Sprinklered)

OCCUPANCY GROUP: B (Ambulatory Care Facility)
OCCUPANT LOAD:
TOTAL SQUARE FOOTAGE: SF / = 17,920 SF
TOTAL NUMBER OF OCCUPANTS = 284

DEAD END CORRIDOR LENGTH LIMIT: 50'
EXIT ACCESS TRAVEL DISTANCE: 100' MAXIMUM
COMMON PATH OF TRAVEL: 145'-11"

AREA OF CONSTRUCTION:
+/- 17,920 SF

REQUIRED FIRE RESISTANCE RATINGS (IN HOURS)
PER NFPA 101 A.8.2.1.2

EXTERIOR BEARING WALLS	0 HR
INTERIOR BEARING WALLS	0 HR
PRIMARY STRUCTURAL FRAME	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR
INTERIOR NON-BEARING WALLS	0 HR

ACTIVE FIRE SAFETY FEATURES:
FIRE ALARM SYSTEM - THE FIRE ALARM SYSTEM IS SPECIFIED AS AN ADDRESSABLE TYPE SYSTEM. THE DEVICE TYPE AND LOCATIONS ARE PER THE APPLICABLE CODES AS WELL AS ADA REQUIREMENTS.
SMOKE CONTROL SYSTEM - ALL DUCTWORK PENETRATING SMOKE RATED WALLS WILL HAVE A SMOKE OR COMBINATION FIRE/SMOKE DAMPER AS INDICATED ON CONSTRUCTION DOCUMENTS. THESE DAMPERS WILL CLOSE UPON DETECTION OF SMOKE BY THE AREA SMOKE DETECTORS OR DUCT SMOKE DETECTORS IN THE AIR HANDLING UNITS.
FIRE SPRINKLER SYSTEM - SPECIFIED TO BE PER NFPA 13. THE SPRINKLER HEADS ARE SPECIFIED TO BE QUICK RESPONSE TYPE.
EMERGENCY LIGHTING AND POWER - EMERGENCY LIGHTING, LIFE SAFETY AND CRITICAL LOADS WILL RECEIVE POWER FROM A BACKUP GENERATOR LOCATED OUTSIDE THE MAIN ELECTRICAL ROOM.
ILLUMINATED EXIT SIGNS

PASSIVE FIRE SAFETY FEATURES:
SMOKE COMPARTMENTS NO GREATER THAN 22,500 SF

CODE FOOTPRINT LEGEND

PARTITION TYPES

0 HR SMOKE PARTITION (SMOKE RESISTIVE)	
1 HR SMOKE BARRIER	
1 HR FIRE BARRIER	
2 HR FIRE BARRIER	
2 HR FIRE SMOKE BARRIER	
3 HR FIRE BARRIER	

AREA DESIGNATIONS

CORRIDOR	EXIT ENCLOSURE
HAZARDOUS ROOM	SHAFT

BOUNDARY DESIGNATIONS

SMOKE COMPARTMENT 1 HR SMOKE BARRIER	REFUGE AREA - SMOKE COMPARTMENT #1
NOT IN ARCHITECTURAL SCOPE	REFUGE AREA - SMOKE COMPARTMENT #2

SYMBOLS

SC-1 SIZE SF	SUITE DESIGNATION
S1 NON-SLEEP SIZE SF	FIRE EXIT
50 12' 36'	OCCUPANT LOAD
	EXIT WIDTH PROVIDED
	EXIT WIDTH REQUIRED
	NEW FIRE EXTINGUISHER CABINET
	EXISTING FIRE EXTINGUISHER CABINET
	EXIT SIGN
	FIRE DOOR RATING
	TRAVEL DISTANCE
	FIRE/SMOKE DAMPER
	SMOKE DETECTOR
	HEAT DETECTOR
	STROBE
	STROBE/SPEAKER
	HORN/STROBE
	HORN
	FIRE PULL STATION
	FIRE SPRINKLER ZONE VALVE

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04/30/2024

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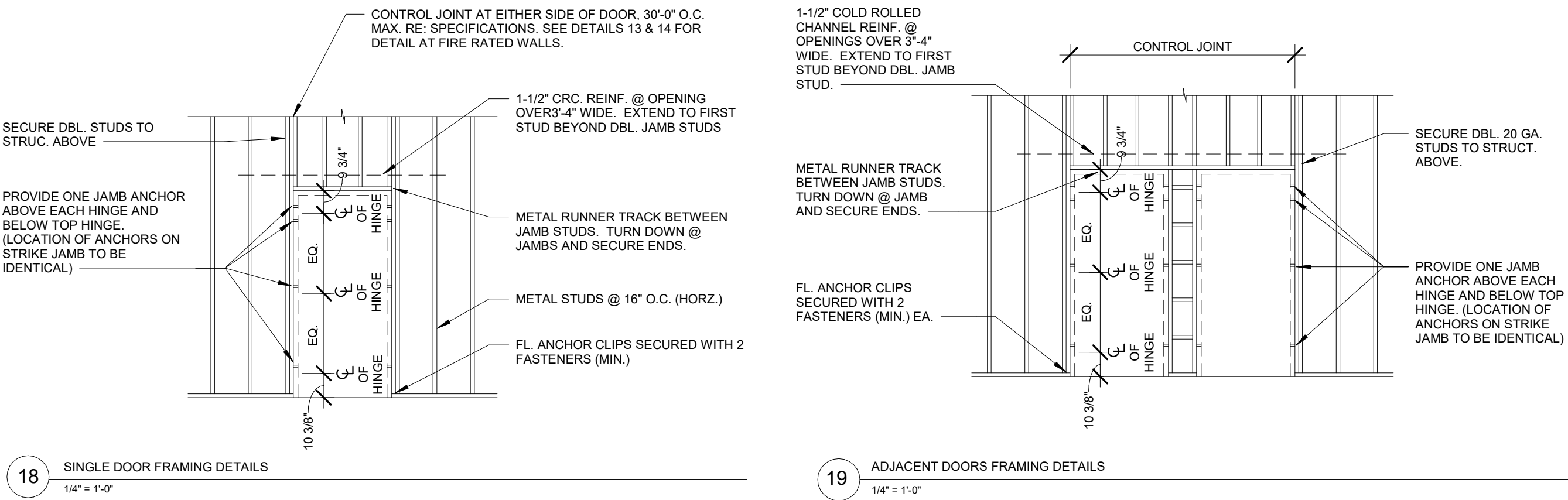
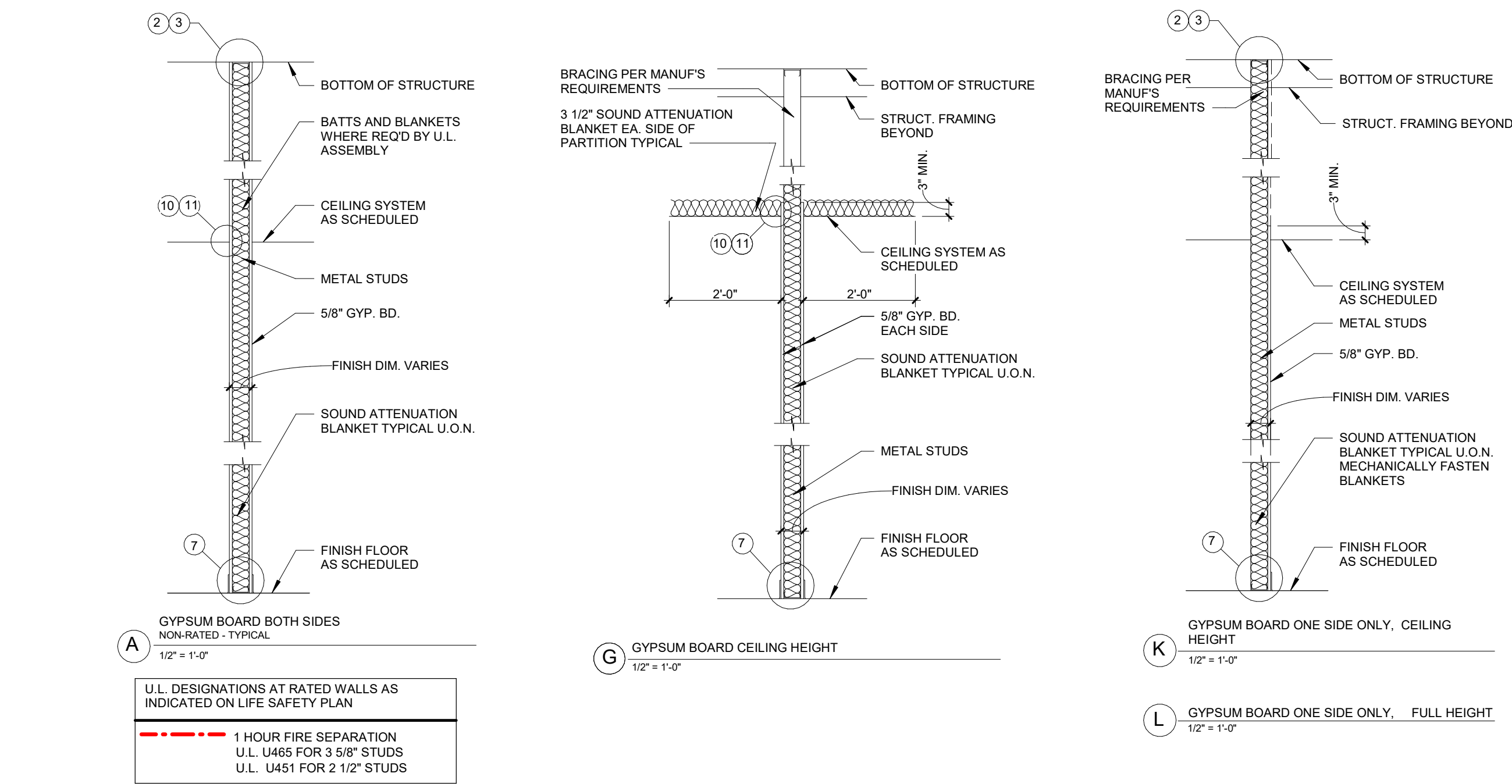
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Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

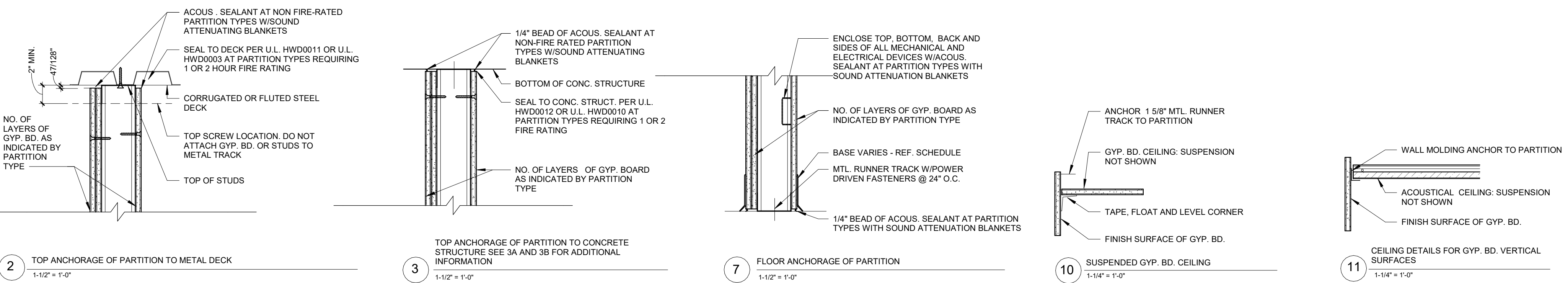
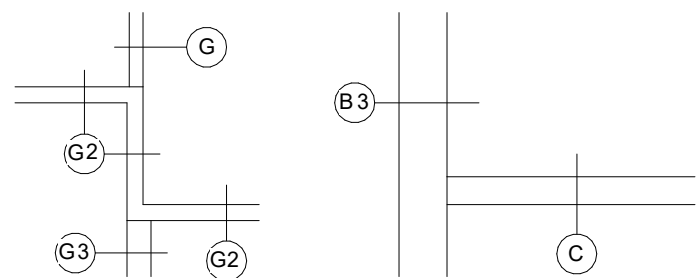
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Number	Date	Description
3	3/9/23	Addendum #3
9	4/29/24	ASI 6

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CODE FOOTPRINT PLAN



PARTITION GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3 5/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3-5/8" THICK. NOTE: STUD THICKNESS (GAUGE) MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SPAN (HEIGHT OF STUD).
 - WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE METAL STUD THICKNESS SHALL BE AS SCHEDULED BELOW.
- | SUFFIX | MTL. STUD THICKNESS |
|--------|---------------------|
| 1 | 1-5/8" MTL. STUDS |
| 2 | 2-1/2" MTL. STUDS |
| 3 | 6" MTL. STUDS |
- UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
 - UNLESS NOTED OTHERWISE, ALL CMU PARTITIONS ARE 7-5/8", 8" NOMINAL. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF CMU PARTITIONS OTHER THAN 8" NOMINAL.
- | SUFFIX | CMU THICKNESS |
|--------|-----------------------------|
| 1 | ACTUAL 3-5/8", 4" NOMINAL |
| 2 | ACTUAL 5-5/8", 6" NOMINAL |
| 3 | ACTUAL 11-5/8", 12" NOMINAL |
- WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE CMU THICKNESS SHALL BE AS SCHEDULED BELOW.
 - UNLESS NOTED OTHERWISE, ALL INTERIOR MASONRY PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'B' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
 - ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCTURE TO CEILING STRUCTURE UNLESS NOTED OTHERWISE.
 - METAL STUDS ARE SPACED @ 16" O.C. MAX., UNLESS NOTED OTHERWISE.
 - UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRECODE".
 - THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A WALL TAG.
 - THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES.
 - PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS.
 - PARTITION TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH SCHEDULE.
 - AT PARTITION TYPES WHERE MTL. STUDS ARE EXPOSED ON ONE OR BOTH SIDES, CUT STUD 1/4" SHORT AND SCREW BOTH SIDES TO MTL. RUNNER TRACK.



2/8/2023

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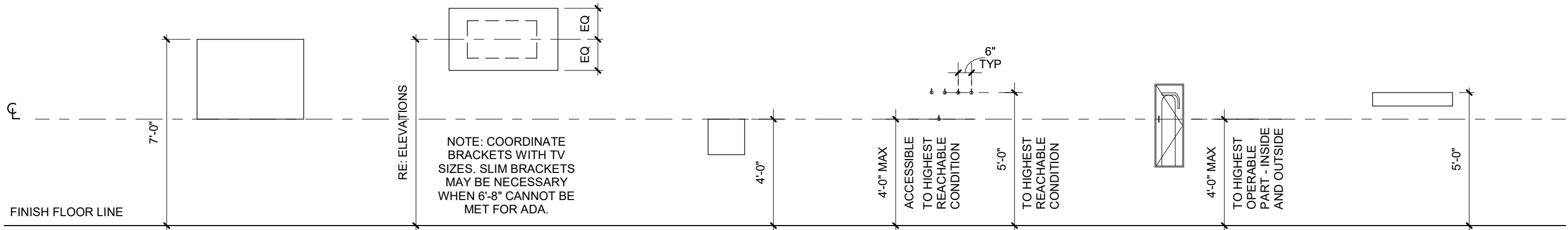
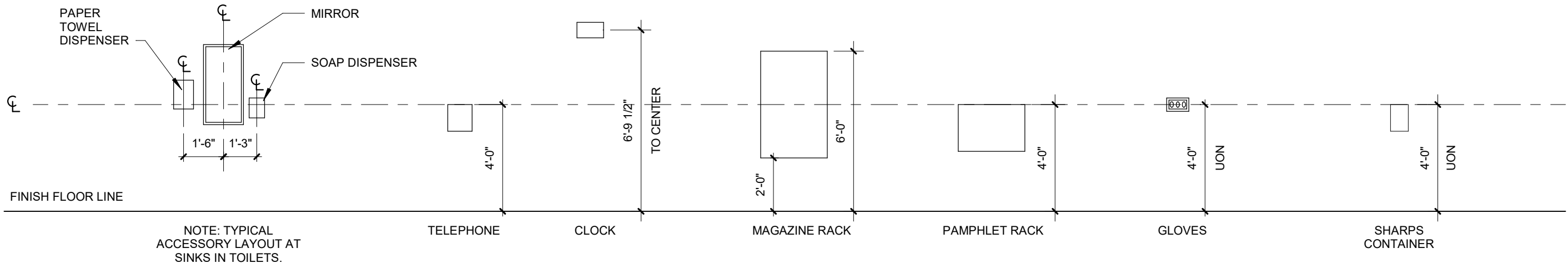
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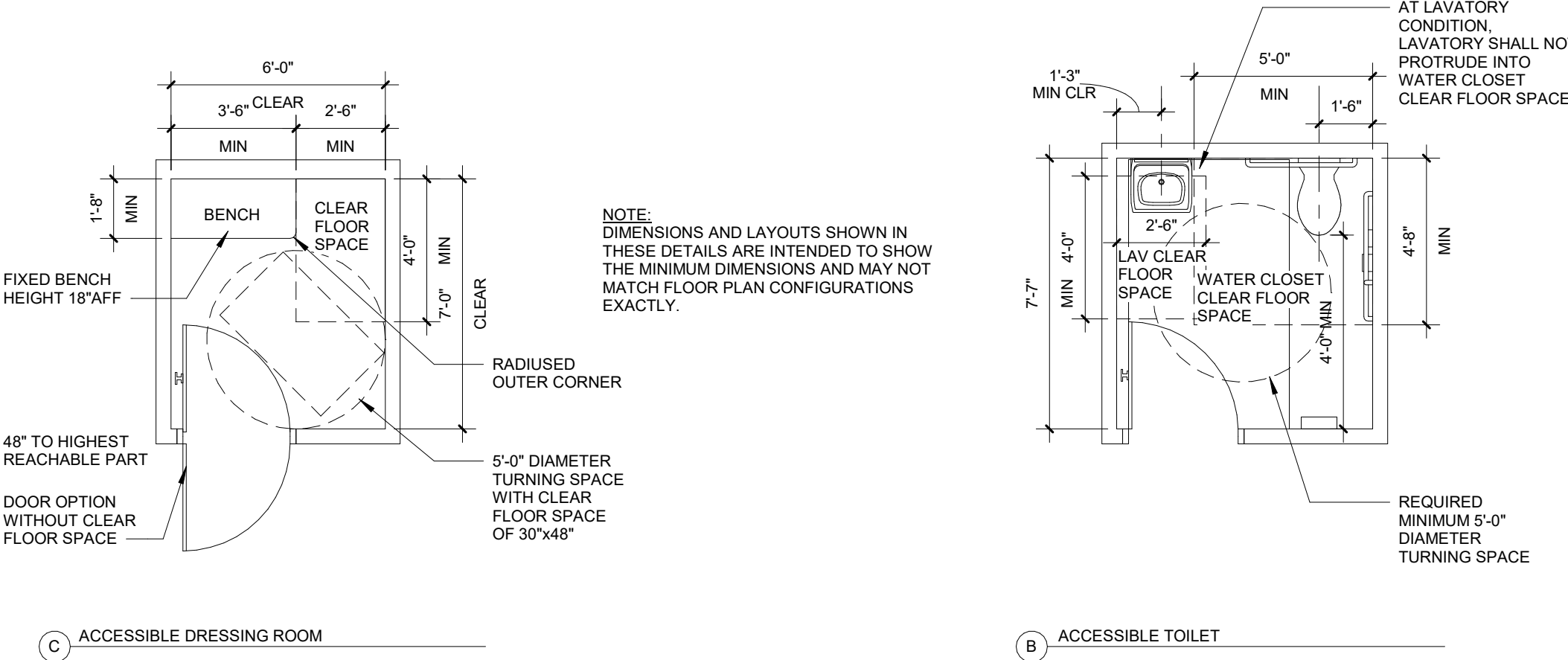
PARTITION TYPES AND DETAILS

GENERAL NOTES

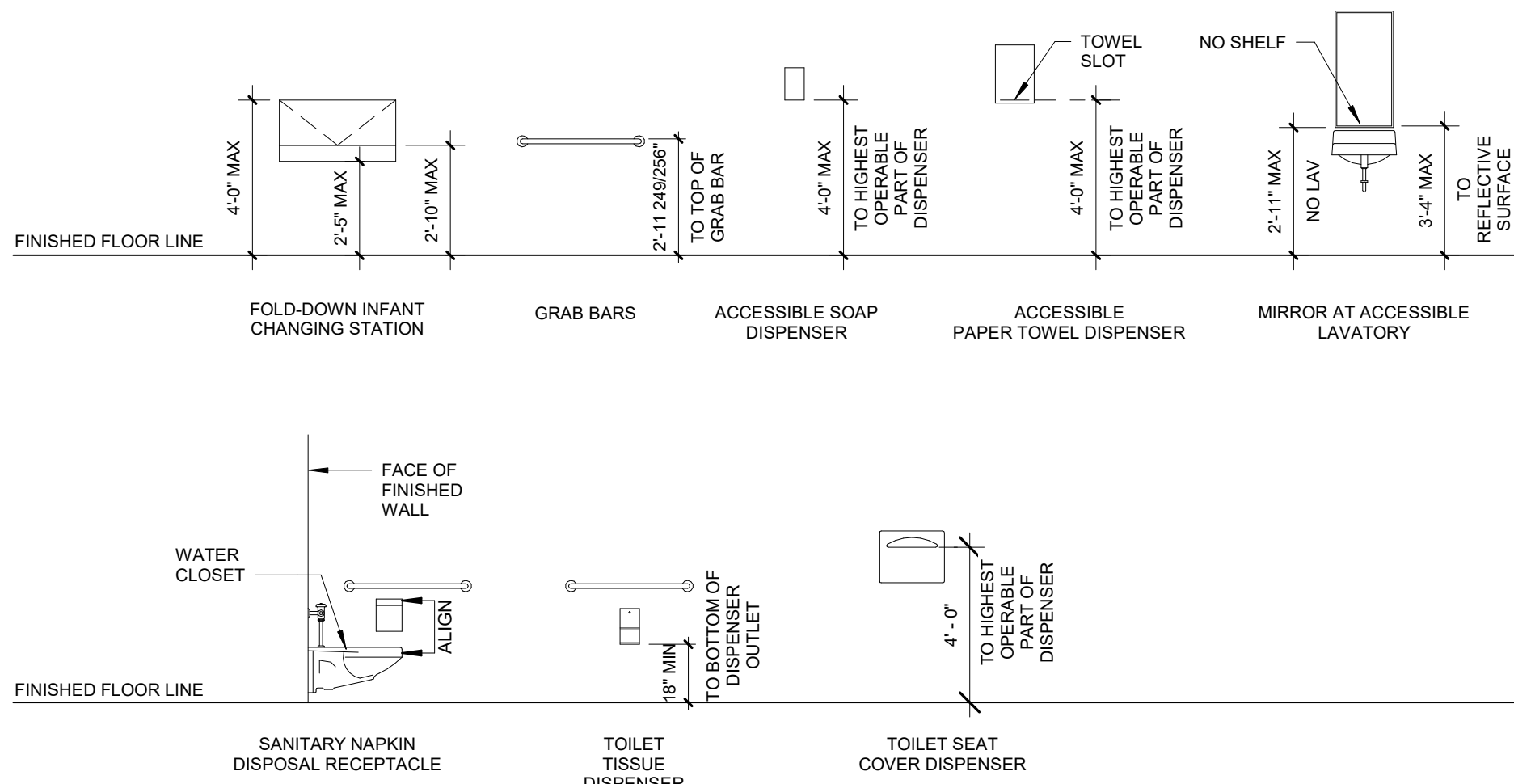
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL BUILDING CODES AND REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- DO NOT SCALE DRAWINGS.
- THE WORD "ALIGN" AND "EQUAL" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
- TYPICAL DIMENSIONS ARE TO FACE OF CONCRETE, DRYWALL, CURTAIN WALL, ETC., OR TO COLUMN CENTERLINE. DIMENSIONS AT WINDOWS ARE TYPICALLY TO FACE OF FRAME. REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
- THE GENERAL CONTRACTOR SHALL INSPECT AND CHECK THE ADEQUACY AND INSTALLATION OF THROUGH-WALL FLASHING PRIOR TO COVERING WITH FINISH MATERIALS. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO INSPECTION AGAINST HOLES OR PENETRATIONS, APPROPRIATE LAPPING AND SEALING, AND OVERALL WORKMANSHIP IN CONFORMANCE WITH THE SPECIFICATIONS.



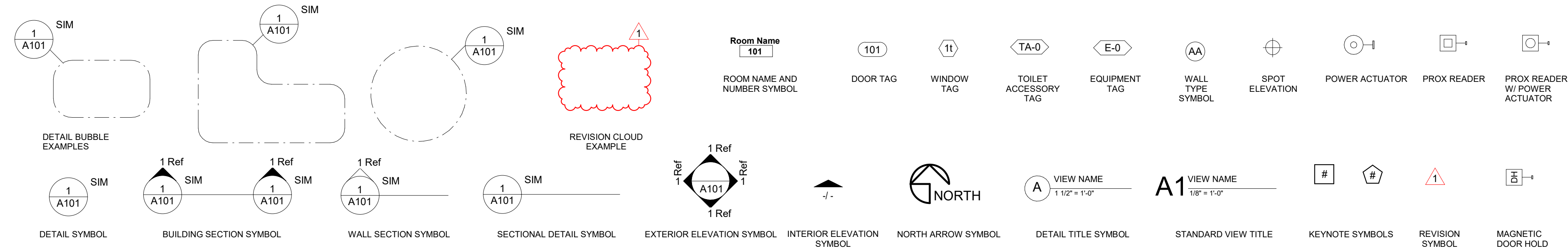
EQUIPMENT MOUNTING HEIGHTS
1/4" = 1'-0"



GENERAL ADA TOILET DIMENSIONS
1/4" = 1'-0"

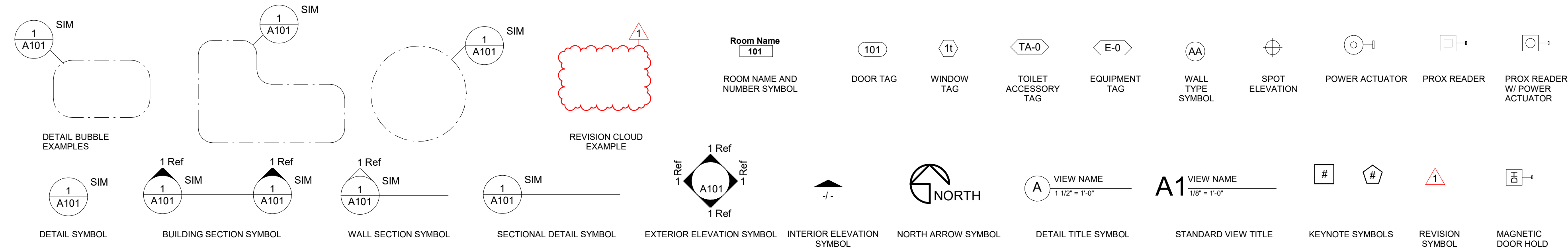


TOILET ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"



TYPICAL FIXTURE ELEVATION
1/4" = 1'-0"

SYMBOLS
1/4" = 1'-0"



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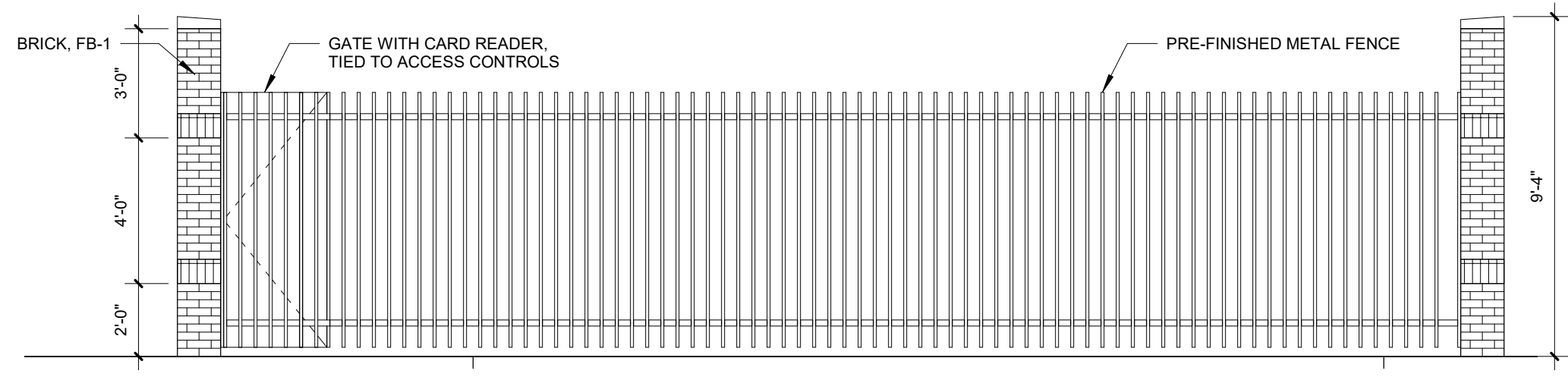
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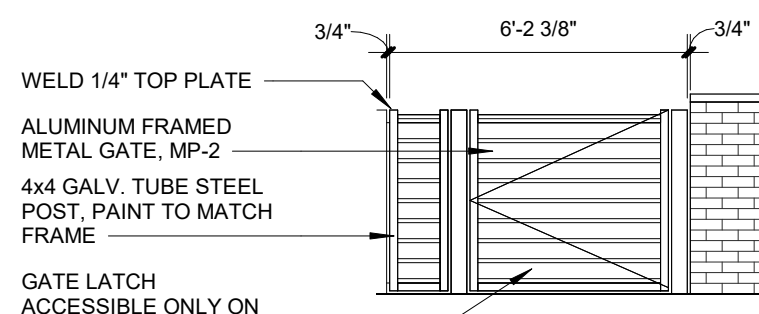
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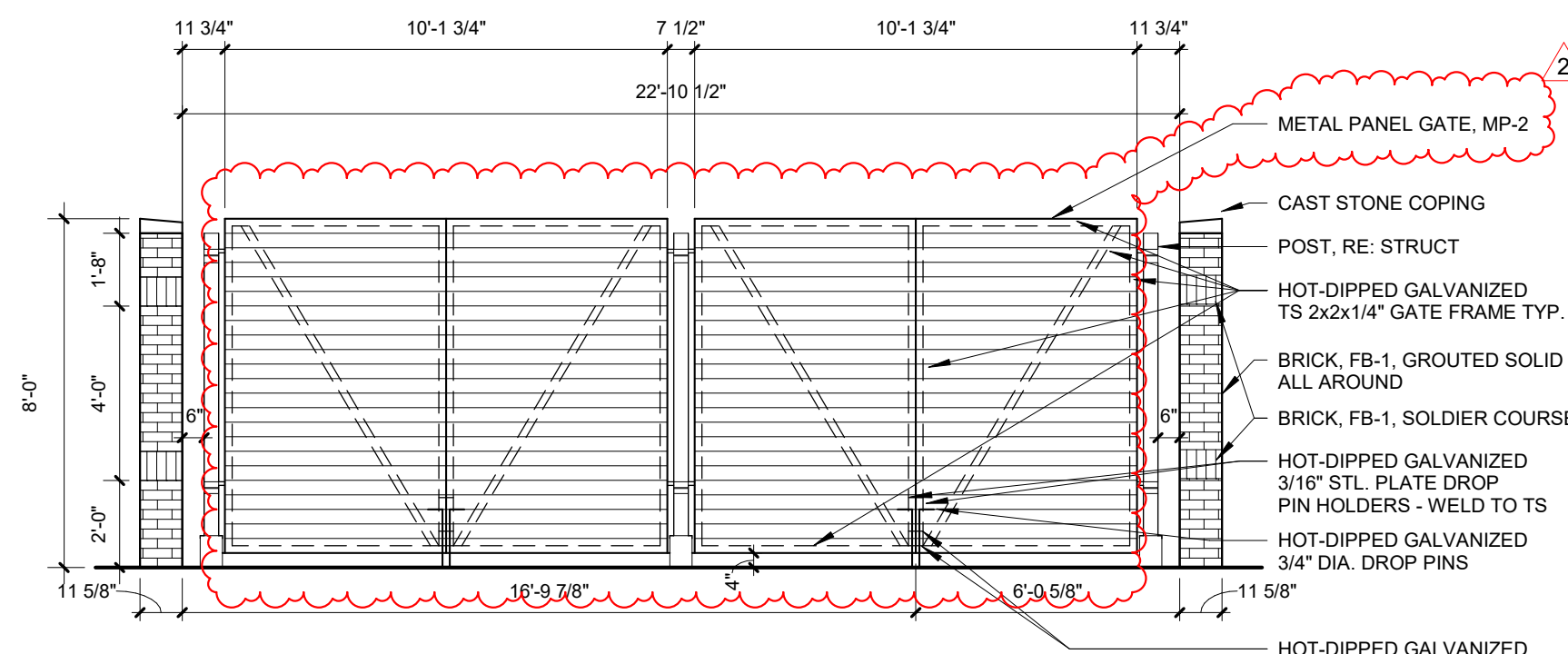
Revision
Number Date Description



E6 MECHANICAL YARD WEST ELEVATION
1/4" = 1'-0"

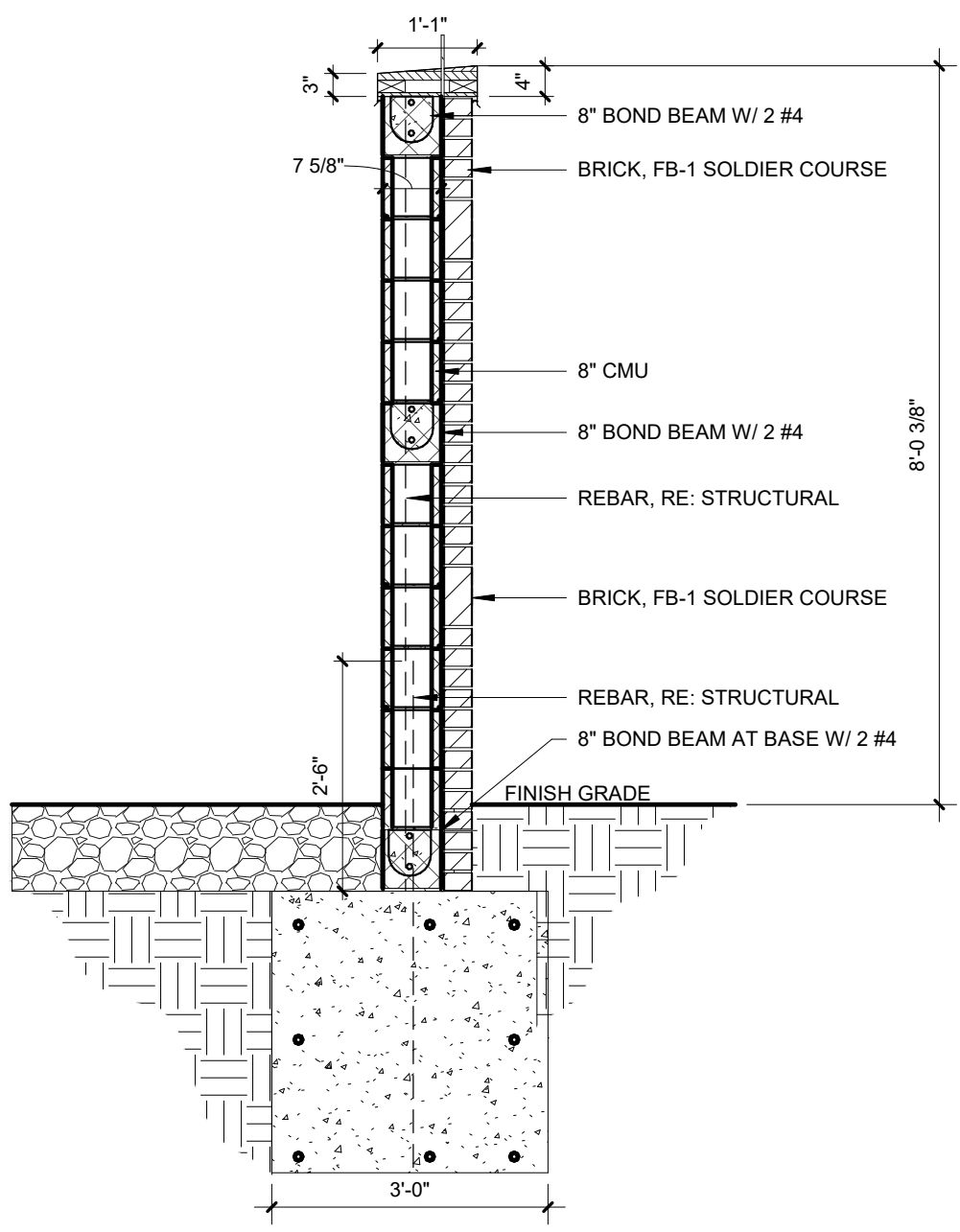


E4 STAFF PATIO GATE
1/4" = 1'-0"

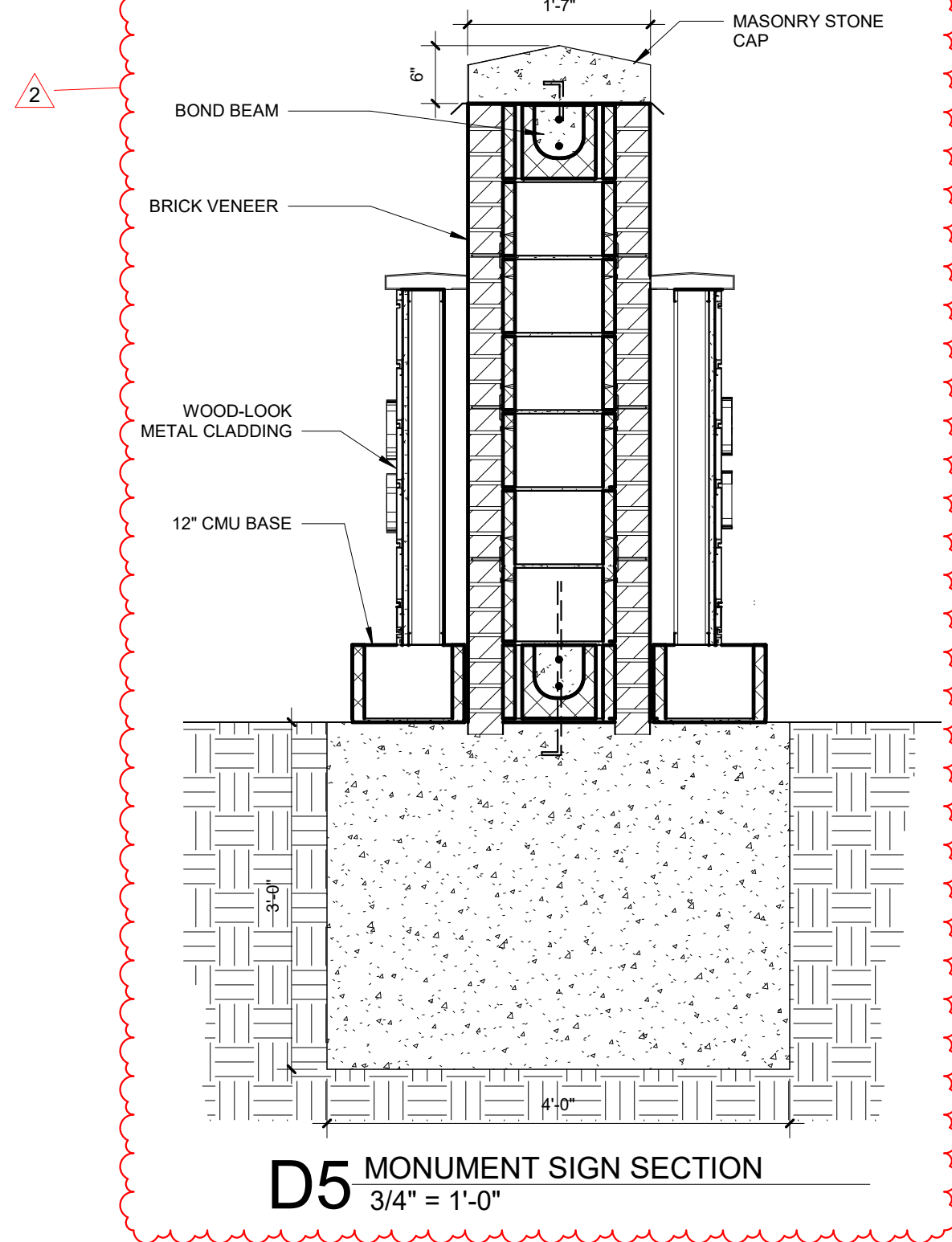


E3 TRASH ENCLOSURE FRONT ELEVATION
1/4" = 1'-0"

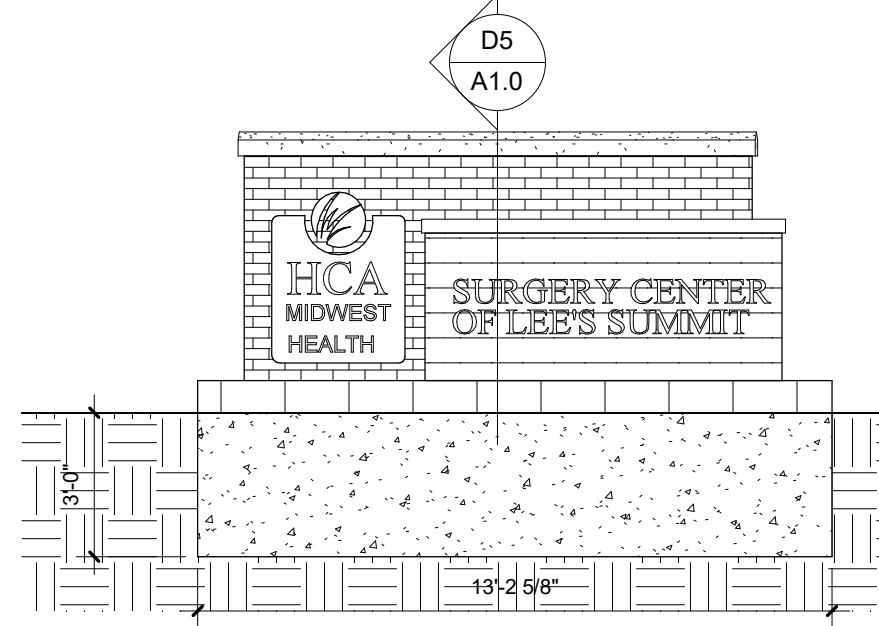
KEYNOTE LEGEND - C&S	
Key Value	Keynote Text
P-1	ROOF ACCESS HATCH AND LADDER.
P-4	FLOOR MOUNTED MECHANICAL EQUIPMENT, RE: MEP
P-5	MANUFACTURED METAL BOLLARDS
P-6	EXTENTS OF CANOPY ABOVE
P-7	KNOX BOX



D6 TRASH ENCLOSURE WALL SECTION
1/2" = 1'-0"



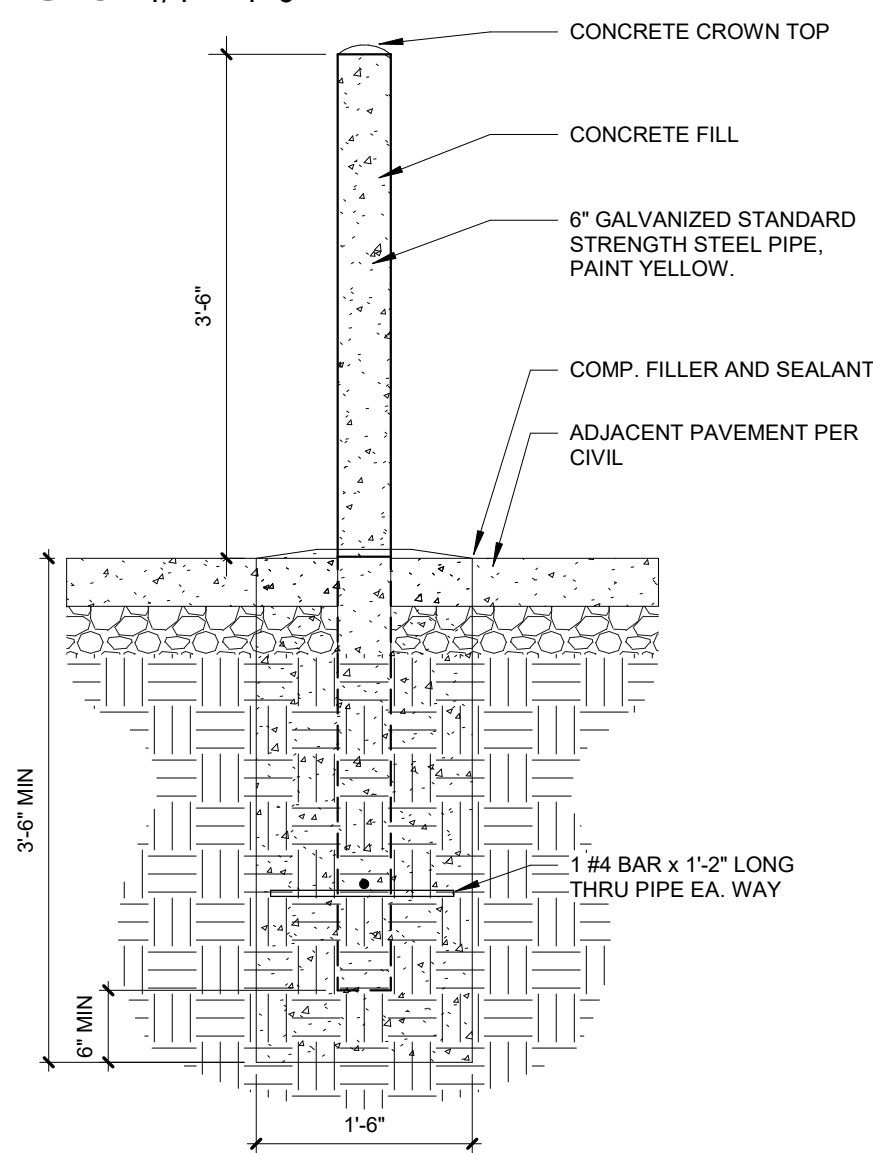
D5 MONUMENT SIGN SECTION
3/4" = 1'-0"



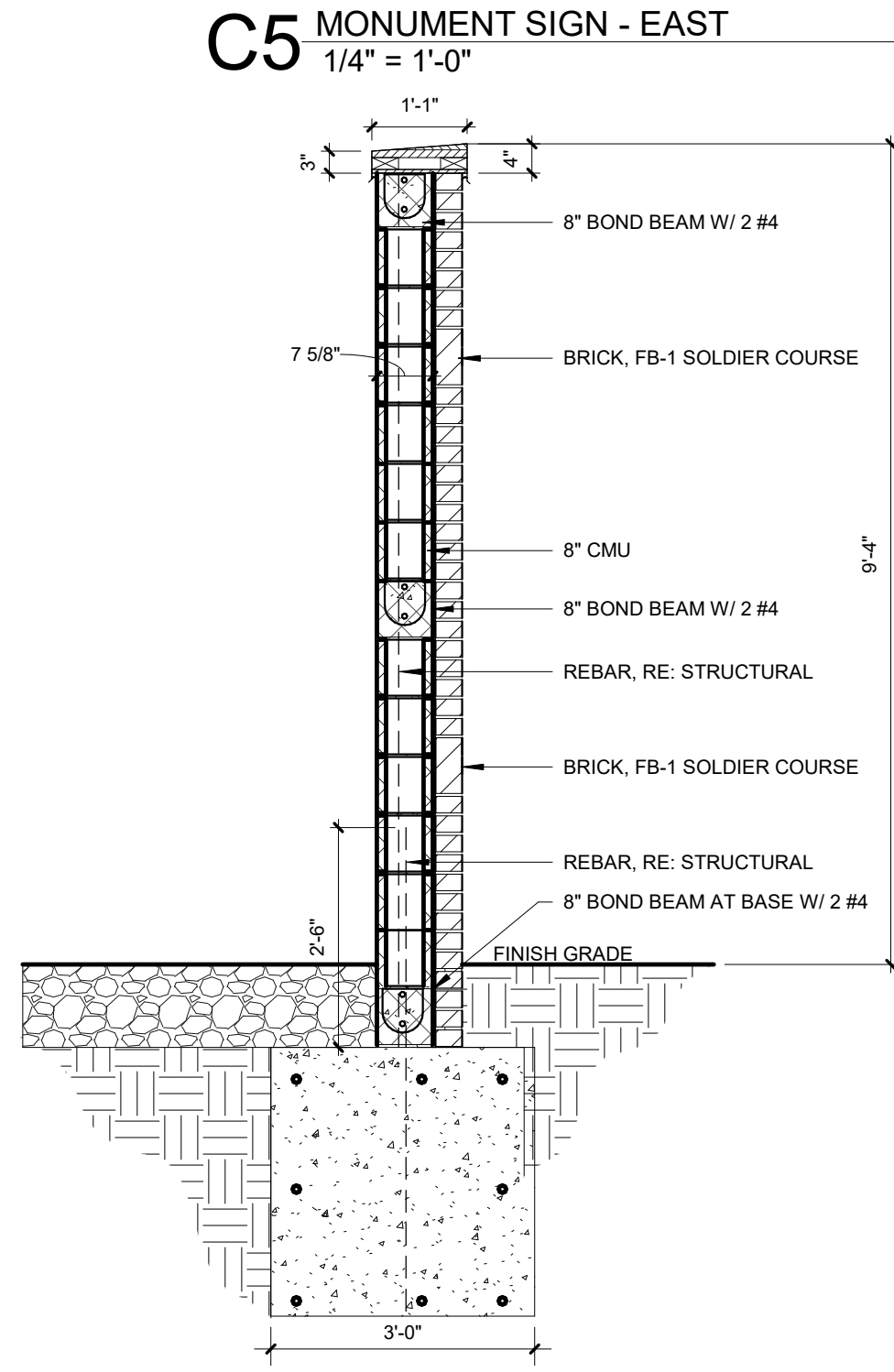
C6 MONUMENT SIGN WEST
1/4" = 1'-0"



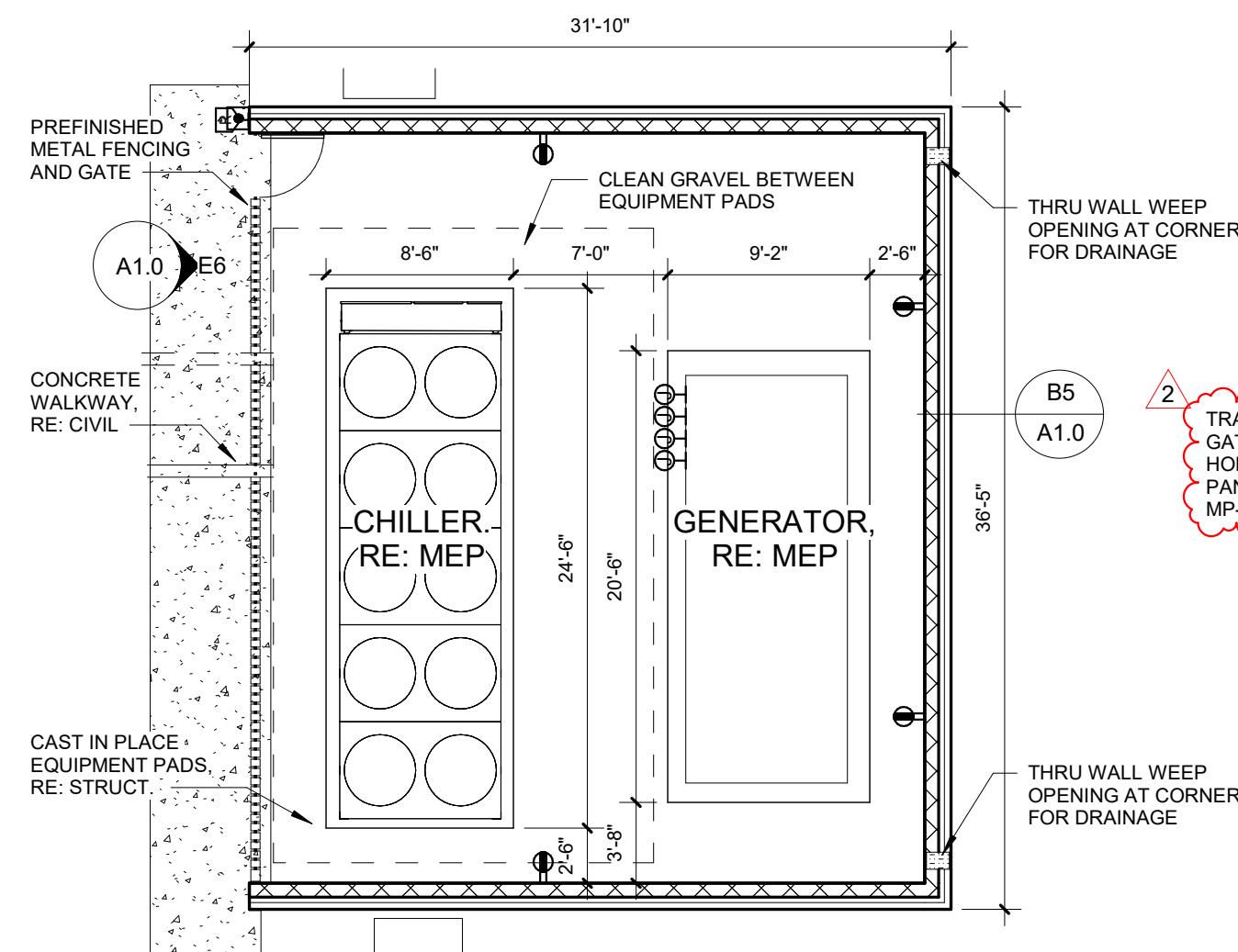
C5 MONUMENT SIGN - EAST
1/4" = 1'-0"



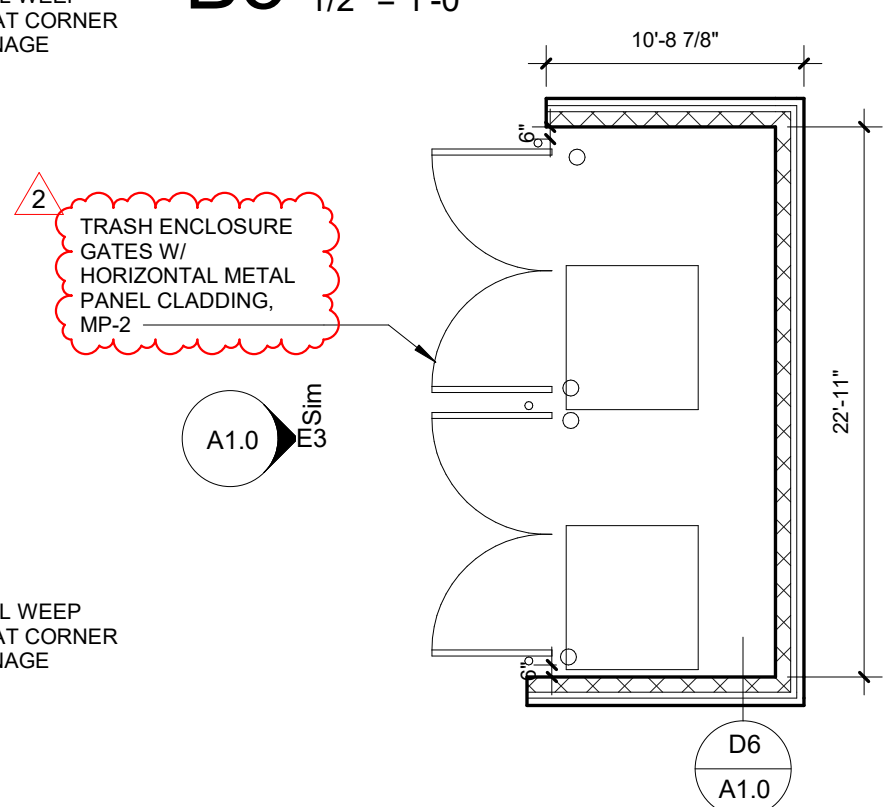
B6 BOLLARD DETAIL
3/4" = 1'-0"



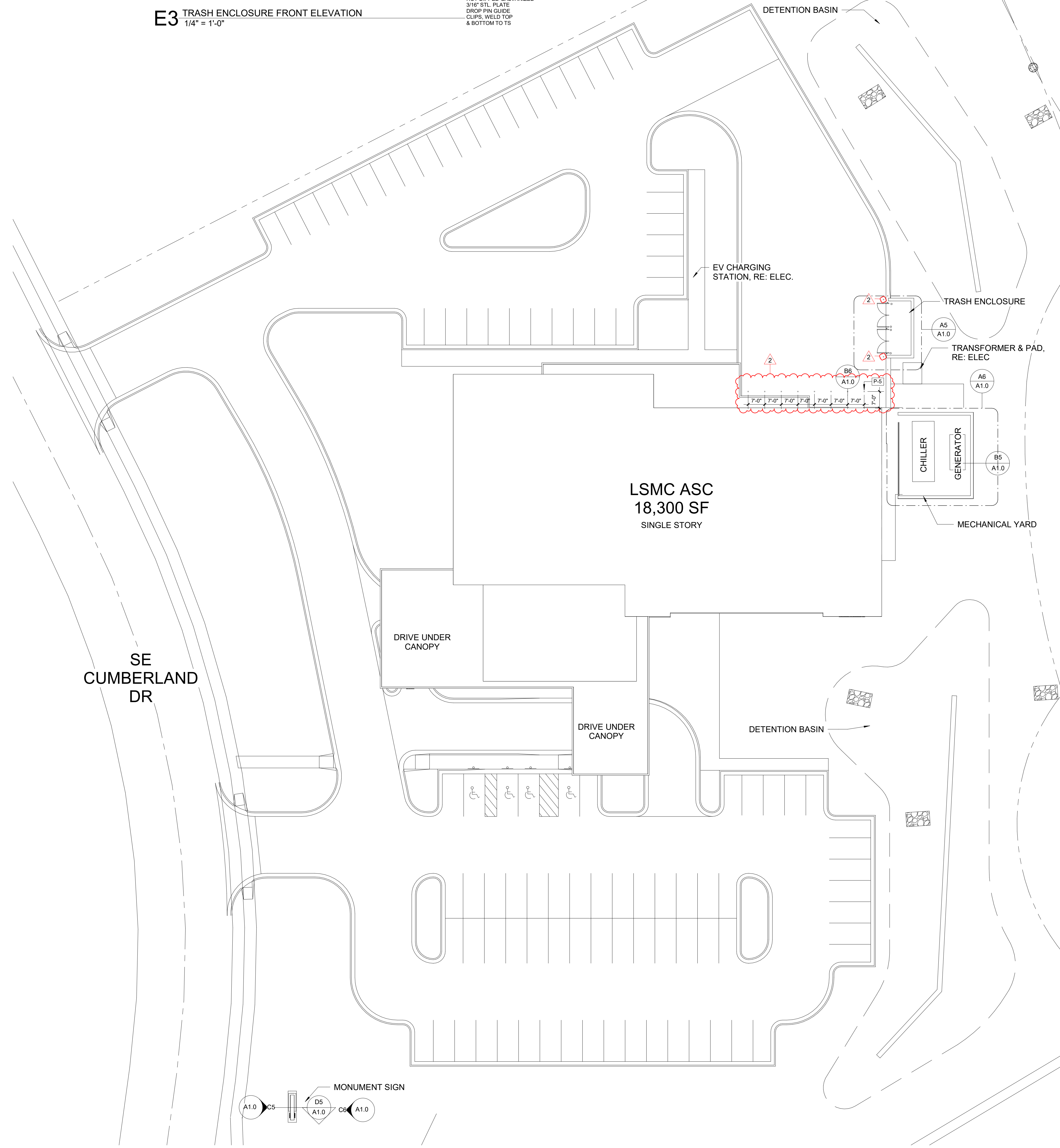
B5 MECHANICAL YARD WALL SECTION
1/2" = 1'-0"



A6 MECH YARD
1/8" = 1'-0"



A5 DUMPSTER ENCLOSURE
1/8" = 1'-0"



A1 ARCHITECTURAL SITE PLAN
1" = 20'-0"



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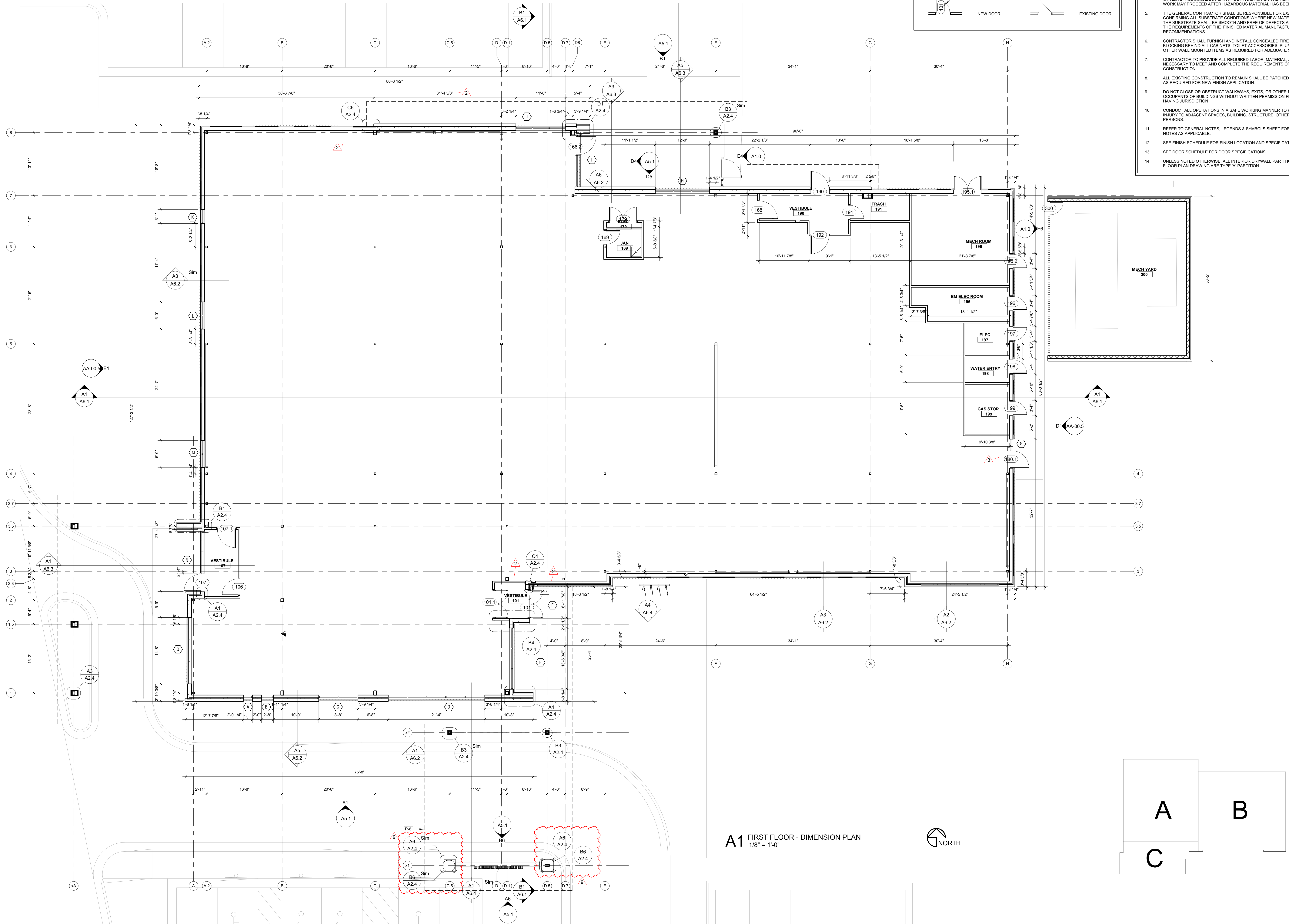
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Number	Date	Description
2	2/20/23	Addendum #2

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ARCHITECTURAL SITE PLAN & DETAILS

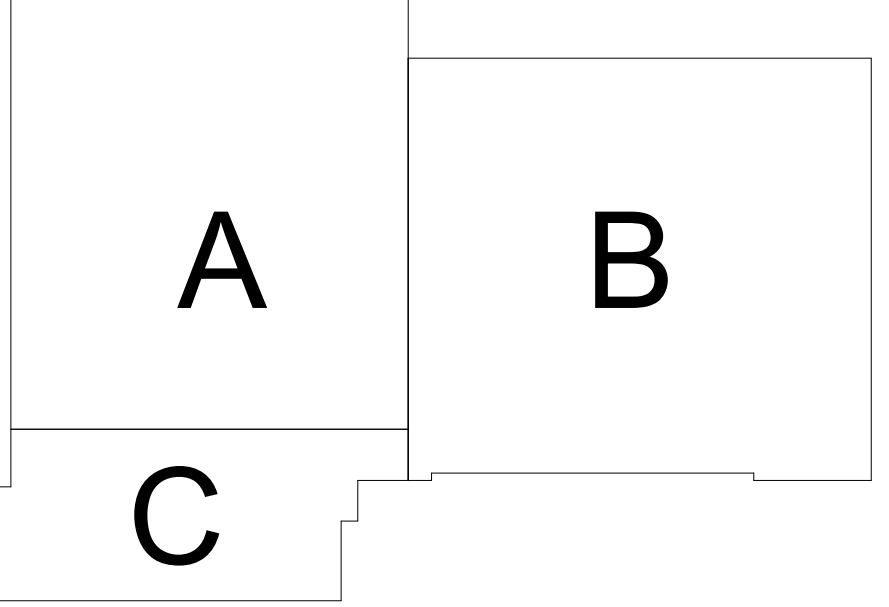


KEYNOTE LEGEND - C&S	
Key Value	Keynote Text
P-1	ROOF ACCESS HATCH AND LADDER
P-4	FLOOR MOUNTED MECHANICAL EQUIPMENT, RE: MEP
P-5	MANUFACTURED METAL BOLLARDS
P-6	EXTENTS OF CANOPY ABOVE
P-7	KNOX BOX

FLOOR PLAN LEGEND			
[Symbol]	NOT IN SCOPE	[Symbol]	NOT IN ARCHITECTURAL SCOPE
[Symbol]	CONCRETE SLAB INFILL	[Symbol]	EXISTING WALL
[Symbol]	NEW WALL	[Symbol]	EXISTING EXPANSION JOINT
[Symbol]	EXPANSION JOINT	[Symbol]	EXISTING EXPANSION JOINT
[Symbol]	DOOR No.	[Symbol]	EXISTING DOOR
[Symbol]	NEW DOOR	[Symbol]	EXISTING DOOR

- ### GENERAL PLAN NOTES
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
 - THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
 - IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
 - CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
 - CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
 - ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
 - DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
 - CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
 - REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
 - SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
 - SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.
 - UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITION.

A1 FIRST FLOOR - DIMENSION PLAN
1/8" = 1'-0"



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Architect's Seal: Samuel K. Beckman, Architect, License #A-2011012130
2/8/2023

Samuel K. Beckman - Architect
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Lee's Summit, MO 64063

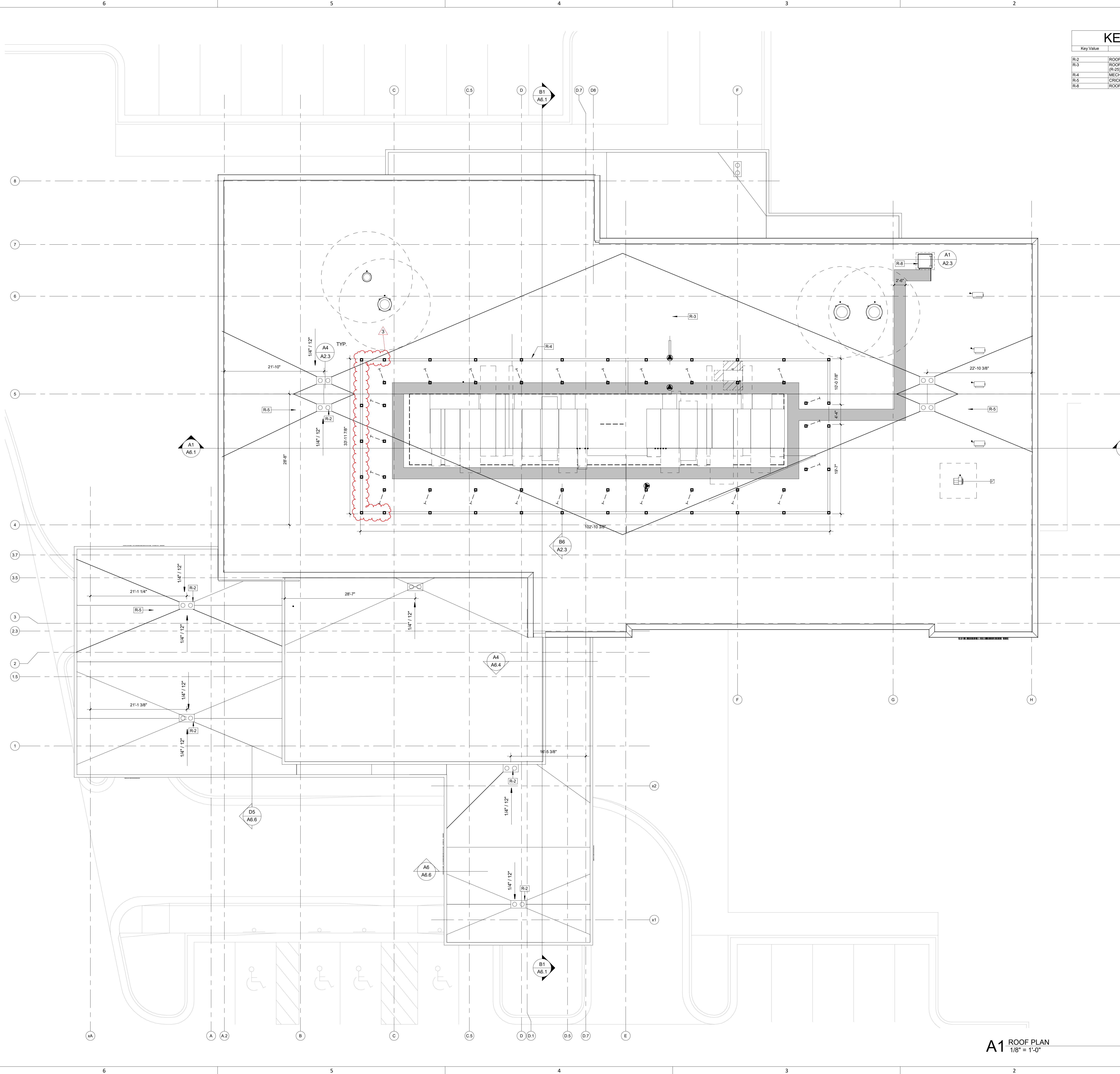
Date: 02/08/23
Job Number: 3-22030
Drawn By: Author
Checked By: Checker

Revision
Number Date Description
2 2/20/23 Addendum #2
3 3/9/23 Addendum #3
9 4/29/24 ASI 6

A2.1
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FIRST FLOOR DIMENSION PLAN

3/9/2023 9:06:25 AM

B:\M 360\J3-22030 HCA LSMC ASC\J3-22030 HCA LSMC_Arch_R21.rvt



KEYNOTE LEGEND - ROOF PLAN	
Key Value	Keynote Text
R-2	ROOF DRAIN AND OVERFLOW, TYP.
R-3	ROOF SYSTEM: SINGLE PLY TPO ROOFING MEMBRANE, 5/8" COVER BOARD, POLYSTYROFOLE ROOF DECK INSULATION (R-25), AND AIR/VAPOR BARRIER ON METAL DECK. PROVIDE TAPERED INSULATION AT CRICKETS, TYP.
R-4	MECHANICAL ROOF SCREEN.
R-5	CRICKET TO SLOPE 1/4" PER FOOT TO ROOF DRAIN, TYP.
R-6	ROOF HATCH AND LADDER, RE SPEC.

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Date02/08/23
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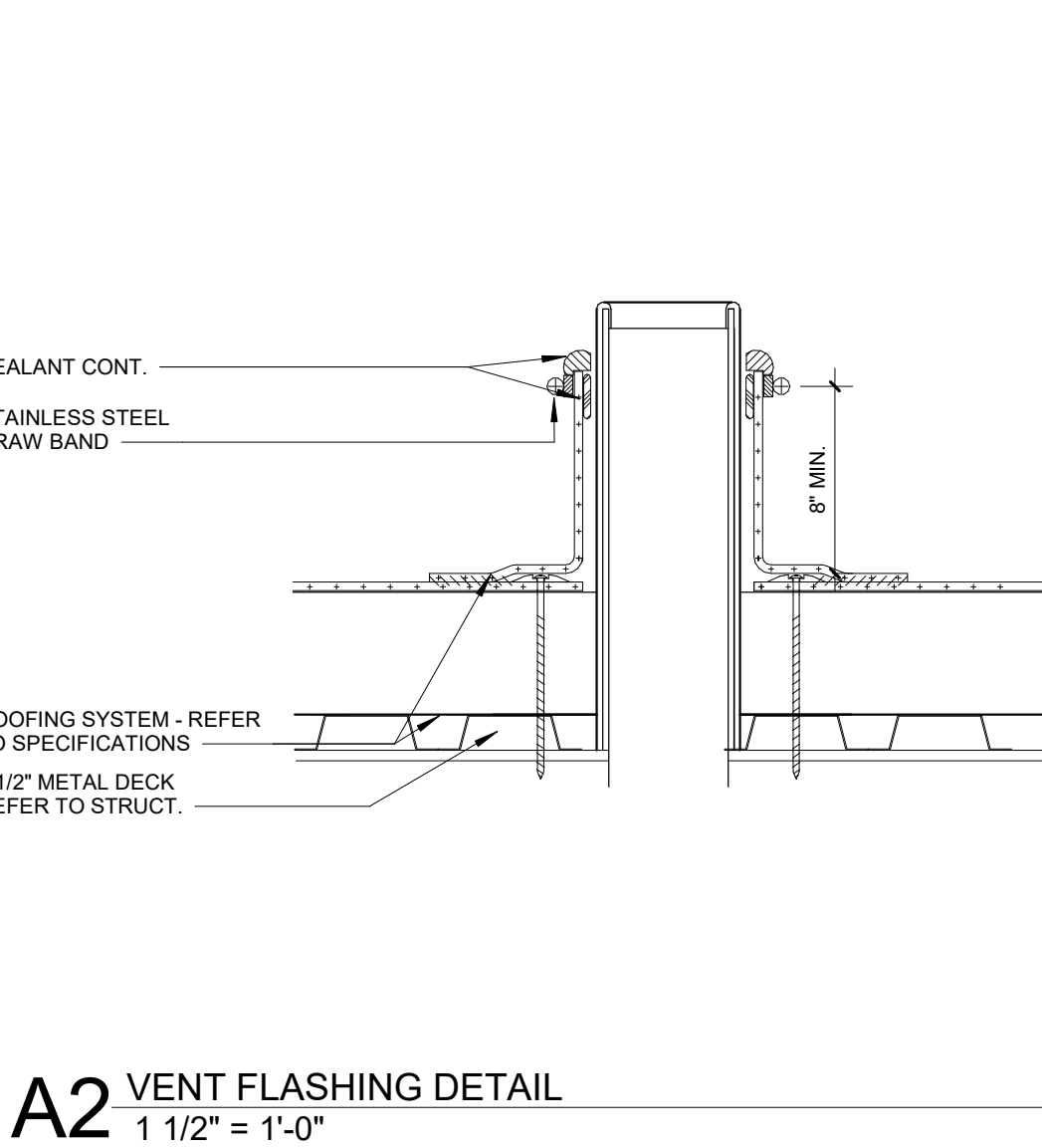
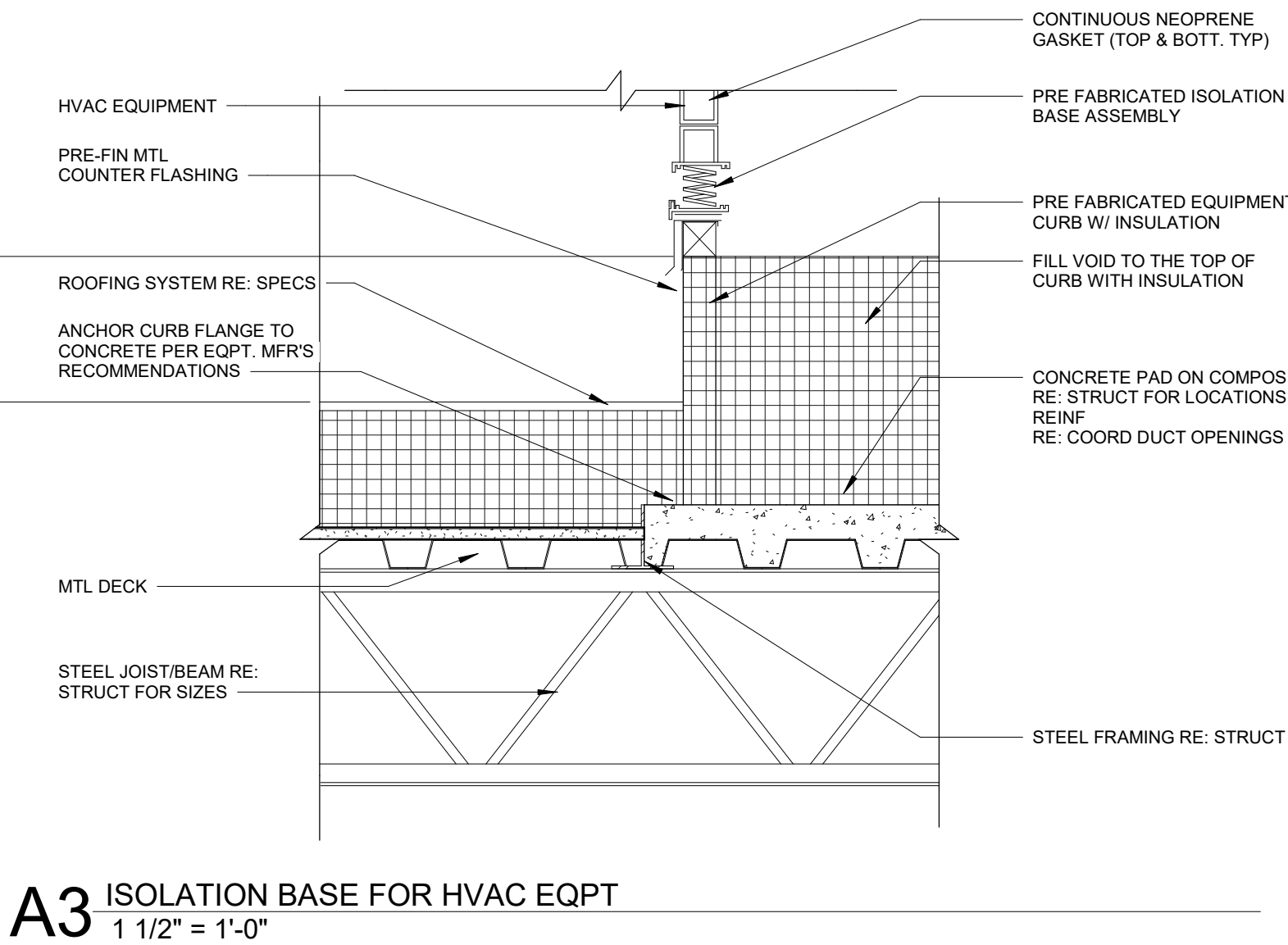
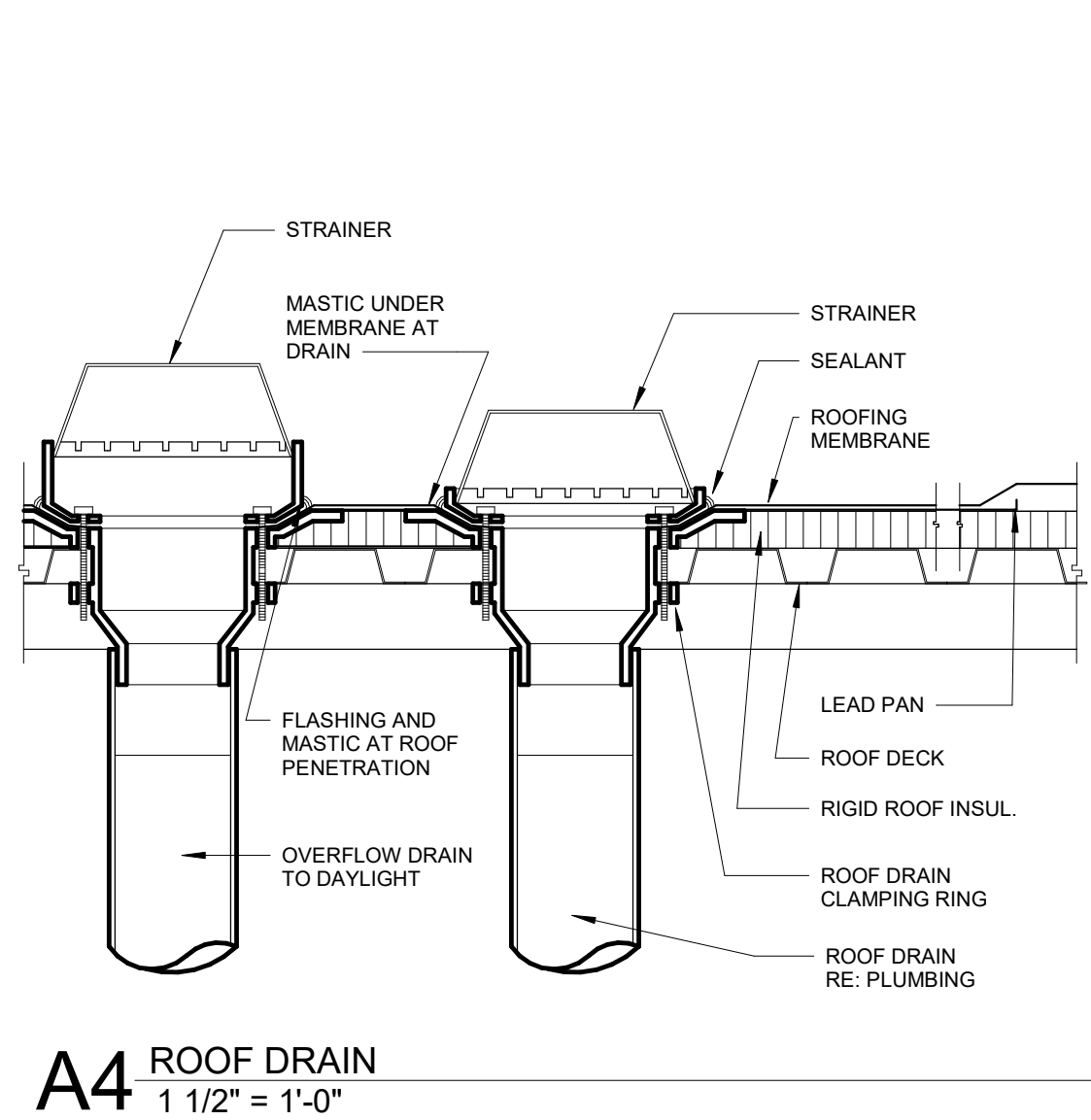
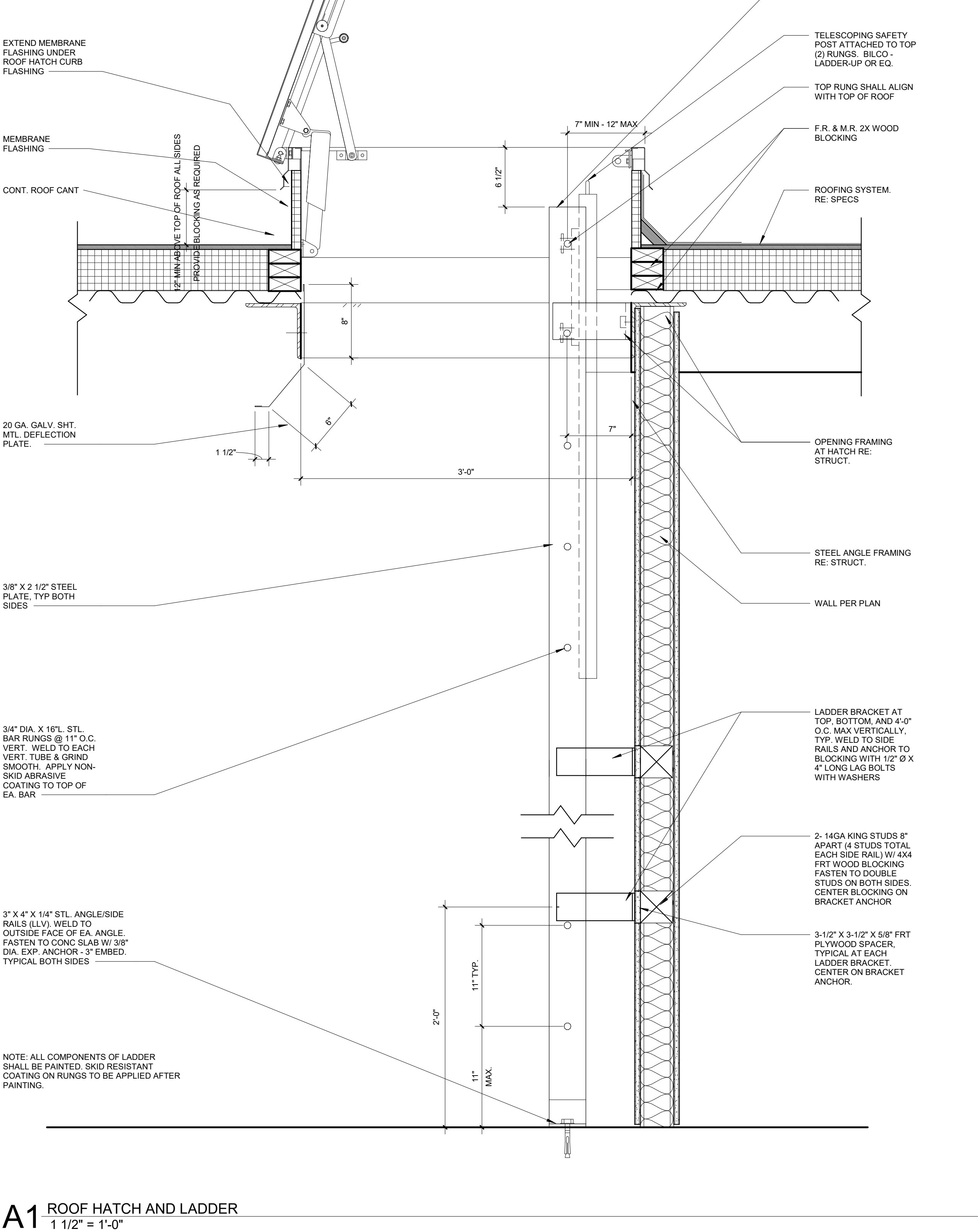
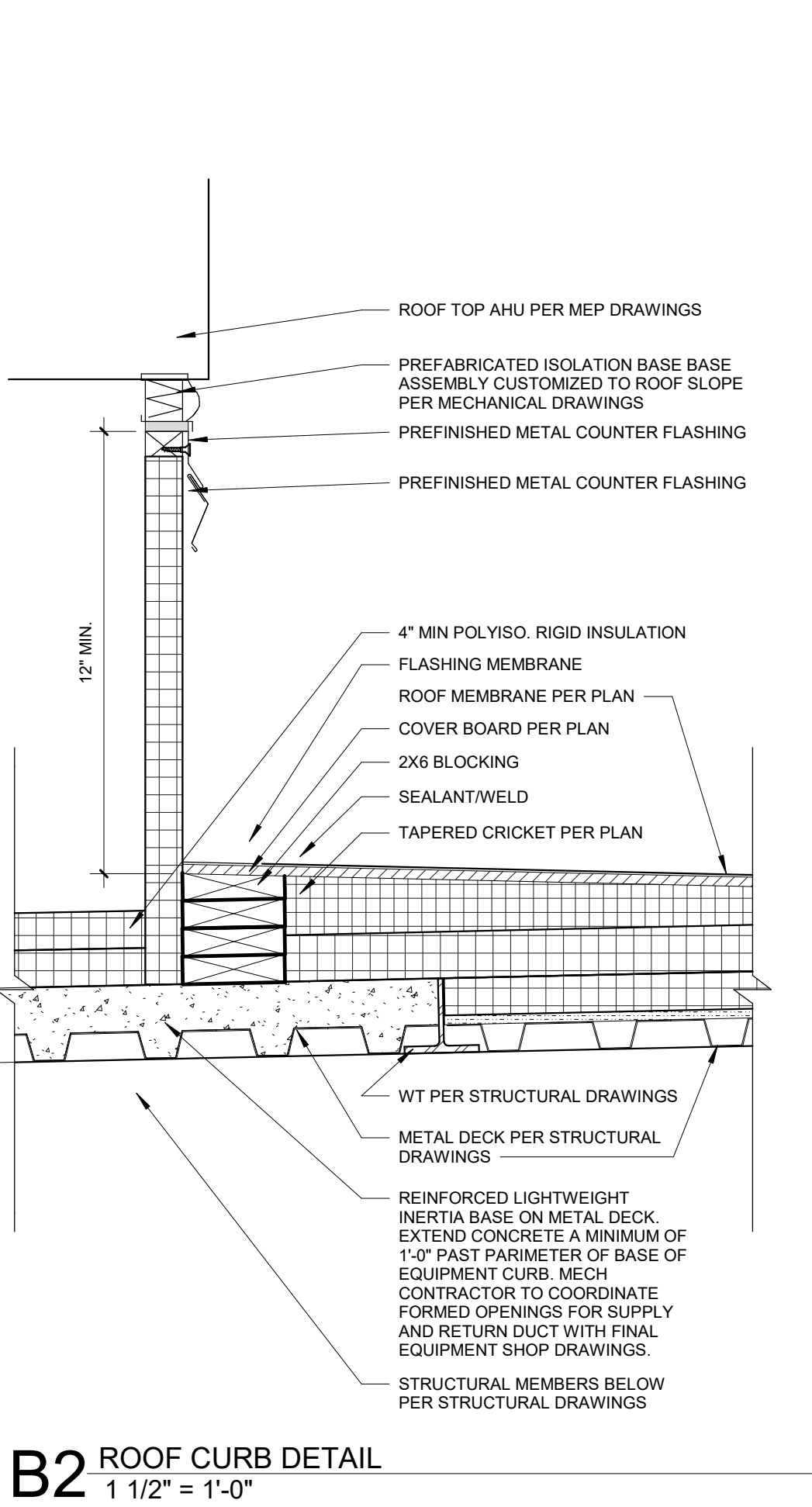
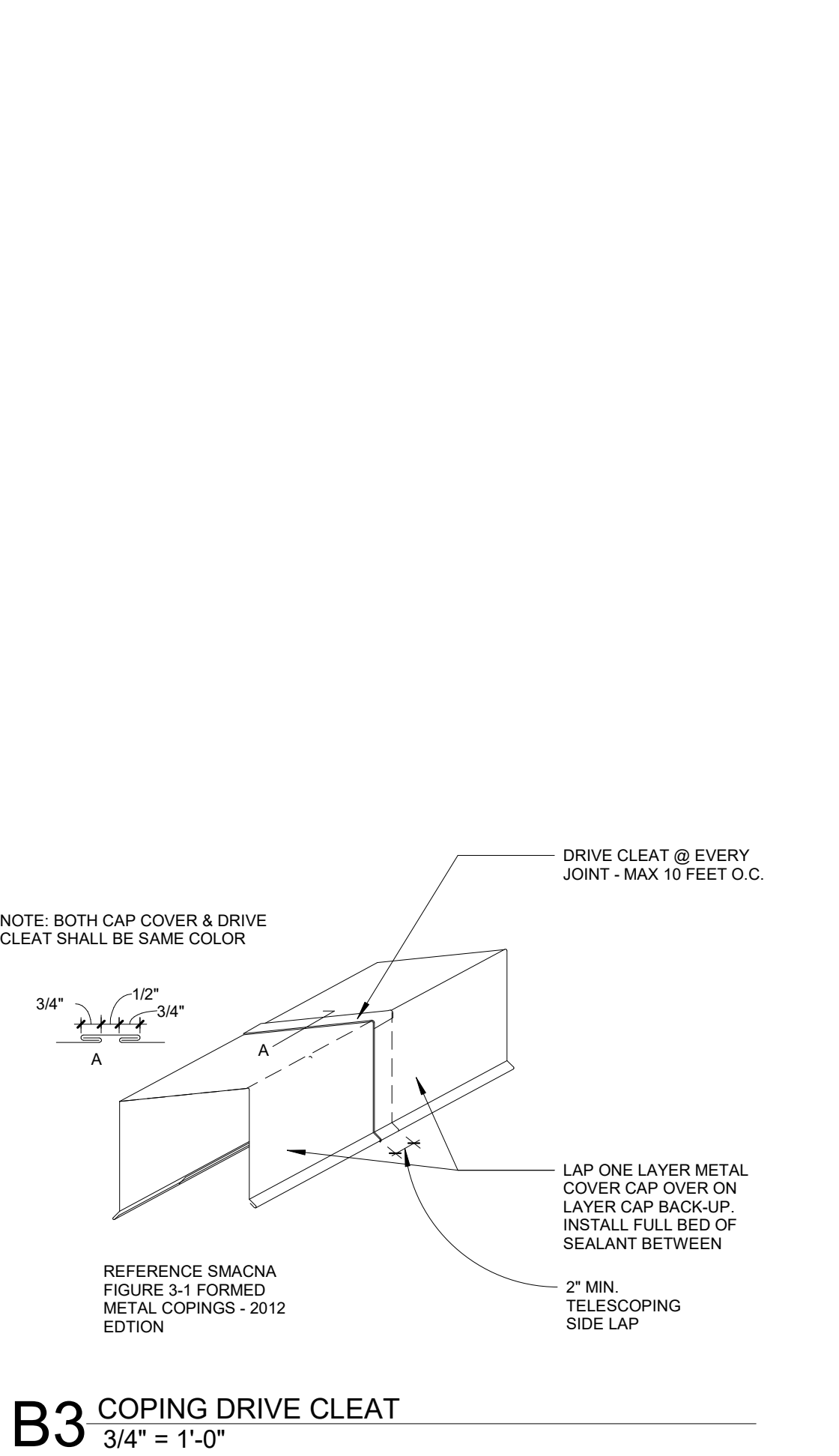
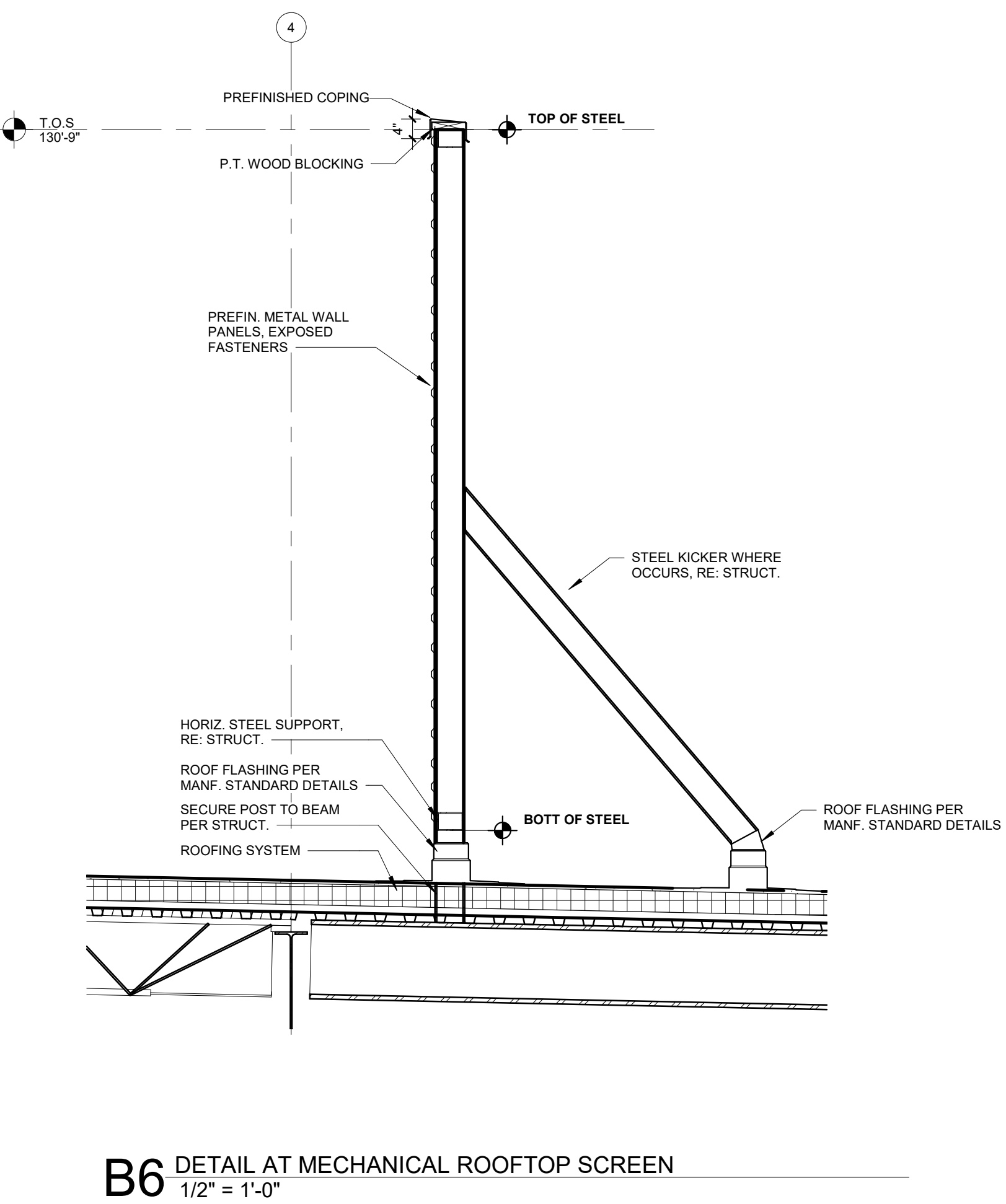
Revision

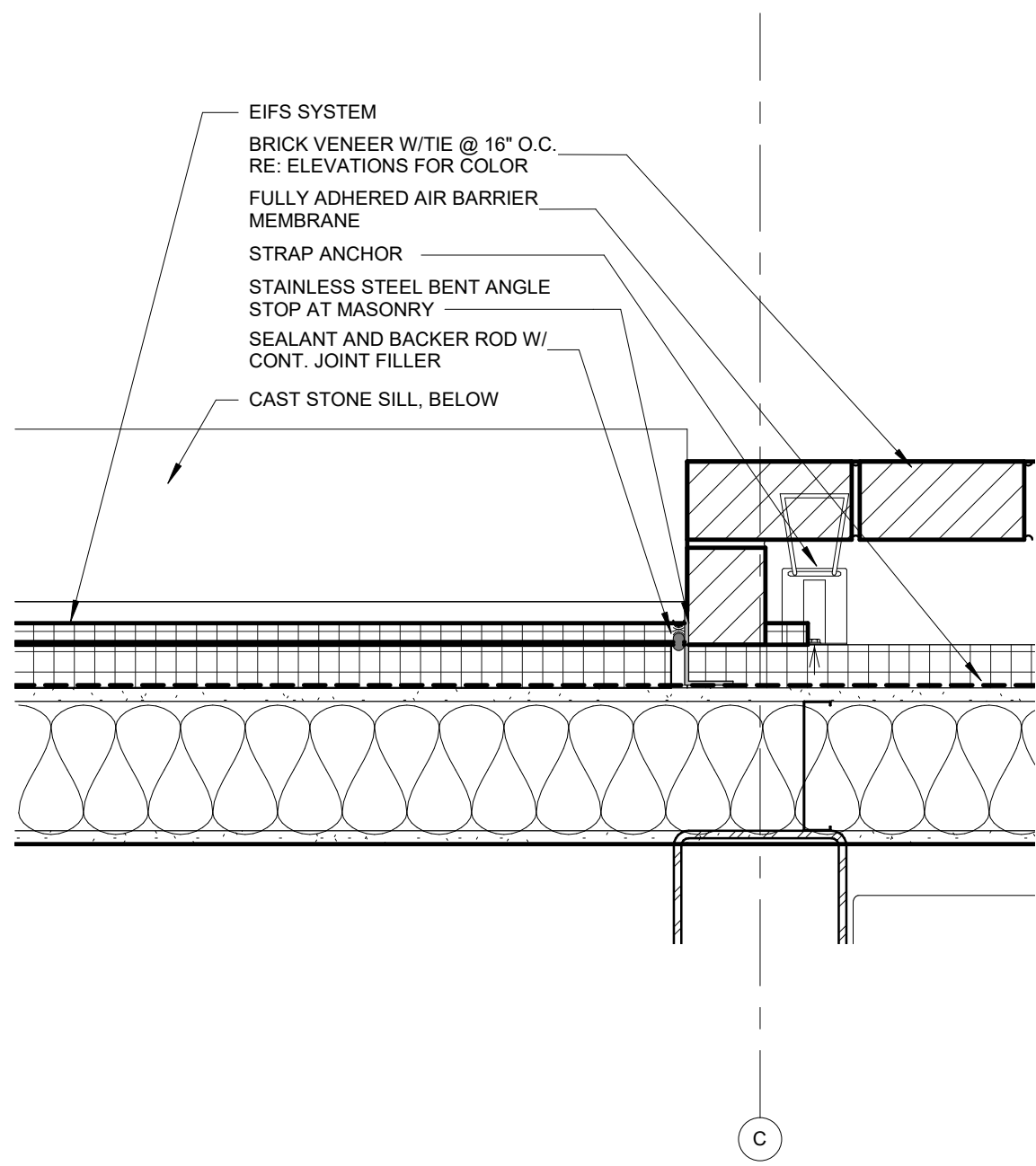
Number	Date	Description
3	3/9/23	Addendum #3

A2.2

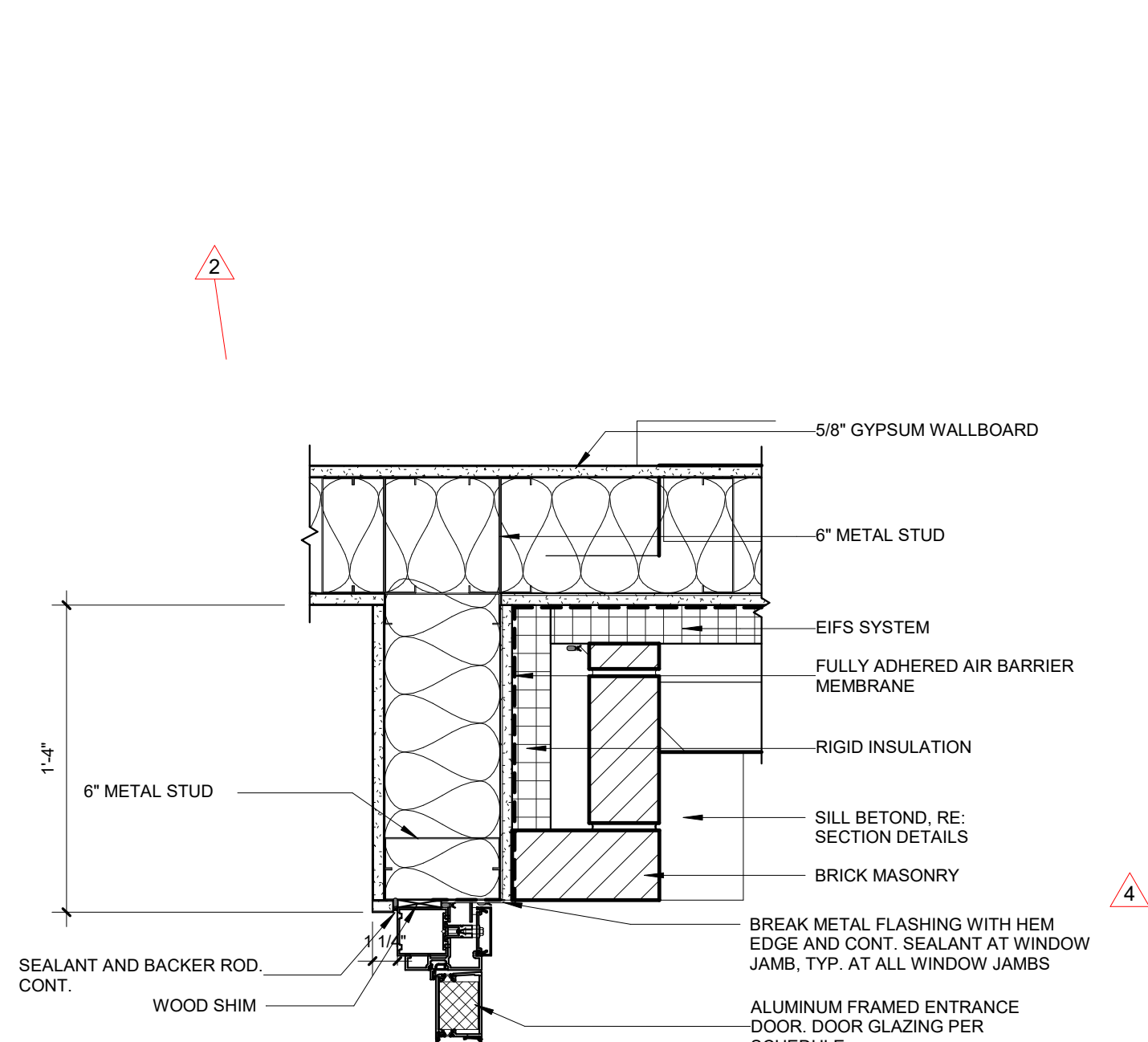
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ROOF PLAN

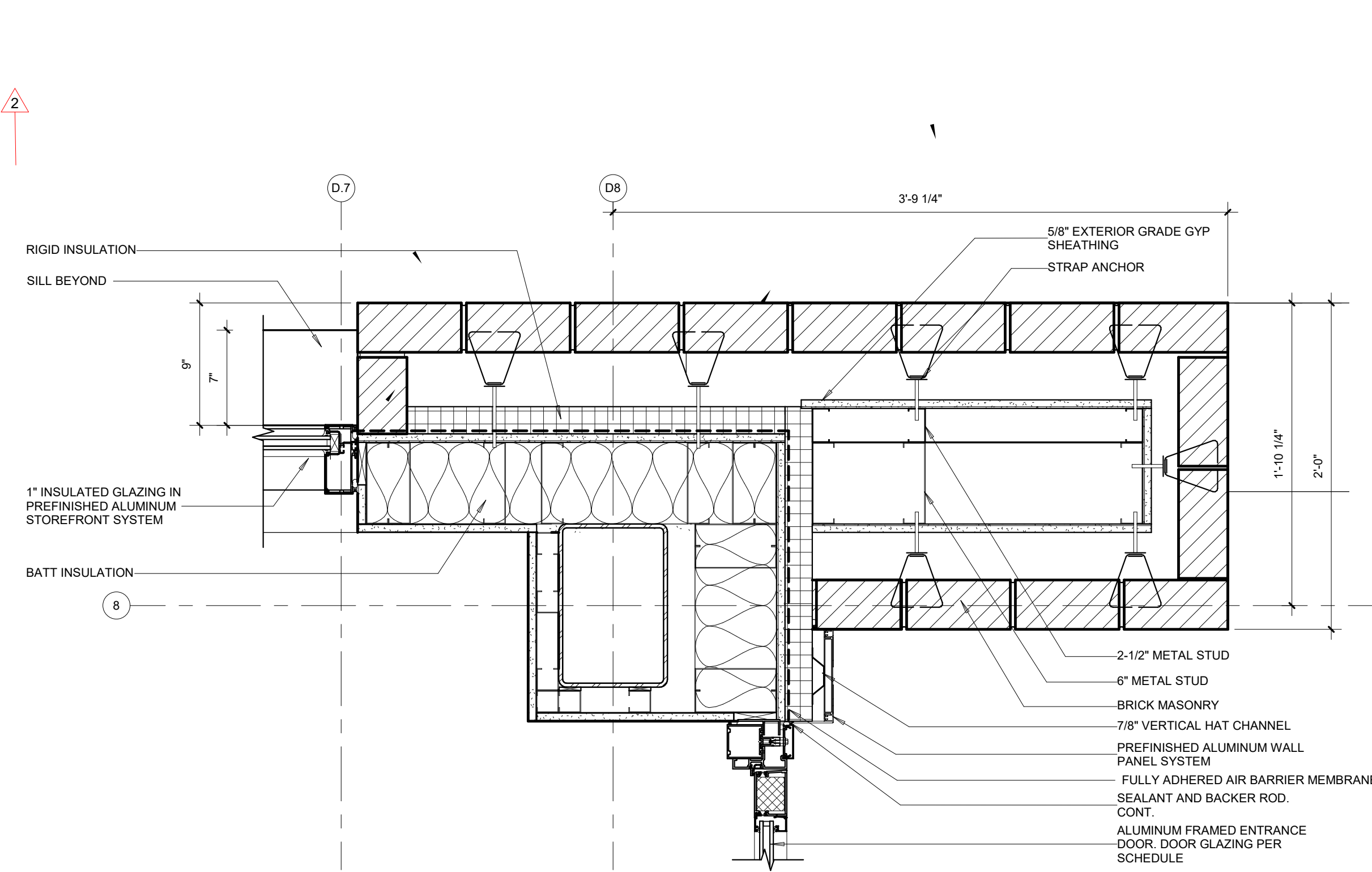




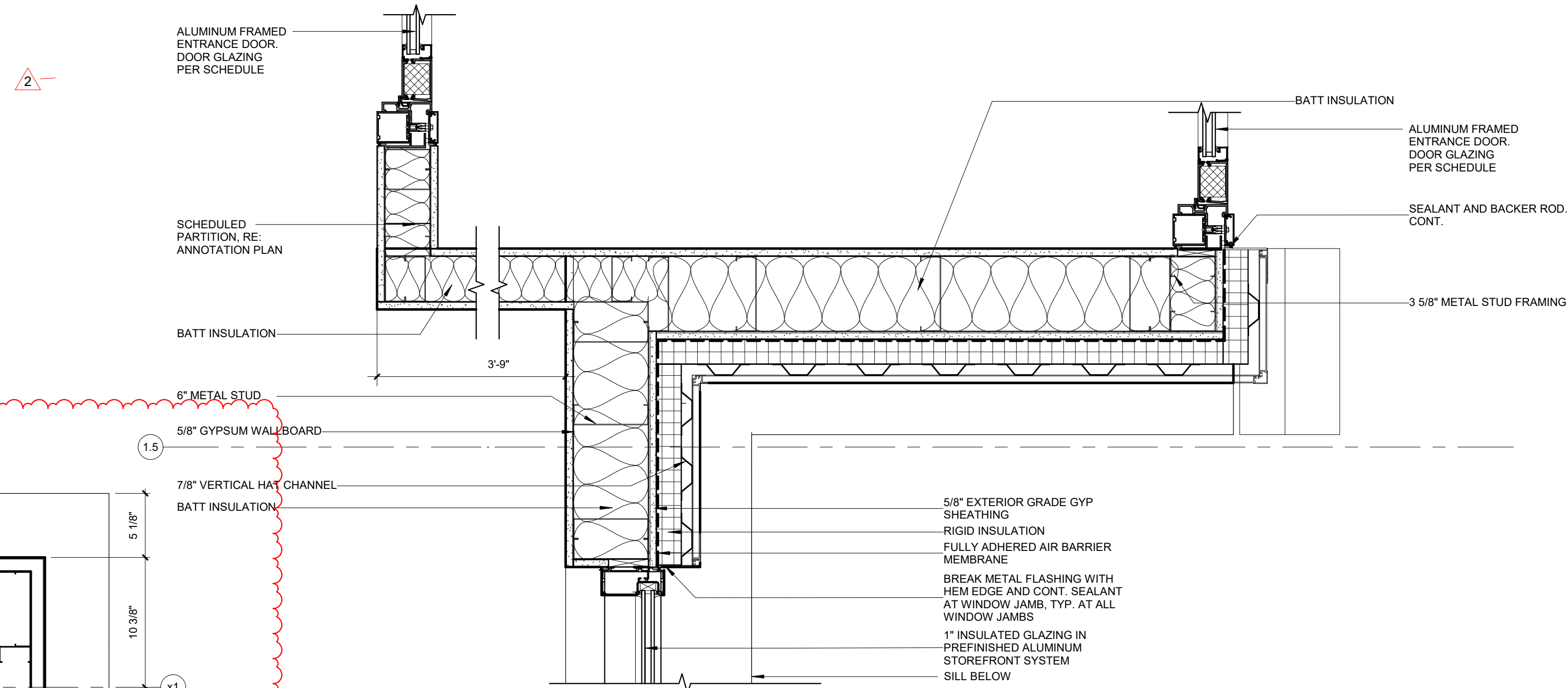
C6 DETAIL AT MASONRY BUMP OUT
1 1/2" = 1'-0"



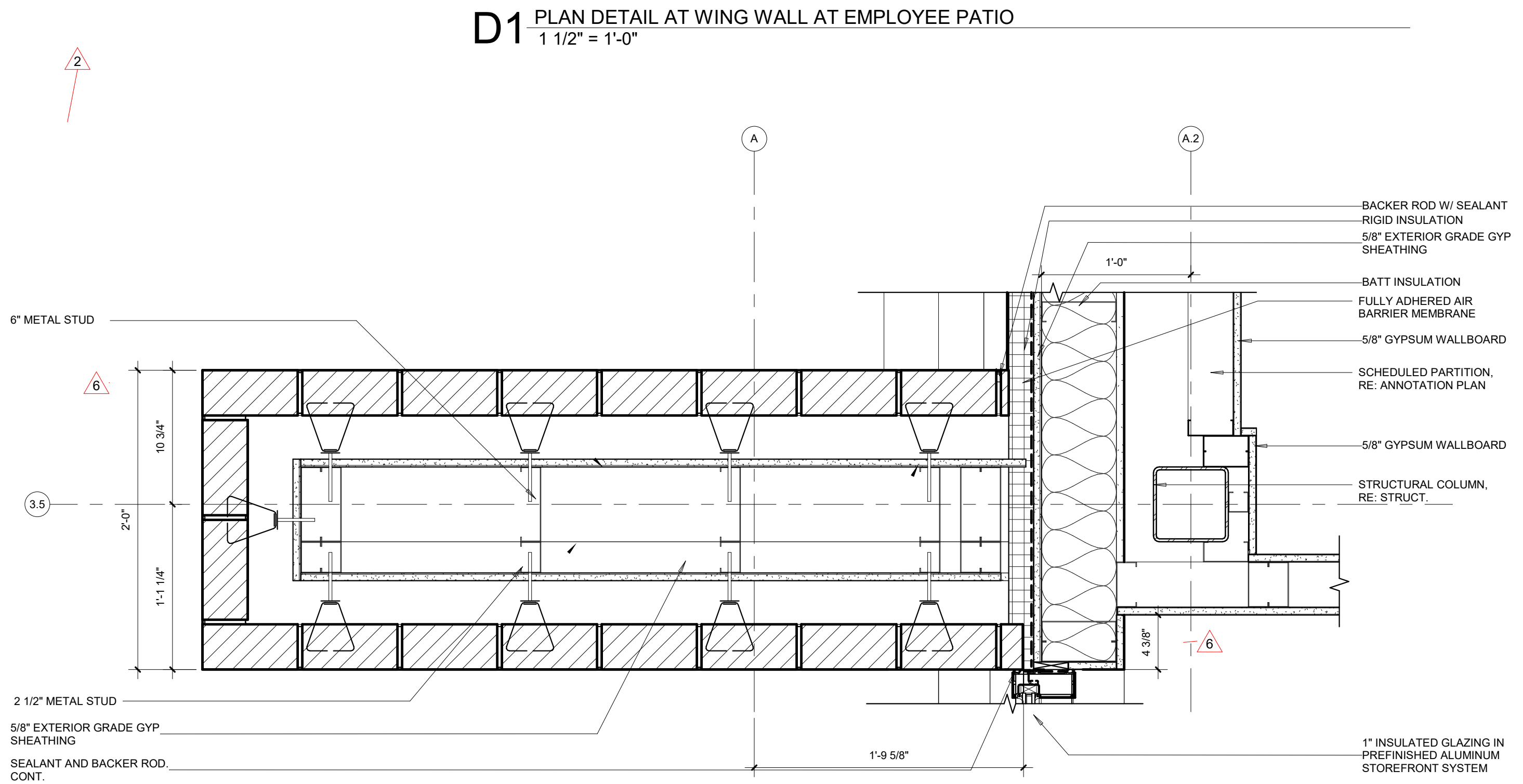
C4 PLAN DETAIL AT SOUTH ENTRANCE
1 1/2" = 1'-0"



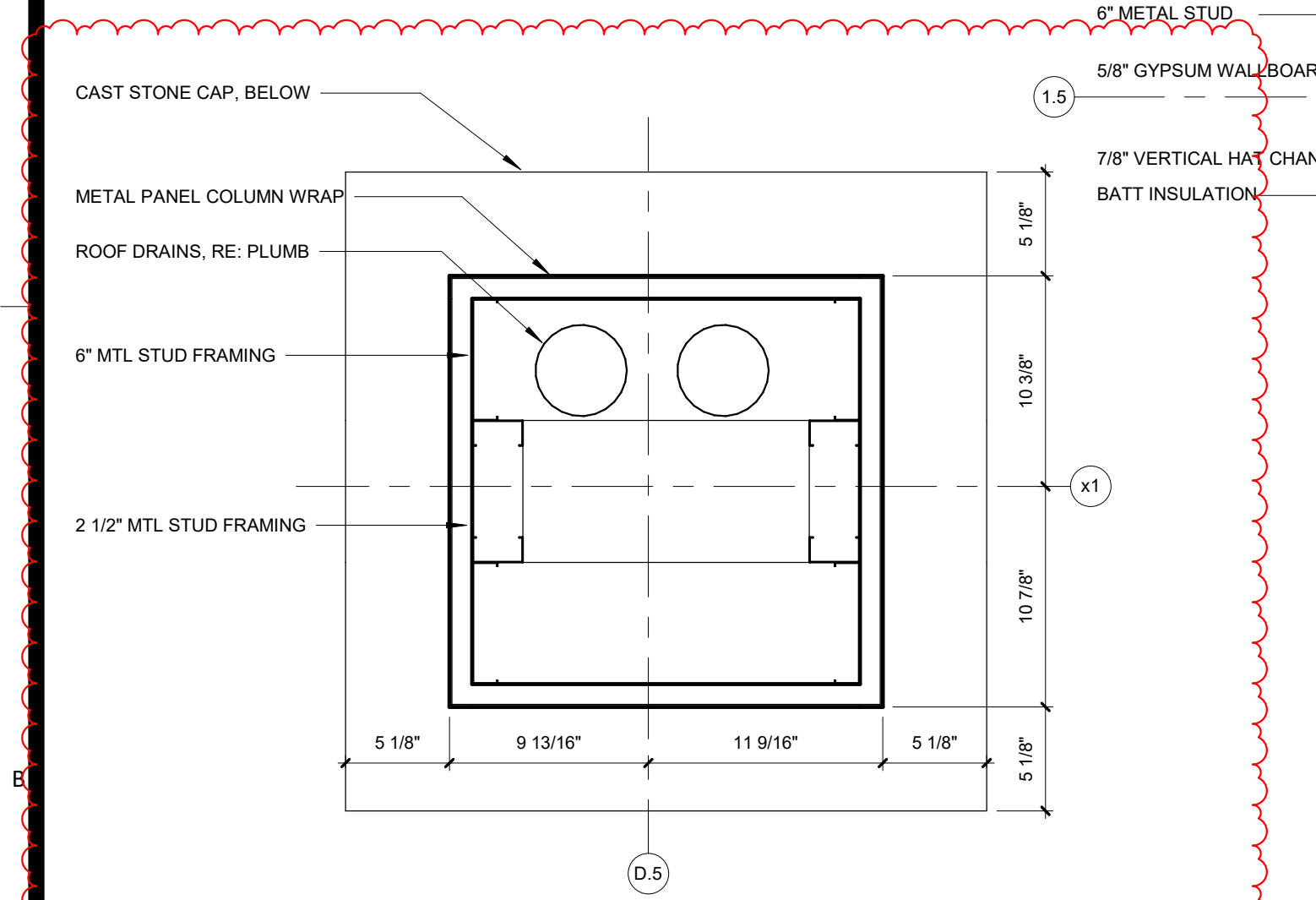
D1 PLAN DETAIL AT WING WALL AT EMPLOYEE PATIO
1 1/2" = 1'-0"



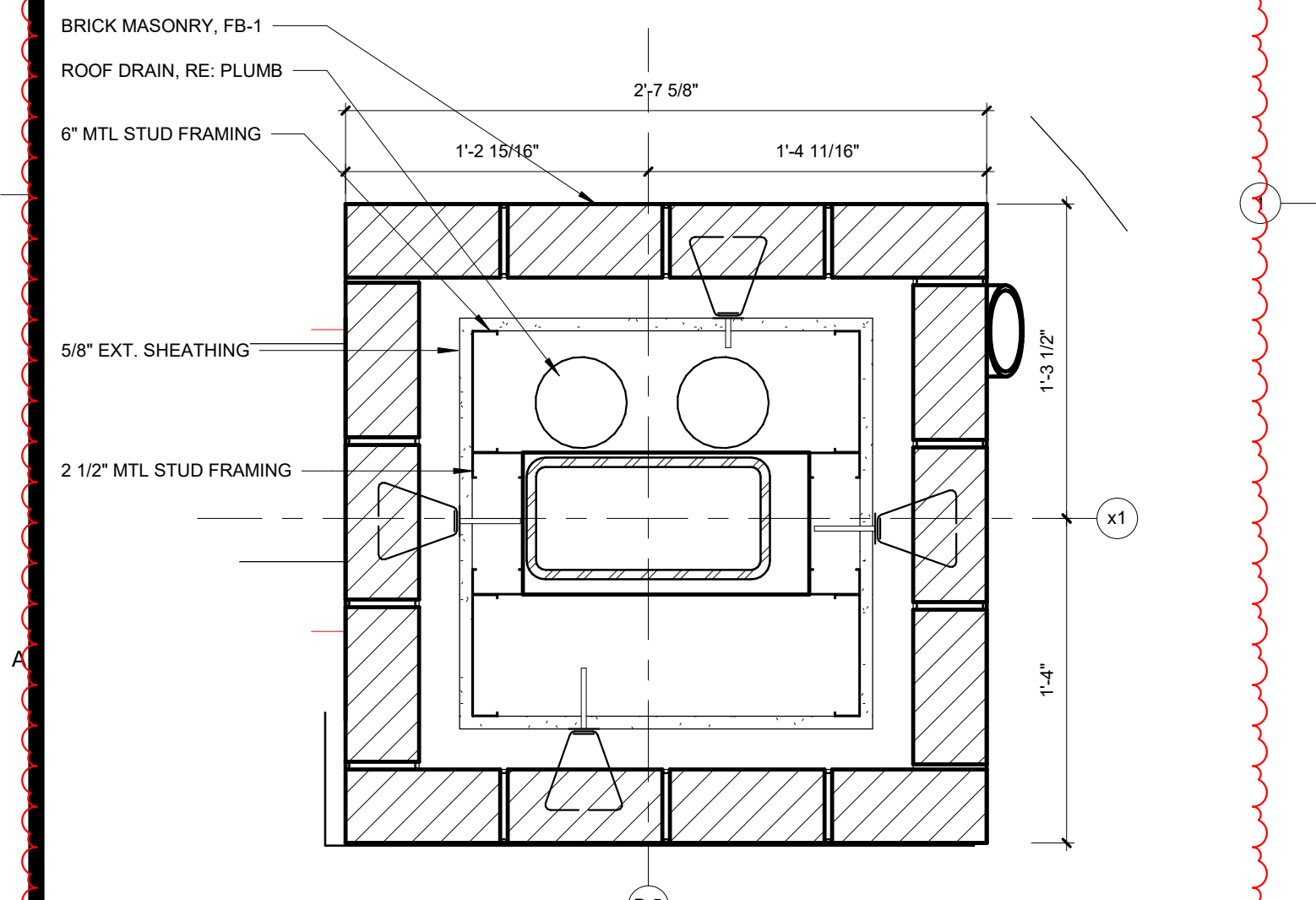
B4 PLAN DETAIL AT SOUTH ENTRANCE
1 1/2" = 1'-0"



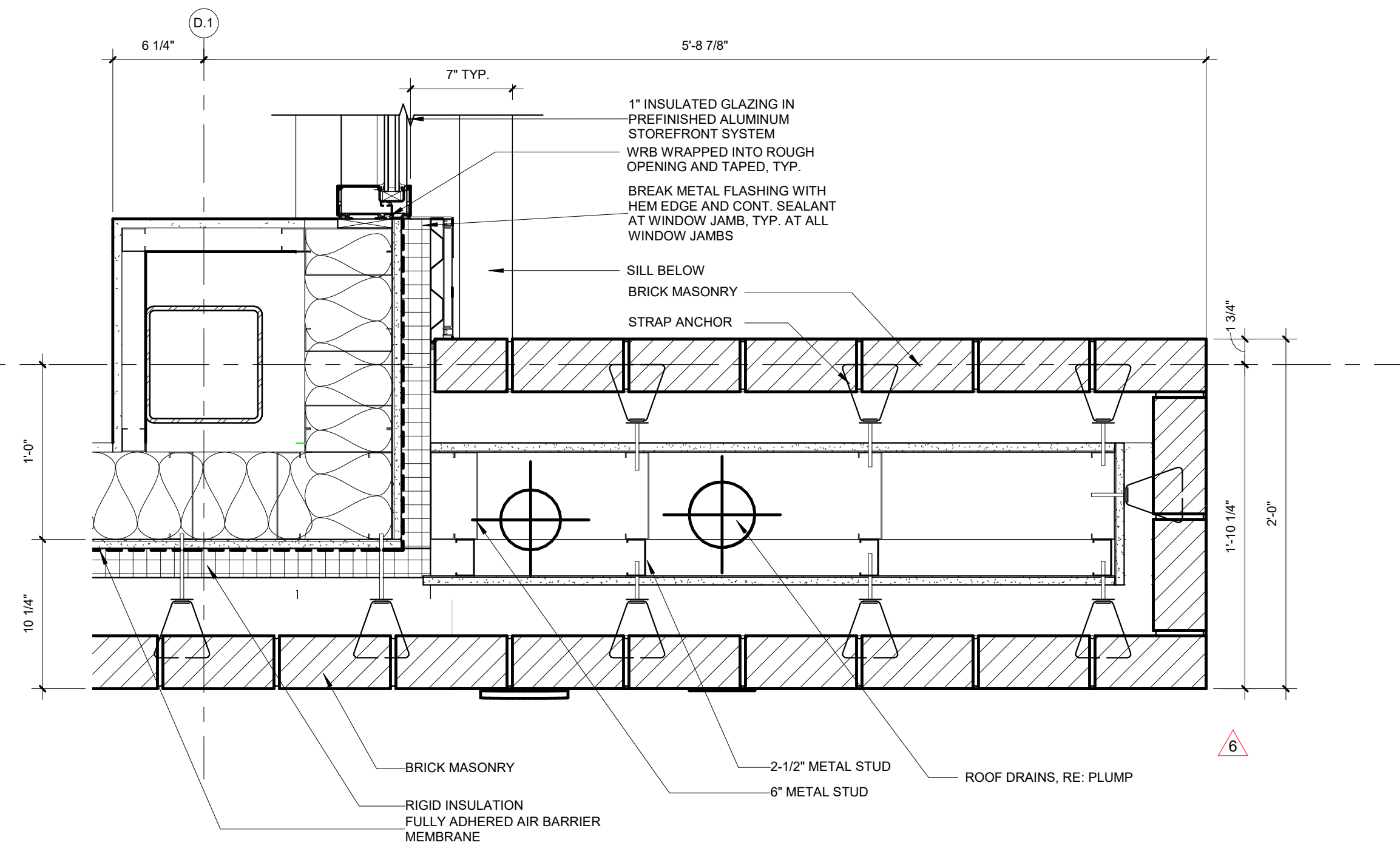
B1 PLAN DETAIL AT WEST WING WALL
1 1/2" = 1'-0"



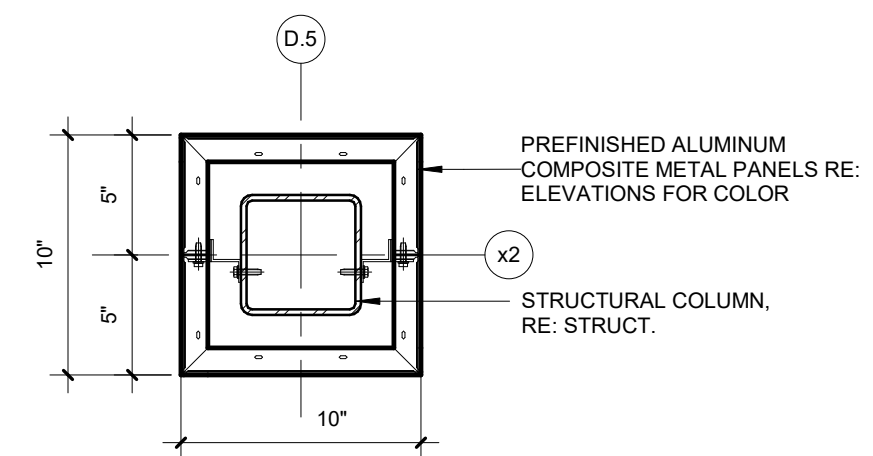
B6 DETAIL AT METAL WRAPPED COLUMN
1 1/2" = 1'-0"



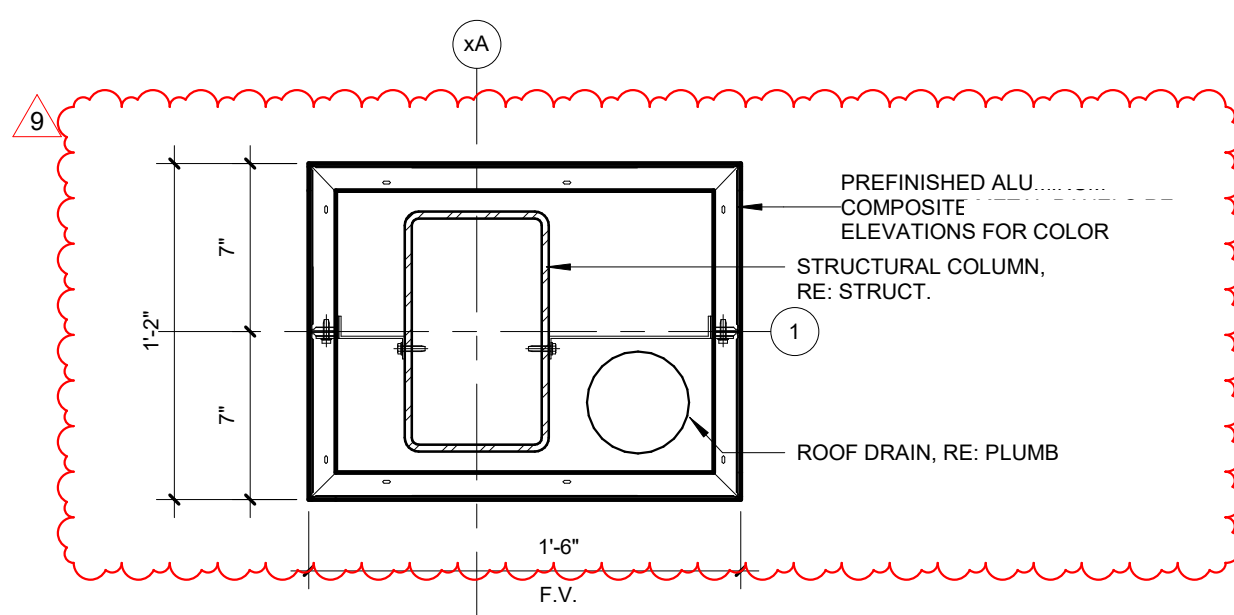
A6 DETAIL AT MASONRY WRAPPED COLUMN
1 1/2" = 1'-0"



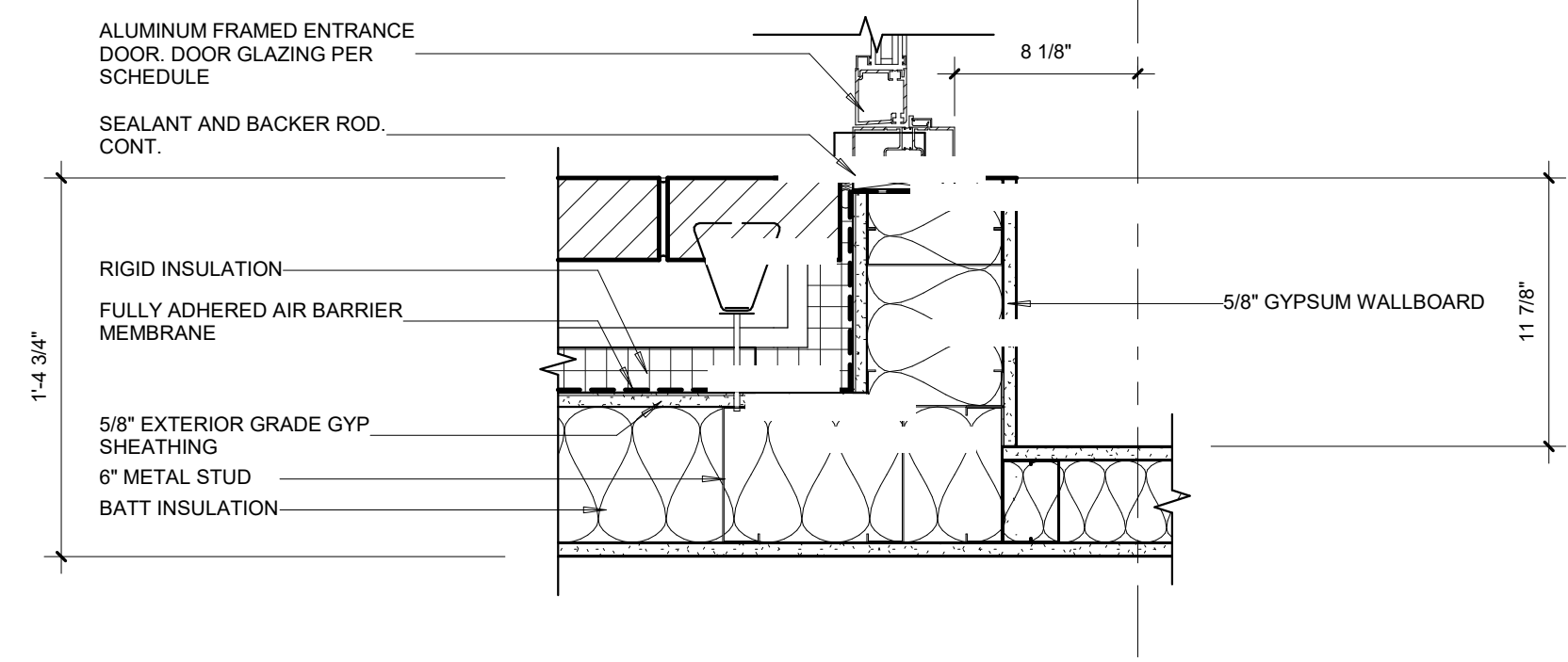
A4 DETAIL AT SOUTH WING WALL
1 1/2" = 1'-0"



B3 TYP. METAL WRAP COLUMN
1 1/2" = 1'-0"



A3 TYP. METAL WRAP COLUMN
1 1/2" = 1'-0"



A1 PLAN DETAIL AT WEST ENTRANCE
1 1/2" = 1'-0"

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Development Services Department
Lee's Summit, Missouri
04/13/2024

SAMUEL K. BECKMAN
ARCHITECT

2/8/2023

Samuel K. Beckman - Architect
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Job Number3-22030
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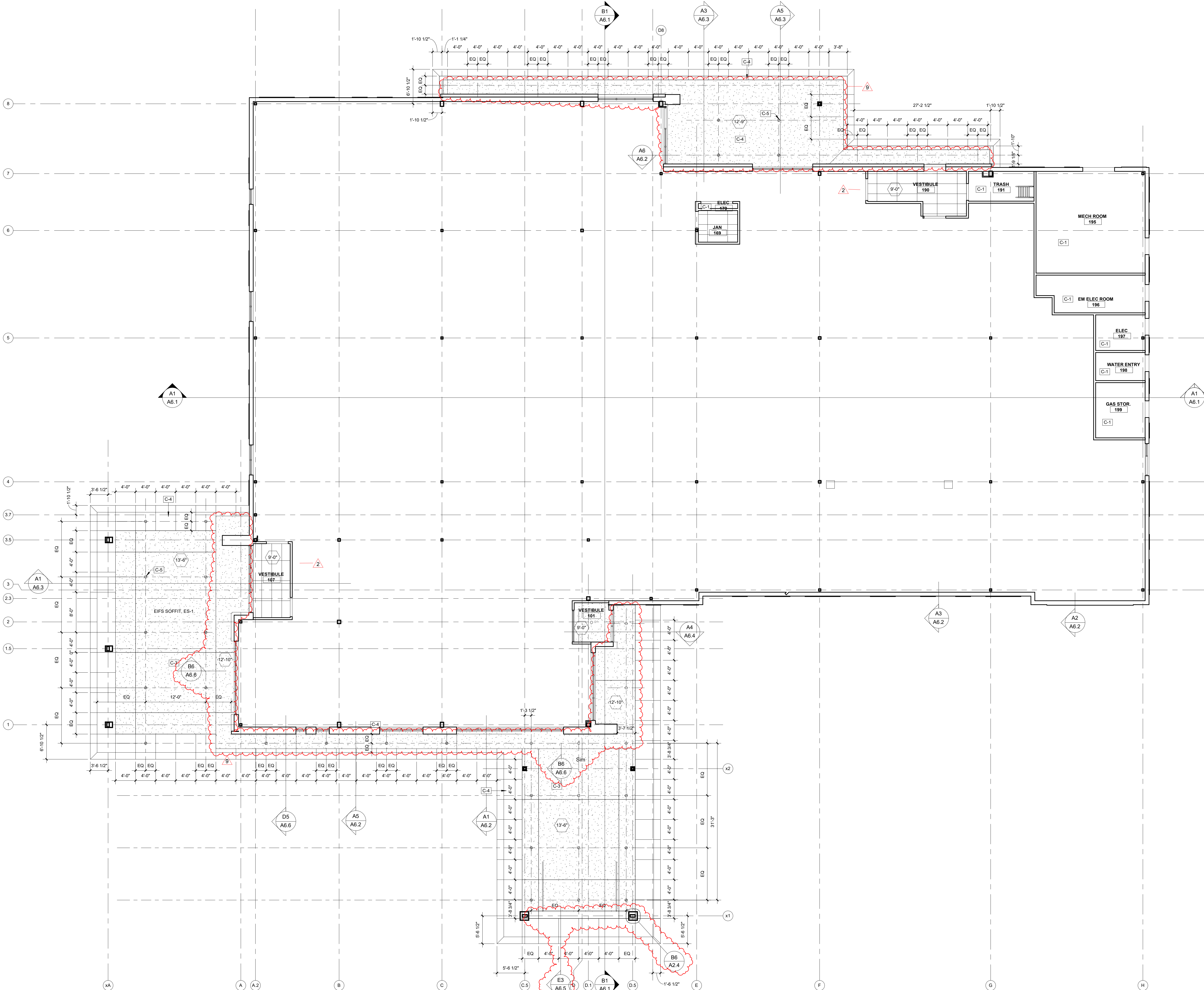
Revision

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
6	12/7/23	ASI 3
9	4/29/24	ASI 6

A2.4

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PLAN DETAILS



A1 OVERALL RCP
1/8" = 1'-0"



CEILING LEGEND

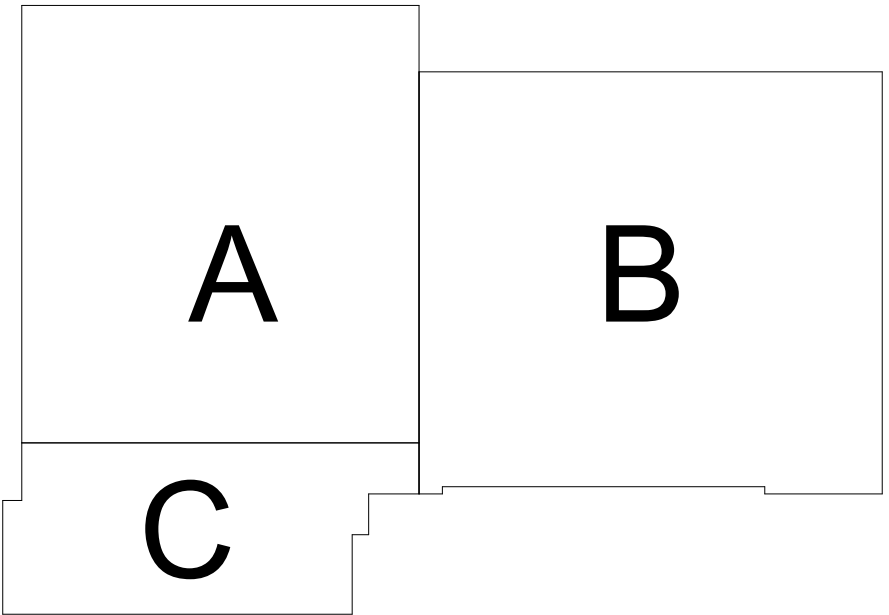
- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- ◇ PENDANT LIGHT FIXTURE RE: ELECT
- ◇ WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 2X2/2x4 LAY-IN ACOUSTICAL CEILING
- ⊗ EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
- ⊗ EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- ⊗ SUPPLY AIR GRILLE RE: MECH
- ⊗ RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0" SOFFIT HEIGHT
- 9'-0" CEILING HEIGHT

REFLECTED CEILING NOTES

- EXISTING MEFPF DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES.
- CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
- PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-4) UNLESS NOTED OTHERWISE.
- THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
- CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
- SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.
- REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
- ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGN/FLEX PATTERN, ACT-3 CEILING, RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE, RE: ELECTRICAL.



Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 02/08/23
Job Number 3-22030
Drawn By Author
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Revision
Number Date Description
2 2/20/23 Addendum #2
9 4/29/24 ASI 6

A3.1
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REFLECTED CEILING PLAN

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2/8/2023

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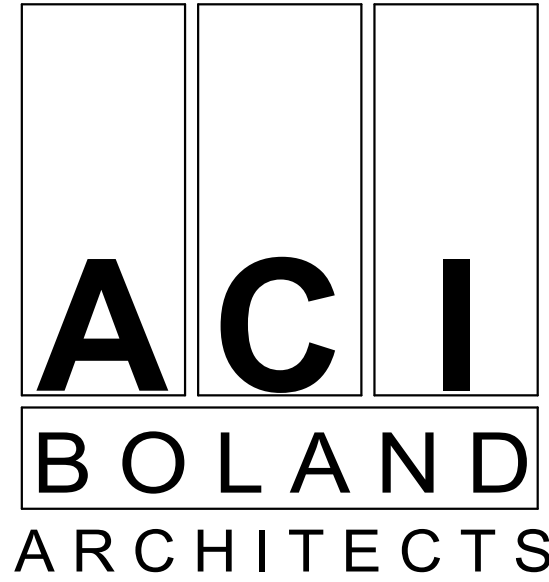
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Revision		
Number	Date	Description
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A4.1

DOOR AND FRAME SCHEDULE AND DETAILS

DOOR SCHEDULE - CS

DOOR #	ROOM NAME	DOOR INFORMATION				FRAME INFORMATION		GLAZING	LABEL (FIN)	HARDWARE SET	OPENING DETAIL		REMARKS	REV #
		WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.				HEAD	JAMB		
101	VESTIBULE	3'-0"	8'-6"	2			FSS	ALUM	--	ALUM	--	--	CS; AUTO OPERATOR	
101.1	WAITING	3'-0"	8'-6"	2			FSS	ALUM	--	ALUM	--	--	CS; AUTO OPERATOR	
106	VESTIBULE	3'-6"	7'-0"	1			F	WD	1	HM	--	--	A5/T1/A4.1	
107	VESTIBULE	4'-0"	8'-0"	1			FGN	ALUM	--	ALUM	GL-1	--	A5/T1/A4.1	
107.1	VESTIBULE	4'-0"	7'-0"	1			F	WD	1	HM	--	--	A5/T1/A4.1	
166.2	STAFF LOUNGE	4'-0"	8'-0"	1			FGN	ALUM	--	ALUM	IGU	--	CS; CARD READER	3
166	VESTIBULE	4'-0"	7'-0"	1			N	WD	1	HM	--	--	CS; CARD READER	4
169	JAN.	3'-0"	7'-0"	1			WD	1	HM	--	--	--	A5/T1/A4.1	
173	SOILED HOLD	3'-0"	7'-0"	1			F	WD	1	HM	--	--	A5/T1/A4.1	9
179	HALL	3'-0"	7'-0"	2			WD	2	HM	--	--	--	CS	
180.1	HALL	4'-0"	8'-6"	1			FGN	ALUM	--	ALUM	--	--	CS	
180	VESTIBULE	4'-0"	7'-0"	1			N	HM	1	HM	IGU	--	CS; CARD READER	3, 4
191	TRASH	3'-0"	7'-0"	1			F	WD	1	HM	--	--	CS	
192	VESTIBULE	4'-0"	7'-0"	1			V	WD	1	HM	--	--	CS-4x4 Plate, SST Edge Protection	
195.1	MECH ROOM	3'-0"	7'-0"	2			F	HM	2	HM	--	--	CS	
195.2	MECH ROOM	3'-0"	7'-0"	1			F	HM	1	HM	--	--	CS	
196	EM ELEC ROOM	3'-0"	7'-0"	1			F	HM	1	HM	--	--	CS	
197	ELEC	3'-0"	7'-0"	1			F	HM	1	HM	--	--	CS	
198	WATER ENTRY	3'-0"	7'-0"	1			F	HM	1	HM	--	--	CS	
199	GAS STOR.	3'-0"	7'-0"	1			F	HM	1	HM	--	--	CS	
300	MECH YARD	3'-0"	7'-0"	1			--	STEEL	--	STEEL	--	--	CS; GATE TO MECH YARD; CARD READER	

DOOR AND HARDWARE NOTES

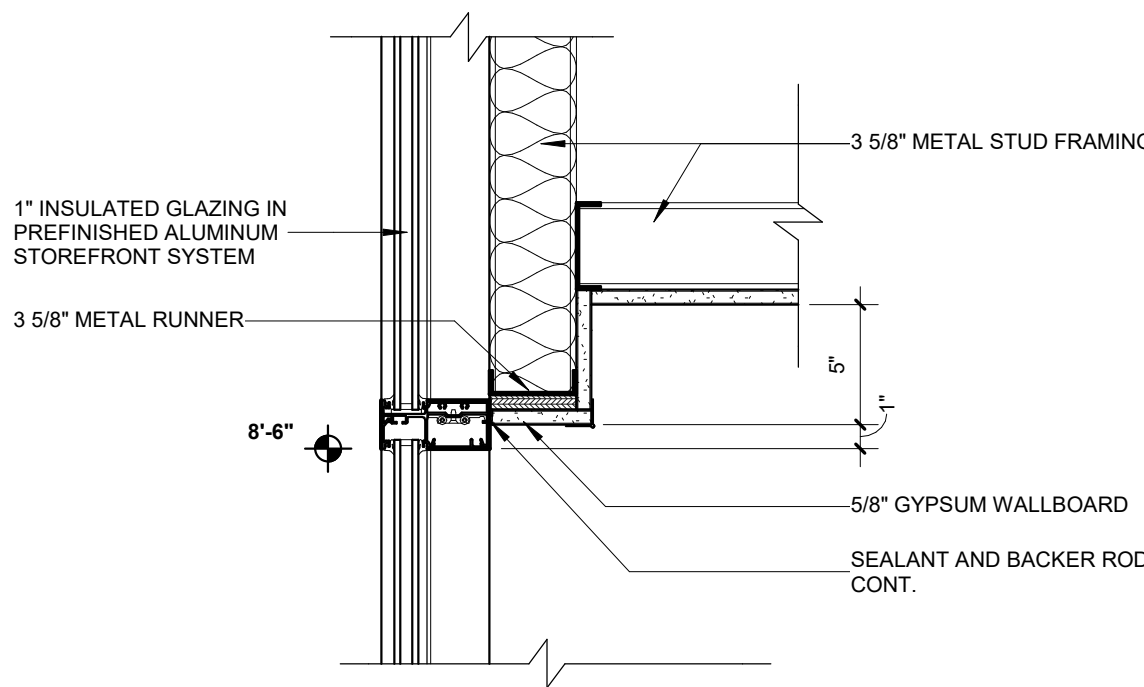
- ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS, A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
- ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
- HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

DOOR & FRAME MAT'L LEGEND

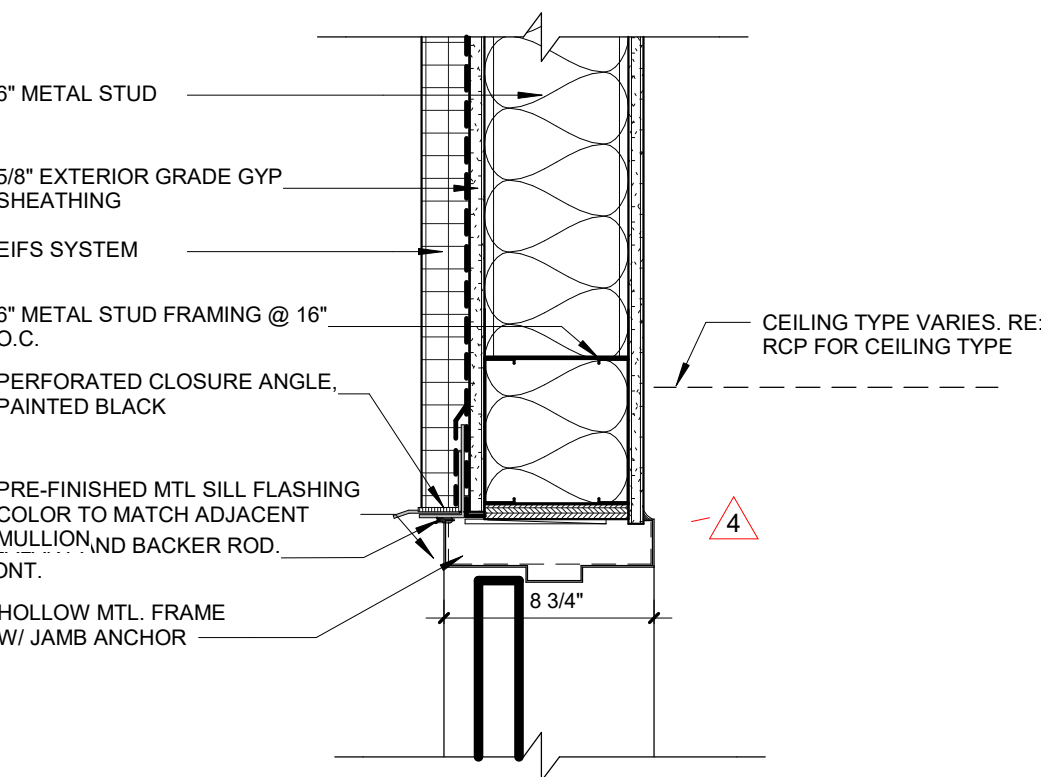
ALUM	ALUMINUM
HM	HOLLOW METAL
WD	SOLID CORE WOOD
FRP	FIBER REINFORCED PANEL
T	TEMPERED

GLAZING LEGEND

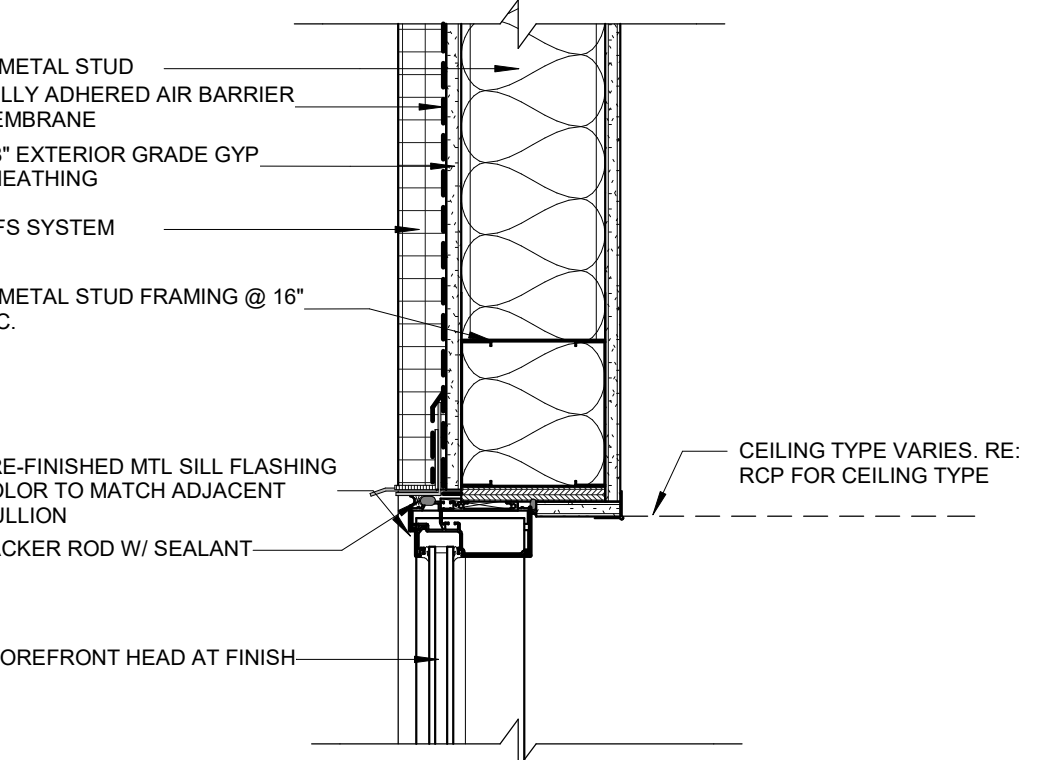
GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	FIRE PROTECTION RATED GLASS
GL-4	FIRE RESISTANT RATED GLASS
GL-5	BUTT-GLAZED GLASS PANELS
IGU-1	DOUBLE-GLAZED INSULATING GLASS UNIT
IGU-2	DOUBLE-GLAZED INSULATING GLASS UNIT (TEMPERED)
IGU-3	DOUBE-GLAZED INSULATING GLASS UNIT (LAMINATED)
IGU-4	DOUBE-GLAZED INSULATING GLASS UNIT (SPANDREL)



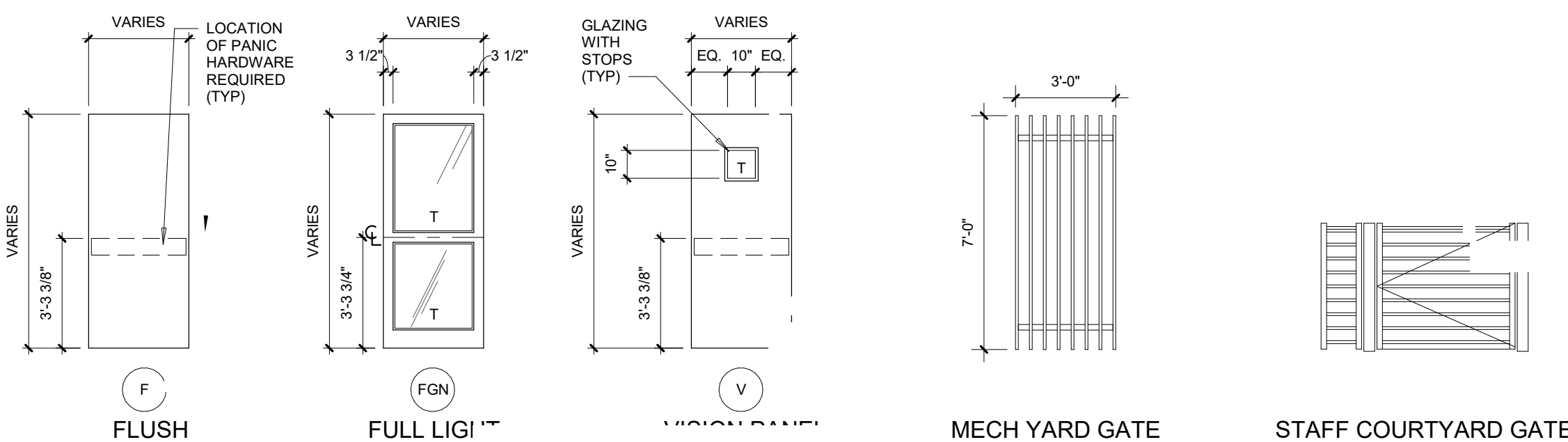
E3 TYP. BULKHEAD DETAIL AT STOREFRONT MULLION
1 1/2" = 1'-0"



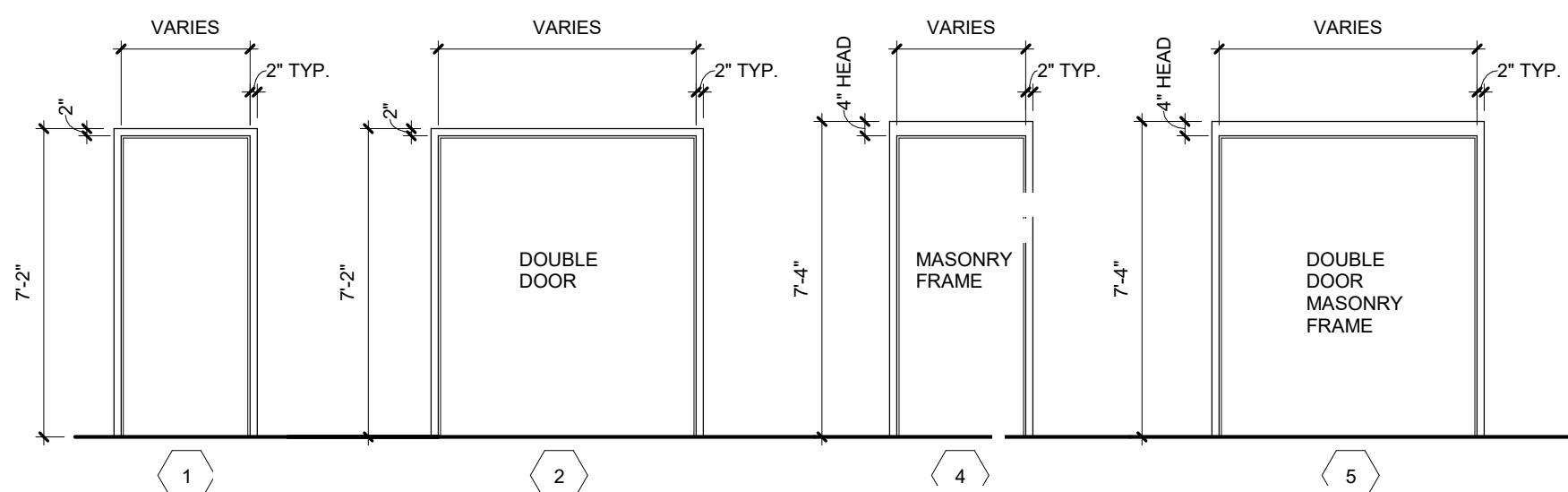
C3 TYP. HEAD DETAIL AT DOOR AND EIFS
1 1/2" = 1'-0"



B3 TYP. HEAD DETAIL AT STOREFRONT AND EIFS
1 1/2" = 1'-0"

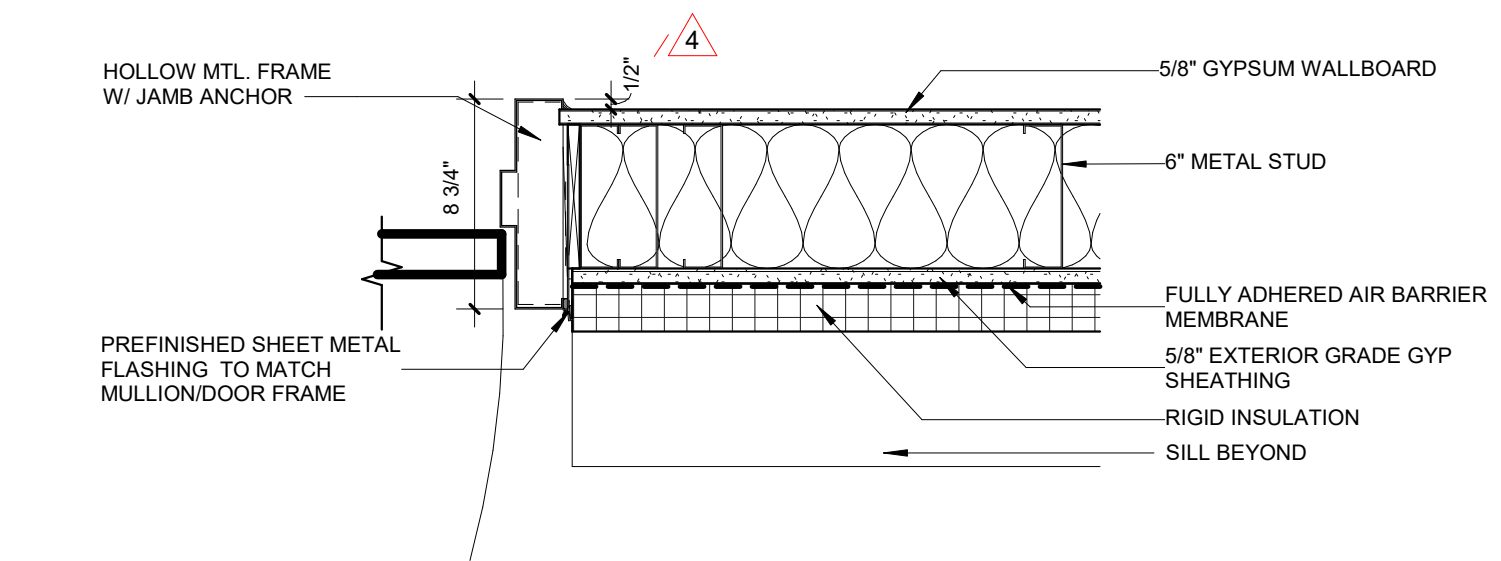


DOOR ELEVATIONS:

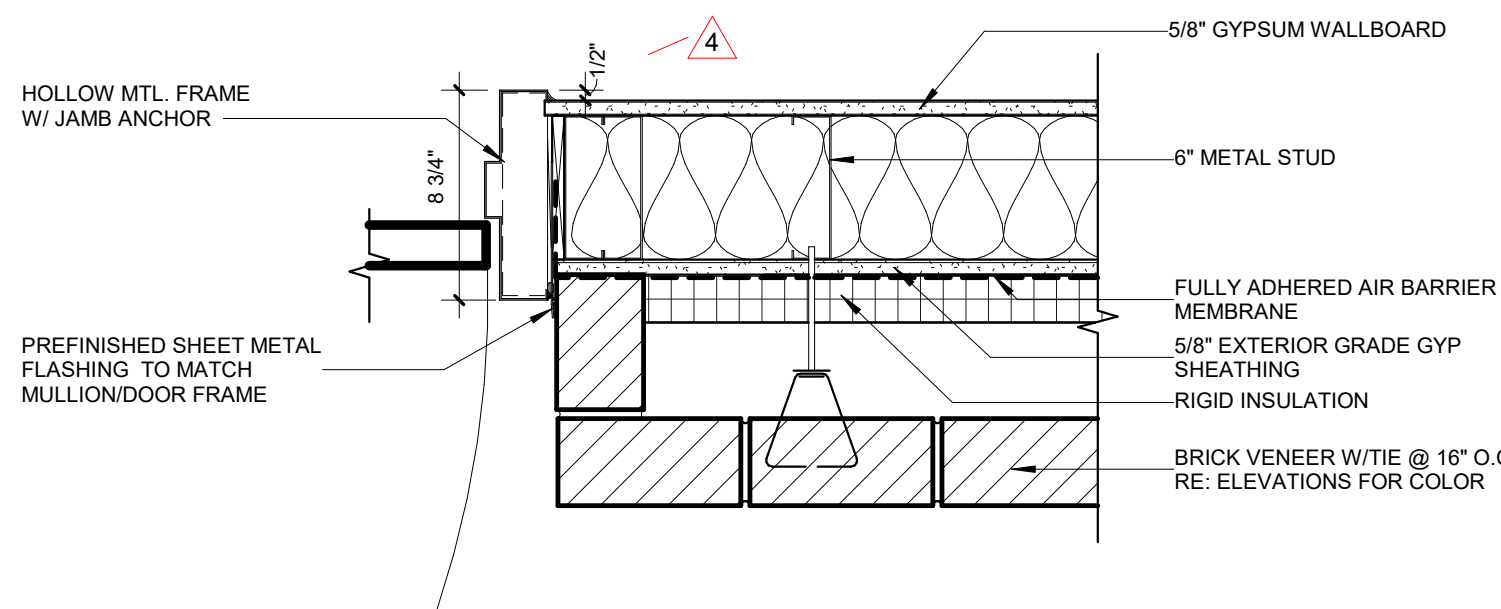


FRAME ELEVATIONS:

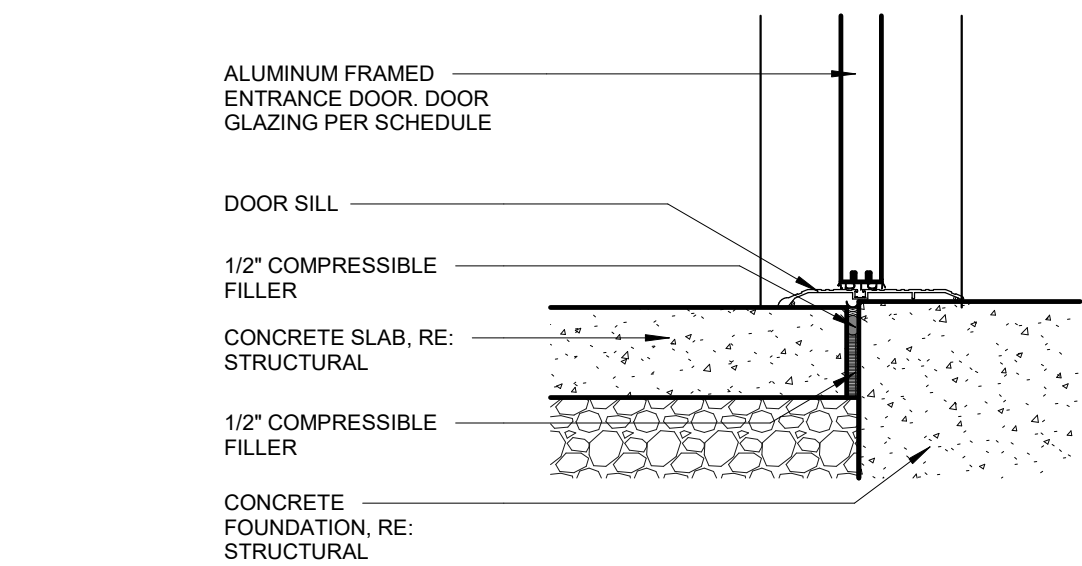
A3 TYP. HEAD DETAIL AT STOREFRONT AND WOOD LOOK METAL PANEL
1 1/2" = 1'-0"



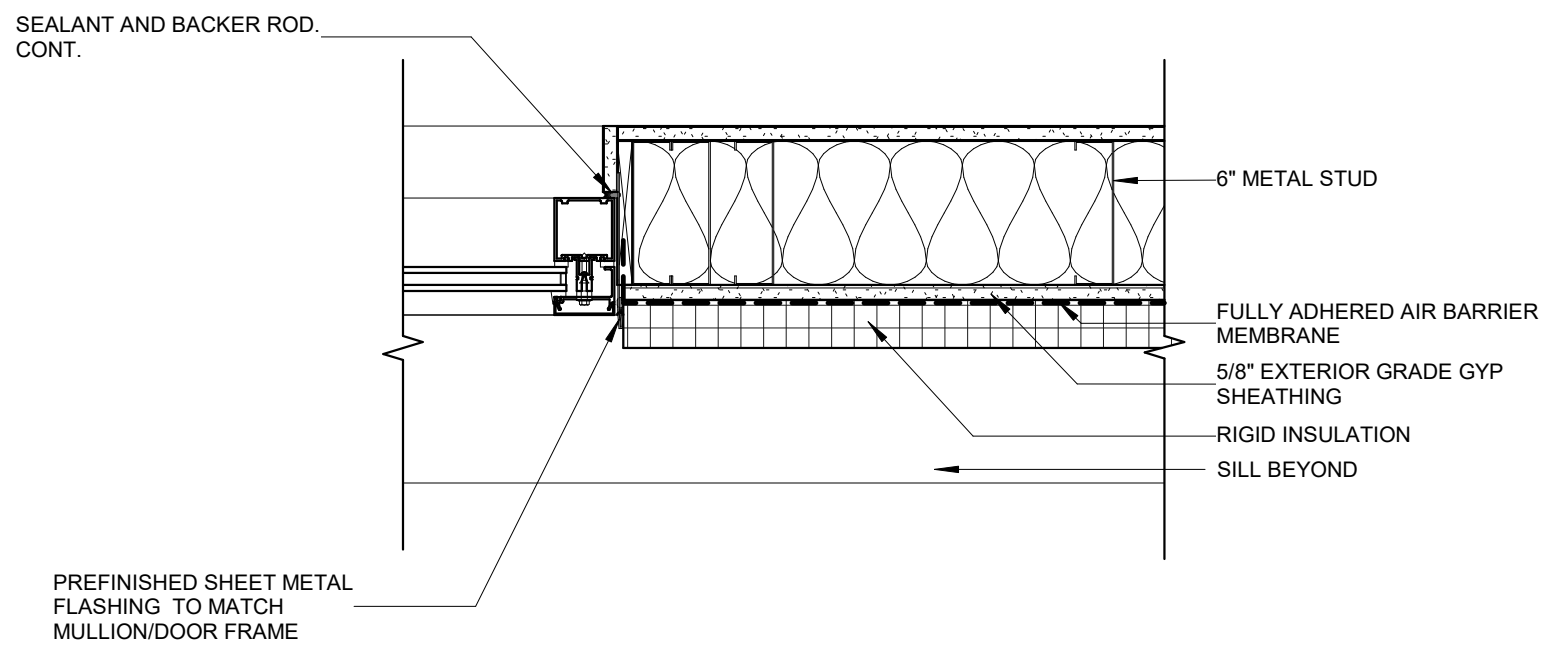
B4 TYP. DOOR JAMP AT EIFS
1 1/2" = 1'-0"



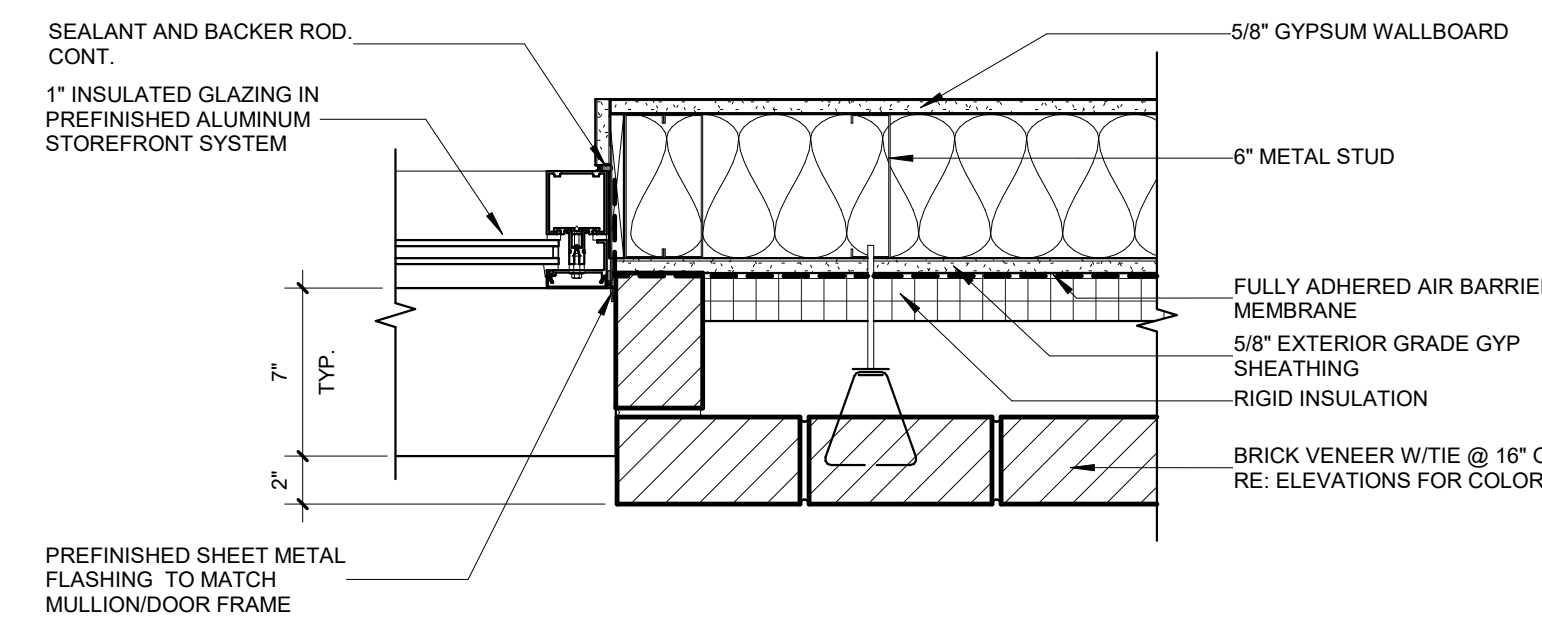
A4 TYP. DOOR JAMP AT BRICK
1 1/2" = 1'-0"



C5 TYP. EXTERIOR DOOR SILL
1 1/2" = 1'-0"



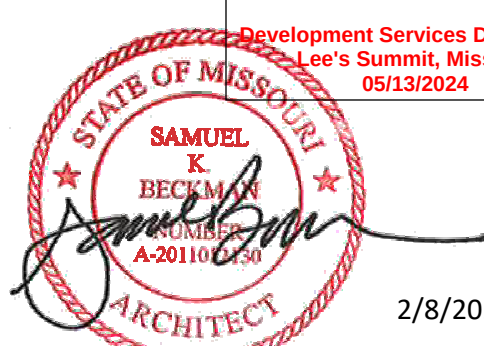
B5 PLAN DETAIL - TYP. STOREFRONT AT EIFS
1 1/2" = 1'-0"



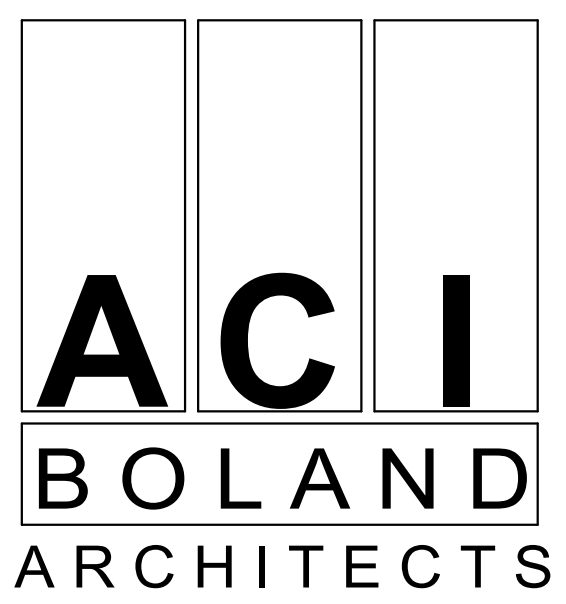
A5 PLAN DETAIL - TYP. STOREFRONT AT BRICK
1 1/2" = 1'-0"

4/30/2024 3:48:34 PM

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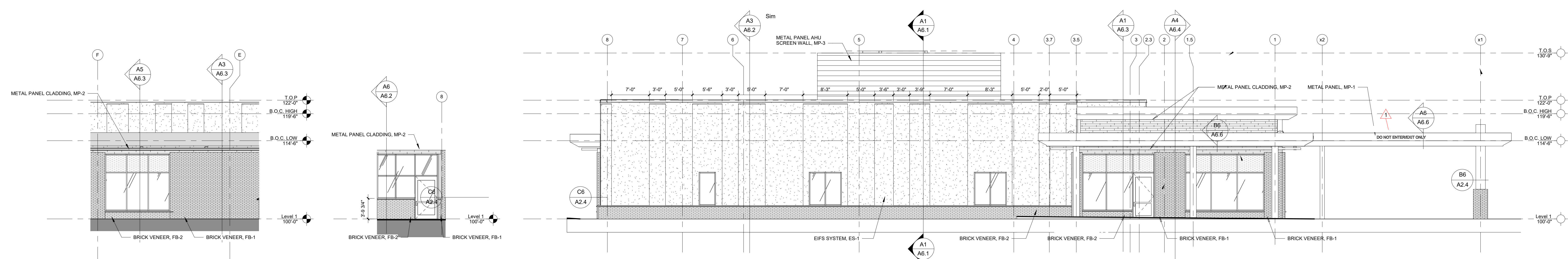
Date 02/08/23
Job Number 3-22030
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Revision		
Number	Date	Description
1	2/14/23	Addendum #1
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A5.1
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EXTERIOR ELEVATIONS

EXTERIOR FINISH LEGEND

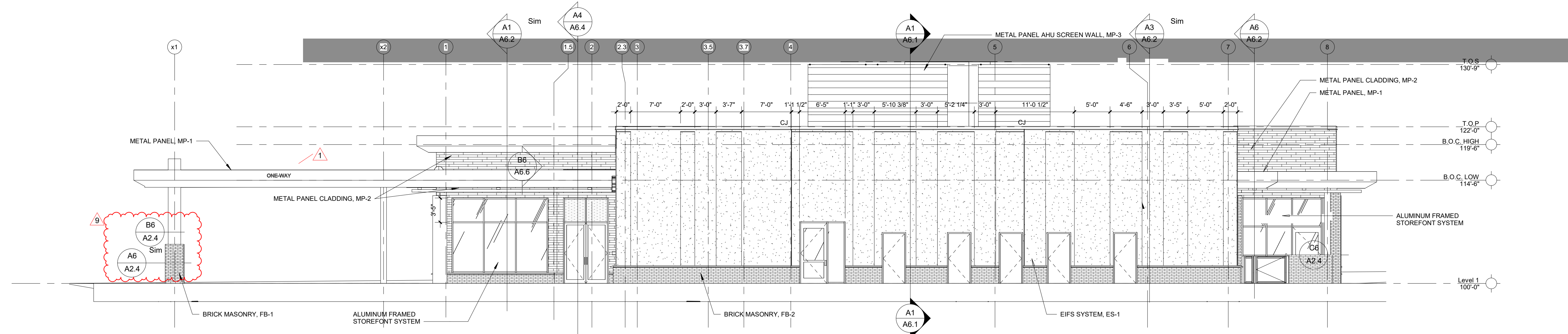
MARK	MATERIAL	MANUFACTURER	COLOR/PATTERN	DIMENSION
ES-1	EIFS SYSTEM	AS SPECIFIED	TBD	2" & 3"
FB-1	TAN BRICK	GLEN GERY	PEARL RIVER IRONSPOT	2 1/4" x 7 5/8" x 3 5/8"
FB-2	DARK BRICK	ENDCOTT	MANGANESE IRONSPOT, SMOOTH	2 1/4" x 7 5/8" x 3 5/8"
MP-1	METAL PANEL	FIRESTONE	CITYSCAPE	VARIES
MP-2	METAL PANEL	KNOTWOOD	WALNUT	VARIES
MP-3	METAL PANEL	BERRIDGE	HR-16, GRAY ZINC	VARIES



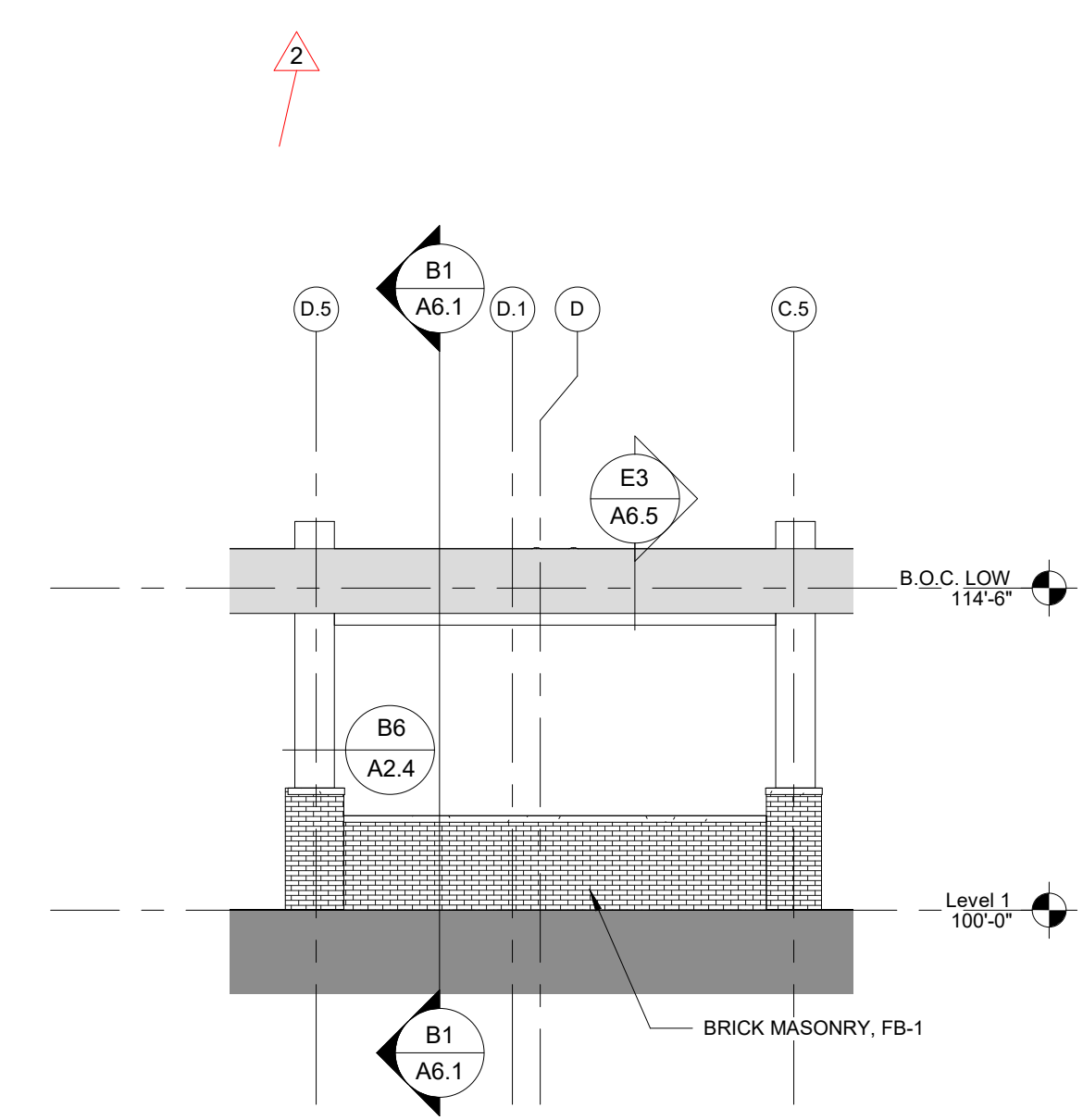
D5 STAFF COURTYARD SOUTH
1/8" = 1'-0"

D4 STAFF COURTYARD - WEST
1/8" = 1'-0"

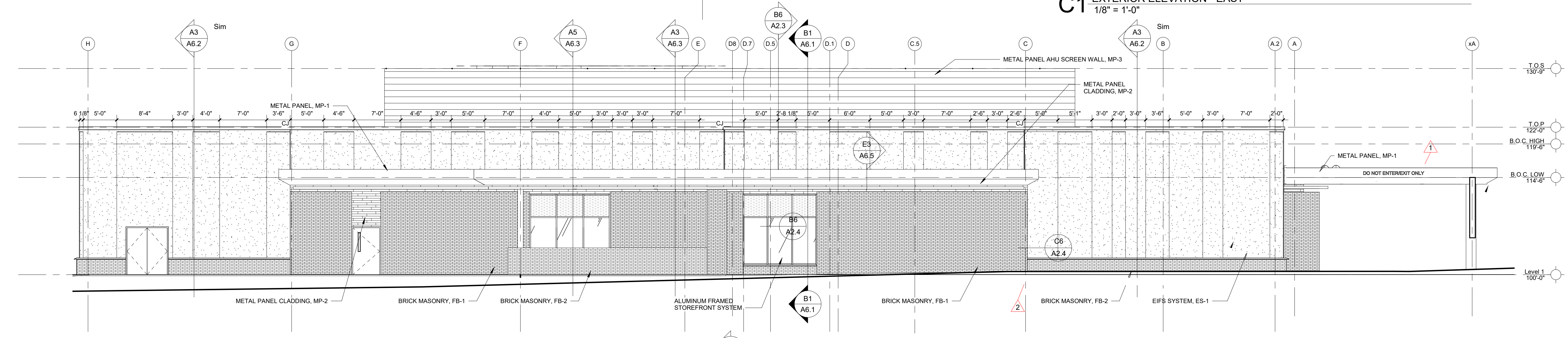
D1 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



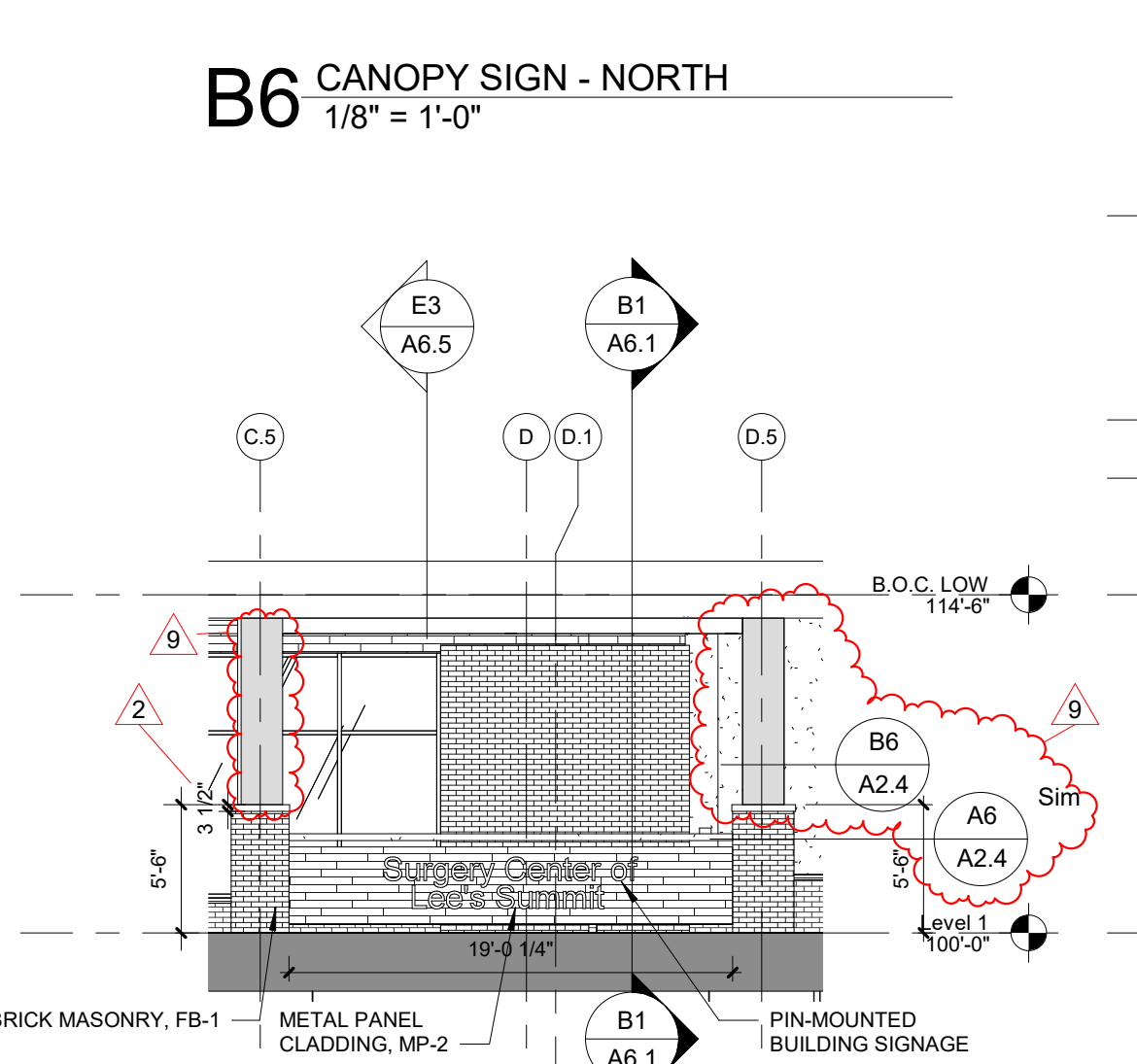
C1 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



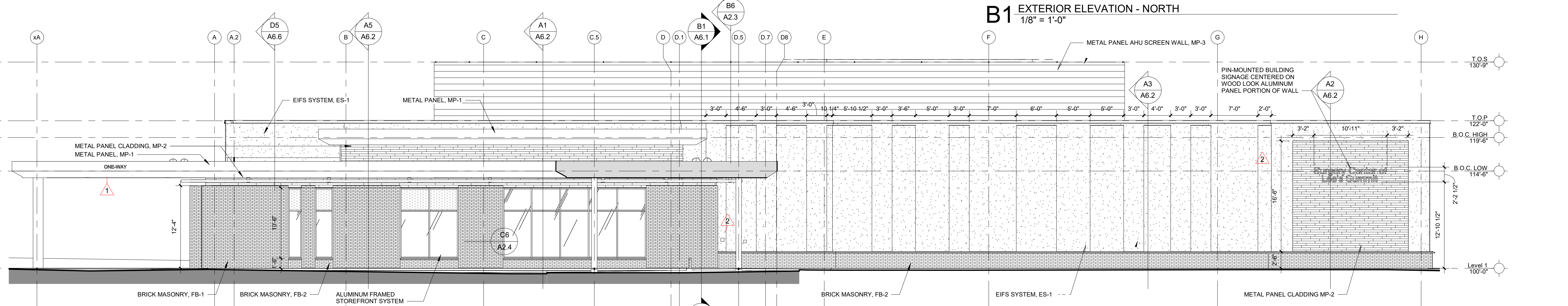
B6 CANOPY SIGN - NORTH
1/8" = 1'-0"



B1 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



A6 CANOPY SIGN ELEVATION
1/8" = 1'-0"



A1 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

- GENERAL EIFS NOTES
1.

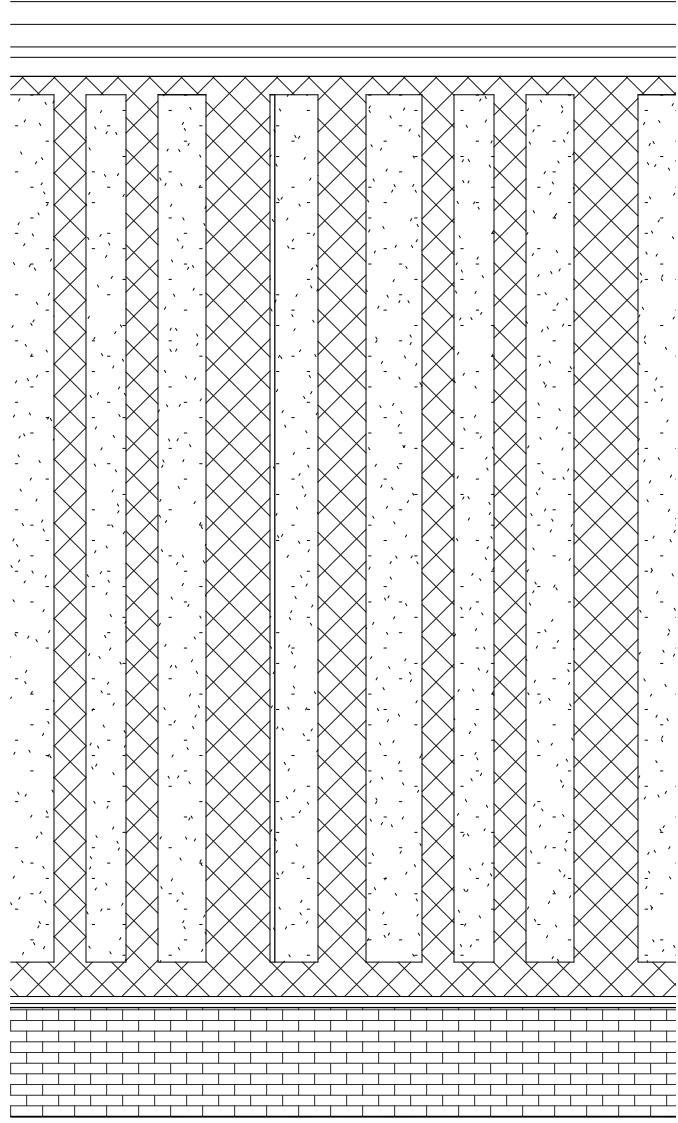
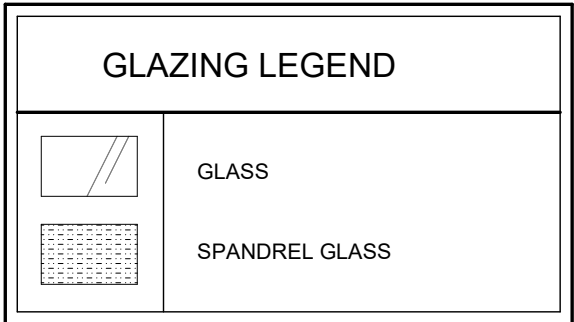
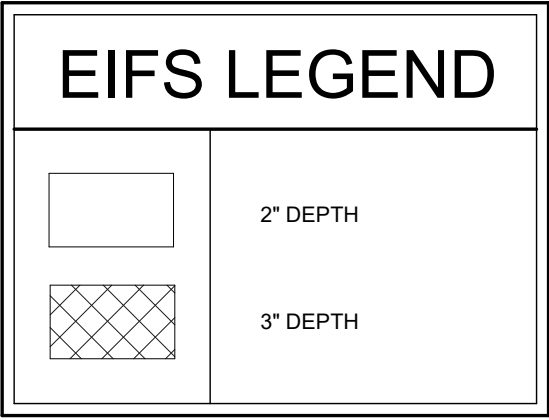
GENERAL EIFS NOTES APPLY TO ALL EXTERIOR ELEVATIONS.
2.

ALL WALL MOUNTED FIXTURES AND EXTERIOR PENETRATIONS ARE TO BE COORDINATED TO BE LOCATED ON 3" DEPTH FACES OF EIFS.
3.

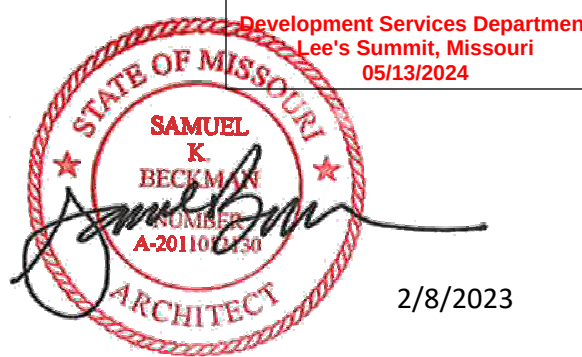
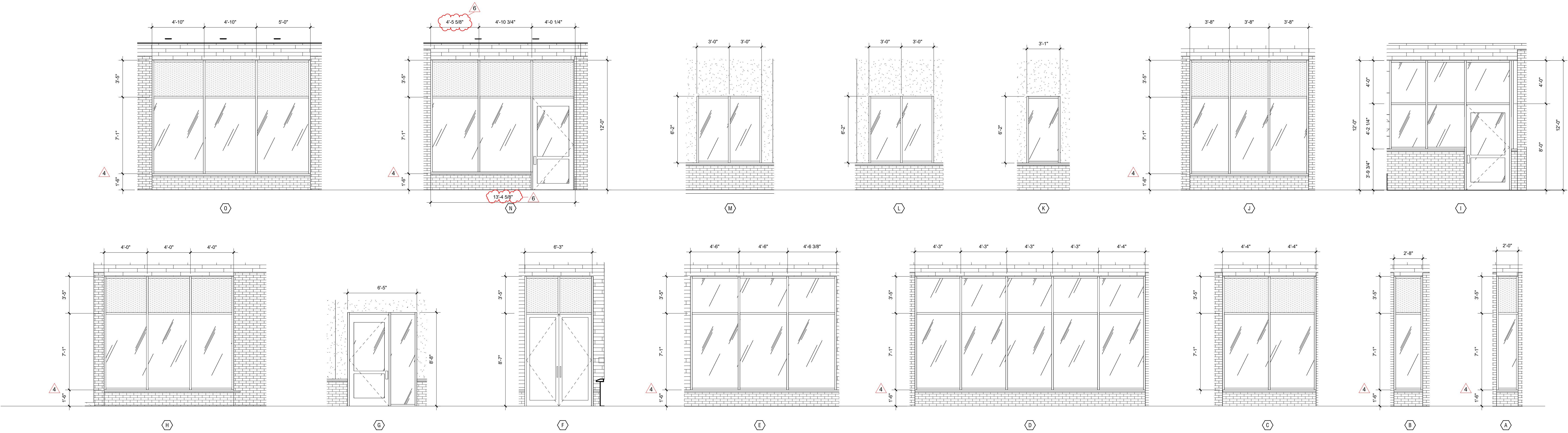
ALL EXTERIOR DOORS, WINDOW FRAMES, AND STOREFRONT FRAMES ARE TO BE PLACED ON 2" EIFS DEPTH AS INDICATED IN EXTERIOR ELEVATIONS.
4.

EIFS PATTERN TO FOLLOW TYPICAL ELEVATION. PATTERN MAY VARY IN INDICATED LOCATIONS.
5.

PROVIDE SLOPED SURFACE TRANSITION AT ALL HORIZONTAL FEATURE BANDS, PER MANUFACTURERS DETAILS.



C2 TYPICAL EIFS PATTERN
1/4" = 1'-0"



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Date 02/08/23
Job Number 3-22030
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Revision		
Number	Date	Description
4	10/05/23	ASI 1
6	12/7/23	ASI 3



2/8/2023

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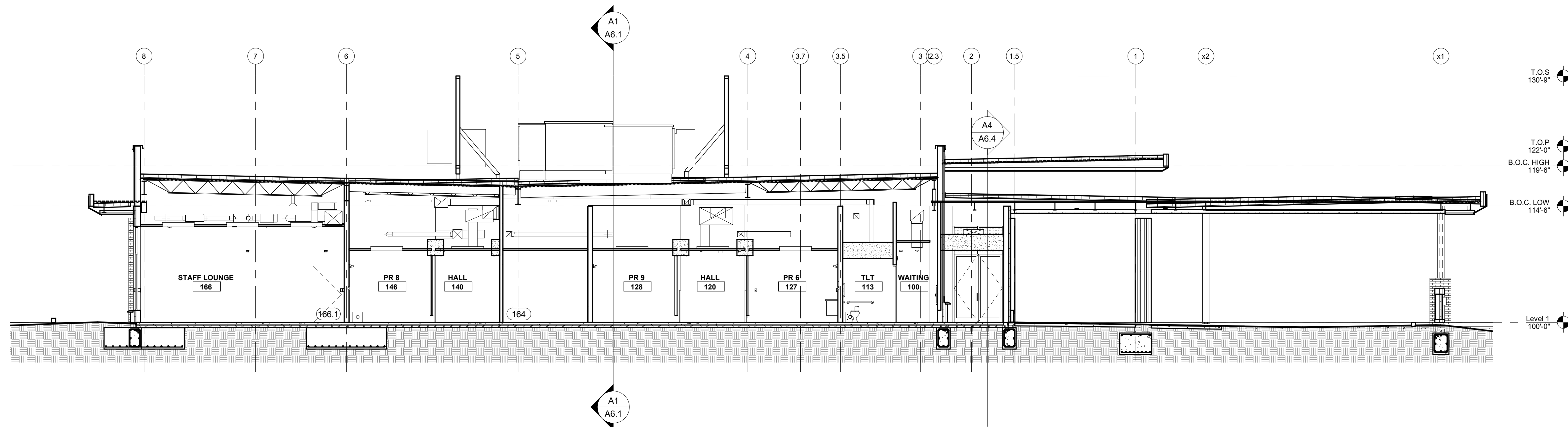
Date 02/08/23
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Revision
Number Date Description

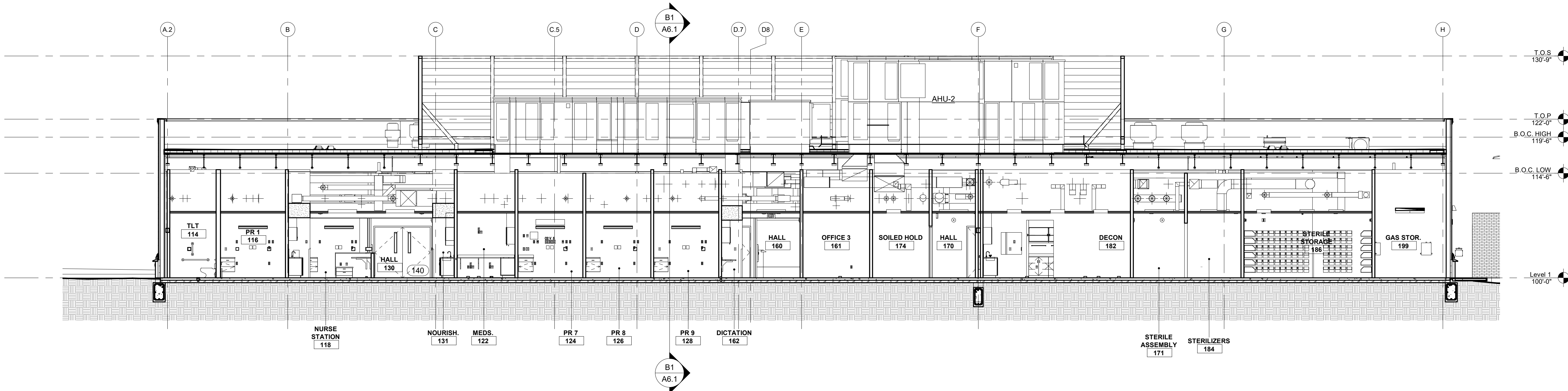
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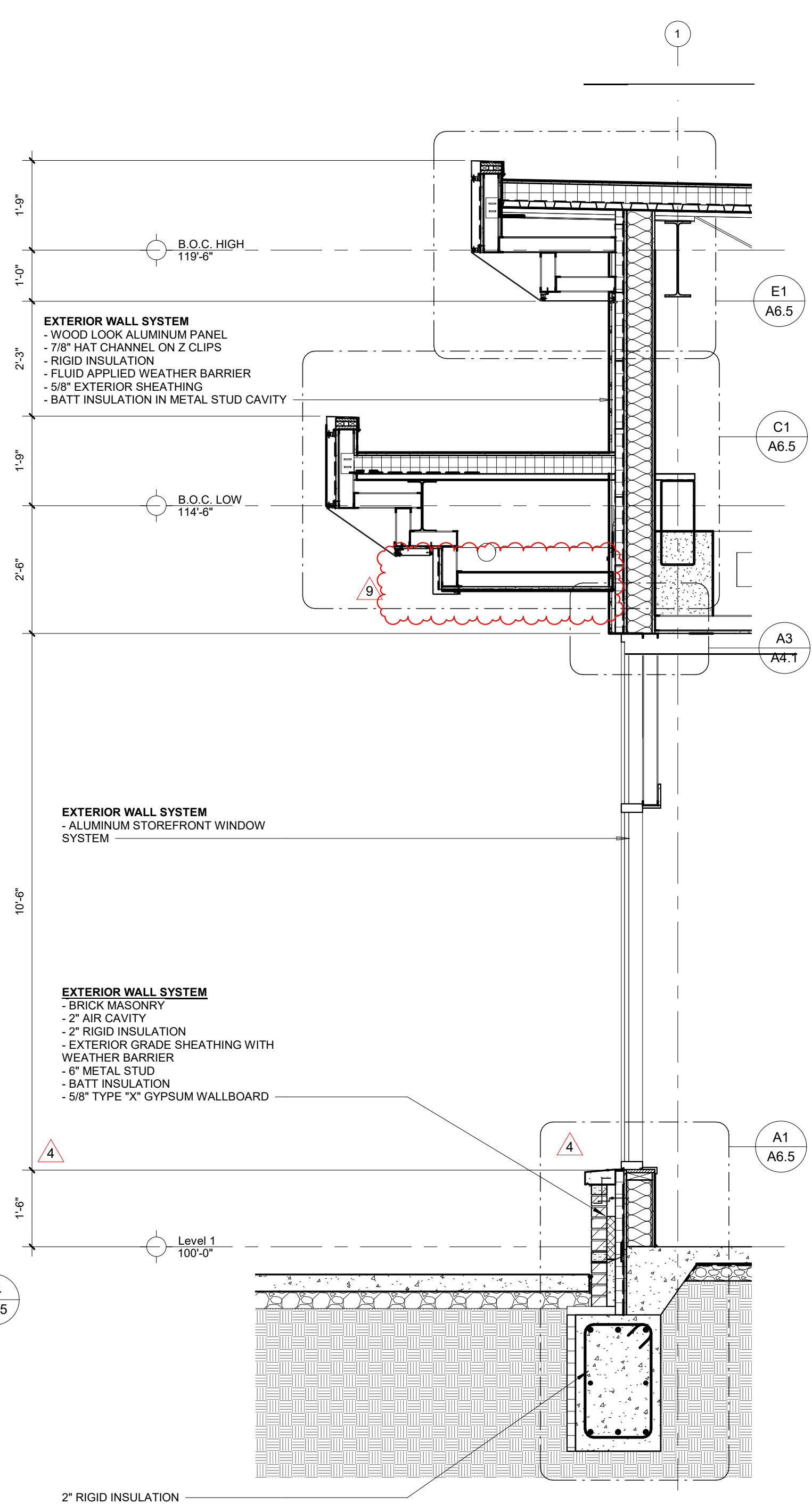
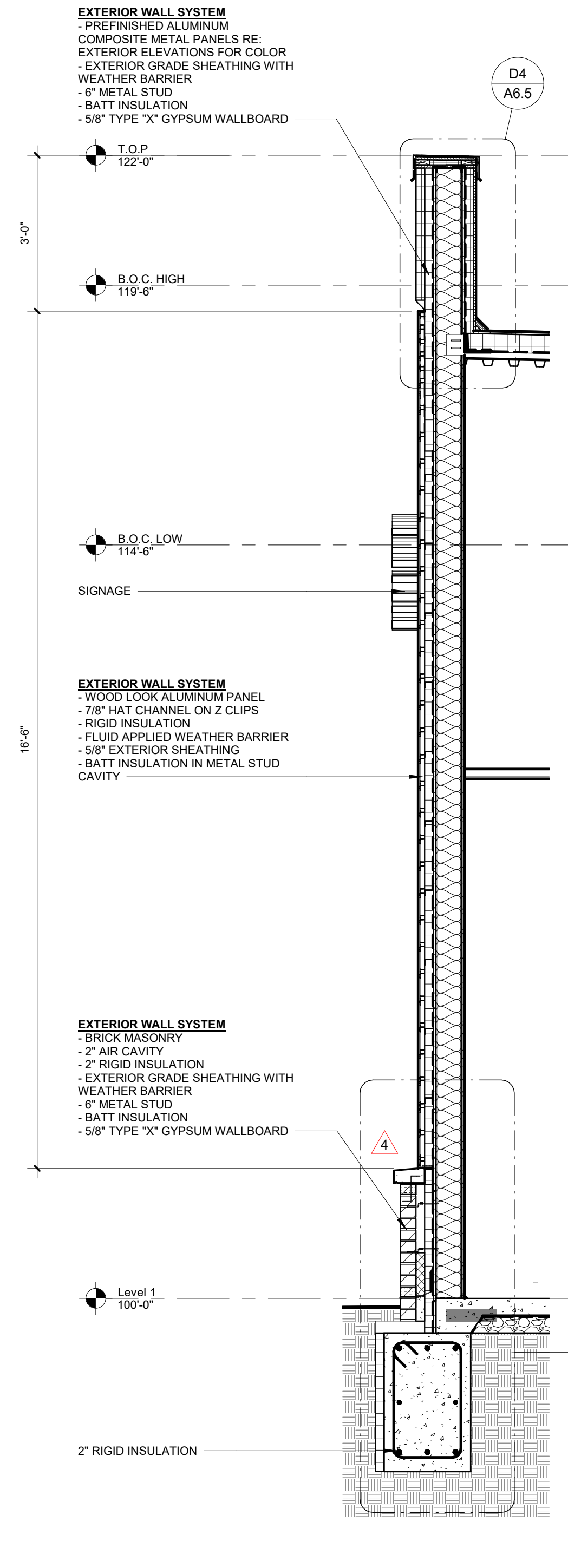
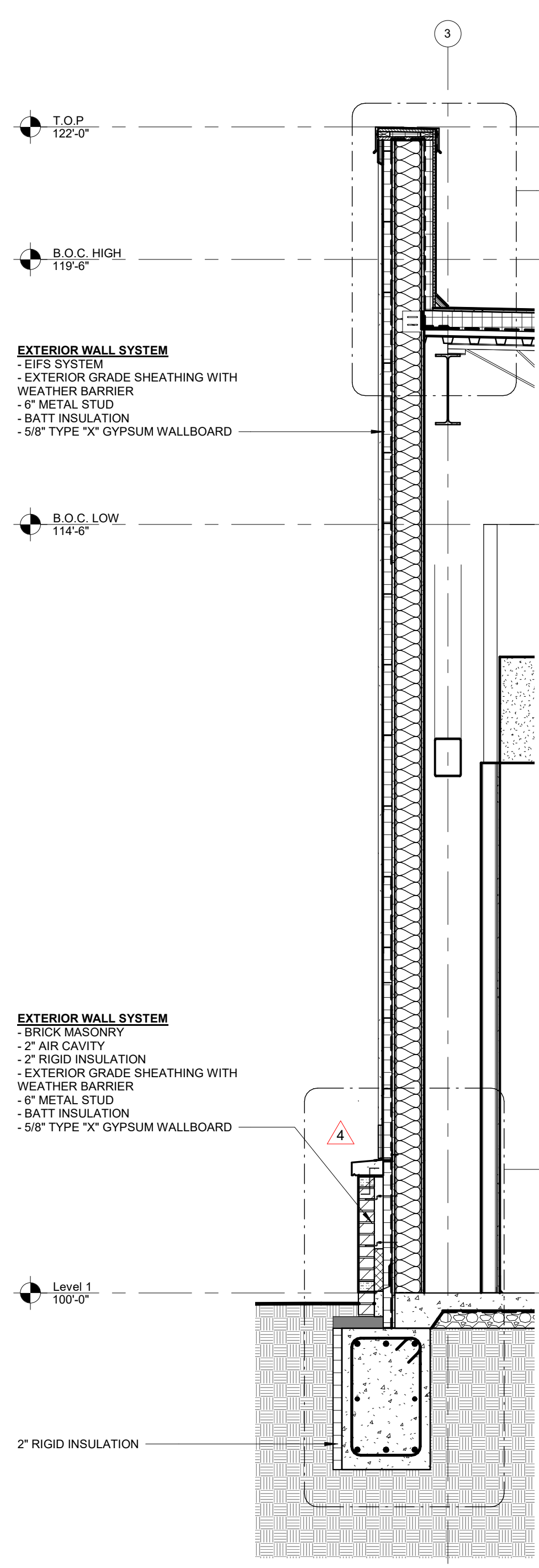
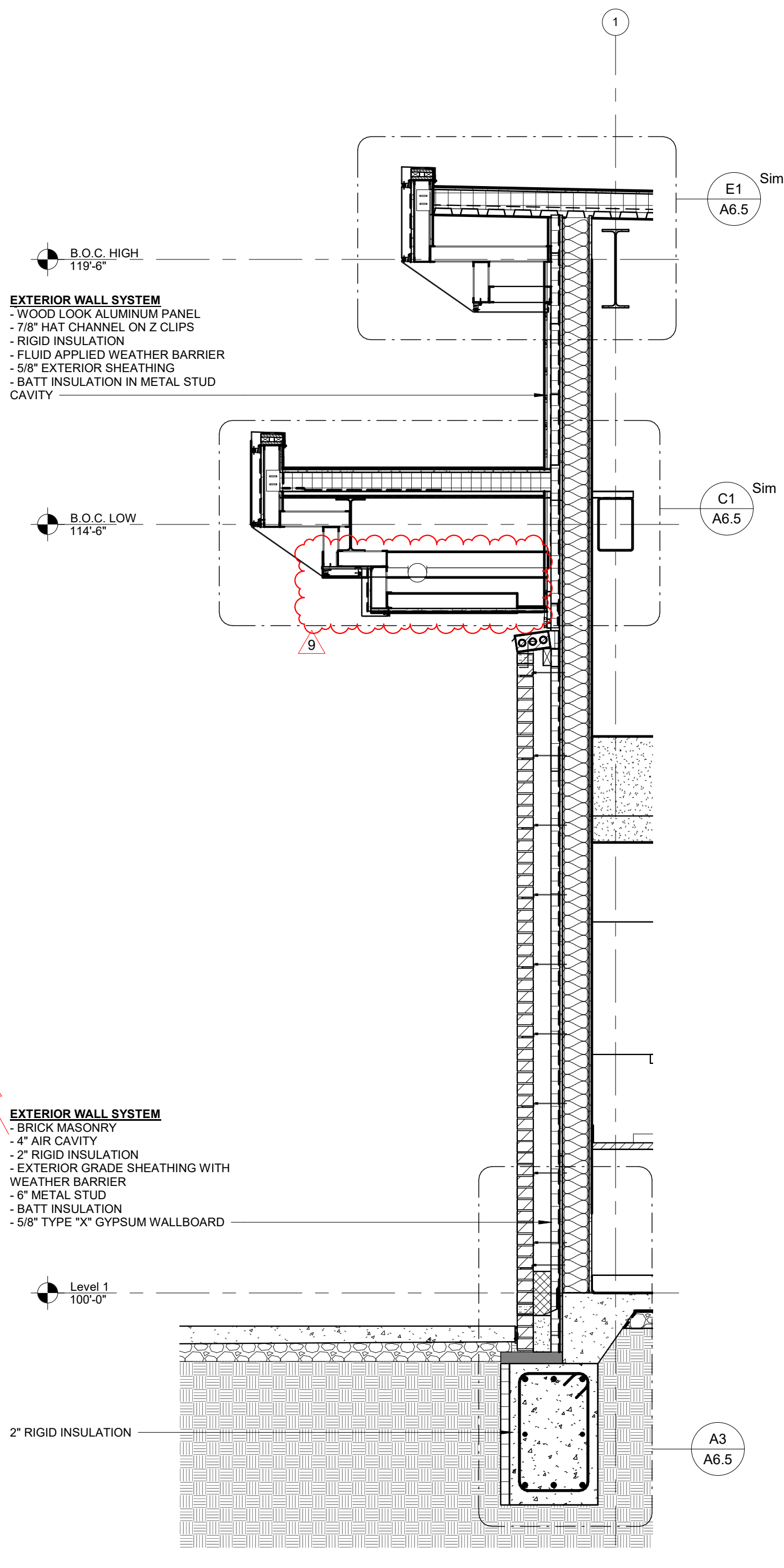
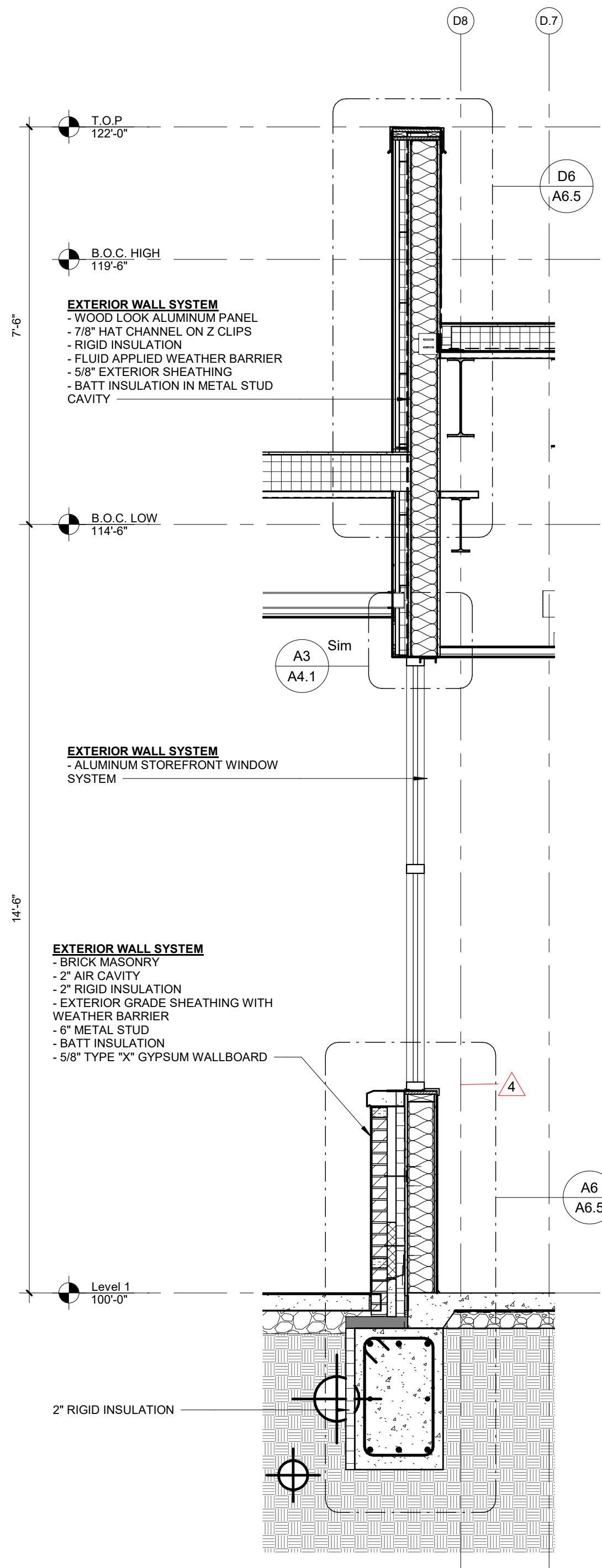
BUILDING SECTIONS



B1 BUILDING SECTION NS - THRU GI & PACU
1/8" = 1'-0"



A1 BUILDING SECTION EW - THRU SPD & PACU
1/8" = 1'-0"



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4	10/05/23	ASI 1
9	4/29/24	ASI 6

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09/13/2024

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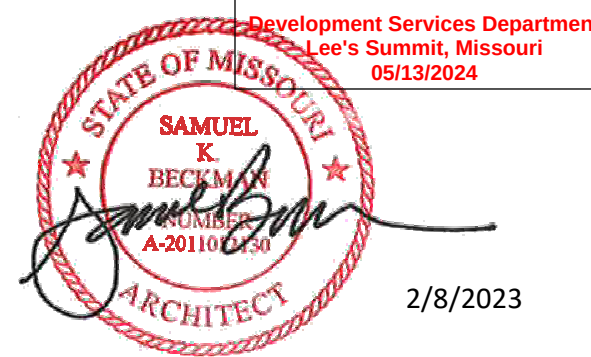
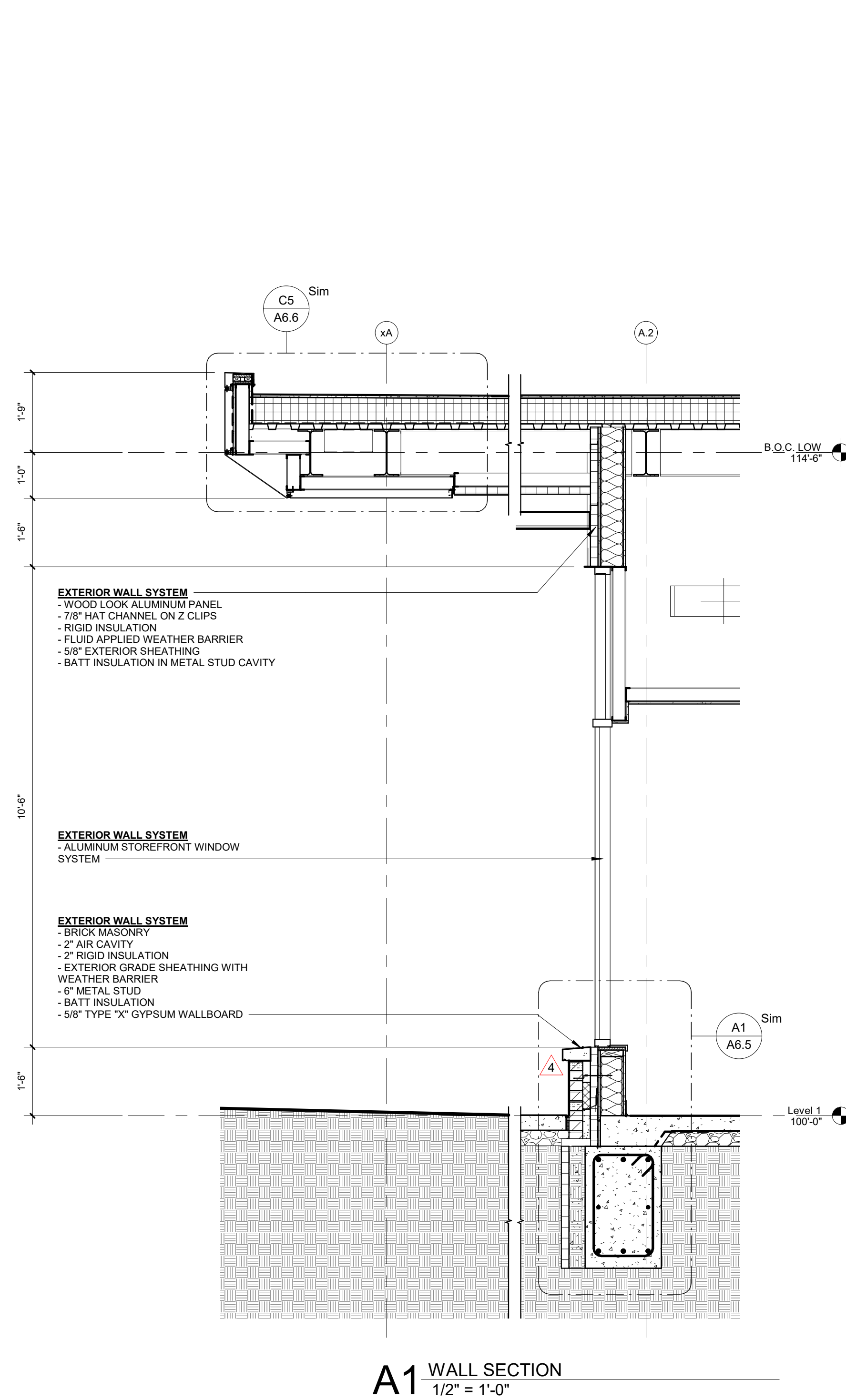
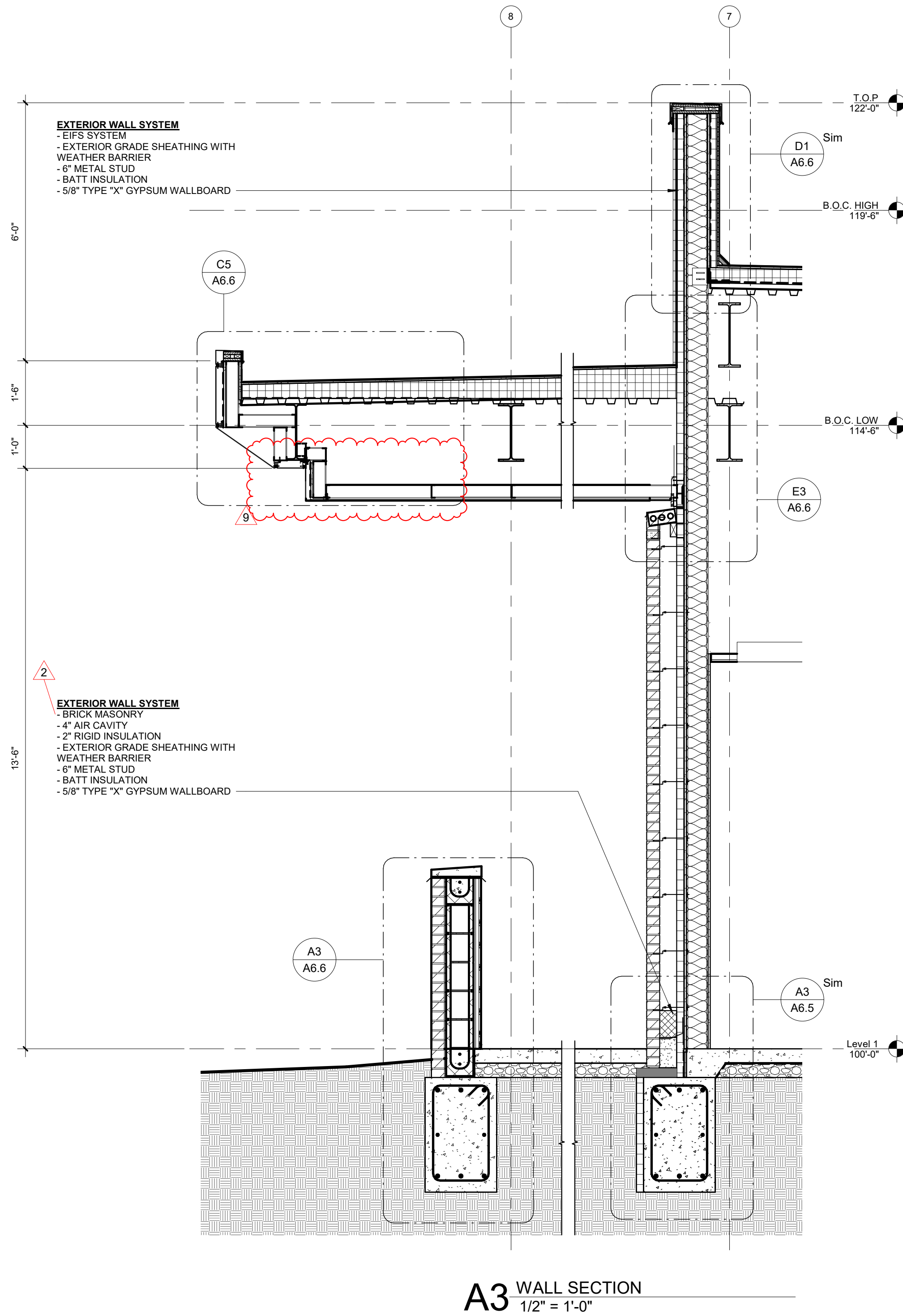
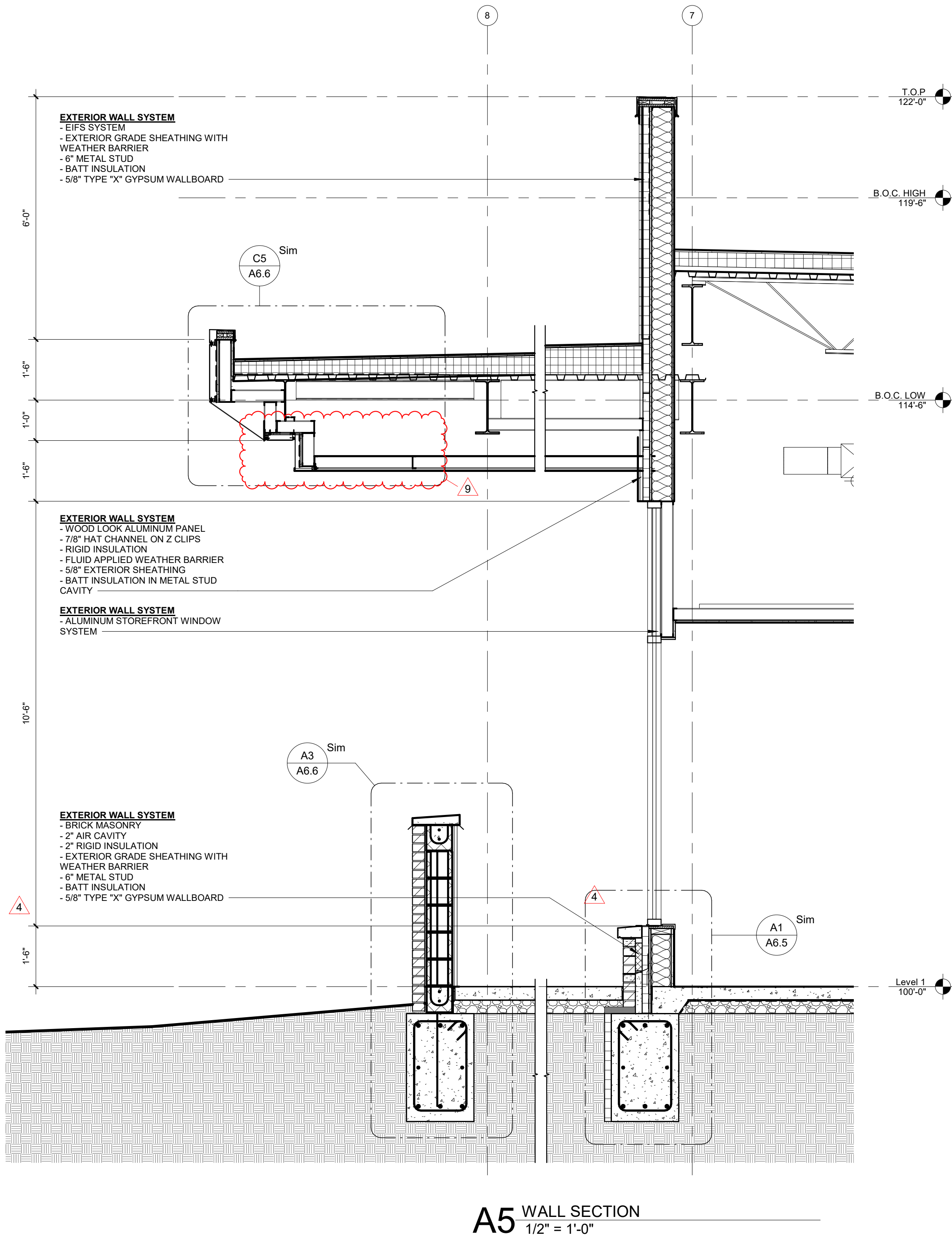
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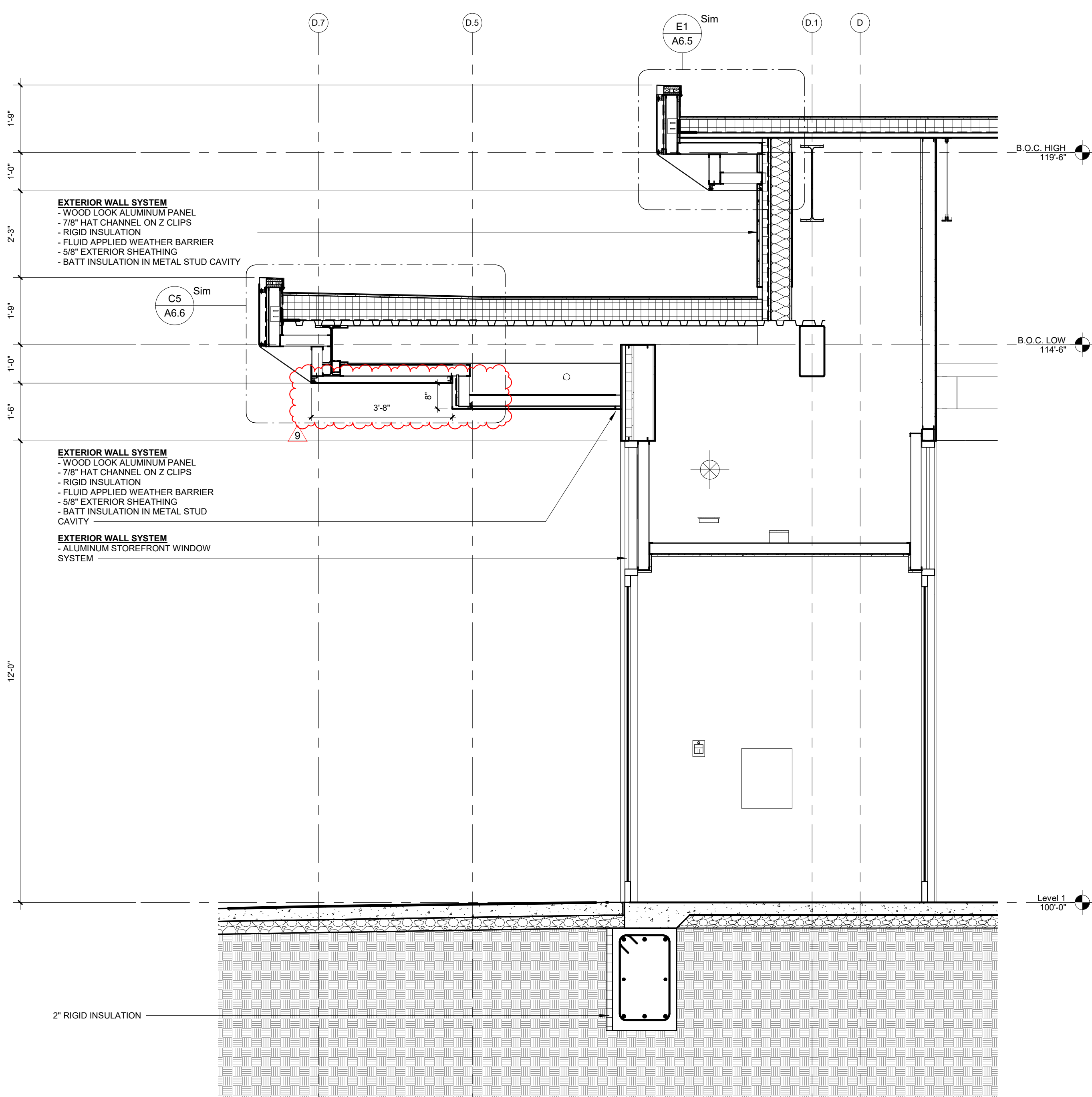
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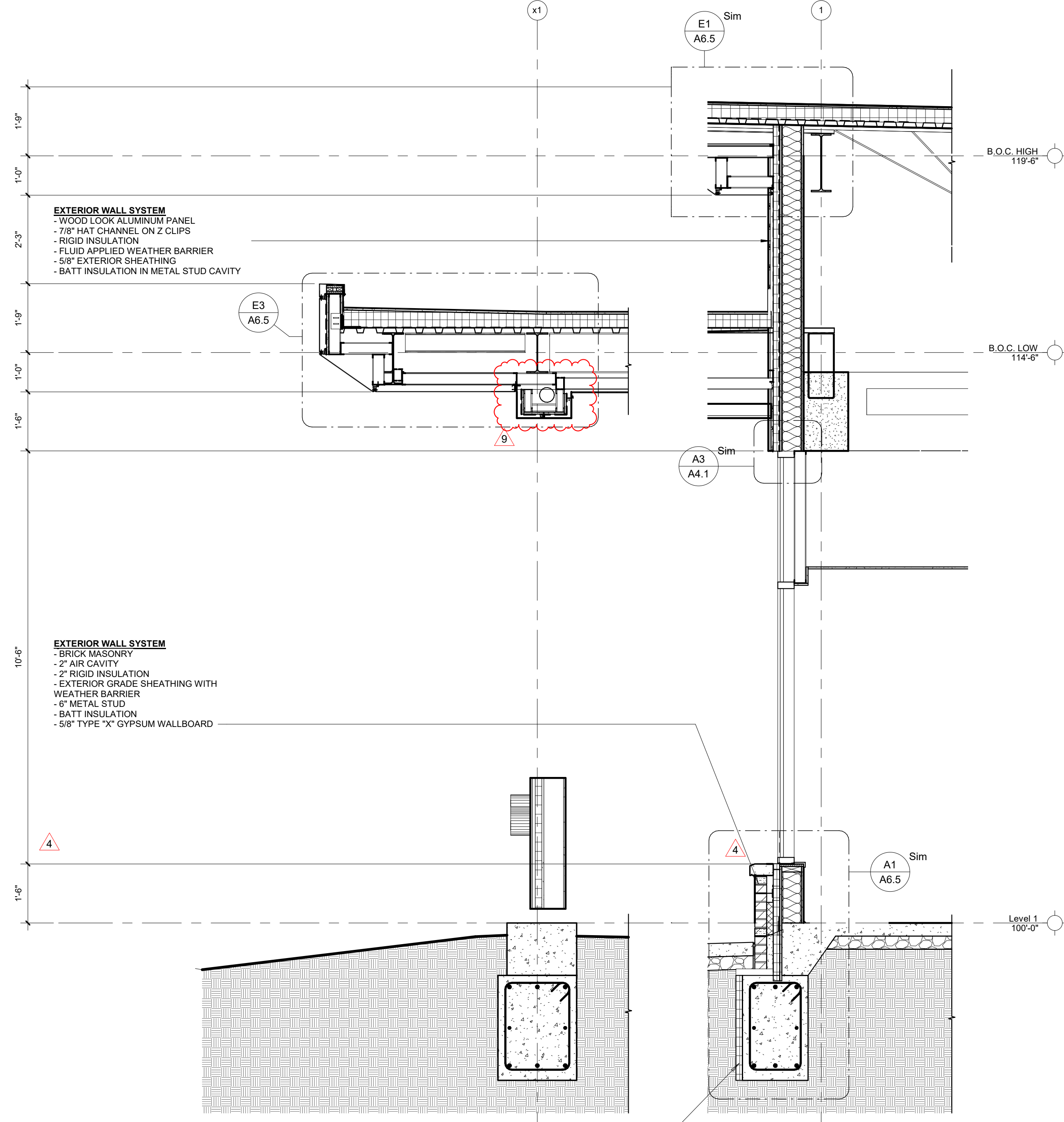
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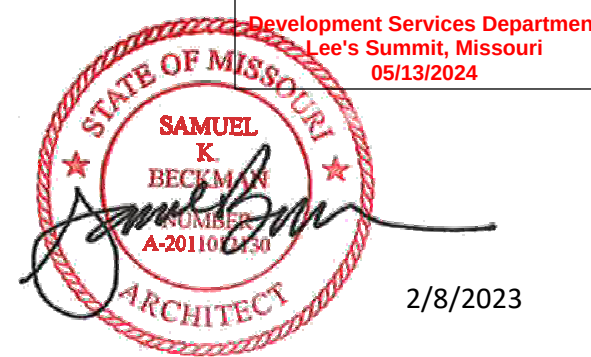
Revision		
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6



A4 WALL SECTION AT EAST ENTRANCE
1/2" = 1'-0"



A1 WALL SECTION AT FRONT CANOPY
1/2" = 1'-0"



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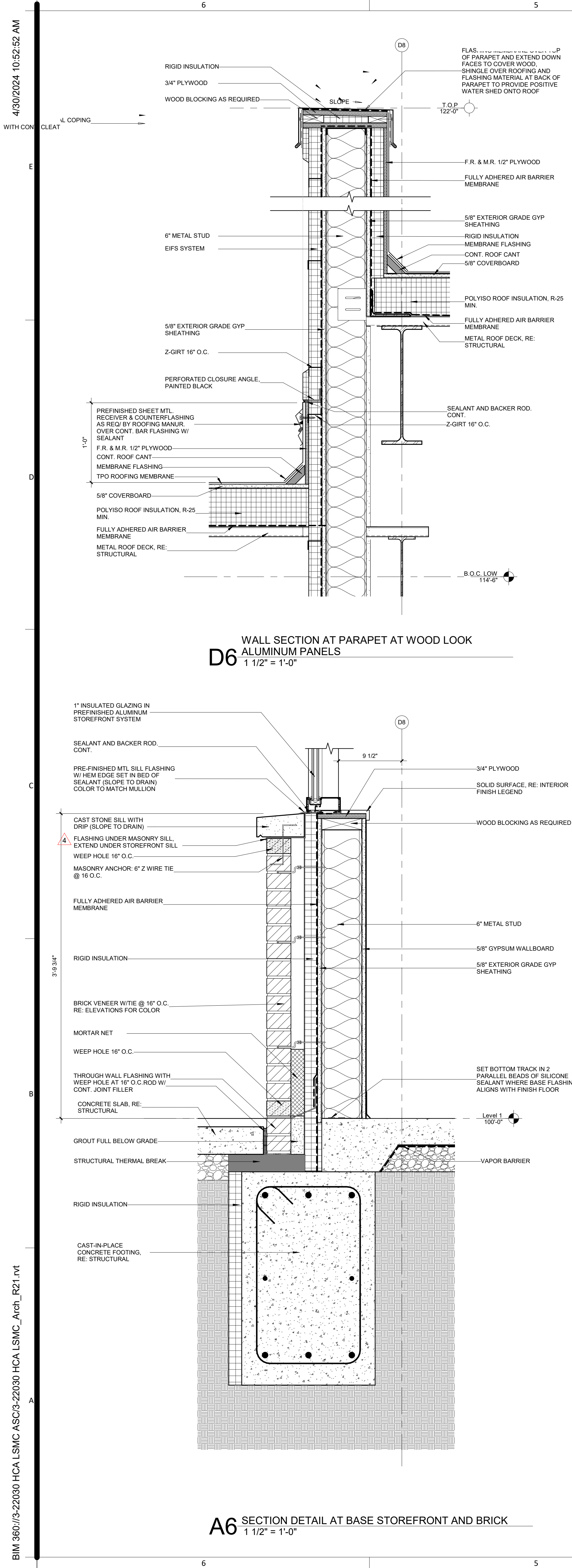
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Number	Date	Description
4	10/05/23	ASI 1
9	4/29/24	ASI 6

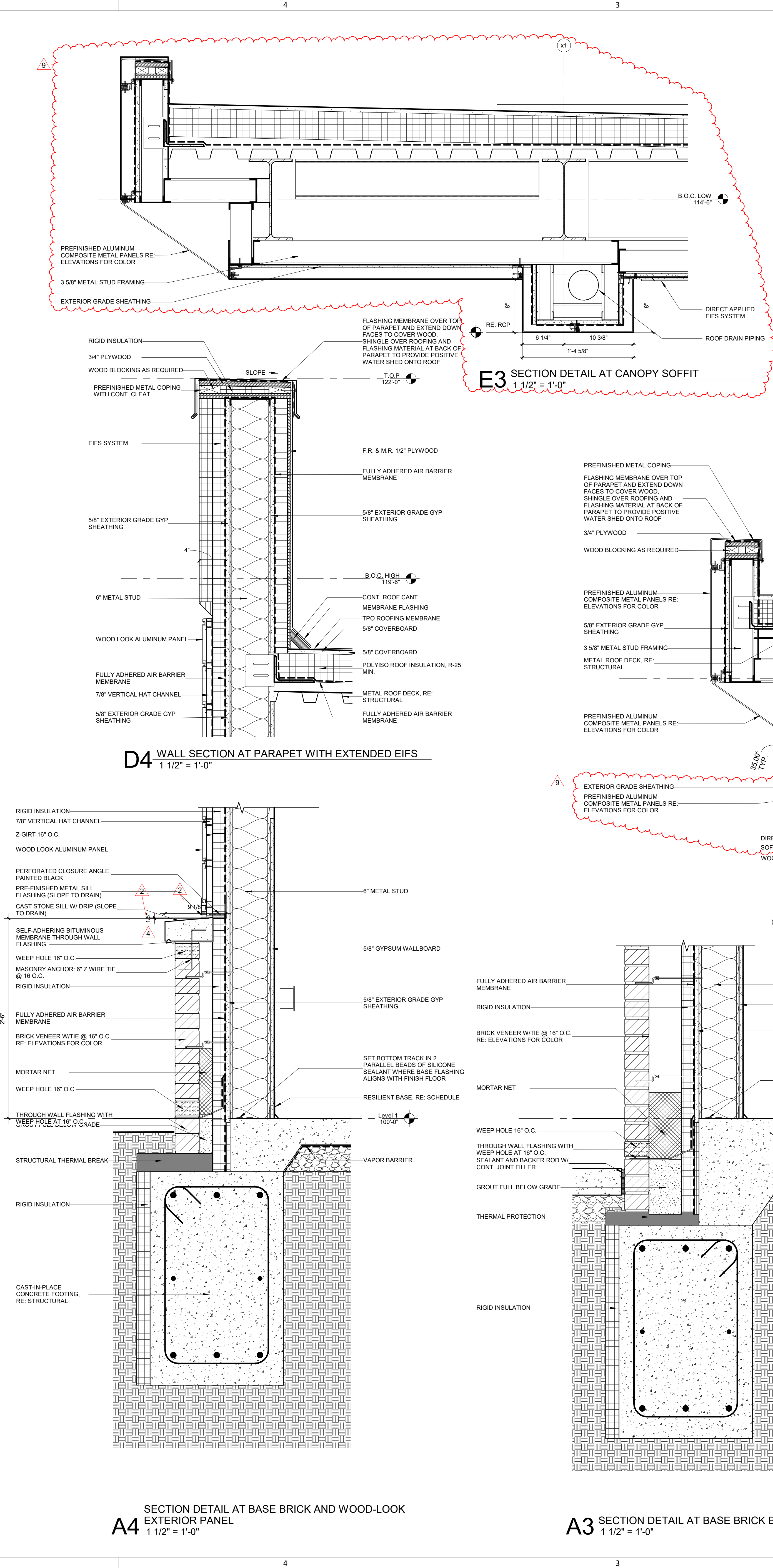
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WALL SECTIONS

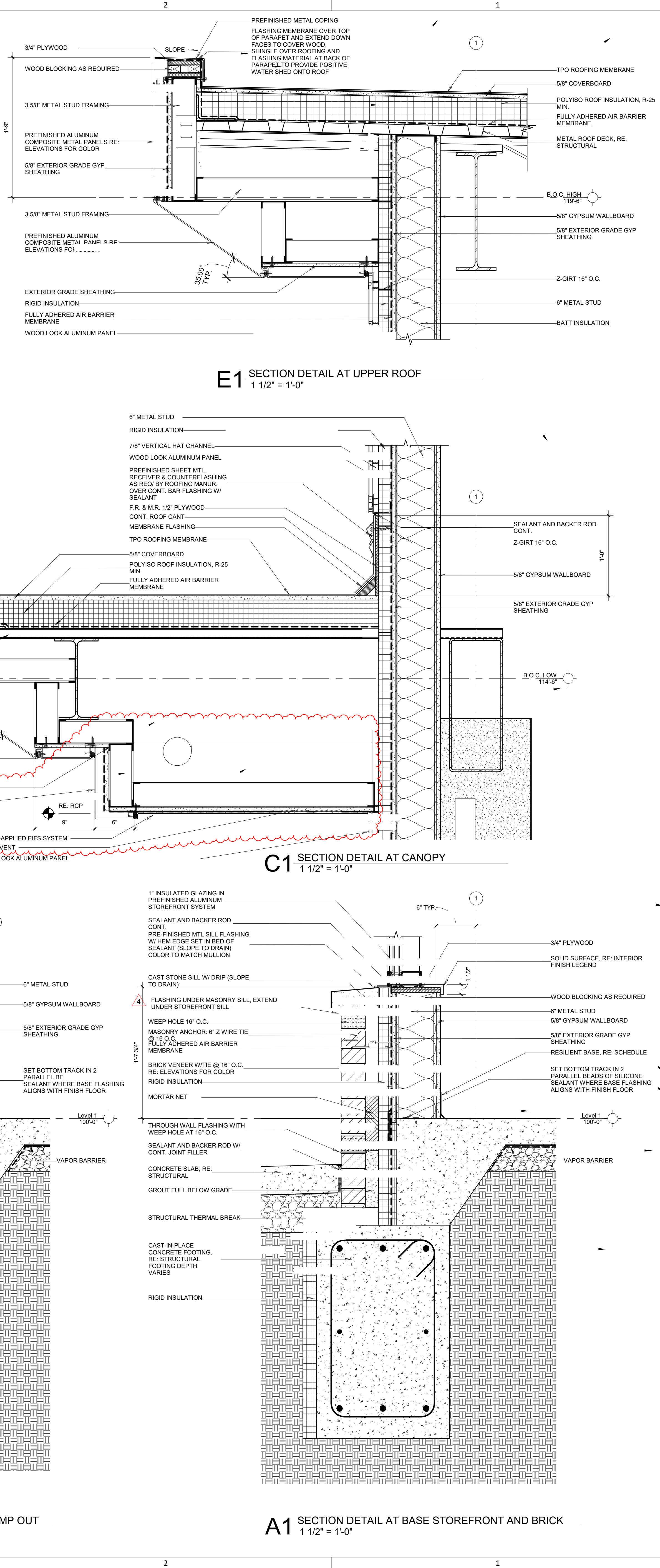
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BIN 360/3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt



A6 SECTION DETAIL AT BASE STOREFRONT AND BRICK
1 1/2" = 1'-0"



A4 SECTION DETAIL AT BASE BRICK AND WOOD-LOOK EXTERIOR PANEL
1 1/2" = 1'-0"



A1 SECTION DETAIL AT BASE STOREFRONT AND BRICK
1 1/2" = 1'-0"

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04/30/2024

2/8/2023

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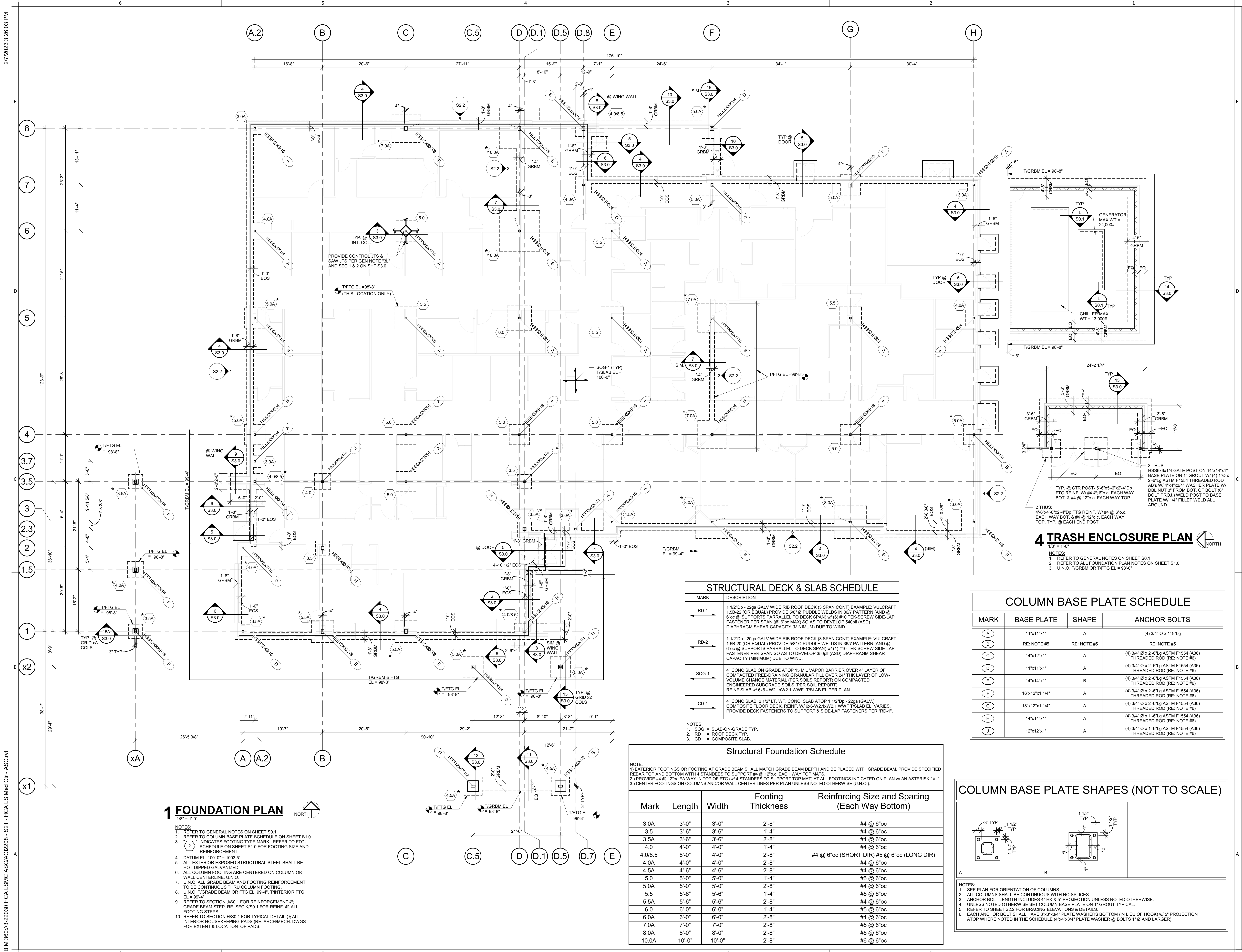
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2	2/20/23	Addendum #2
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9	4/29/24	ASI 6

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SECTION DETAILS

SECTION DETAILS





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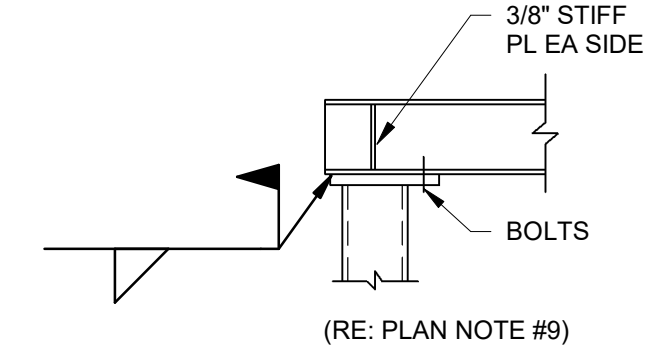
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Number Date Description

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FOUNDATION PLAN



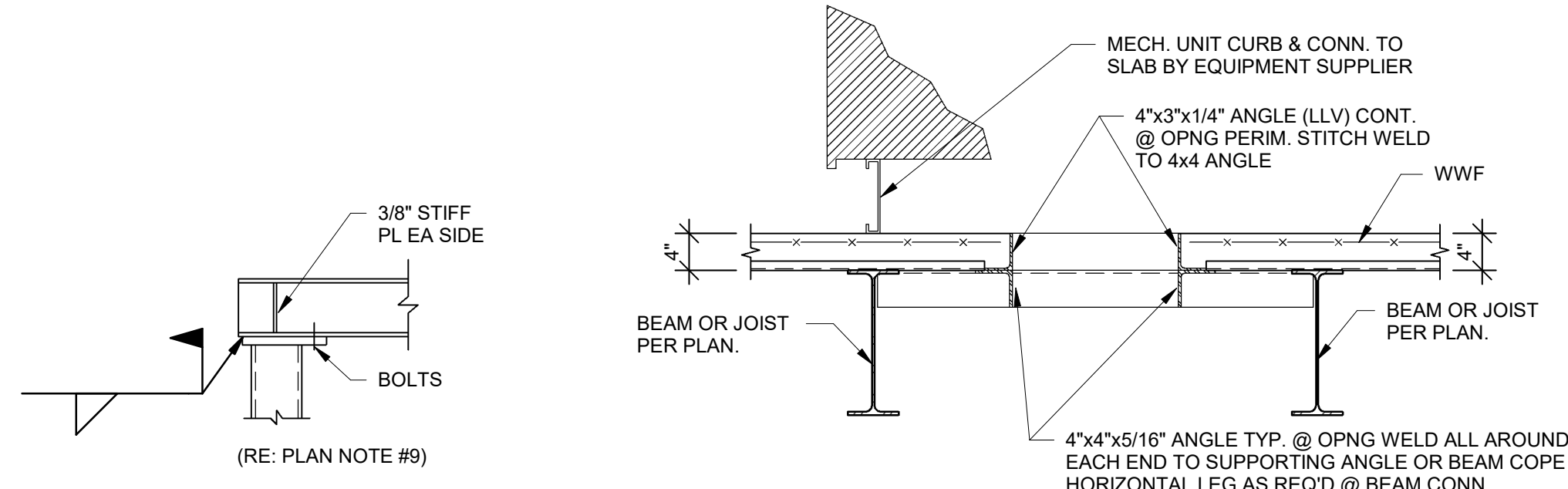
NOTES:
1. SOG = SLAB-ON-GRADE TYP.
2. RD = ROOF DECK TYP.
3. CD = COMPOSITE SLAB.

1 ROOF FRAMING PLAN

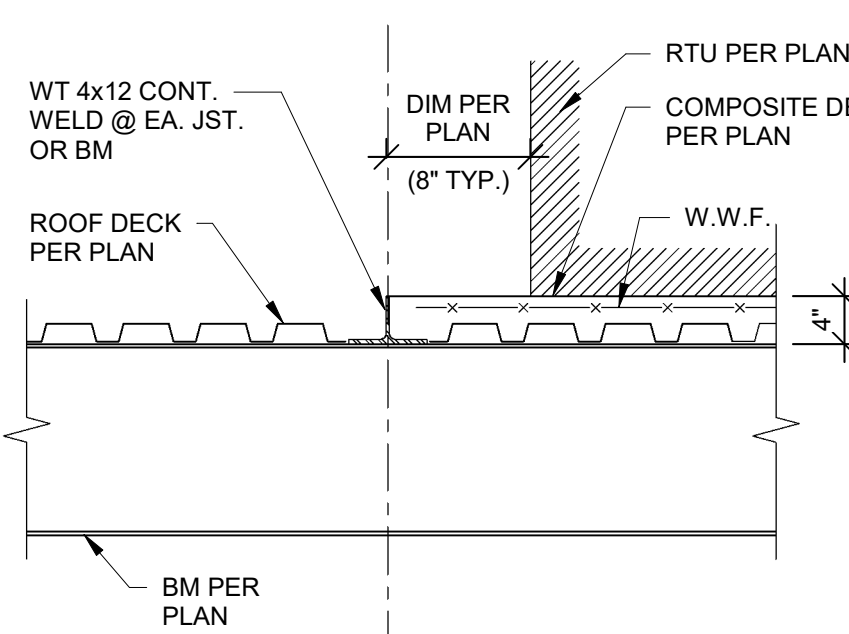


NOTES:

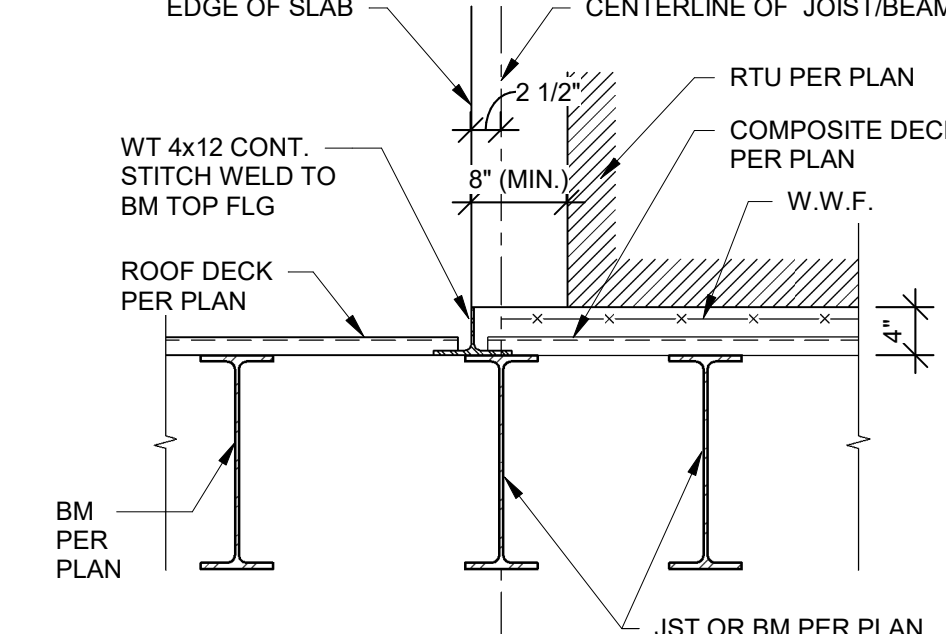
1. REFER TO GENERAL NOTES ON SHEET S0.1
2. NUMBER W/T PREFIX INDICATES TBM ELEVATION
3. G.C. SHALL VERIFY LOCATIONS OF ALL RTU EQUIP. SUPPORT & OPNG FRAMING BEAMS w/ EQUIP. MANUFACTURER. PROVIDE RTU CURB MECH. UNIT SUPPORT FRAMING PER DETAIL 1/54.0. ANY CONCENTRATED LOAD SUPPORTED AND/OR SUSPENDED BY BAR JOISTS SHALL BE IN CONFORMANCE WITH SAME DETAIL.
4. ELEV. = 100'-0" = DATUM ELEV. = 1003.5'
5. ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT DIPPED GALV.
6. ALL BAR JOIST SHALL BE DESIGNED FOR A NET UPLIFT (UNFACTORED FORCE DUE TO WIND) OF 20kpsf (10K1 JOIST DESIGN FOR 30kpsf NET UPLIFT)
7. PROVIDE ANGLE FRAME OR DECK REIN. PL. AT ALL OPENINGS THROUGH METAL DECK ROOF PER DETAIL 5 & 5A ON SHEET S4.0
8. REFER TO DETAIL 6/54.0 FOR WALL OPENING LINTEL FRAMING REQUIREMENTS AT EXTERIOR METAL STUD WALLS
9. STEEL SUPPLIER NOTE: WHEREVER POSSIBLE WF BEAM TO COLUMN CONN. SHALL BE FRAMED SUCH THAT WF BEAMS BEARS AT TOP COLUMN w/ 1/2" THK CAP PLATE & (4) 3/4" Ø BOLTS WHERE (4) BOLT CONN NOT POSSIBLE PROVIDE (2) 3/4" Ø BOLTS & WELD BASE PLATE AS SHOWN.
10. * - * - * INDICATES MOMENT CONNECTION DETAIL PER DETAIL 7/54.0 PROVIDE FULL PENETRATION WELD AT ALL HSS TO HSS CONNECTIONS INDICATED AS SUCH. U.N.O.
11. SPLICE ALL CONTINUOUS ROOF DECK EDGE ANGLES/BENT PLATES PER DETAIL 8/54.0
12. AT ROOFTOP RTU CONCRETE SLABS PROVIDE FRAMING AT ROOF OPENINGS PER SECTION 2/52.1
13. REFER TO SECTION 5/54.0 FOR SUPPORT OF EQUIPMENT BOOMS & SURGICAL LIGHTS IN OPERATING ROOMS & PROCEDURE ROOMS. RE: ARCHITECTURAL DRAWINGS FOR EXTENT & LOCATION OF LIGHTS/BOOMS. GENERAL CONTRACTOR VERIFY ALL INSTALLATIONS w/ EQUIPMENT SPECS.
14. STEEL SUPPLIER DESIGN NORTH-SOUTH SPANNING BM END CONNECTIONS FOR UNFACTORED (ASD) AXIAL LOAD SHOWN IN PLAN (TENSION OR COMPRESSION).



2 SECTION
3/4\"/>



3 SECTION
3/4\"/>



4 SECTION
3/4\"/>

STRUCTURAL DECK & SLAB SCHEDULE	
MARK	DESCRIPTION
RD-1	1 1/2\"Dp - 22ga GALV WIDE RIB ROOF DECK (3 SPAN CONT) EXAMPLE: VULCRAFT 1.58-22 (OR EQUAL) PROVIDE 5/8\" Ø PUDDLE WELDS IN 36\" PATTERN (AND @ 6\" OC @ SUPPORTS PARRALLEL TO DECK SPAN) w/ (6) #10 TEK-SCREW SIDE-LAP FASTENER PER SPAN (@ 6\" OC MAX) SO AS TO DEVELOP 540psi (ASD) DIAPHRAGM SHEAR CAPACITY (MINIMUM) DUE TO WIND.
RD-2	1 1/2\"Dp - 20ga GALV WIDE RIB ROOF DECK (3 SPAN CONT) EXAMPLE: VULCRAFT 1.58-20 (OR EQUAL) PROVIDE 5/8\" Ø PUDDLE WELDS IN 36\" PATTERN (AND @ 6\" OC @ SUPPORTS PARRALLEL TO DECK SPAN) w/ (1) #10 TEK-SCREW SIDE-LAP FASTENER PER SPAN SO AS TO DEVELOP 350psi (ASD) DIAPHRAGM SHEAR CAPACITY (MINIMUM) DUE TO WIND.
SOG-1	4\" CONC SLAB ON GRADE ATOP 15 MIL VAPOR BARRIER OVER 4\" LAYER OF COMPACTED FREE-DRAINING GRANULAR FILL OVER 24\" THK LAYER OF LOW-VOLUME CHANGE MATERIAL (PER SOILS REPORT) ON COMPACTED ENGINEERED SUBGRADE SOILS (PER SOIL REPORT). REIN. SLAB w/ 6x6 - W2.1xW2.1 W.W.F. T/SLAB EL PER PLAN
CD-1	4\" CONC SLAB: 2 1/2\" LT. WT. CONC. SLAB ATOP 1 1/2\"Dp - 22ga (GALV.) COMPOSITE FLOOR DECK. REIN. W/ 6x6-W2.1xW2.1 W.W.F. T/SLAB EL. VARIES. PROVIDE DECK FASTENERS TO SUPPORT & SIDE-LAP FASTENERS PER \"RD-1\".

- NOTES:
1. SOG = SLAB-ON-GRADE TYP.
 2. RD = ROOF DECK TYP.
 3. CD = COMPOSITE SLAB.

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1950 SE Shenandoah Drive
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Revision
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3 3/8/23 Addendum #3

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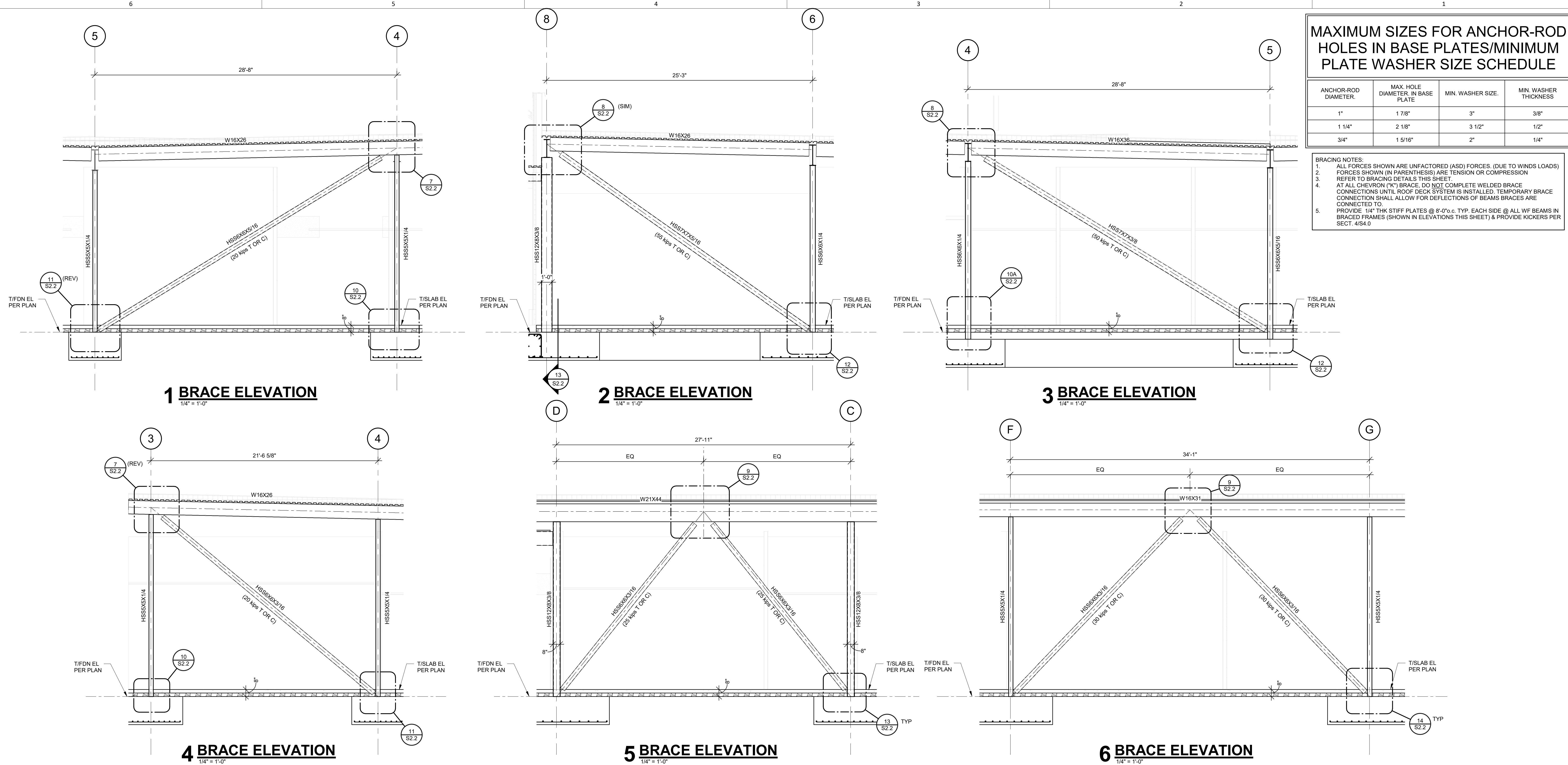
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Bob D. Campbell & Co.
4338 Bellevue
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT

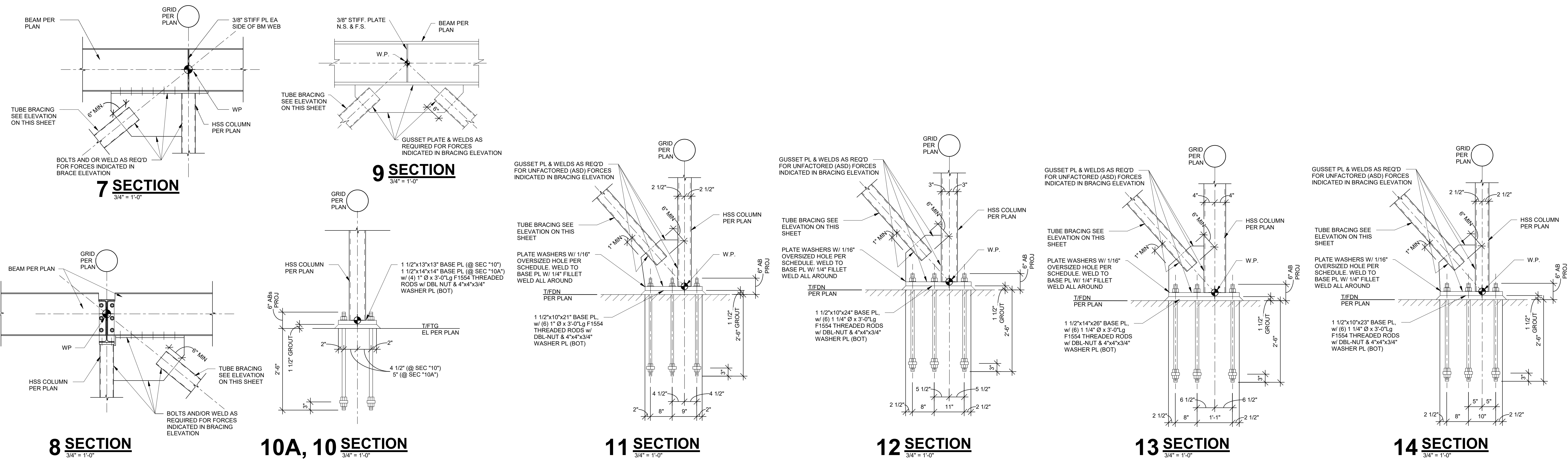
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913.951.8311



MAXIMUM SIZES FOR ANCHOR-ROD HOLES IN BASE PLATES/MINIMUM PLATE WASHER SIZE SCHEDULE			
ANCHOR-ROD DIAMETER.	MAX. HOLE DIAMETER, IN BASE PLATE	MIN. WASHER SIZE.	MIN. WASHER THICKNESS
1"	1 7/8"	3"	3/8"
1 1/4"	2 1/8"	3 1/2"	1/2"
3/4"	1 5/16"	2"	1/4"

BRACING NOTES:

1. ALL FORCES SHOWN ARE UNFACTORED (ASD) FORCES. (DUE TO WINDS LOADS)
2. FORCES SHOWN (IN PARENTHESES) ARE TENSION OR COMPRESSION
3. REFER TO BRACING DETAILS THIS SHEET.
4. AT ALL CHEVRON ("K") BRACE, DO NOT COMPLETE WELDED BRACE CONNECTIONS UNTIL ROOF DECK SYSTEM IS INSTALLED. TEMPORARY BRACE CONNECTION SHALL ALLOW FOR DEFLECTIONS OF BEAMS BRACES ARE CONNECTED TO.
5. PROVIDE 1/4" THK STIFF PLATES @ 8'-0" o.c. TYP. EACH SIDE @ ALL WF BEAMS IN BRACED FRAMES (SHOWN IN ELEVATIONS THIS SHEET) & PROVIDE KICKERS PER SECT. 4.3s4.0



A C I
B O L A N D
ARCHITECTS

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Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

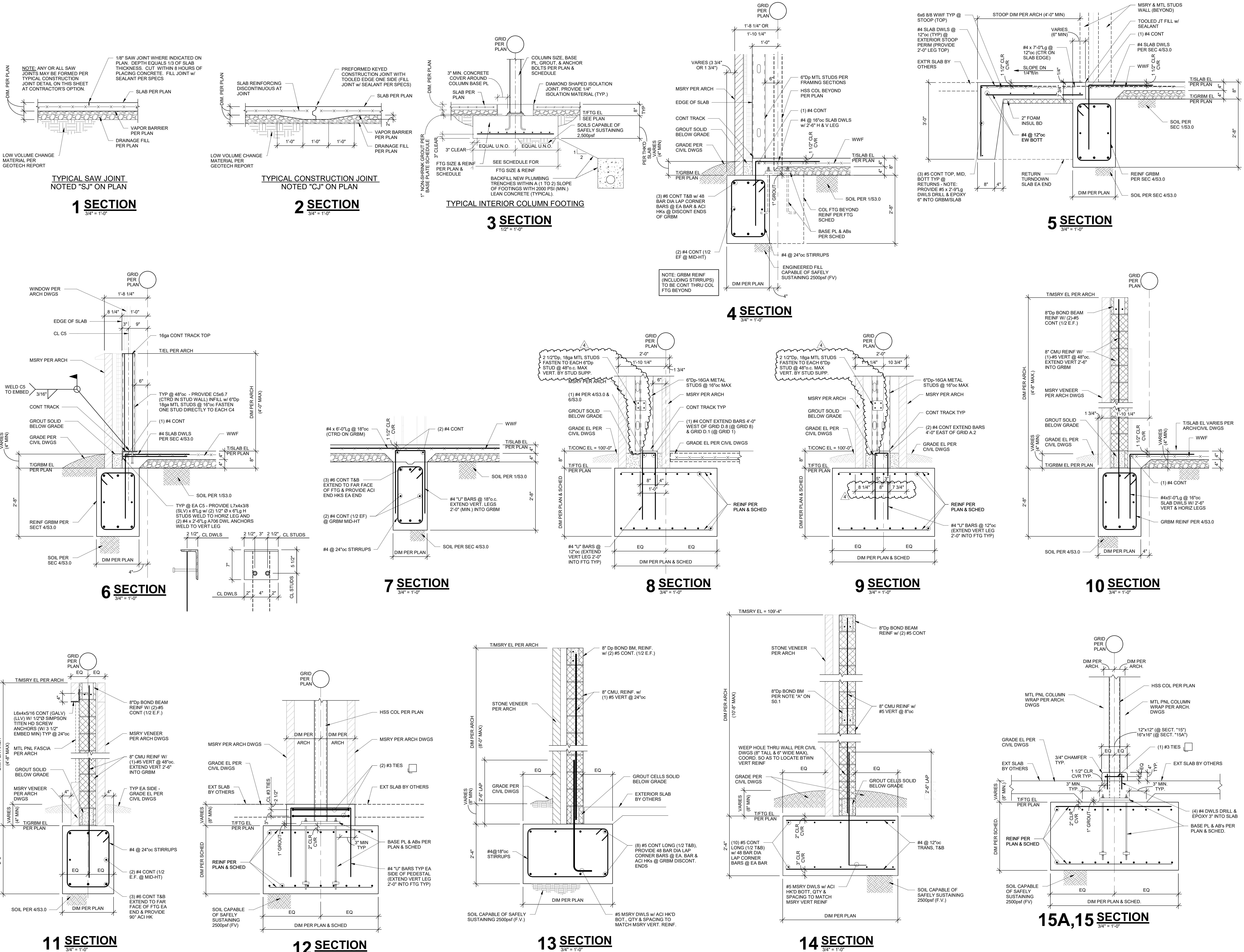
Date 02/08/23
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Revision		
Number	Date	Description

S2.2

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BRACING ELEVATIONS



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Job Number 3-22030
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Revision
Number 4 Date 12/07/23 Description ASI - #3

S3.0
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FOUNDATION SECTIONS


$$\frac{3}{4}'' = 1'-0''$$


1" = 1'-0"



3/4" = 1'-0"


$$1\frac{1}{2}'' = 1\frac{1}{4}''$$


3/4" = 1'-0"

3/4" = 1'-0"



TYPICAL EXTERIOR LINTEL & OPNG FRAMING U.N.O.

$$\frac{3}{4}'' = 1'-0''$$

$$1\frac{1}{2}'' = 1'$$

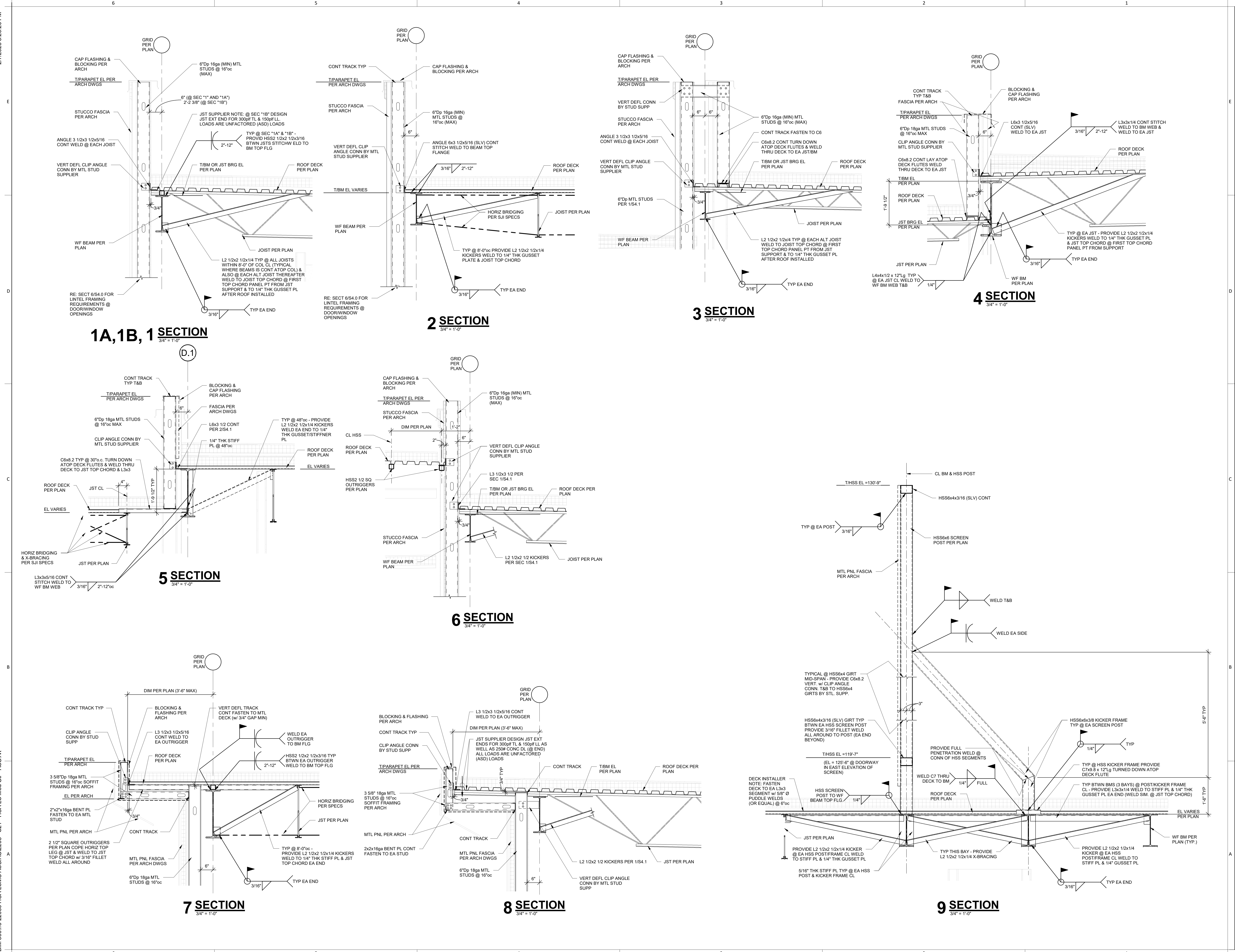

$3/4" = 1'-0"$



○

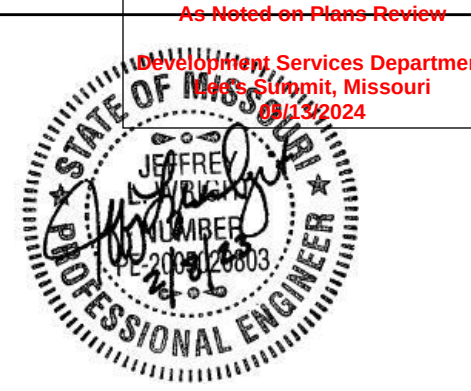
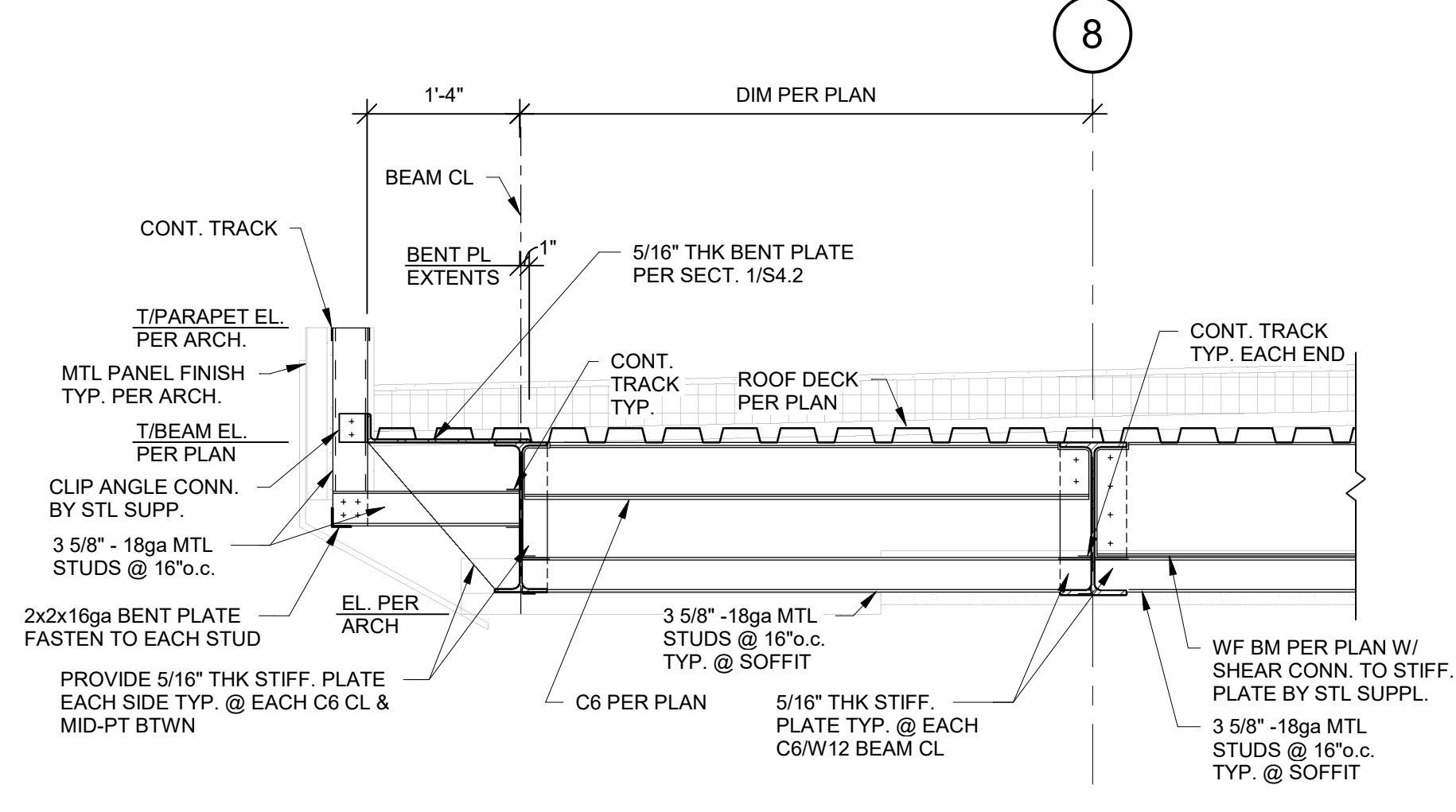
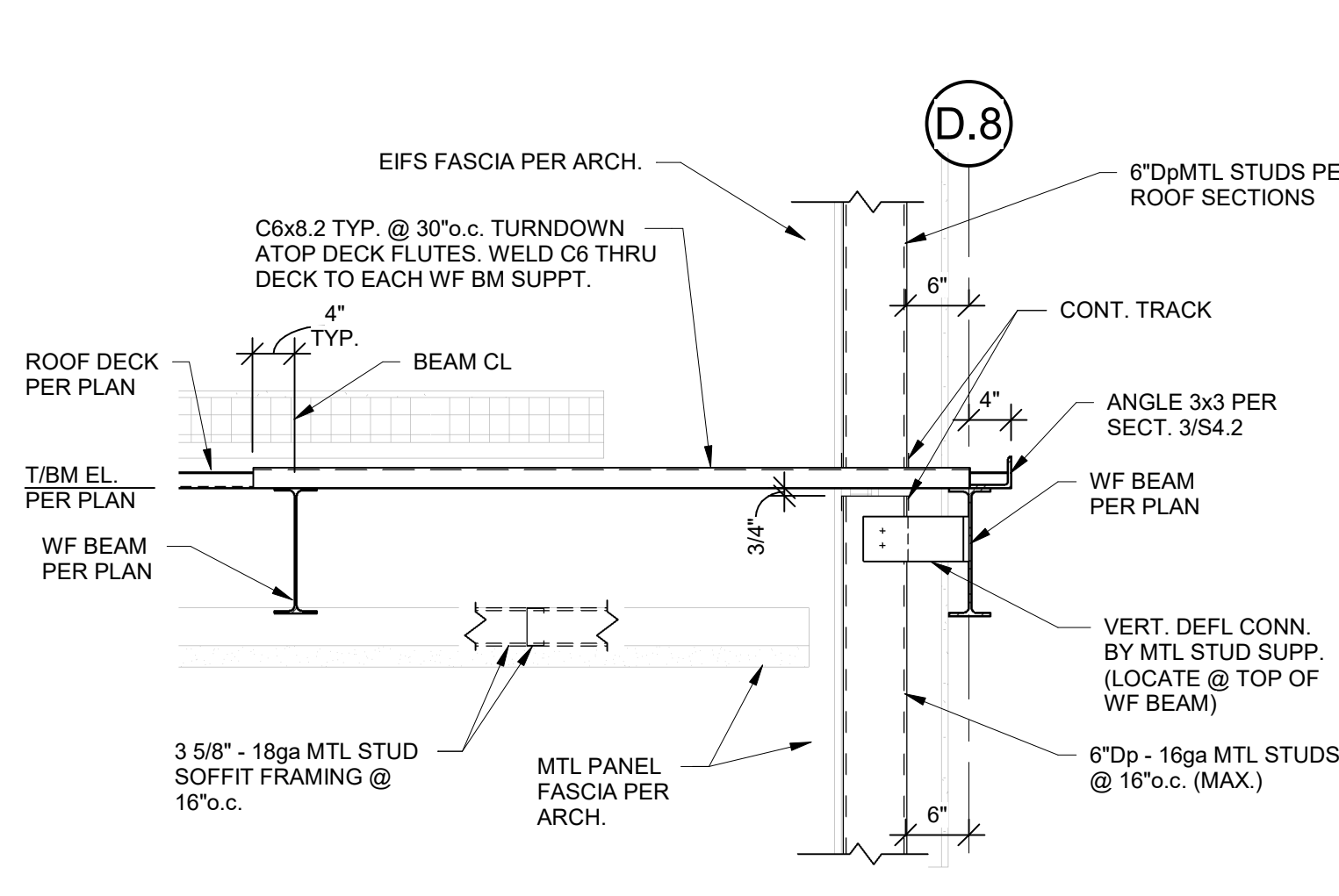
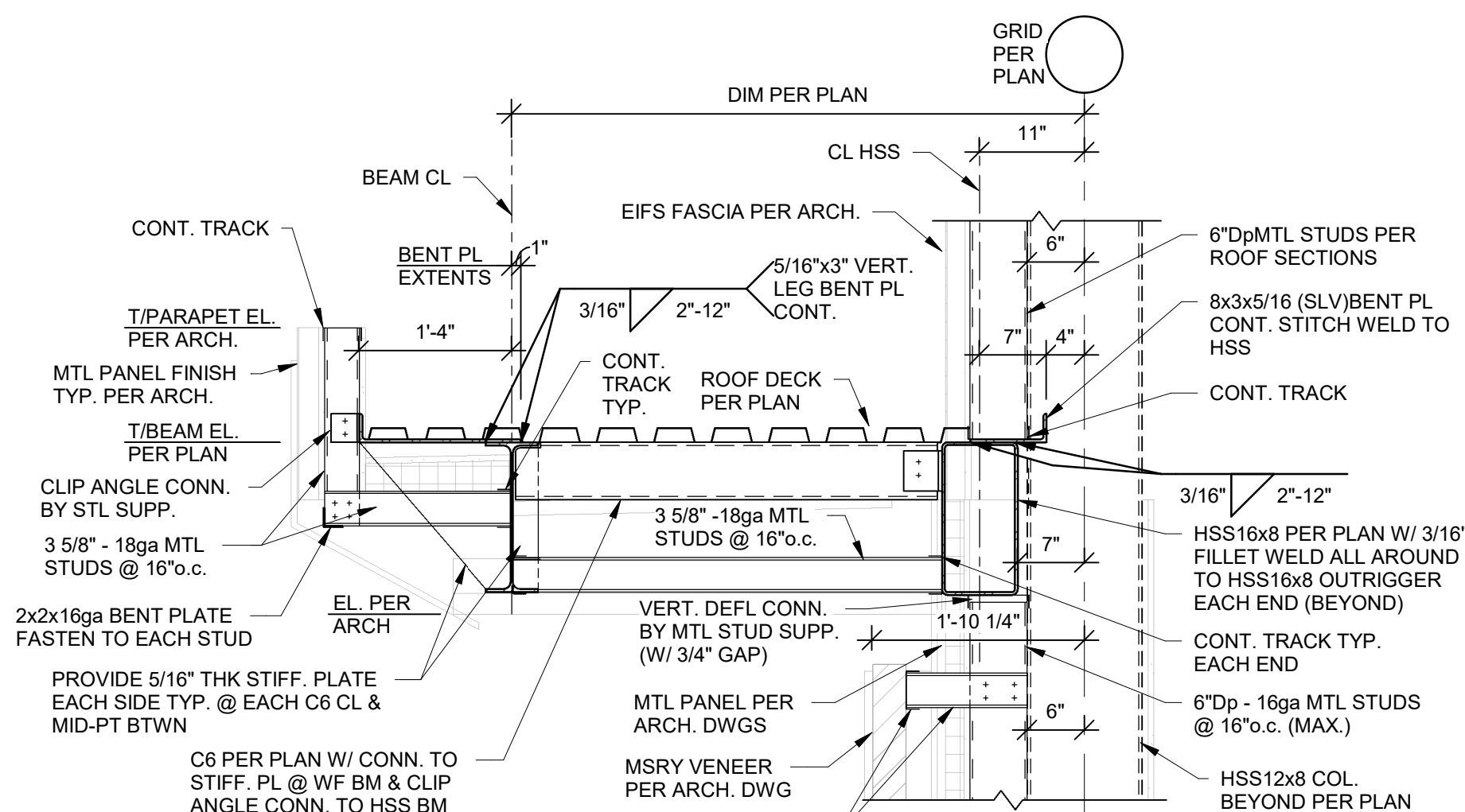
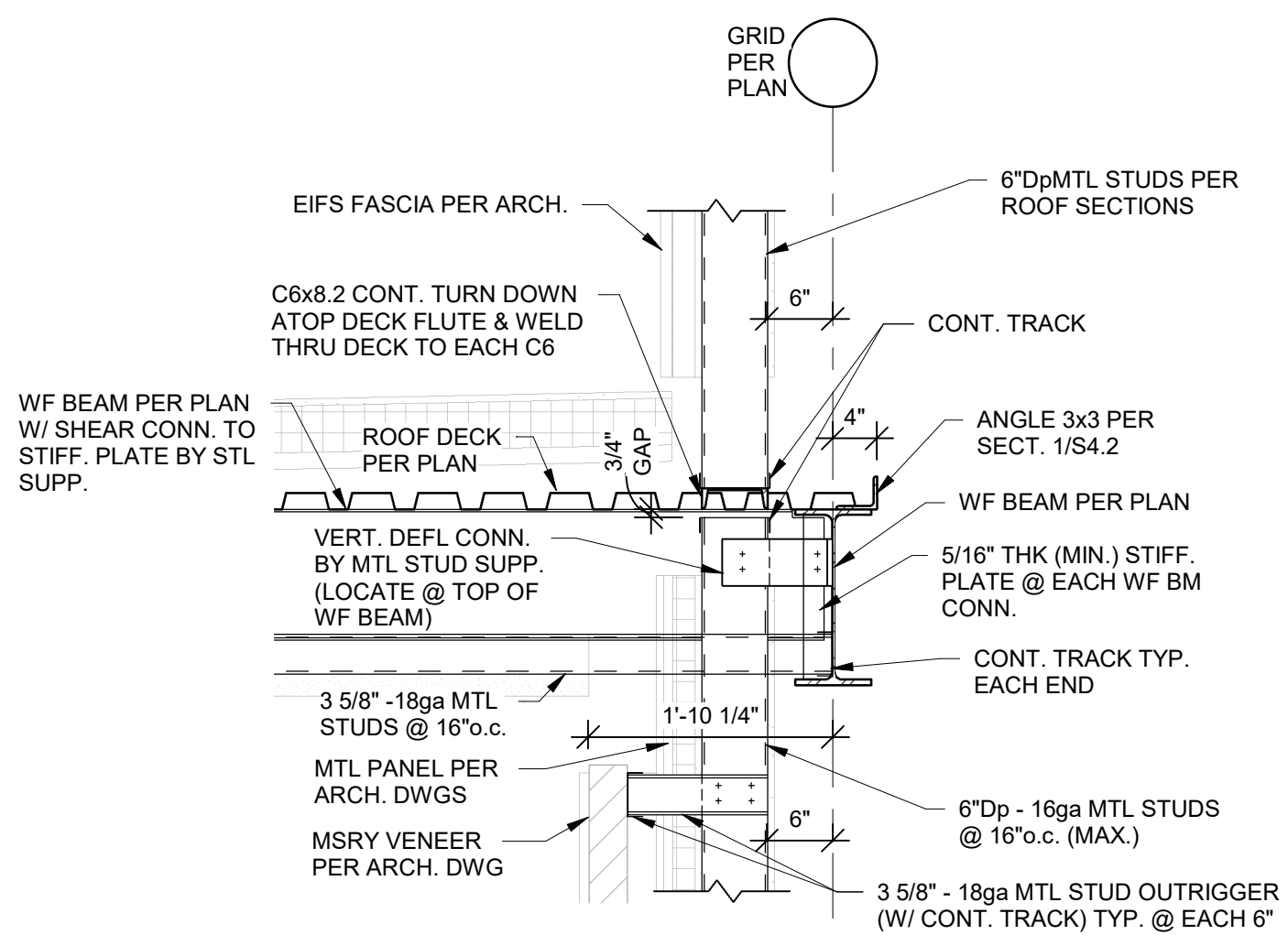
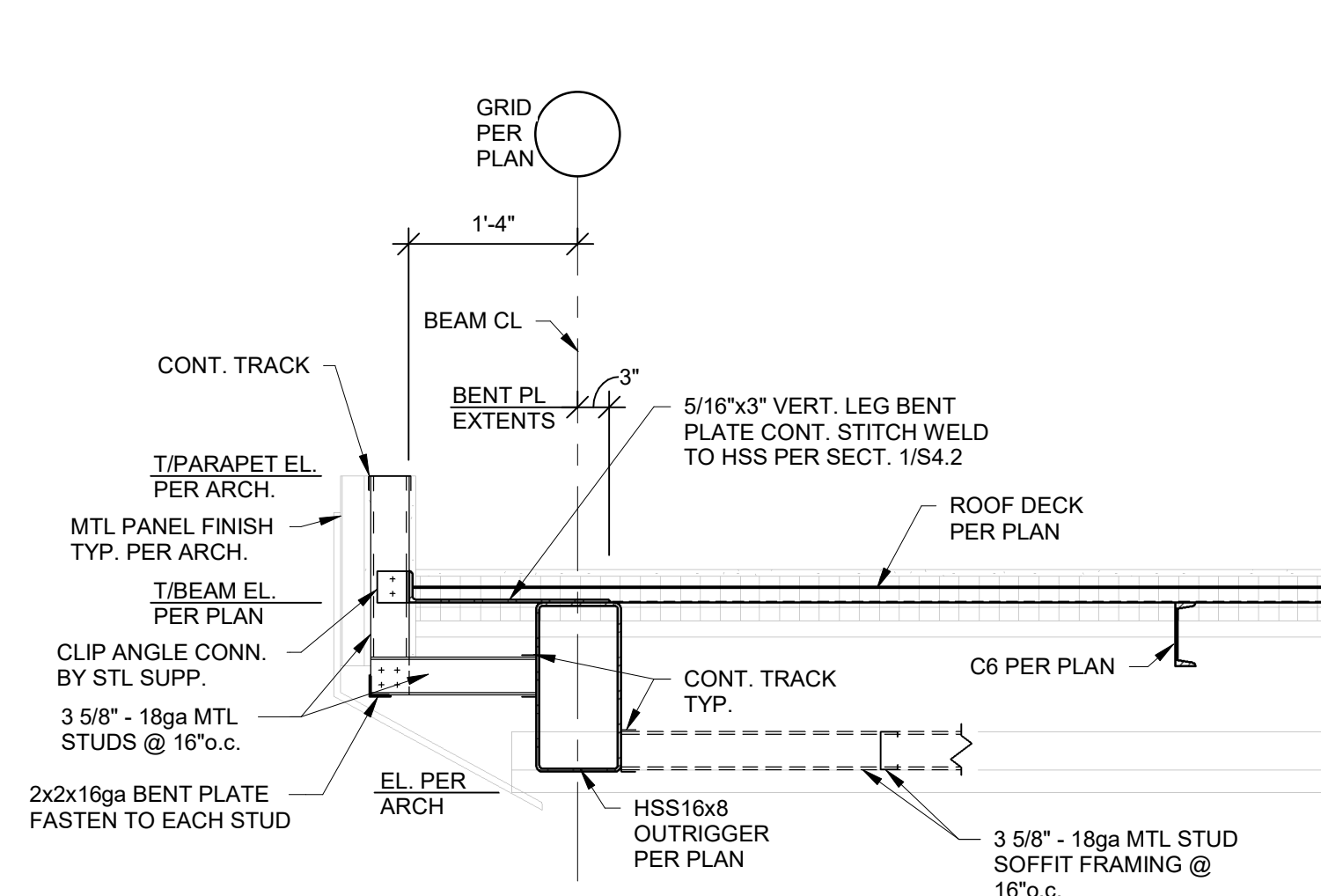
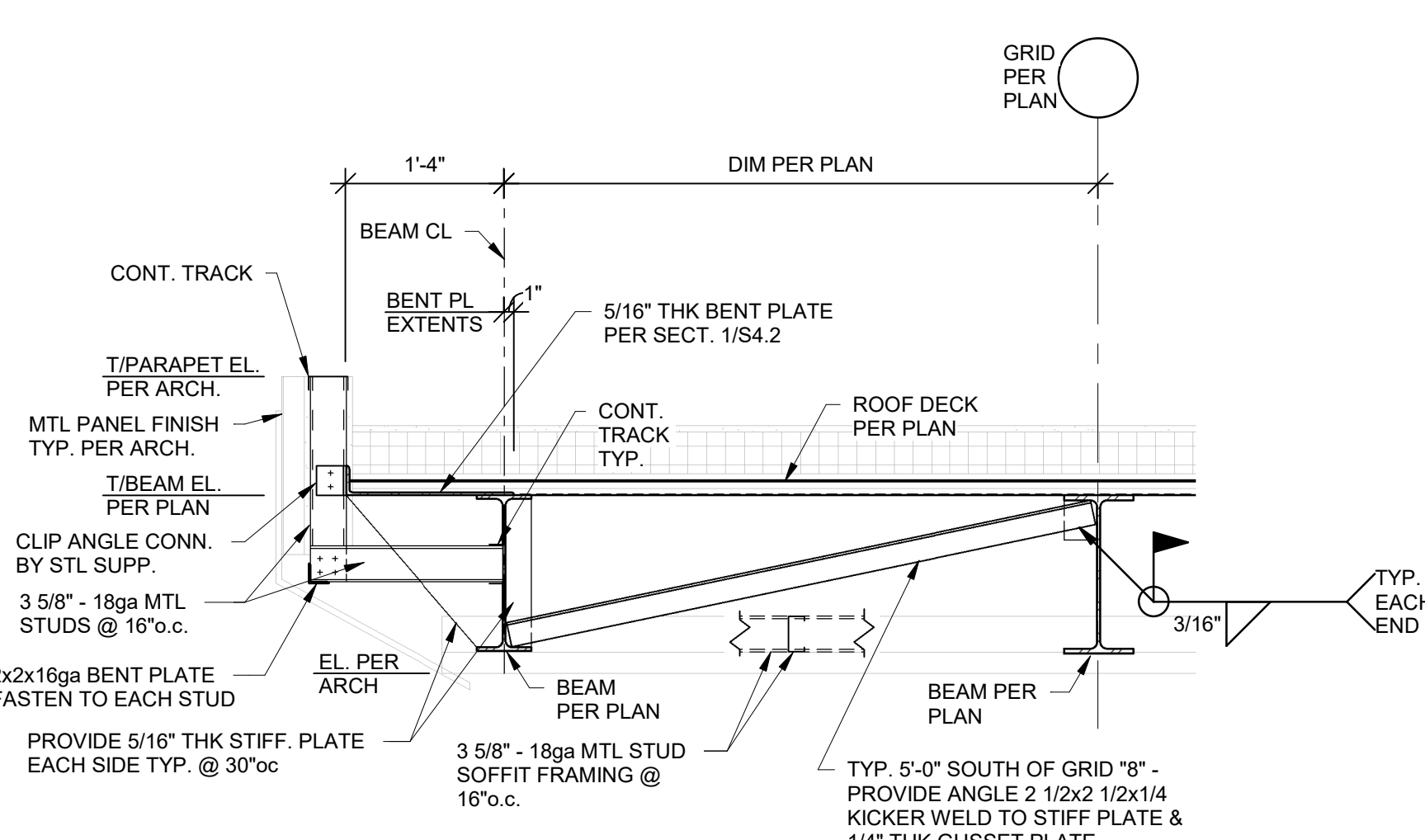
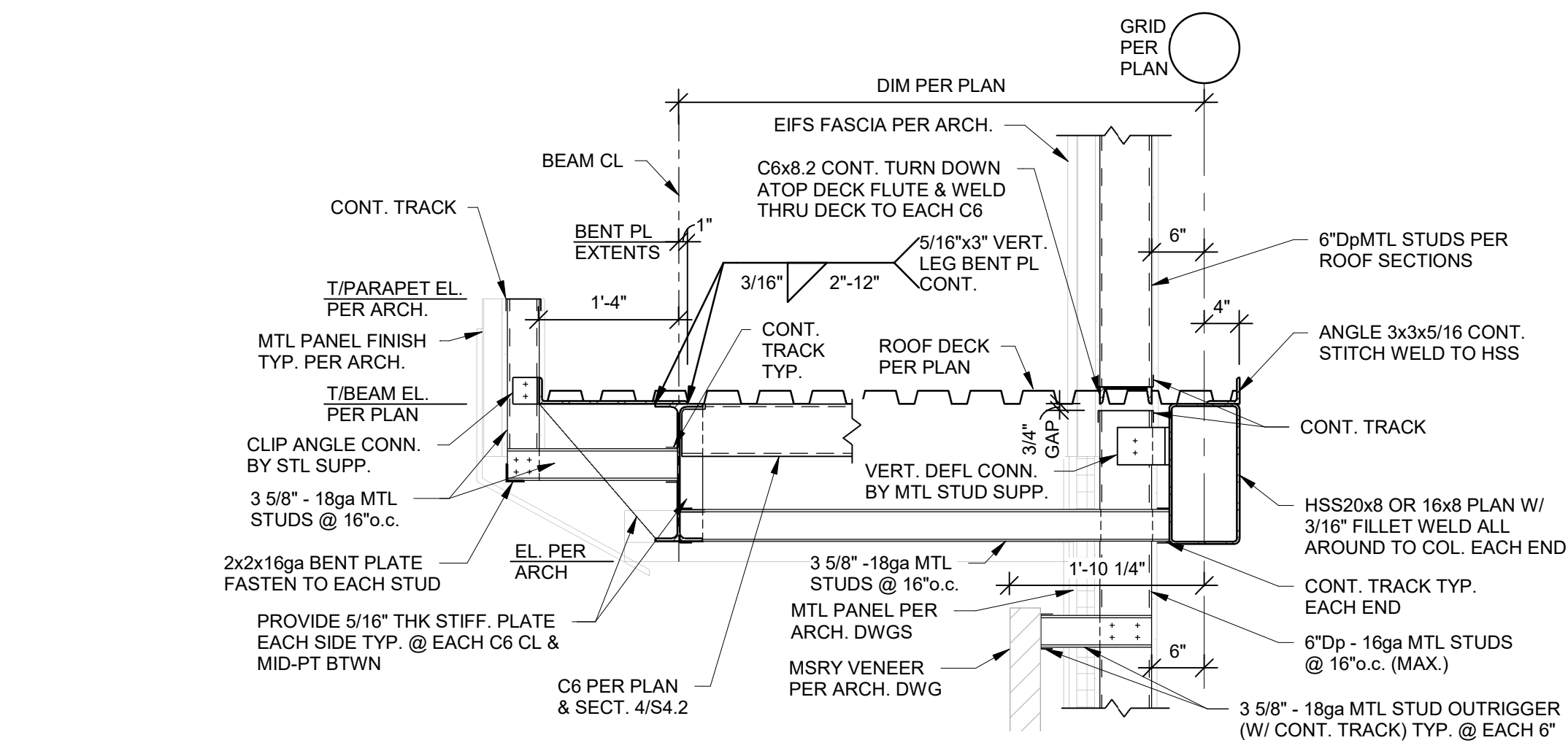
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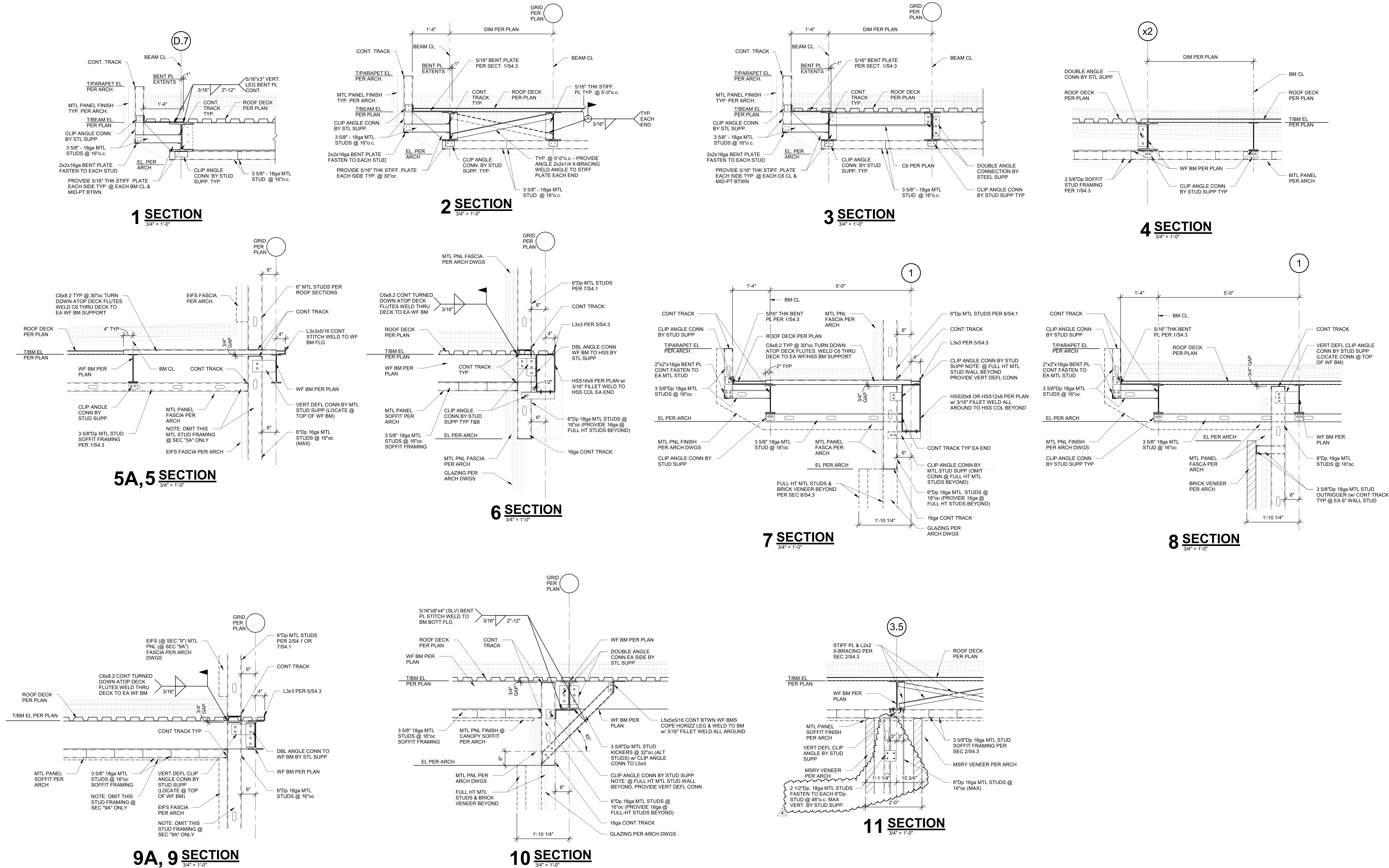
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Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
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Date	02/08/23
Job Number	3-22030
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Number	Date	Description



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Professional Engineer
ACI BOLD ARCHITECTS

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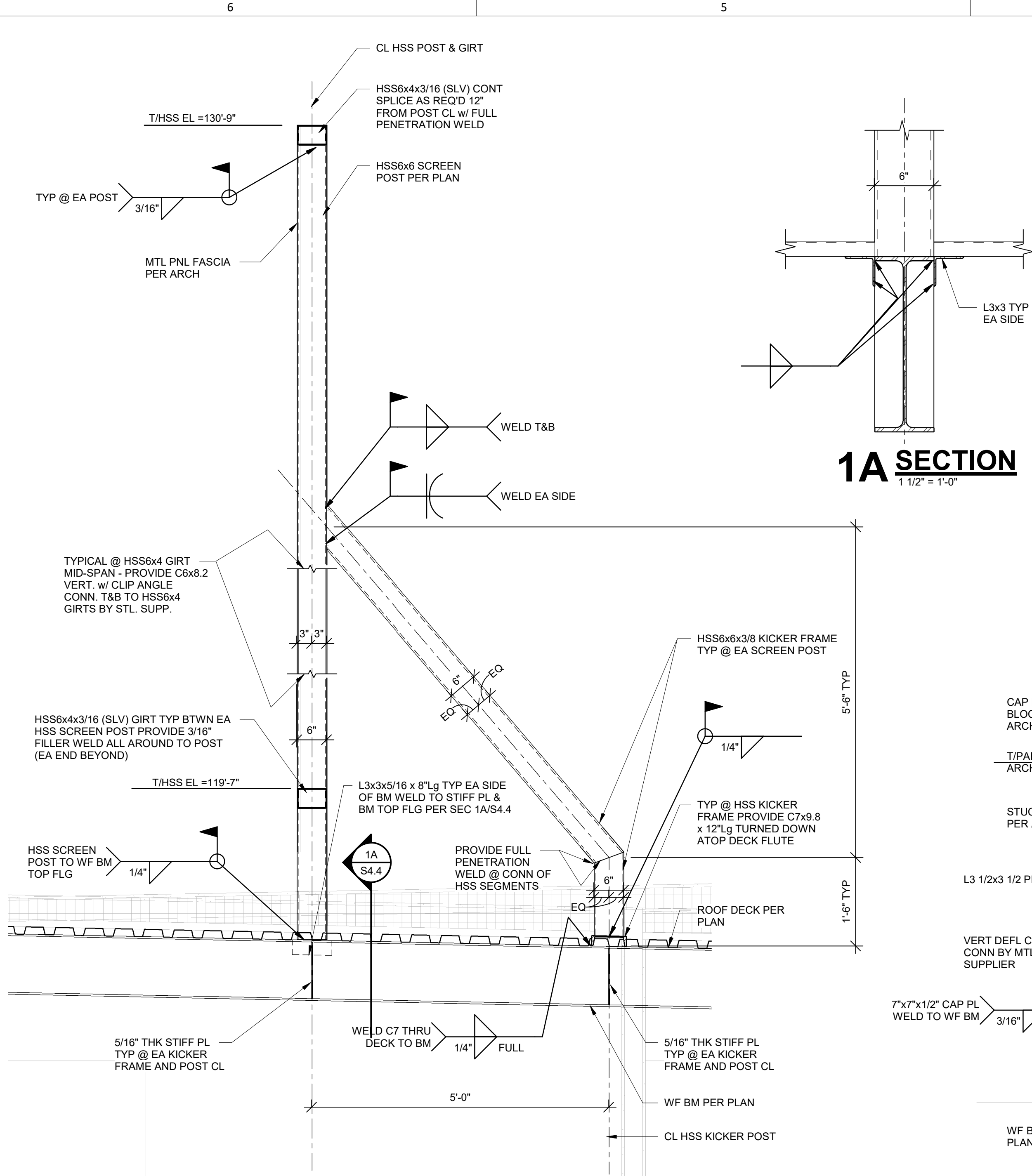
Date	02/08/23
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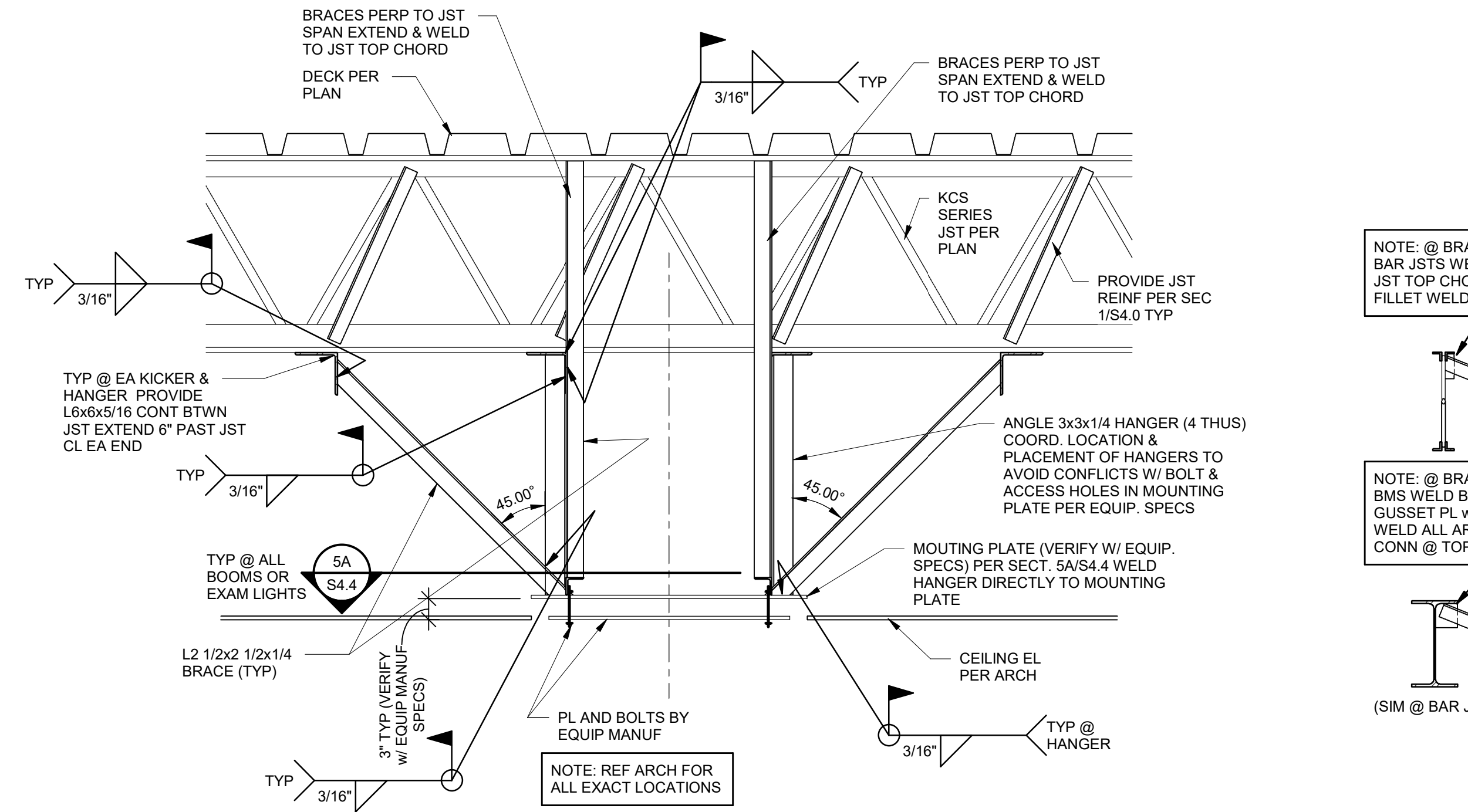
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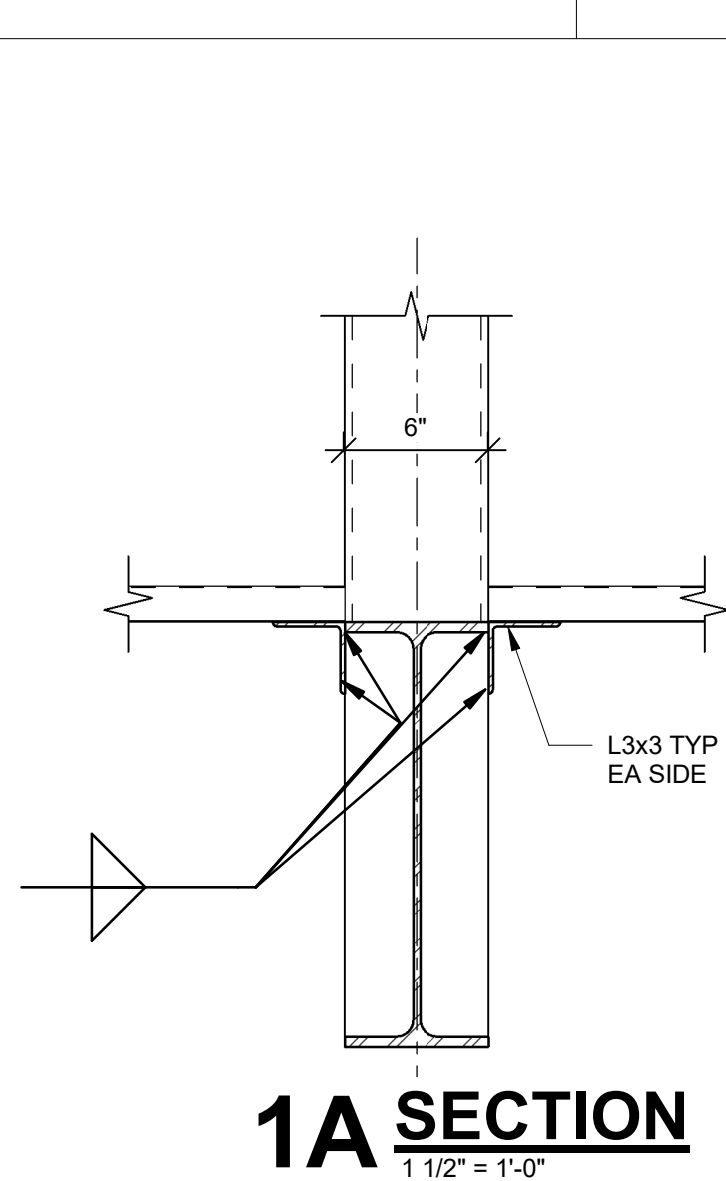
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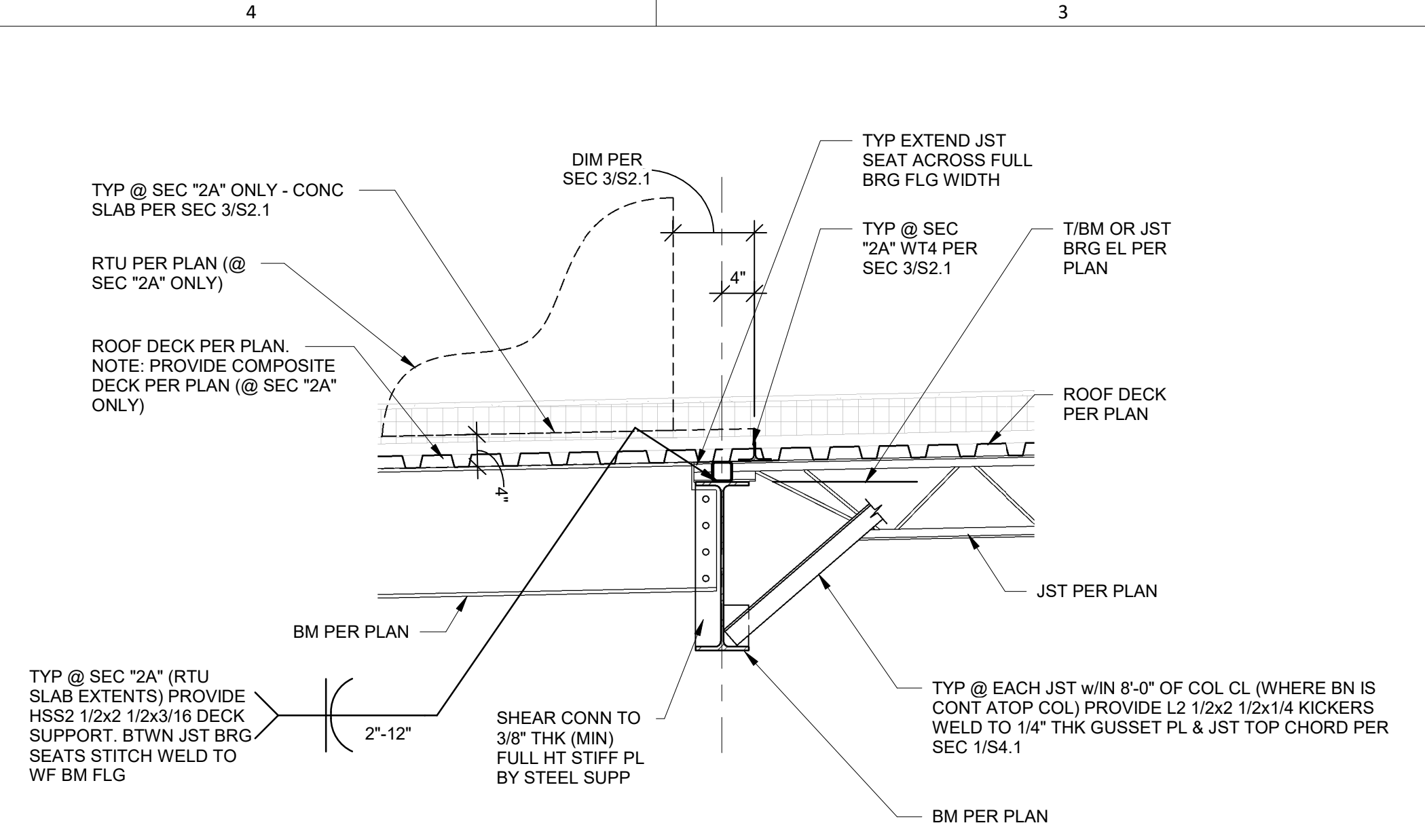
1 SECTION
3/4" = 1'-0"



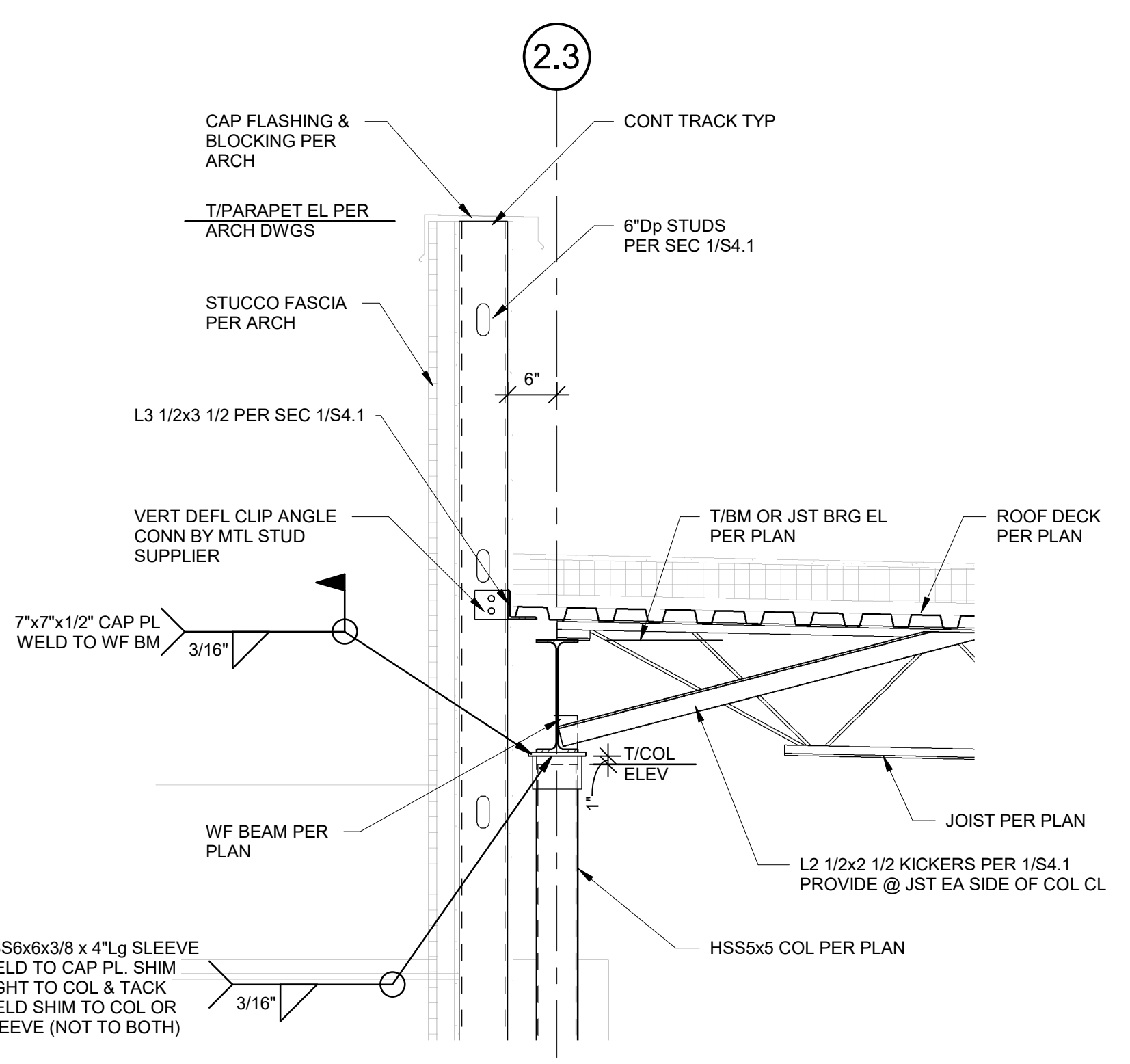
5 SECTION
3/4" = 1'-0"



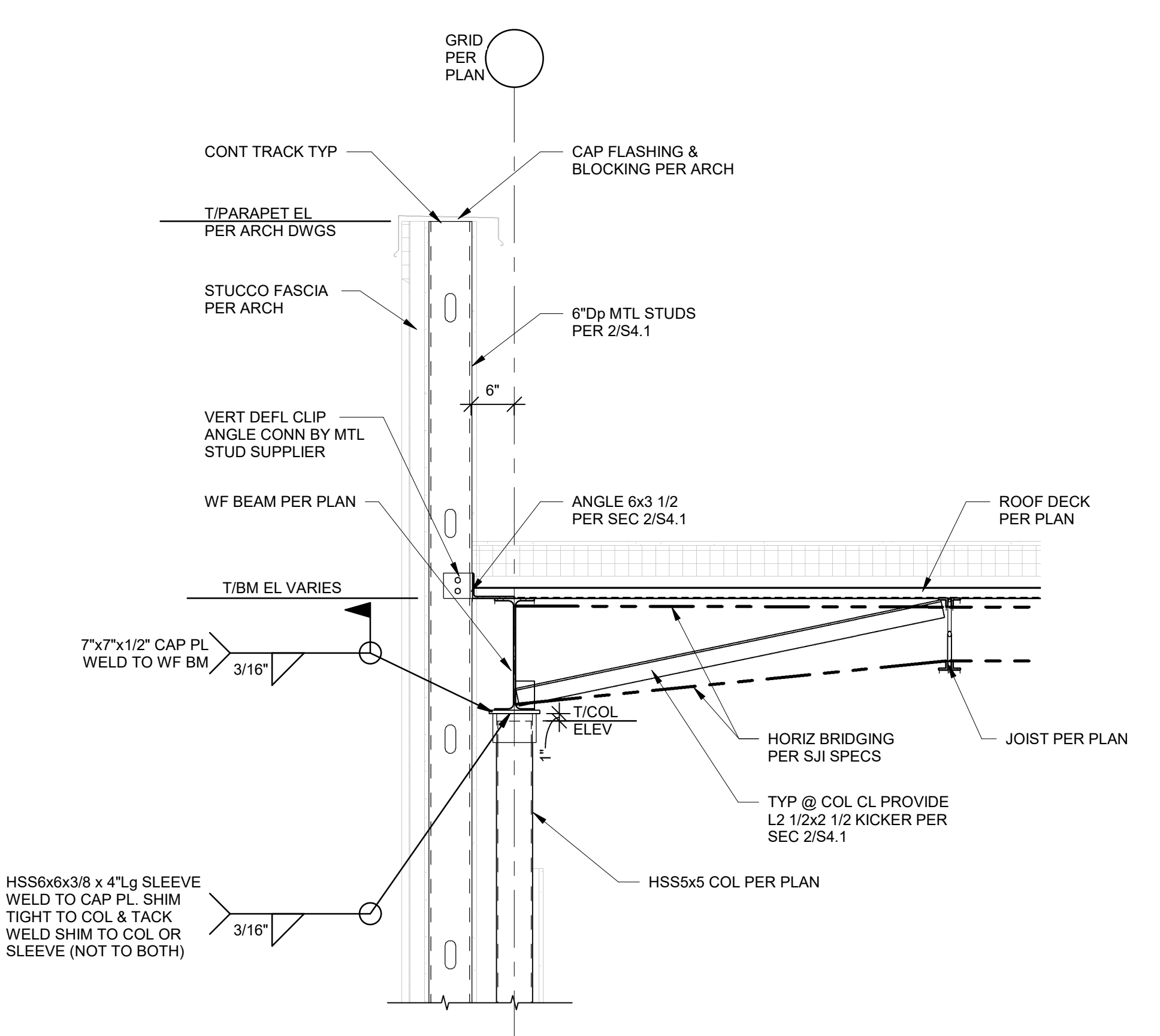
1A SECTION
1 1/2" = 1'-0"



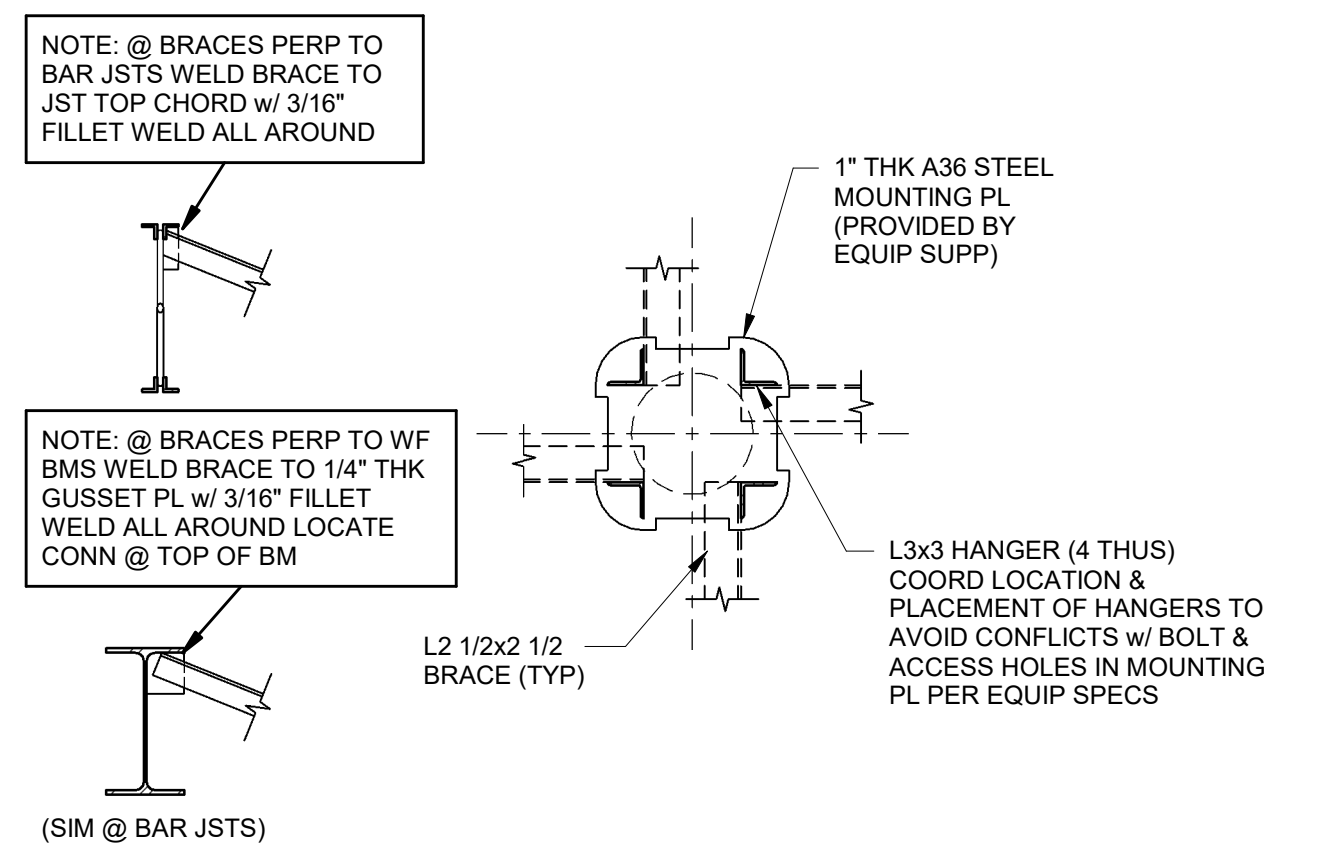
2A,2 SECTION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"

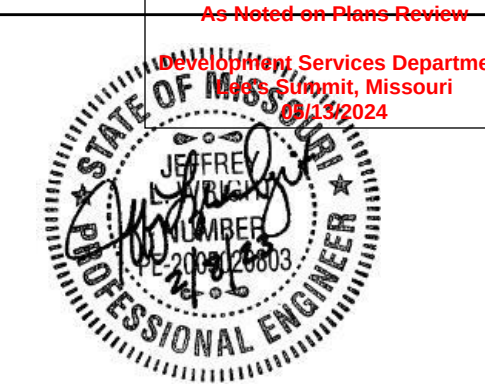


4 SECTION
3/4" = 1'-0"



TYPICAL AT STRYKER SINGLE COMMON PLATE MOUNT
(MAX WEIGHT = 1100#; MAX MOMENT = 5.65kip*ft)

5A SECTION
3/4" = 1'-0"



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1950 SE Shenandoah Drive
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Date	02/08/23
Job Number	3-22030
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Revision		



KEYNOTES - FLOOR PLAN TI

Key Value	Keynote Text
F-1	BUILT IN MILLWORK FIN-TUBE ENCLOSURE
F-5	CONSULT BAY GLASS
F-7	BUILT-IN MEDIA CENTER SURROUND COLUMN WRAP



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License - Missouri #A-2011012130

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Date 02/08/23
Job Number 3-22030
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Number	Date	Description
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
5	11/8/23	ASI 2
6	12/7/23	ASI 3
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A2.2

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ENLARGED ANNOTATION PLAN - AREA A

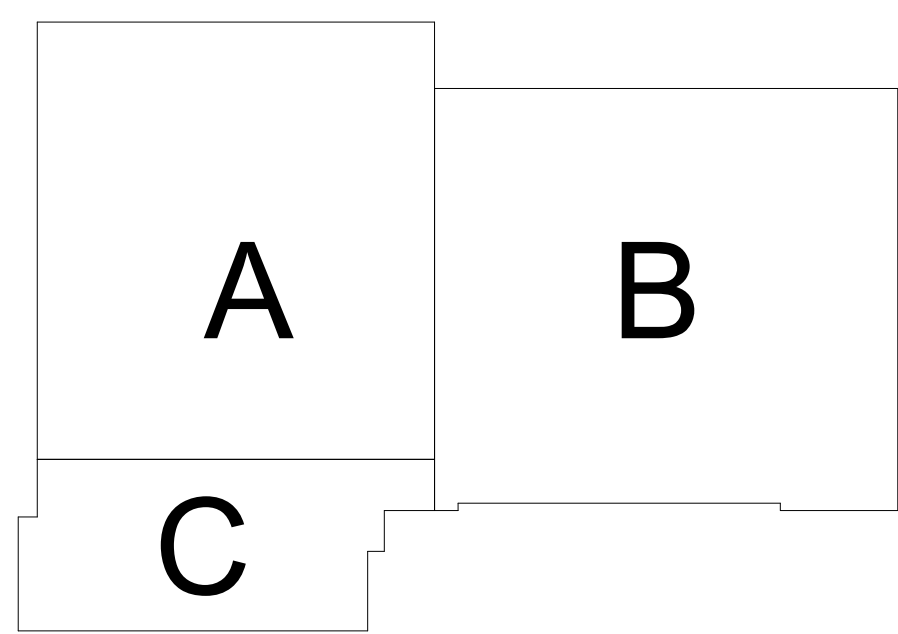
A1 FIRST FLOOR ENLARGED PLAN - AREA A

1/4" = 1'-0"





A1 FIRST FLOOR ENLARGED PLAN - AREA B
1/4" = 1'-0"



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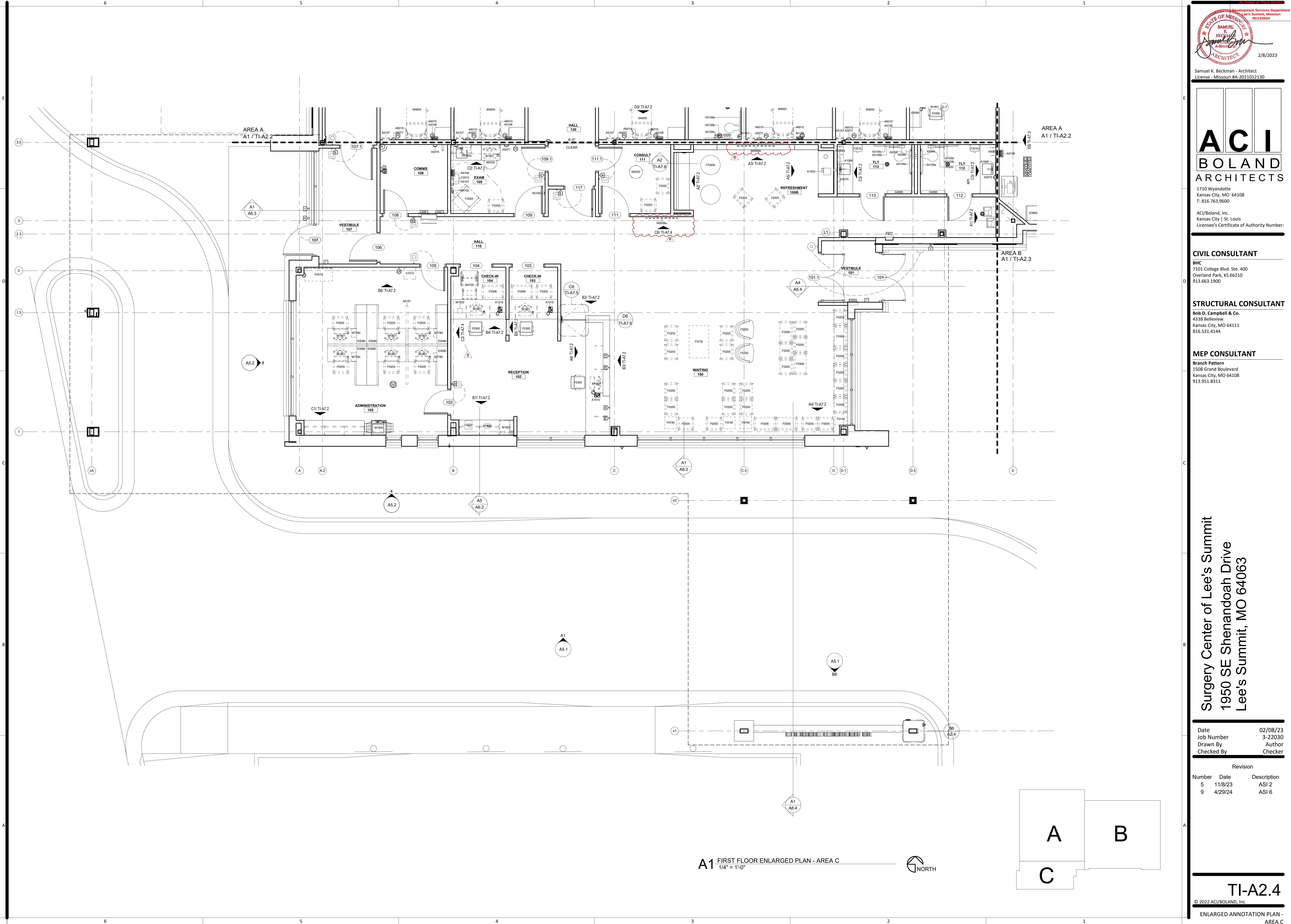
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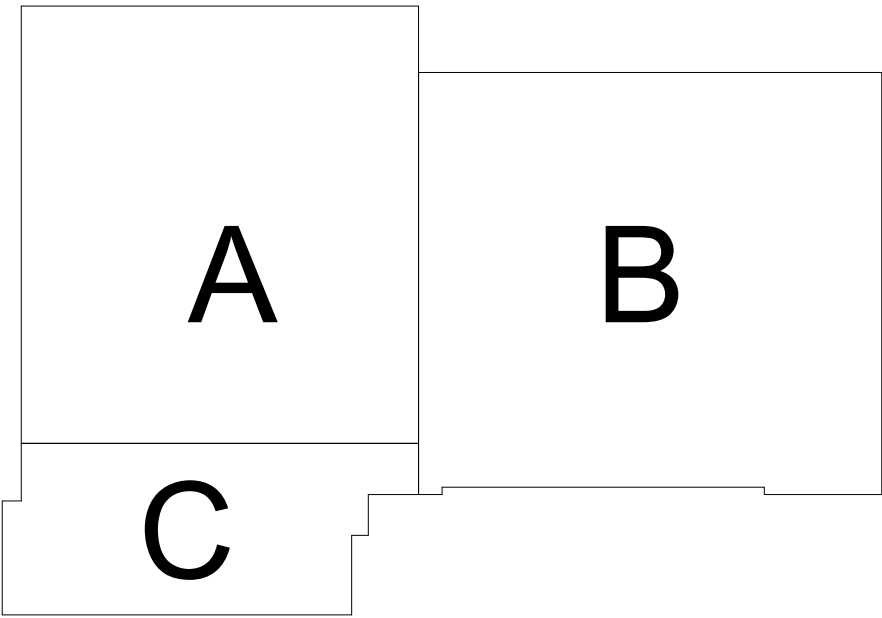
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Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A2.3

ENLARGED ANNOTATION PLAN -
AREA B



A1 FIRST FLOOR ENLARGED PLAN - AREA C
1/4" = 1'-0"



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Revision
Number Date Description
5 11/8/23 ASI 2
9 4/29/24 ASI 6

TI-A2.4

ENLARGED ANNOTATION PLAN - AREA C

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Development Services Department
Lee's Summit, Missouri
04/13/2024

2/8/2023

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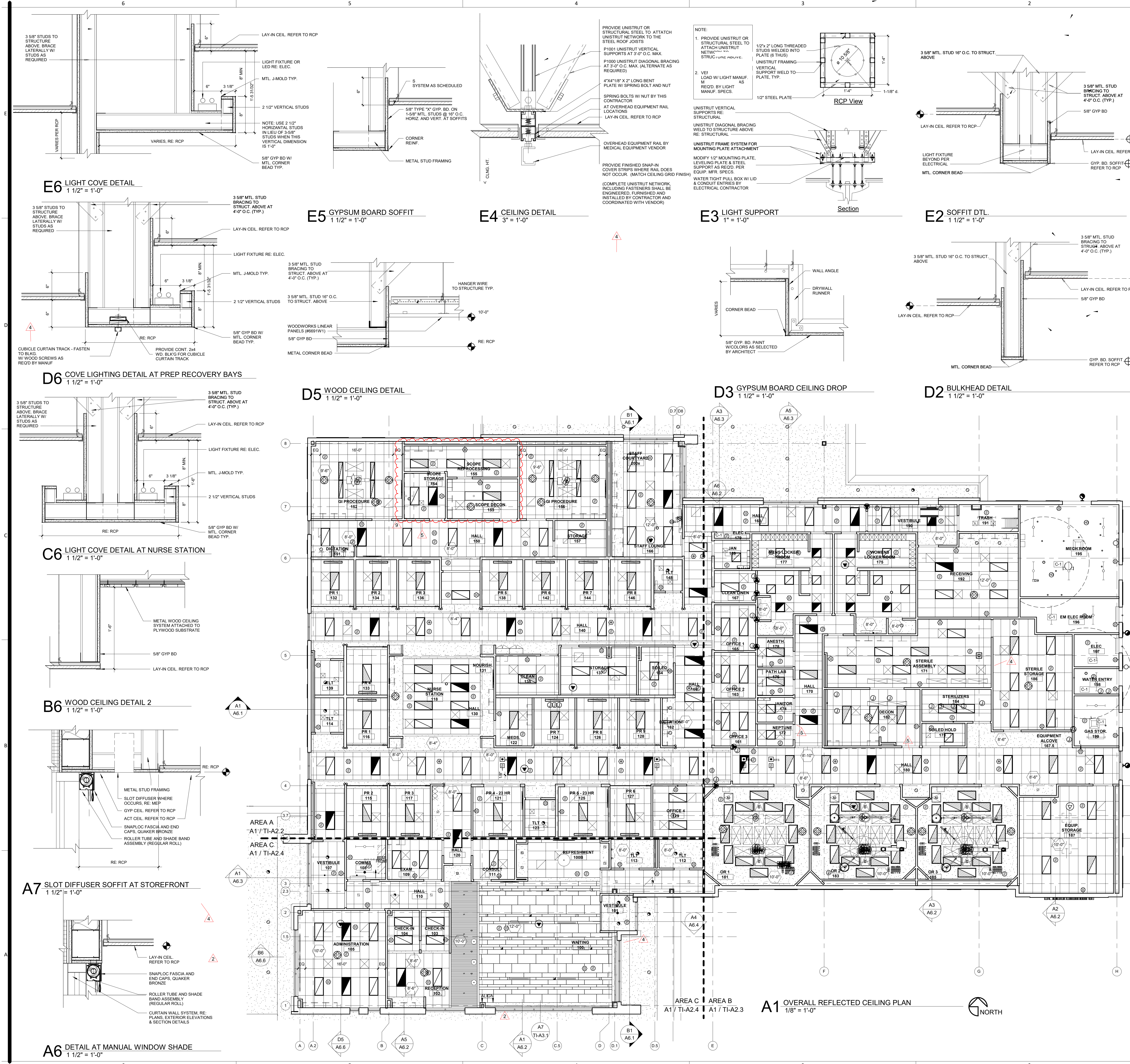
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REFLECTED CEILING NOTES

- EXISTING MEPP DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES.
- CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
- PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-4) UNLESS NOTED OTHERWISE.
- THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
- CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
- SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.
- REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
- ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

CEILING LEGEND

	RECESSED CAN LIGHT FIXTURE RE: ELECT
	2X4 RECESSED SURFACE LIGHT FIXTURE RE: ELECT
	2X2 RECESSED SURFACE LIGHT FIXTURE RE: ELECT
	SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
	PENDANT LIGHT FIXTURE RE: ELECT
	WALL SCONCE LIGHT FIXTURE RE: ELECT
	2X4 RECESSED SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
	2X4 RECESSED SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
	GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
	EIFS
	2X2X2 1/4 LAY-IN ACOUSTICAL CEILING
	EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
	EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
	SUPPLY AIR GRILLE RE: MECH
	RETURN AIR OR EXHAUST GRILLE RE: MECH
	SOFFIT HEIGHT
	CEILING HEIGHT

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGN/FLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT. ES-1.
C-4	METAL PANEL SOFFIT. MP-1.
C-5	EXTERIOR LIGHTING FIXTURE. RE: ELECTRICAL

TI-A3.1

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FIRST FLOOR REFLECTED CEILING PLAN

RELEASED FOR CONSTRUCTION
AT 10:53:40 AM 04/30/2024

Development Services Department
Lee's Summit, Missouri
04/30/2024

2/8/2023

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Date 02/08/23
Job Number 3-22030
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Checked By Checker

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

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FIRST FLOOR REFLECTED CEILING PLAN



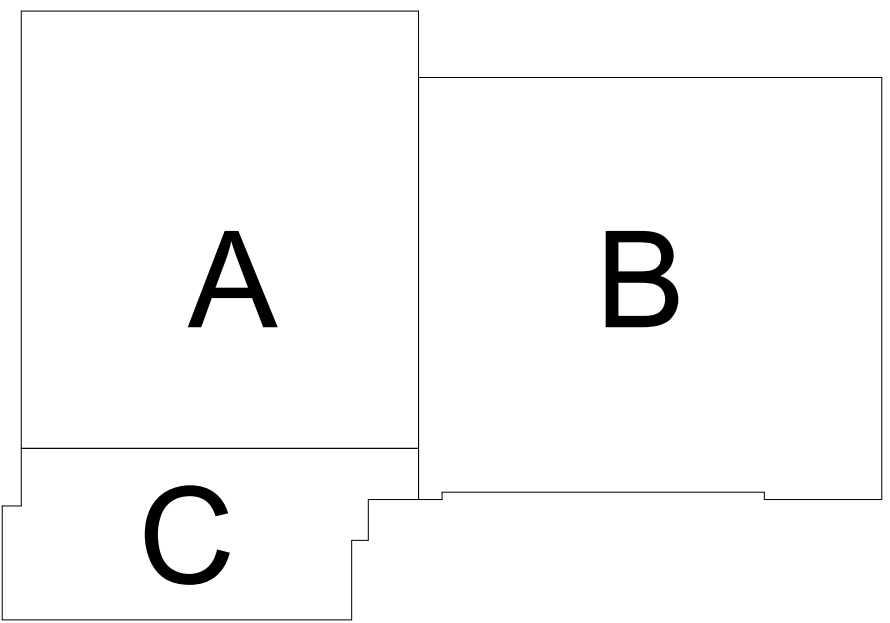
CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- ◇ PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARACUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 2X2/2x4 LAY-IN ACOUSTICAL CEILING
- ⊗ EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
- ⊗ EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- ⊗ SUPPLY AIR GRILLE RE: MECH
- RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0" SOFFIT HEIGHT
- 9'-0" CEILING HEIGHT

REFLECTED CEILING NOTES

- EXISTING MEFPF DEVICES SHOWN ARE BASED ON DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES.
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- CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
- SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.
- REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
- ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND - RCP	
Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGN/FLEX PATTERN ACT-3 CEILING, RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE, RE: ELECTRICAL.



A1 ENLARGED RCP - AREA A
1/4" = 1'-0"



Surgery Center of Lee's Summit
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Lee's Summit, MO 64063

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2	2/20/23	Addendum #2
5	11/8/23	ASI 2
9	4/29/24	ASI 6

2/8/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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913.951.8311



A1 ENLARGED RCP - AREA B
1/4" = 1'-0"



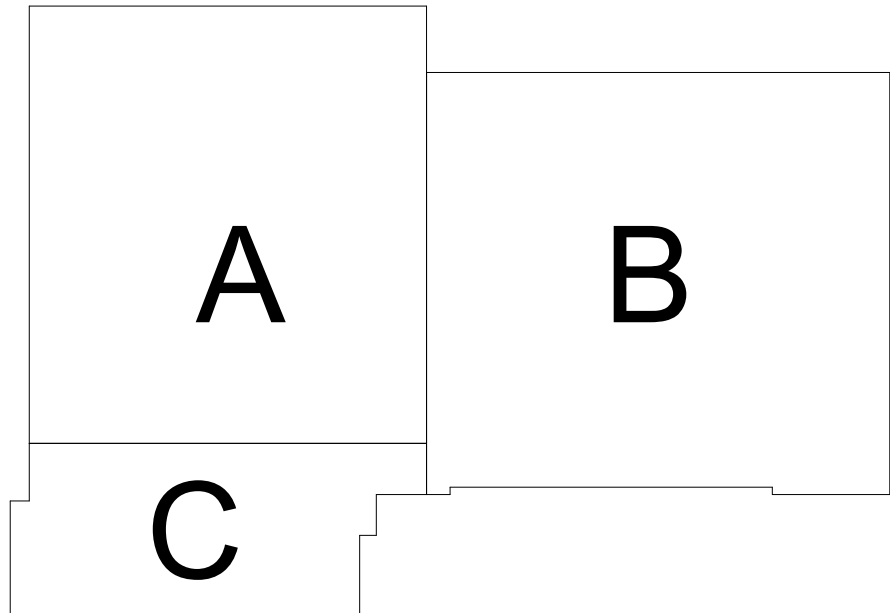
CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- ◇ WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PANA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 2X2/2X4 LAY-IN ACOUSTICAL CEILING
- ⊗ EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
- ⊗ EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- ⊗ SUPPLY AIR GRILLE RE: MECH
- ⊗ RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0" SOFFIT HEIGHT
- 9'-0" CEILING HEIGHT

REFLECTED CEILING NOTES

- EXISTING MEFP DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES.
- CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
- PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-4) UNLESS NOTED OTHERWISE.
- THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
- CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
- SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.
- REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
- ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND - RCP	
Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGN/FLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT. ES-1.
C-4	METAL PANEL SOFFIT. MP-1.
C-5	EXTERIOR LIGHTING FIXTURE. RE: ELECTRICAL.



Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A3.3
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ENLARGED RCP - AREA B

RELEASED FOR CONSTRUCTION
Development Services Department
Lee's Summit, Missouri
04/13/2024

2/8/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

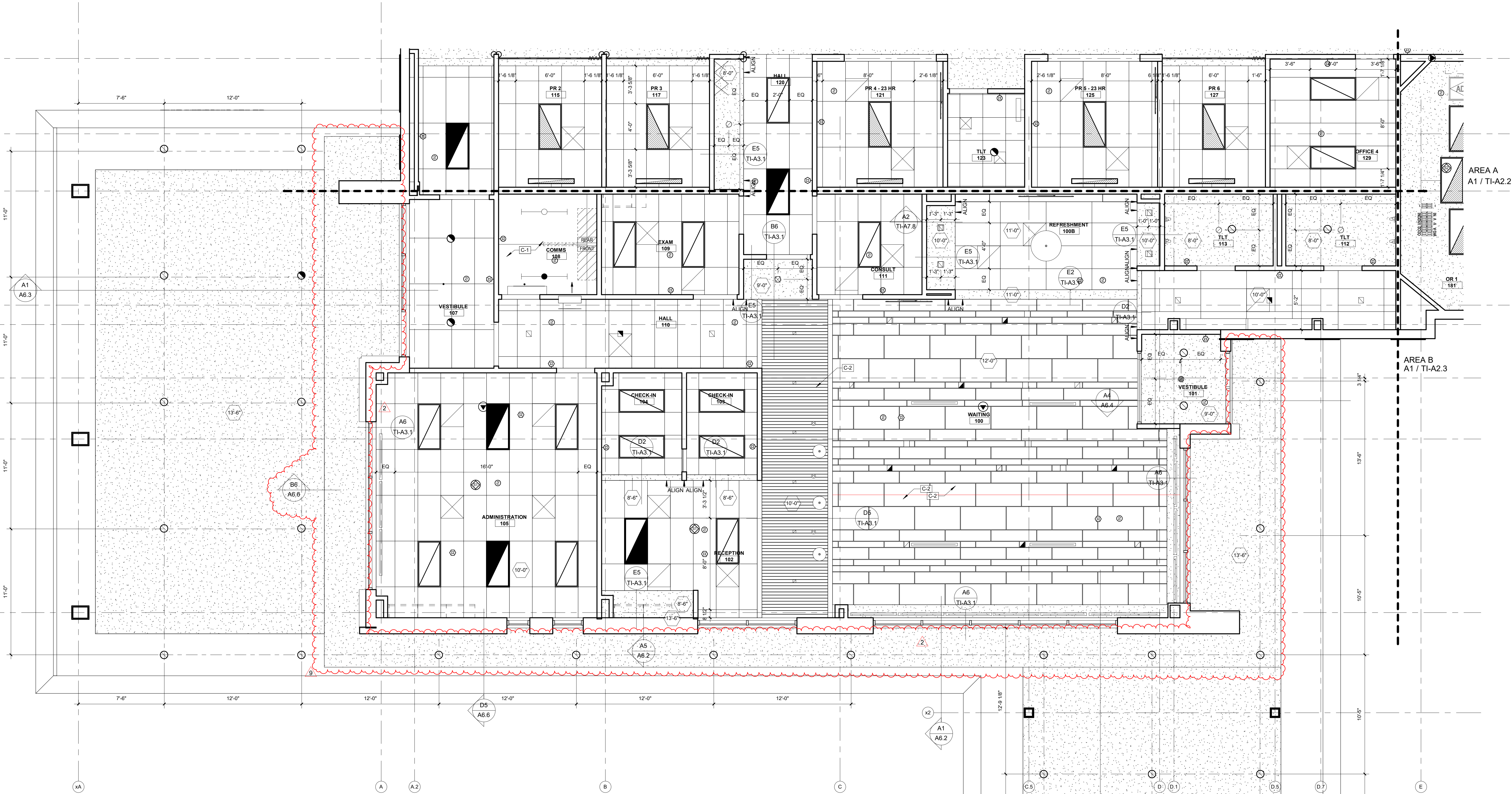
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CEILING LEGEND

RECESSED CAN LIGHT FIXTURE RE: ELECT

2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT

2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT

SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT

PENDANT LIGHT FIXTURE RE: ELECT

WALL SCONCE LIGHT FIXTURE RE: ELECT

2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT

2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT

GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS

EIFS

2X2/2x4 LAY-IN ACOUSTICAL CEILING

EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT

EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT

SUPPLY AIR GRILLE RE: MECH

RETURN AIR OR EXHAUST GRILLE RE: MECH

SOFFIT HEIGHT

CEILING HEIGHT

REFLECTED CEILING NOTES

1.

EXISTING MEPPF DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES.

2.

CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.

3.

ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.

4.

PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-4) UNLESS NOTED OTHERWISE.

5.

THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.

6.

CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.

7.

SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.

8.

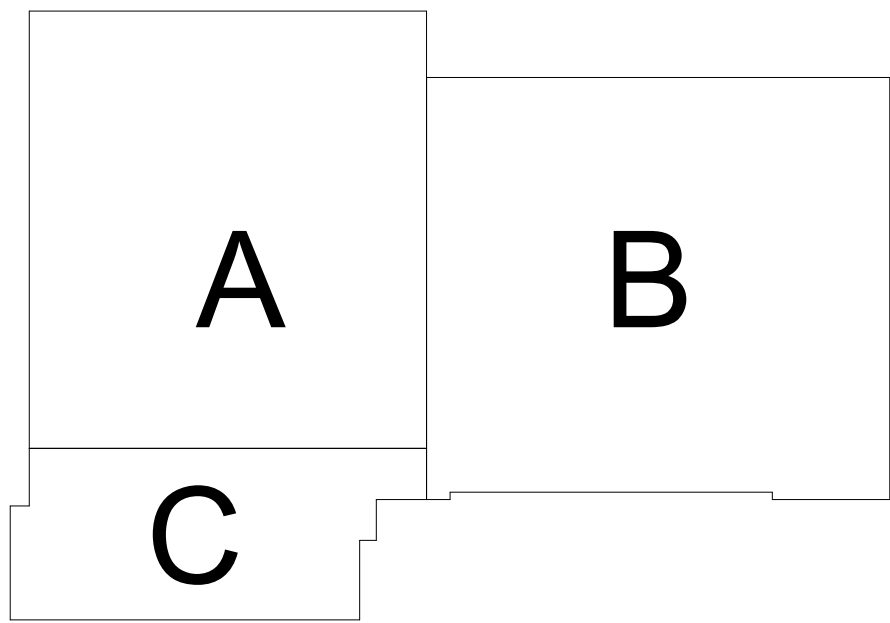
REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.

9.

ALL CEILINGS SHALL BE 9'-0 AFF UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND - RCP	
Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT. ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE. RE: ELECTRICAL.

A1 ENLARGED RCP - AREA C
1/4" = 1'-0"



Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
2	2/20/23	Addendum #2
9	4/29/24	ASI 6

TI-A3.4

ENLARGED RCP - AREA C

RELEASED FOR CONSTRUCTION
AT RISK OF LOSS TO THE CLIENT

Development Services Department
Lee's Summit, Missouri
04/13/2024

SAMUEL K. BECKMAN
ARCHITECT

2/8/2023

Samuel K. Beckman - Architect
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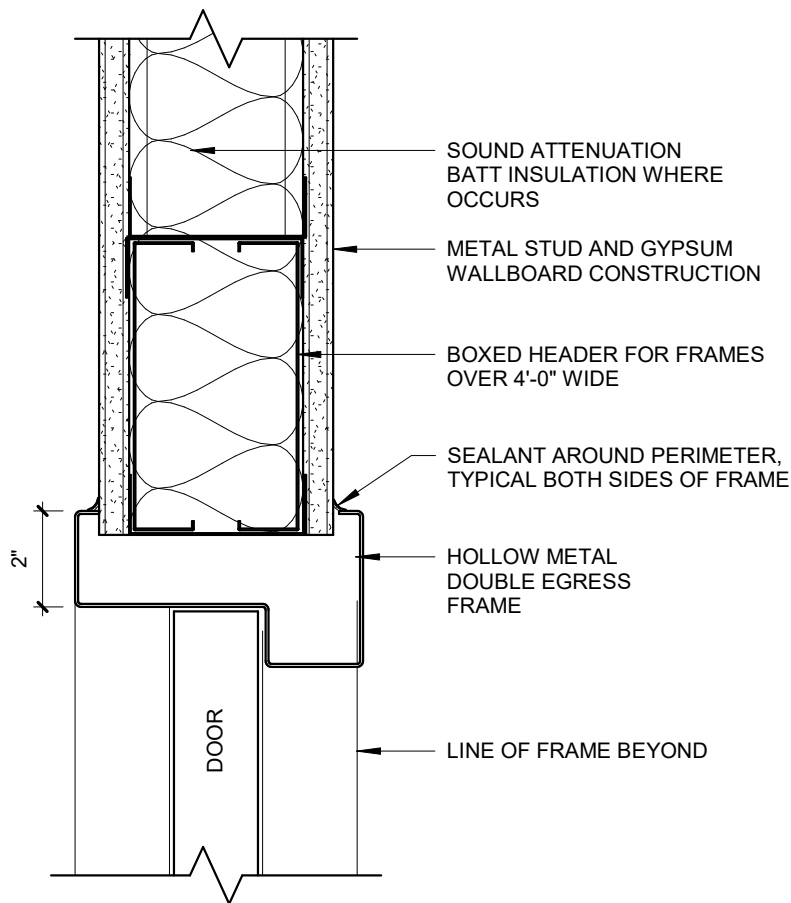
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STRUCTURAL CONSULTANT

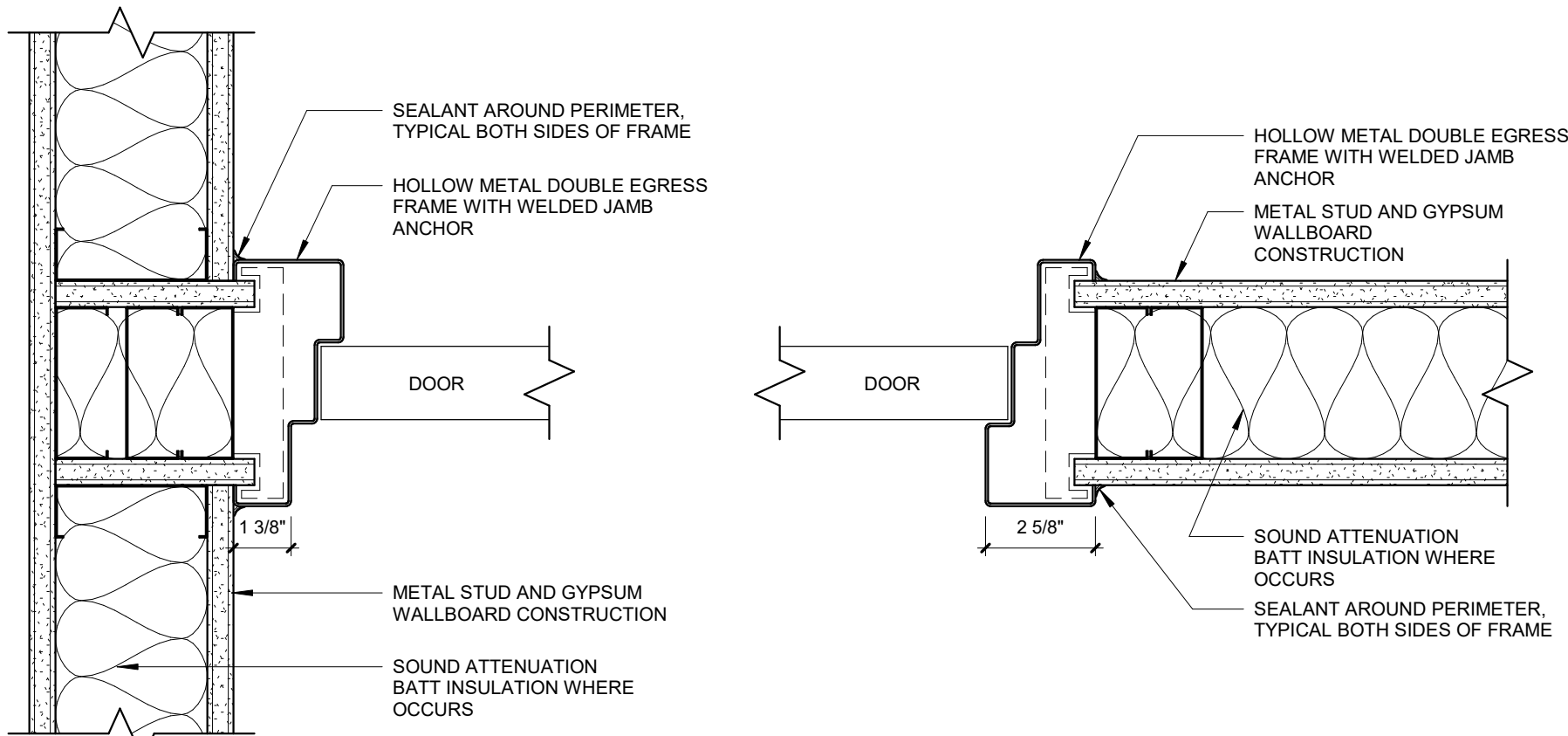
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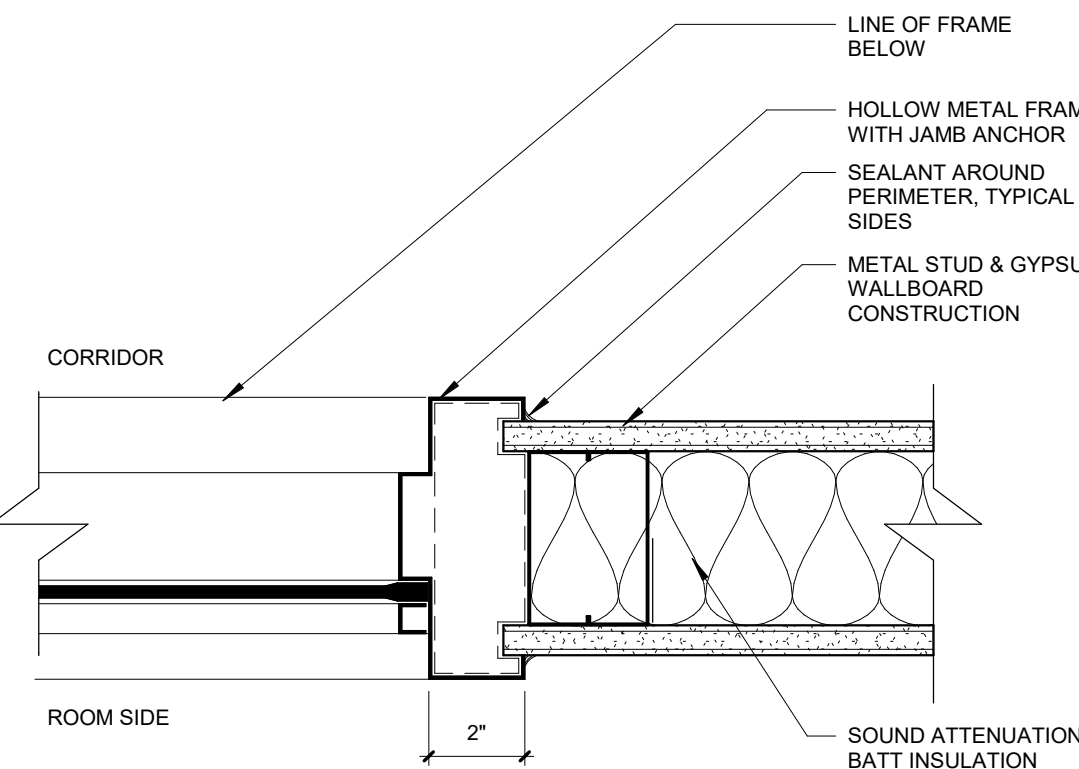
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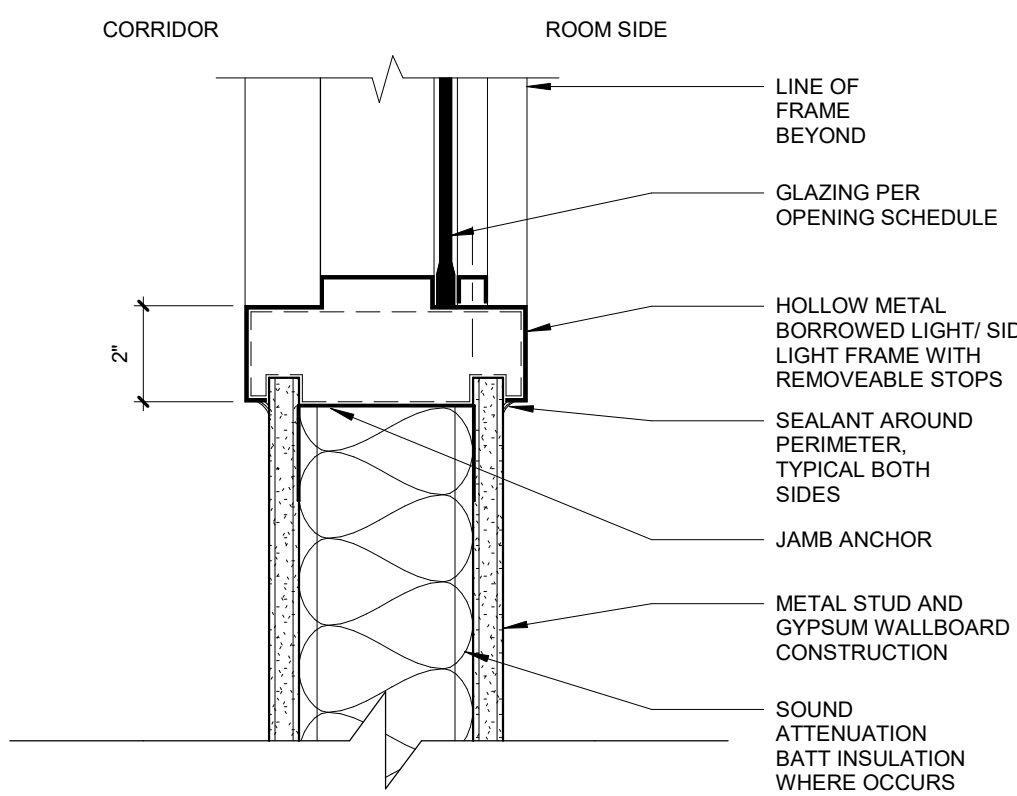
D6 HEAD - HM DOUBLE EGRESS FRAME
3" = 1'-0"



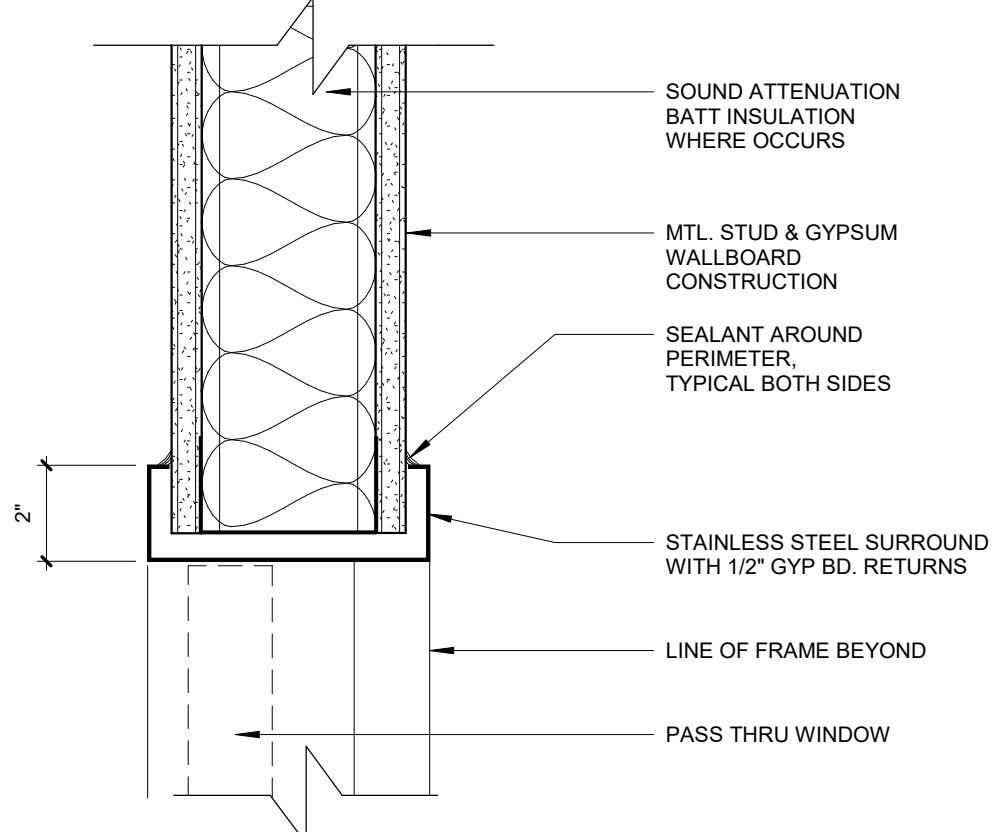
C6 JAMB - HM DOUBLE EGRESS FRAME
3" = 1'-0"



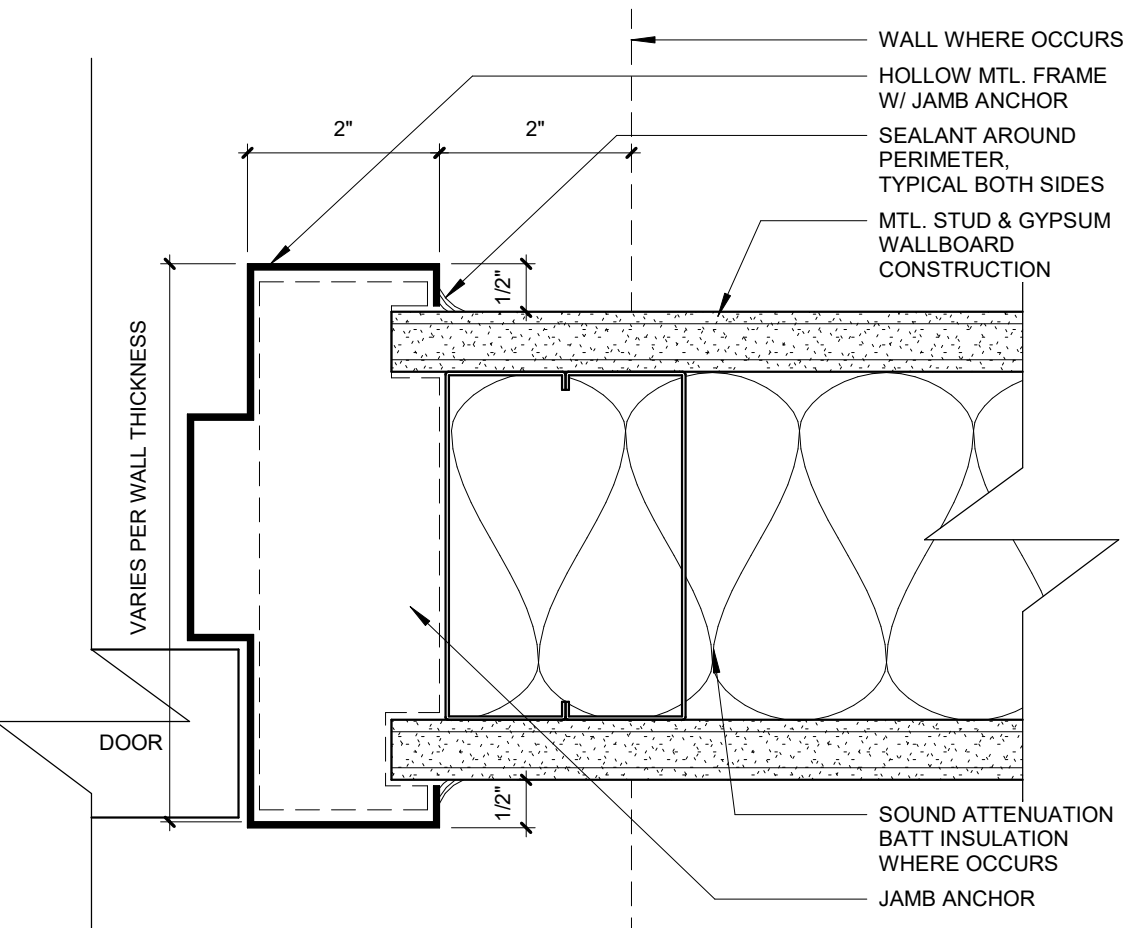
B6 JAMB - HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
3" = 1'-0"



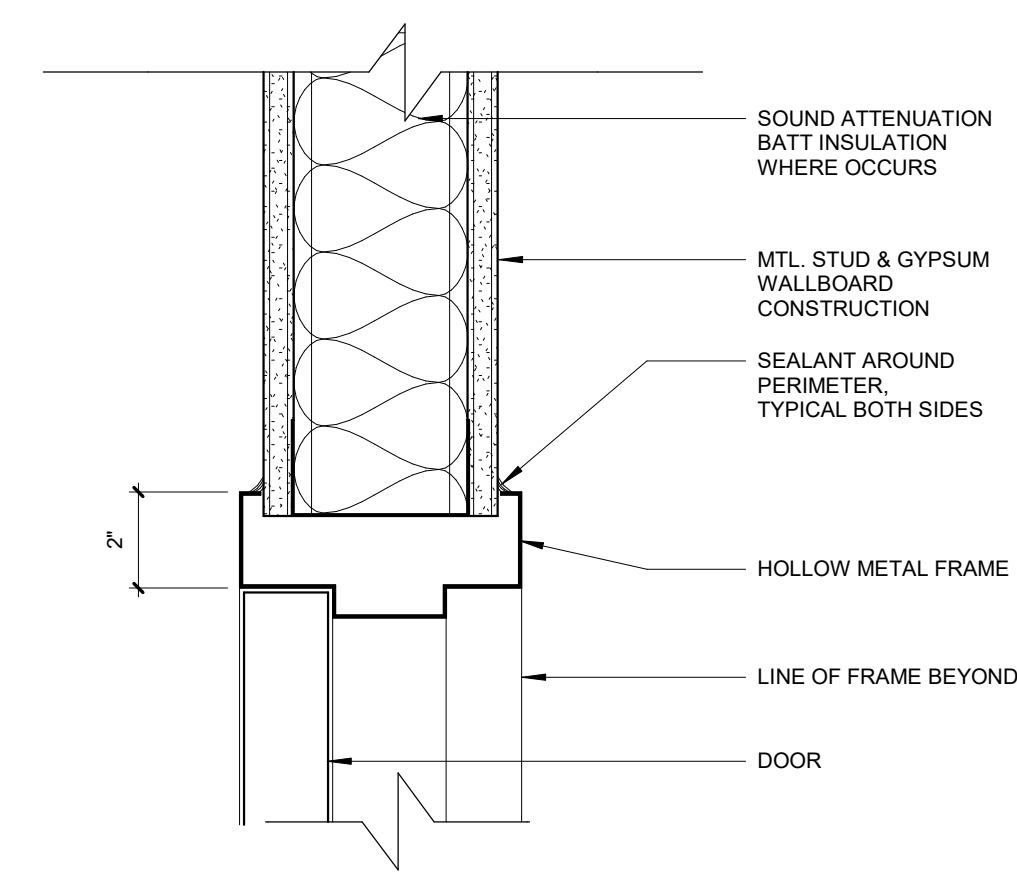
B5 SILL - HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
3" = 1'-0"



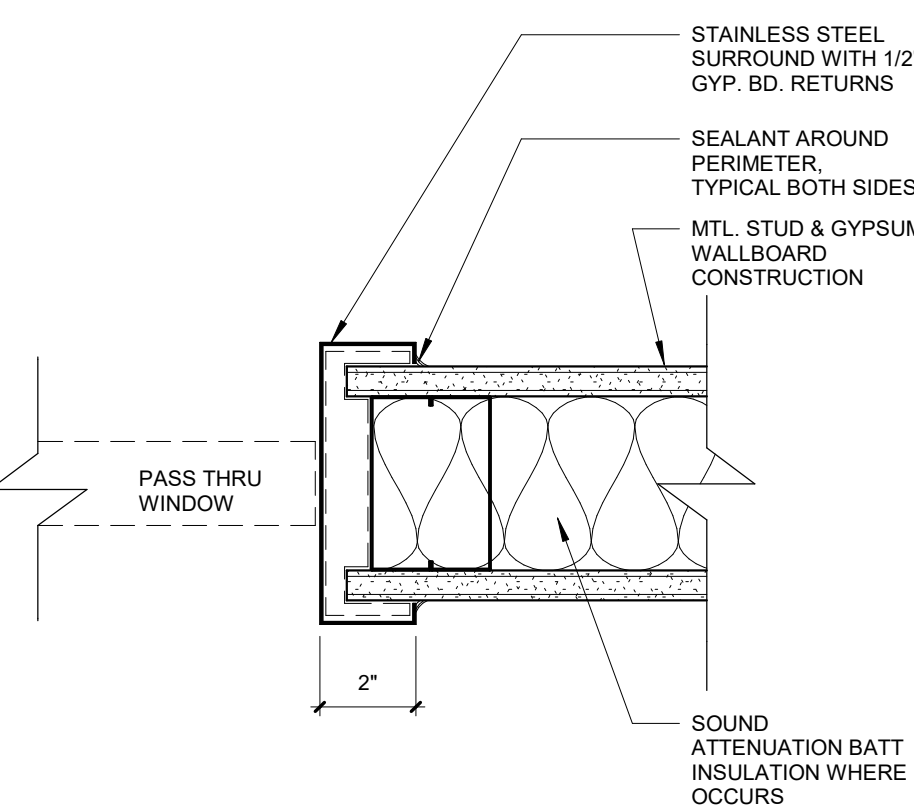
B4 PASS THRU SURROUND HEADER
3" = 1'-0"



A6 TYPICAL HOLLOW METAL FRAME
6" = 1'-0"



A5 TYPICAL HEAD- HOLLOW METAL DOOR FRAME
3" = 1'-0"



A4 PASS THRU SURROUND JAMB
3" = 1'-0"

DOOR SCHEDULE - TI

DOOR #	ROOM NAME	DOOR INFORMATION					FRAME INFORMATION		LABEL (MIN)	HARDWARE SET	OPENING DETAIL		REMARKS	REV #
		WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.	ELEV.			HEAD	JAMB		
102	RECEPTION	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
103	CHECK-IN	4'-0"	7'-0"	--		--	--	7	HM	--	--	TL		
104	CHECK-IN	4'-0"	7'-0"	--		--	--	7	HM	--	--	TL		
105	ADMINISTRATION	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
108	COMMS	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
109	EXAM	3'-6"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
109.1	EXAM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
111	CONSULT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
111.1	CONSULT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
112	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL	CARD READER	
113	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL		
114	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	TL		
117	HALL	3'-6"	7'-0"	1		N	WD	1	HM	GL-1	--	18	TL; CARD READER	
121	PR 4 - 23 HR	6'-0"	7'-8"	3		R	ALUM	--	GL-1	--	--	27	TL; INTEGRAL BLINDS	
122	MEDS	3'-0"	7'-0"	1		V	WD	1	HM	GL-1	--	10	TL; CARD READER	
123	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	TL	
125	PR 5 - 23 HR	6'-0"	7'-8"	3		R	ALUM	--	GL-1	--	--	27	TL; INTEGRAL BLINDS	
129	OFFICE 4	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	TL	
135	CLEAN	3'-6"	7'-0"	1		F	WD	1	HM	--	3	45 mn 02	TL	
137	STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	04	TL	
139	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	TL	
140	HALL	3'-10"	7'-0"	2		N	WD	2	HM	GL-1	--	12	TL; AUTO OPERATOR	
148	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	TL	
152	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	24	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
153	SCOPE DECON	3'-6"	7'-0"	1		F	WD	1	HM	--	--	45 mn 02	TL	
154	HALL	3'-0"	7'-0"	1		F	WD	1	HM	--	--	24	TL	
154.1	SCOPE STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	24	TL	9
155	SCOPE REPROCESSING	3'-0"	7'-0"	1		F	WD	1	HM	--	--	24	TL	9
156	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	24	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
157	STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	TL	
161	OFFICE 3	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	TL	
161B	OFFICE 3	2'-0"	3'-0"	1		N	WD	BL-1	GL-4	45 mn	--	01	TL; INTEGRAL BLINDS	9
163	OFFICE 2	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	TL	
164	SOILED	3'-0"	7'-0"	1		F	WD	1	HM	--	--	45 mn 07	TL	
165	OFFICE 1	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	TL	
166.1	STAFF LOUNGE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	02	TL	
167	CLEAN LINEN	3'-0"	7'-0"	1		F	WD	1	HM	--	--	45 mn 02	TL	9
171.1	STERILE ASSEMBLY	3'-0"	7'-0"	1		F	WD	1	HM	--	--	45 mn 02	TL	
171.2	STERILE ASSEMBLY	3'-6"	7'-0"	1		F	WD	1	HM	--	--	45 mn 07	TL	
172	NEPTUNE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	TL; No Closure On Door	
174	JANITOR	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	TL	
175.1	WOMENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20 mn 06	TL	
175.2	WOMENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	06	TL	
176	PATH LAB	3'-0"	7'-0"	1		F	WD	1	HM	--	--	01	TL	
177.1	MENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20 mn 06	TL	
177.2	MENS LOCKER ROOM	3'-0"	7'-0"	1		F	2	WD	1	HM	--	06	TL	
178	ANESTH.	3'-0"	7'-0"	1		F	WD	1	HM	--	--	01	TL	
180	HALL	3'-4"	7'-0"	2		N	WD	2	HM	GL-4	20 mn	11	TL; AUTO OPERATOR	
181	OR 1	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
181B	OR 1	2'-0"	3'-0"	1		N	WD	BL-1	HM	--	--	01	TL; INTEGRAL BLINDS	5
182	DECON	3'-6"	7'-0"	1		N	WD	1	HM	--	--	45 mn 02	TL	
183	OR 2	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
183.1	OR 2	2'-0"	3'-0"	1		N	WD	BL-1	HM	--	--	45 mn 02	TL	
184	STERILIZERS	3'-6"	7'-0"	1		F	WD	1	HM	--	--	45 mn 02	TL	
185	OR 3	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
185.1	OR 3	2'-0"	3'-0"	1		N	WD	BL-1	HM	--	--	45 mn 07	TL; INTEGRAL BLINDS	
186	STERILE STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	45 mn 07	TL	
187	EQUIP. STORAGE	4'-0"	7'-0"	1		N	WD	1	HM	GL-5	45 mn	08	TL; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	

DOOR AND HARDWARE NOTES

- ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS, A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
- ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
- HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

DOOR & FRAME MAT'L LEGEND

ALUM	ALUMINUM
HM	HOLLOW METAL
WD	SOLID CORE WOOD
FRP	FIBER REINFORCED PANEL
T	TEMPERED

GLAZING LEGEND

GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	FIRE PROTECTION RATED GLASS
GL-4	FIRE RESISTANT RATED GLASS
GL-5	BUTT-GLAZED GLASS PANELS
IGU-1	DOUBLE-GLAZED INSULATING GLASS UNIT
IGU-2	DOUBLE-GLAZED INSULATING GLASS UNIT (TEMPERED)
IGU-3	DOUBLE-GLAZED INSULATING GLASS UNIT (LAMINATED)
IGU-4	DOUBLE-GLAZED INSULATING GLASS UNIT (SPANDREL)

Samuel K. Beckman - Architect
License - Missouri #A-2011012130



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Surgey Center of Lee's Summit
1950 SE Shenandoah Drive
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Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Number	Date	Description
2	2/20/23	Addendum #2
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A4.1

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DOOR AND FRAME SCHEDULE AND DETAILS

GENERAL ROOM FINISH SCHEDULE NOTES

22	
A	REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR WALL FINISHES, WALL PROTECTION, CORNER GUARDS, WINDOW TREATMENTS, FLOOR FINISH APPLICATION AND LOCATIONS
B	ALL SOLID WOOD, WOOD VENEER, AND PLASTIC LAMINATE GRAIN SHALL BE VERTICALLY ORIENTED UNLESS OTHERWISE NOTED
C	DOOR FRAMES, HOLLOW METAL WINDOW FRAMES TO BE PT-3 UNLESS OTHERWISE NOTED
D	ALL FACES AND UNDERSIDES OF SOFFITS AND HEADERS TO BE PT-1 UNLESS OTHERWISE NOTED
E	WALL EXPANSION JOINTS TO BE PT-1 UNLESS OTHERWISE NOTED
F	ALL ELECTRICAL PANELS AND METAL GRILLES SHALL BE PT-1 TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
G	ALL COLUM SURROUND FINISHES TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
H	WHERE A WALL IS INDICATED TO BE PARTIAL OR FULL HT WALL PROTECTION, THE ENTIRE WALL IS TO BE PT-1 PRIOR TO WALL PROTECTION INSTALLATION
I	EXTEND ALL FINISHES BENEATH, BEHIND, AROUND ALL CASEWORK, EQUIPMENT, SIGNAGE, ETC.
J	ALL WINDOW SILL TO BE RSF-1
K	ALL SST SINKS, RE MEP
L	WOOD DOORS TO BE CLAD AND FINISHED IN PLAM-1
M	SUBMIT SAMPLES OF ALL FINISHES TO ARCHITECT FOR REVIEW PRIOR TO THE ORDERING OF MATERIAL
N	NO IRREGULARITIES OR IMPERFECTIONS SHALL BE PRESENT IN ANY OF THE MATERIALS BEING INSTALLED. IF SUCH ITEMS ARE IDENTIFIED DURING APPLICATION, WORK SHALL BE STOPPED AND THE ARCHITECT NOTIFIED
O	PROVIDE ALL MAINTENANCE MANUALS AND WARRANTY INFORMATION FOR EACH FINISH MATERIAL TO OWNER AT COMPLETION OF PROJECT
P	FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE WORK OF FINISH APPLICATIONS
Q	ALL FINISHES SHALL BE INSTALLED AND MAINTAINED PER MANUFACTURERS RECOMMENDATION AND INDUSTRY STANDARDS
R	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS
S	ALL MATERIAL TO COMPLY WITH FLAME STREAM CLASSIFICATION EITHER CLASS (1) ONE OR CLASS A DEPENDING ON GOVERNING CODE IN EFFECT
T	SMOKE DEVELOPMENT RATING < 450 FOR ALL FINISHES
U	REFER TO TYPICAL WALL PROTECTION ELEVATION FOR INFORMATION ON WALL PROTECTION, CORNER GUARDS, CRASH RAILS, AND BUMPER RAILS. REFER TO FINISH SCHEDULE, FINISH PLAN, AND INTERIOR ELEVATIONS FOR LOCATIONS

SPECIFIC ROOM FINISH SCHEDULE NOTES

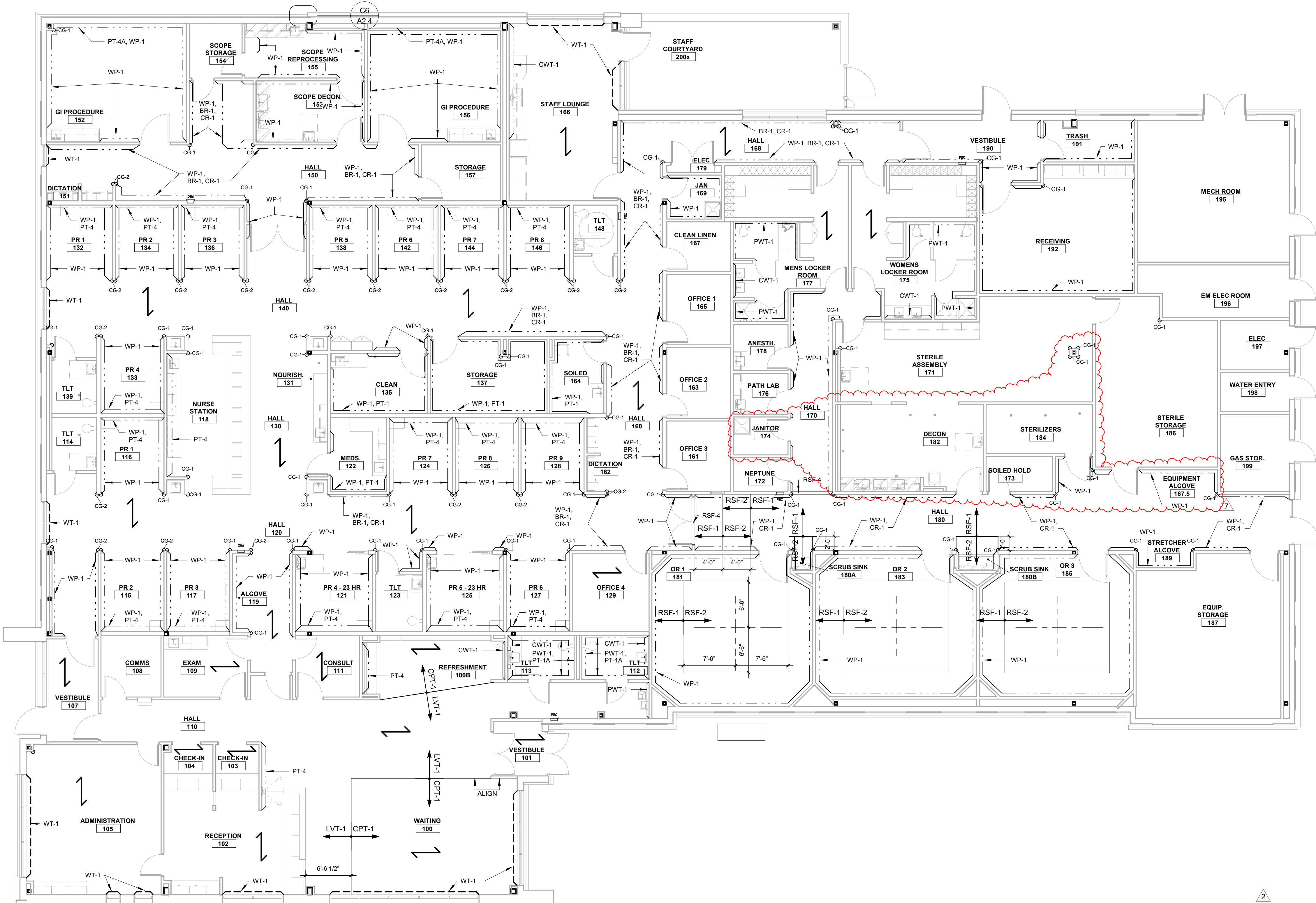
1	QIZ-1 TO BE USED ON TRANSACTION TOP, SSF-1 TO BE USED ON WORKSURFACE TOP
2	FULL HEIGHT WALL PROTECTION
3	REFER TO TYPICAL PORCELAIN WALL TILE PATTERN ELEVATIONS, RE: A4.2
4	INSTALL PLYWOOD BLOCKING ON ALL WALLS FOR EQUIPMENT MOUNTING
5	FINISHES IN THIS ROOM SHALL BE PART OF THE CORE/SHELL PACKAGE
6	REFER TO CERAMIC WALL TILE PATTERN ELEVATIONS, RE: A4.2
7	CENTER RSF-2 UNDER OR TABLE
8	

INTERIOR FINISH LEGEND

MARK	ITEM	MANUFACTURER	MODEL/ PATTERN	COLOR	SIZE	REMARKS
FLOOR						
CPT-1	CARPET	SHAW CONTRACT	SUBTEXT 51409	LISTEN 05100	9" X 36"	ASHLAR INSTALLATION
CS-1	CONCRETE SEALER					
LVT-1	LUXURY VINYL TILE	MANNINGTON	AMTICO WOOD		7.25" X 48"	STAGGERED INSTALLATION
LVT-2	LUXURY VINYL TILE	MANNINGTON	SPACA ABSTRACT		18" X 18"	ASHLAR INSTALLATION
PT-1	PORCELAIN WOOD-GRAIN TILE		ARTICULO AROS MATTE FINISH		12" X 24"	1/3 OFFSET INSTALLATION
RSF-1	SHEET VINYL	MANNINGTON	BIOSEPC ARMOR			USE MATCHING HEAT WELD ROD
RSF-2	SHEET VINYL	MANNINGTON	BIOSEPC ARMOR			USE MATCHING HEAT WELD ROD
RSF-3	SHEET VINYL	MANNINGTON	ASSURANCE III			USE MATCHING HEAT WELD ROD
RSF-4	SHEET VINYL	MANNINGTON	BIOSEPC ARMOR			USE MATCHING HEAT WELD ROD
TRS-1	TRANSITION STRIP	MANNINGTON	833 TILE REDUCER			RE: TRANSITION DETAILS
TRS-2	TRANSITION STRIP	SCHLUTER	RENOVA			RE: TRANSITION DETAILS
TRS-3	TRANSITION STRIP	SCHLUTER	SCHLUTER			RE: TRANSITION DETAILS
WDC-1	WALK OFF CARPET	SHAW CONTRACT	PORTAL TILE S7035		24" X 24"	ASHLAR INSTALLATION
BASE						
IB-1	INTEGRAL BASE	MANNINGTON	BIOSEPC ARMOR			
IB-2	INTEGRAL BASE	MANNINGTON	ASSURANCE III			
MT-1	METAL TRIM	SCHLUTER	DILEX-ARK			
RB-1	RESILIENT BASE	MANNINGTON	BURKEBASE, TYPE TP			
RB-2	RESILIENT BASE	MANNINGTON	EDGE EFFECTS, ETCHED			
WALL						
BR-1	BUMPER RAIL	INPRO CORPORATION	1300 WALL GUARD			
CG-1	CORNER GUARD	INPRO CORPORATION	1600 BLUNOSE SURFACE MOUNT			
CG-2	CORNER GUARD	INPRO CORPORATION	1600 BLUNOSE HIGH IMPACT END WALL PROTECTOR			
CR-1	CRASH RAIL	INPRO CORPORATION	1600 WALL GUARD			
CWT-1	CERAMIC WALL TILE	GARDEN STATE TILE	DISTRICT BOERUM HILL, ADWICK			
CWT-2	CERAMIC WALL TILE	PLATFORM SURFACES	MLW MAYFAIR			
MT-2	METAL TRIM	SCHLUTER	JOLLY			
PT-1	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH			
PT-1A	PAINT	SHERWIN-WILLIAMS	EPOXY FINISH			
PT-1B	PAINT	SHERWIN-WILLIAMS	FLAT FINISH			
PT-2	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH			
PT-3	PAINT	SHERWIN-WILLIAMS	SEMI-GLOSS FINISH			
PT-4	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH			
PT-4A	PAINT	SHERWIN-WILLIAMS	EPOXY FINISH			
PT-5	PAINT	SHERWIN-WILLIAMS	RE: SPECS			
PWT-1	PORCELAIN WALL TILE	DALTILE	ARTICULO AROS MATTE FINISH			
WP-1	WALL PROTECTION	INPRO CORPORATION	RECT SHEET			
CASEWORK						
IS-1	INTEGRAL SINK	WILSONART	AV1513 RECTANGULAR ADA RAMP VANITY	CALM WHITE	17-11/16" X 15-3/8" X 5-1/4"	RE: ROOM FINISH SCHEDULE
IS-2	INTEGRAL SINK	WILSONART	AD1630 EQUAL DOUBLE BOWL	CALM WHITE	32-11/16" X 16-5/8" X 9-1/8"	RE: ROOM FINISH SCHEDULE
IS-3	INTEGRAL SINK	WILSONART	AV1812 RECTANGULAR VANITY	CALM WHITE	19-5/8" X 14-3/4" X 6-7/8"	RE: ROOM FINISH SCHEDULE
PLAM-1	PLASTIC LAMINATE	WILSONART	7887-38	PALSADES OAK	4" X 8" SHEET	USE MATCHING 3MM EDGE BANDING
QIZ-1	QUARTZ	WILSONART	Q4057	CALACATTA VIOLEGGIO	30M THICK	EASED EDGES
SSF-1	SOLID SURFACE	WILSONART	9196RS	YUKON RIVERSSTONE	1/2" THICK	EASED EDGES
SST-1	STAINLESS STEEL					
TB-1	TACK BOARD	GUILFORD OF MAINE	ANCHORAGE 2335	QUARRY BLUE 2026		RE: INTERIOR ELEVATIONS AND PLANS FOR LOCATIONS
CEILING						
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	FINE FISSURED 1755	WHITE	24" X 48"	15/16" SQUARE LAY-IN & 15/16" PRELUDE SUSPENSION SYSTEM
ACT-2	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	DESIGNFLEX SQUARES AND RECTANGLES, ULTIMA TEGULAR 1422	WHITE	24" X 48"	15/16" SQUARE LAY-IN & ALUMINUM CLEAN ROOM SUSPENSION SYSTEM, GASKETED GRID
ACT-3	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	WOODWORKS VENEER	WHITE	24" X 48"	9/16" REVELED TEGULAR W/ 9/16" SUPRAFINE SUSPENSION SYSTEM, SLIZZARD WHITE
WDC-1	WOOD CEILING	ARMSTRONG CEILINGS				NOMINAL 4" WIDE PLANKS WITH 3/4" REVEAL 15/16" EDGE
MISC.						
AP-1	ACRYLIC PANEL	ILUMICOR	WALDEN	DAWN		RE: INTERIOR ELEVATIONS
CC-1	CUBICLE CURTAIN	PHOENIX TEXTILE	AQUIFER-X	CARIBBEAN #6		SATIN FINISH, SANDED & MATTE EASED EDGE
CCT-1	CUBICLE CURTAIN TRACK	INPRO CORPORATION	WHISPER CUBE	WHITE		RE: FLOOR PLANS & RCP
CT-1	CROUT	KENAPROXY				USE WITH WHITE MESH
SB-1	SHOWER BASE	INPRO CORPORATION	BIOPRISM SOLID SURFACE SHOWER RECEPTOR - STANDARD ADA	BONE	36" X36"	-
SC-1	SHOWER CURTAIN	INPRO CORPORATION	CHALET	SNOW		RE: FLOOR PLANS & RCP
SCR-1	SHOWER CURTAIN ROD	WILSONART	STATIONARY ROD	SATIN CHROME		USE WITH WHITE MESH
TP-1	TOILET PARTITION	WILSONART	COMPACT LAMINATE	PALSADES OAK		RE: SPEC
UP-1	UPHOLSTERY	WOLF GORDAN	GCH 3255921 EDEN	TALPE		USED AT SEAT CUSHION OF REFRESHMENT BOOTH
UPH-1	UPHOLSTERY	LIUM TEXTILES	META TEXTURE	PALE SHADOW 4063-03		USED AT SEAT BACK OF REFRESHMENT BOOTH
WT-1	WINDOW TREATMENT	MECHOSHADE	MECHO 5 STANDARD BRACKET, MANUAL SINGLE REGULAR ROLL SHADE W/ FASCIA, CEILING MOUNT	FASCIA, QUAKER BRONZE; SHADOWLOTH THERMOVAIL 1700 GRAY 1% OPENNESS		LOCATED AT ALL WINDOWS ALONGS EXTERIOR WALL. RE: RCP

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS				CASEWORK				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST	BASE CABINETS	WALL CABINETS	COUNTERTOPS	SINKS		
100	WAITING	LVT-1, CPT-1	RB-2	PT-1	PT-1	PT-1	PT-4	PLAM-1	-	SSF-1 QIZ-1	-	ACT-3	
100B	REFRESHMENT	CPT-1	RB-2	PT-1	OWT-1	PT-1	PT-4	PLAM-1	-	SSF-1	-	ACT-1PT-1B	
101	VESTIBULE	WOC-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1	-	PT-1B	
102	RECEPTION	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1 QIZ-1	-	ACT-1WDC-1PT-1B	1
103	CHECK-IN	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1	-	ACT-1	
104	CHECK-IN	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1	-	ACT-1	
105	ADMINISTRATION	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	-	ACT-1	
107	VESTIBULE	WOC-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1	-	PT-1B	
108	COMMS	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	4
109	EXAM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
110	HALL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
111	CONSULT	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
112	TLT	PFT-1	MT-1	PT-1APWT-1	PT-1ACWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	IS-1	GPT	3
113	TLT	MT-1	MT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	IS-1	GPT	3
114	TLT	RSF-3	IB-2	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	IS-1	ACT-1	3
115	PR 2	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
116	PR 1	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
117	PR 3	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
118	NURSE STATION	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
119	ALCOVE	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
120	HALL	LVT-2	RB-1	PT-1WP-1BR-1CR-1	PT-1	PT-1WP-1BR-1CR-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
121	PR 4 - 23 HR	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
122	MEDS	RSF-1	IB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
123	TLT	RSF-3	IB-2	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	-	ACT-1	3
124	PR 7	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
125	PR 5 - 23 HR	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
126	PR 8	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
127	PR 6	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
128	PR 9	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
129	OFFICE 4	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
130	HALL	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
131	NOURISH	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
132	PR 1	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
133	PR 4	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
134	PR 2	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
135	CLEAN	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
136	PR 3	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
137	STORAGE	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
138	PR 5	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
139	TLT	RSF-3	IB-2	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	-	ACT-1	3
140	HALL	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
142	PR 6	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
144	PR 7	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
146	PR 8	LVT-2	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PLAM-1	-	SSF-1	-	ACT-1	
148	TLT	RSF-3	IB-2	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PLAM-1	-	SSF-1	-	ACT-1	3
150	HALL	RSF-1	RB-1	PT-1WP-1BR-1CR-1	PT-1WP-1BR-1CR-1	PT-1WP-1BR-1CR-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-2	
151	DICTATION	RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1	
152	GI PROCEDURE	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-2	
153	SCOPE DECON	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	SST	SST	SST	SST	ACT-2	
154	SCOPE STORAGE	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	-	-	-	-	ACT-2	
155	SCOPE REPROCESSING	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	SST	SST	SST	SST	ACT-2	
156	GI PROCEDURE	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-2	
157	STORAGE	RSF-1	IB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-2	
160	HALL	LVT-2	RB-1	PT-1WP-1BR-1CR-1	PT-1WP-1BR-1CR-1	PT-1WP-1BR-1CR-1	PT-1WP-1BR-1CR-1	PLAM-1	-	SSF-1	-	ACT-1	
161	OFFICE 3	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1	
162	DICTATION	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	SSF-1	-	PT-1B	
163	OFFICE 2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	SSF-1	-	ACT-1	
164	SOLED	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PLAM-1	-	SSF-1	IS-3	ACT-1	
165	OFFICE 1	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-2	ACT-1PT-1B	
166	STAFF LOUNGE	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1	
167	CLEAN LINEN	RSF-1	RB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	ACT-1	
168	EQUIPMENT ALCOVE	RSF-1	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	-	-	-	PT-1A	
169	JAN	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	ACT-2	2
170	HALL	RSF-1	IB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	-	-	-	ACT-2	2
171	STERILE ASSEMBLY	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	SST	SST	SST	SST	ACT-2	
172	NEPLUNE	RSF-1	IB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	-	-	-	ACT-2	2
173	SOLED HOLD	RSF-1	IB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	-	-	-	ACT-2	2
174	JANITOR	RSF-1	IB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	-	-	-	ACT-2	2
175	WOMENS LOCKER ROOM	PFT-1	MT-1,PFT-1	PT-1APWT-1	PT-1APWT-1	PT-1APWT-1	PT-1A,PWT-1	PLAM-1	-	SSF-1	IS-1	ACT-1PT-1B	
176	PATH LAB	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-2	
177	MENS LOCKER ROOM	PFT-1	MT-1,PFT-1	PT-1APWT-1	PT-1,PWT-1	PT-1APWT-1	PT-1AWP-1	PLAM-1	-	SSF-1	IS-1	ACT-1PT-1B	
178	ANESTH.	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-2	
179	ELEC	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	
180	HALL	RSF-1,RSF-2	IB-1,2	PT-1WP-1CR-1	-	PT-1AWP-1CR-1	-	-	-	-	-	ACT-2	
180A	SCRUB SINK	RSF-2	MT-1	-	PT-1AWP-1	PT-1ACWT-2	PT-1AWP-1	-	-	-	-	PT-1A	6
180B	SCRUB SINK	RSF-2	MT-1	-	PT-1AWP-1	PT-1ACWT-2	PT-1AWP-1	-	-	-	-	PT-1A	7
181	OR 1	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	PT-1A	7
182	DECON	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	SST	SST	SST	SST	ACT-2	7
183	OR 2	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	PT-1A	7
184	STERILIZERS	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	-	-	-	-	ACT-2	
185	OR 3	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	PT-1A	7
186	STERILE STORAGE	RSF-1	IB-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	ACT-2	
187	EQUIP. STORAGE	RSF-1	IB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-2	
188	STRETCHER ALCOVE	RSF-1	RB-1	-	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	PT-1A	
190	VESTIBULE	WOC-1	RB-1	PT-1	PT-1	PT-1WP-1	PT-1WP-1	-	-	SSF-1	-	ACT-1	
191	TRASH	RSF-1	IB-1	PT-1A	PT-1AWP-1	PT-1AWP-1	PT-1AWP-1	-	-	-	-	EXPOSED	2
192	RECEIVING	LVT-1	RB-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	PT-1WP-1	-	PLAM-1	SSF-1	-	ACT-1	
195	MECH ROOM	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	
196	EM ELEC ROOM	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	
197	ELEC	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	
198	WATER ENTRY	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	
199	GAS STOR.	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	



A2 OVERALL FINISH FLOOR PLAN
1/8" = 1'-0"

FINISH FLOOR PLAN LEGEND

---	WALL TREATMENT
---	FLOOR TRANSITION
---	CORNER GUARD
---	FLOOR FINISH DIRECTION

1. FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL FLOORING TRANSITION DETAILS ON TI-A7.5, UNLESS OTHERWISE NOTED ON THIS PLAN.

2. THIS FINISH PLAN IS TO BE USED FOR ADDITIONAL LOCATION CLARIFICATION OF FINISHES NOTED IN FINISH SCHEDULE.

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
2	2/20/23	Addendum #2
7	2/7/24	ASI 4

TI-A7.1
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OVERALL FLOOR FINISH PLANS

RELEASED FOR CONSTRUCTION
Development Services Department
Lee's Summit, Missouri
02/13/2024

2/8/2023

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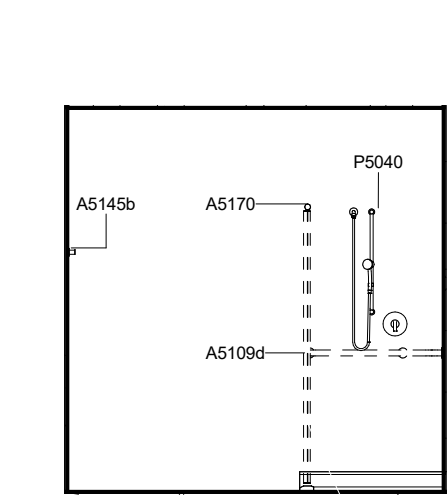
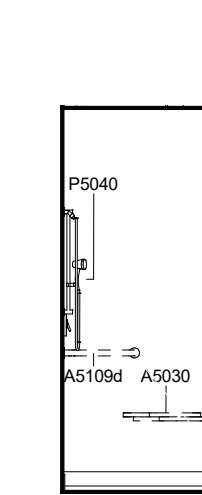
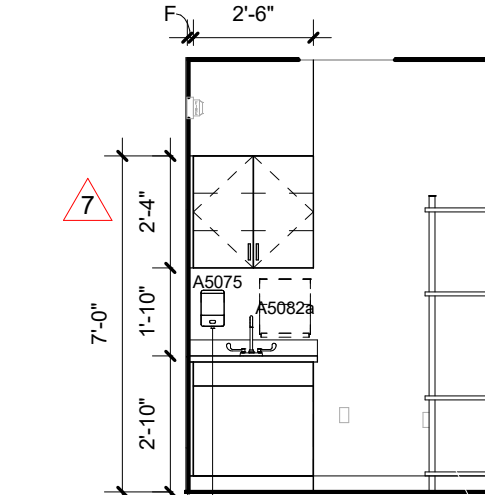
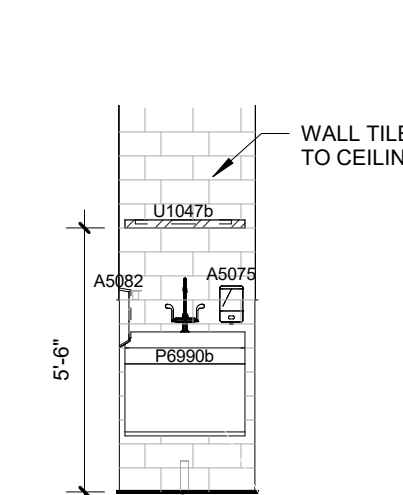
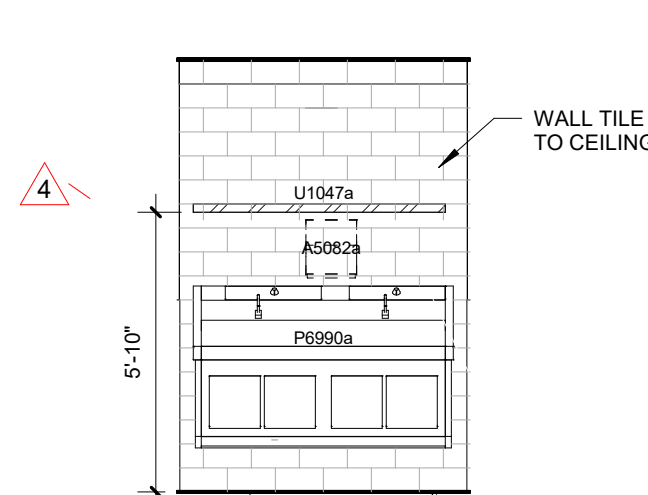
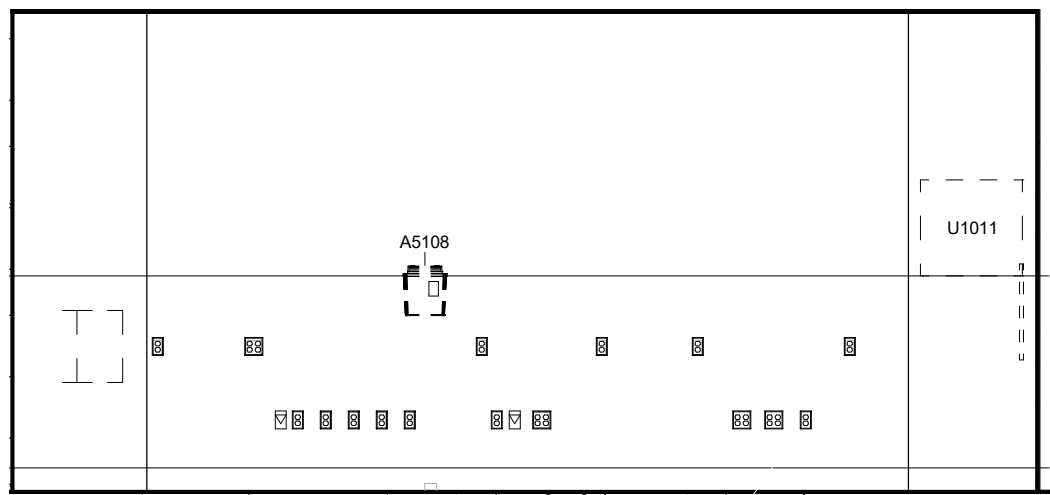
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100	
BASE CABINETS	PLAM- 1
WALL CABINETS	"
COUNTERTOPS	SSF-1
SINKS	QTZ-1



E6 181 - OR, ROBOT, WEST
1/4" = 1'-0"

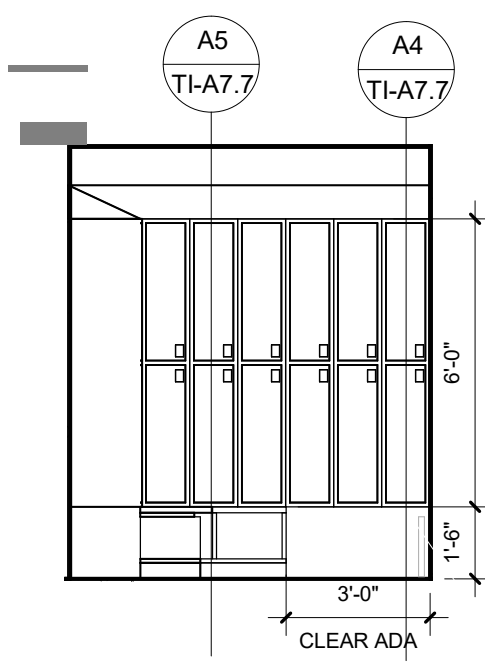
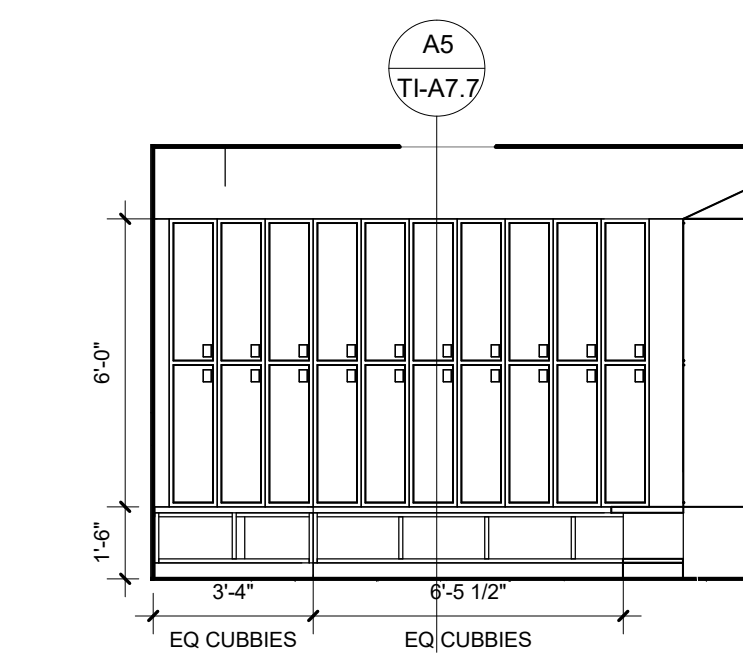
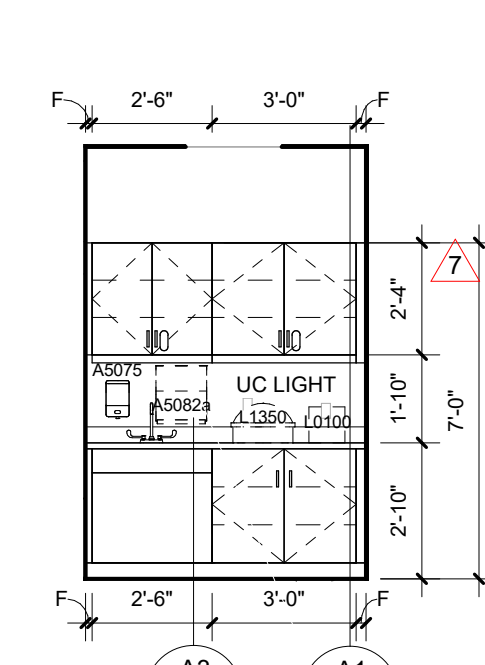
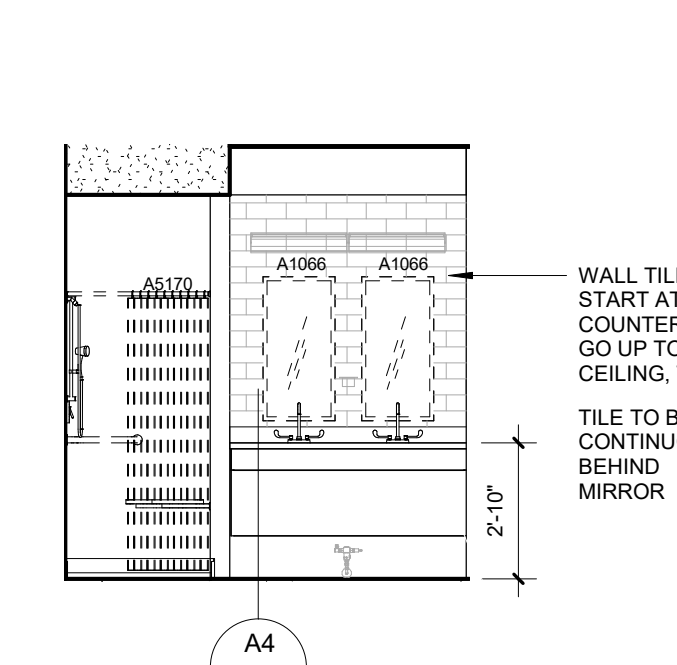
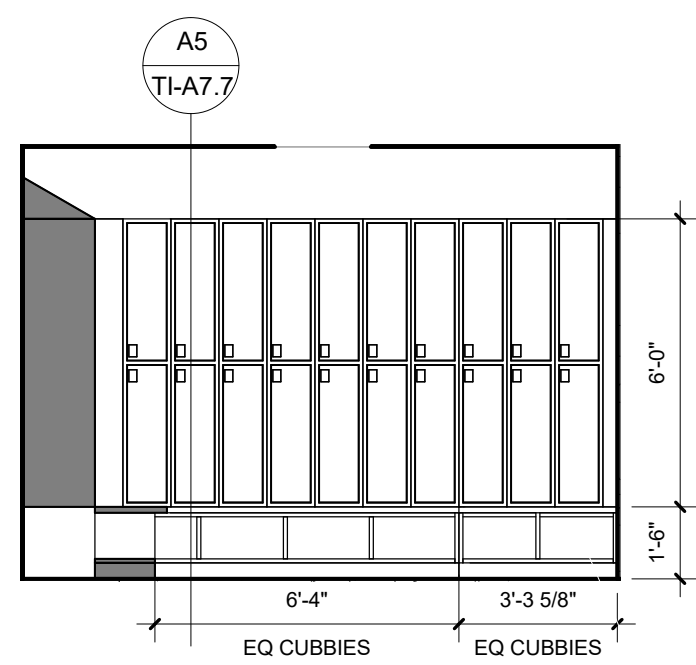
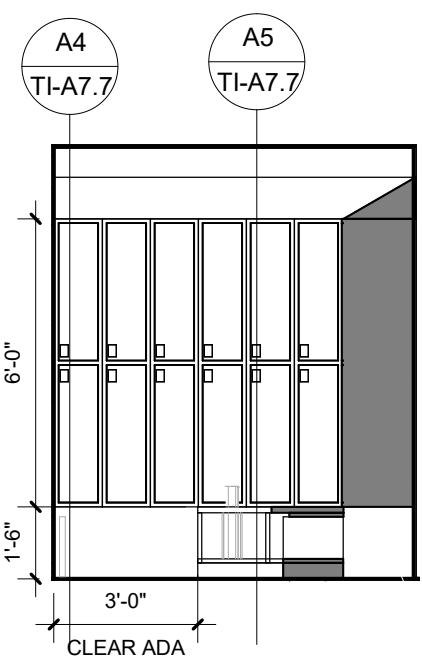
E5 180 - DBL SCRUB SINK
1/4" = 1'-0"

E4 180 - SINGLE SCRUB SINK
1/4" = 1'-0"

E3 178 - ANESTH. WORKROOM, WEST
1/4" = 1'-0"

E2 177 - MENS SHOWER, WEST
1/4" = 1'-0"

E1 177 - MENS SHOWER, SOUTH
1/4" = 1'-0"



D6 177 - MENS LOCKER, WEST
1/4" = 1'-0"

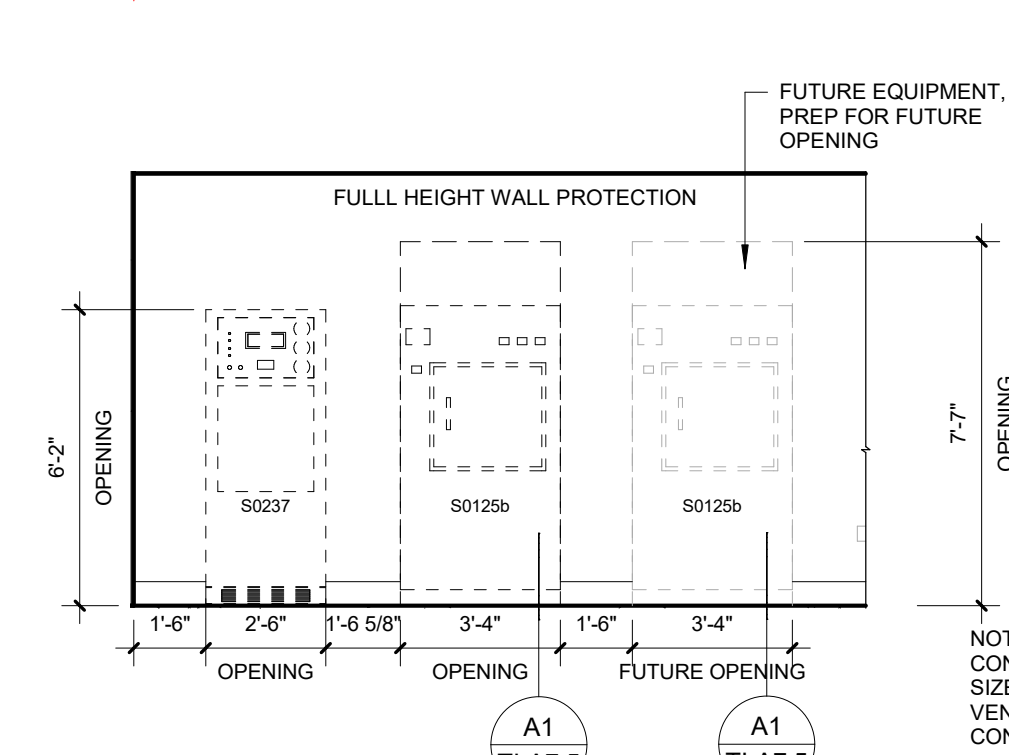
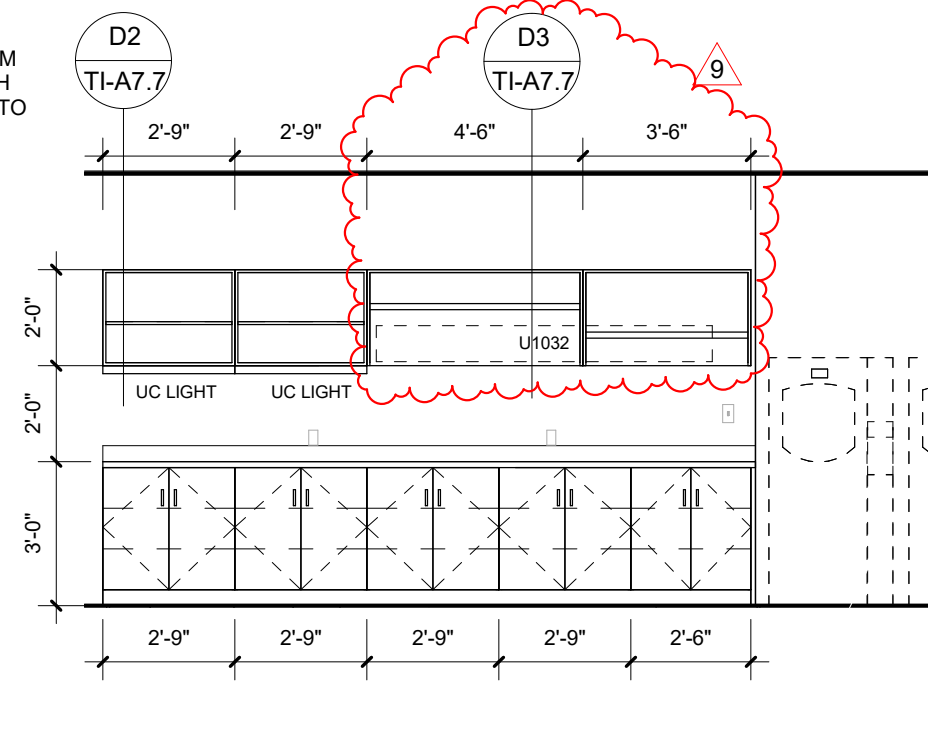
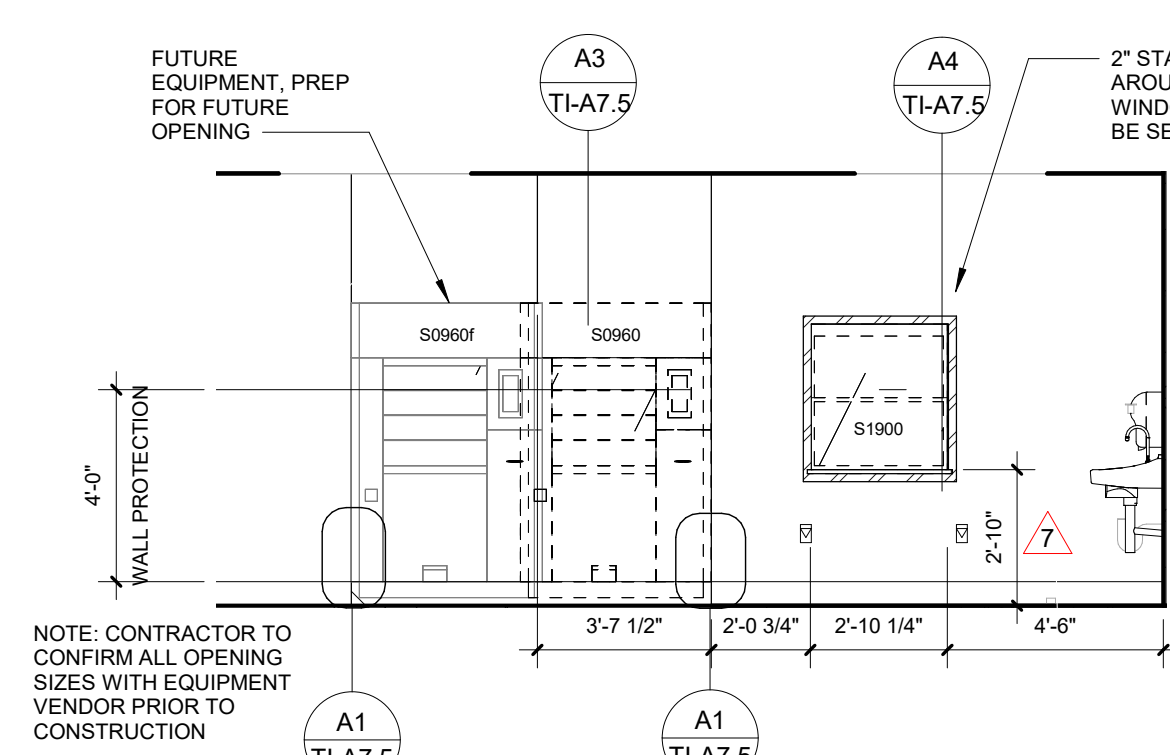
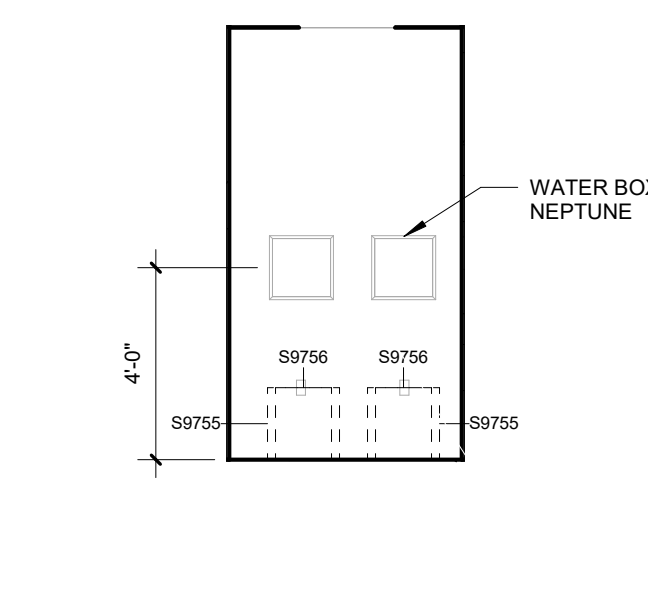
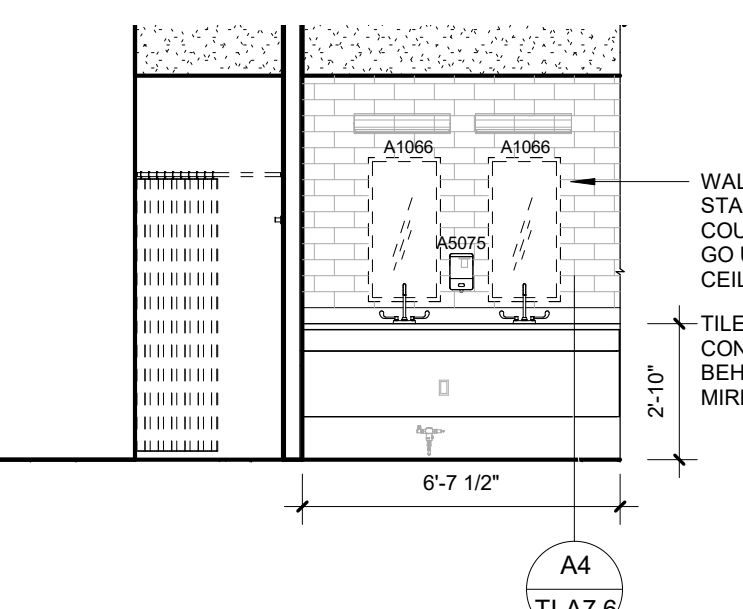
D5 177 - MENS LOCKER, NORTH
1/4" = 1'-0"

D4 177 - MENS LOCKER SINK
1/4" = 1'-0"

D3 176 - PATH LAB, WEST
1/4" = 1'-0"

D2 175 - WOMENS LOCKER, NORTH
1/4" = 1'-0"

D1 175 - WOMENS LOCKER, EAST
1/4" = 1'-0"



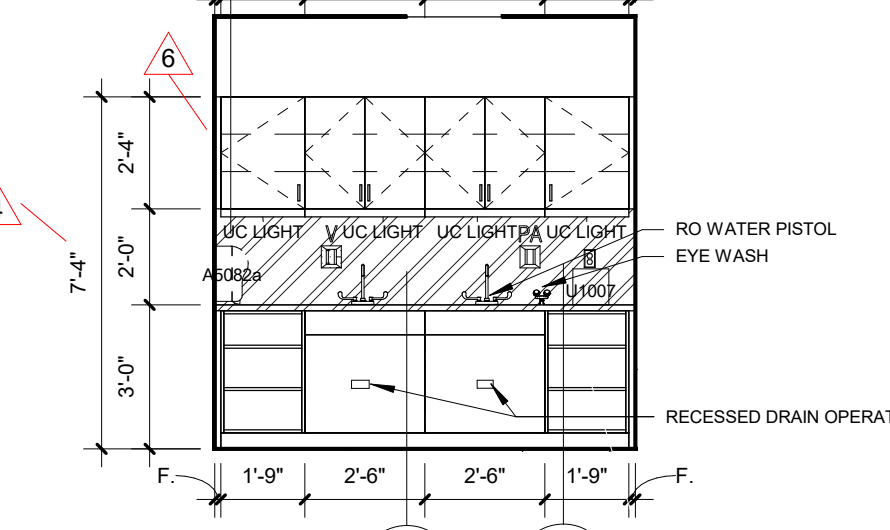
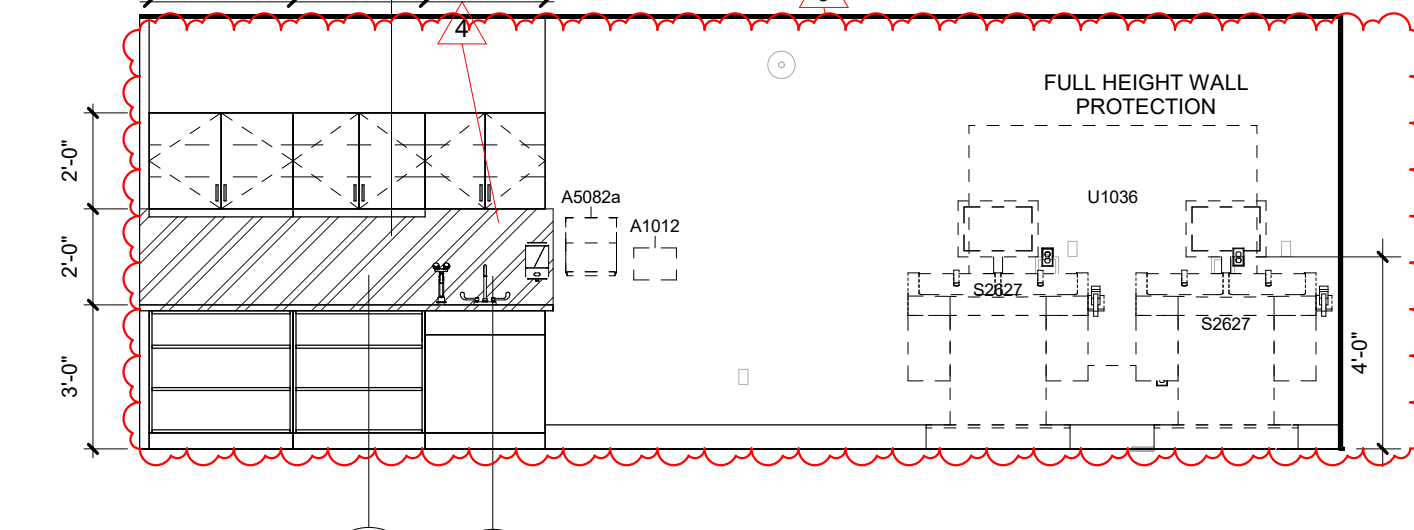
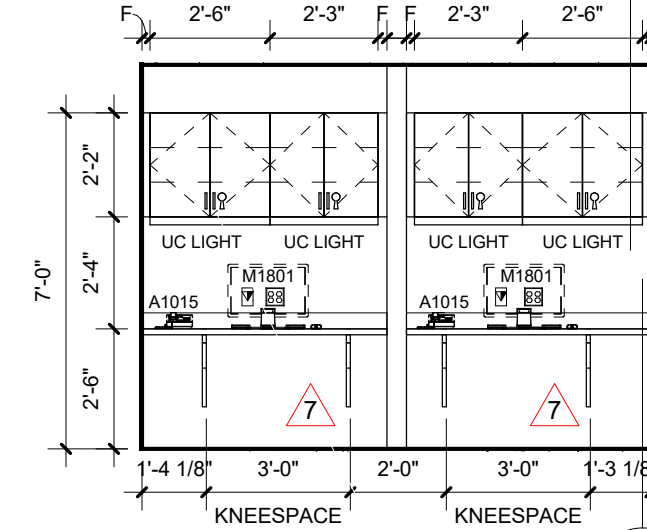
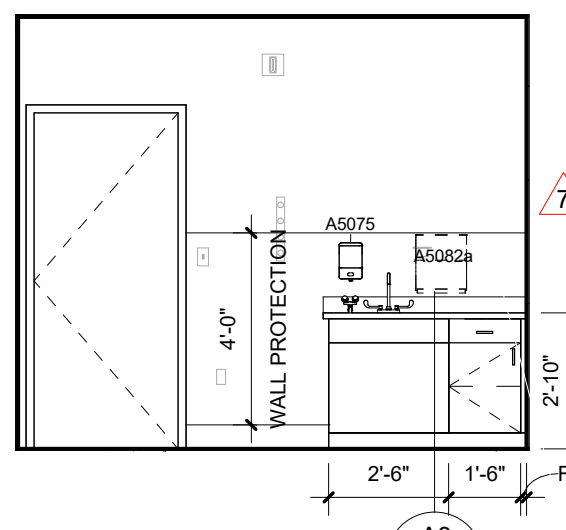
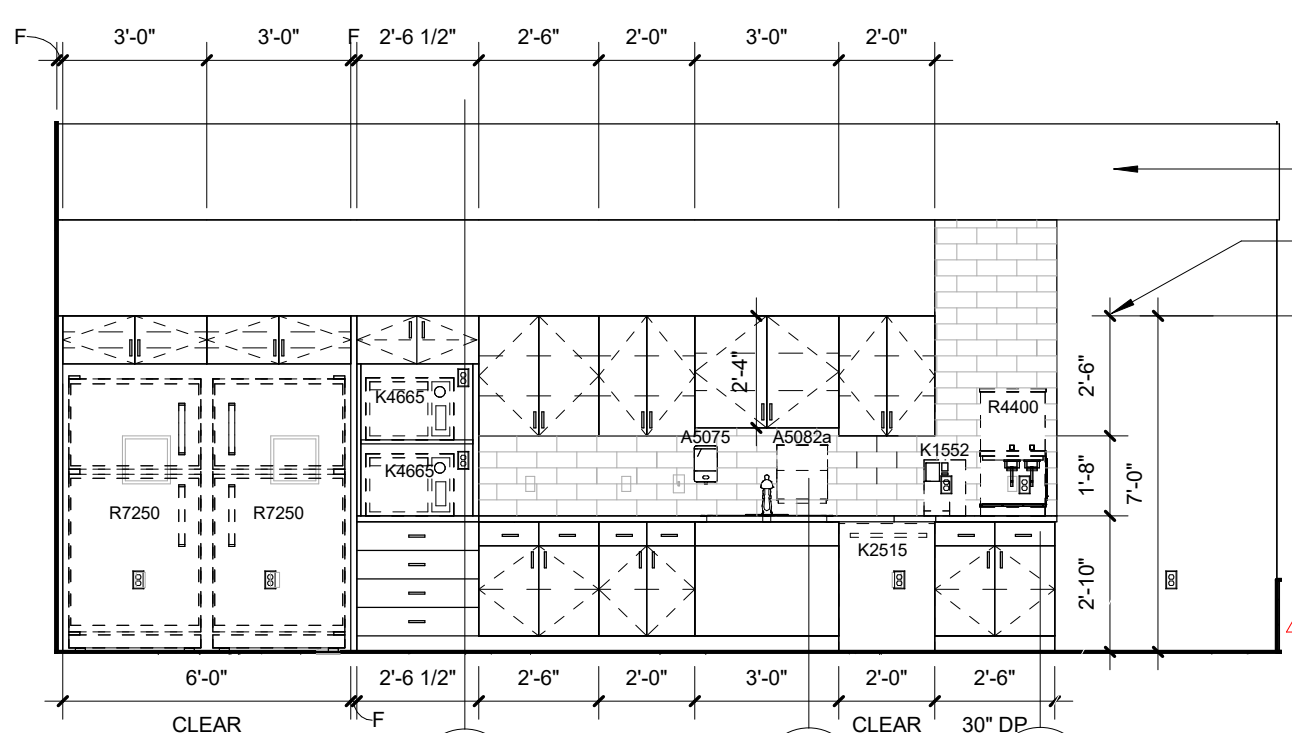
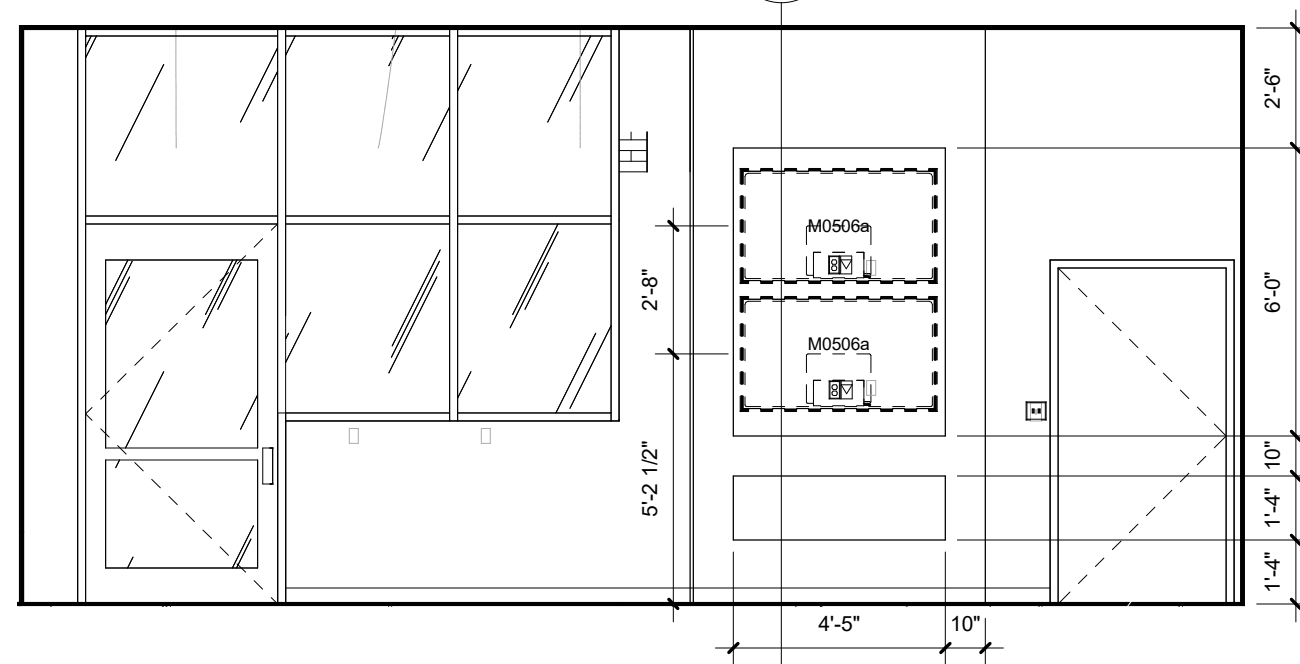
C6 175 - WOMENS LOCKER ROOM SINK
1/4" = 1'-0"

C5 172 - NEPTUNE WEST
1/4" = 1'-0"

C4 171 - STERILE ASSEMBLY, SOUTH
1/4" = 1'-0"

C3 171 - STERILE ASSEMBLY, NORTH
1/4" = 1'-0"

C1 171 - STERILE ASSEMBLY, EAST
1/4" = 1'-0"



B6 166 - STAFF LOUNGE, EAST
1/4" = 1'-0"

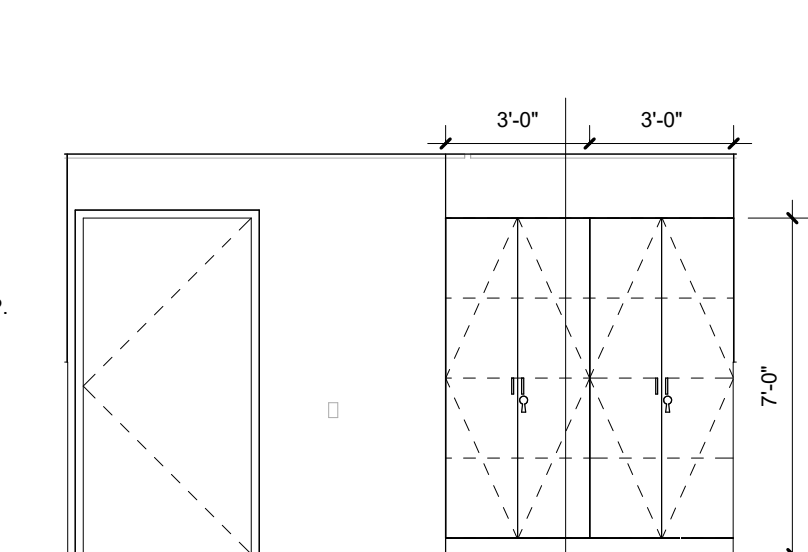
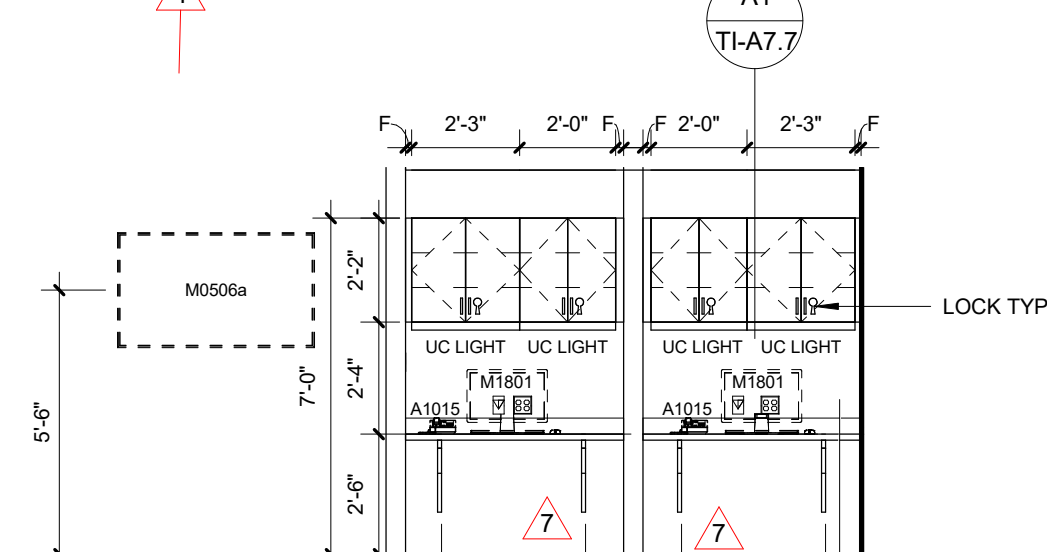
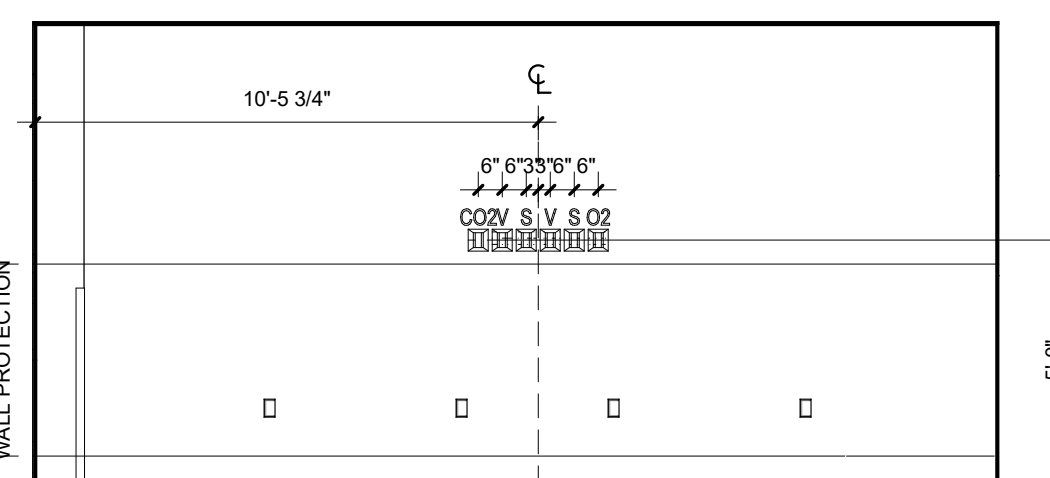
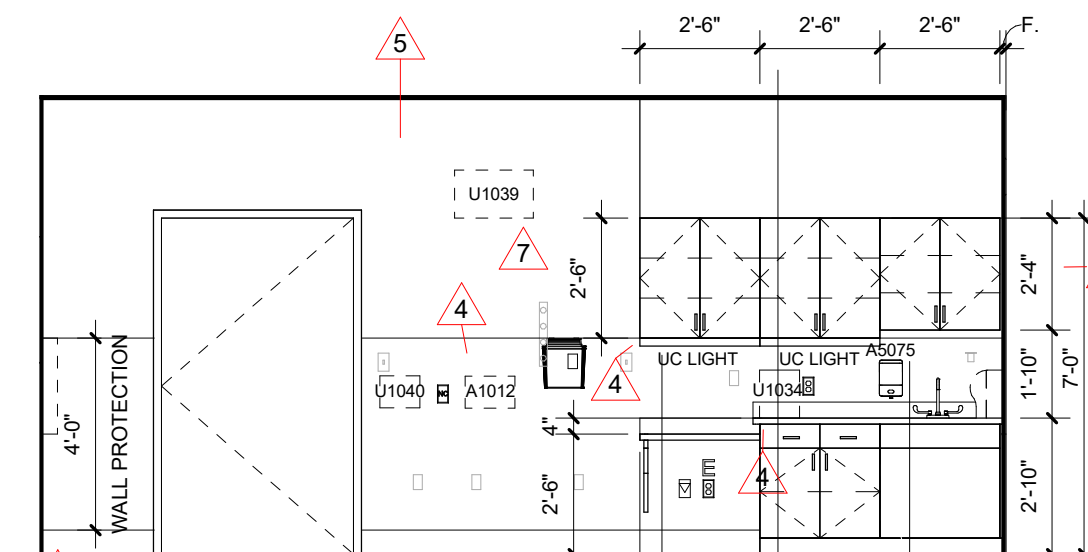
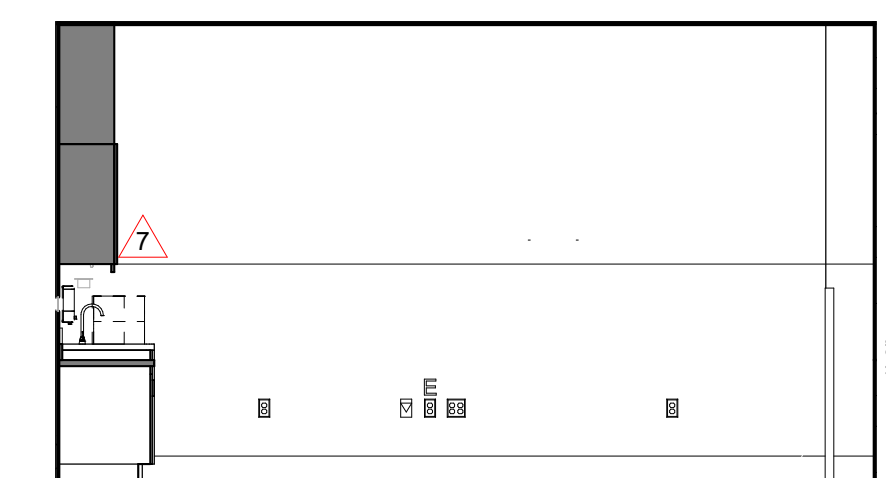
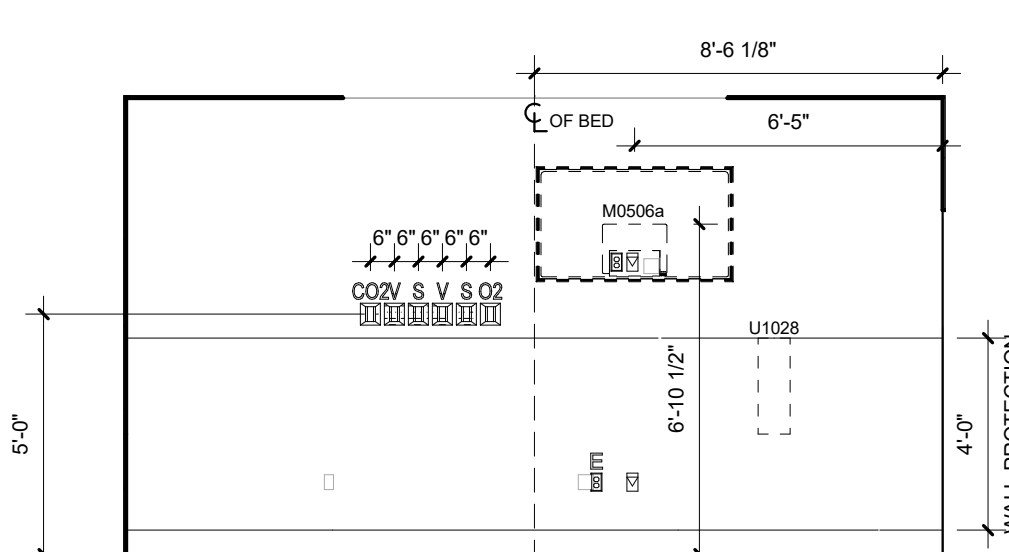
B5 166 - STAFF LOUNGE, WEST
1/4" = 1'-0"

B4 164 - SOILED WORKROOM, EAST
1/4" = 1'-0"

B3 162 - DICTATION, WEST
1/4" = 1'-0"

B2 155 - SCOPE REPROCESSING, SOUTH
1/4" = 1'-0"

B1 153 - SCOPE DECON, SOUTH
1/4" = 1'-0"



A6 152 - GI PROCEDURE, EAST
1/4" = 1'-0"

A5 152 - GI PROCEDURE, WEST
1/4" = 1'-0"

A4 152 - GI PROCEDURE, SOUTH
1/4" = 1'-0"

A3 152 - GI PROCEDURE, NORTH
1/4" = 1'-0"

A2 151 - DICT., SOUTH
1/4" = 1'-0"

A1 140 - ALCOVE, SOUTH
1/4" = 1'-0"

6

5

4

3

2

1

C6 100 - WAITING, MONITOR
1/4" = 1'-0"

C5 119 - ALCOVE, LOCKERS
1/4" = 1'-0"

C4 SCRUB CABINET WITH SHELVES
1/4" = 1'-0"

C3 104 - CHECK-IN, WEST
1/4" = 1'-0"

C2 192 - RECEIVING WORK STATION
1/4" = 1'-0"

B3 182 - SPD DECON, NORTH
1/4" = 1'-0"

B2 182 - SPD DECON, WEST
1/4" = 1'-0"

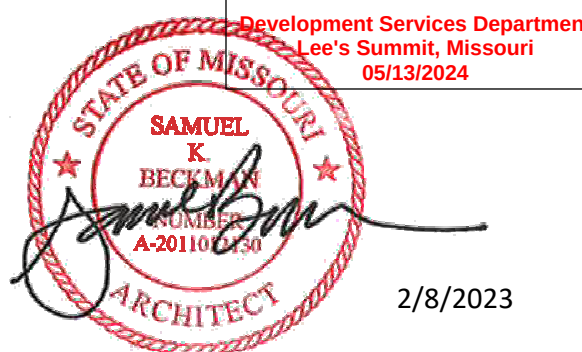
B1 182 - SPD DECON, SOUTH
1/4" = 1'-0"

A5 181 - TYP. OR EAST
1/4" = 1'-0"

A4 181 - TYP. OR SOUTH
1/4" = 1'-0"

A3 181 - TYP. OR NORTH
1/4" = 1'-0"

A1 180 - HALL, NORTH
1/4" = 1'-0"



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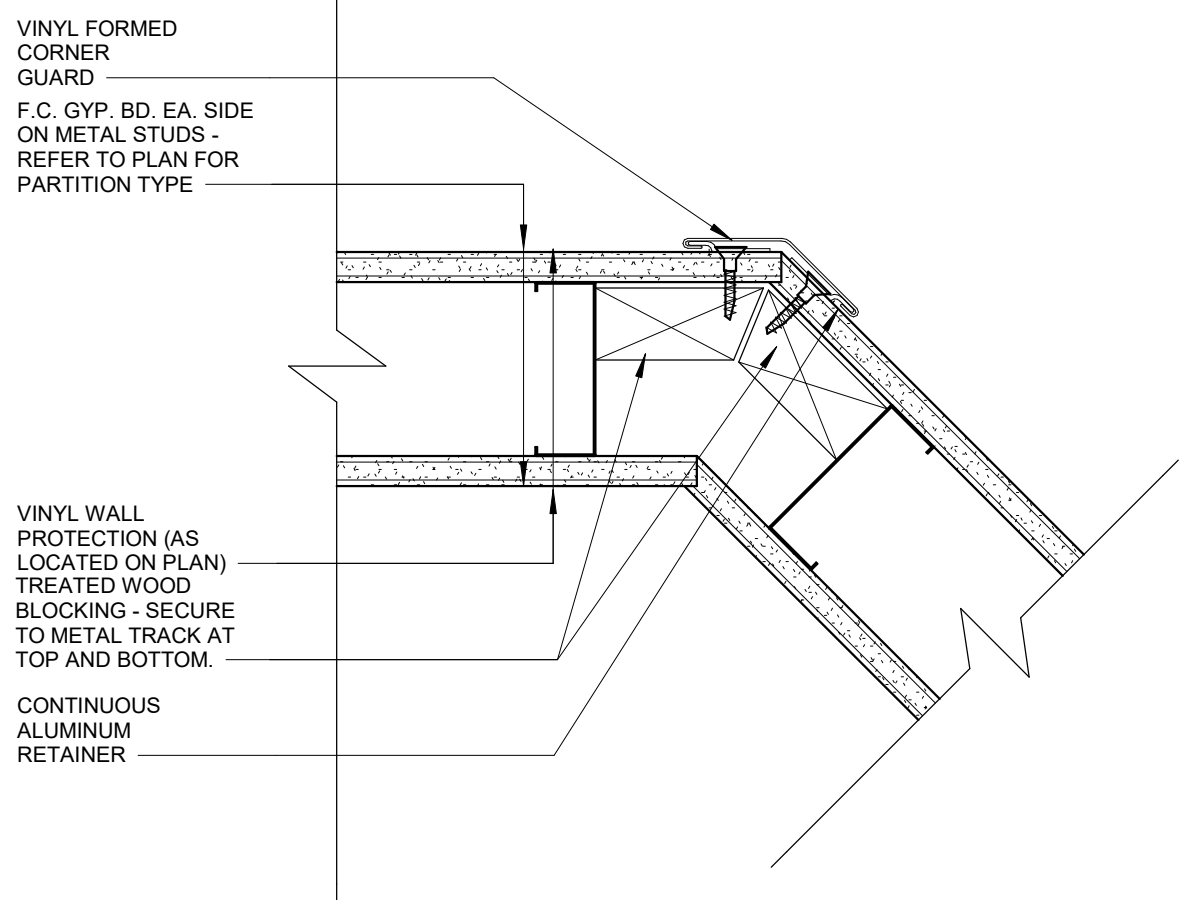
Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

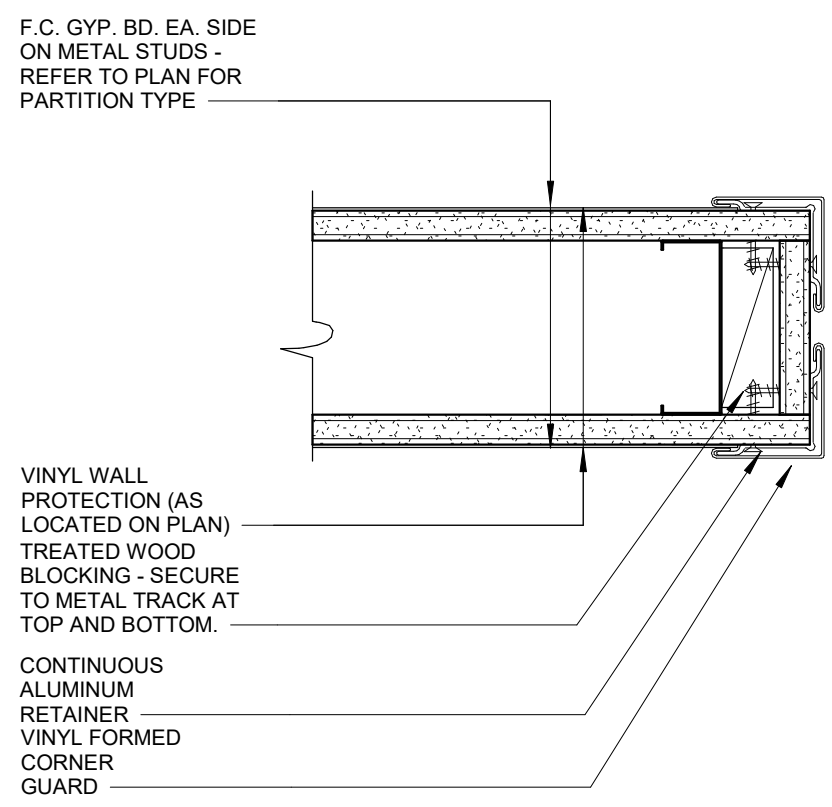
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INTERIOR ELEVATIONS

2/7/2024 3:52:47 PM

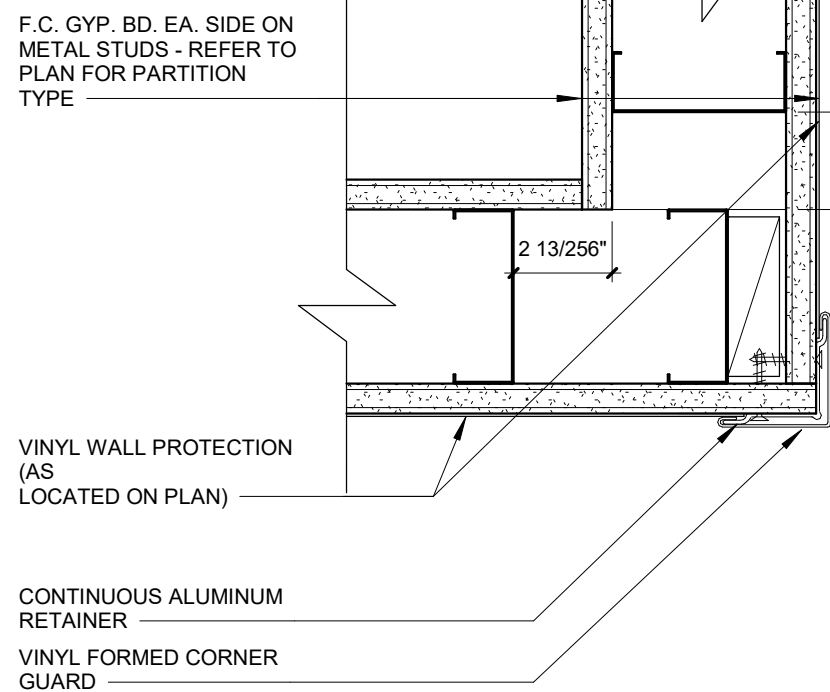
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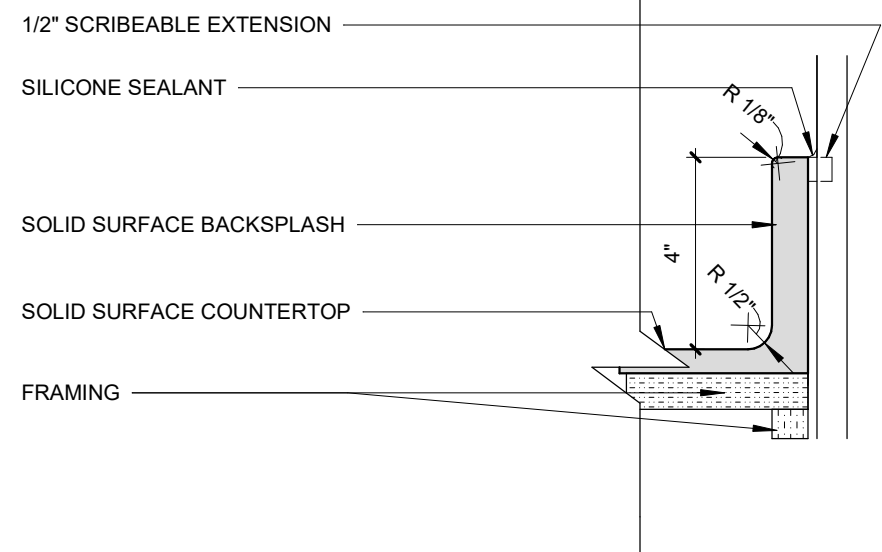
E6 TYPICAL ANGLED VINYL CORNER GUARD
3" = 1'-0"



E5 TYPICAL DOUBLE VINYL CORNER GUARD
3" = 1'-0"



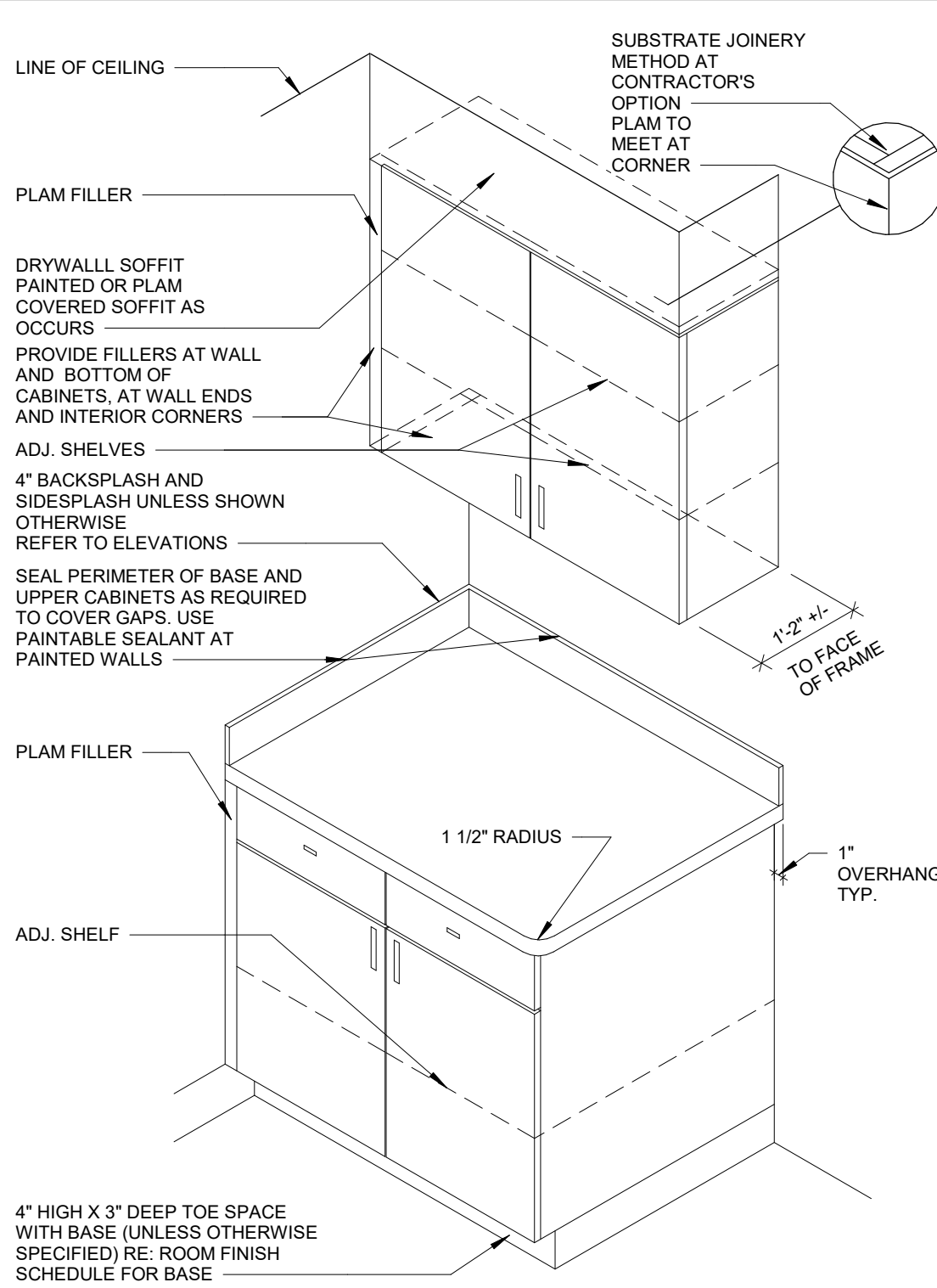
E4 TYPICAL SINGLE VINYL CORNER GUARD
3" = 1'-0"



E3 SECTION DETAIL AT SOLID SURFACE BACKSPLASH
3" = 1'-0"

GENERAL CASEWORK NOTES

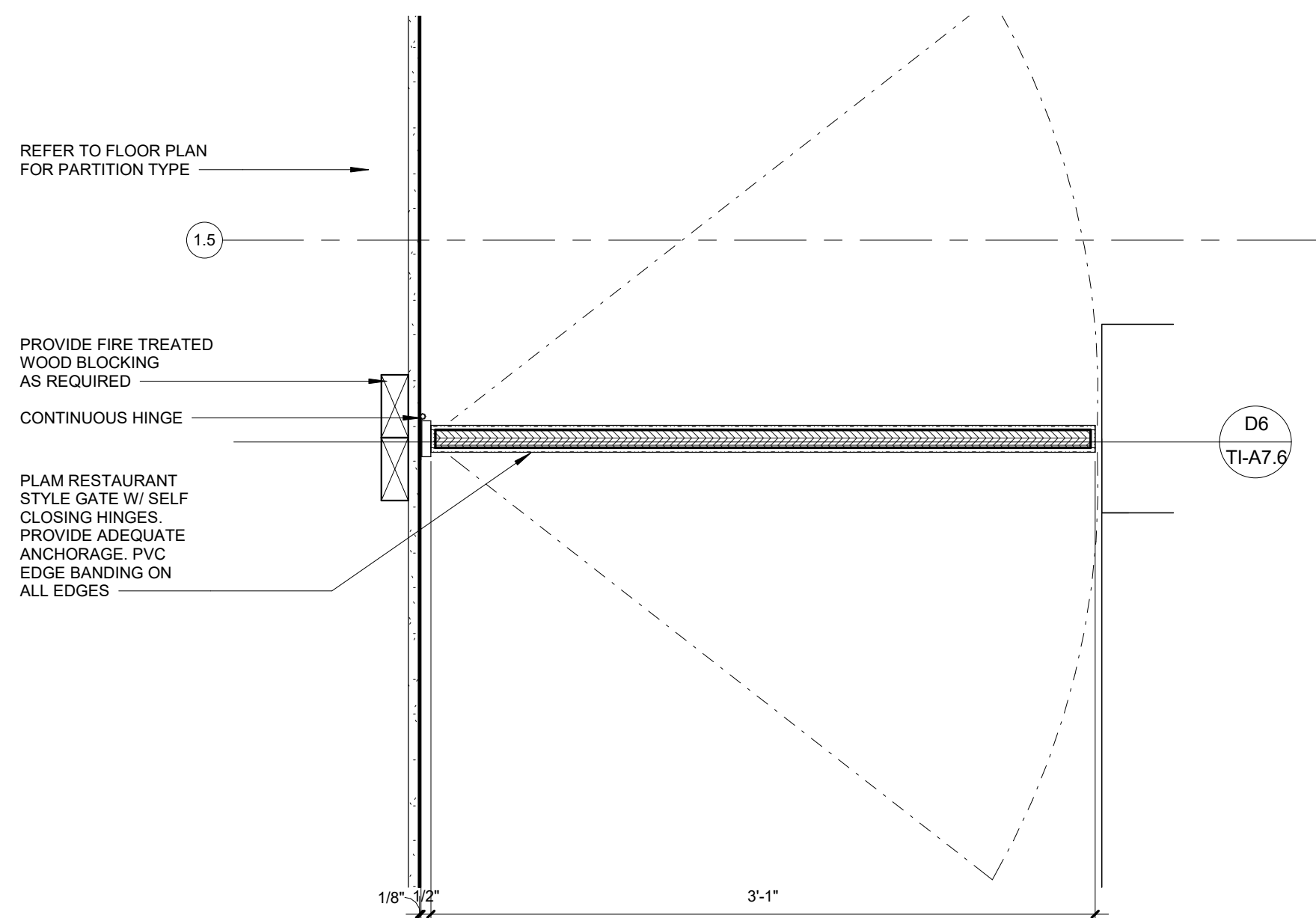
- GENERAL CASEWORK NOTES APPLY TO ALL INTERIOR ELEVATIONS.
- PROVIDE 3 MM PVC EDGE BANDING ON COUNTERTOP EDGE AND (018 MIN.) VINYL EDGING ON DRAWER AND DOOR EDGES UNLESS NOTED OTHERWISE. EDGE BANDING TO MATCH ADJACENT P. LAM. SURFACE.
- ALL EXPOSED FACES AND SHELVES TO BE WRAPPED WITH P. LAM. UNLESS NOTED OTHERWISE.
- ALL INTERIOR SURFACES TO BE WHITE MELAMINE U.N.O.
- PROVIDE WOOD BLOCKING OR 12" HIGH X 16 GA. CONTINUOUS SHEET METAL BRIDGING IN WALL AS REQUIRED FOR ADEQUATE SUPPORT OF ALL CASEWORK.
- WALL BASE TO BE INSTALLED ON ALL CASEWORK UNLESS NOTED OTHERWISE. REFER TO FINISH SCHEDULE FOR TYPE.
- ALL CASEWORK PULL HANDLES TO BE HAFELE 103.84.004 BRUSHED NICKEL (5") UNLESS NOTED OTHERWISE.
- ALL CASEWORK HINGES TO BE BLUM #73T558 CONCEALED 125 DEGREE OPEN UNLESS NOTED OTHERWISE.
- "F" INDICATES FILLER PANEL. 1-1/2" MIN.
- PROVIDE FINISHED ENDS AT ALL EXPOSED ENDS OF CASEWORK.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS SHOWN IN ELEVATION ARE FOR REFERENCE AND LOCATION ONLY. REFER TO MEP DRAWINGS FOR SIZES, TYPES AND QUANTITIES.
- ALL SOFFITS ABOVE CASEWORK TO BE P. LAM. UNLESS NOTES OTHERWISE.
- PROVIDE METAL DRIP TRAY WHERE UNDER CABINET WATER FILTERS OR PLUMBING CONNECTIONS OCCUR.



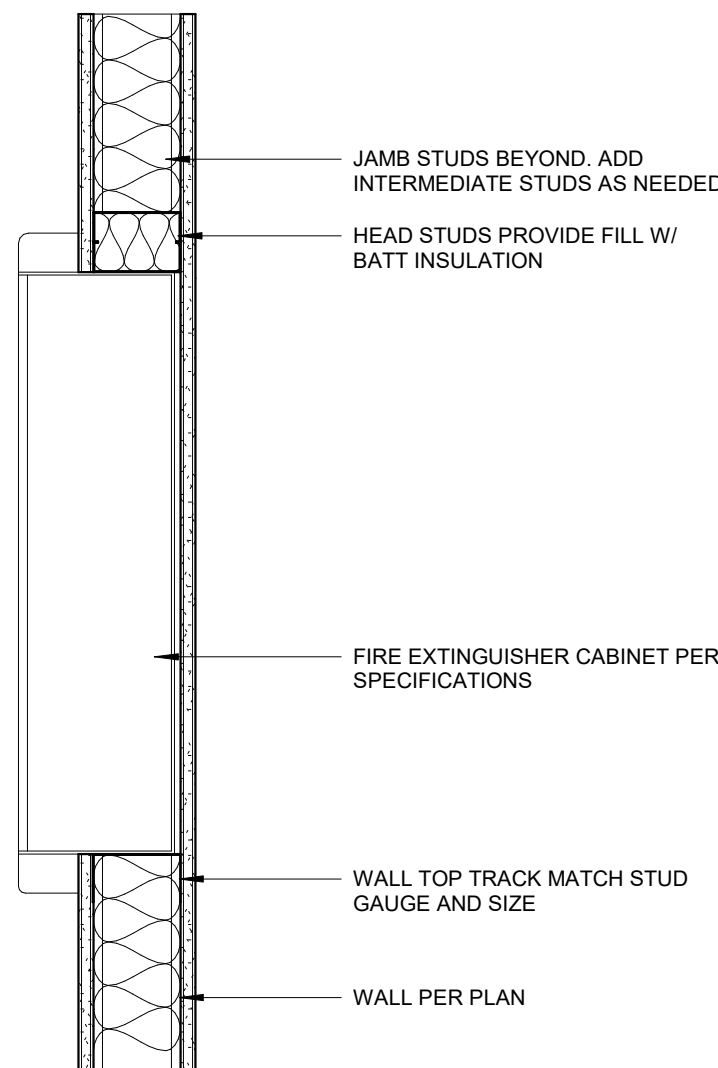
TYP. CABINET NOTES:

- PROVIDE PLAM FILLER WHERE CABINETS BUTT UP TO WALLS.
- ALL COUNTERTOPS HAVE A 4" BACKSPLASH (MATERIAL TO MATCH COUNTERTOP) AND OUTSIDE CORNERS HAVE 1 1/2" RADIUS EXCEPT WHERE NOTED OTHERWISE.
- CASEWORK MFR. TO SUPPLY (2) - 2" [GROMMETS PER KNEESPACE. GROMMETS TO BE INSTALLED IN FIELD AS DIRECTED BY OWNER. COLOR TO BE SELECTED BY ARCHITECT.]
- PLASTIC LAMINATE COUNTERTOP EDGES SHALL BE 3 MM PLASTIC. COLOR AS SELECTED BY ARCHITECT.]

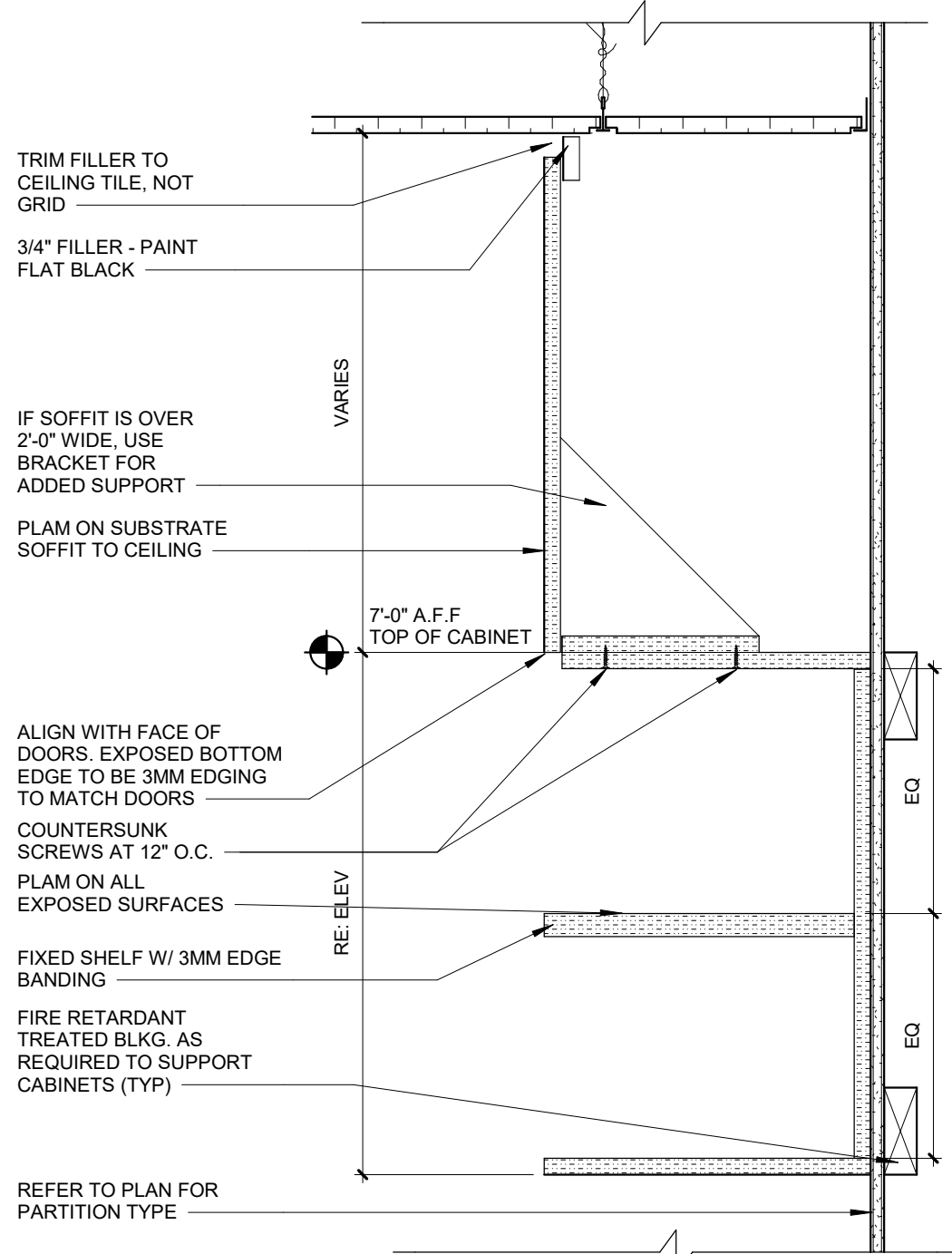
D1 CASEWORK ISOMETRIC
1 1/2" = 1'-0"



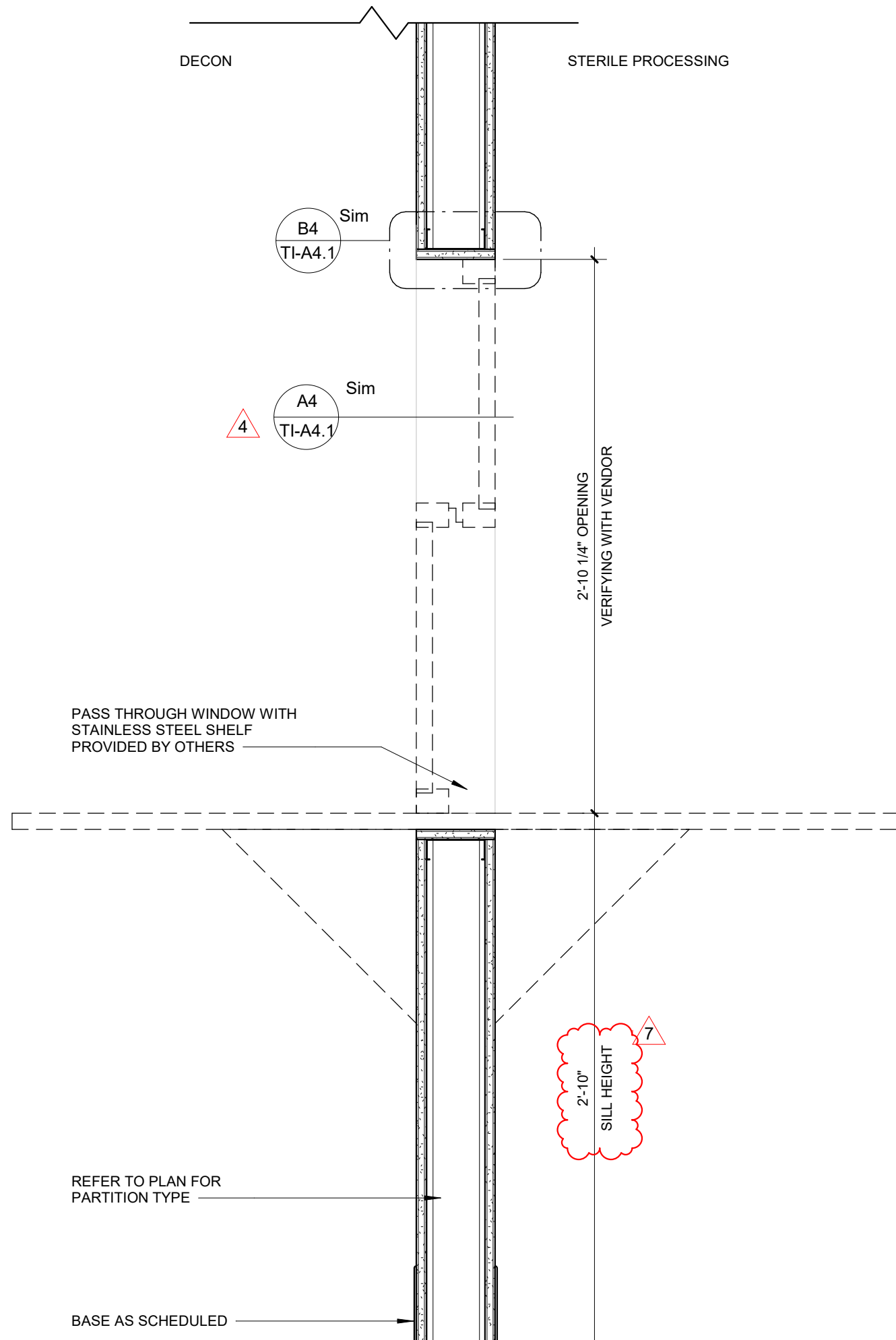
C6 RECEPTION DESK DOOR DETAIL
1 1/2" = 1'-0"



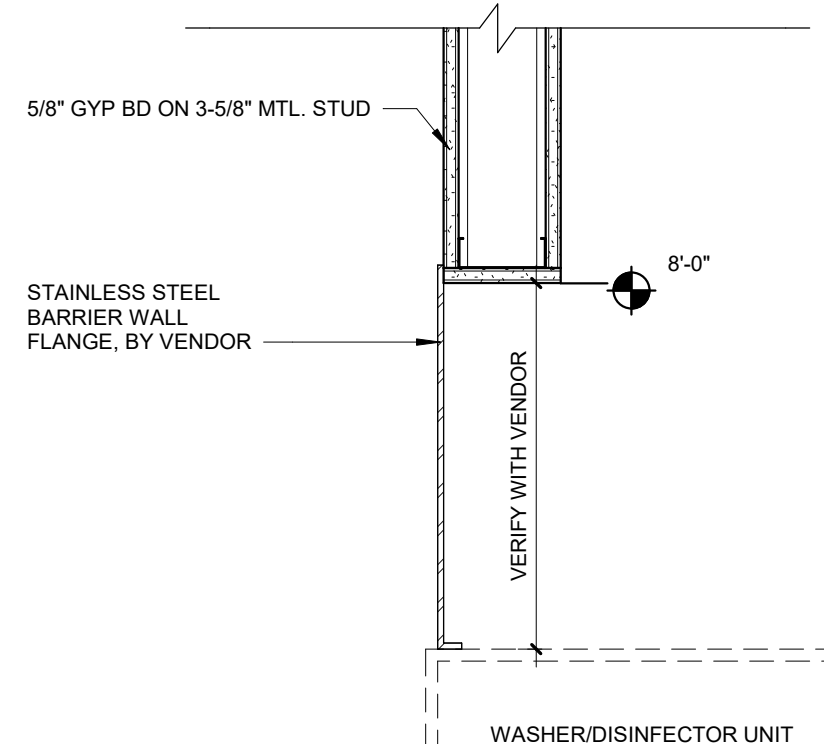
A6 DETAIL AT FIRE EXTINGUISHER
1 1/2" = 1'-0"



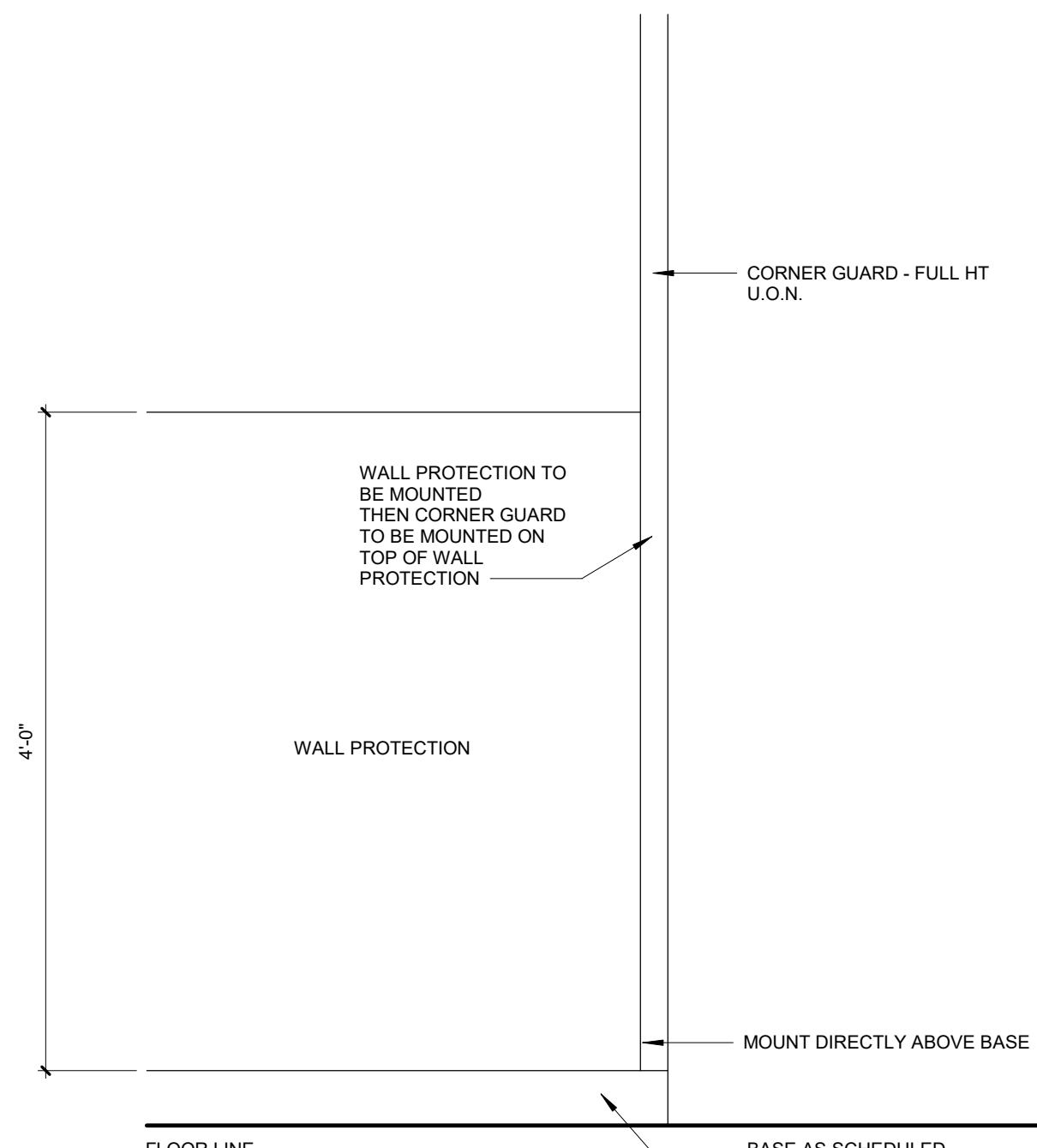
A5 DETAIL AT OPEN UPPER CABINET
1 1/2" = 1'-0"



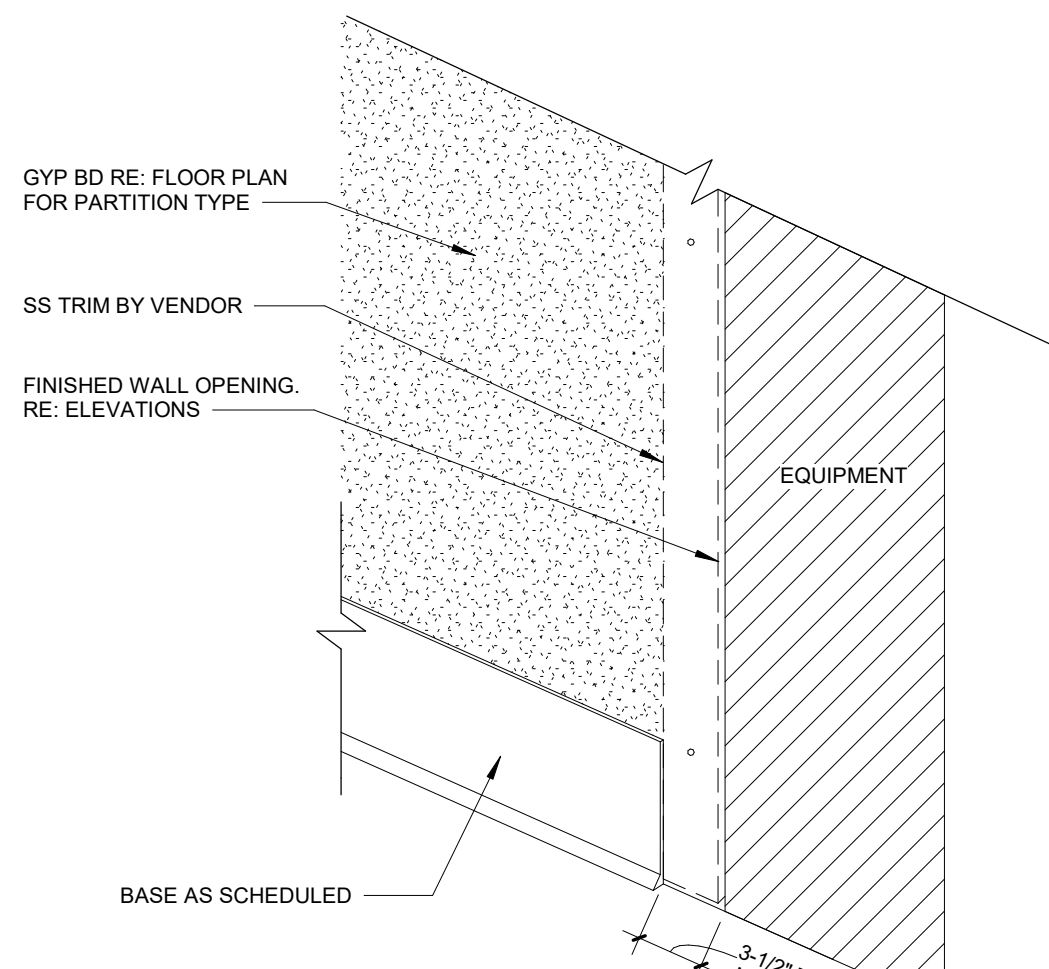
A4 DETAIL AT PASS THRU WINDOW
1 1/2" = 1'-0"



A3 SECTION AT WASHER DISINFECTOR
1 1/2" = 1'-0"



A2 TYP. ELEV. OF WALL PROTECTION/CORNER GUARD
1" = 1'-0"



A1 BASE COPING AT WALL OPENING
1 1/2" = 1'-0"

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Development Services Department
Lee's Summit, Missouri
06/13/2024

2/8/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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Date 02/08/23
Job Number 3-22030
Drawn By Author
Checked By Checker

Number	Date	Description
4	10/05/23	ASI 1
7	2/7/24	ASI 4

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INTERIOR DETAILS



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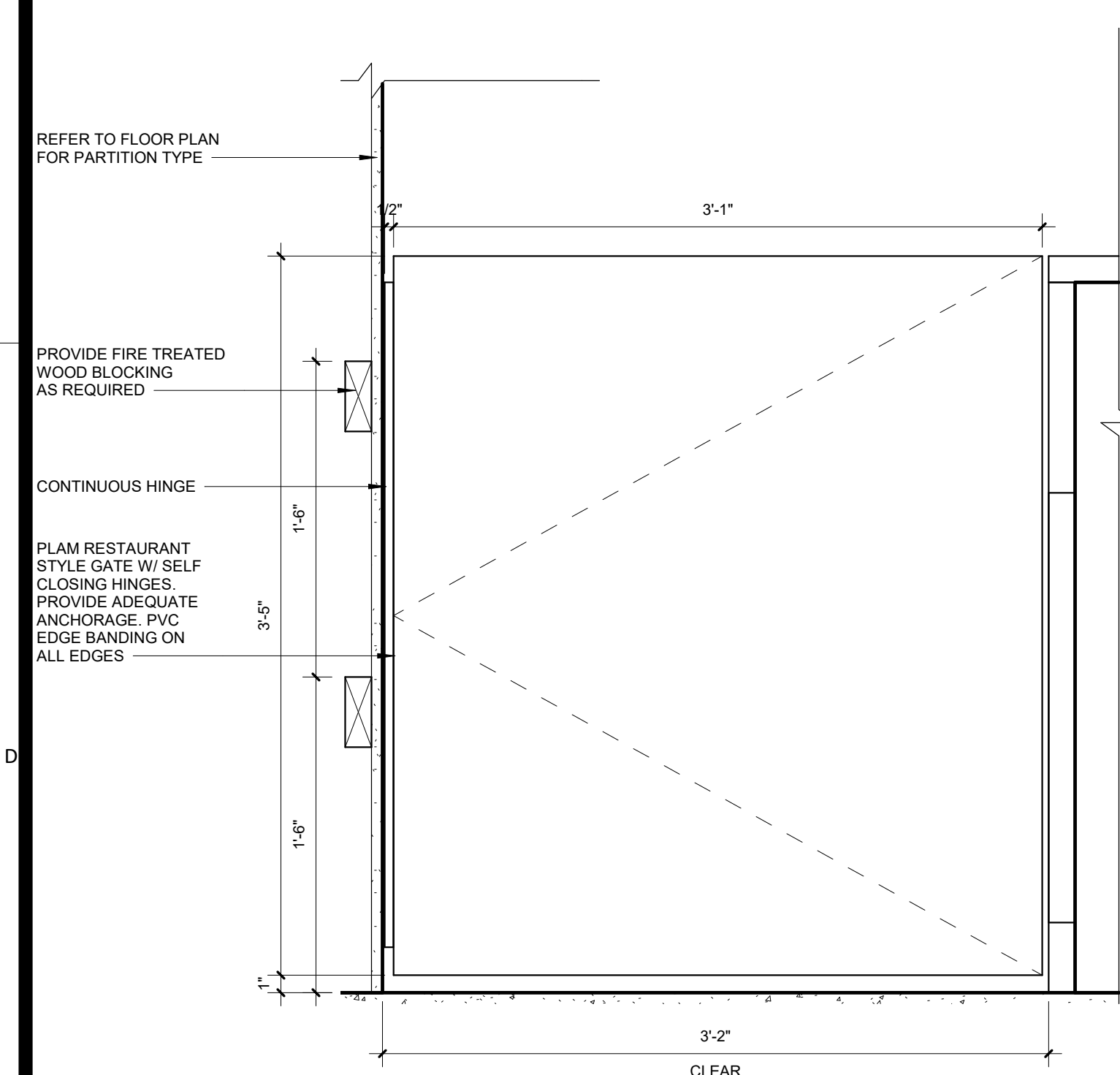
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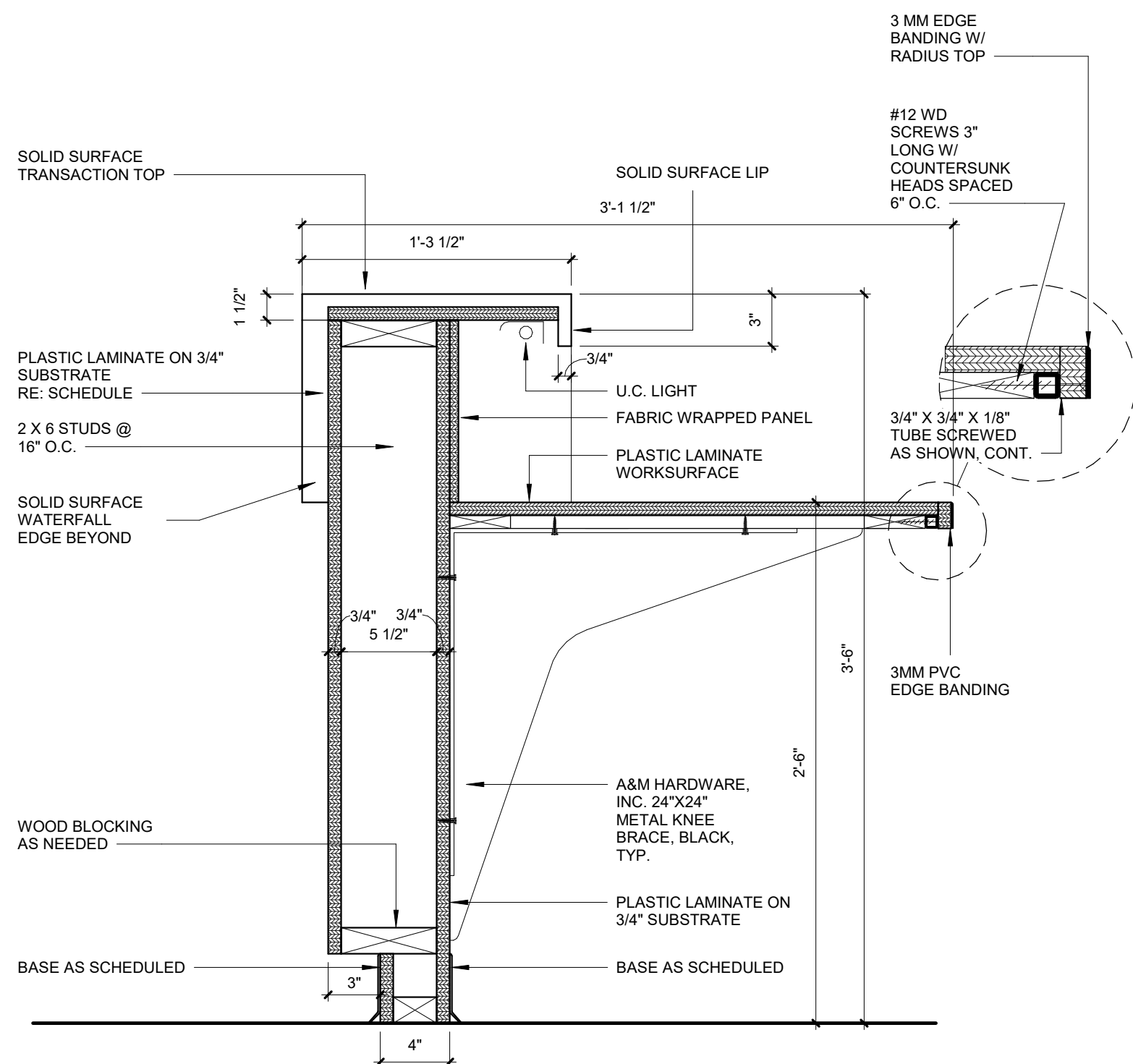
Revision		
Number	Date	Description
7	2/7/24	ASI 4

TI-A7.6

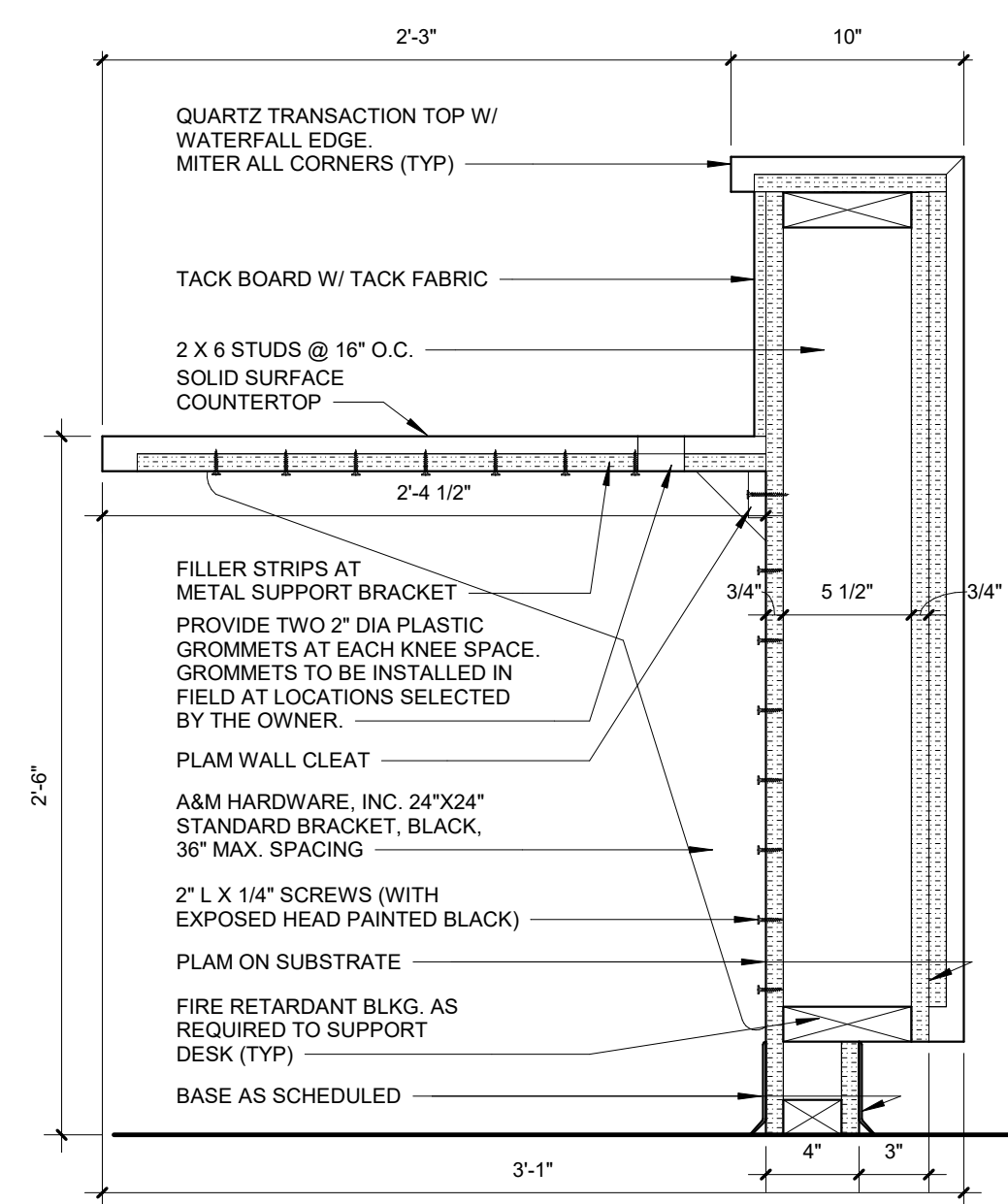
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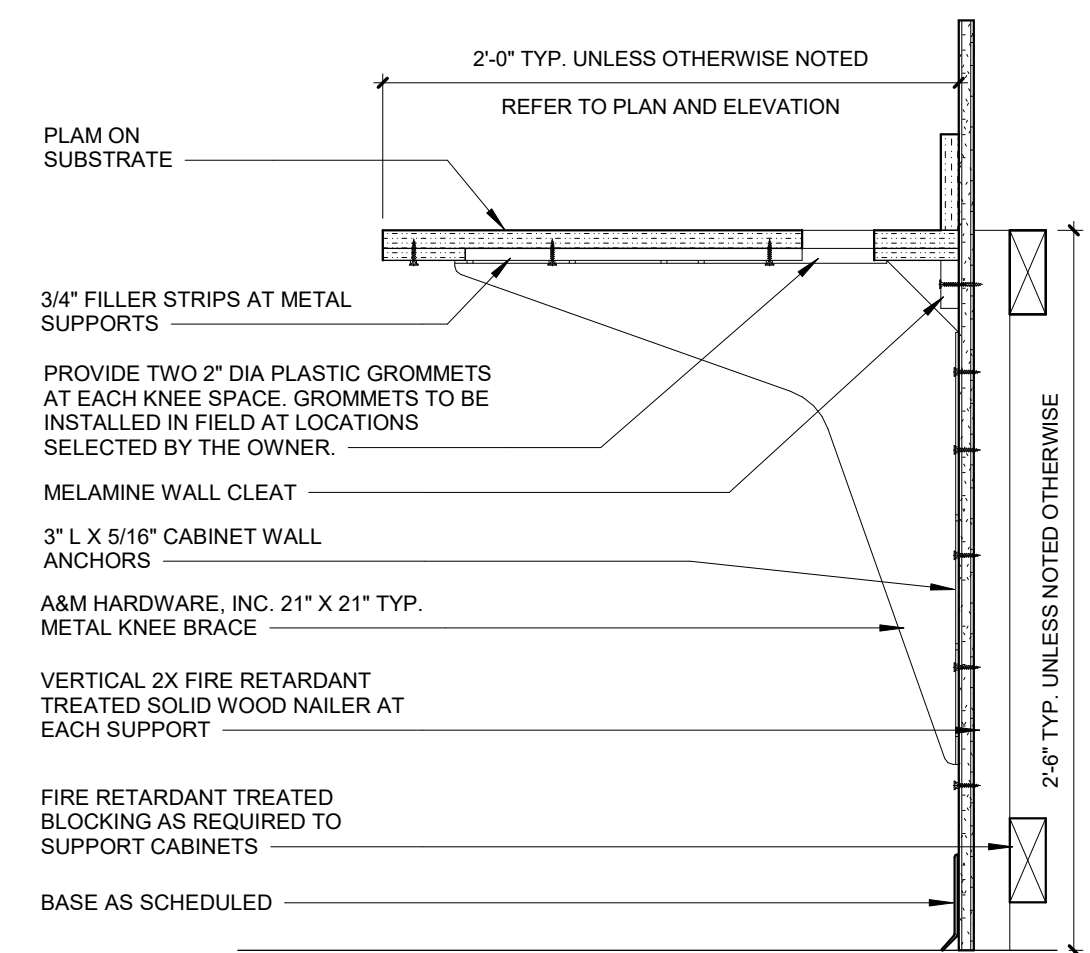
D6 SECTION DETAIL AT RECEPTION DESK DOOR
1 1/2" = 1'-0"



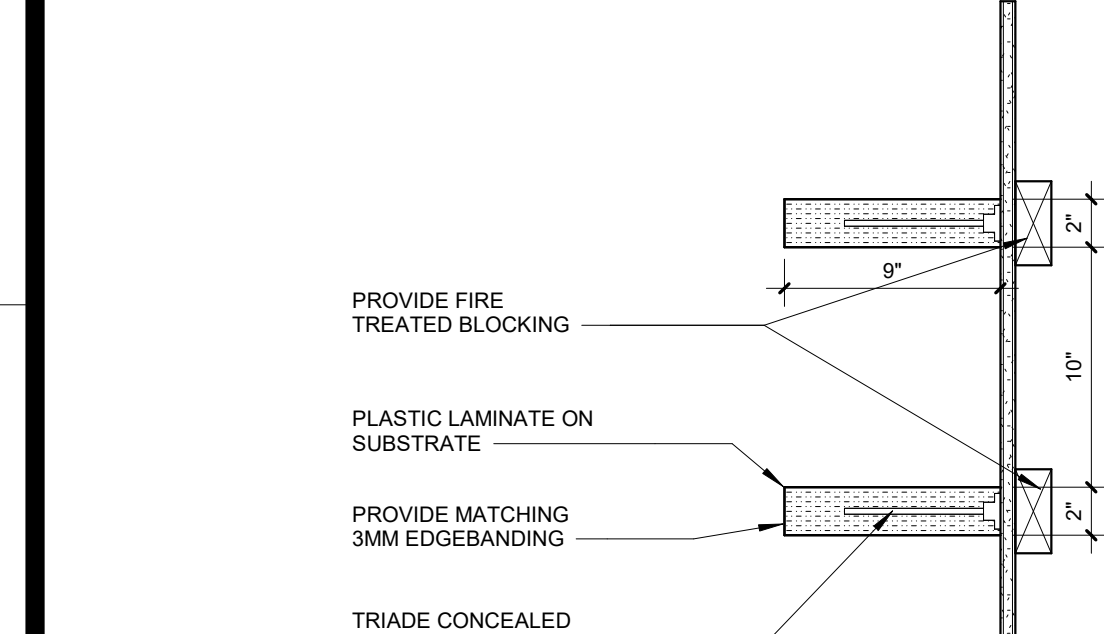
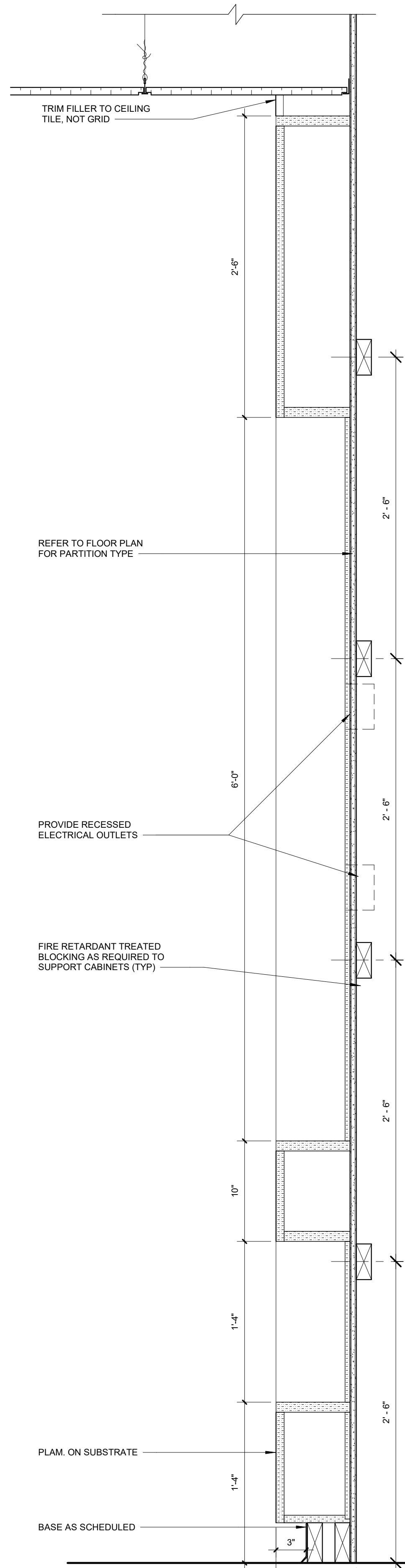
D5 SECTION AT NURSE STATION
1 1/2" = 1'-0"



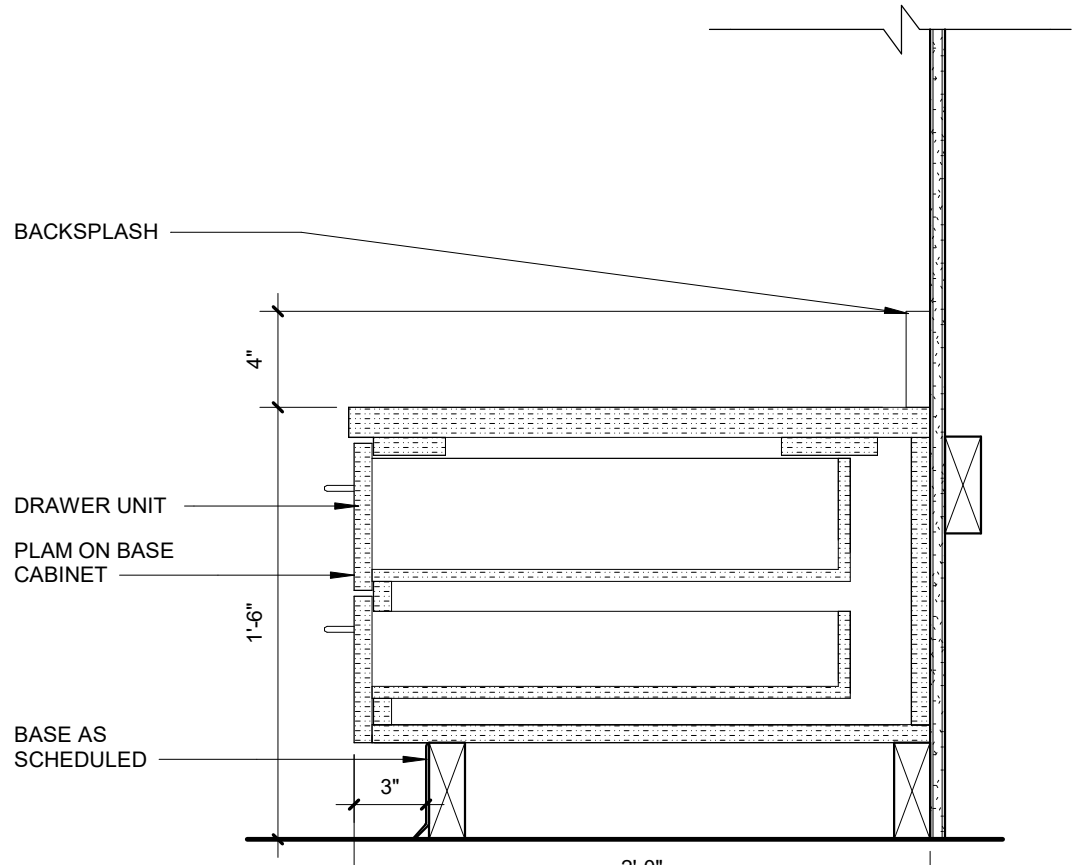
D2 DETAIL AT RECEPTION - TRANSACTION
1 1/2" = 1'-0"



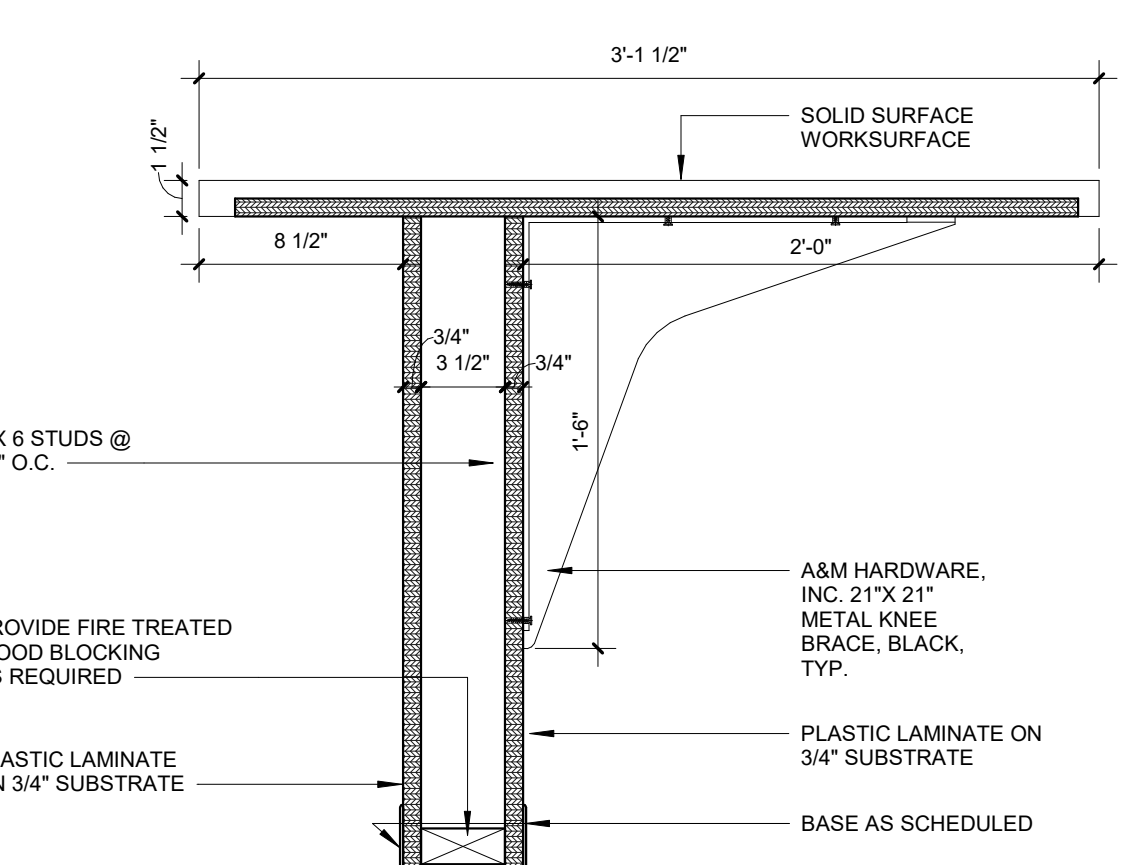
D1 SECTION DTL. AT SUPPORT BRACKET / KNEE SPACE
1 1/2" = 1'-0"



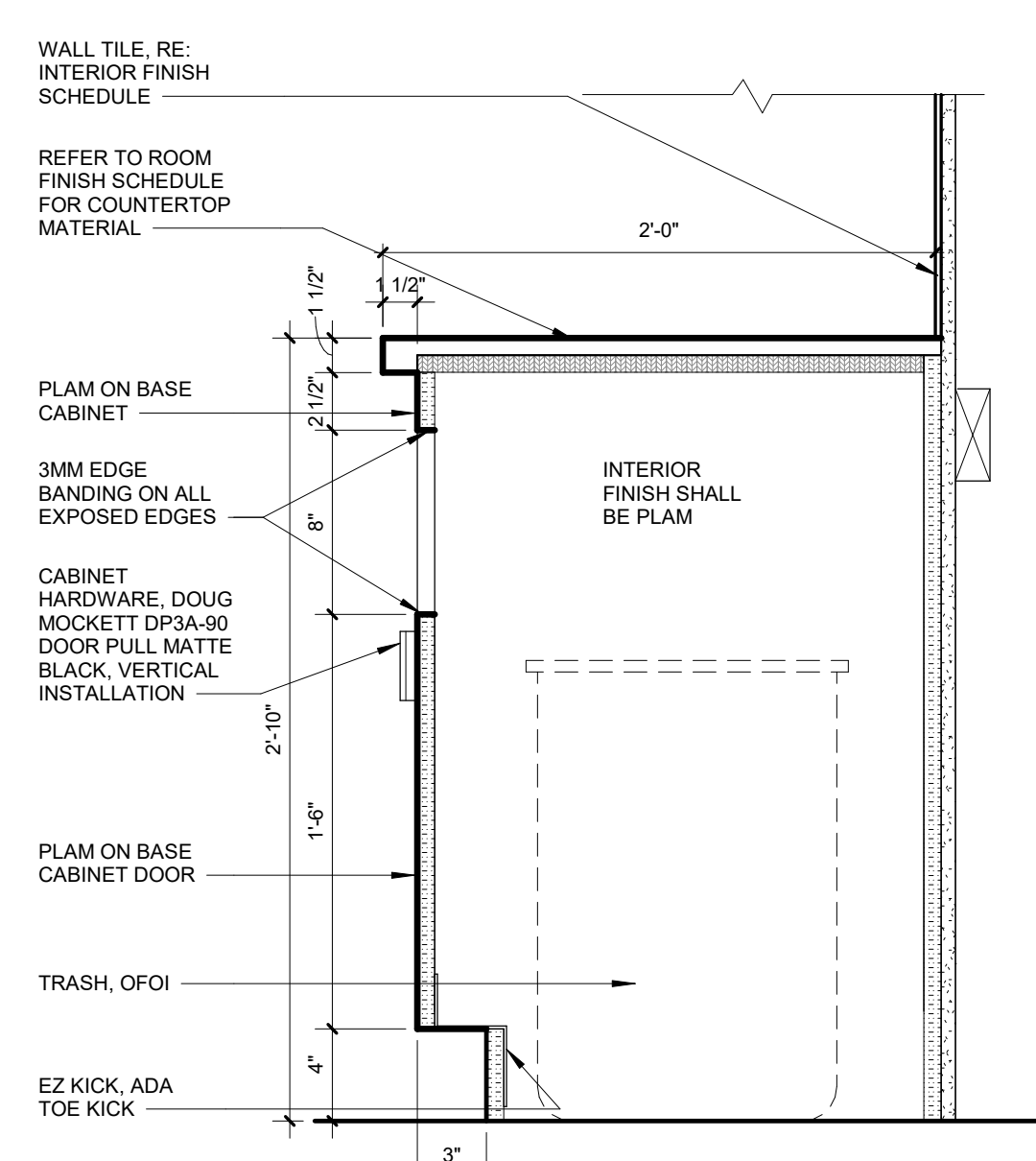
B6 DETAIL AT WALL MOUNTED FLOATING SHELVES
1 1/2" = 1'-0"



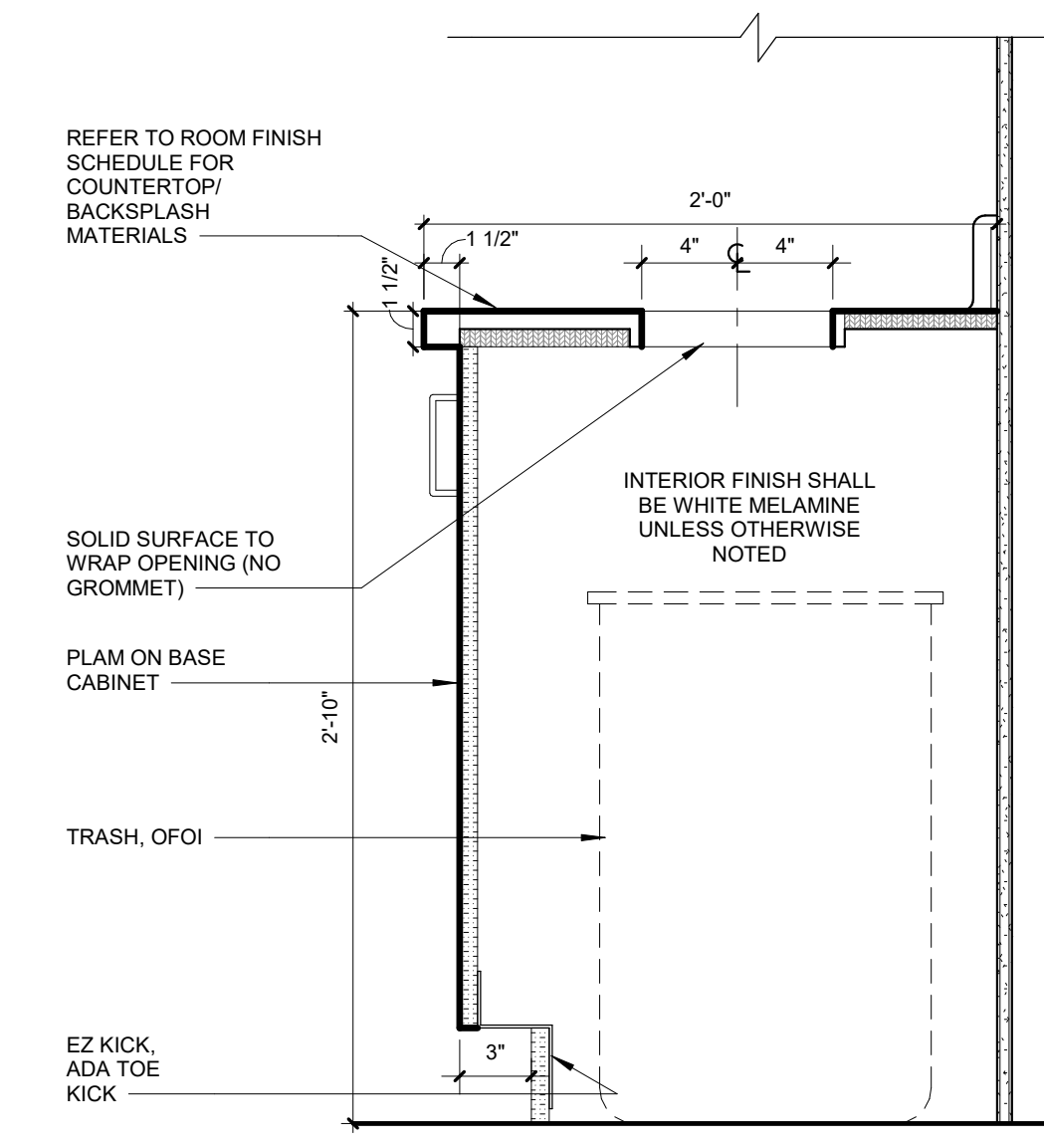
B5 NURSE STATION PRINTER CABINET SECTION
1 1/2" = 1'-0"



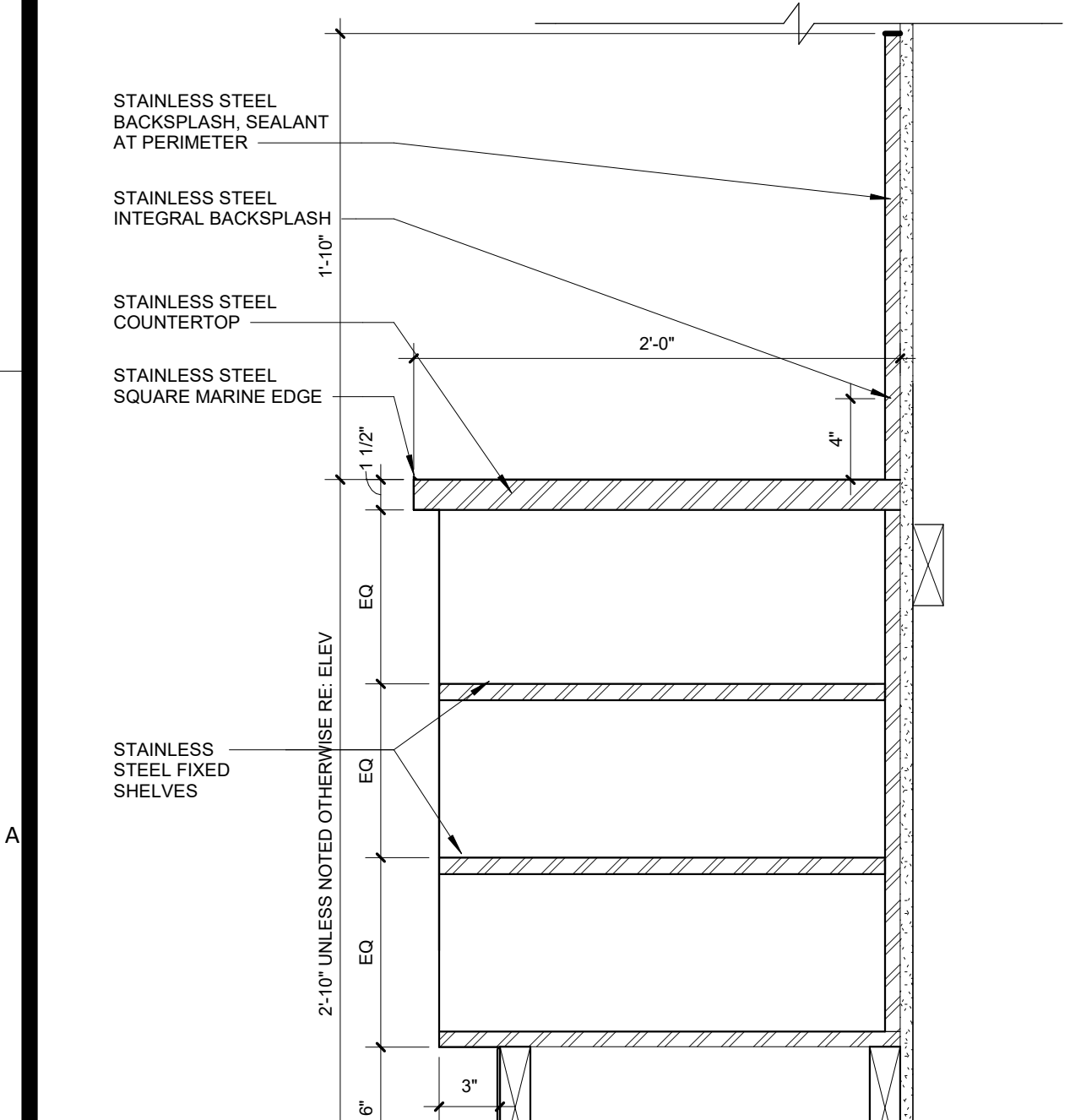
B4 DETAIL AT RECEPTION WORK SURFACE
1 1/2" = 1'-0"



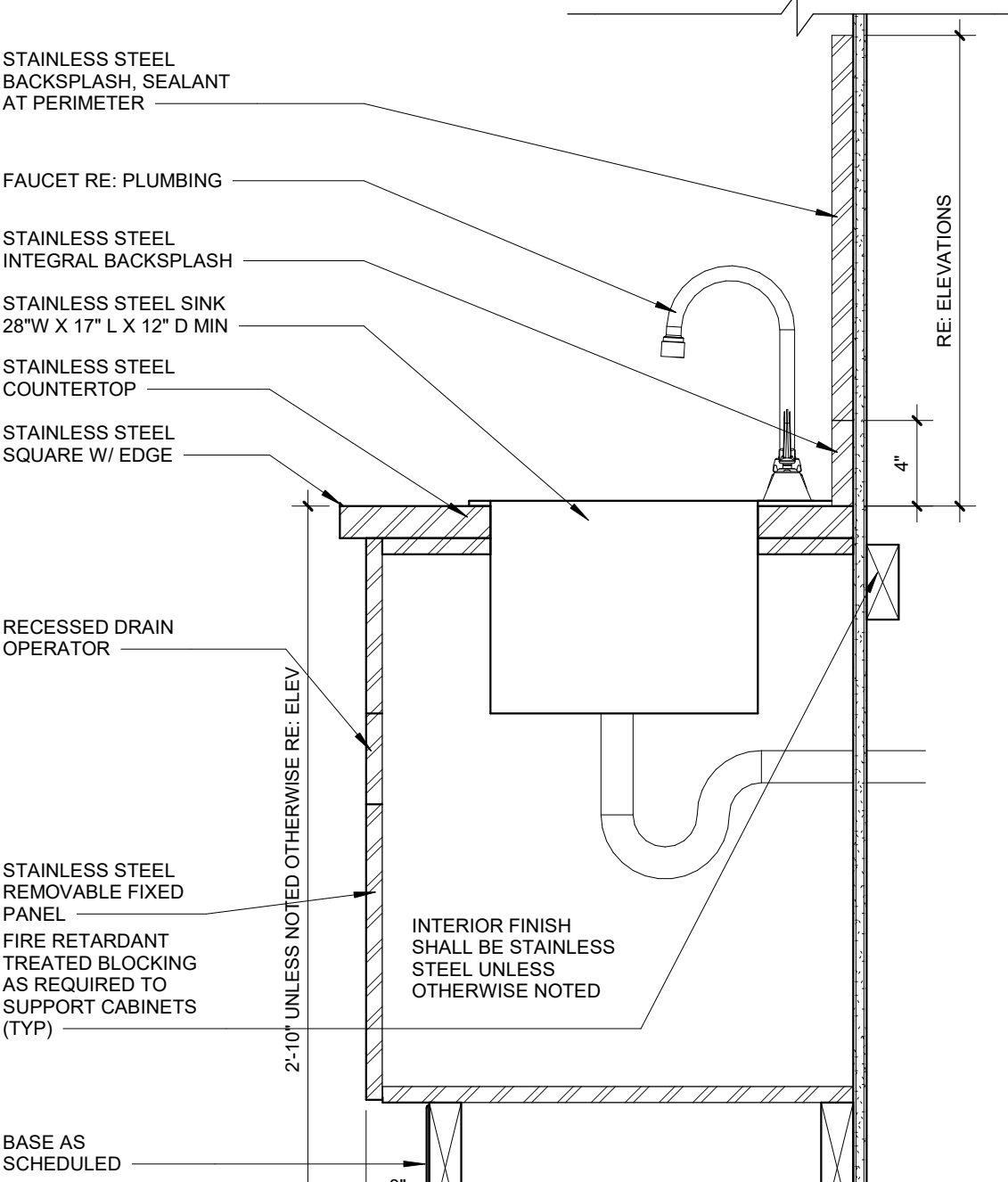
B3 DETAIL AT TRASH
1 1/2" = 1'-0"



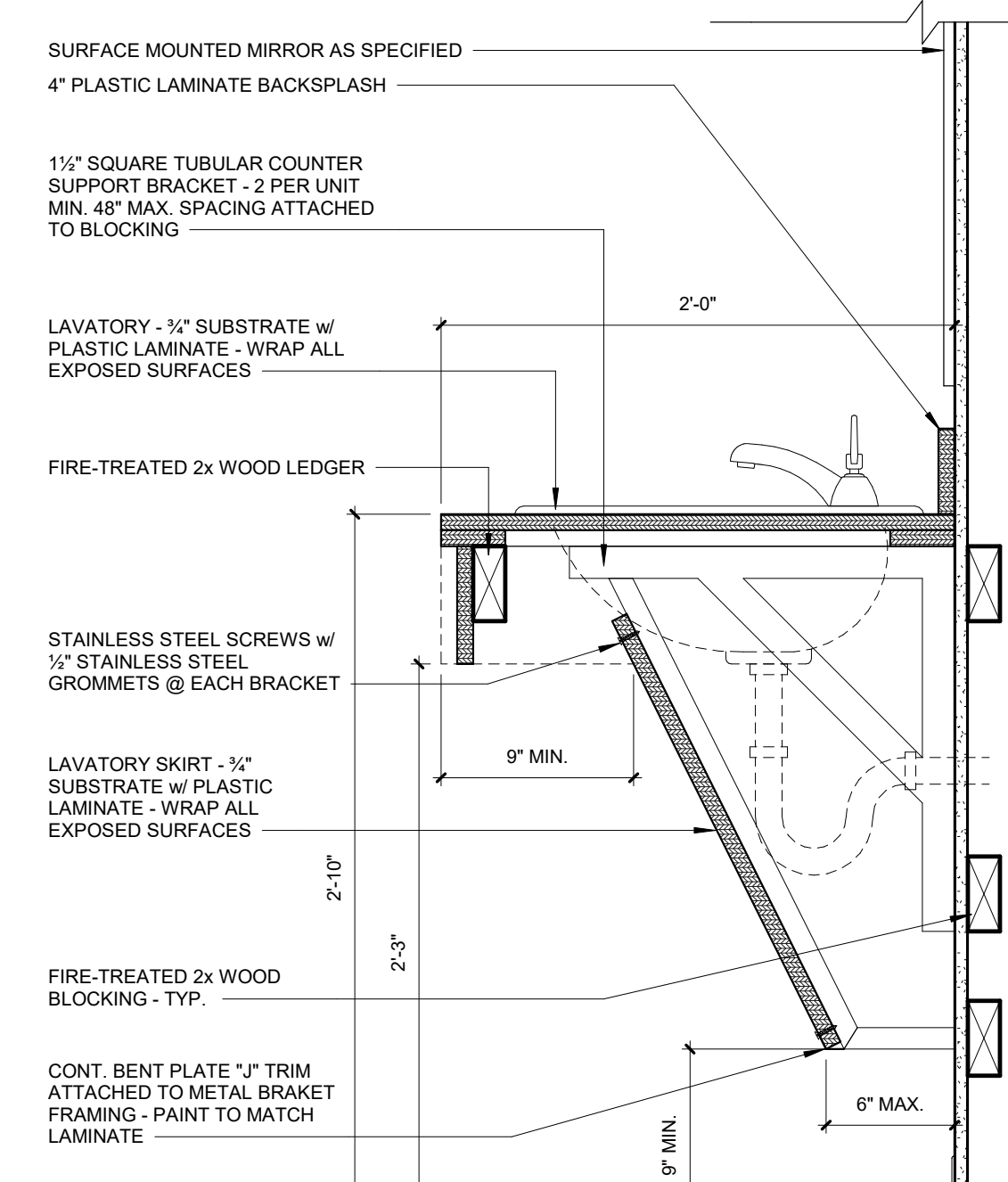
B2 DETAIL AT TRASH - COUNTERTOP
1 1/2" = 1'-0"



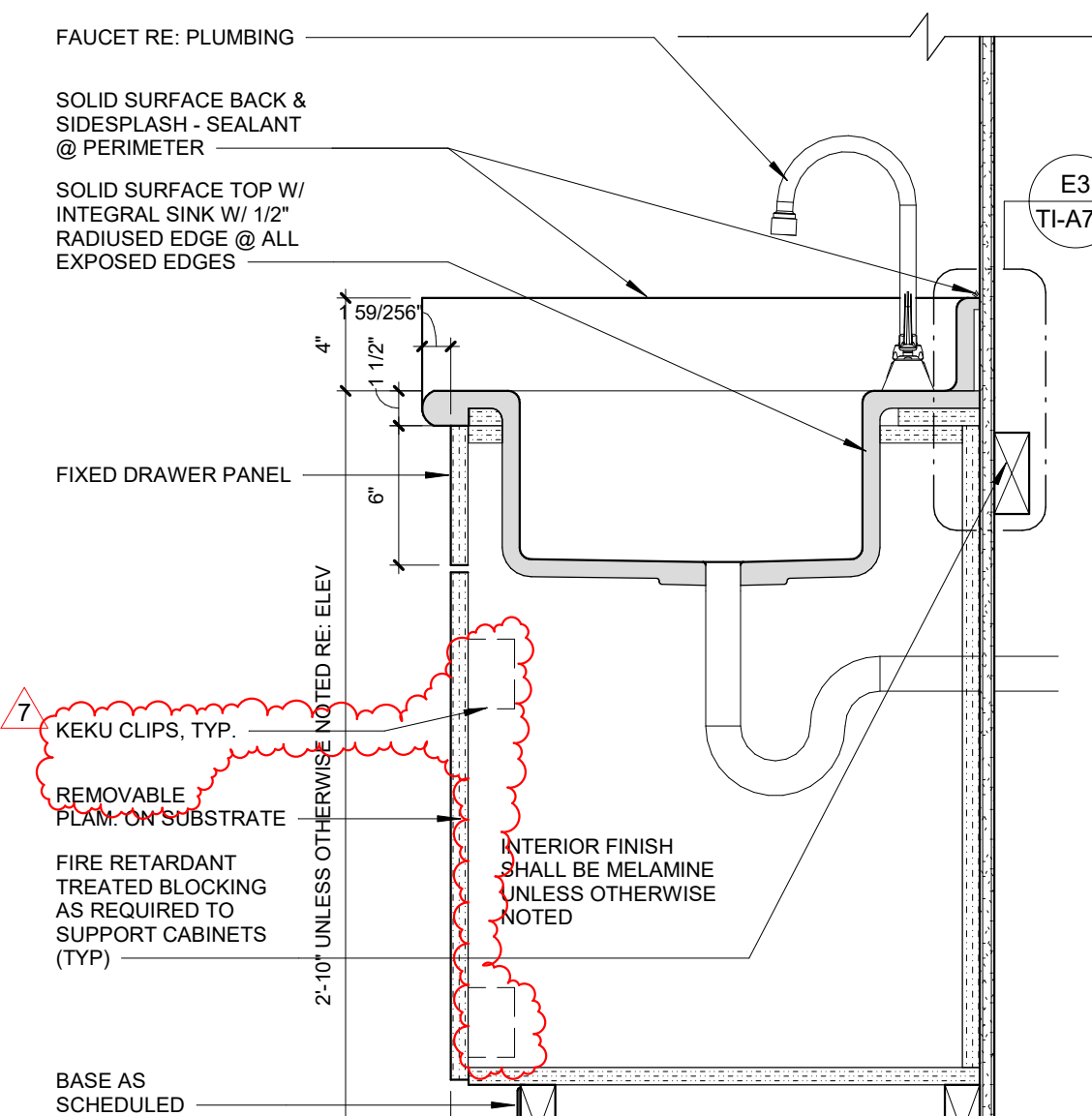
A6 STAINLESS STEEL CASEWORK SECTION
1 1/2" = 1'-0"



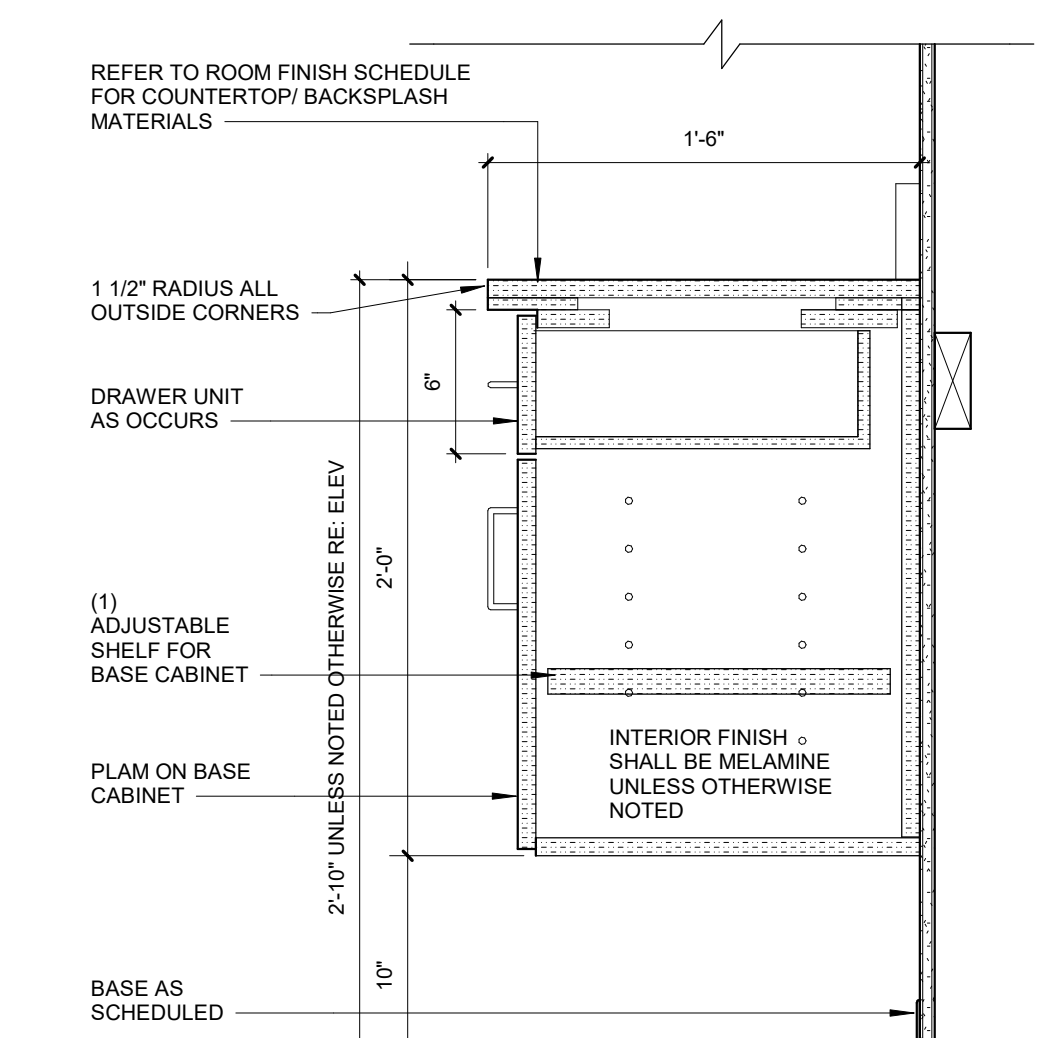
A5 SECTION DETAIL AT SINK - STAINLESS STEEL
1 1/2" = 1'-0"



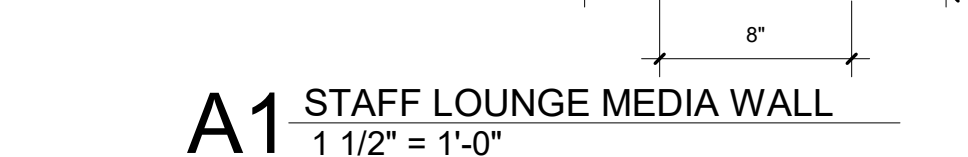
A4 SINK BASE CABINET SECTION
1 1/2" = 1'-0"



A3 SINK BASE CABINET SECTION
1 1/2" = 1'-0"



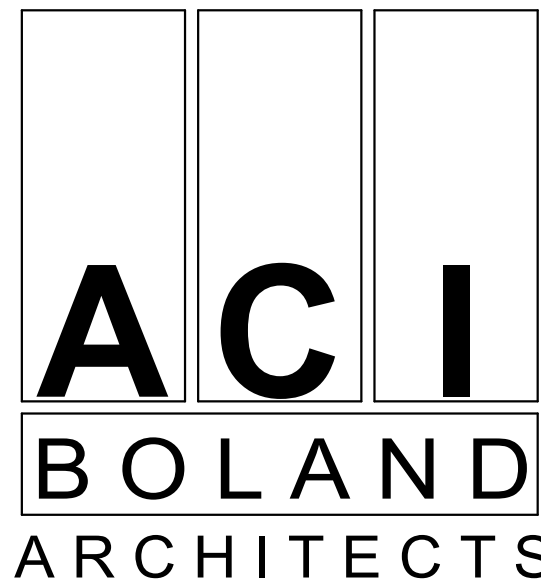
A2 DETAIL AT PRE-OP & RECOVERY CABINET
1 1/2" = 1'-0"



A1 STAFF LOUNGE MEDIA WALL
1 1/2" = 1'-0"



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Lee's Summit, MO 64063

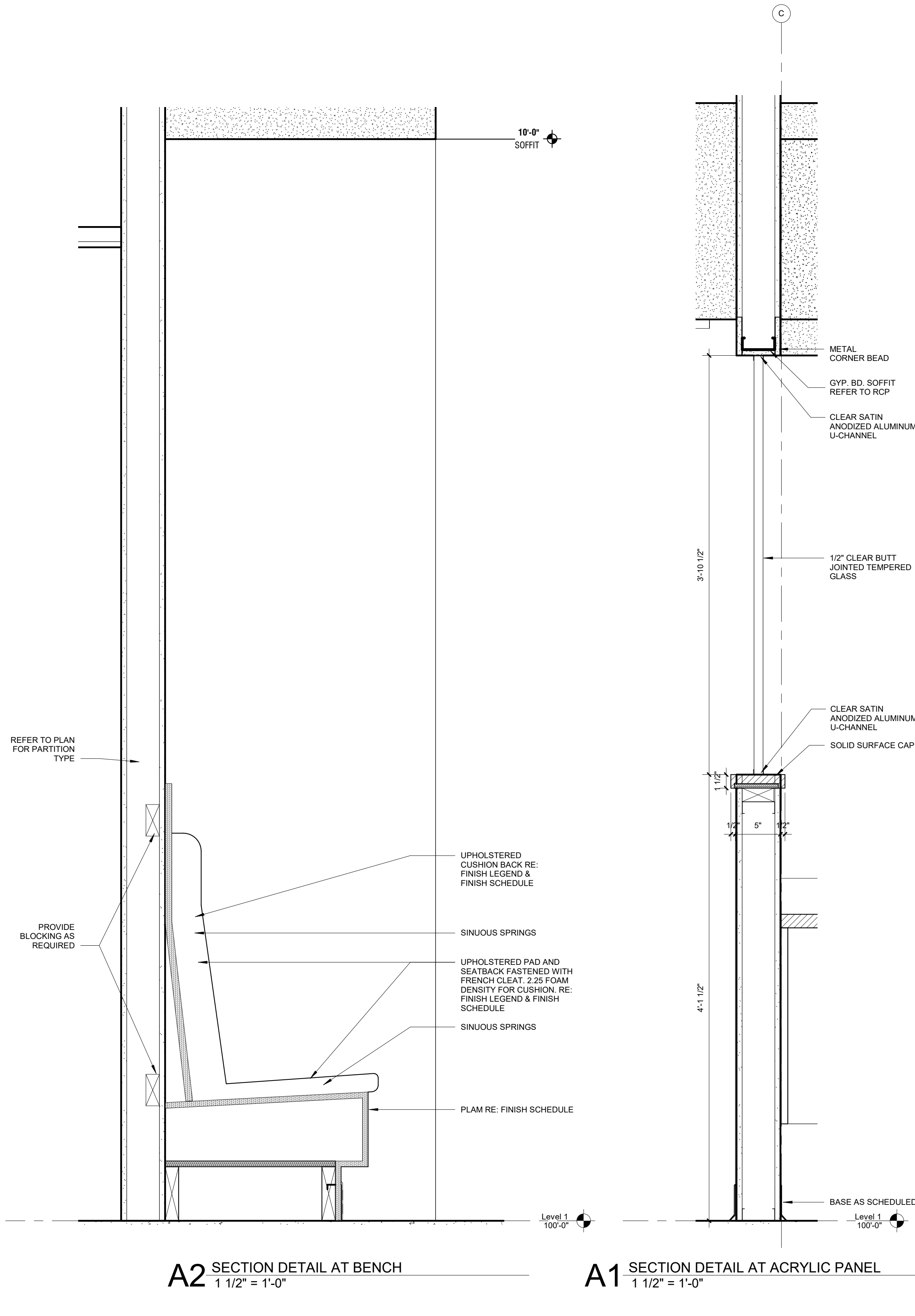
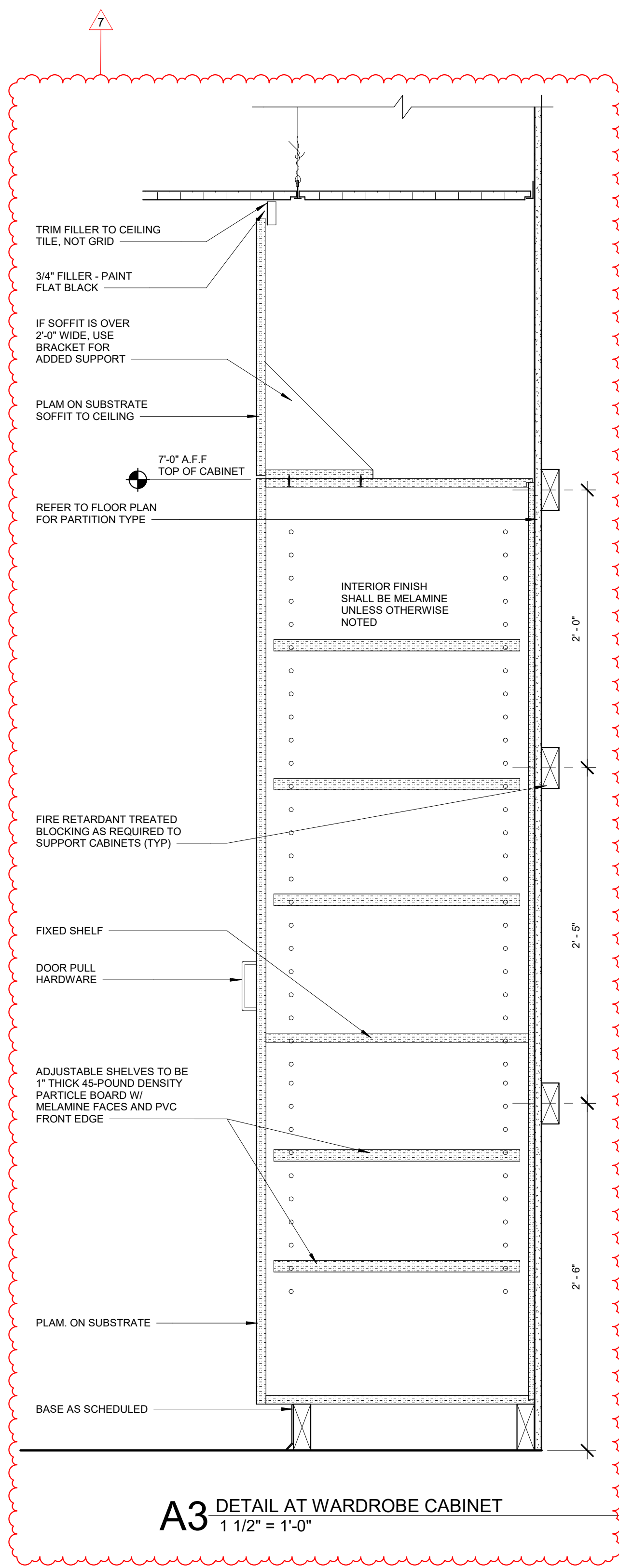
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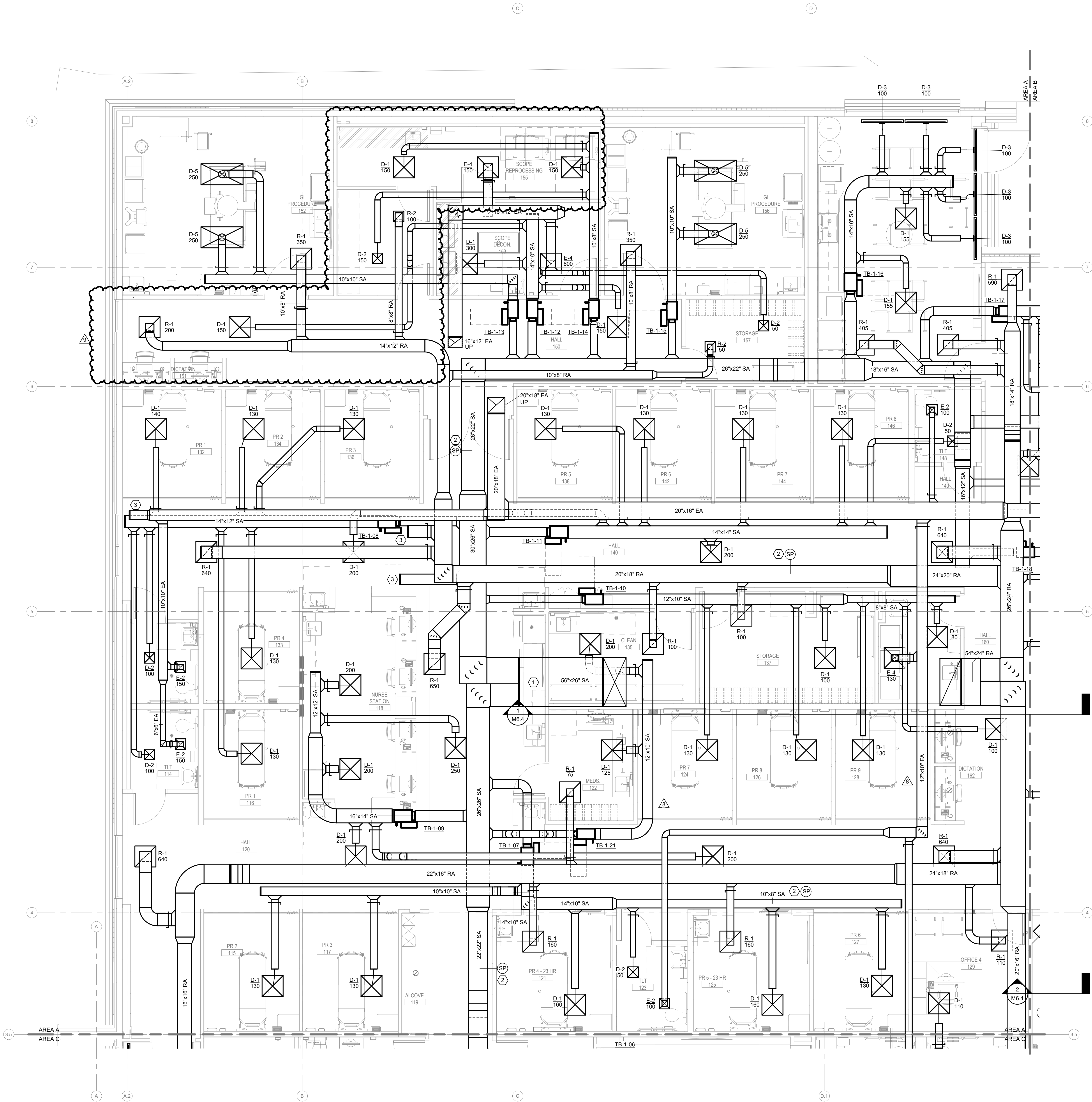
Revision
Number Date Description
7 2/7/24 ASI 4

TI-A7.8

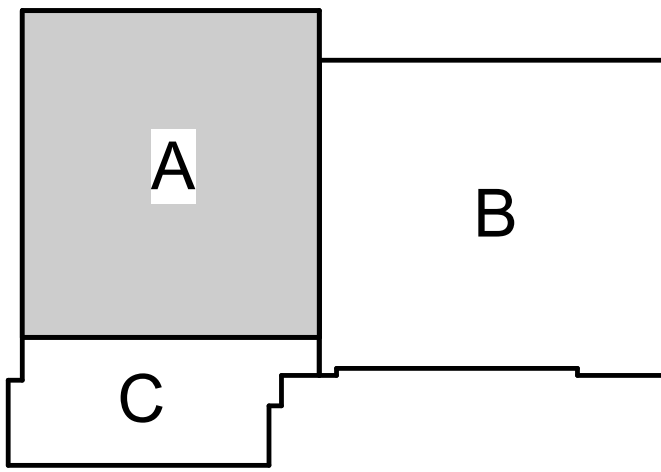
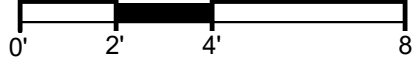
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INTERIOR DETAILS





1 FIRST FLOOR HVAC PLAN - AREA A
SCALE: 1/4" = 1'-0"



KEYPLAN

- GENERAL NOTES** (THIS SHEET)
1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (THIS SHEET)

1. WRAP FIRST 20 FT OF DUCT DOWNSTREAM OF AHU WITH 2 PSF VINYL LAGGING WITH 1" INTEGRAL FIBERGLASS. PRODUCT EQUAL TO SOUND SEAL B-20 LAG.
2. PLACE DUCT STATIC PRESSURE SENSOR 2/3s DOWN THE SYSTEM.
3. TAP OFF MAIN AND CAP FOR FUTURE USE.

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8	2/7/24	ASI #4
9	4/29/24	ASI #6

M1.1A
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FIRST FLOOR HVAC PLAN - AREA A

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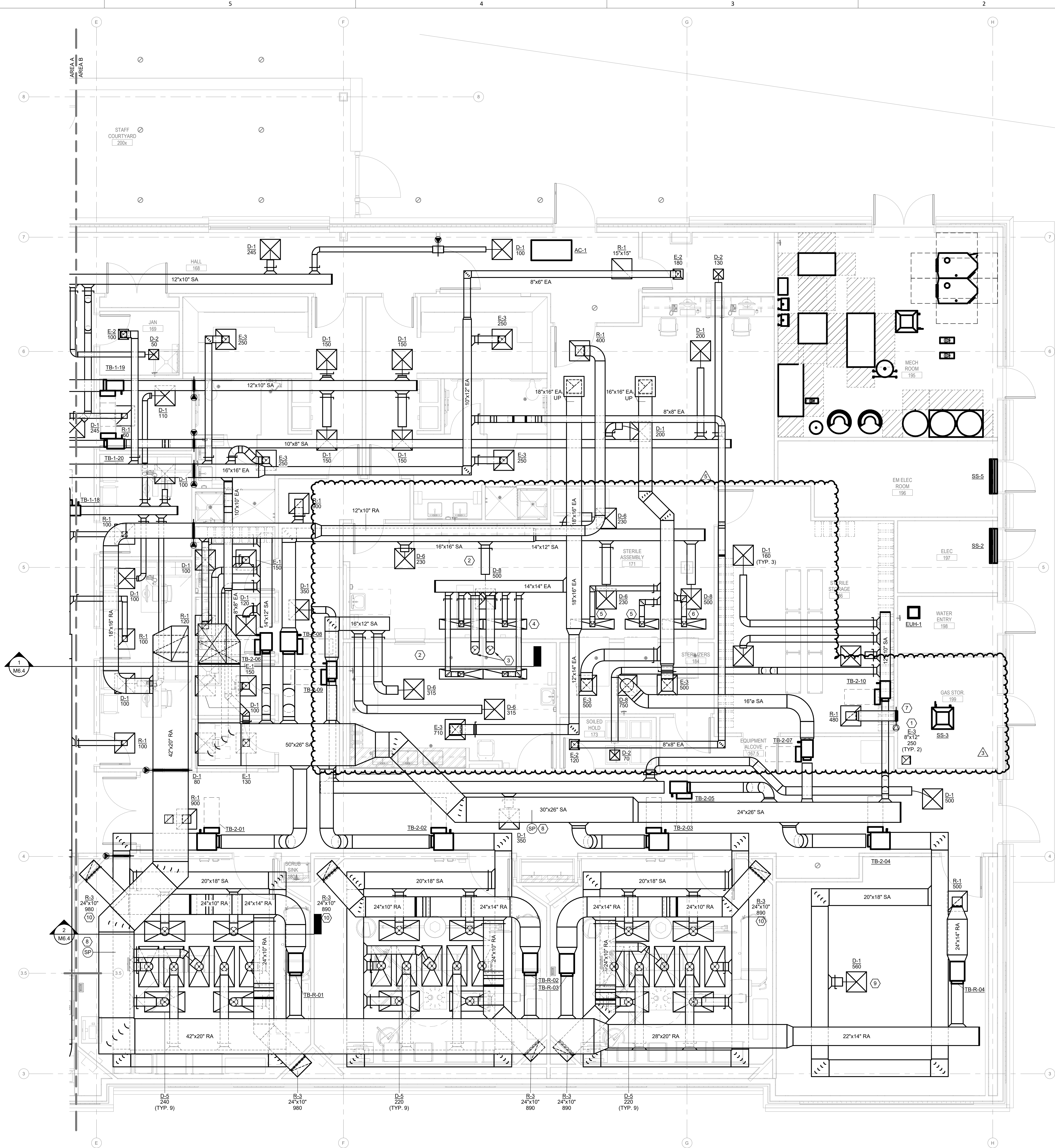
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City of Lee's Summit, Missouri
4/23/2024



1 FIRST FLOOR HVAC PLAN - AREA B
SCALE: 1/4" = 1'-0"

- GENERAL NOTES** (THIS SHEET)
1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (THIS SHEET)

1. PROVIDE (2) 8x12 EXHAUST GRILLES. INSTALL ONE GRILLE 6" AFF AND ONE WITHIN 12" OF CEILING.

2. ALL EXHAUST DUCTWORK, FITTINGS, AND FASTENERS SERVING STERILE PROCESSING DEPARTMENT SHALL BE WATER TIGHT AND CONSTRUCTED OF CORROSION PROOF ALUMINUM. SLOPE DUCTWORK DOWNWARDS TOWARDS CANOPES.

3. ROUTE 6" ROUND DUCT DOWN TO DISINFECTOR/WASHER EXHAUST CONNECTION AND BALANCE TO 60 CFM.

4. PROVIDE 60x12 STAINLESS STEEL EXHAUST CANOPY OVER WASHER/DISINFECTORS TO CAPTURE STEAM DISCHARGE. CONNECT TO EXHAUST SYSTEM EF-4. BALANCE TO 210 CFM. TYP 4.

5. PROVIDE 60x12 STAINLESS STEEL EXHAUST CANOPY OVER STERILIZER DOOR TO CAPTURE STEAM DISCHARGE. CONNECT TO EXHAUST SYSTEM EF-3. PROVIDE 6x8 EXHAUST DUCT CONNECTIONS (OR 6" ROUND) EACH BALANCED TO 220 CFM.

6. PROVIDE 40x12 STAINLESS STEEL EXHAUST CANOPY OVER STERILIZER DOOR TO CAPTURE STEAM DISCHARGE. CONNECT TO EXHAUST SYSTEM EF-3. PROVIDE 6x8 EXHAUST DUCT CONNECTIONS (OR 6" ROUND) EACH BALANCED TO 220 CFM.

7. PROVIDE 12x12 TRANSFER AIR DUCT FROM STERILE STORAGE TO MED GAS ROOM. TERMINATE WITH FIRE DAMPER.

8. PROVIDE 12x12 TRANSFER AIR DUCT FROM STERILE STORAGE TO MED GAS ROOM. TERMINATE WITH FIRE DAMPER.

9. INSTALL SUPPLY DUCTWORK MAIN LOOP. DUCT TO CEILING RETURN AND SUPPLY. CLOSE OFF RETURN AIR VALVE TB-R-05.

10. INSTALL SIDEWALL RETURN AIR GRILLE 10" AFF. TYP ALL.

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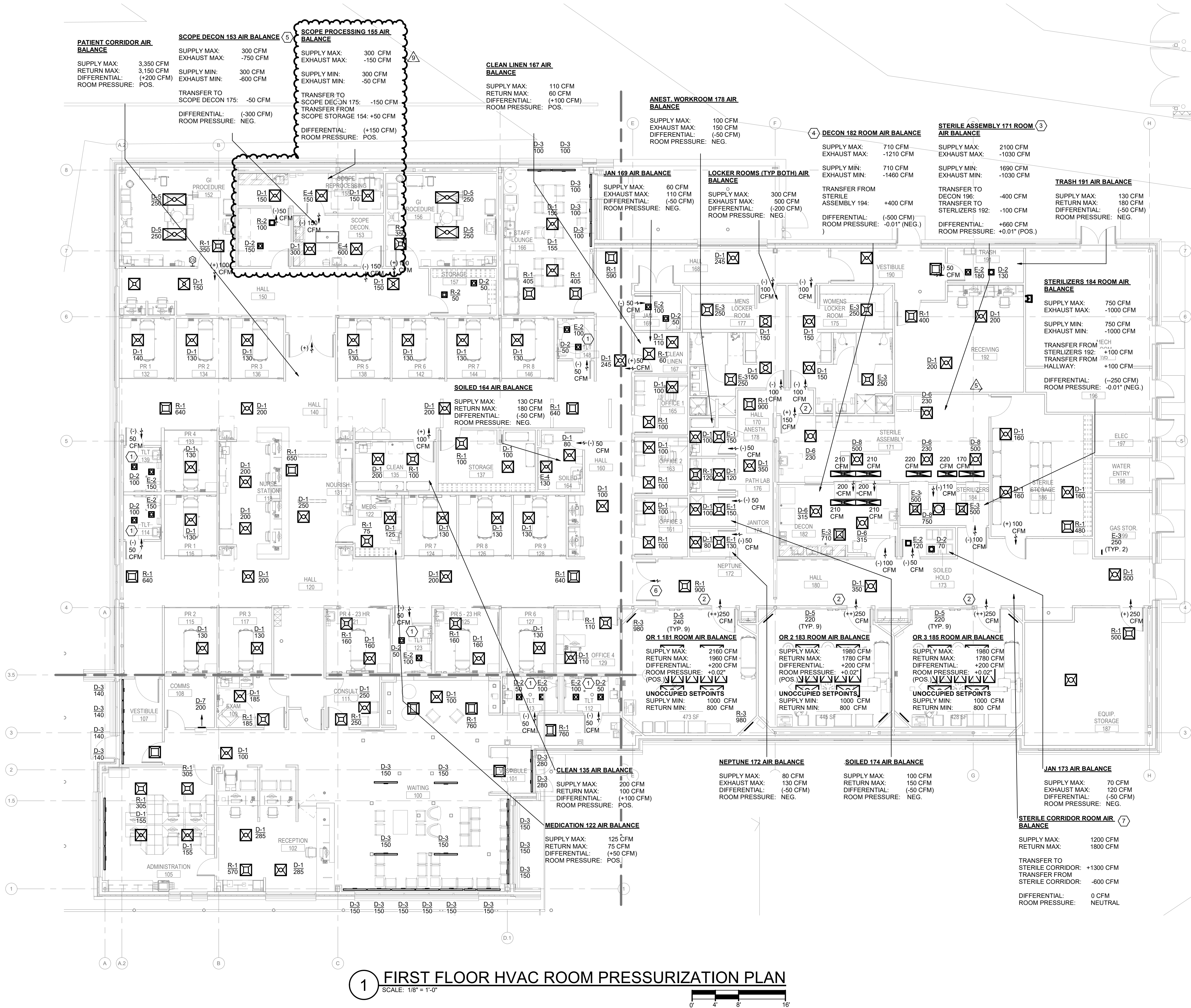
Date 2/8/2023
Job Number 3-22030
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Revision

Number	Date	Description
3	3/7/23	ADDENDUM #3
5	11/8/23	ASI #2

M1.1B

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FIRST FLOOR HVAC PLAN - AREA B

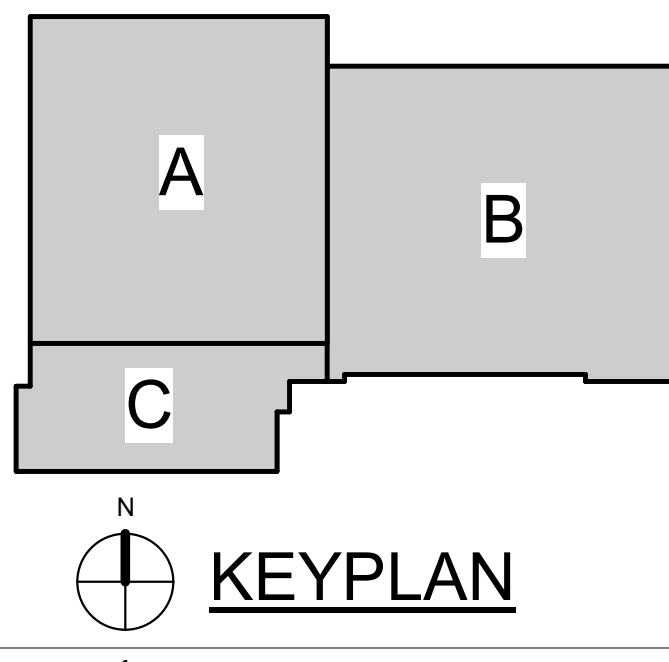


- KEY NOTES (X) (THIS SHEET)**
1. ALL TOILET ROOMS SHALL BE BALANCED TO (-50) CFM NEGATIVE.
 2. PROVIDE ROOM PRESSURE MONITORING STATION. SIGNALS TO BE TIED INTO BAS. COORDINATE LOCATION & ELEVATION WITH ARCHITECT.
 3. BALANCE CONTRACTOR TO BALANCE THIS SPACE TO POSITIVE RELATIVE TO CORRIDOR AND DECONTAMINATION ROOM. SUPPLY SYSTEM HAS BEEN SIZED TO HANDLE UP TO 2100 CFM. INCREASE SUPPLY AIR AS NECESSARY TO ACHIEVE POSITIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM SUPPLY CFM.
 4. BALANCE CONTRACTOR TO BALANCE THIS SPACE NEGATIVE RELATIVE TO CORRIDOR AND STERILE PROCESSING. EXHAUST SYSTEM HAS BEEN SIZED TO HANDLE UP TO 2200 CFM. INCREASE EXHAUST AIR AS NECESSARY TO ACHIEVE NEGATIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM EXHAUST CFM.
 5. BALANCE CONTRACTOR TO BALANCE SCOPE DECONTAMINATION ROOM NEGATIVE RELATIVE TO ENDOSCOPY PROCEDURE ROOMS AND SCOPE REPROCESSING ROOM. EXHAUST SYSTEM HAS BEEN SIZED TO HANDLE UP TO 1100 CFM. INCREASE EXHAUST AIR AS NECESSARY TO ACHIEVE NEGATIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM EXHAUST CFM.
 6. RETURN AIR IN STERILE CORRIDOR SHALL BE BALANCED TO MAINTAIN POSITIVE PRESSURE RELATIONSHIP TO PACU CORRIDORS.
 7. BALANCE CONTRACTOR IS ABLE TO MODIFY RETURN CFM LISTED IN ORDER TO ACHIEVE POSITIVE PRESSURE RELATIONSHIP TO ADJACENT SPACES. NOTE: STERILE CORRIDOR MUST BE POSITIVE RELATIVE TO PACU CORRIDOR.

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5	11/8/23	ASI #2
9	4/29/24	ASI #6



M1.2
FIRST FLOOR HVAC ROOM PRESSURIZATION PLAN - OVERALL

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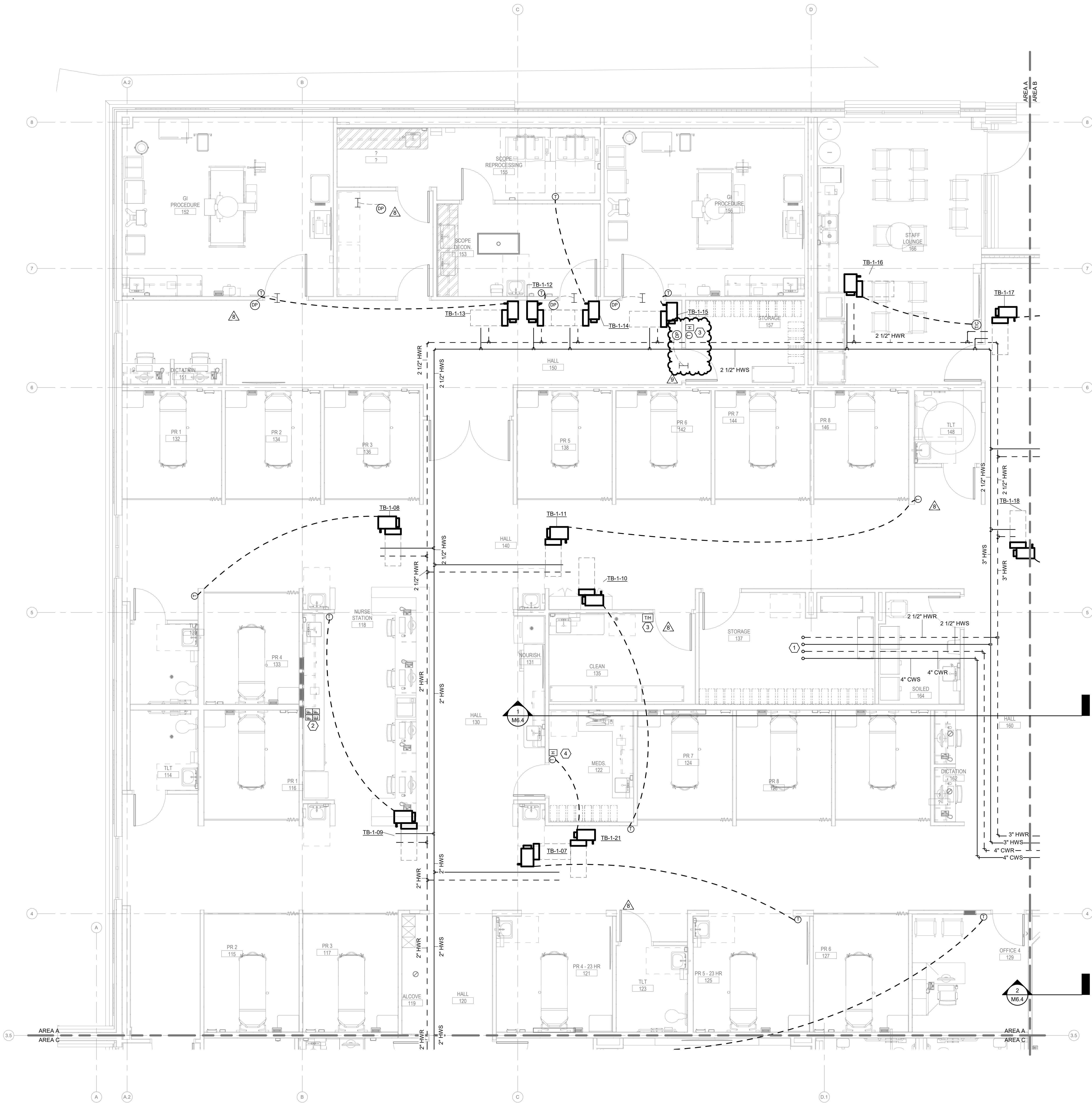
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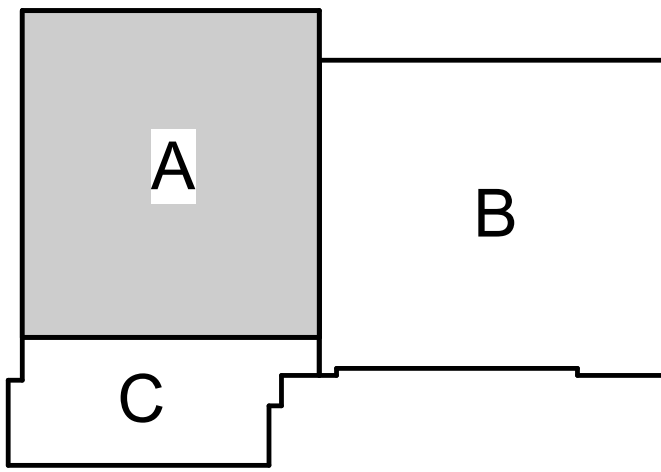
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4/29/2024



1 FIRST FLOOR HYDRONIC PLAN - AREA A
SCALE: 1/4" = 1'-0"



KEYPLAN

- GENERAL NOTES** (THIS SHEET)
1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (THIS SHEET)

1. 2-1/2" HWS, 2-1/2" HWR, 4" CWS, 4" CWR UP TO AHU-1.

2. STATUS/ALARM PANEL FOR AIR HANDLING UNITS. SWITCHES TO BE IN DIRECT VIEW OF NURSE'S STATION. EPO SWITCH TO CUT POWER TO ASSOCIATED AHU FANS.

3. PROVIDE TEMPERATURE & HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.

4. PROVIDE HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.

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Number	Date	Description
8	2/7/24	ASI #4
9	4/29/24	ASI #6

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FIRST FLOOR HYDRONIC PLAN - AREA A

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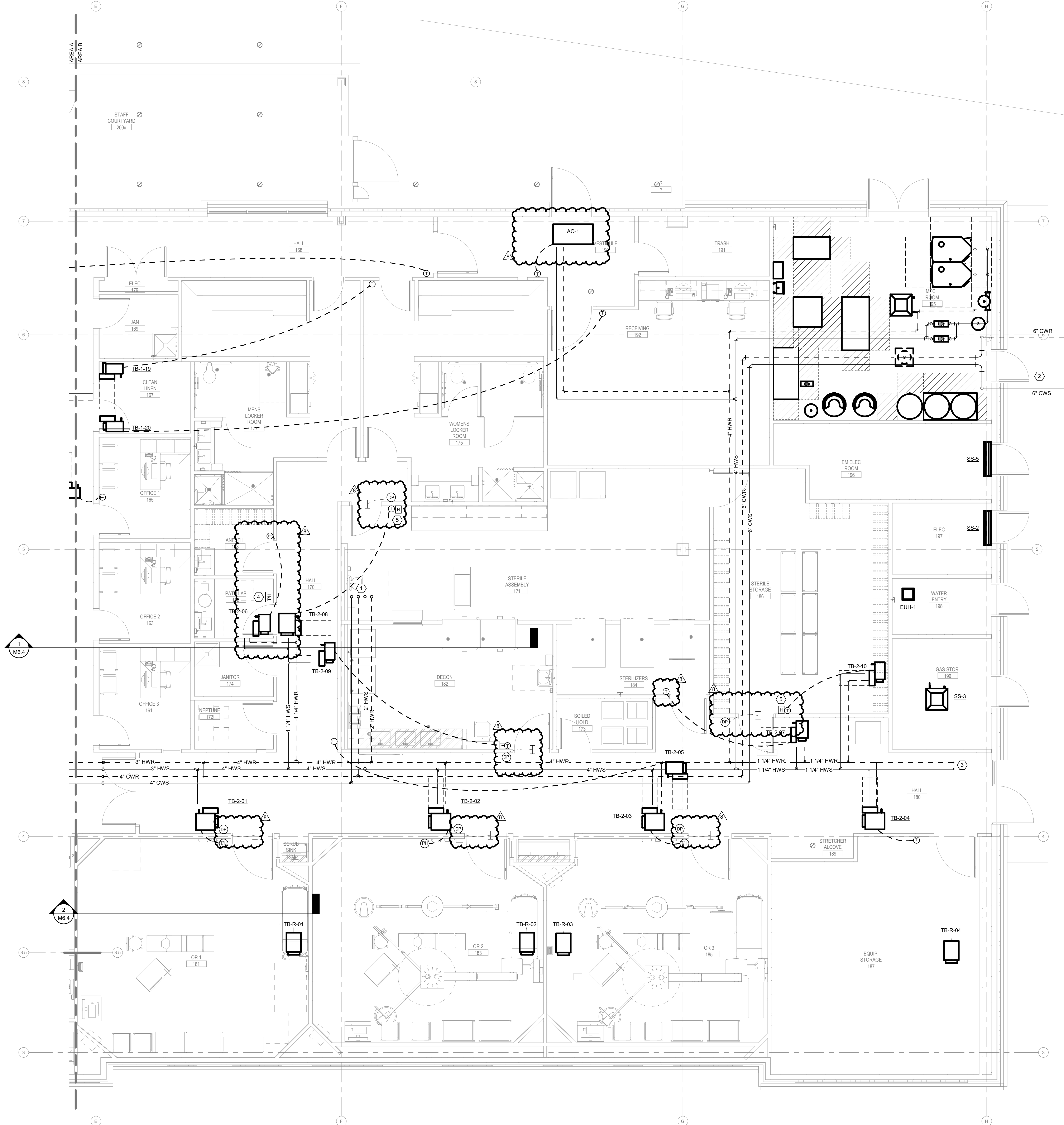
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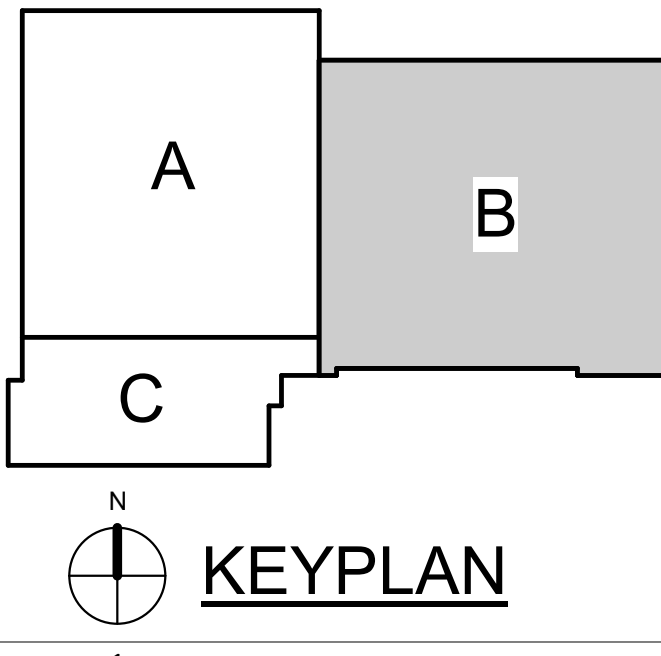
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1 FIRST FLOOR HYDRONIC PLAN - AREA B
SCALE: 1/4" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (THIS SHEET)

1. 2" HWS, 2" HWR, 4" CWS, 4" CWR UP TO AHU-2.
2. ROUTE 6" CWS/R UNDERGROUND FROM MECHANICAL ROOM TO CHILLER LOCATED IN MECHANICAL YARD. REFER TO MECHANICAL PIPING INSULATION SCHEDULE FOR UNDERGROUND PIPING REQUIREMENTS. PROVIDE HEAT TRACE ON OUTDOOR PIPING.
3. PROVIDE TEMPERATURE AND HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.
4. PROVIDE HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.

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1950 SE Shenandoah Drive
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Number	Date	Description
8	2/7/24	ASI #4

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FIRST FLOOR HYDRONIC PLAN - AREA B

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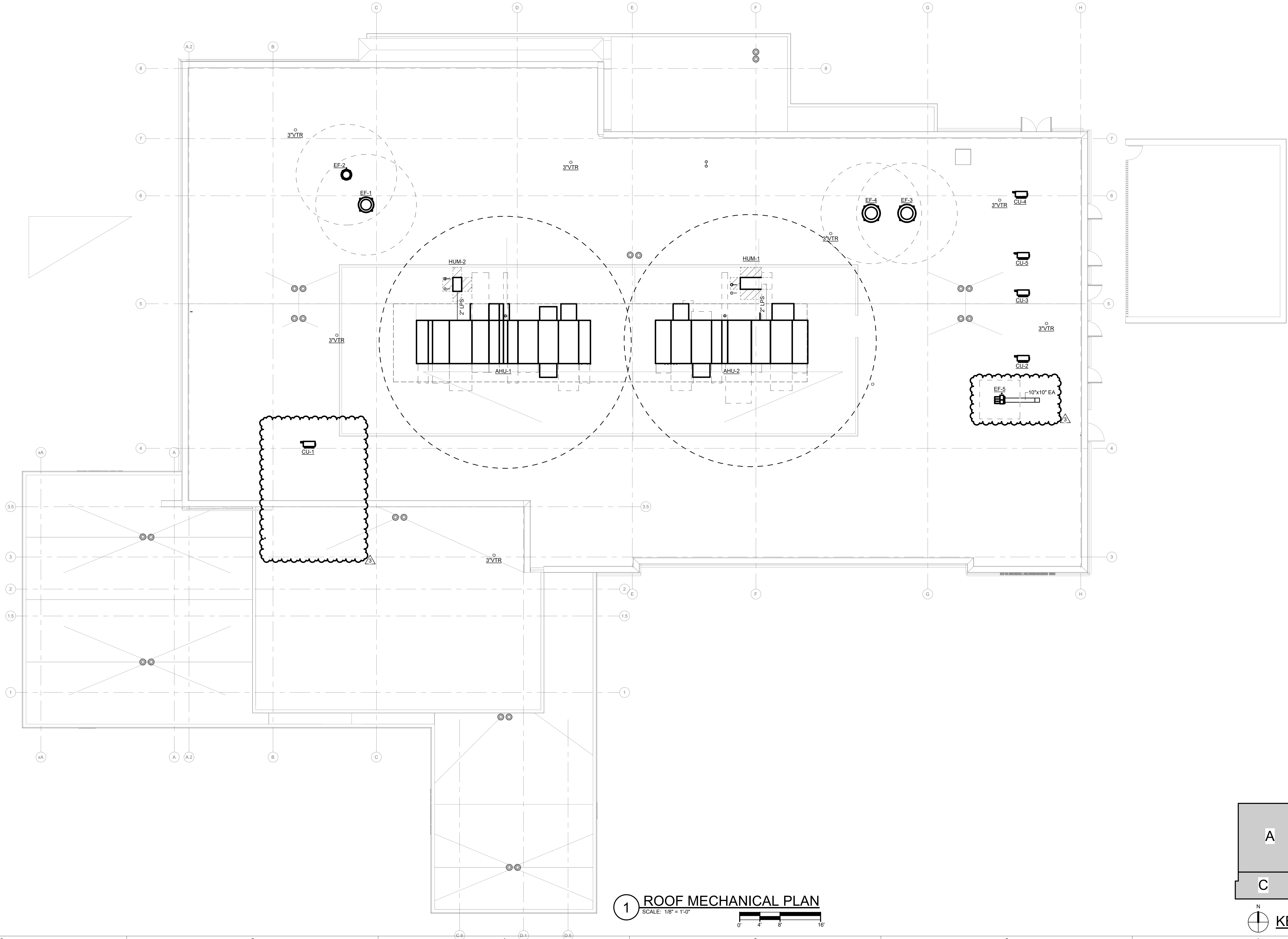
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REGISTERED PROFESSIONAL ENGINEER
NUMBER PE-000958
EXPIRATION DATE 02/07/2024

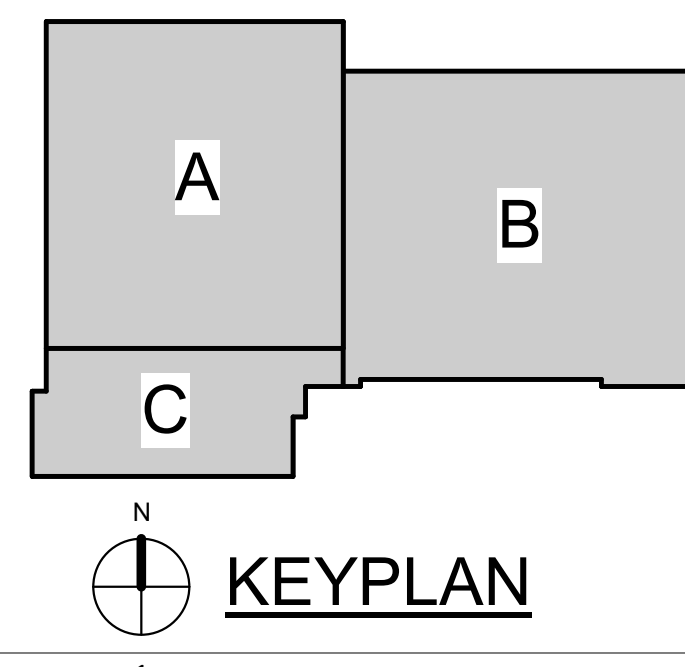
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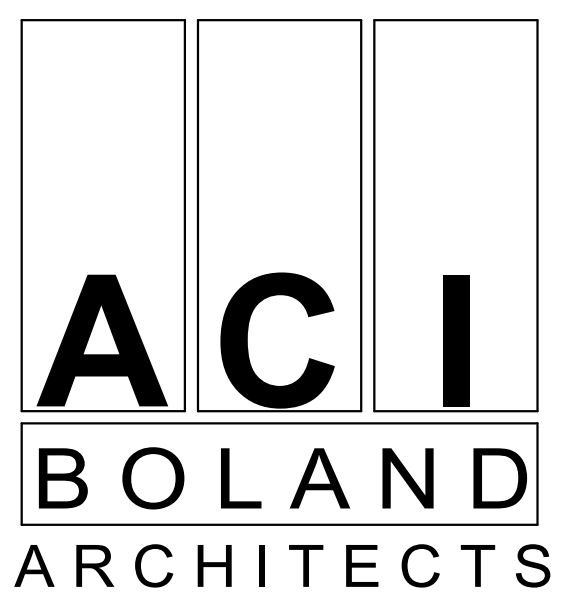
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1 ROOF MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



GENERAL NOTES (THIS SHEET)
1. SEE SHEET M0.1 AND P0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.



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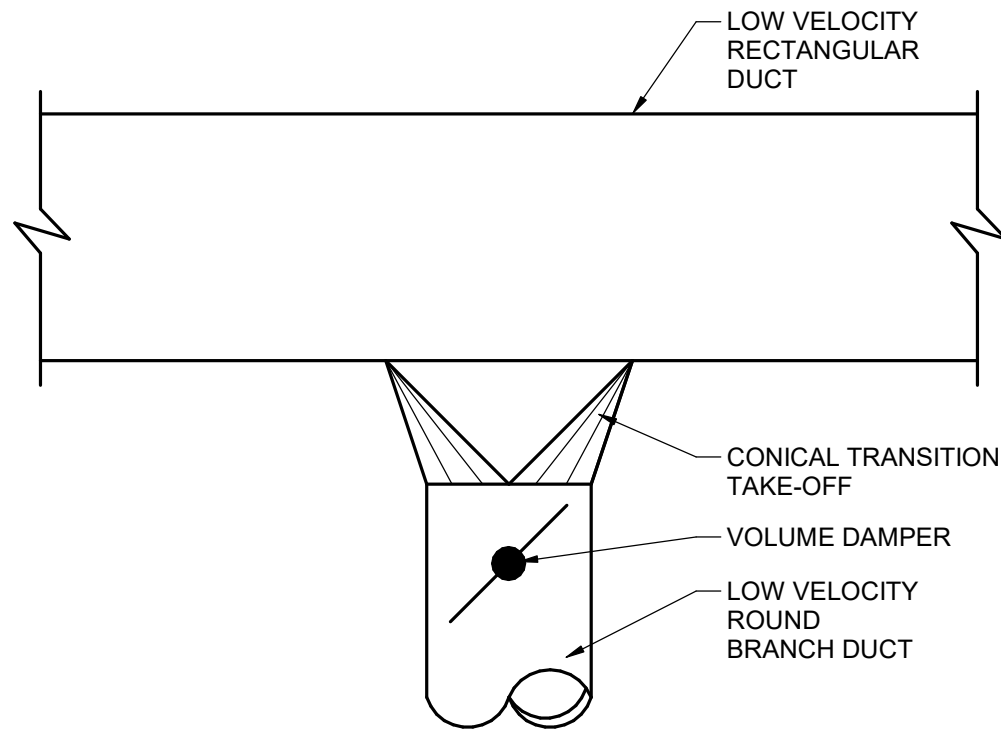
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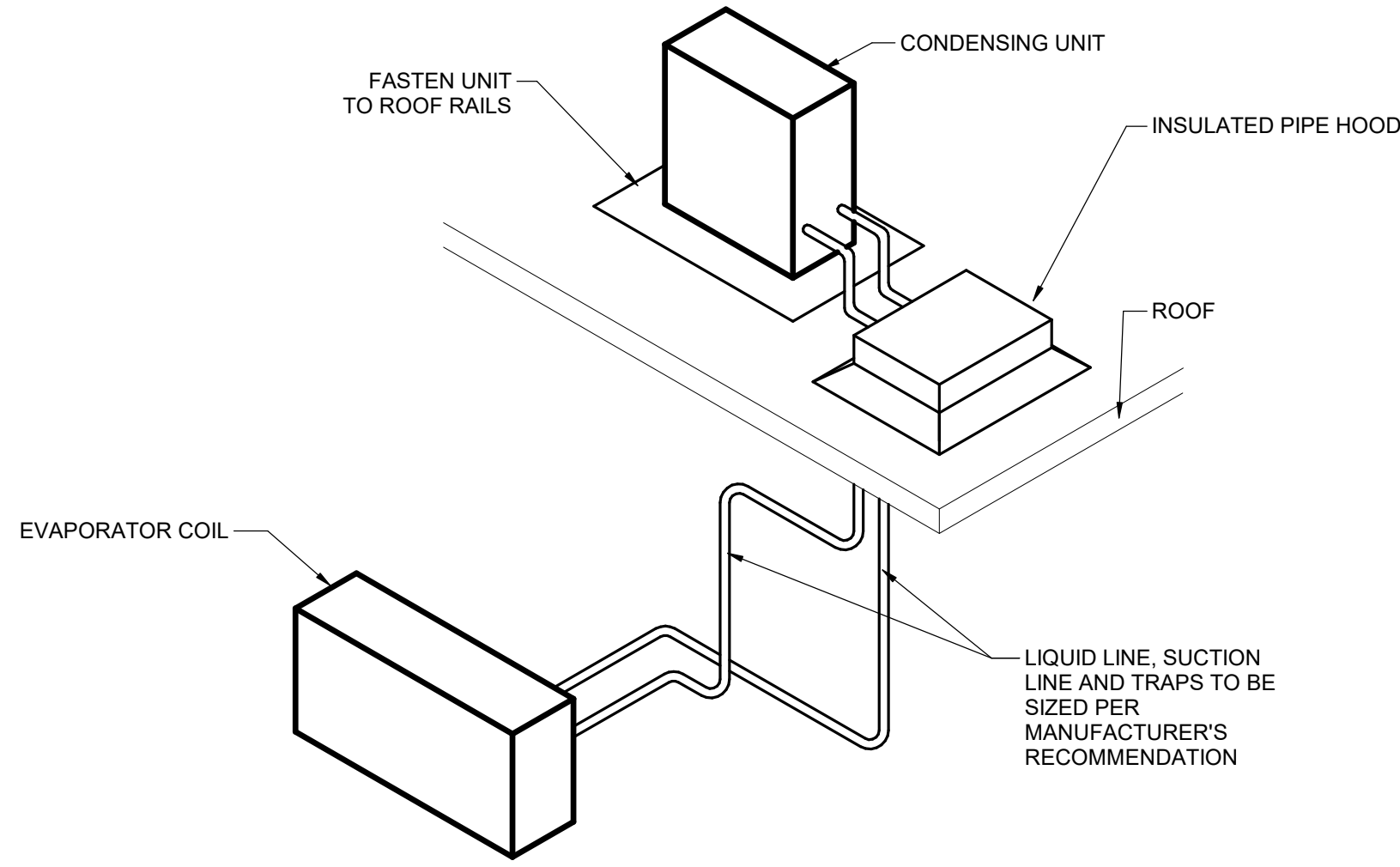
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Number	Date	Description
3	3/7/23	ADDENDUM #3

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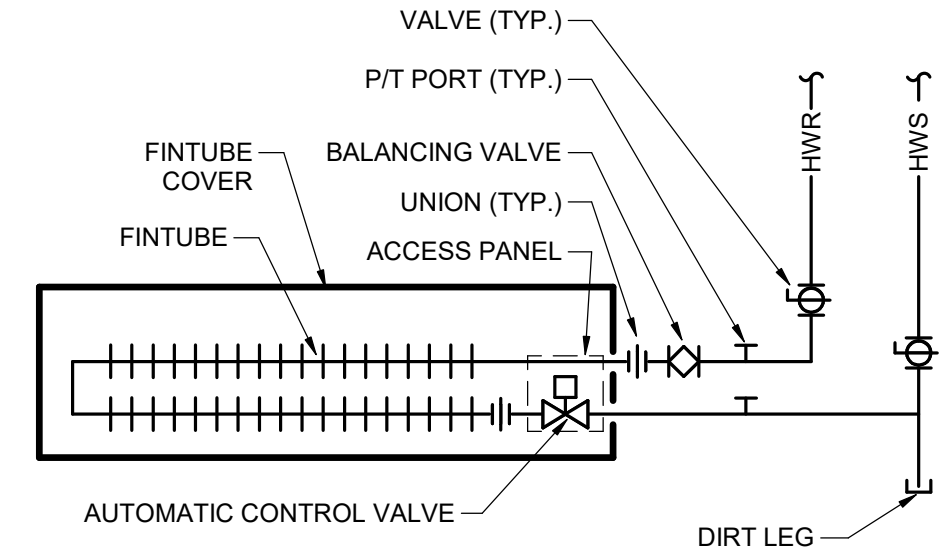
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1 ROUND FROM RECTANGULAR TAKE-OFF
SCALE: NONE

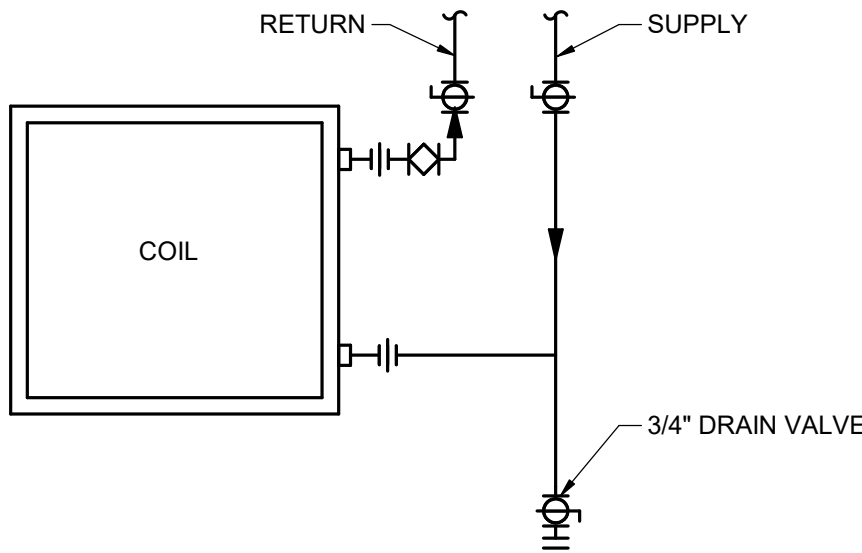


2 SPLIT SYSTEM - ROOF MOUNTED CONDENSER
SCALE: NONE

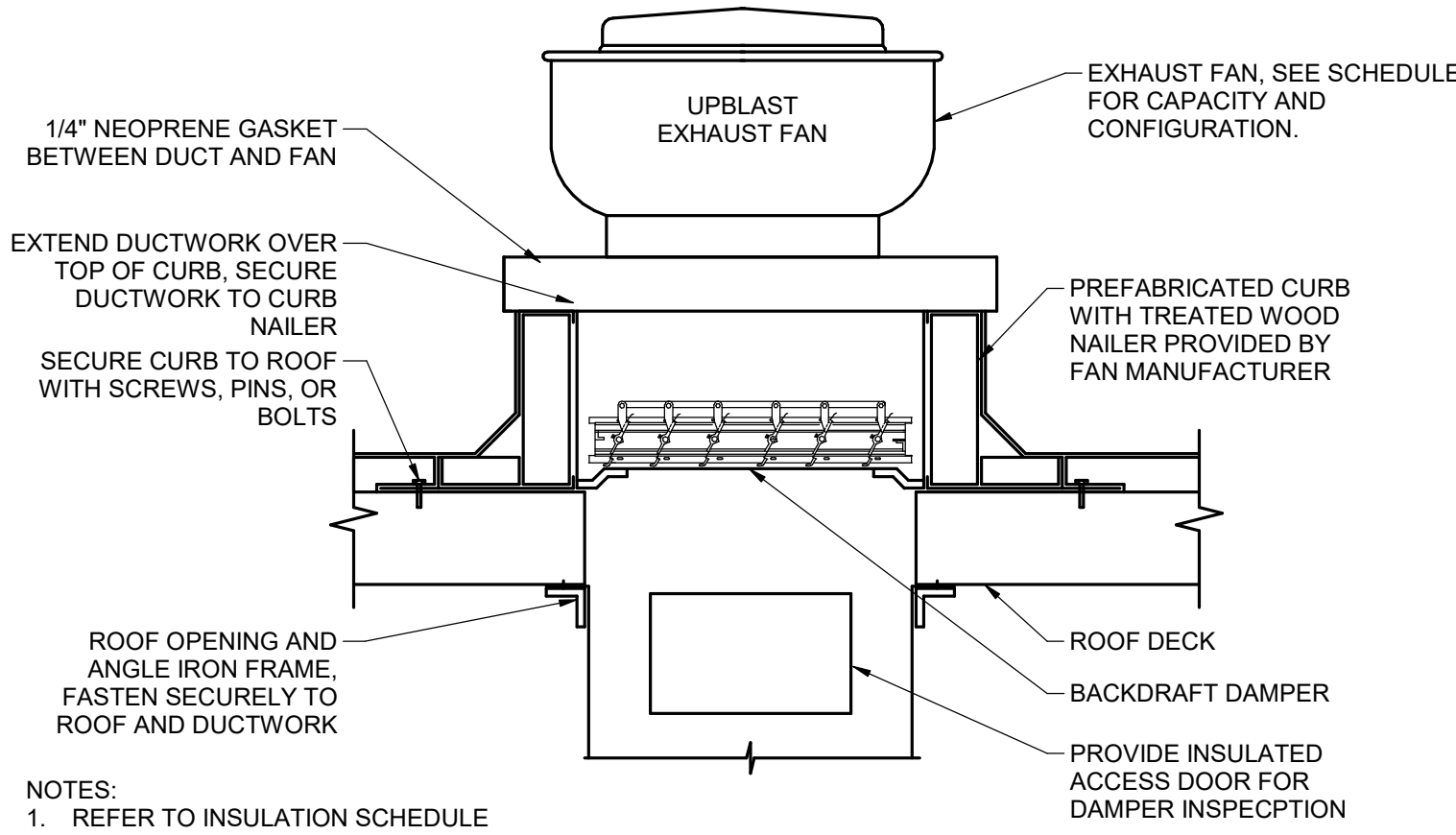


- NOTES:
1. EXACT LOCATION OF FITTINGS ETC. TO BE FIELD COORDINATED.
 2. CEILING ACCESS OF ISOLATION VALVES ACCEPTABLE.

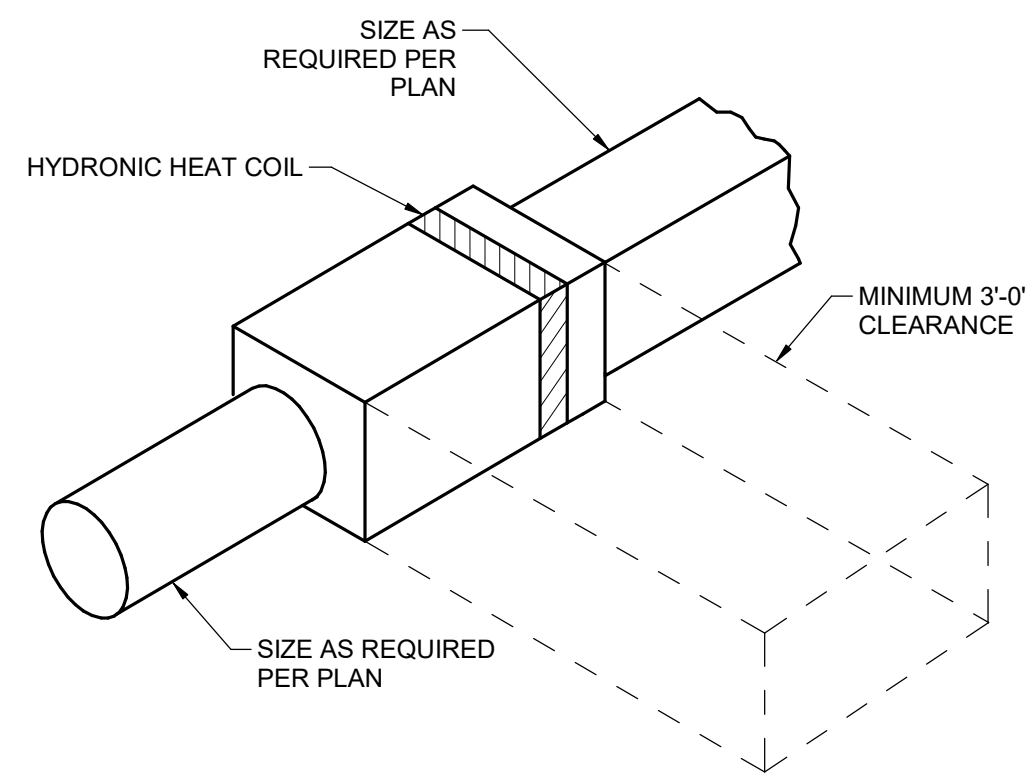
3 TWO-ROW, DOWN-FEED FINTUBE CONNECTION
SCALE: NONE



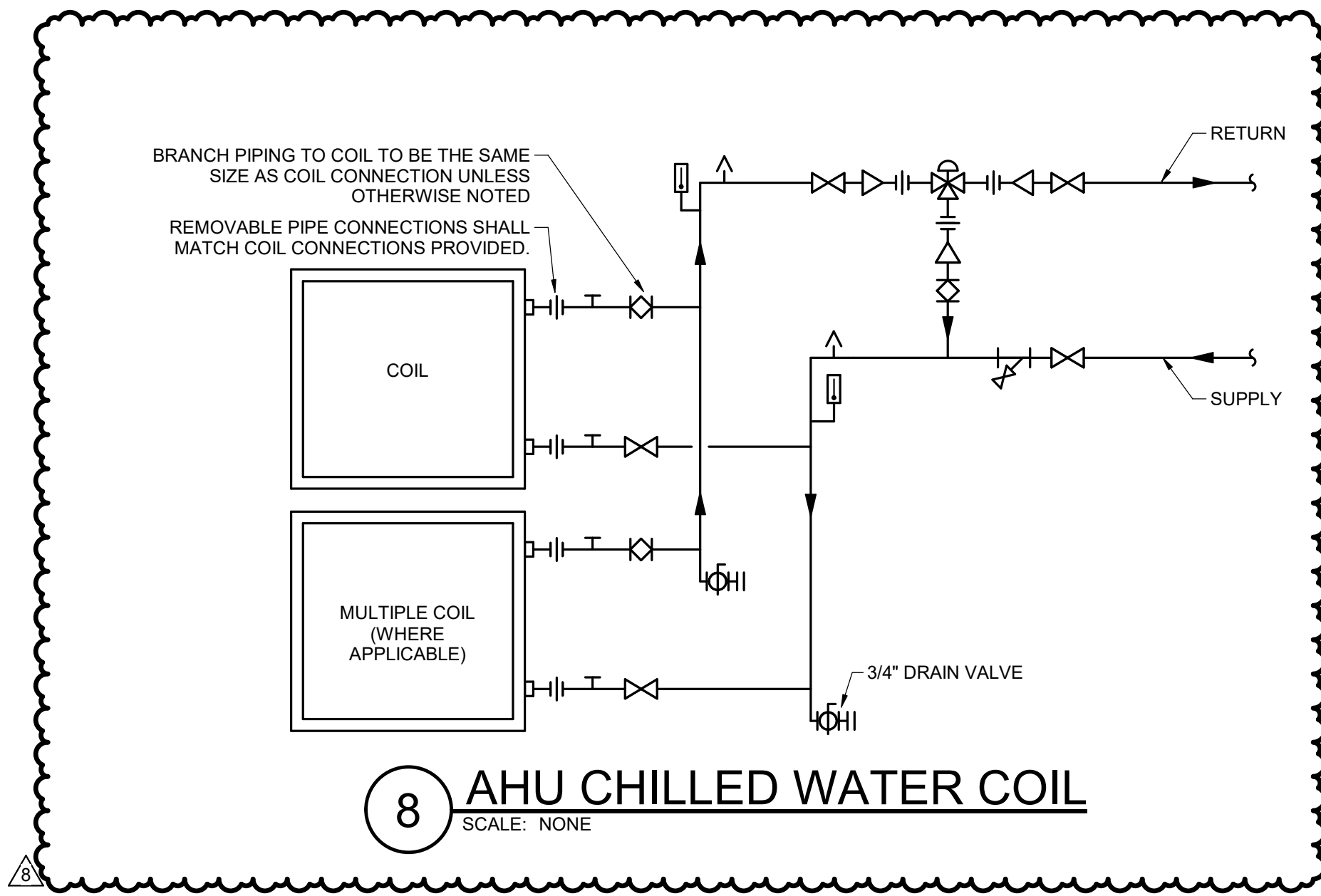
4 UNIT HEATER PIPING - HYDRONIC WATER
SCALE: NONE



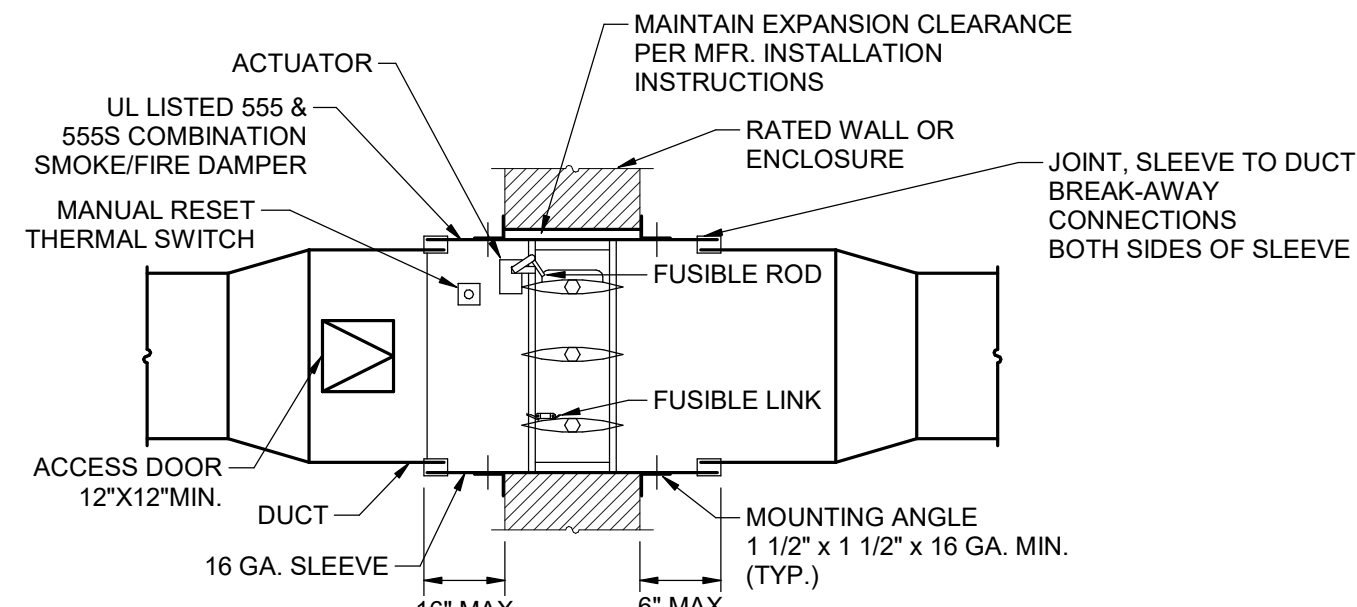
5 UPBLAST EXHAUST FAN
SCALE: NONE



6 VAV BOX CONNECTION
SCALE: NONE



8 AHU CHILLED WATER COIL
SCALE: NONE



7 FIRE/SMOKE DAMPER
SCALE: 1/8" = 1'-0"



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MECHANICAL DETAILS

3/8/2023 3:52:32 PM

AIR HANDLING UNIT SCHEDULE

PROJECT ALTITUDE: 1000 FEET ABOVE SEA LEVEL

MARK	MANUFACTURER	MODEL	LOCATION OF UNIT	TYPE OF AIRFLOW	SUPPLY FAN										RETURN/RELIEF FAN										WATER COILS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					MAX SYSTEM AIRFLOW	EST EXT SP	TOTAL STATIC PRESS.	NUMBER OF FANS	FAN DIA	OPERATING SPEED	FAN DRIVE	TOTAL BHP	NUMBER OF MOTORS	MAX MOTOR SIZE	MAX SYSTEM AIRFLOW	EST EXT SP	TOTAL STATIC PRESS.	NUMBER OF FANS	FAN DIA	TYPE	FAN SPEED	FAN DRIVE	TOTAL BHP	NUMBER OF MOTORS	MAX MOTOR SIZE	TYPE	AIRFLOW	FLUID TYPE	MIN NUMBER OF ROWS	MAX FINS PER FOOT	MIN TOTAL OUTPUT	MIN. SENS OUTPUT	EWT	LWT	EAT DB/WB	LAT DB/WB	MAX WATER FLOW	MAX WATER PD	MAX AIR PD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					CFM	IN. WG	IN. WG	2		RPM				HP EA.	CFM	IN. WG	IN. WG	2			RPM				HP EA.		CFM				MBH	MBH	°F	°F	°F	°F	GPM	FT. H2O	IN. WG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
AHU-1	TRANE	CSAA035	ROOF	VAV	18,000	1.75"	6.1"	2	22.25	2,260	DIRECT	25.8	2	15.0	18,000	0.75"	2.00"	2	22.25	DD PLENUM	2,033	DIRECT	13.0	2	7.5	HOT CHILLED	18,000 18,000	WATER 30% PG	1 6	80 109	591 840	- 581	130.0 40.0	110.0 52.0	37.3 81.3 / 67.0	67.57 52.0 / 51.47	59.0 151.5	6.9 36.3	0.14 0.77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
AHU-2	TRANE	CSAA035	ROOF	VAV	15,000	2.50"	8.0"	2	22.25	2,532	DIRECT	29.5	2	20.0	15,000	1.50"	2.57"	2	22.25	DD PLENUM	1,863	DIRECT	10.9	2	7.5	HOT CHILLED	15,000 16,000	WATER 30% PG	1 8	106 137	325 908	- 527	130.0 40.0	100.0 52.0	45.0 77.34 / 66.99	65.0 47.5 / 47.4	21.7 163.8	1.0 41.7	0.08 1.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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	BANK NUMBER	MERV	MAX FACE VELOCITY	DEPTH	MAX AIR PD	NUMBER OF INJECT	MAX ABSORP DIST	LAT DB/WB	AIR CONDITIONS (REQUIRED PERFORMANCE)										MIN AIRFLOW	MAX AIRFLOW	100% ECONO	SERVICE				SCCR	FLA	MCA	MOP		L x W x H	lbs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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- NOTES:
1. BASIS OF DESIGN - TRANE
 2. VALUES STATED ARE ADJUSTED FOR ALTITUDE SHOWN.
 3. REFER TO AHU DETAILS FOR SECTION LAYOUT.
 4. ESTIMATED EXTERNAL STATIC PRESSURE INCLUDES PRESSURE DROP FOR ALL OUTSIDE AIR INTAKE AND DISTRIBUTION COMPONENTS OUTSIDE OF THE UNIT.
 5. MAXIMUM AIR PRESSURE DROPS FOR ALL COMPONENTS ARE AT MAXIMUM SYSTEM AIRFLOW.
 6. FAN CLASS IN ACCORDANCE WITH AMCA 99-2408.
 7. PROVIDE TIMER SWITCH FOR SERVICE LIGHTS.
 8. MINIMUM OUTSIDE AIR IN COMPLIANCE WITH APPLICABLE CODE, ASHRAE 170 VENTILATION FOR HEALTHCARE FACILITIES.
 9. PROVIDE HEAT TRACING ON ALL PIPING WITHIN PIPING VESTIBULE.
 10. PROVIDE CIRCULATOR PUMP ON HEATING COIL. INSTALL WITHIN PIPING VESTIBULE.
 11. PROVIDE AHU-2 WITH DESICCANT DEHUMIDIFICATION WHEEL EQUAL TO TRANE CDQ.
 12. PROVIDE WITH 28" INSULATED ROOF CURB. AHU OUTDOOR AIR INTAKE MUST BE INSTALLED NO LESS THAN 36" ABOVE ROOF LINE.
 13. PROVIDE FIELD INSTALLED HUMIDIFIER DISPERSION ARRAY FROM HUMIDIFIER GENERATOR MANUFACTURER. INSTALL HUMIDIFIER IN BLANK AHU SECTION UPSTREAM OF COOLING COIL.
 14. DO NOT SELECT FAN MOTORS WITHIN 10% OF NAMEPLATE RATED HORSEPOWER.
 15. FACTORY PROVIDED AND WIRED VFDs. PROVIDE ONE VFD PER FAN. ALL WIRING FROM VFDs TO FAN MOTORS SHALL BE IN CONDUIT.
 16. FILTER PRESSURE DROP SHOULD BE SELECTED AT END OF LIFE.
 17. AHU-2: PROVIDE TWO OUTSIDE AIR DAMPERS. ONE SHALL BE PROVIDED WITH INTEGRAL AIRFLOW MEASUREMENT TO MAINTAIN VENTILATION, THE OTHER DAMPER SHALL BE OPPOSED BLADE AIRFOIL FOR USE DURING ECONOMIZER OPERATION.
 18. AHU-1: PROVIDE ONE OUTSIDE AIR DAMPER WITH INTEGRAL AIRFLOW MEASUREMENT TO MAINTAIN VENTILATION.
 19. PROVIDE ALL COIL SECTIONS AND HUMIDIFIER SECTIONS WITH PIPE CABINETS. PIPE CABINETS SHALL EXTEND TO TOP LEVEL OF AHU AS NEEDED. PIPE CABINETS SHALL BE A DEPTH OF 36".
 20. REFERENCE MECHANICAL ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL DRAWINGS FOR SHORT CIRCUIT CURRENT RATING

CABINET UNIT HEATER SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	TYPE	FAN INFORMATION		HEATING COIL				ELECTRICAL DATA		NOTES	
				CFM	E.S.P.	GPM	PRESSURE DROP	EWLT / LWWT	CAPACITY (MBH)	COIL ROWS	HP		VOLT/PH/Hz
CUH-1	TRANE FFC060	VESTIBULE	RECESSED DUCTED	565	0.25	4.4	8.2	130/110	54	4	1/4	120/1/60	1-4
CUH-2	TRANE FFC060	VESTIBULE	RECESSED DUCTED	565	0.25	4.4	8.2	130/110	54	4	1/4	120/1/60	1-4
NOTES:													
1. FRONT OUTLET, BACK INLET ORIENTATION.													
3. PROVIDE WITH FILTER RACK AND FILTER, INTEGRAL THERMOSTAT.													
4. RATED FOR 30% PROPYLENE GLYCOL.													
5. REFERENCE MECHANICAL ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL DRAWINGS FOR SHORT CIRCUIT CURRENT RATING													

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AIR CURTAIN SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	TYPE	FAN...		HEATING...			ELECTRICA...				NOTES
				CFM	MOTOR #	GPM	PRESSURE DROP	EWT / LWT	CAPACITY (MBH)	COIL ROWS	HP	VOLT/PH/Hz	
AC-01	BERNER ARD12-2072W	RECEIVING	ARCHITECTURAL RECESSED	2520	2	9	2.7 FT	140 / 125	70	4	(2) 1/2	115/1/60	1,2
NOTES:													
1. PROVIDE WITH FILTER RACK...													
2. UNIT RATED FOR 30%...													

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	LOCATION	CAPACITY (KW)	CAPACITY (MBH)	MAX AMP RATING	SUPPLY (GA)	APPROX. AIR RISE (F)	FAN INFORMATION MOTOR HP	CFM	VOLTS/PH/Hz	NOTES
EUH-1	TRANE UHEC-051A0C0	WATER ENTRY	WATER ENTRY	5	17.1	24.1	8	3.6	1/125	1550	208/1/60	1
NOTES:												
1. PROVIDE WITH INTEGRAL THERMOSTAT.												

EXPANSION TANK SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	TANK ACCEPTANCE VOLUME (GALLONS)	ACTUAL TANK VOLUME (GALLONS)	DIMENSIONS (W X H)	WEIGHT (LBS)	NOTES
ET-1	B&G B-100LA	11	26	16X39	94	1,2
ET-2	B&G B-130LA	27	34	20X34-11/16	130	1
NOTES:						
1. PROVIDE WITH DIAPHRAGM AND 4" HOUSEKEEPING PAD.						
2. RATED FOR 30% PROPYLENE GLYCOL.						

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AIR/DIRT SEPARATOR SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	GPM	MAX P.D. (FT. HD)	OPENINGS (IN.)	NOTES
AS-1	SPIROTHERM VDN500	HEATING WATER	250	1	4	1
AS-2	SPIROTHERM VDN600	CHILLED WATER	380	1	6	1,2
NOTES:						
1. PROVIDE WITH REMOVABLE STRAINER.						
2. RATED FOR 30% PROPYLENE GLYCOL.						

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ELECTRIC STEAM HUMIDIFIER SCHEDULE

MARK	MANUFACTURER	MODEL	SERVES	LOCATION	PERFORMANCE			DESIGN CONDITIONS			ELECTRICAL DATA		MAX ABSOPTION DISTANCE (IN)	OPERATING WEIGHT (LBS)	NOTES
					INPUT (KW)	CAPACITY (LBS/HR)	REQ. CAP. (LBS/HR)	MAX AIR VOLUME	OUTSIDE AIR (CFM)	0.4% OA HR (GR/LB)	DESIRED SPACE T (°F) / RH % / HR	VOLTS/PH/Hz	AMPS		
HUM-1	CONDAIR	RS OC 180	AHU-1	NEXT TO AHU	65.3	180	141.2	18500	5550	4.1	62 / 50 / 41.3	480/3/60	78.5	12	1-8,
HUM-2	CONDAIR	RS OC 180	AHU-2	NEXT TO AHU	65.3	180	147.3	18000	5400	4.1	70 / 40 / 44	480/3/60	78.5	12	460 1-8

- NOTES:
1. EACH UNIT SHALL BE MONITORED BY BMS SYSTEM WITH MANUFACTURER PROVIDED COMMUNICATION CARD. PROVIDE HIGH LIMIT HUMIDITY CONTROL, AIR FLOW PROVING SWITCH, MERCURY CONTACTORS.
 2. PROVIDE DRAIN COOLER FOR EACH HUMIDIFIER, PIPING SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 3. PROVIDE AND FIELD-INSTALL ULTRA-SORB DISPERSION ASSEMBLIES MOUNTED. CONNECT WITH ATMOSPHERIC STEAM HOSE-KITS. HUMIDIFIER GRID SIZES TO BE COORDINATED WITH AHU SELECTION.
 4. SUPPLY UNIT WITH REVERSE OSMOSIS WATER FROM RO GENERATOR (SEE SEPARATE SCHEDULE).
 5. UNIT SHALL INCLUDE 316 STAINLESS-STEEL CONSTRUCTION, EVAPORATING CHAMBER INSULATION AND SOLID-STATE RELAY (SSR) CONTROL OPTIONS FOR + 1% RH CONTROL.
 6. MAX AIR VOLUME IS BASED ON MAX AHU DESIGN AIR VOLUMES. DISPERSION GRID IS LOCATED IN AHU UPSTREAM OF THE COOLING COIL. DOWNSTREAM OF MIXING BOX.
 7. PROVIDE UNIT WITH OUTDOOR RATED, WEATHERPROOF, WATER TIGHT CABINET.
 8. REFERENCE MECHANICAL ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL DRAWINGS FOR SHORT CIRCUIT CURRENT RATING.

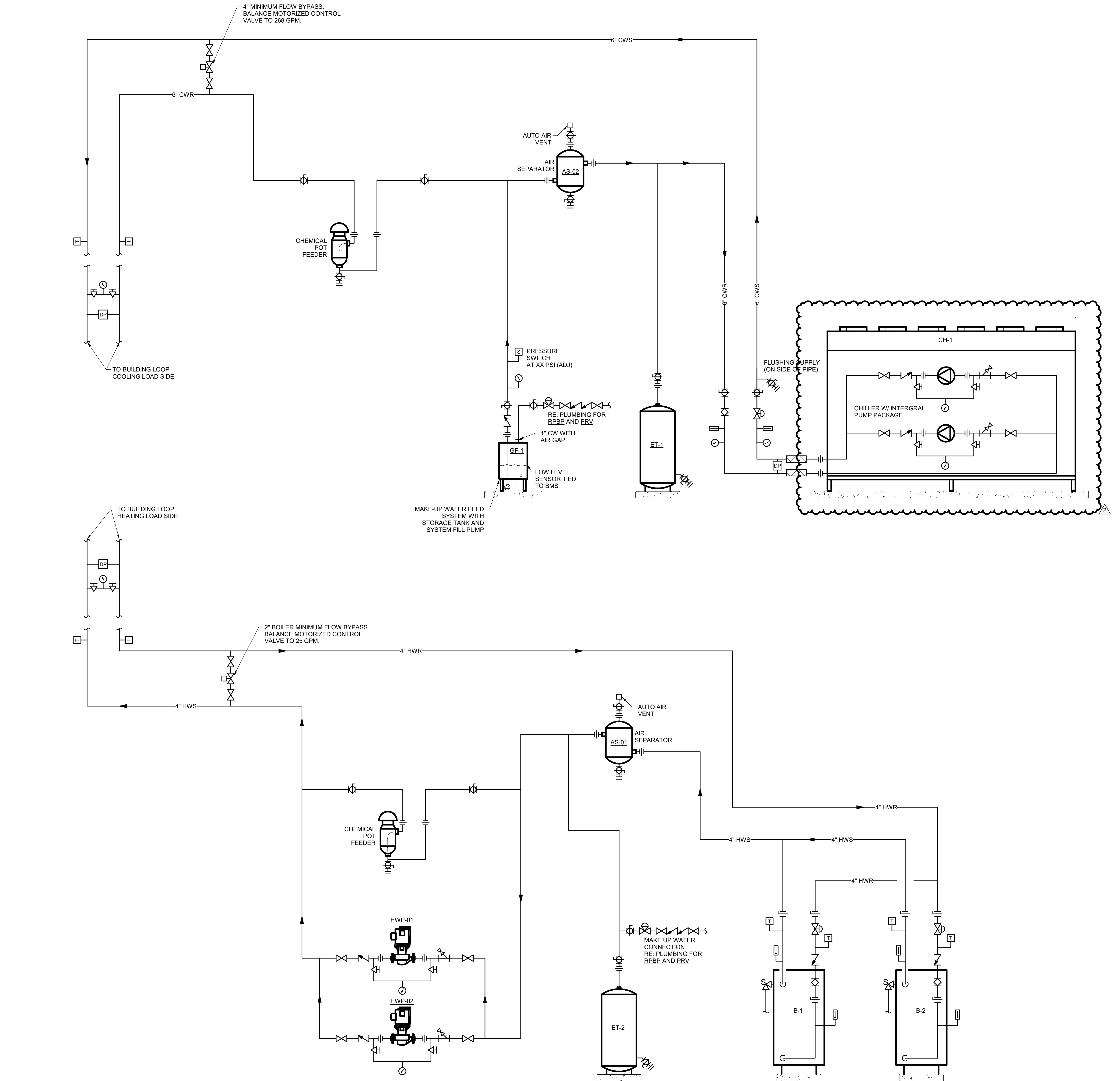
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FAN SCHEDULE

MARK	BASIS OF DESIGN	UNIT SERVED	LOCATION OF UNIT	TYPE	SERVICE	AIRFLOW TYPE	FAN						MOTOR		MAX INLET dBA	MAX SONES	WEIGHT	NOTES	
							MAX. AIRFLOW	EXT SP	BACKD... DAMPER SP	TOTAL SP	DRIVE	MAX SPEED	BHP	MAX SIZE					ELEC.
	Manufacturer "Model"	AHU-1	Room No.	ROOF	CENTRIFUGAL UPBLAST	GENERAL EXHAUST	CAV	cfm	in. wg	in. wg	in. wg		rpm	hp	hp	v/ph/hz	(dB)	lbs	
EF-1	GREENHECK CUE-140-VG	AHU-1	ROOF	ROOF	CENTRIFUGAL UPBLAST	GENERAL EXHAUST	CAV	2100	0.75	0.09	0.84	DIRECT	1,495	0.62	3/4	120/1/60	64	12.1	70 1-4
EF-2	GREENHECK CUE-140-VG	AHU-1	ROOF	ROOF	CENTRIFUGAL UPBLAST	SCOPE DECON	CAV	1100	0.3	0.06	0.36	DIRECT	900	0.13	1/4	120/1/60	53	6.8	61 1-4
EF-3	GREENHECK CUE-140-VG	AHU-1	ROOF	ROOF	CENTRIFUGAL UPBLAST	STERILIZERS	CAV	2100	0.3	0.09	0.39	DIRECT	1,750	0.30	1/2	120/1/60	61	10.4	75 1-4
EF-4	GREENHECK CUE-140-VG	AHU-1	ROOF	ROOF	CENTRIFUGAL UPBLAST	GENERAL DECON	CAV	2100	0.3	0.09	0.39	DIRECT	1,750	0.30	1/2	120/1/60	61	10.4	75 1-4
EF-5	GREENHECK USF-090-VG	AHU-1	ROOF	ROOF	UTILITY SET FAN	MED GAS RM	CAV	500	0.3	0.06	0.36	DIRECT	1170	0.06	1/4	120/1/60	52	6.0	100 1-4.6
NOTES:																			
1. ALL AIR VOLUMES STATED ARE ADJUSTED FOR ALTITUDE SHOWN.																			
2. ACTUAL TOTAL EFFICIENCY CANNOT BE LESS THAN 10% OF THE PEAK TOTAL EFFICIENCY.																			
3. PROVIDE WITH ADJUSTABLE ECM.																			
4. PROVIDE WITH MOTORIZED BACKDRAFT DAMPER.																			
5. EXHAUST FAN CAPACITY MUST BE 25% IN EXCESS OF THE ADDITIONAL CAPACITY OVER CONNECTED CFM FOR BALANCING FLEXIBILITY.																			
6. PROVIDE FAN WITH TYPE A SPARK RESISTANCE.																			
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1 CHILLED WATER/HEATING WATER SYSTEM SCHEMATIC
SCALE: NONE

BranchPattern
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PROJECT NUMBER: 1201002
BETTER BUILT ENVIRONMENTS

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Date 2/8/2023
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
2	2/20/23	ADDENDUM #2

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MECHANICAL SCHEMATICS

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CHILLED WATER SYSTEM SEQUENCE:

THE CHILLED WATER SYSTEM SHALL OPERATE WHEN THERE IS A COOLING DEMAND BY ANY AIR HANDLING UNIT CHILLED WATER COIL. THE PIPING SYSTEM IS CONFIGURED IN A VARIABLE PRIMARY CONFIGURATION WITH VARIABLE VOLUME PRIMARY PUMPS.

CHILLER CONTROL

THE BAS SHALL ENABLE/DISABLE THE CHILLER SYSTEMS. CHILLER SHALL BE PROVIDED WITH A BACNET INTERFACE TO COMMUNICATE WITH THE BAS. ALL AVAILABLE CHILLER POINTS SHALL BE MAPPED TO THE BAS AND INDICATED ON THE FRONT END WORKSTATION. THE AIR-COOLED CHILLER SHALL BE CONTROLLED BY THE MANUFACTURER'S PACKAGED CONTROLS. THE BUILDING AUTOMATION SYSTEM SHALL HAVE THE CAPABILITY TO TURN ON/OFF THE CHILLER AND ASSOCIATED VARIABLE SPEED PRIMARY PUMPS, AND ADJUST LEAVING WATER TEMPERATURE SET POINTS. BUILDING AUTOMATION SYSTEM SHALL ALSO MONITOR CONDENSER FAN MOTORS, REFRIGERANT CIRCUITS, COMPRESSOR STATUS AND RUN HOURS AND ANY/ALL ALARMS SEEN FROM CHILLER.

THE BAS SHALL CONTROL CHILLERS TO MAINTAIN CHILLED WATER SUPPLY SET POINT OF 40°F (ADJ.) AND A LOW TEMP CHILLED WATER SUPPLY SET POINT OF 35°F (ADJ.).

UPON COMMAND OF A CHILLER TO START, IT SHALL START ONCE THE HARD WIRED FLOW SWITCH DETECTS FLOW.

PRIMARY PUMP CONTROL

THE BAS SHALL PERMIT THE OPERATING VARIABLE VOLUME PUMP(S) TO OPERATE YEAR ROUND. TWO PUMPS ARE BEING PROVIDED WITH ONE WILL SERVE AS STANDBY. THE BAS SHALL DETERMINE WHICH PUMP IS THE 'LEAD' PUMP. THE BAS SHALL AUTOMATICALLY ALTERNATE THE LEAD PUMP TO THE LAG PUMP AT THE BEGINNING OF EACH MONTH.

CURRENT SWITCHES SHALL PROVIDE INPUT TO BAS FOR "PROOF OF FLOW".

TEMPERATURE SENSORS LOCATED IN THE SUPPLY AND RETURN SHALL BE USED MONITOR CHILLED WATER TEMPERATURE.

THE BAS CONTRACTOR SHALL FURNISH A DIFFERENTIAL PRESSURE SENSOR FOR THE DISTRIBUTION SYSTEM. REFER TO THE DRAWINGS FOR THE SUGGESTED LOCATIONS AND PIPING ARRANGEMENT. THE FINAL LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER BEFORE INSTALLATION. THE SENSORS SHALL BE INSTALLED BY THE HVAC CONTRACTOR AND WIRED BY THE BAS CONTRACTOR. PIPING SHALL BE AS SHOWN ON THE DRAWINGS. THE BAS SHALL MODULATE THE SPEED OF THE WATER SUPPLY PUMP(S) VIA A 4-20 MA SIGNAL TO THE VFD AS REQUIRED TO MAINTAIN THE DIFFERENTIAL PRESSURE SET POINT. THE BAS SHALL STAGE ON PUMPS AS REQUIRED TO MAINTAIN DIFFERENTIAL PRESSURE SET POINT AND MINIMUM CHILLED WATER FLOW AS RECOMMENDED BY THE MANUFACTURER. PROVIDE START/STOP OUTPUT AND ALARM INPUTS FOR THE VARIABLE FREQUENCY DRIVE (VFD) FOR EACH PUMP.

ALARM CONTACTS FROM THE PUMP VFDs SHALL BE WIRED TO THE BAS TO PROVIDE AN ALARM SIGNAL AT THE FRONT END WORKSTATION.

FREEZE PROTECTION

WHEN AIR TEMPERATURE DROPS BELOW 36°F (ADJ.) THE CHILLED WATER PUMPS SHALL ACTIVATE TO FLOW WATER THROUGH CHILLED WATER COILS AS METHOD OF FREEZE PROTECTION.

FIN TUBE RADIATOR CONTROLS SEQUENCES

- A. CONTROL VALVE ON FIN TUBE RADIATOR SHALL BE TIED INTO VAV BOX VALVE SERVING WATING ROOM. WHEN VAV HAS A CALL FOR HEAT, FTR CONTROL VALVE SHALL MODULATE OPEN.
- B. WHEN HEAT NO LONGER REQUIRED, FTR CONTROL VALVE SHALL MODULATE CLOSE.

BOILER CONTROLS SEQUENCES

BUILDING HOT WATER BOILERS B-01, B-02:

- A. THE HOT WATER PLANT WILL BE ENABLED WHENEVER THERE IS A CALL FOR HEATING FOR FIFTEEN (15) MINUTES. CALL FOR HEATING WILL BE DEFINED AS ANY HEATING COMPONENT OF THE HVAC SYSTEM NOT BEING ABLE TO MAINTAIN -3 DEG-F FROM THE CURRENT SETPOINT.
- B. THE HOT WATER PLANT WILL BE DISABLED WHENEVER THERE HAS BEEN NO CALL FOR HEATING FOR ONE HOUR.
- C. SYSTEM MINIMUM FLOW WILL BE PROVIDED BY THE SYSTEM BYPASS OPENED AND THE PACKAGED PUMP SYSTEM DESIGNED TO MAINTAIN MINIMUM FLOW.
- D. THE HOT WATER BOILERS AND THEIR RESPECTIVE TWO-POSITION CONTROL VALVES WILL BE ENABLED FROM THE DDC SYSTEM. EACH OF THE BOILERS WILL BE SEQUENCED ON AND OFF OR OPENED AND CLOSED FROM SUPPLY WATER TEMPERATURE AS REQUIRED TO MAINTAIN 130°F (ADJUSTABLE) SUPPLY WATER TEMPERATURE.
- E. EACH OF THE BOILERS INTERNAL FACTORY MOUNTED CONTROLS WILL CONTROL THE FIRING OF ITS OWN BOILER. WHENEVER A BOILER IS SHUT OFF, ITS RESPECTIVE TWO-POSITION CONTROL VALVE SHALL CLOSE AND WHENEVER A BOILER IS ACTIVATED, ITS RESPECTIVE TWO-POSITION CONTROL VALVE SHALL OPEN.
- F. CYCLE ALL BOILERS USING ITS PRE-PROGRAMMED PARALLEL MODULATION STAGING LOGIC TO MAXIMIZE HIGHER PART-LOAD (LOW FIRE) EFFICIENCY AND MINIMIZE ON/OFF SHORT CYCLING OF ANY BOILER.
- G. PROVIDE ALARM STATUS AND HISTORY TO THE BMS.
- H. SEAMLESSLY INTERFACE WITH THE BMS FOR MONITORING AND ALARMS.
- I. UTILIZE ITS OWN OUTSIDE AIR TEMPERATURE SENSOR FOR ITS PRE-PROGRAMMED WATER TEMPERATURE RESET CONTROL. RESET THE HEATING WATER TEMPERATURE ACCORDING TO THE FOLLOWING RESET SCHEDULE:

OUTSIDE AIR TEMPERATURE (OAT)	WATER SUPPLY TEMPERATURE
30°F	130°F
60°F	110°F

J. THE DDC SYSTEM WILL ENABLE THE HEATING WATER PUMPING SYSTEM TO OPERATE THE PUMPS, HWP-01, -02, ON A LEAD/LAG SEQUENCE, BASED ON THE OWNERS-DEFINED SCHEDULE AND PER THE PUMP CONTROLLER. ONCE THE PUMPING SYSTEM HAS PROVEN FLOW THROUGH THE HEATING WATER SYSTEM DIFFERENTIAL PRESSURE SWITCH, THE BOILER SYSTEM WILL BE ENABLED. THE HEATING WATER PUMPING SYSTEM CONTROLS WILL MODULATE THE PUMPS TO MAINTAIN THE HEATING WATER DIFFERENTIAL PRESSURE SET POINT (AS SENSED BY HEATING WATER SYSTEM DIFFERENTIAL PRESSURE SENSOR). IF THE PUMPING SYSTEM DOES NOT PROVE FLOW, AN ALARM WILL BE SENT TO THE BAS.

EXHAUST FAN CONTROLS SEQUENCES

- A. EXHAUST FANS SHALL BE ENABLED DURING BUSINESS HOURS WHEN THE BUILDING IS SCHEDULED OCCUPIED AND DISABLED WHEN THE BUILDING IS SCHEDULED UNOCCUPIED.
- B. EF-1 SERVES THE DECONTAMINATION ROOM. FAN SHALL OPERATE AT A CONSTANT VOLUME PER THE SCHEDULED EXHAUST REQUIREMENT FOR THIS AREA.
- C. EF-2 SERVES THE STERILIZATION ROOMS. FAN SHALL OPERATE AT A CONSTANT VOLUME PER THE SCHEDULED EXHAUST REQUIREMENT FOR THIS AREA.
- D. EF-3 SERVES GENERAL EXHAUST FOR BUILDING. FAN SHALL OPERATE AT A CONSTANT VOLUME PER THE SCHEDULED EXHAUST REQUIREMENT FOR THIS AREA.
- E. EF-4 SERVES THE MANIFOLD/GAS STORAGE ROOM. FAN SHALL OPERATE AT A CONSTANT VOLUME 24/7. PROVIDE MONITOR AND ALARM.

CABINET UNIT HEATER CONTROLS SEQUENCES

- A. ON A CALL FOR HEAT FROM THERMOSTAT, CONTROL VALVE SHALL MODULATE OPEN AND FAN SHALL ENERGIZE.
- B. WHEN SPACE TEMPERATURE IS SATISFIED, CONTROL VALVE SHALL MODULATE CLOSE AND FAN SHALL POWER OFF.

MISC. BAS CONTROL/MONITORING POINTS

POINT #	DESCRIPTION	EQUIPMENT/ AREA SERVED	POINT FUNCTION
1	SPLIT SYSTEM MONITORING	SS-1	STATUS, FAULT DETECTION
2	SPLIT SYSTEM MONITORING	SS-2	STATUS, FAULT DETECTION
3	SPLIT SYSTEM MONITORING	SS-3	STATUS, FAULT DETECTION
4	SPLIT SYSTEM MONITORING	SS-4	STATUS, FAULT DETECTION
5	SPLIT SYSTEM MONITORING	SS-5	STATUS, FAULT DETECTION
6	SPLIT SYSTEM MONITORING	SS-6	STATUS, FAULT DETECTION
7	ROOM PRESSURE MONITOR	181 - OR 1	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
8	ROOM PRESSURE MONITOR	183 - OR 2	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
9	ROOM PRESSURE MONITOR	185 - OR 3	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
10	ROOM PRESSURE MONITOR	182 - DECON	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
11	ROOM PRESSURE MONITOR	171 - STERILE ASSEM.	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
12	DOMESTIC WATER RECIRCULATION PUMP	CP-1	STATUS
13	NURSE STATION AHU FILTER MONITOR	AHU-1	AIR DIFFERENTIAL PRESSURE
14	NURSE STATION AHU FILTER MONITOR	AHU-2	AIR DIFFERENTIAL PRESSURE
15	AHU EMERGENCY POWER OFF SWITCH	AHU-1	STATUS
16	AHU EMERGENCY POWER OFF SWITCH	AHU-2	STATUS
17	MEDICAL VACUUM PUMP	MVP-1	STATUS
18	MEDICAL AIR COMPRESSOR	MAC-1	STATUS
19	INSTRUMENT AIR COMPRESSOR	IAC-1	STATUS
20	RO/DI WATER SYSTEM	DI-1	STATUS
21	WATER SOFTENER SYSTEM	WS-1	STATUS
22	HUMIDIFIER	HUM-1	STATUS
23	HUMIDIFIER	HUM-2	STATUS
24	MEDICAL REFRIGERATOR	--	TEMPERATURE, STATUS, HIGH/LOW ALARM
25	AUTOMATIC TRANSFER SWITCH	ATS-LS1	STATUS
26	AUTOMATIC TRANSFER SWITCH	ATS-CR1	STATUS
27	AUTOMATIC TRANSFER SWITCH	ATS-CR2	STATUS
28	AUTOMATIC TRANSFER SWITCH	ATS-EQ1	STATUS
29	NOURISHMENT REFRIGERATOR TEMPERATURE SENSOR	131 - NOURISH	TEMPERATURE, STATUS, HIGH/LOW ALARM
30	FROZEN TISSUE FREEZER	186 - STERILE STORAGE	TEMPERATURE, STATUS, HIGH/LOW ALARM
31	ROOM PRESSURE MONITOR	152 - GI PROCEDURE	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
32	ROOM PRESSURE MONITOR	153 - SCOPE DECON	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
33	ROOM PRESSURE MONITOR	154 - SCOPE STORAGE	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
34	ROOM PRESSURE MONITOR	156 - GI PROCEDURE	AIR DIFFERENTIAL PRESSURE, STATUS, HIGH/LOW ALARM
35	TEMPERATURE & HUMIDITY SENSOR	135 - CLEAN	LOCAL ROOM TEMPERATURE & HUMIDITY STATUS
36	TEMPERATURE & HUMIDITY SENSOR	176 - PATH LAB	LOCAL ROOM TEMPERATURE & HUMIDITY STATUS
37	HUMIDITY SENSOR	122 - MEDS	LOCAL ROOM HUMIDITY STATUS

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Date 2/8/2023
Job Number 3-22030
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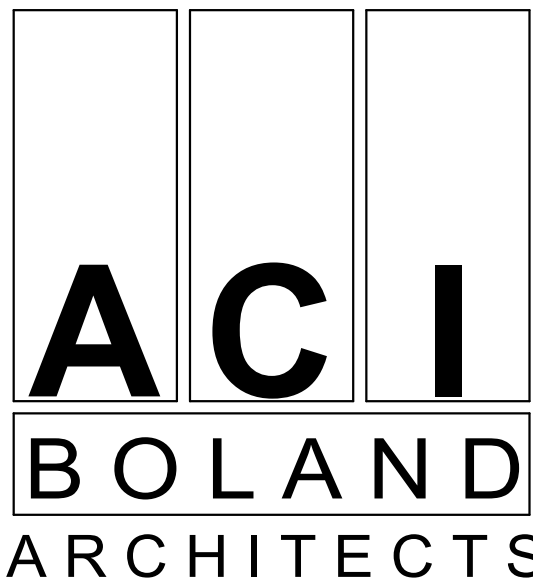
Revision		
Number	Date	Description
4	10/5/23	ASI #1
8	2/7/24	ASI #4

M7.3

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MECHANICAL CONTROLS

FIRE PROTECTION GENERAL NOTES

1. THE SPRINKLER SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, 2012 INTERNATIONAL FIRE CODE, 2012 INTERNATIONAL BUILDING CODE, ALL ELECTRICAL AND MECHANICAL EQUIPMENT ROOMS SHALL BE PROVIDED WITH AN ORDINARY HAZARD GROUP 2 (0.2 GPM/SQ. FT.) REFER TO FP101 FOR ADDITIONAL COVERAGE REQUIREMENTS. ALL SPRINKLERS SHALL BE QUICK RESPONSE TYPE UNLESS REQUIRED OTHERWISE BY CODE.
2. PIPING SIZED BY HYDRAULIC CALCULATION METHOD IN ACCORDANCE WITH THE CURRENT EDITION OF NFPA 13 AND SHALL BE SO STATED IN THE SUBMITTAL.
3. ALL FIRE PROTECTION WORK SHALL MEET ALL OF THE REQUIREMENTS OF NFPA AND LOCAL AND STATE AUTHORITIES HAVING JURISDICTION. ALL MATERIALS, METHODS, AND DESIGN SHALL BE PER CURRENT EDITION OF NFPA 13, 2012 AND SHALL BE SO STATED IN THE SUBMITTAL. FLUSH TEST SYSTEM IN ACCORDANCE WITH NFPA 13, 24 AND LOCAL CODES.
4. THE CONTRACTOR SHALL SUBMIT A SEALED SET OF INSTALLATION "SHOP" DRAWINGS, HYDRAULIC CALCULATIONS AND MATERIAL DATA FOR THE ENGINEER'S REVIEW PRIOR TO CONSTRUCTION. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
5. SPRINKLER SYSTEMS SHALL BE INSTALLED BY PERSONNEL WHO HAVE ENGINEERING FACILITIES AND EXPERIENCE IN SUCH WORK AND WHO ARE REGULARLY EMPLOYED TO DO SUCH WORK.
6. SPRINKLERS SHALL BE AS REQUIRED BY NFPA 13. WHERE EXCESSIVE TEMPERATURES ARE ANTICIPATED, HIGH TEMPERATURE HEADS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. THE CONTRACTOR SHALL INDICATE SPRINKLER TEMPERATURE RATING, ORIFICE SIZE AND TYPE ON FINAL DRAWINGS. SPRINKLERS IN FINISHED AREAS TO BE CONCEALED TYPE. SPRINKLER AND ESCUTCHEON TO BE CHROME PLATED IN UNFINISHED AREAS.
7. COORDINATE EXACT LOCATION OF SPRINKLERS, PIPING AND EQUIPMENT WITH CEILING, ELECTRICAL, MECHANICAL AND STRUCTURAL COMPONENTS OF BUILDING. MAKE MODIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.
8. ALL MATERIAL SHALL BE UL LISTED AND NFPA APPROVED.
9. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE WALLS WHICH FIRE PROTECTION PIPING PENETRATES. FIRE PROTECTION PIPING SHALL BE FIRE SALED IN AN APPROVED MANNER WHEN PENETRATING WALLS AND FLOORS. PROVIDE SLEEVES OR OTHER APPROVED MEANS AND SEAL OPENINGS IN WALLS, FLOORS, AND PARTITIONS IN SUCH A MANNER AS TO MAINTAIN THE SMOKE AND FIRE RATING OF THAT WALL, FLOOR OR CEILING.
10. SPACING OF SPRINKLERS: THE SPACING AND SIZES OF PIPES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13. SPRINKLERS SHALL BE WITHIN 6" OF CENTER OF TILE. PROVIDE SWING JOINT IF REQUIRED TO ACCOMPLISH THIS. TEMPERATURE SHALL BE AT LEAST 9" FROM ANY CEILING FIXTURE. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF SPRINKLERS AND PIPING WITH THE LIGHTING AND AIR DISTRIBUTION DRAWINGS. COORDINATE WITH ANY LIGHTING FIXTURES THAT MAY EXTEND BELOW THE CEILING TO AVOID OBSTRUCTION AS DEFINED BY NFPA 13.
11. PIPING, SPRINKLER PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE AND FITTINGS CONFORMING TO ASTM A-53 MINIMUM SIZE IS ONE INCH.
12. PIPE SUPPORTS, HANGERS, CLAMPS, ROOFS AND OTHER ACCESSORIES: SHALL BE OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING FURNISHED AND INSTALLED. PIPING SHALL BE SUPPORTED BY HAND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS. PROVIDE ALL HANGERS INCLUDING TRAPEZE HANGERS AS REQUIRED TO COMPLY WITH NFPA 13. IF BAR JOIST CONSTRUCTION IS USED, HANGERS TO TOP CHORD OF BAR JOIST ONLY. PROVIDE ANY ADDITIONAL DRAINS REQUIRED TO COMPLY WITH NFPA 13 AND LOCAL CODES WITHOUT ADDITIONAL COST TO OWNER. HANGERS HAVE NOT BEEN SHOWN FOR CLARITY.
13. ALL WORK TO BE TESTED AT 200 PSI FOR 2 HOURS. TEST TO BE WITNESSED BY KANSAS CITY FIRE DEPARTMENT. CALL THE FIRE DEPARTMENT 24 HOURS IN ADVANCE TO SCHEDULE THE SPRINKLER HYDROSTATIC AND ACCEPTANCE TEST. ALL TEST TO BE PER NFPA.
14. SPRINKLER PIPING TO BE RUN CONCEALED ABOVE THE FINISHED CEILING.
15. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND COORDINATING THE LOCATION OF ALL INSPECTOR'S TEST VALVES. THERE SHOULD BE AT LEAST ONE INSPECTOR'S TEST CONNECTION FOR EACH ZONE AND THE PROTECTION SYSTEM TEST CONNECTION TO OUTSIDE, OR OTHER ADEQUATE DRAIN. PROVIDE AND INSTALL ACCESS PANELS AS REQUIRED.
16. ALL UNDERGROUND WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-24 REQUIREMENTS BY A STATE LICENSED CONTRACTOR. UNDERGROUND PIPE TO BE PVC DR-14 WITH MECHANICAL JOINT FITTINGS. UNSTRAINED PER NFA REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO LEAVE TO NATURAL STATE ALL AREAS AFFECTED BY THE UNDERGROUND PIPE INSTALLATION OF NEW FIRE MAIN.
17. ALL TRAPPED SECTIONS OF WATER TO BE PROVIDED WITH AUXILIARY DRAINS, AS REQUIRED BY NFPA-13. DRAINS TO BE 1" GLOBE VALVE WITH NIPPLE AND CAP. IF TRAPPED SECTION IS OVER 50 GAL. PIPE TO AN APPROVED LOCATION. INSTALL SIGNS AS REQUIRED. PROVIDED CAPS AT THE END OF EACH MAIN FOR FLUSHING PURPOSES.
18. TAMPER SWITCHES AND FLOW SWITCHES SHALL BE CONNECTED FOR SUPERVISION AND ALARM TO THE FIRE ALARM PANEL. PROVIDE NECESSARY ELECTRICAL WIRING. CONNECTIONS FROM SWITCHES TO FIRE ALARM PANEL THOROUGHLY REVIEW FINAL LOCATION, TYPE, MOUNTING HEIGHT AND CONTROL OF ALL DEVICES PRIOR TO ROUGH-IN.
19. PROVIDE THE FOLLOWING SYSTEM DATA: PROVIDE COPY TO OWNER'S REP.
A. HAZARD CLASSIFICATION AREA OF APPLICATION - SQ. FT.
B. HYDRAULIC DESIGN DENSITY HOSE ALLOWANCES - GPM
C. HYDRAULIC DESIGN GPM/SQ. FT.
D. TOTAL SYSTEM REQUIREMENTS - GPM AT PSI
E. HYDRAULIC DESIGN SQ. FT. HD
F. WATER SUPPLY STATE PRESSURE - PSI
20. PROVIDE TEST DATA AFTER SYSTEM INSTALLATION.
21. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COMMUNICATIONS WITH THE PROPERTY OWNER'S PERSONNEL TO REVIEW CONTRACT DOCUMENTS PRIOR TO INSTALLATION.
22. IN GENERAL, PLANS AND DETAILS ARE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED. COORDINATE ALL FIRE PROTECTION WORK WITH THE MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS TO DISCUSS PIPE ROUTING, EQUIPMENT LOCATIONS AND POTENTIAL AREAS OF CONFLICT. COORDINATION DRAWINGS MUST BE SUBMITTED SHOWING FIRE SPRINKLER PIPING AND SPRINKLERS FULLY COORDINATED WITH ALL OTHER TRADES. THE CONTRACTOR SHALL MAKE ANY "HIT" THAT RISE IN THE FIELD DURING INSTALLATION WILL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
23. THE CONTRACTOR SHALL KEEP A MASTER SET OF BLUE LINE PRINTS THAT ARE TO BE MARKED UP TO REFLECT "AS BUILT" CONDITIONS ON A DAILY BASIS. THESE "AS BUILT" MARK UPS MAY BE REVIEWED BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE AT THEIR REQUEST AND WITHOUT PRIOR NOTIFICATION. THESE "AS BUILT" DRAWINGS WILL BE TURNED OVER TO THE OWNER AT THE CONCLUSION OF THE PROJECT.
24. THE CONTRACTOR SHALL INCLUDE ALL NECESSARY FEES AND CHARGES IN HIS BID.
25. PROVIDE SPARE SPRINKLER FOR EACH SPRINKLER TYPE USED IN BUILDING QUANTITY BY NFPA 13). A SPRINKLER WRENCH AND A SPRINKLER CABINET. THE CABINET SHALL BE MOUNTED ON THE WALL ADJACENT TO THE RISER.
26. FIRE ALARM PANEL FOR REMOTE MONITORING, ALARM, RESET, ETC. WILL BE LOCATED AS INDICATED. REFER TO FIRE ALARM ELECTRICAL DRAWINGS.
27. PROVIDE ELECTRONIC DISC FILE FOR ID OF EVERY ITEM IN THE FIRE PROTECTION SYSTEMS INCLUDING FIRE ALARM SYSTEM.
28. VALVE TYPES FOR BRANCH LINES SHALL BE SUPERVISED BALL VALVES, AND FOR THE MAINS (LARGER LINES) USE SUPERVISED OSSY.
29. CONTRACTOR SHALL OBTAIN A CURRENT 2 HYDRANT WATER FLOW TEST OR WATER MODEL DATED WITHIN (12) MONTHS FROM TIME OF SHOP DRAWING SUBMITTAL. ALL HYDRAULIC CALCULATIONS SHALL BE BASED ON THIS FLOW TEST.
30. CALCULATIONS SHOULD MAINTAIN A MINIMUM 10% SPRINKLER SYSTEM SAFETY FACTOR.
31. SYSTEM SHALL BE INSTALLED WITH LIGHT HAZARD CLASSIFICATION UNLESS OTHERWISE REQUIRED BY THE LOCAL NFPA AND IBC REQUIREMENTS. SECAL, ARCHITECTURAL LIFE SAFETY DRAWINGS AND DETAILS FOR FURTHER BUILDING CLASSIFICATION INFORMATION.
32. CONFIRM WITH LOCAL FIRE CHIEF THAT STANDPIPES ARE NOT REQUIRED FOR THIS BUILDING.
33. FIRE PROTECTION CONTRACTOR SHALL FULLY PARTICIPATE IN THE BUILDING SYSTEMS COORDINATION PROCESS. THIS INCLUDES MEETING WITH THE MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS TO DISCUSS PIPE ROUTING, EQUIPMENT LOCATIONS AND POTENTIAL AREAS OF CONFLICT. COORDINATION DRAWINGS MUST BE SUBMITTED SHOWING FIRE SPRINKLER PIPING AND SPRINKLERS FULLY COORDINATED WITH ALL OTHER TRADES. THE CONTRACTOR SHALL MAKE ANY "HIT" THAT RISE IN THE FIELD DURING INSTALLATION WILL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
34. FIRE PROTECTION CONTRACTOR SHALL BE AWARE THAT DUCTWORK AND HYDRONIC PIPING TAKES PRECEDENCE OVER SPRINKLER PIPING WITH REGARDS TO ABOVE CEILING SPACE. IT IS ASSUMED THAT FOR COORDINATION PURPOSES THE BRANCH SPRINKLER PIPING CAN RUN ABOVE THE BOTTOM OF BEAMS/JOISTS TO THE REQUIRED CLEARANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DUCTWORK/PIPING LAYOUT PRIOR TO DRAWING FIRE SPRINKLER SHOP DRAWINGS. CEILING SPACE WITH ROOFS ABOVE ARE ESPECIALLY COMPACT AND CAREFUL ATTENTION SHOULD BE PAID TO PIPE SLOPES AND ROUTING.
35. LIGHT FIXTURE LOCATIONS IN CEILINGS TAKE PRECEDENCE OVER SPRINKLER HEAD LOCATIONS. CEILING DIFFUSERS MAY BE USED TO AN ADJACENT TILE IF THE RELOCATION WILL ELIMINATE THE NEED FOR AN ADDITIONAL SPRINKLER HEAD WITH APPROVAL BY THE ENGINEER.
36. THE KANSAS CITY FIRE DEPARTMENT SHALL WITNESS THE FULL FLOW FLUSH TEST PRIOR TO CONNECTION TO THE FIRE SPRINKLER SYSTEM.
37. FIRE PROTECTION WATER ENTRY SIZE IS A MINIMUM. PIPE SIZE MAY INCREASE BASED ON SITE FLOW AND PRESSURE CONDITIONS.



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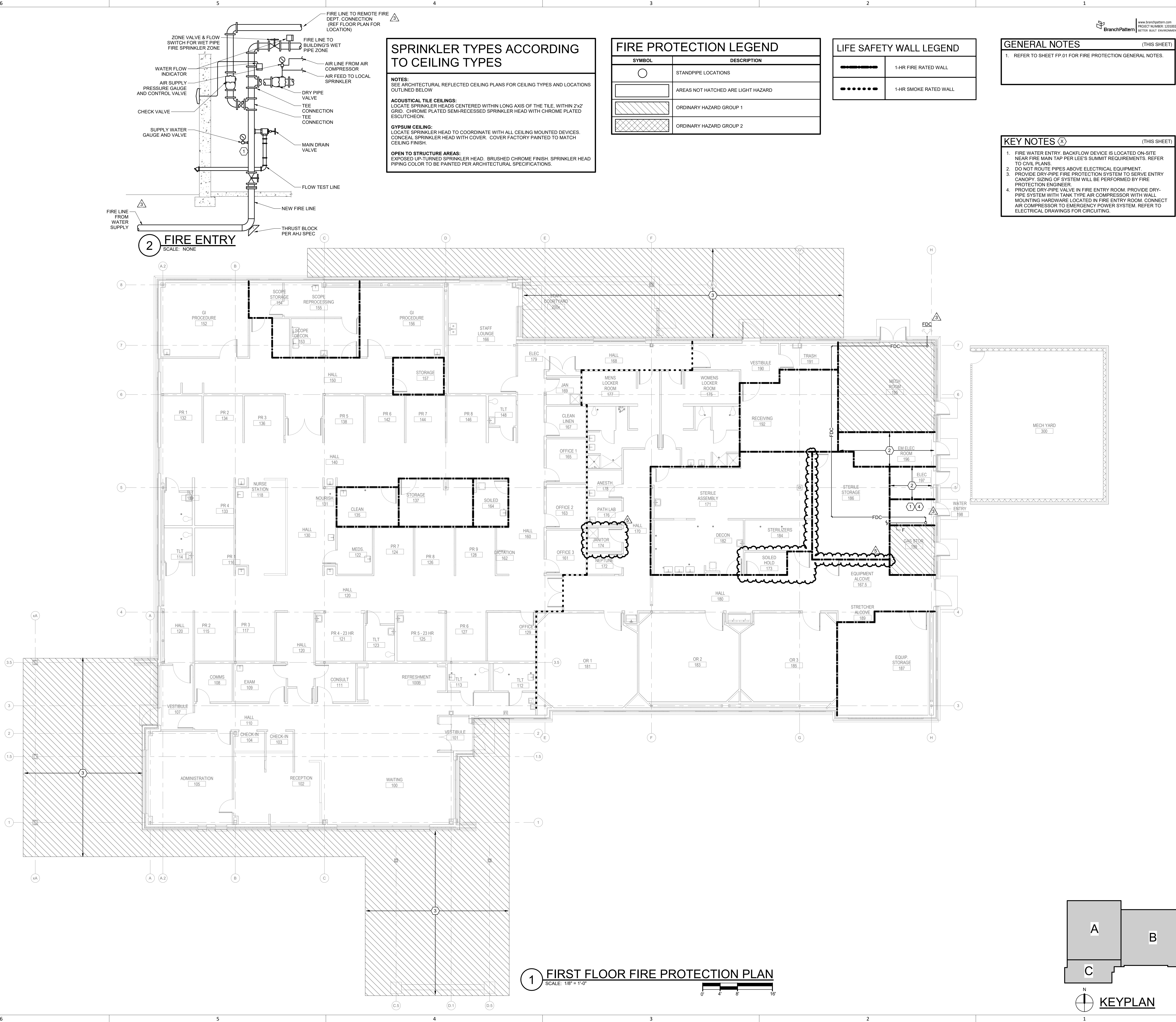
Date	2/8/2023
Job Number	3-22030
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Revision		
Number	Date	Description
3	3/7/23	ADDENDUM #1

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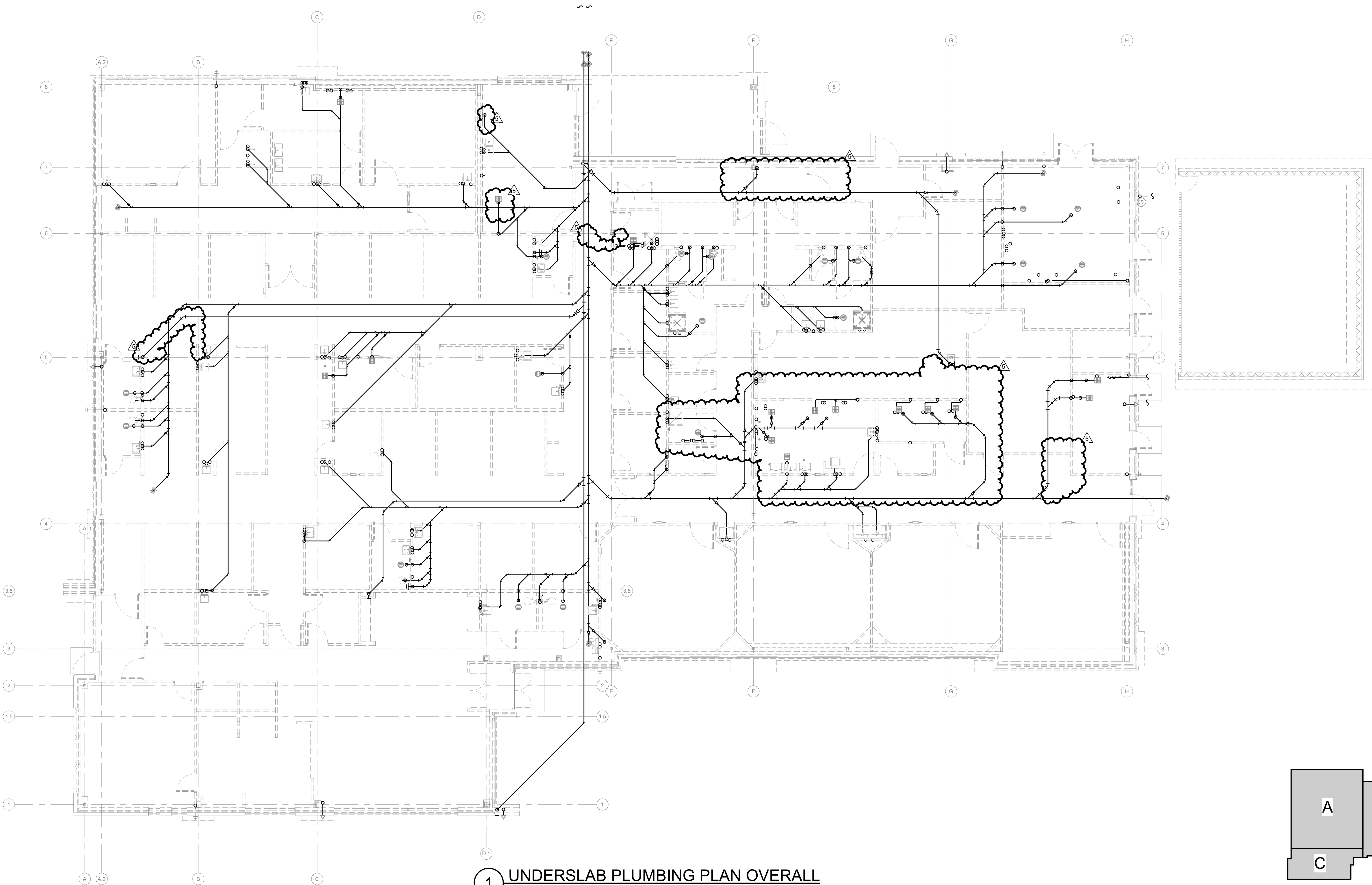
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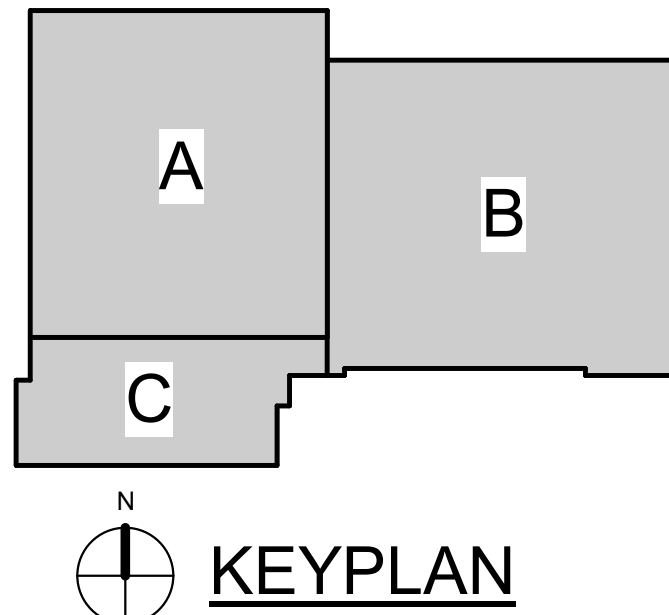
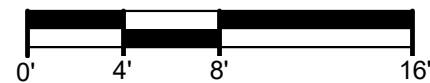
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Date 2/8/2023
Job Number 3-22030
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Number	Date	Description
3	3/7/23	ADDENDUM #3
5	11/8/23	ASI #2



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



- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
 - STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
 - PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
 - RECESS FLOOR SINK 0.25'-0.375' TO PREVENT WATER POOLING ON FLOOR.

- KEY NOTES** (THIS SHEET)
- 1-1/2" SAN UP TO EMERGENCY EYE WASH.
 - 2" SAN UP TO LAVATORY SINK.
 - 2" SAN UP TO ELECTRIC WATER COOLER.
 - 3" SAN UP TO CLINICAL SERVICE SINK.
 - 3" SAN UP TO MOP SINK BASIN.
 - 4" SAN UP TO WATER CLOSET.
 - 2" SAN UP TO URINAL.
 - 2" SAN UP TO SHOWER.
 - 2" SAN UP.
 - 4" SAN UP.
 - NOT USED.
 - 1-1/2" V UP.
 - 2" V UP.
 - 1-1/2" SAN UP.

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Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
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Revision		
Number	Date	Description
5	11/8/23	ASI #2

P1.0
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UNDERSLAB PLUMBING PLAN - OVERALL

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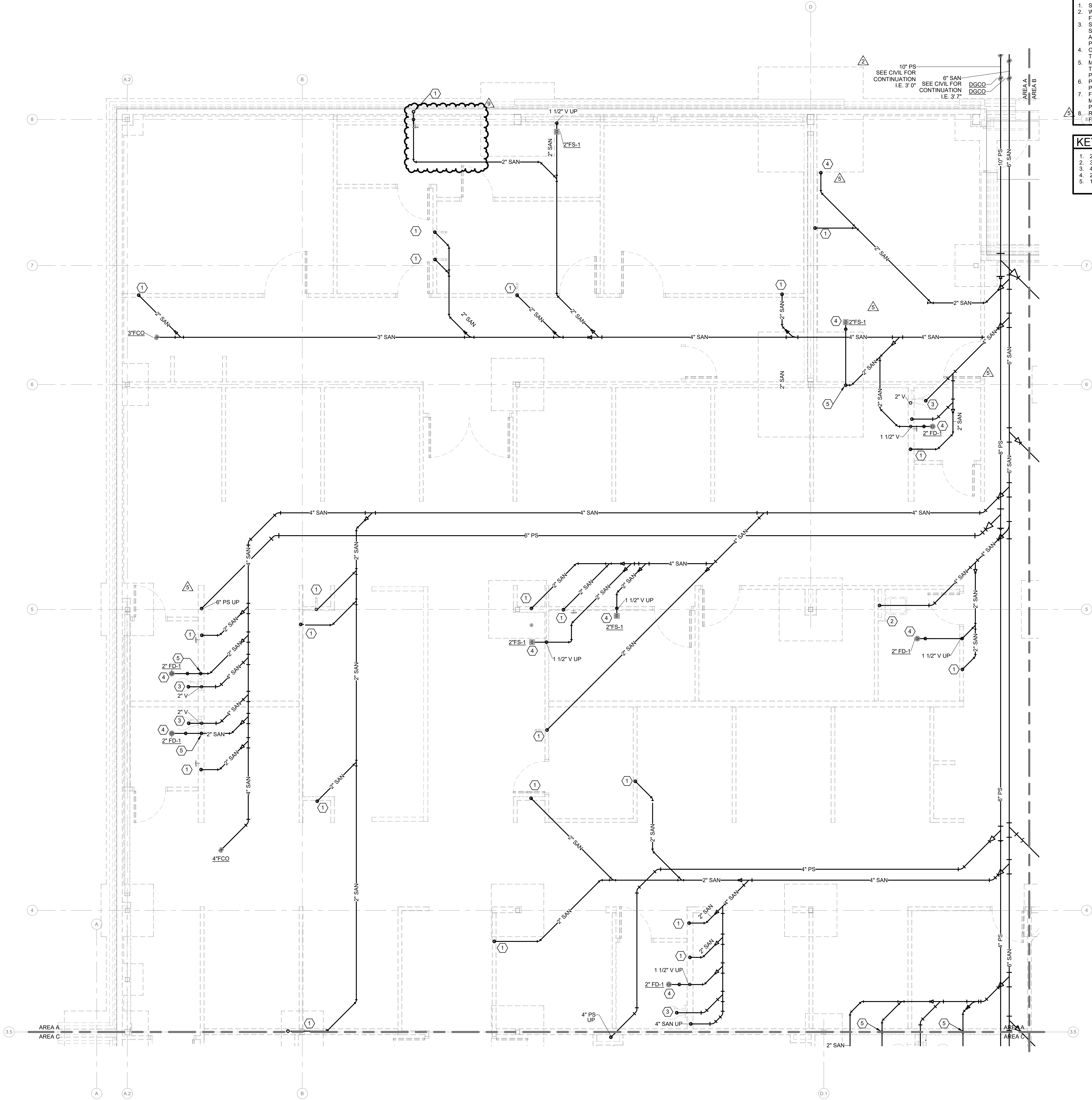
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Development Services Department
Lee's Summit, Missouri
09/13/2024



GENERAL NOTES

(THIS SHEET)

1.

SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.

2.

WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 2" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.

3.

STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.

4.

COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.

5.

MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.

6.

PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.

7.

FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.

8.

RECESS FLOOR SINK 0.25"-0.375" TO PREVENT WATER POOLING ON FLOOR.

KEY NOTES

(THIS SHEET)

1.

2" SAN UP TO LAVATORY/SINK.

2.

3" SAN UP TO CLINICAL SERVICE SINK.

3.

4" SAN UP TO WATER CLOSET.

4.

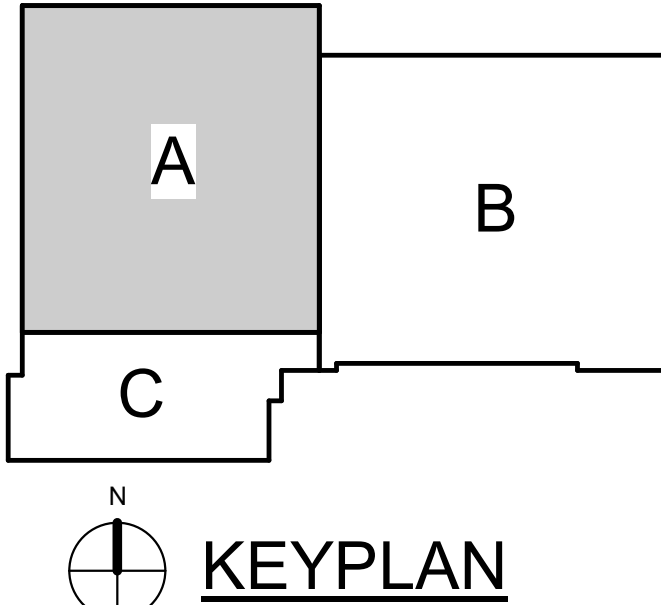
2" SAN UP.

5.

1-1/2" V UP.

1 UNDERSLAB PLUMBING PLAN - AREA A

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



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Date	2/8/2023
Job Number	3-22030
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Revision		
Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
9	4/29/24	ASI #6

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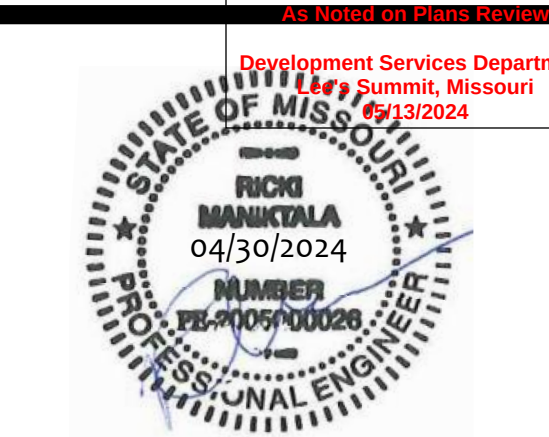
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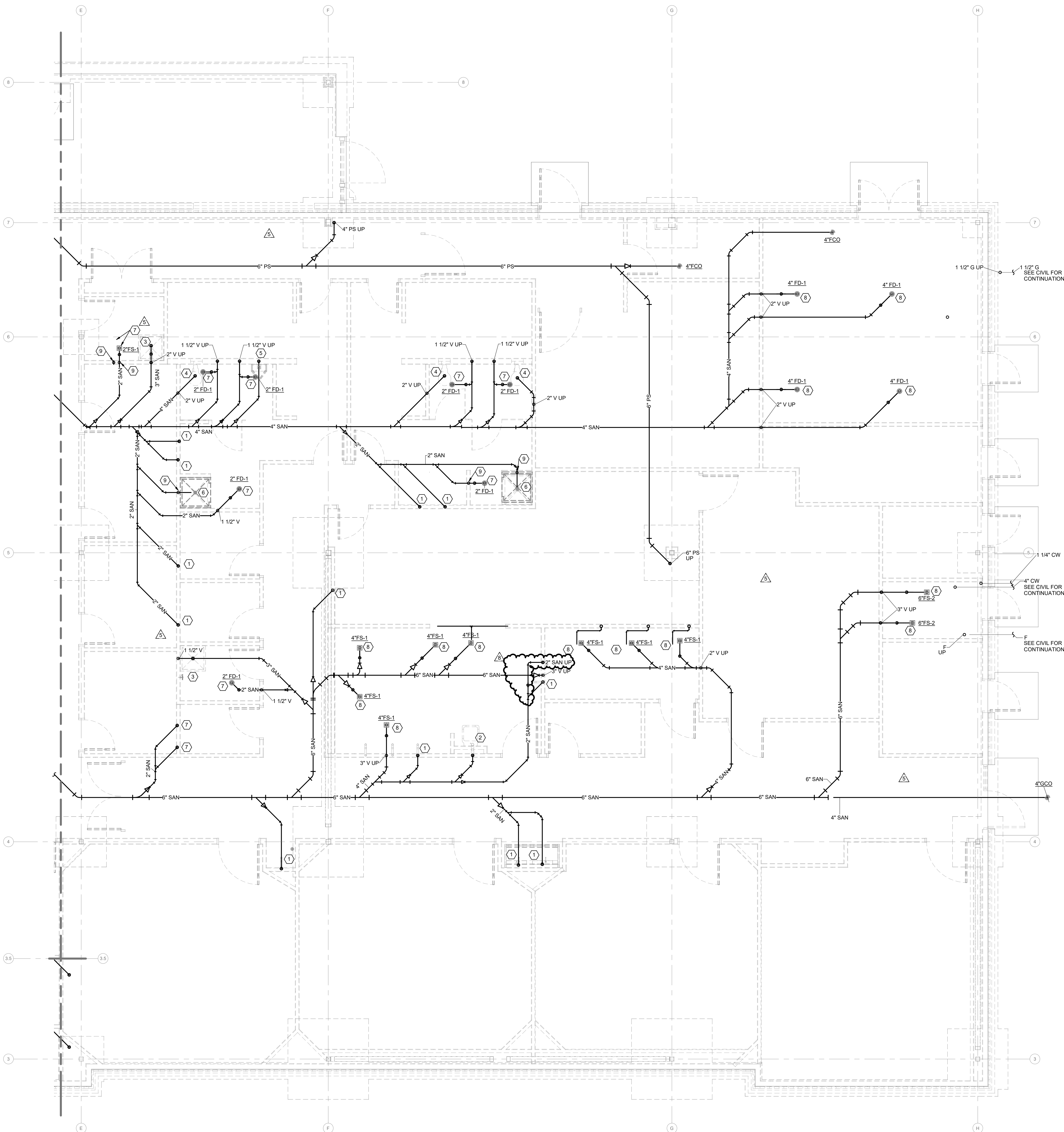
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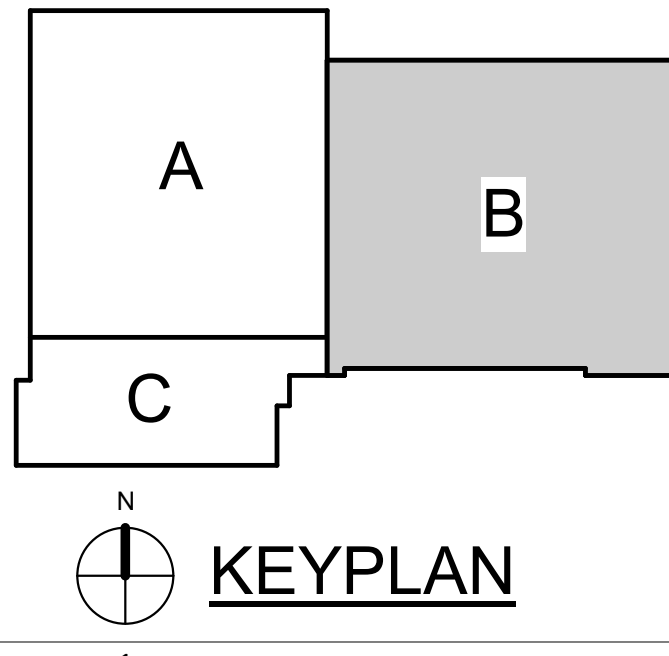
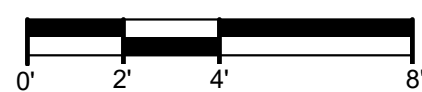
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1 UNDERSLAB PLUMBING PLAN - AREA B
SCALE: 1/4" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
 - STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACES), AND ABOVE ACT CEILINGS.
 - PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
 - RECESS FLOOR SINK 0.25'-0.375" TO PREVENT WATER POOLING ON FLOOR.

- KEY NOTES** (THIS SHEET)
- 2" SAN UP TO LAVATORY/SINK.
 - 3" SAN UP TO CLINICAL SERVICE SINK.
 - 3" SAN UP TO MOP SINK BASIN.
 - 4" SAN UP TO WATER CLOSET.
 - 2" SAN UP TO URINAL.
 - 2" SAN UP TO SHOWER.
 - 2" SAN UP.
 - 4" SAN UP.
 - 1-1/2" V UP.
 - 2" V UP.

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5	11/8/23	ASI #2
8	2/7/24	ASI #4

P1.0B

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UNDERSLAB PLUMBING PLAN - AREA B

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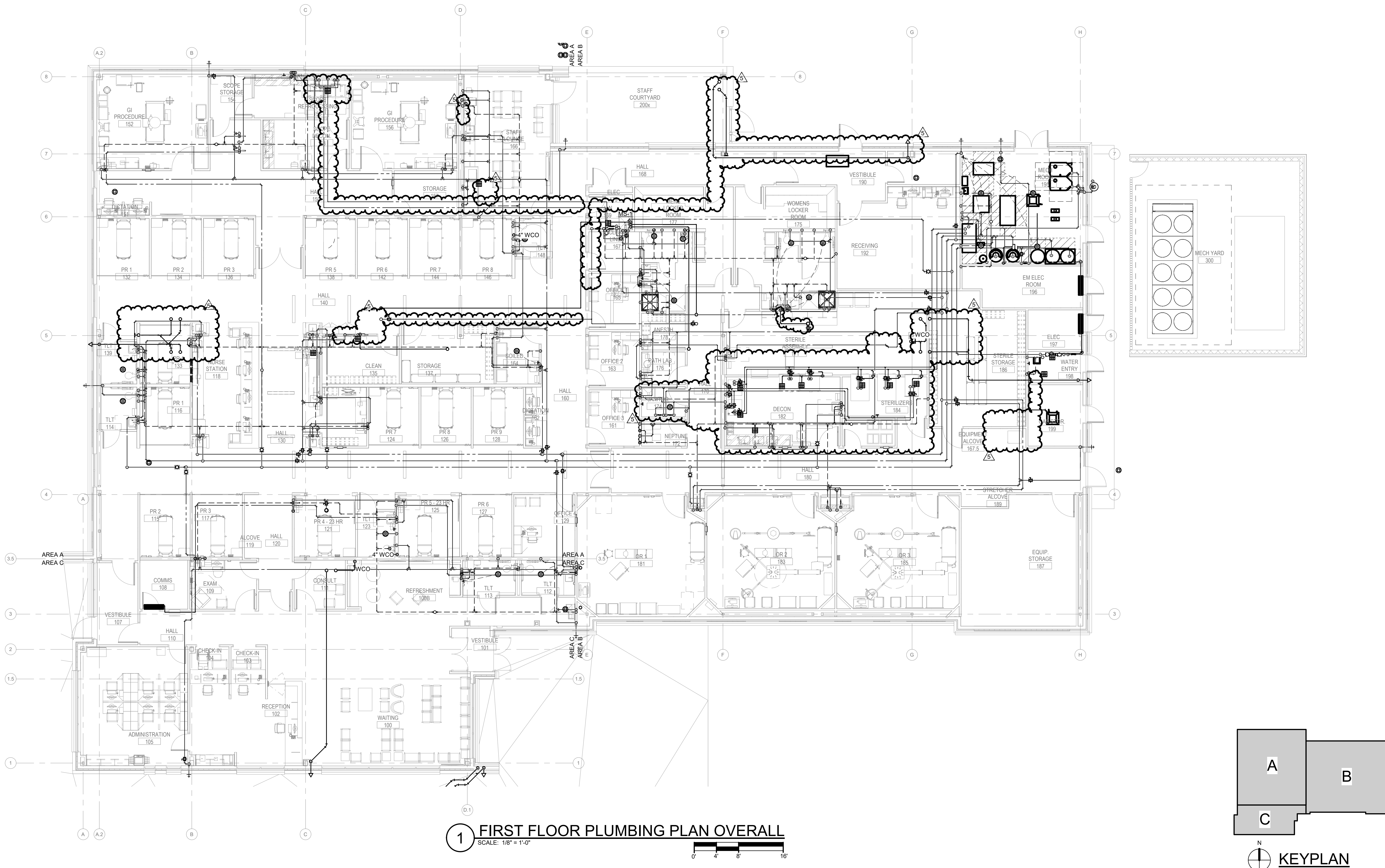
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- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
 - STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
 - PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
 - RECESS FLOOR SINK 0.25'-0.375' TO PREVENT WATER POOLING ON FLOOR.

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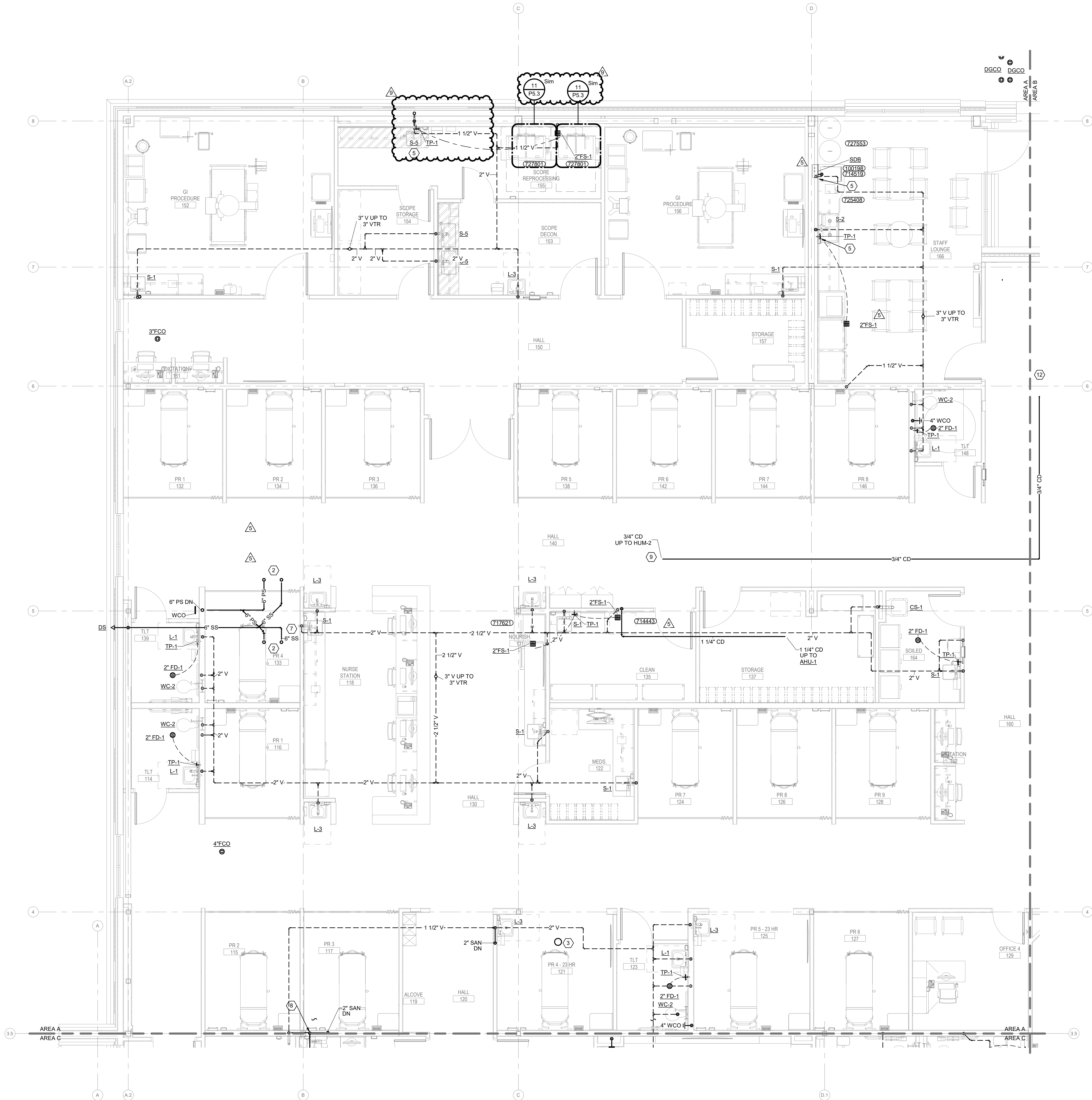
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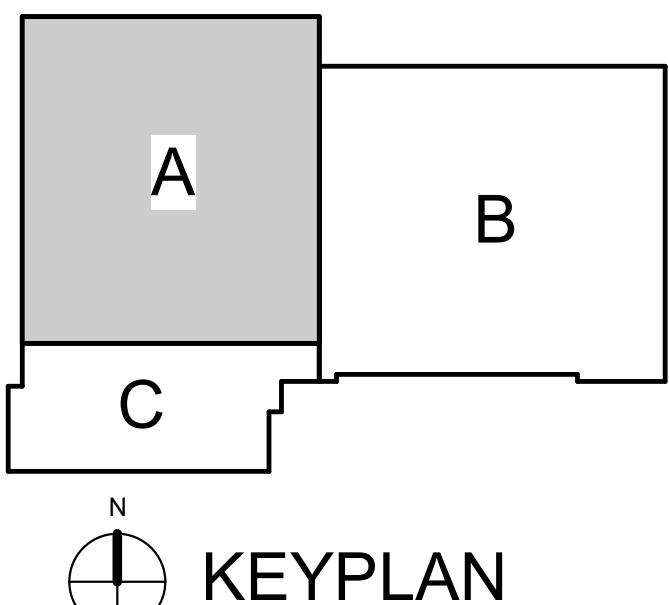
Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	JS
Checked By	AB, RC, MG

Revision		
Number	Date	Description
5	11/8/23	ASI #2



1 FIRST FLOOR DRAIN AND VENT PLAN - AREA A
SCALE: 1/4" = 1'-0"



GENERAL NOTES (THIS SHEET)

- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
- WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
- STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
- COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
- MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
- PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
- FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
- RECESS FLOOR SINK 0.25"-0.375" TO PREVENT WATER POOLING ON FLOOR.

KEY NOTES (THIS SHEET)

- 4" PS UP TO RD ON ROOF. 4" SS UP TO OD ON ROOF.
- 6" PS UP TO RD ON ROOF. 6" SS UP TO OD ON ROOF.
- DRAIN TUBING FROM RHG ON ROOF ABOVE. ROUTE DRAIN TUBING DOWN IN LAVATORY WALL AND CONNECT TO LAVATORY TAIL PIECE.
- REFER TO DETAIL 8 ON P5.3 FOR HUMIDIFIER PIPING LAYOUT.
- DROP SANITARY FROM FIXTURE THROUGH BOTTOM OF CASEWORK AND NOT IN WALL TO AVOID GRADE BEAM BELOW WALL STRUCTURE IN THIS LOCATION.
- ROUTE 3/4" CD FROM SS-1 DOWN WALL TO NEAREST SINK TAIL PIECE.
- ALL SANITARY AND STORM STACKS SHALL HAVE A WCO 18" AFF BEFORE GOING UNDERSLAB.

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
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5	11/8/23	ASI #2
9	4/29/24	ASI #6

P1.1A
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FIRST FLOOR DRAIN & VENT
PLAN - AREA A

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4/29/2024

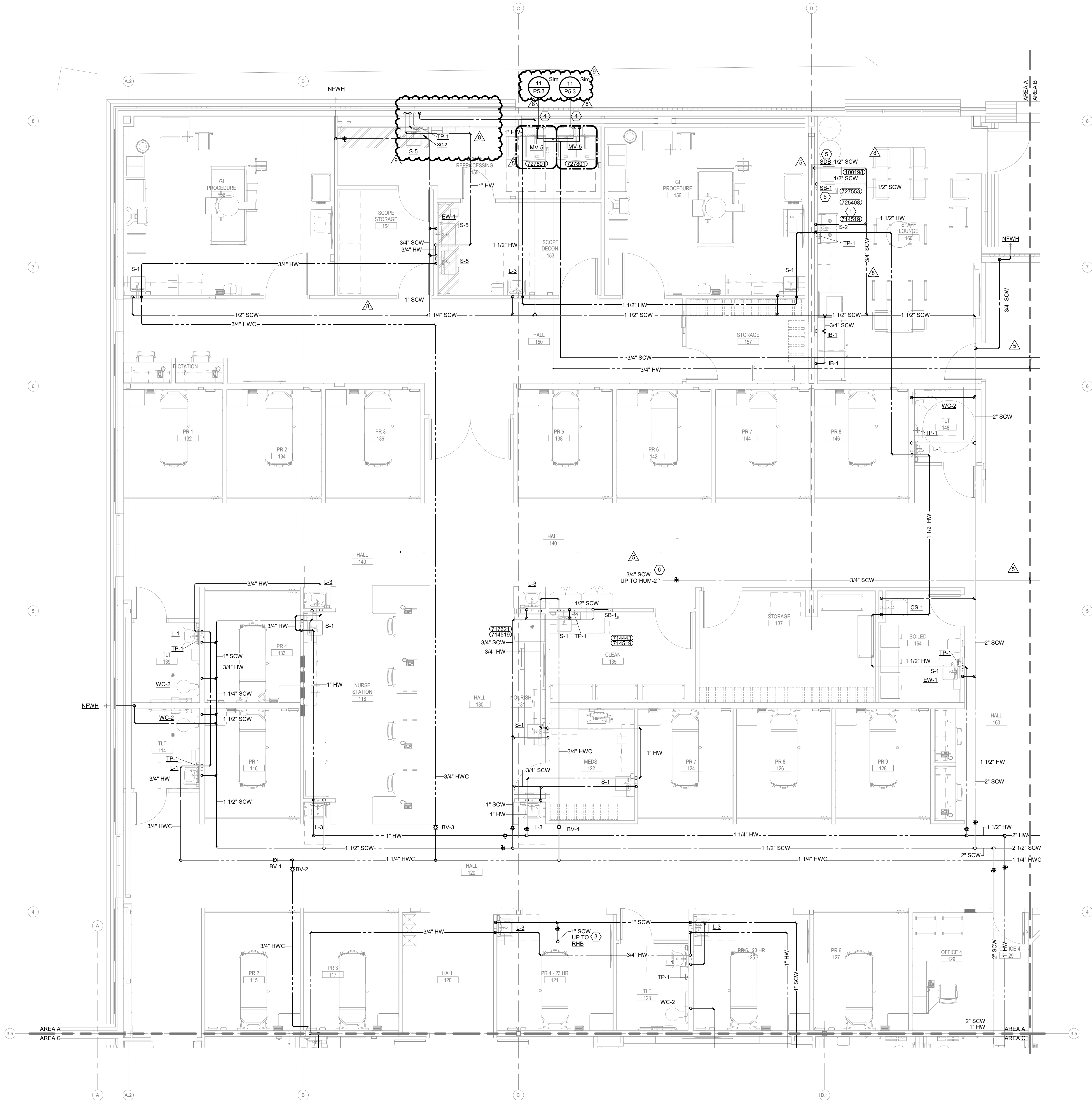
STATE OF MISSOURI
RICKI MANAKULA
Professional Engineer
No. 000958

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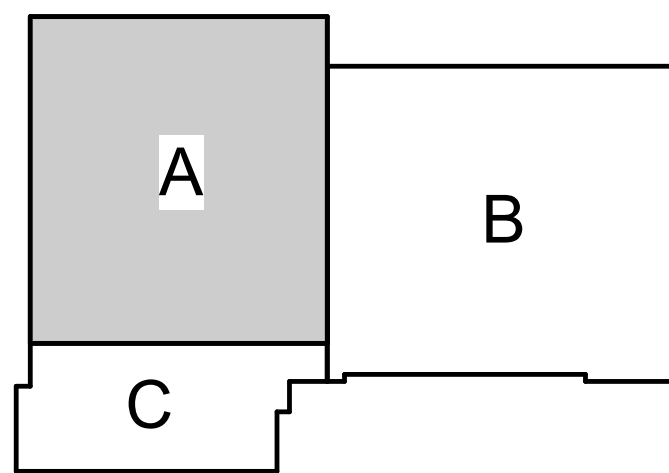
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1 FIRST FLOOR WATER AND GAS PLAN - AREA A
SCALE: 1/4" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND FIXTURE CONNECTION SIZES.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
 - PIPING DROPS TO FIXTURES ON EXTERIOR WALL SHALL BE ROUTED ON WARM SIDE OF INSULATION TO PROTECT FROM FREEZING.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.

- KEY NOTES** (THIS SHEET)
- INSTALL WALL BOX UNDER SINK WITHIN CABINERY. INSTALL STAINLESS STEEL, DOUBLE PITCHED DRAIN PAN BELOW FILTER AND PROVIDE 1" DRAIN CONNECTED TO SINK TAILPIECE.
 - PROVIDE HEAT TRACE ON SCW PIPING SERVING HUMIDIFIERS EQUAL TO RAYCHEM XL-TRACE EDGE.
 - 1" SCW SUPPLY UP TO RHB ON ROOF ABOVE. PROVIDE SHUTOFF VALVE IN BRANCH FOR SEASONAL SHUTOFF.
 - PROVIDE TEMPERATURE AND PRESSURE GAUGES ON WATER PIPING SERVING MEDIVATORS. SEE ALL REQUIRED ACCESSORIES AND FULL INSTALLATION DETAIL ON P5.3.
 - INSTALL ALL WATER CONNECTIONS BELOW COUNTER.

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5	11/8/23	ASI #2
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9	4/29/24	ASI #6

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FIRST FLOOR WATER & GAS
PLAN - AREA A

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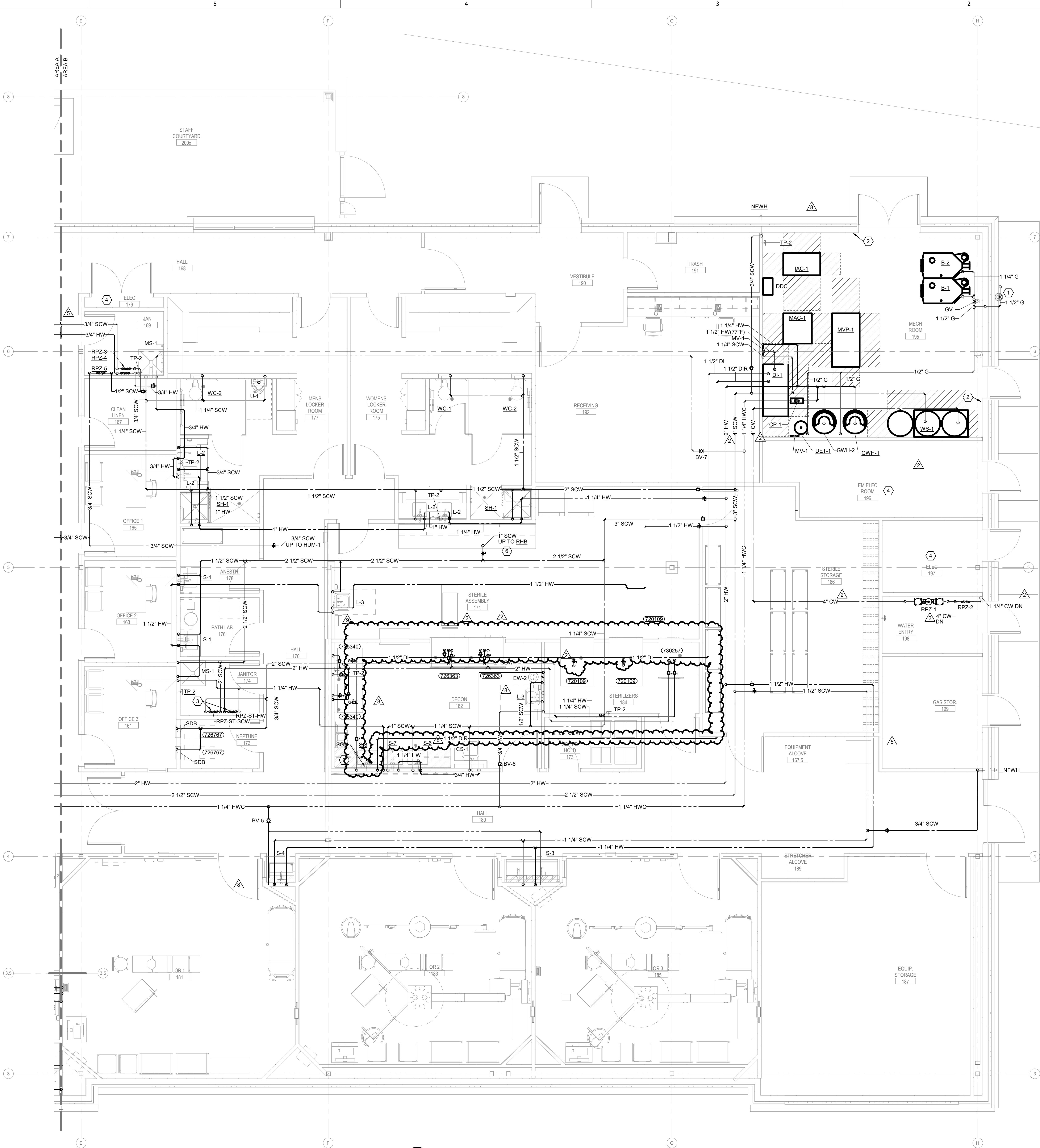
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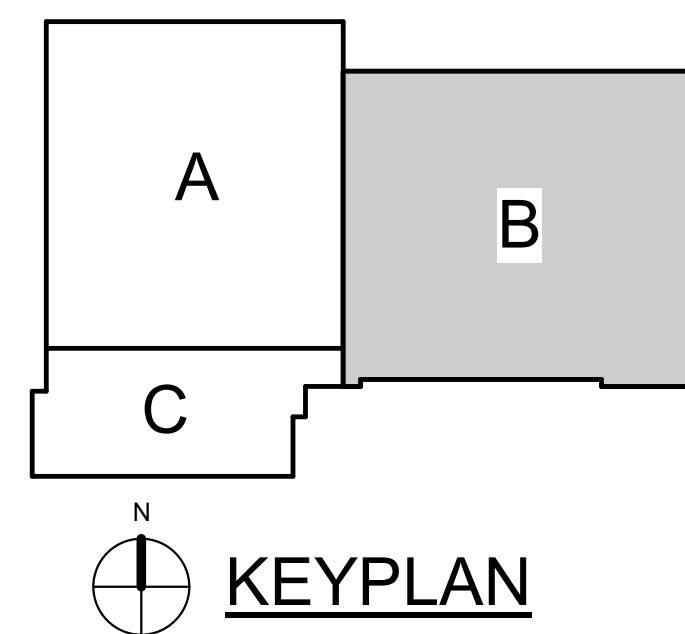
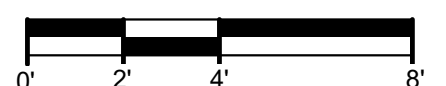
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1 FIRST FLOOR WATER AND GAS PLAN - AREA B
SCALE: 1/4" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND FIXTURE CONNECTION SIZES.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
 - PIPING DROPS TO FIXTURES ON EXTERIOR WALL SHALL BE ROUTED ON WARM SIDE OF INSULATION TO PROTECT FROM FREEZING.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
- KEY NOTES** (THIS SHEET)
- NATURAL GAS METER AND BUILDING PRESSURE REGULATOR. COORDINATE WITH UTILITY PROVIDER.
 - LOCATION OF BOILER EMERGENCY SHUTDOWN BUTTON TIED TO 120V ELECTRONIC SOLENOID VALVE IN NATURAL GAS PIPING.
 - PROVIDE LINE SIZE RPZ BACKFLOW PREVENTER TO SERVE THE STERILE/DECON EQUIPMENT FOR SCW AND HW. ROUTE DRAIN TO MOP SINK IN JAN 173. COORDINATE INDIRECT DRAIN SIZE WITH MANUFACTURER.
 - ROUTING PIPE OVER THIS ROOM IS PROHIBITED UNLESS OTHERWISE NOTED.
 - PROVIDE HEAT TRACE ON SCW PIPING SERVING HUMIDIFIERS EQUAL TO RAYCHEM XL-TRACE EDGE.
 - 1" SCW SUPPLY UP TO RHB ON ROOF ABOVE. PROVIDE SHUTOFF VALVE IN BRANCH FOR SEASONAL SHUTOFF.
 - EMERGENCY DOMESTIC WATER CONNECTION. INSTALL 3/8" AFF. PIPING TO BE SLOPED BACK TOWARDS EMERGENCY CONNECTION.
 - NOT USED.
 - COILED PIPING BELOW TABLE. FINISH WITH ESCUTCHEON. SHUTOFF VALVE BELOW SINK SURFACE. SERVE WATER GUN WITH DI WATER.

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ACI/Boland, Inc. 4/29/2024

Development Services Department
Lee's Summit, Missouri
4/29/2024

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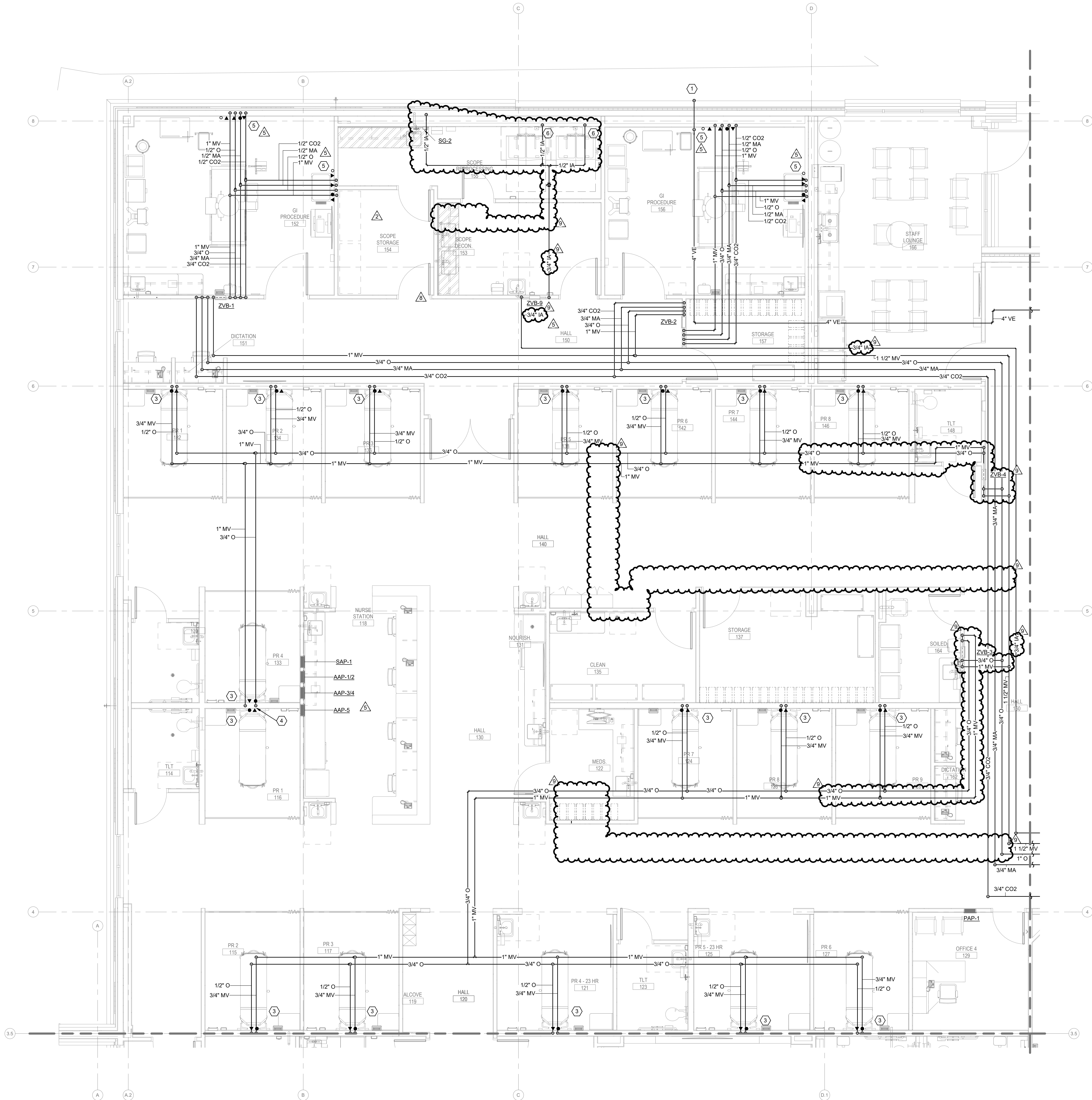
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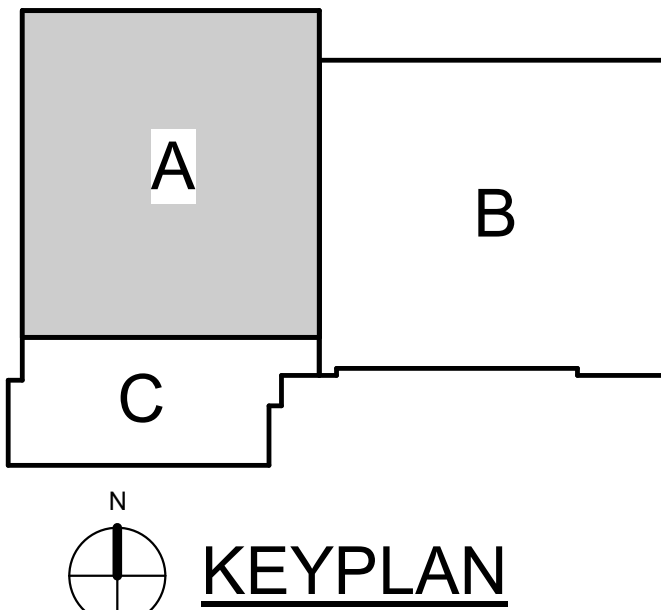
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2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

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FIRST FLOOR WATER & GAS
PLAN - AREA A



1 FIRST FLOOR GAS AND VACUUM PLAN - AREA A
SCALE: 1/4" = 1'-0"



GENERAL NOTES (THIS SHEET)

- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
- COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
- FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
- MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACES), AND ABOVE ACT CEILINGS.
- ALL WALL MEDICAL GAS OUTLETS TO BE OHMEDA DIAMOND COMPATIBLE PIN INDEX. CEILING OUTLETS TO BE DISS TYPE WITH HOSE ASSEMBLIES AND RETRACTORS.
- POSITIVE PRESSURE GAS PIPING RUNOUTS NO SMALLER THAN 1/2". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 3/4" MIN. VACUUM GAS PIPING RUNOUTS NO SMALLER THAN 3/4". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 1" MIN.
- PLUMBING PLANS GOVERN THE QUANTITY OF MEDICAL GAS STATION INLETS/OUTLETS. REFER TO ARCHITECTURAL ELEVATIONS AND CEILING PLANS FOR COORDINATED AND DIMENSIONED LOCATIONS.

KEY NOTES (THIS SHEET)

- DISCHARGE VACUUM PUMP EXHAUST PIPING AS HIGH ON EXTERIOR WALL AS POSSIBLE. DO NOT ROUTE TO THE ROOF. DO NOT LOCATE WITHIN 25' OF ANY BUILDING OPENING.
- 1" MV DOWN IN WALL, BRANCH 3/4" MV TO VACUUM CONNECTIONS ON BOTH SIDES OF WALL. 3/4" O DOWN IN WALL, BRANCH 1/2" O TO OXYGEN CONNECTIONS ON BOTH SIDES OF WALL. 3/4" MA DOWN IN WALL, BRANCH 1/2" MA TO MEDICAL AIR OUTLETS ON BOTH SIDES OF WALL.
- WALL MOUNT MED GAS OUTLET ARRAY CONSISTING OF ONE (1) OXYGEN OUTLET, ONE (1) MEDICAL VACUUM INLET AND ONE (1) VACUUM SLIDE.
- NOT USED.
- HEADWALL MED GAS OUTLET ARRAY CONSISTING OF (1)O2, (1)MA, (1)CO2 OUTLETS, (2)VAC INLETS AND (2) VACUUM SLIDES.
- 1/2" INSTRUMENT AIR DROP TO EACH MEDIVATOR. COORDINATE FINAL ROUGH-IN LOCATION AND ELEVATION WITH EQUIPMENT.

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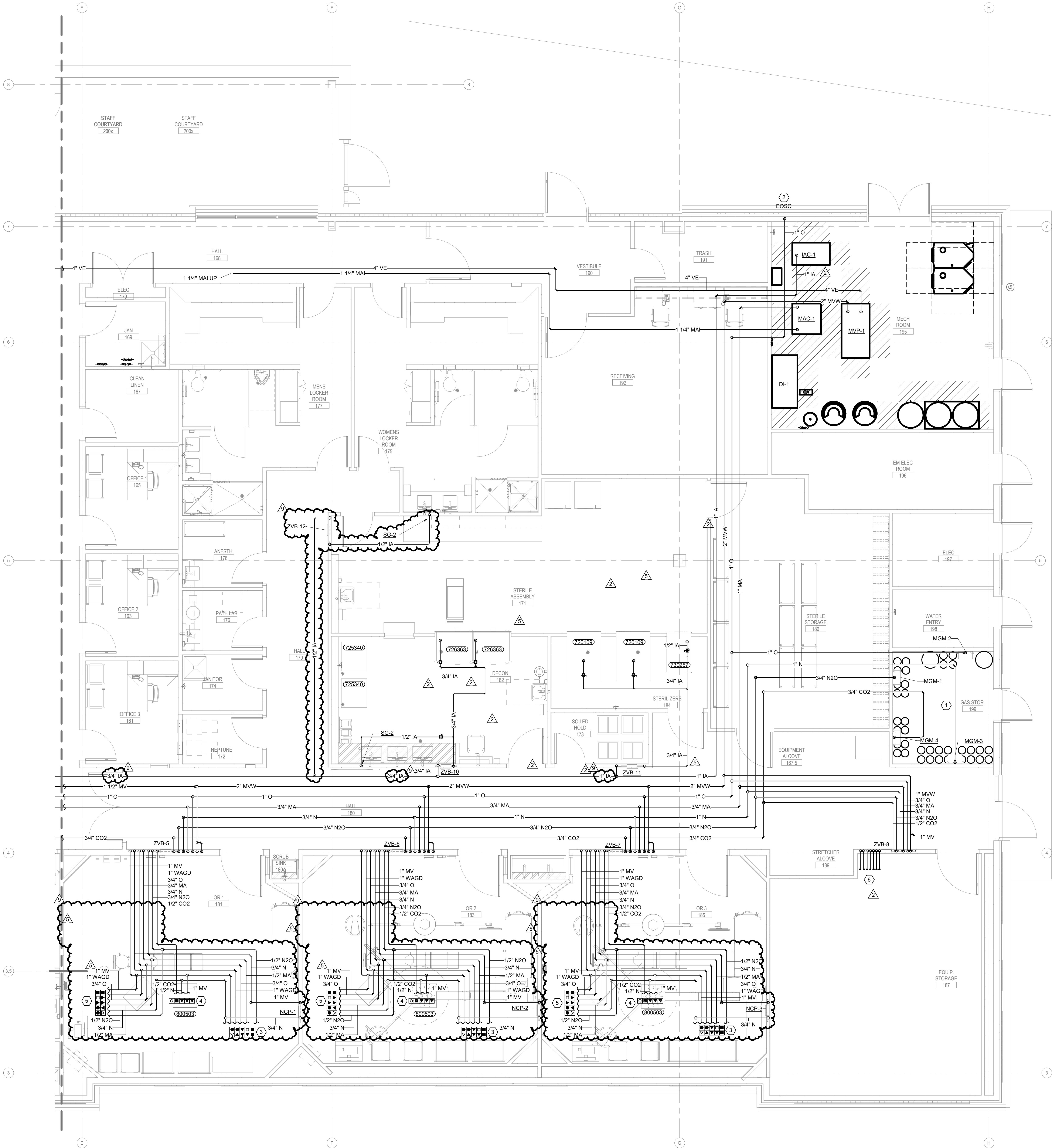
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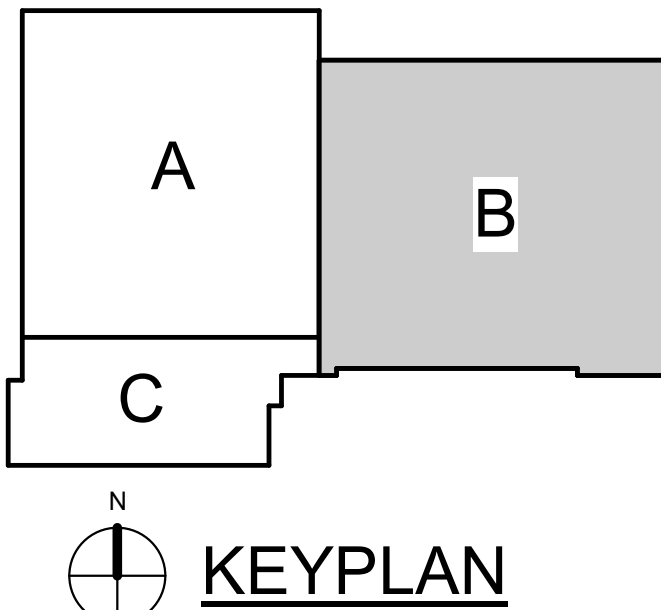
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9	4/29/24	ASI #6

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FIRST FLOOR GAS & VACUUM
PLAN - AREA A



1 FIRST FLOOR GAS AND VACUUM PLAN - AREA B
SCALE: 1/4" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
- SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
 - COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
 - FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
 - MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
 - ALL WALL MEDICAL GAS OUTLETS TO BE OHMEDA DIAMOND COMPATIBLE PIN INDEX. CEILING OUTLETS TO BE DISS TYPE WITH HOSE ASSEMBLIES AND RETRACTORS.
 - POSITIVE PRESSURE GAS PIPING RUNOUTS NO SMALLER THAN 1/2". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 3/4" MIN. VACUUM GAS PIPING RUNOUTS NO SMALLER THAN 3/4". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 1" MIN.
 - PLUMBING PLANS GOVERN THE QUANTITY OF MEDICAL GAS STATION INLETS/OUTLETS. REFER TO ARCHITECTURAL ELEVATIONS AND CEILING PLANS FOR COORDINATED AND DIMENSIONED LOCATIONS.
- KEY NOTES** (THIS SHEET)
- VENT MANIFOLDS TO EXTERIOR OF THE BUILDING.
 - LOCATION OF EMERGENCY OXYGEN SUPPLY CONNECTION.
 - CEILING MEDICAL GAS OUTLET ARRAY CONSISTING OF TWO (2) OXYGEN, ONE (1) MEDICAL AIR, TWO (2) MEDICAL VACUUM, ONE (1) N2O, TWO (2) NITROGEN, AND ONE (1) WAGD OUTLETS.
 - CONNECT TO O.R. BOOM MEDICAL GAS INLETS/OUTLETS CONSISTING OF ONE (1) CO2 OUTLET, ONE (1) NITROGEN OUTLET AND THREE (3) MEDICAL VACUUM INLETS.
 - CEILING MED GAS OUTLET ARRAY CONSISTING OF TWO (2) OXYGEN OUTLETS, ONE (1) MEDICAL AIR, THREE (3) MEDICAL VACUUM, ONE (1) WAGD, TWO (2) NITROGEN, AND ONE (1) N2O.
 - MEDICAL GAS PIPING FOR FUTURE OPERATING ROOM EXPANSION. CAP PIPING AND LOCK SHUTOFF VALVES IN THE OFF POSITION.

RELEASED FOR CONSTRUCTION
ACI/Boland, Inc. 04/30/2024

Development Services Department
Lee's Summit, Missouri
04/30/2024

STATE OF MISSOURI
RICKI MANAKULA
04/30/2024
MISSOURI PROFESSIONAL ENGINEER

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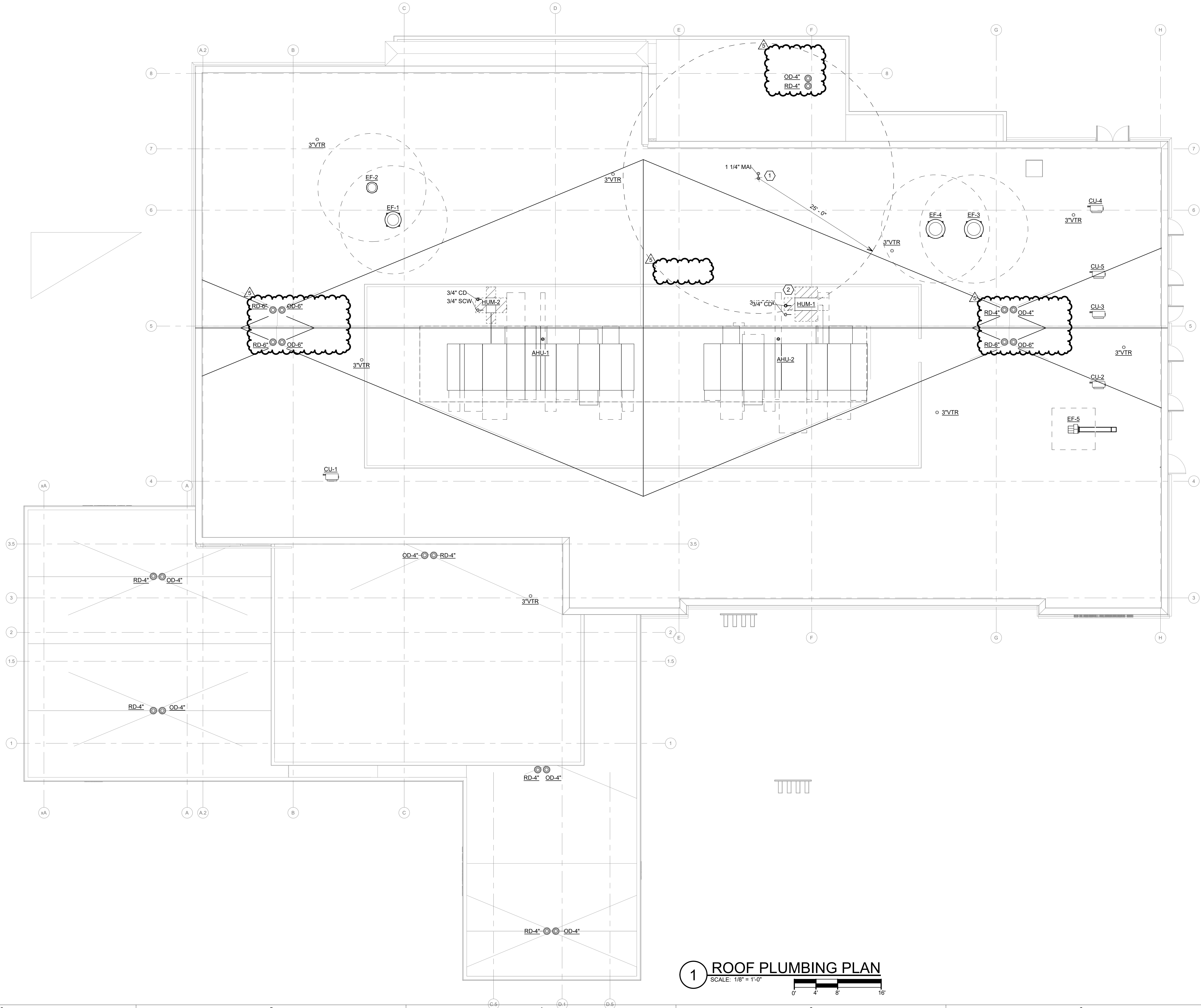
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FIRST FLOOR GAS & VACUUM
PLAN - AREA A



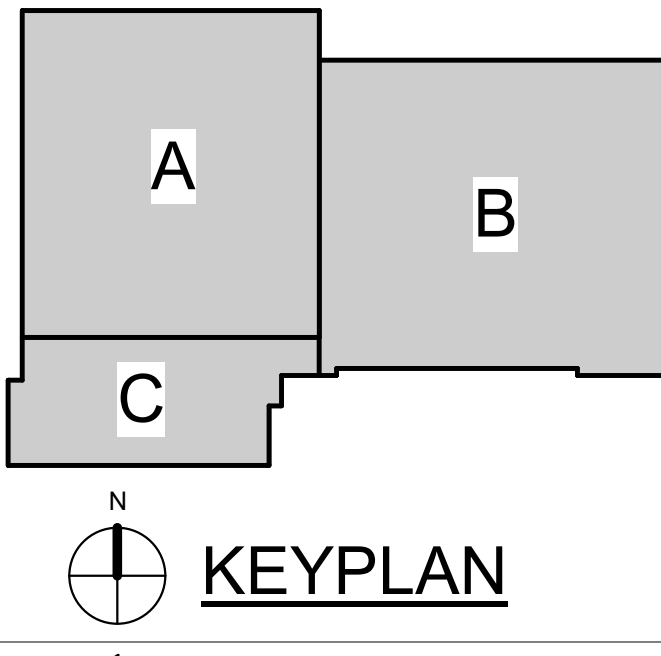
GENERAL NOTES (THIS SHEET)

1. SEE SHEET M0.1 AND P0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (THIS SHEET)

1. TERMINATE MEDICAL AIR COMPRESSOR INTAKE WITH GOOSENECK PER DETAIL.

2. HUMIDIFIER SERVED WITH 3/4" SOFTENED COLD WATER FROM BELOW. ROUTE 3/4" DRAIN COOLER DISCHARGE TO NEAREST FLOOR OR MOP SINK IN BACK OF HOUSE SPACE. SEE DETAIL 8 ON P5.3.



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

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

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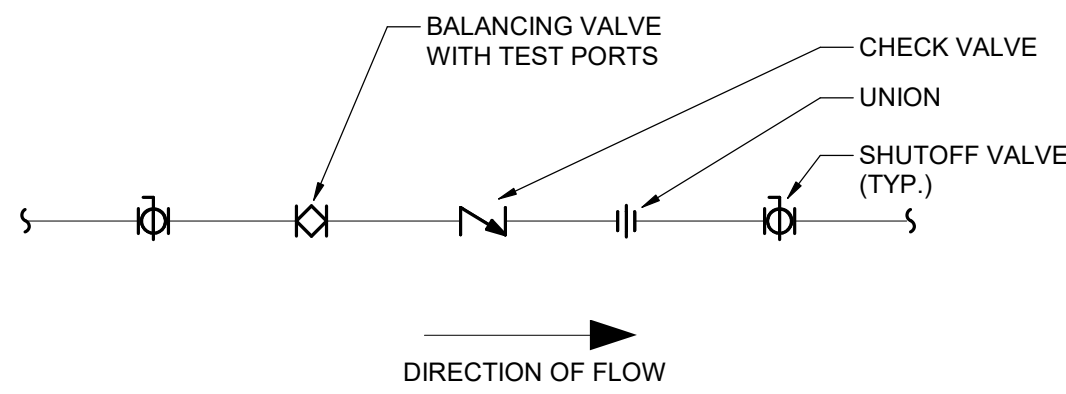
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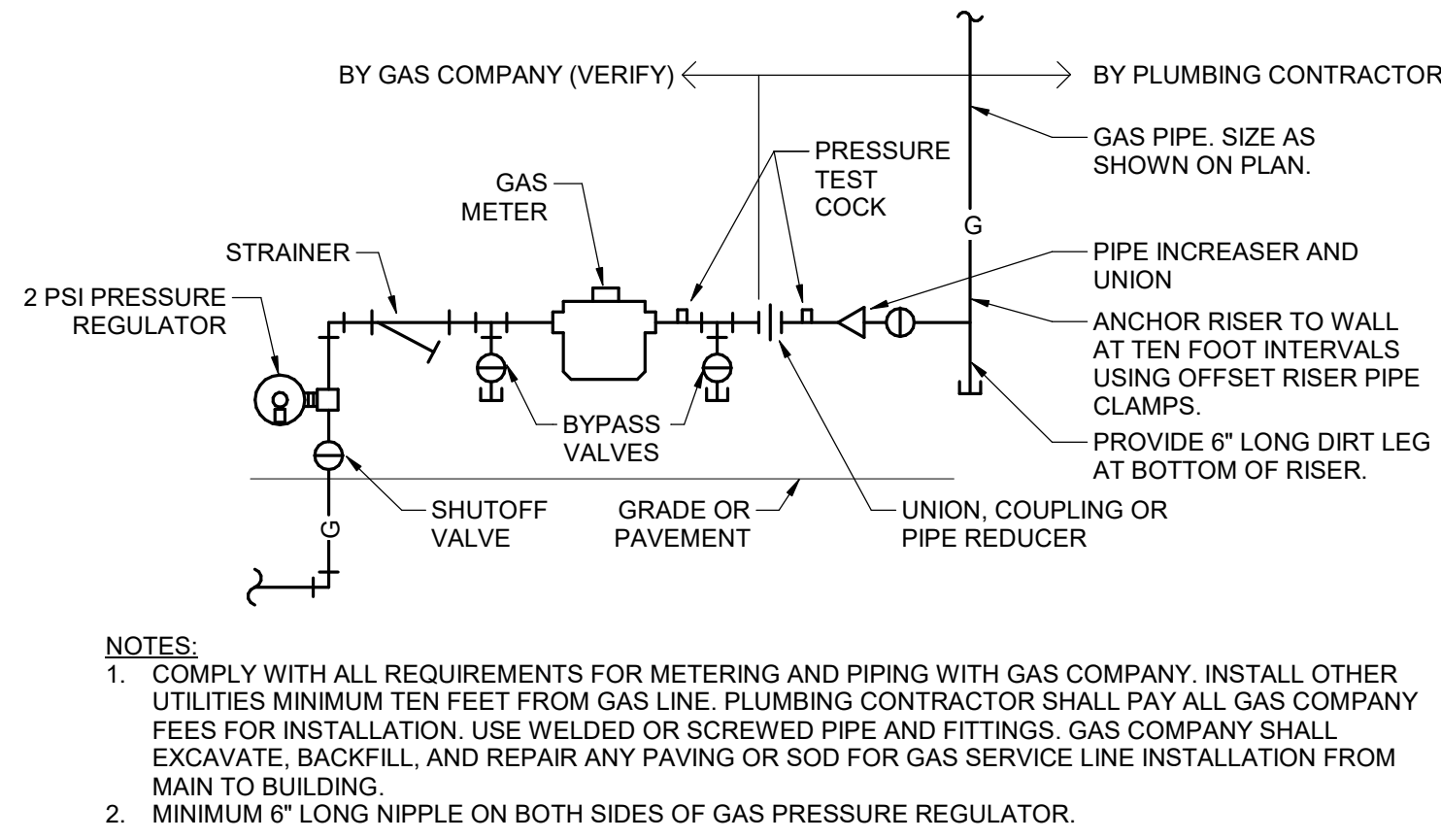
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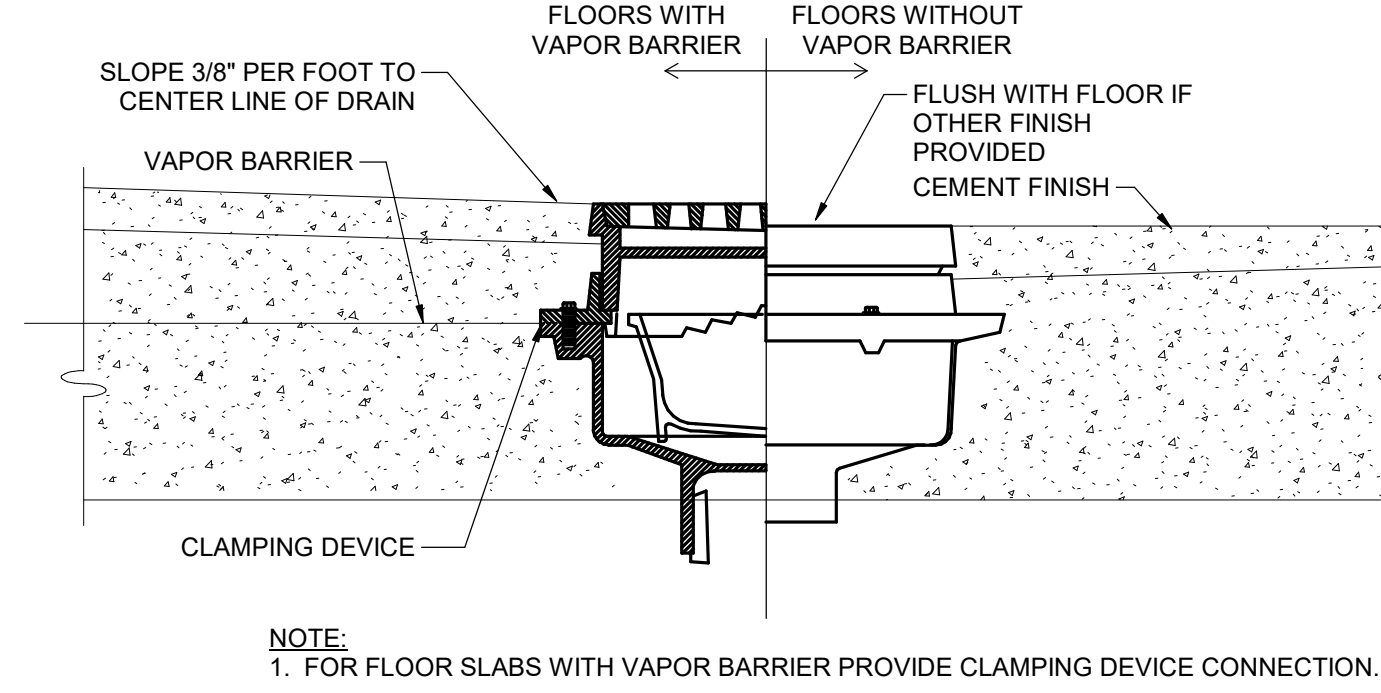
4 HWC BALANCING VALVE ASSEMBLY
SCALE: NONE

NOTES:
1. PROVIDE WCO AT BASE OF ALL SANITARY WASTE AND STORM RISERS. PROVIDE WCO WHERE SHOWN ON PLANS, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS. REFER TO PLUMBING FIXTURE SCHEDULE FOR FURTHER INFORMATION.
2. CLEANOUT FACE SHALL BE WITHIN 1-1/2" OF WALL SURFACE. PROVIDE EXTENSION IF REQUIRED.

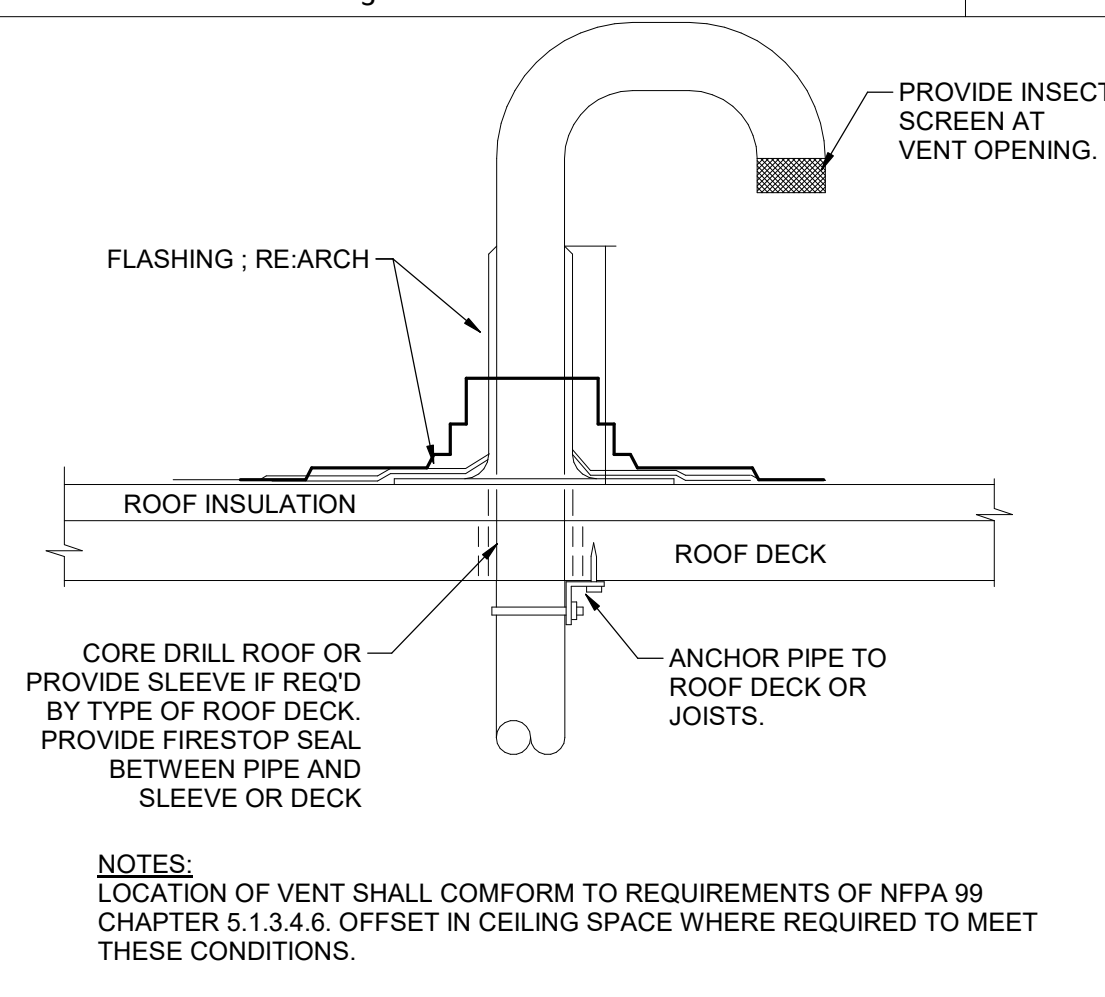
1 WALL CLEANOUT
SCALE: NONE



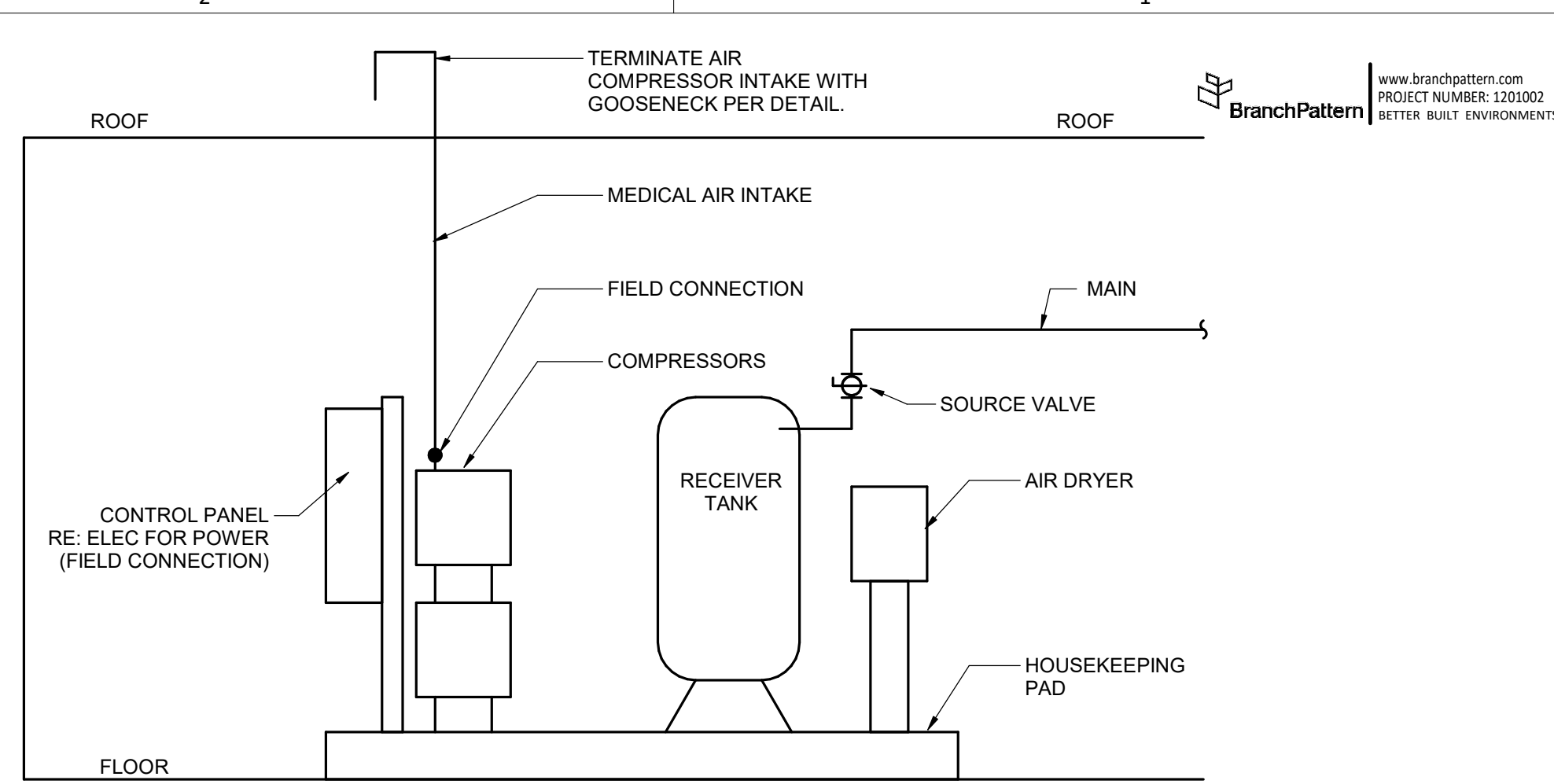
5 GAS SERVICE WITH REGULATOR
SCALE: NONE



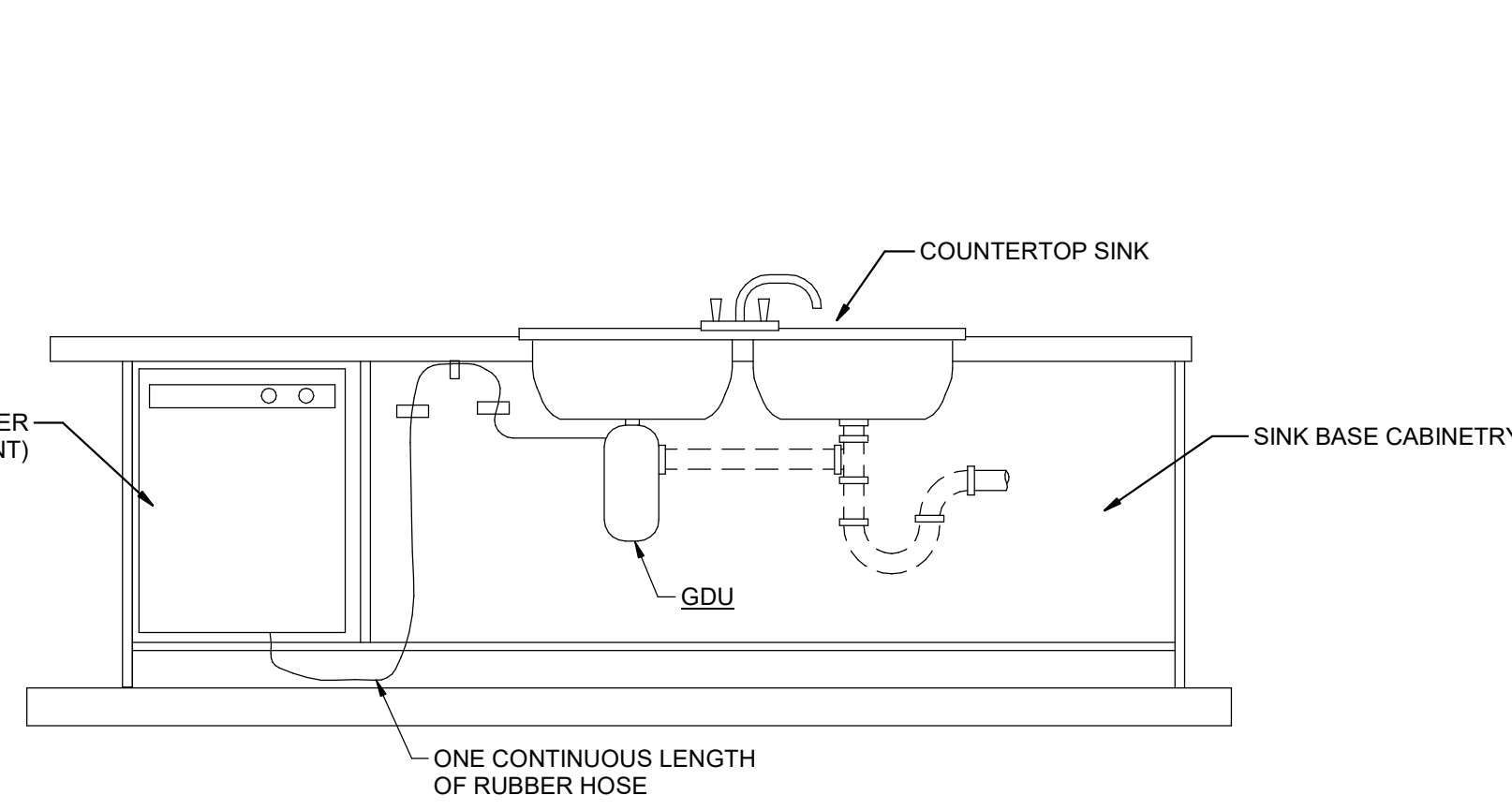
6 FLOOR DRAIN INSTALLATION
SCALE: NONE



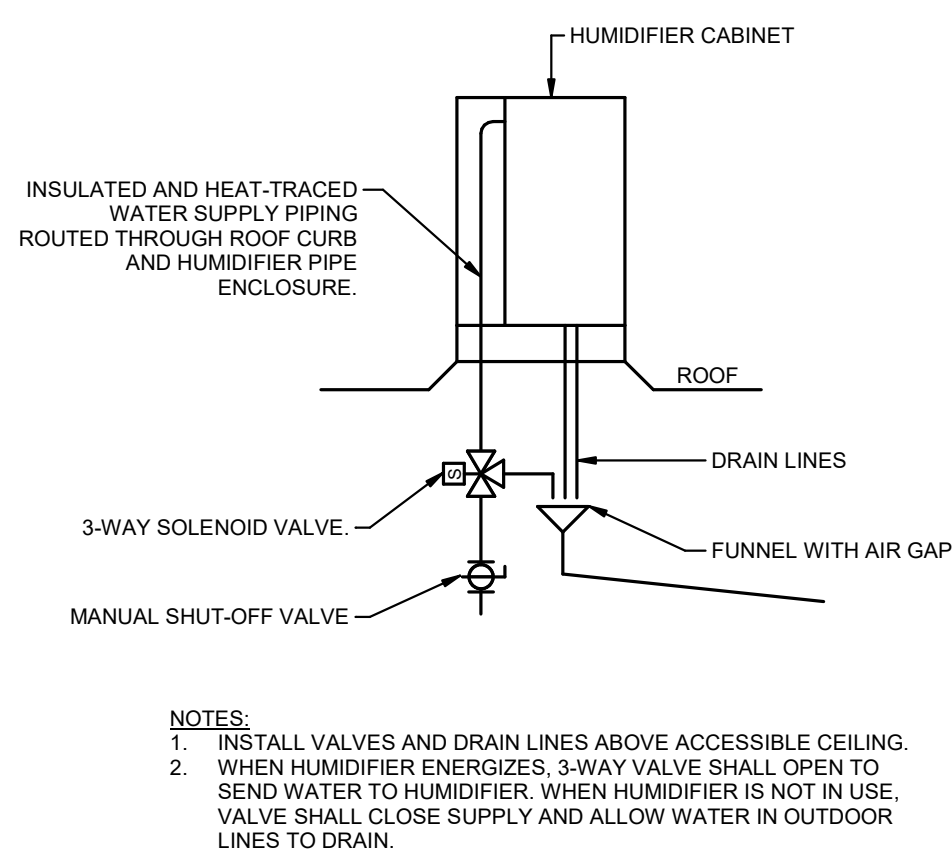
2 MEDICAL GAS MANIFOLD VENT
SCALE: NONE



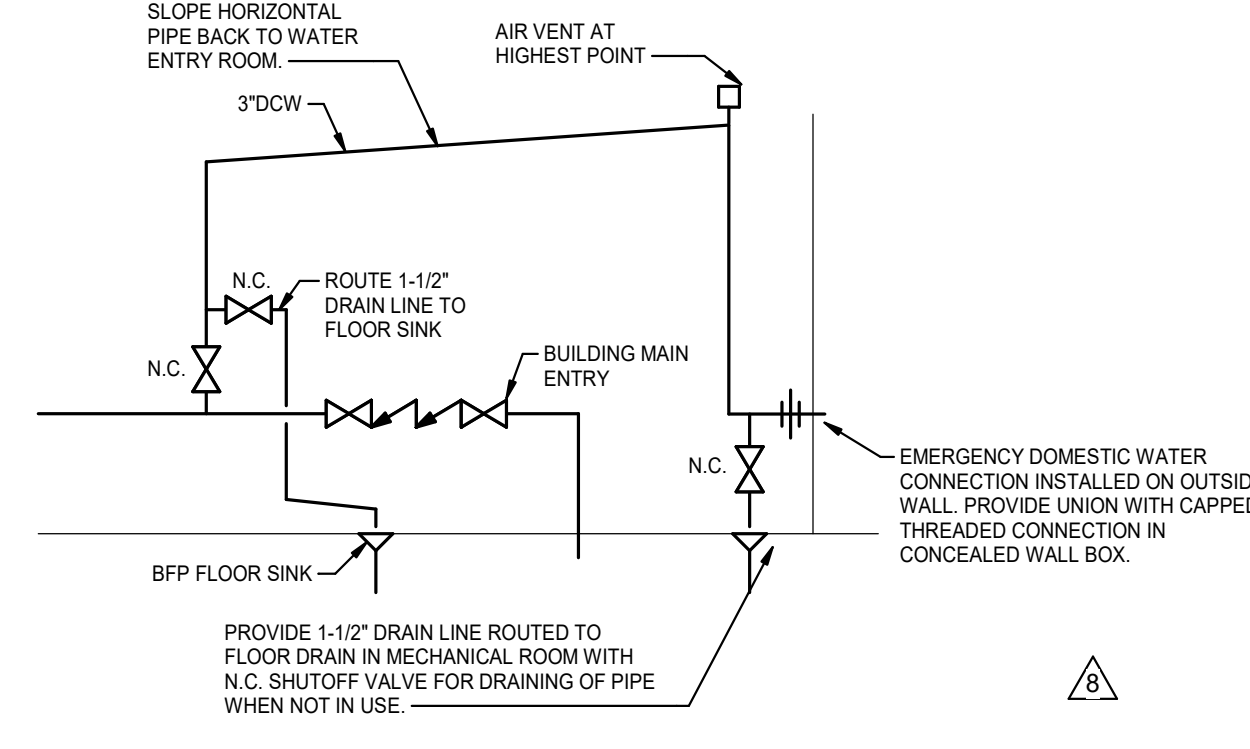
3 MEDICAL AIR COMPRESSOR DETAIL
SCALE: NONE



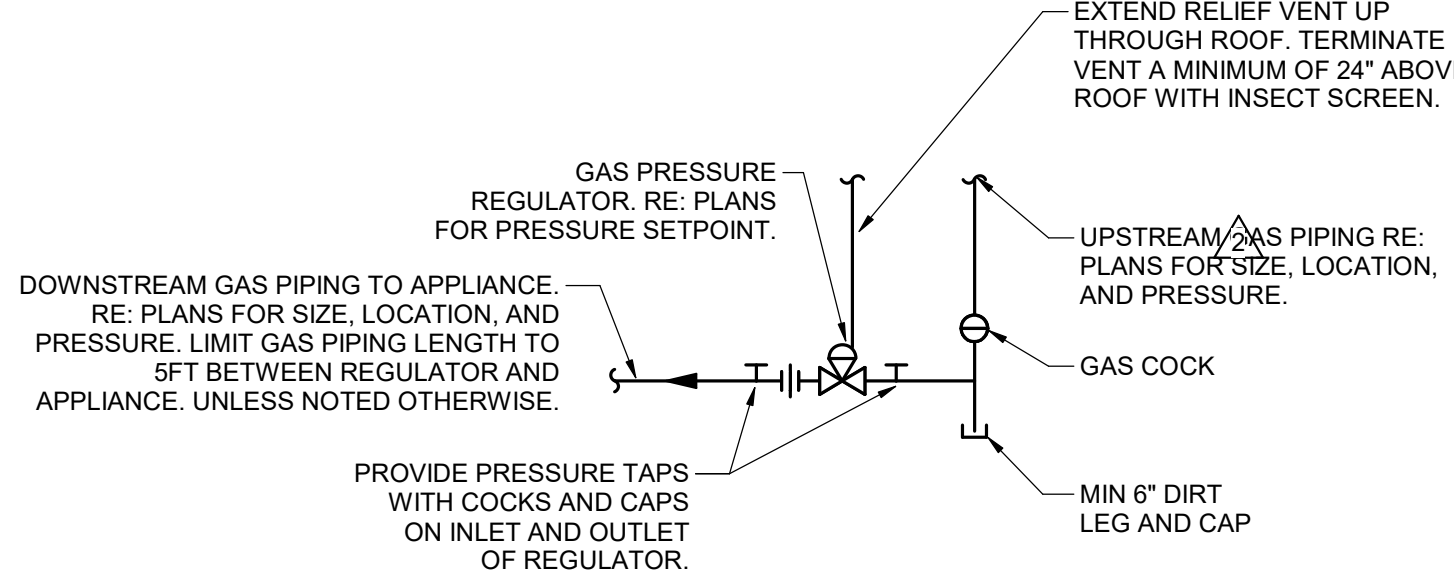
7 KITCHEN SINK & GARBAGE DISPOSAL
SCALE: NONE



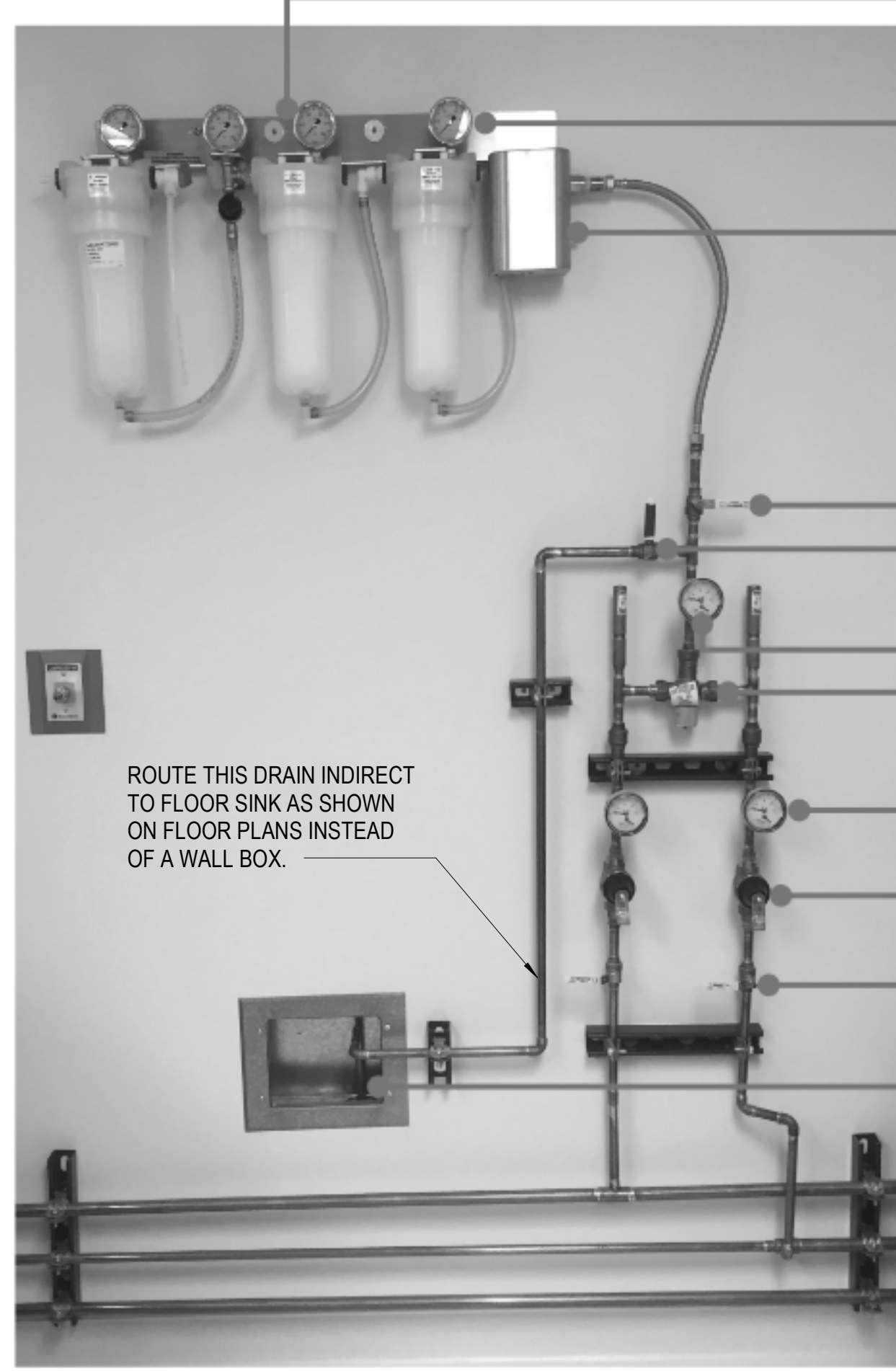
8 HUMIDIFIER PIPING DETAIL
SCALE: NONE



9 EMERGENCY DOMESTIC WATER CONNECTION SCHEMATIC
SCALE: NONE



10 INTERIOR GAS PRESSURE REGULATOR
SCALE: NONE



Water filtration unit supplied by Cantel Medical.
NOTE: Facility is responsible for mounting and plumbing unit. Locate within 10 feet and in same room as reprocessor. Locate in accessible spot to allow for easy filter changes. A minimum of 40 PSI dynamic pressure must be maintained at the first gauge of the filtration unit

All connections from water filtration unit to the ADVANTAGE PLUS™ Reprocessor will be performed by Cantel Medical.

Tempered water shut off valve within reach of the operator.
Bypass valve for testing and warming supply water
Temp/pressure gauge for tempered water
Mixing valve MV-5/S within 4 feet of the reprocessor and be easily accessible to operators for adjustments.
Temp/pressure gauges for hot and cold supply
Pressure regulators for hot and cold supply
Shut off valves for supply lines

Drain must be lower than 18 inches from the floor. ADVANTAGE PLUS™ Reprocessor is gravity drained and will not drain if it is higher than 18 inches.



Example of combined temp/pressure gauges and mixing valve

11 MEDIVATOR PLUMBING INSTALLATION DIAGRAM
SCALE: 1/8" = 1'-0"

APPENDIX C SITE REQUIREMENTS CHECKLIST

This checklist should be utilized to ensure the installation site meets the required specifications. If all specifications are met, the site is suitable for the installation and use of the ADVANTAGE PLUS™ Reprocessor.

Water Supply	Potable water is the minimum standard.	
	Minimum flow rate of 1.32 GPM (5000 mL per minute) with a DYNAMIC pressure of 40 to 87 PSI	
	Water Temperature 35°C ± 2°C (95°F ± 4°F), on-demand supplied by a thermostatic mixing valve. <u>One mixing valve per reprocessor.</u>	
	The mixing valve must be accessible and within 4 feet of reprocessor.	
Drain	Hardness, less than 12 gpg (200 ppm)	
	Pre-filter wall space 26" H x 38" W x 6" D, customer mounted and plumbed.	
	Installation of Bypass Valve for Draining, Testing, and Warming Supply Water	
Air Supply	Installation of Pressure regulators, Pressure Gauges, and Temp Gauges on both the incoming hot and cold supply lines	
	3.17 GPM, with the opening no higher than 18" from the floor, vented	
	Optional air compressor dedicated, 120 VAC, dedicated 15 Amp circuit	
	House compressed air requirements: (dry/oil free) 58 to 125 PSI, minimum flow volume of 1.5 CFM, maximum particle size of 5 microns, maximum dew point of 7°C (45°F), maximum oil concentration of 5 mg/m³	
	1/4" ID Flexible Air Hose to connect Reprocessor CUSTOMER SUPPLIED	

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
Drawn By JS
Checked By AB, RC, MG

Number	Date	Description
2	2/20/23	ADDENDUM #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

MEDICAL VACUUM PUMP SYSTEM SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES/FUNCTION	TYPE	MOTOR/PUMP		QTY	NOISE LEVEL (DBA)	CAPACITY		ELECTRICAL DATA				NOTES
				HP				SCFM	RECEIVER SIZE (GAL.)	VOLTS	PH	FLA		
MVP-1	PATTONS 70BI-25-073C	MEDICAL VACUUM PUMP	ROTARY VANE	7.5		2	79	32	120	480	3	25	1-6	
NOTES:														
1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS.														
2. PROVIDE A PRE-PIPED SYSTEM WITH A CONTROL PANEL AND VARIABLE FREQUENCY DRIVE MOUNTED ON A COMMON BASE/FRAME.														
3. PROVIDE A SINGLE POINT ELECTRICAL CONNECTION.														
4. PROVIDE A DUPLEX SYSTEM: ONE COMPRESSOR FOR NORMAL OPERATION AND THE OTHER IN RESERVE.														
5. PROVIDE AN EXHAUST PIPE FOR EACH VACUUM PUMP. THE EXHAUST PIPE WILL BE ROUTED TO THE ROOF WITH A GOOSENECK.														
6. REFER TO MECHELEX COORDINATION SCHEDULE FOR SCGR.														

MEDICAL GAS AREA ALARM PANEL SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	PANEL LOCATION	ZONE VALVE BOXES SERVED	SOURCES MONITORED							ELECTRICAL				NOTES
				MA	O	MV	WAGD	N20	N	CO2	VOLTS	AMPS	PH		
AAP-1/2	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-1 & ZVB-2	X	X	X					X	120	2	1	-
AAP-3/4	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-3 & ZVB-4	X	X	X						120	2	1	-
AAP-5	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-5	X	X	X	X	X	X	X	X	120	2	1	-
NOTES:															
1. NONE															

DEIONIZED WATER GENERATOR SCHEDULE

					PERFORMANCE	CAPACITY (GPD)	ELECTRICAL	NOTES
MARK	MANUFACTURER	MODEL	SERVICES	LOCATION				
DI-1	AMERIWATER	OHCS-2050	STERILE/DECONO EQUIPMENT	MECH ROOM		800	SEE NOTE	1-4
NOTES - EACH UNIT SHALL BE PROVIDED WITH LOCAL GRAPHICAL USER INTERFACE MONITORED BY BMS SYSTEM WITH MANUFACTURER COMMUNICATION CARD. - PROVIDE ALL ACCESSORIES AND CONTROLS FOR A TIR 34 COMPLIANT SYSTEM, INCLUDING BUT NOT LIMITED TO CARBON PREFILTERS, ANTISCALANT INJECTOR, RO GENERATOR, DI POLISHER, 55GAL STORAGE TANK, & 30 GPM DISTRIBUTION PUMP. - PROVIDE 2 - 120V/1P15A DEDICATED GFCI RECEPTACLE, AND 2 - 208V/3P/20A RECEPTACLES. - REFER TO MECH/ELEC COORDINATION SCHEDULE FOR SCRR. - UTILIZE THE RO/CI COMPLIANCE KIT BASED ON TIR/41/15A COMPLIANCE: ALARM PANEL, WITH REMOTE RESISTIVITY CELL, FIELD UPGRADE KIT: ISOLATION VALVE SUB-ASSEMBLY WITH 30 GPM UV LAMP, STAINLESS STEEL FILTER HOUSING RATED AT 30GPM, 1" FLOWMETER TANK ASSEMBLY RATED AT 30 GPM RETURN, TANK VENT FILTER ASSEMBLY.								

INSTRUMENT AIR COMPRESSOR SYSTEM SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES/FUNCTION	TYPE	SYSTEM CAPACITY			COMPRESSOR MOTOR			ELECTRICAL DATA			NOTES
				SCFH	PSIG	RECEIVER SIZE (GAL)	HP	QTY	NOISE LEVEL (DBa)	VOLTS	PH	FLA	
IAC-1	BEACONMEDAES LE508-115T-RD-071	STERILE/DECON	SCROLL	20.8	112.4	71	7.5	1	59	480	3	13	1-5
NOTES: 1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS. 2. PROVIDE A PRE-PIPED SYSTEM WITH A CONTROL PANEL AND VARIABLE FREQUENCY DRIVE MOUNTED ON A COMMON BASE/FRAME. 3. PROVIDE A SINGLE POINT ELECTRICAL CONNECTION. 4. PROVIDE A DUPLEX SYSTEM, ONE COMPRESSORS FOR NORMAL OPERATION, ONE IN RESERVE. 5. REFER TO MECHELEC COORDINATION SCHEDULE FOR SCCR.													

MEDICAL GAS FACILITY ALARM PANEL SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	PANEL LOCATION	SOURCES ALARMED/MONITORED								ELECTRICAL				NOTES
			MA	O	MV	WAGO	N20	IA	CO2	VOLTS	AMPS	PH			
PAP-1	POWEREX - MAP10-55	OFFICE 123	X	X	X	X	X	X	X	120	2	1	1.3		
SAP-1	POWEREX - MAP10-55	NURSE STATION 131	X	X	X	X	X	X	X	120	2	1	2.3		
NOTES: 1. PRIMARY LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALL. 2. SECONDARY LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALL. 3. SEE SPECIFICATIONS FOR REQUIRED ALARMING/MONITORING POINTS PER GAS SOURCE.															

MEDICAL GAS ZONE VALVE BOX SCHEDULE

MANUFACTURER & MODEL OR EQUAL		ZONE VALVE BOX LOCATION	ROOMS SERVED	NUMBER OF GAS VALVES								NOTES
MARK				O	MA	MV	WAGD	N2O	N	CO2	IA	
ZVB-1	POWEREX - ZVB4B8CC	HALLWAY 150	GI PROCEDURE 152	X	X	X				X		1
ZVB-2	POWEREX - ZVB4B8CC	HALLWAY 150	GI PROCEDURE 156	X	X	X				X		1
ZVB-3	POWEREX - ZVB2B8CC	HALLWAY 160	RECOVERY 115-117, 121, 124-128	X	X	X				X		1
ZVB-4	POWEREX - ZVB2B8CC	HALLWAY 160	RECOVERY 132-134, 136, 138, 142, 144, 146	X	X	X				X		1
ZVB-5	POWEREX - ZVB7ABBB8CC	HALLWAY 180	OR 181	X	X	X	X	X	X	X		1
ZVB-6	POWEREX - ZVB7ABBB8CC	HALLWAY 180	OR 182	X	X	X	X	X	X	X		1
ZVB-7	POWEREX - ZVB7ABBB8CC	HALLWAY 180	OR 185	X	X	X	X	X	X	X		1
ZVB-8	POWEREX - ZVB7ABBB8CC	HALLWAY 180	EQUIPMENT STOR 187	X	X	X	X	X	X	X		1
ZVB-9	POWEREX - ZVB1A	HALLWAY 150	SCOPE DECON 153								X	1
ZVB-10	POWEREX - ZVB1A	HALLWAY 180	DECON 182								X	1
ZVB-11	POWEREX - ZVB4A	HALLWAY 180	STERILIZERS 181								X	1
ZVB-12	POWEREX - ZVB1A	HALLWAY 170	STERILE ASSEMBLY 171								X	1
NOTES												
1. MAXIMUM VALVE SIZE IS 2". PANEL MUST BE LOCATED IN A MINIMUM 6" DEEP STUD WALL. VERIFY BOX DEPTH VS VALVE SIZE WITH MANUFACTURER.												

MEDICAL EQUIPMENT CONNECTION SCHEDULE

CAD ID	DESCRIPTION	PROJECT QUANTITY	ROUGH-IN SIZE (IN.)	CW (GPM EA.)	HW (GPM EA.)	PW (GPM EA.)	DW	IW	IA (PSI,SCFM)	CO2	N	MA	OX	NO	MV	WAGD	NOTES
100108	ICE MAKER - 50 LB	1	1/2" (<1 GPM)					3/4"									8.9
714443	FREESTANDING ICEWATER DISPENSER	1	1/2" (<1 GPM)					3/4"									2.8
714519	ICE MAKER FILTRATION SYSTEM	3	3/4" (<1 GPM)														11
717621	ICE MAKER - 425 LB	1	1/2" (<1 GPM)					3/4"									8.9
720109	STERILIZER - MED	2	1-1/4" (12 GPM)			SEE NOTE (0.6 GPM)	1-1/2"		1/2" (90 PSI, 3 SCFM)								1,3,13,14,15
725340	WASHER/DISINFECTOR	2	1-1/4" (14.1 GPM)	1-1/4" (14.1 GPM)		1-1/4" (12.6 GPM)			1/2" (90 PSI, 1.75 SCFM)								1,3,11,14,15
725408	DISHWASHER	2	1/2" (3 GPM)					X									5
726363	ULTRASONIC CLEANER	2	3/4" (3-5 GPM)	3/4" (3-8 GPM)		1" (8 GPM)		X									1.12
726767	NEPTUNE DOCKING STATION	2	3/4" (<1 GPM)					X									1.4,7
727553	COFFEE BREWER	1	1/2" (<1 GPM)														1,3,13,14,15
727801	ENDOSCOPIC REPROCESSING	1	1/2" (1.32 GPM)	1/2" (1.32 GPM)				X	1/2" (90 PSI, 1.5 SCFM)								1.16
730257	STERILIZER - SMALL	1	1-1/4" (15 GPM)	1/2" (1 GPM)				SEE NOTE	1/2" (90 PSI, 3 SCFM)								1,3,13,14,15
800563	SURGICAL ROOM	3								SEE PLANS	SEE PLANS						10

RECIRCULATION VALVE SCHEDULE

MARK	SERVES	GPM	PIPE DIAMETER	NOTES:
BV-1	TOILETS, NURSE STATION	1.0	3/4"	-
BV-2	PREP ROOMS, TOILETS, EXAM	0.9	3/4"	-
BV-3	TOILET, STAFF LOUNGE, SCOPE PROCESSING	1.6	3/4"	-
BV-4	NOURISH/ MEDS, CLEAN	0.7	3/4"	-
BV-5	SCRUB STINK	0.6	3/4"	-
BV-6	STERILE PROCESSING	0.6	3/4"	-
BV-7	LOCKER ROOMS	0.6	3/4"	-
NOTES:				
1. NOT USED				

MEDICAL GAS VOLUME TABLE

		QUANTITY	STANDARD CU. FT. OF GAS EA.	STANDARD CU. FT. OF GAS TOTAL	LIQUID VOLUME (GAL) EA.	LIQUID VOLUME (GAL) TOTAL
LIQUID	OXYGEN - O₂	"H" CYLINDER	6	N/A		
		LOX DEWAR	1	N/A	42.3	132.3
	NITROUS OXIDE - N ₂ O	"H" CYLINDER	8	558	4564	N/A
	CARBON DIOXIDE - CO ₂	"H" CYLINDER	8	568	4544	N/A
		"H" CYLINDER	16	229	N/A	
	NITROGEN - N ₂					

Per 2018 IBC Table 307.1(1), maximum allowable gaseous oxidizer quantity is 4500 Cu. Ft. using additional quantities allowed by notes D and E.

Per 2018 IBC Table 307.1(1), maximum allowable liquid oxidizer quantity is 4500 Cu. Ft. using additional quantities allowed by notes D and E.

2/7/2024 10:13:59 AM

BIN 360/J-22030 HCA LSMC ASOBP - HCA LSMC MEP_R21.rvt

WATER SOFTENER SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	GRAIN CAP. (MAX.) @ SALT DOSAGE	CONTINUOUS FLOW (GPM@15)	PEAK FLOW (GPM)	ELECTRICAL VOLTS	PH	WEIGHT LBS.	NOTES
WS-1	CULLIGAN CTM 450-PF	3545 @ 225	76	104	120	1	6,960	1-6
NOTES								
1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS.								
2. PROVIDE UNIT WITH GROUNDED PLUG-IN ELECTRICAL CONNECTION AND MOUNTED AND WIRED CONTROL TRANSFORMER IF REQUIRED.								
3. PROVIDE CONTROLS FOR AUTO REGENERATION - PROGRESSIVE FLOW SET-UP, WATER METER, CONTROLLED WITH DEMAND.								
4. PROVIDE A DUPLEX SYSTEM.								
5. SUPPLIER TO VERIFY WATER HARDNESS AND SUBMIT SYSTEM CAPACITY CALCULATION WITH SHOP DRAWINGS SUBMITTAL.								
6. PROVIDE CONTROLS FOR PROGRESSIVE FLOW.								

FUEL FIRED WATER HEATER SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	FUEL	FUEL INPUT (MBH)	EFF. RANGE (%)	EWT (DEG F)	LWT (DEG F)	RECOVERY RATE (GPH)	TANK STORAGE (GAL)	ELECTRICAL DATA MOPD	VOLTS	PH	NOTES
GWH-1	BRADFORD WHITE - EF-100T-199S-3N(A)	DOMESTIC HOT WATER	NG	199	97%	40	140	233	80	20A	120	1	1-6
GWH-2	BRADFORD WHITE - EF-100T-199S-3N(A)	DOMESTIC HOT WATER	NG	199	97%	40	140	233	80	20A	120	1	1-6
NOTES													
1. ASME RATED VESSEL. PROVIDE WITH ASME-RATED TEMPERATURE AND PRESSURE RELIEF VALVE, TEMPERATURE AND PRESSURE GAUGES.													
2. PROVIDE WITH DIRECT VENT INTAKE AND EXHAUST PIPING AS RECOMMENDED BY MANUFACTURER.													
3. PROVIDE VENT PIPING MATERIAL AND ALL NECESSARY SUPPORT ETC. AS RECOMMENDED BY MANUFACTURER.													
4. PROVIDE WITH CONDENSATE NEUTRALIZER KIT INSTALLED ON CONDENSATE DRAIN LINE.													
5. PROVIDE WITH CONCENTRIC VENT KIT AND BACNET GATEWAY KIT.													
6. PROVIDE WITH DEDICATED 15AMP CIRCUIT.													

RECIRCULATING PUMP SCHEDULE

MARK	MANUFACTURER & "MODEL" OR EQUAL	LOCATION	SERVES	TYPE	GPM	HEAD (FT.)	ELECTRICAL CONNECTION DATA V/PHZ	MOTOR HP	NOTES
CP-1	BELL & GOSSETT ECOGIRC XLN 40-200	MECH ROOM	BUILDING HWC	CARTRIDGE		6.0	480/360	1	1,2
NOTES									
1. PUMP FOR DOMESTIC HOT WATER LOOP WILL RUN CONTINUOUSLY.									
2. GPM AND HEAD FLOW RATES ARE CALCULATED DESIGN FLOW RATES.									

DUPLEX DOMESTIC BOOSTER PUMP SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	LOCATION OF UNIT	TYPE OF FLOW	PUMP							MOTOR		ELEC	NOTES
	MANUFACTURER & MODEL				TYPE	MIN FLOW gpm	MIN HEAD ft. H2O	FLUID TEMP (F)	MAX NPSH ft. H2O	MAX BHP	MIN EFF %	MAX SIZE hp	MAX SPEED rpm		
DBP-1	TIGERFLOW CD65-1/1	DOMESTIC COLD WATER		VARIABLE	VERTICAL IN-LINE	250	92.4	40	12.27	(2)12	72	(2)15	3500	480/360	1,2
NOTES															
1. IMPELLER FOR VARIABLE FLOW PUMPS SHALL BE TRIMMED FOR MAXIMUM DIAMETER THAT WILL NOT EXCEED THE CAPACITY OF THE PUMP MOTOR.															
2. PROVIDE WITH MOUNTING BASE.															

PLUMBING FIXTURE & EQUIPMENT CONNECTION SCHEDULE

FIXTURE	COMPONENT	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE (GPM/GPF)	ACCESSIBLE	ELECTRICAL	WASTE	VENT	CW	HW
WC-1	WATER CLOSET SEAT FLUSH VALVE	ZURN	Z5655-BWL1 PFTSCOF2000WH ZEMS6000AV-MOB-HET	FLOOR MOUNT, SIPHON JET, GLAZING, ELONGATED RIM, AND 15" HEIGHT. OPEN FRONT SOLID PLASTIC SEAT. HARDWIRED SENSOR FLUSH VALVE WITH TRUE MANUAL OVERRIDE AND ACCESSORIES.	1.28	NO	HARDWIRED	4"	2"	1"	-
WC-2	WATER CLOSET SEAT FLUSH VALVE	ZURN	Z5665-BWL1 PFTSCOF2000WH ZEMS6000AV-MOB-HET	FLOOR MOUNT, SIPHON JET, GLAZING, ELONGATED RIM, AND 17" HEIGHT. OPEN FRONT SOLID PLASTIC SEAT. HARDWIRED SENSOR FLUSH VALVE WITH TRUE MANUAL OVERRIDE AND ACCESSORIES.	1.28	YES	HARDWIRED	4"	2"	1"	-
U-1	URINAL FLUSH VALVE WALL CARRIER	ZURN	Z5755U1 ZEMS6003AV-JLF Z1222	TOP SPUD, RE. ARCH FOR MOUNTING HEIGHT. AUTOMATIC SENSOR TYPE FLUSH VALVE WITH TRUE MANUAL OVERRIDE AND ACCESSORIES. PROVIDE WITH WALL CARRIER.	0.125	YES	HARDWIRED	2"	1-1/2"	3/4"	-
L-1	LAVATORY FAUCET INSULATION KIT	ZURN	Z5344 Z8920-XL-CWB-N-0.5 2018SLSS3003	WALL HUNG, 4" CENTERS, PROVIDE WITH CARRIER, COORDINATE WITH WALL THICKNESS. AUTOMATIC SENSOR-OPERATED FAUCET WITH ACCESSORIES, WITH MV-3.	0.5	YES	HARDWIRED	2"	1-1/2"	1/2"	1/2"
L-2	LAVATORY FAUCET INSULATION KIT	ZURN	Z5110 Z6915-XL-N 2018SLSS3003	COUNTERTOP, SELF-RIMMING VITREOUS CHINA, 4" CENTERS, MANUALLY OPERATED FAUCET, WITH MV-3.	0.5	YES	-	2"	1-1/2"	1/2"	1/2"
L-3	LAVATORY FAUCET INSULATION KIT	ZURN	Z5344 Z8920-XL-CWB-J-1.5 2018SLSS3003	WALL HUNG, 4" CENTERS, PROVIDE WITH CARRIER, COORDINATE WITH WALL THICKNESS. AUTOMATIC SENSOR-OPERATED FAUCET WITH ACCESSORIES, WITH MV-3.	1.5	YES	HARDWIRED	2"	1-1/2"	1/2"	1/2"
S-1	SINK FAUCET INSULATION KIT	BY ARCHITECT ZURN	Z8920-XL-CWB-K-1.0 2018SLSS3003	SOLID SURFACE SINGLE BOWL, PER ARCHITECTURAL SPECIFICATIONS. AUTOMATIC SENSOR-OPERATED FAUCET WITH ACCESSORIES. PROVIDE WITH MV-3	1.0	-	HARDWIRED	2"	1-1/2"	1/2"	1/2"
S-2	SINK FAUCET INSULATION KIT	BY ARCHITECT ZURN	Z7870CXL 2018SLSS3003	SOLID SURFACE SINGLE BOWL, PER ARCHITECTURAL SPECIFICATIONS. CHROME PLATED BRASS WITH CERAMIC DISC CARTRIDGES, LIMIT STOP AND LEVER HANDLE. PROVIDE WITH GDU.	2.0	-	-	2"	1-1/2"	1/2"	1/2"
S-3	SURGICAL SCRUB SINK & FAUCET INSULATION KIT	JUST MFG	JKS-770-2-S-P 2018SLSS3003	WALL MOUNTED 2 STATION SURGICAL SCRUB SINK WITH SENSOR FAUCET AND KNEE ACTIVATED SOAP.	1.5	-	HARDWIRED	2"	1-1/2"	1/2"	1/2"
S-4	SURGICAL SCRUB SINK & FAUCET INSULATION KIT	JUST MFG	JKS-770-S-P 2018SLSS3003	WALL MOUNTED 1 STATION SURGICAL SCRUB SINK WITH SENSOR FAUCET AND KNEE ACTIVATED SOAP.	1.5	-	HARDWIRED	2"	1-1/2"	1/2"	1/2"
S-5	SINK FAUCET INSULATION KIT	ELKAY ZURN	DLR1919-10-3 Z8920-XL-CWB-J-1.5 2018SLSS3003	SINGLE BOWL, DROP IN, TYPE 304 STAINLESS STEEL SINK BOWL. AUTOMATIC SENSOR-OPERATED FAUCET WITH ACCESSORIES. PROVIDE WITH MV-3	1.5	-	HARDWIRED	2"	1-1/2"	1/2"	1/2"
S-6	SINK FAUCET	BY ARCHITECT T&S BRASS	B0322	8" DECK MOUNT MIXING FAUCET W/ QUARTER-TURN CARTRIDGES W/ SPRING CHECKS, 6" WRISTBLADE HANDLES, 6" SWIVEL GOOSENECK W/ 2.2GPM OUTLET & 1/2" NPT FEMALE INLETS	2.2	-	-	2"	1-1/2"	1/2"	1/2"
S-7	SINK FAUCET	BY ARCHITECT T&S BRASS	B2430	DECK MOUNTED MIXING FAUCET WITH SWING NOZZLE AND SPRAY UNIT, 06X SWING NOZZLE, 54" FLEXIBLE STAINLESS STEEL HOSE, B0107 SPRAY HEAD, VACUUM BREAKER, MANUAL ON-OFF CONTROL TO SPRAY HEAD AND FINGER HOOK 1/2" IPS FEMALE INLETS ADJUSTABLE FROM 7-3/4" TO 8-1/4" CENTERS AND BUILT IN SPRING CHECKS TO PREVENT CROSS FLOW OF WATER.	9.7/1.2	-	MANUAL				
S-8	SINK FAUCET	BY ARCHITECT ORION	GNF10VB	DECK MOUNTED MIXING FAUCET WITH ONE (1) CROSS HANDLE GOOSENECK SPOUT WITH INTEGRAL VACUUM BREAKER AND SERRATED OUTLET. CONNECT TO 1/2" DI.	0.5	-	MANUAL				
CS-1	CLINICAL SERVICE SINK FLUSH VALVE	ZURN	Z5410 Z6017	VITREOUS CHINA WALL HUNG HEALTHCARE SERVICE SINK WITH RIM GUARDS CHROME PLATED, CHLORAMINE RESISTANT, DUAL SEAL, DIPHRAGM FLUSH VALVE.	-	-	-	3"	1-1/2"	(2) 1/2"	(2) 1/2"
	FAUCET	ZURN	Z843D4-LVB-PE-EXT-FT-YT	CHROME PLATED WALL FAUCET WITH 8" CENTERS, 3/4" THREADED HOSE OUTLET, VACUUM BREAKER, WALL BRACE, PAIL HOOK.	-	-	-	-	-	1/2"	1/2"
	BEDPAN WASHER	ZURN	Z85500-WM-EVB-HK-SE-SH-VC	CHROME PLATED BEDPAN WASHER WITH FOOT PEDAL ACTIVATION.	-	-	-	-	-	1/2"	1/2"
EW-1	ELECT. WATER COOLER	ELKAY	LZSLBWSSK	WALL MOUNTED, HI/LO, FRONT & SIDE CONTROLS, INTEGRAL CHILLER, W/ BOTTLE FILLER. PROVIDE WITH MOUNTING PLATE, CARRIER.	-	YES	6 FLA	2"	1-1/2"	1/2"	-
SH-1	SHOWER VALVE HEAD	SYMMONS	SYM9605-X-PLR-231	CHROME PLATED BRASS SHOWER VALVE, PRESSURE COMPENSATING ASSE 1016 TYPE P, INTEGRAL CHECKSTOPS, 4.0GPM MAXIMUM FLOW, PROVIDE WITH 1.5GPM HAND SHOWER, 24" SLIDE BAR, SS BRAIDED HOSE AND VACUUM BREAKER.	1.5	YES	-	2"	1-1/2"	1/2"	1/2"
SDB	DRAIN BOX	SILOUX CHIEF	696-Q2313	RECESSED ABS WALL DRAIN BOX WITH INTEGRAL PRESSURE TEST NIPPLE, PROVIDE WITH FRAME, BRACKET, WHA AND DEBRIS COVER.	-	-	-	1-1/2"	-	-	-
WHA	WATER HAMMER ARRESTOR	SILOUX CHIEF	652	SIZE PER PLAN, PISTON-TYPE WATER HAMMER ARRESTOR, PROVIDE WITH LINE SIZE BALL VALVE FOR ISOLATION AND PROVIDE WITH ACCESS.	-	-	-	-	-	PER DETAIL	-
TP-1	TRAP PRIMER	PPP INC	PRO1-JULP500	UNDER LAVATORY CHROME PLATED FLOW ACTIVATED TRAP PRIMER VALVE.	-	-	-	-	-	1/2"	-
TP-2	TRAP PRIMER	PPP INC	MP-500-115V	SURFACE MOUNTED ELECTRONIC TRAP PRIMING ASSEMBLY WITH DISTRIBUTION UNIT. PROVIDE WITH DISTRIBUTION UNIT GREATER THAN OR EQUAL TO THE NUMBER OF FLOOR DRAINS/SINKS SERVED.	-	-	120V/1P 2A	-	-	1/2"	-
NFWH	WALL HYDRANT	ZURN	Z1310	RECESSED HOSE BOX WITH WALL FLANGE, LOCKABLE DOOR WITH KEY, REMOVABLE LOOSE KEY HANDLE, VACUUM BREAKER, COORDINATE ROD DEPTH WITH WALL THICKNESS.	-	-	-	-	-	3/4"	-
RHB	ROOF HOSE BIBB	ZURN	Z1388XL134VBAC	ROOF HOSE BIBB, CAST IRON HYDRANT SUPPORT COMPONENTS, WELL SEAL TIGHTENS BETWEEN HYDRANT SUPPORT AND HYDRANT PIPE, EPDM BOOT TO COVER WELL SEAL AND TOP OF HYDRANT SUPPORT, 2 DEGREE SHIM SUPPLIED FOR INSTALLATION ON PITCHED ROOFS, PROVIDED WITH NIDEL 37HF. PROVIDE WITH VACUUM BREAKER AND CASING GUARD.	-	-	-	-	-	3/4"	-
SG-1	SPRAY GUN	HEALTHMARK	6000-6025	STAINLESS STEEL WATER SPRAY GUN, PROVIDE WITH 3/4" CONNECTOR, 1.5 METER HOSE, TABLE TOP ROSETTE, UNIVERSAL TIP. COORDINATE FINAL LOCATION WITH OWNER.	-	-	-	-	-	1/2"	-
SG-2	SPRAY GUN	HEALTHMARK	6000-6025	STAINLESS STEEL COMPRESSED AIR SPRAY GUN, PROVIDE WITH 3/4" CONNECTOR, 1.5 METER HOSE, TABLE TOP, ROSETTE. CONNECT TO 1/2" IA. COORDINATE FINAL LOCATION WITH OWNER.	-	-	-	-	-	-	-
GDU	GARBAGE DISPOSAL UNIT	IN-SINK-ERATOR	EVOLUTION EXCEL	AUTO-REVERSE GRIND SYSTEM, PERMANENTLY LUBRICATED UP AND LOWER BEARINGS. 25.5 LBS	-	-	120V/60 1HP 10.2A	2"	-	-	-
MS-1	MOP SERVICE BASIN	FIAT ZURN	MSB2424 Z843MR-CS-RC	MOLDED STONE, 24"x24"x10" WITH STAINLESS STEEL DRAIN. WITH INTERNAL STOPS AND CHECK STOPS, VACUUM BREAKER, PAIL HOOK, WALL BRACKET.	-	NO	-	3"	2"	1/2"	1/2"
EW-1	EMERGENCY EYE WASH	GUARDIAN	G6022	DECK MOUNTED EYE/FACE WASH. PROVIDE FIXTURE HEAD ARRANGEMENT COORDINATE WITH EACH SINK FAUCET ASSEMBLY. PROVIDE WITH MV-2 MIXING VALVE.	-	YES	-	-	-	3/4"	3/4"
EW-2	EMERGENCY EYE WASH	GUARDIAN	G1750	WALL MOUNTED EYE/FACE WASH. PROVIDE WITH MV-2 MIXING VALVE.	-	YES	-	1-1/2"	-	3/4"	3/4"
GV	GAS SHUT-OFF VALVE	AGS	MERLIN 1049	2" NATURAL GAS 120 VOLT SOLENOID VALVE. NORMALLY CLOSED. PROVIDE WITH AGS EGOTW EMERGENCY SHUT-OFF BUTTON WITH CLEAR COVER. PROVIDE AT EACH EXTERIOR DOOR.	-	-	120V/1P 0.5A	-	-	-	-
FD-1	FLOOR DRAIN	ZURN	ZN415SZ	CAST IRON FLOOR DRAIN, 8"x6" SQUARE STRAINER, 8" DIA. BODY, SEEPAGE SLOTS, COMBO MEMBRANE CLAMP AND ADJUSTABLE COLLAR, LIGHT DUTY NICKEL BRONZE STRAINER.	-	-	-	PER PLAN	-	-	-
FS-1	FLOOR SINK	ZURN	Z1902	CAST IRON 12" SQUARE FLOOR SINK, 10" DEEP SUMP, WHITE A.R.E. COATED INTERIOR, (1/2,3/4,FULL) NICKEL BRONZE GRATE FOR LIGHT DUTY (UNDER 2,000 LBS.), ALUMINUM SEDIMENT BUCKET, TRAP PRIMER CONNECTION.	-	-	-	PER PLAN	-	-	-
FS-2	FLOOR SINK	ZURN	ZN1926	CAST IRON 16" SQUARE FLOOR SINK, 12" DEEP SUMP, WHITE A.R.E. COATED INTERIOR, (1/2,3/4,FULL) NICKEL BRONZE GRATE FOR LIGHT DUTY (UNDER 2,000 LBS.), ALUMINUM SEDIMENT BUCKET, TRAP PRIMER CONNECTION.	-	-	-	PER PLAN	-	-	-
RD	ROOF DRAIN	ZURN	ZA-125-100-DR	CAST IRON ROOF DRAIN WITH FLANGE, FLASHING RING WITH GRAVEL STOP, ADJUSTABLE EXTENSION, CAST IRON MUSHROOM LOCKING DOME, AND UNDERDECK CLAMP.	-	-	-	PER PLAN (STORM)	-	-	-
OD	OVERFLOW DRAIN	ZURN	ZA-100-W2-DR	CAST IRON ROOF DRAIN WITH FLANGE, FLASHING RING WITH GRAVEL STOP, ADJUSTABLE EXTENSION, CAST IRON MUSHROOM LOCKING DOME, 2" INTERNAL DAM, AND UNDERDECK CLAMP.	-	-	-	PER PLAN (STORM)	-	-	-
DS	DOWNSPOUT NOZZLE	ZURN	Z199-SS	NICKEL BRONZE BODY DOWNSPOUT NOZZLE WITH WALL FLANGE, AND REMOVABLE STAINLESS STEEL SCREEN.	-	-	-	PER PLAN (STORM)	-	-	-
FCO	FLOOR CLEANOUT	ZURN	ZN1400-BZ1-BP-VP	ADJUSTABLE, COATED CAST IRON BODY, BRONZE THREADED PLUG, ROUND SCORIATED NICKEL BRONZE LIGHT-DUTY TOP.	-	-	-	PER PLAN	-	-	-
GCO	GRADE CLEANOUT	ZURN	Z1400-BP	EPOXY COATED CAST IRON BODY WITH EXTRA HEAVY DUTY SCORIATED CAST IRON SECURED TOP. PROVIDE PROVIDE WITH BRONZE PLUG. WITH BRONZE PLUG.	-	-	-	PER PLAN	-	-	-
WCO	WALL CLEANOUT	ZURN	Z1446-BP	EPOXY COATED CAST IRON BODY WITH BRONZE PLUG, ROUND STAINLESS STEEL WALL ACCESS COVER, AND SECURING SCREW.	-	-	-	PER PLAN	-	-	-
RPZ-1	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	375 - 4"	170 GPM @ 10 PSI LOSS MAX. STAINLESS STEEL BODIED VALVE WITH STAINLESS STEEL CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES, PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	4"	-
RPZ-2	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	975XL2 - 1-1/4"	35 GPM @ 14 PSI LOSS MAX FOR IRRIGATION SYSTEM. BRONZE BODIED VALVE WITH BRONZE CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES, PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	1-1/4"	-
RPZ-3	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	375XLB	3 GPM @ 14 PSI LOSS MAX FOR ENDOSCOPIC REPROCESSING UNITS COLD SUPPLY. BRONZE BODIED VALVE WITH BRONZE CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	1/2"	-
RPZ-4	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	375XLB	3 GPM @ 14 PSI LOSS MAX FOR ENDOSCOPIC REPROCESSING UNITS HOT SUPPLY. BRONZE BODIED VALVE WITH BRONZE CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	1/2"	-
RPZ-5	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	375XLB	15 GPM @ 14 PSI LOSS MAX FOR HUMIDIFIERS. BRONZE BODIED VALVE WITH BRONZE CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES, PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	1"	-
RPZ-ECWC	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN	375 - 3"	170 GPM @ 13 PSI LOSS MAX FOR EMERGENCY COLD WATER CONNECTION STAINLESS STEEL BODIED VALVE WITH STAINLESS STEEL CHECK ASSEMBLIES, WITH 1/4 TURN BALL VALVES, PROVIDE WITH STRAINER AND FUNNEL DRAIN.	-	-	-	-	-	3"	-
GENERAL NOTE:					1. NO AERATORS ON ALL LAVATORIES AND SINKS. 2. ALL HARDWIRED FIXTURE TRANSFORMERS SHALL BE LOCATED ABOVE AN ACCESSIBLE CEILING NEARBY. FOR LAVS, TRANSFORMER SHALL BE LOCATED ABOVE AN ACCESSIBLE CEILING NEARBY OR LOCATED WITHIN LAVATORY SHIELD COVERS.						

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PROJECT NUMBER: 120102
BETTER BUILT PROGRAM



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Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
Drawn By JS
Checked By AB, RC, MG

Revision		
Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
8	2/7/24	ASI #4

P6.2

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PLUMBING SCHEDULES

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BETTER BUILT ENVIRONMENTS

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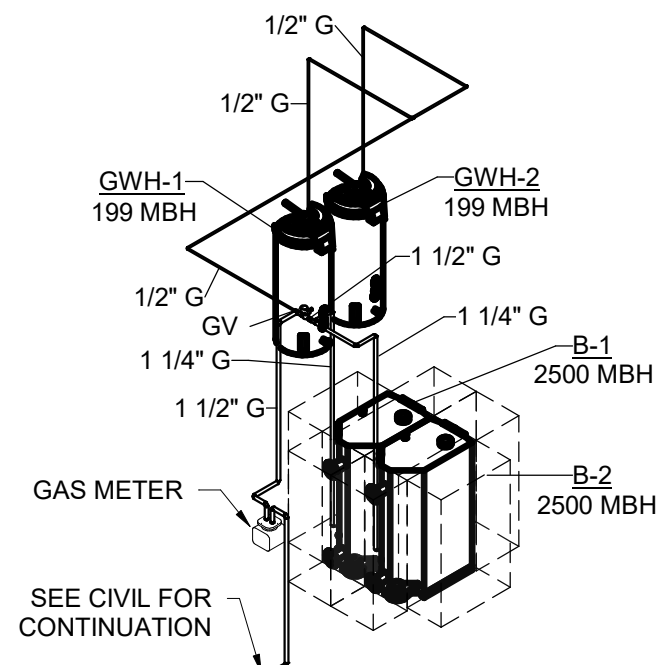
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P7.1

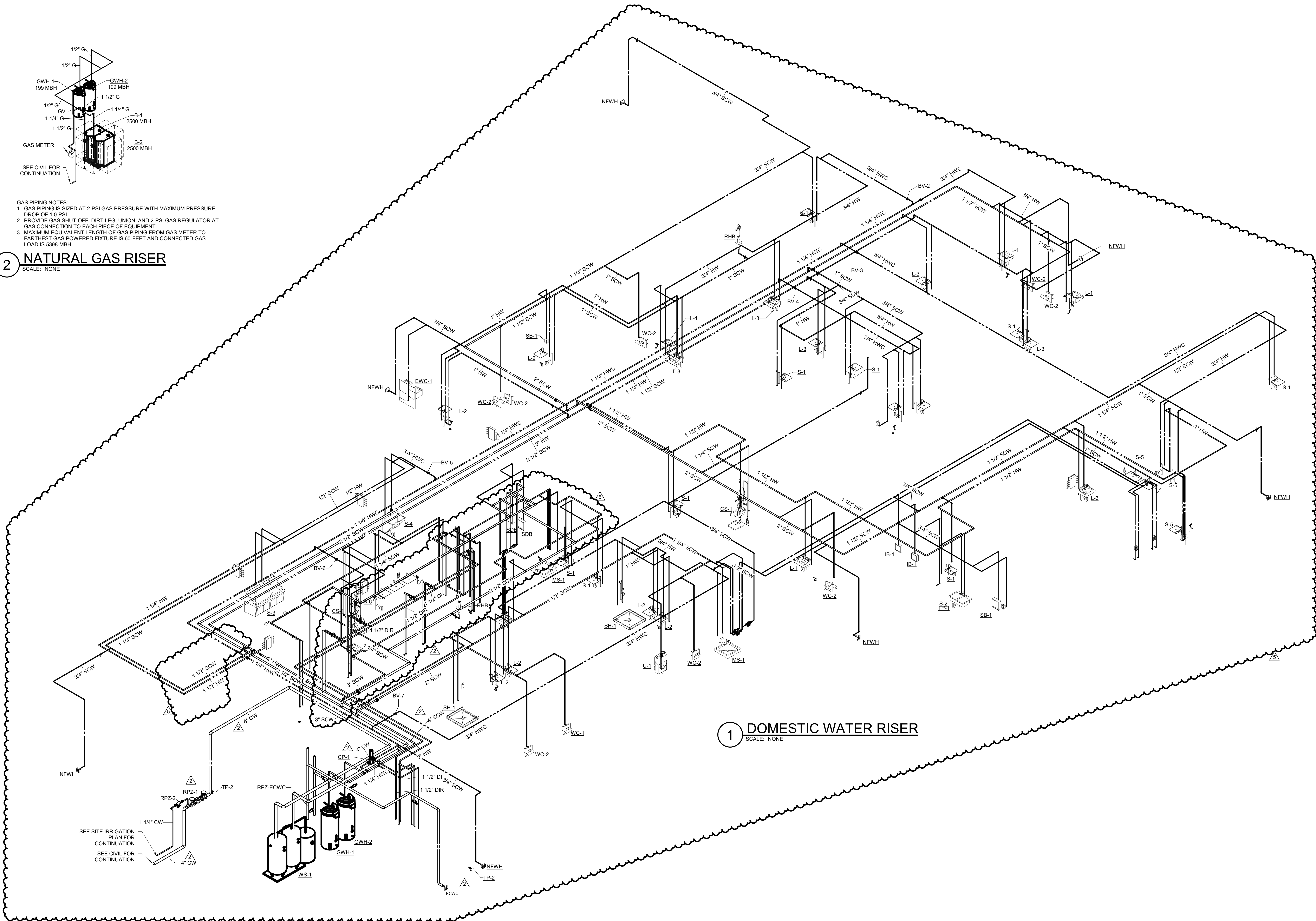
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PLUMBING WATER AND
NATURAL GAS RISER



- GAS PIPING NOTES:
1. GAS PIPING IS SIZED AT 2-PSI GAS PRESSURE WITH MAXIMUM PRESSURE DROP OF 1.0 PSI.
 2. PROVIDE GAS SHUT-OFF, DIRT LEG, UNION, AND 2-PSI GAS REGULATOR AT GAS CONNECTION TO EACH PIECE OF EQUIPMENT.
 3. MAXIMUM EQUIVALENT LENGTH OF GAS PIPING FROM GAS METER TO FARTHEST GAS POWERED FIXTURE IS 60-FEET AND CONNECTED GAS LOAD IS 5398-MBH.

2 NATURAL GAS RISER

SCALE: NONE

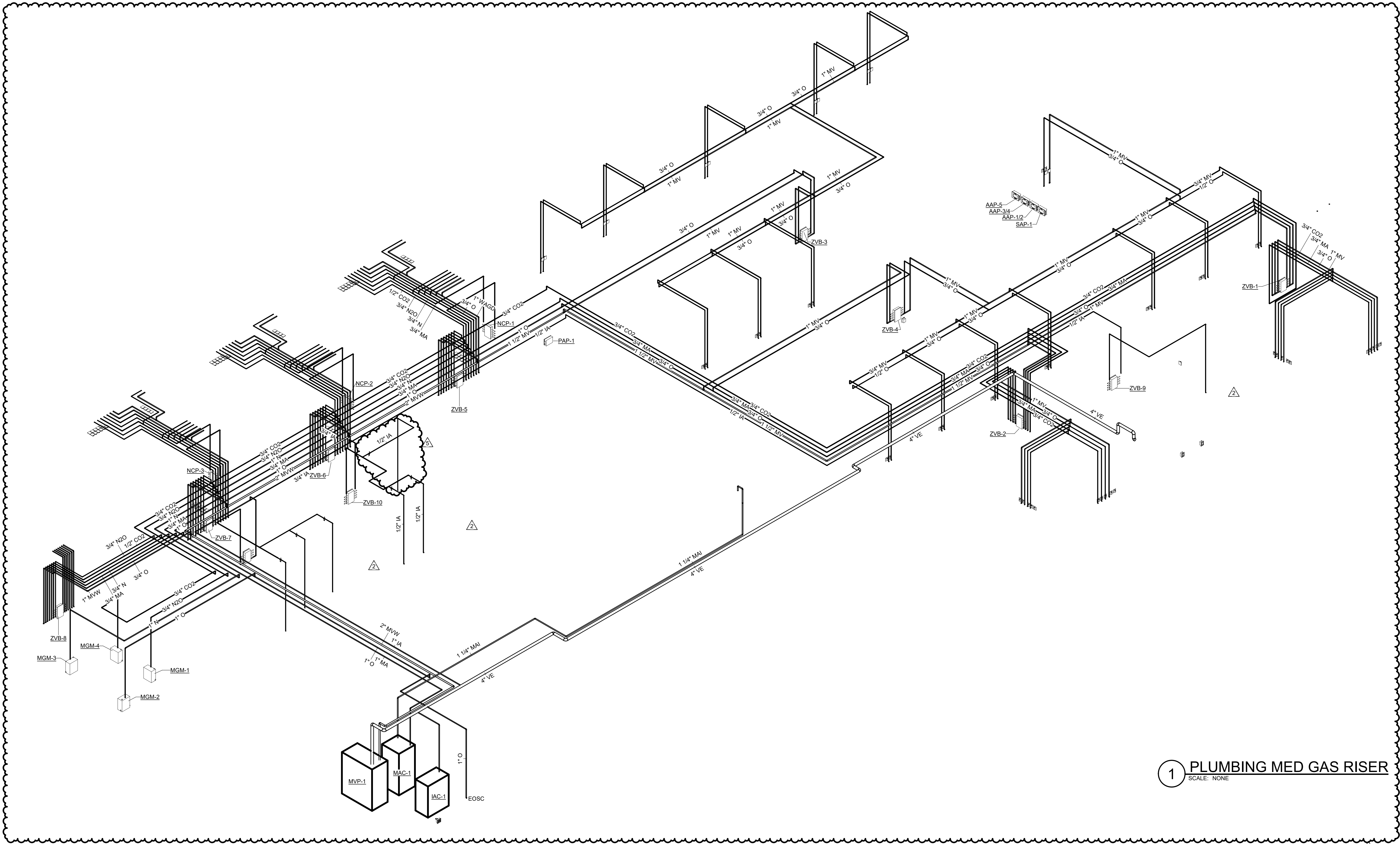


1 DOMESTIC WATER RISER

SCALE: NONE

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1 PLUMBING MED GAS RISER
SCALE: NONE

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

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PLUMBING MED GAS RISER

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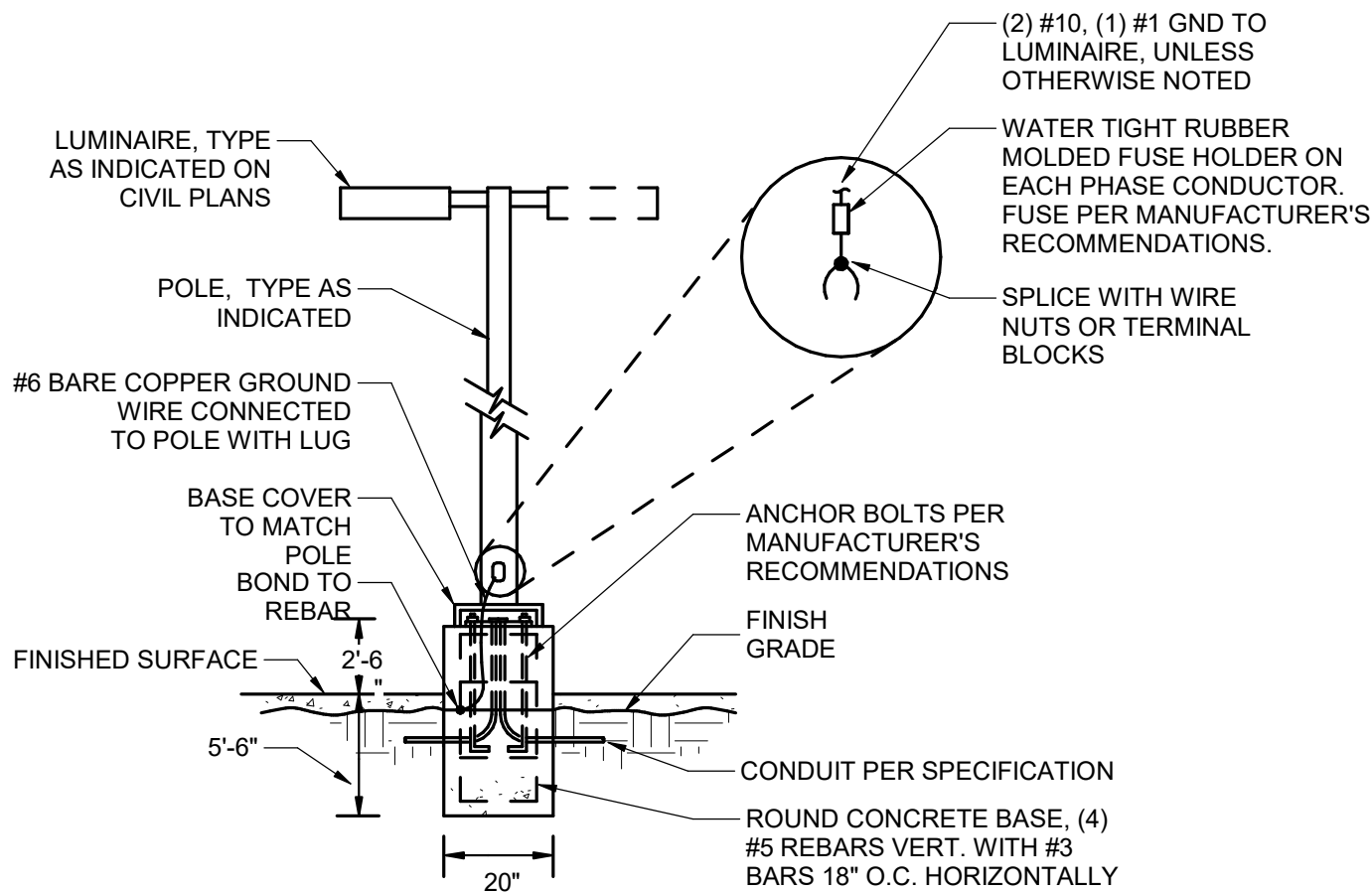
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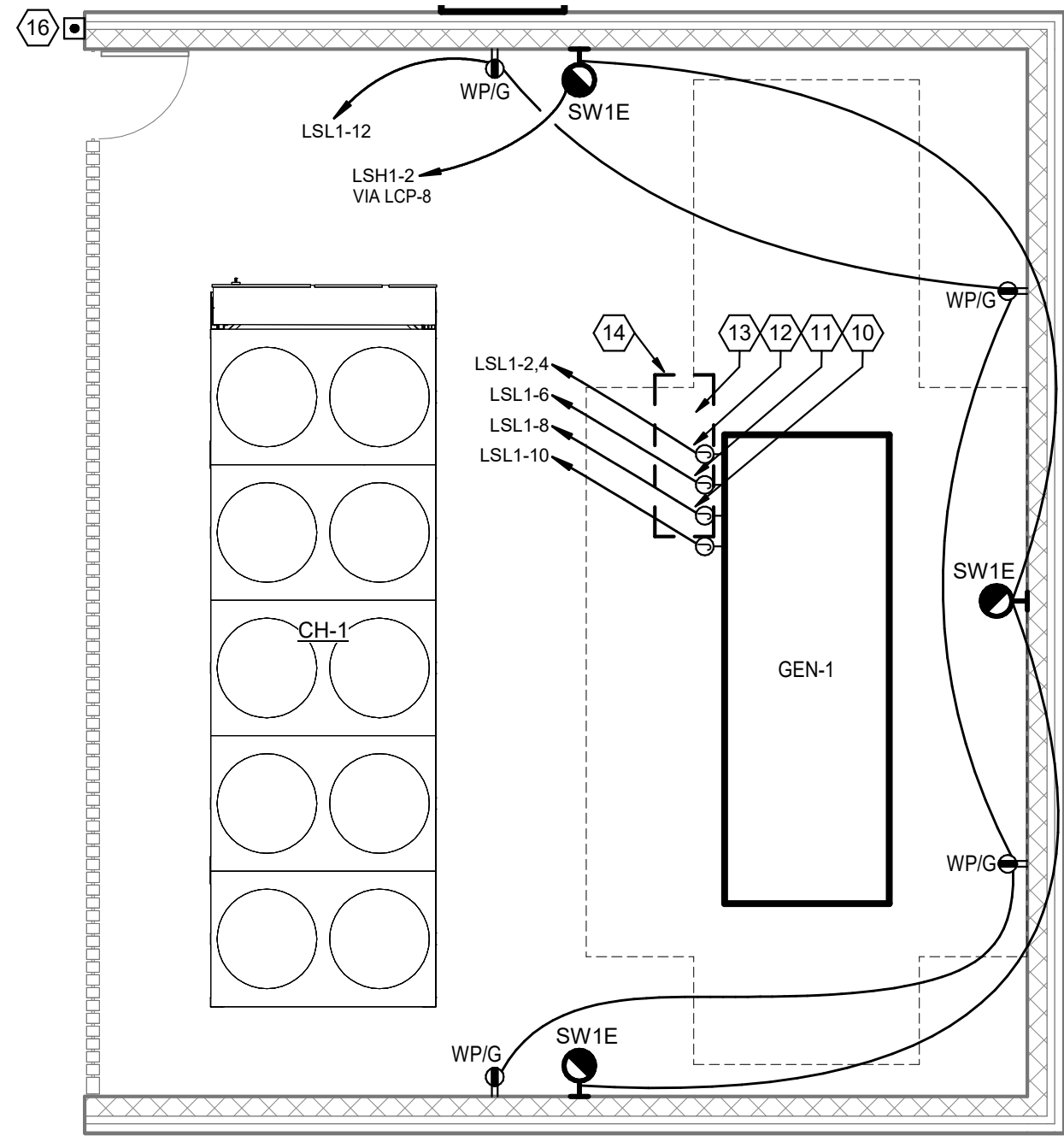
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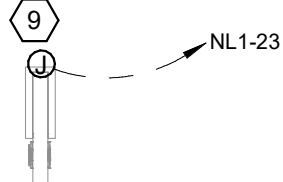
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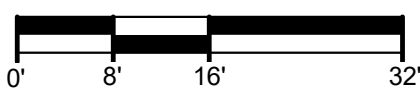
E3 PARKING LOT LIGHTING FIXTURE
SCALE: NONE



E2 ENLARGED MECH YARD
SCALE: 3/16" = 1'-0"



E1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"



- GENERAL NOTES** (THIS SHEET)
- REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
 - COORDINATE INSTALLATION OF RACEWAYS, DEVICES, AND EQUIPMENT WITH OTHER TRADES.
 - REFER TO CIVIL DRAWINGS FOR UTILITIES.
 - SITE WIRING AND CABLING SHALL BE UNDERGROUND.
 - PROVIDE TRACER WIRE 12" ABOVE UNDERGROUND CONDUIT AND DUCT BANKS.
 - REFER TO LIGHTING PLAN FOR BUILDING MOUNTED EXTERIOR LIGHTING.
 - MAINTAIN MINIMUM 3'-0" HORIZONTAL AND VERTICAL SEPARATION BETWEEN ELECTRICAL AND TELECOM UNDERGROUND LINES.

- KEY NOTES (X)** (THIS SHEET)
- PROPOSED LOCATION OF NEW PAD MOUNTED UTILITY TRANSFORMER BY EVERY. REFER TO CIVIL UTILITY PLAN FOR EXACT LOCATION. INSTALL TRANSFORMER ON EVERY APPROVED CONCRETE EQUIPMENT PAD. COORDINATE FINAL LOCATION WITH CIVIL AND OBTAIN WRITTEN APPROVAL FROM EVERY.
 - UNDERGROUND SECONDARY SERVICE ENTRANCE. PROVIDE CONCRETE ENCASED DUCT BANK. REFER TO ONE-LINE DIAGRAM FOR FEEDER SIZE.
 - EXTERIOR GENERATOR. REFER TO ONE-LINE DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE FINAL EQUIPMENT PAD SIZE WITH VENDOR SUBMITTED SHOP DRAWINGS. COORDINATE GENERATOR CONNECTIONS WITH VENDOR SUBMITTED SHOP DRAWINGS.
 - UNDERGROUND FEEDERS AND CONTROL CABLING FROM GENERATOR TO EMERGENCY DISTRIBUTION EQUIPMENT. PROVIDE CONCRETE ENCASED DUCT BANK. REFER TO ONE-LINE DIAGRAM FOR FEEDER SIZE. PROVIDE CONDUIT AND WIRING/CABLING AS REQUIRED FOR GENERATOR STARTING CIRCUIT, ALARMS, MONITORING, CONTROLS, AND POWERED ACCESSORIES.
 - PAD-MOUNTED DUAL-PURPOSE DOCKING STATION FOR LOAD BANK AND TEMPORARY GENERATOR. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
 - MAIN TELECOM ROOM AND PROPOSED LOCATION OF INCOMING TELECOM SERVICES. PROVIDE (3) 4" CONDUIT STUBBED THROUGH FLOOR AS REQUIRED. REFER TO TECHNOLOGY DRAWINGS FOR LOCATION AND ADDITIONAL REQUIREMENTS. CONDUIT ROUTING TO SERVICE PROVIDE VAULT SHALL BE DELEGATED DESIGN.
 - SITE LIGHT POLE BY CIVIL. REFER TO CIVIL PHOTOMETRIC PLANS FOR LIGHT FIXTURE SPECIFICATIONS. PROVIDE CIRCUITING TO FIXTURE AS REQUIRED.
 - PROVIDE (2)#8, (1)#6, IN 1" C FOR SITE LIGHT POLE WIRING. MAKE CONNECTIONS TO FIXTURES AS REQUIRED. CIRCUIT VIA EXTERIOR LIGHTING CONTROLLER PROVIDED IN MAIN ELECTRICAL ROOM.
 - CONNECTION TO INTEGRALLY LIT MONUMENT SIGN. FIELD-LOCATE WEATHERPROOF JUNCTION BOX AND DISCONNECT. BOX AND DISCONNECT SHALL BE OBTAINED FROM VIEW AS MUCH AS PRACTICAL (LOCATED ON END OF SIGN, NOT ON SIGN FACES). PROVIDE (2)#10, (1)#10G, IN 3/4" C. VERIFY ELECTRICAL REQUIREMENTS WITH SIGNAGE VENDOR PRIOR TO ROUGH-IN.
 - CONNECTION TO GENERATOR STATOR HEATER.
 - CONNECTION TO GENERATOR BATTERY CHARGER.
 - CONNECTION TO GENERATOR ENGINE OIL HEATER.
 - CONNECTION TO GENERATOR JACKET WATER HEATER. PROVIDE (2)#8, (1)#10G, IN 1" C. VERIFY FINAL HEATER SIZE, WIRING, AND OVERCURRENT PROTECTION PRIOR TO ROUGH-IN.
 - ACCESSORY CIRCUITS FOR GENERATOR. VERIFY FINAL QUANTITIES, SIZES, AND LOCATIONS OF ACCESSORY CIRCUITS PRIOR TO ROUGH-IN. PROVIDE DISCONNECTS, SUPPORTS, CONDUIT, WIRING, AND OTHER COMPONENTS AS REQUIRED BY GENERATOR MANUFACTURER.
 - PAD-MOUNTED CT CABINET RATED 1200A AND UTILITY METER. ENCLOSURES SHALL BE RATED FOR OUTDOOR INSTALLATION. INSTALL PER EVERY SERVICE STANDARDS. CT CABINET BASIS OF DESIGN IS MILBANK KCPM-1234PM. ALTERNATE EVERY. APPROVED CT CABINETS ARE ACCEPTABLE. REFER TO EVERY SERVICE STANDARDS SECTION 10.9 FOR ADDITIONAL INFORMATION. COORDINATE INSTALLATION WITH EVERY AND OTHER TRADES.
 - EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF GENERATOR. PROVIDE TAMPER-RESISTANT, WEATHERPROOF COVER. CONNECT EPO BUTTON AS REQUIRED.
 - CONNECTION TO ELECTRIC VEHICLE DUAL-PORT CHARGING STATION. FIELD COORDINATE FINAL LOCATIONS OF CHARGING STATIONS. PROVIDE (4)#8, (1)#6G, IN 1" C FOR EACH CIRCUIT. PROVIDE 40A/2P CIRCUIT BREAKER FOR EACH CHARGING PORT. PRIOR TO INSTALLATION, VERIFY THE ELECTRICAL REQUIREMENTS OF THE ACTUAL TYPE OF CHARGING STATION BEING FURNISHED. COORDINATE ADDITIONAL REQUIREMENTS WITH EVERY.
 - IN-GRADE RATED PULL BOX. BASIS OF DESIGN IS QUAZITE 12"x12" BOX. PROVIDE (2) 1" SPARE CONDUIT, CAPPED WITH PULL STRING FROM MAIN ELECTRICAL ROOM 197.
 - REFER TO CIVIL PLANS FOR EXACT LOCATION OF VAULT FOR WATER LINE DOUBLE-CHECK VALVE. PROVIDE 3/4" CONDUIT ROUTED FROM VAULT LOCATION TO WATER ENTRY ROOM 198. PROVIDE CABLING AND CONTROL MODULES AS REQUIRED FOR MONITORING OF THE BUILDING SPRINKLER SYSTEM.
 - PROVIDE CIRCUITS AS REQUIRED FOR DOCKING STATION ACCESSORIES. UTILIZE #10 CONDUCTORS FOR BLOCK HEATER RECEPTACLE CIRCUIT.

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
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Drawn By AE
Checked By JB, AP

Revision
Number Date Description
8 2/7/24 ASI #4

E1.0
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ELECTRICAL SITE PLAN

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Summit, Missouri
02/07/2024

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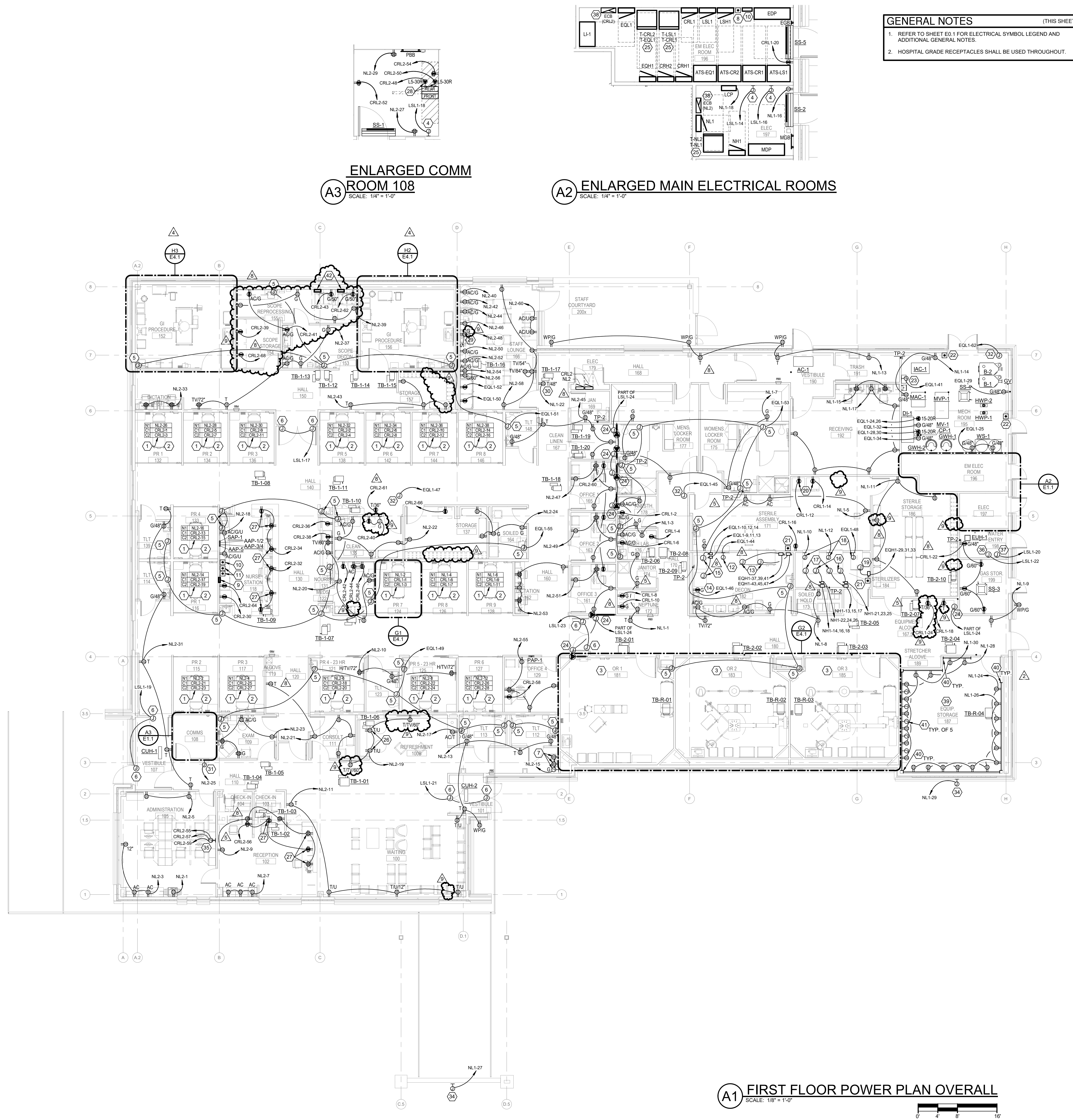
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2	2/20/23	ADDENDUM #2
4	10/5/23	ASI #1
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

E1.1

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FIRST FLOOR POWER PLAN -
OVERALL

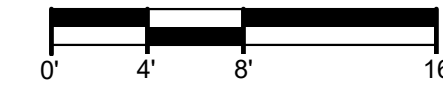


- ### GENERAL NOTES (THIS SHEET)
1. REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
 2. HOSPITAL GRADE RECEPTACLES SHALL BE USED THROUGHOUT.

- ### KEY NOTES (X) (THIS SHEET)
1. CIRCUIT SCHEDULE FOR RECEPTACLES LOCATED IN THIS ROOM. SEE ENLARGED PLAN FOR LAYOUT.
 2. REFER TO DETAIL A1/SHEET E4.1 FOR DEVICE LAYOUT IN THIS ROOM.
 3. DO NOT PENETRATE THIS ROOM WITH CONDUIT OR WIRING WHICH SERVES OTHER AREAS.
 4. CONNECTION TO FIRE ALARM EQUIPMENT PANEL(S) AND ASSOCIATED POWER SUPPLIES.
 5. CONNECTION TO LOW VOLTAGE TRANSFORMER SERVING AUTOMATIC FAUCET AND/OR FLUSH VALVE. PROVIDE A TOGGLE SWITCH DISCONNECT ABOVE FINISHED ACCESSIBLE CEILING. WHERE A HARD CEILING EXISTS, PROVIDE SUITABLE ACCESS PANEL. PROVIDE CONDUIT PATHWAY AND BACKBOXES AS REQUIRED FOR CONCEALED INSTALLATION. COORDINATE EXACT LOCATION WITH PLUMBING ROUGH-IN. WIRING BETWEEN TRANSFORMER AND FAUCETS/VALVES SHALL BE PROVIDED BY DIVISION 22.
 6. CONNECTION TO AUTOMATIC DOOR OPERATOR. PROVIDE A TOGGLE SWITCH DISCONNECT ABOVE FINISHED ACCESSIBLE CEILING ADJACENT TO THE EQUIPMENT SERVED. COORDINATE WITH ARCHITECTURAL DRAWINGS AND DOOR HARDWARE SCHEDULE FOR ROUGH-IN OF BACK BOXES FOR DOOR PUSH PADS.
 7. RECEPTACLE(S) FOR ELECTRIC WATER COOLER. COORDINATE MOUNTING WITH MANUFACTURER'S REQUIREMENTS. PROVIDE DEAD-FRONT GFCI DEVICE ADJACENT TO WATER COOLER PANEL. CONNECTED TO PROVIDE GFCI PROTECTION TO DOWNSTREAM RECEPTACLE(S).
 8. GENERATOR REMOTE ANNUNCIATOR PANEL 1 OF 2. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE SURFACE-MOUNT ENCLOSURE IF INSTALLED IN UNFINISHED SPACE. IF OWNER DIRECTS TO INSTALL IN A FINISHED SPACE, PROVIDE FLUSH-MOUNT ENCLOSURE.
 9. GENERATOR REMOTE ANNUNCIATOR PANEL 2 OF 2. FIELD COORDINATE EXACT LOCATION ALONG WALL WITH OTHER ALARM PANELS AND PUSH BUTTONS ABOVE COUNTER. COORDINATE WITH ARCHITECTURAL ELEVATIONS PROVIDE FLUSH-MOUNT ENCLOSURE FOR ANNUNCIATOR PANEL.
 10. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF GENERATOR. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER.
 11. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF AIR HANDLING UNITS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER.
 12. CONNECTION TO AUTOMATIC PASS-THROUGH. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO UNIT FOR DISCONNECTING MEANS.
 13. CONNECTION TO WASHER/DISINFECTOR. PROVIDE (3)#8, (1)#10G, IN 1" C. PROVIDE NEMA-1, 60A/3P NON-FUSED DISCONNECT SWITCH. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
 14. RECEPTACLE FOR AUTOMATIC DETERGENT DISPENSER.
 15. CONNECTION TO ULTRASONIC CLEANER. PROVIDE (3)#12, (1)#12G, IN 3/4" C. PROVIDE NEMA-1, 30A/3P NON-FUSED DISCONNECT SWITCH. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
 16. CONNECTION TO MEDIUM-SIZE STERILIZER POWER. PROVIDE (3)#12, (1)#12G, IN 3/4" C. PROVIDE NEMA-1, 30A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
 17. CONNECTION TO MEDIUM-SIZE STERILIZER ELECTRIC STEAM GENERATOR. PROVIDE (3)#4, (1)#8G, IN 1-1/4" C. PROVIDE NEMA-1, 100A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
 18. CONNECTION TO STERILIZER CONTROLS. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO UNIT FOR DISCONNECTING MEANS. COORDINATE MOUNTING OF TOGGLE SWITCH WITH PLUMBING.
 19. CONNECTION TO SMALL-SIZE STERILIZER POWER AND ELECTRIC STEAM GENERATOR. PROVIDE (3)#8, (1)#10G, IN 3/4" C. PROVIDE NEMA-1, 60A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
 20. RECEPTACLE FOR LOW-TEMP STERILIZER.
 21. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF STERILIZERS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER. MOUNT AT 60" AFF.
 22. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF BOILERS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER. MOUNT AT 60" AFF.
 23. CONNECTION TO GAS CONTROL PANEL. PROVIDE 600VA, 120V/1PH UPS FOR GAS MAIN POWER SUPPLY. COORDINATE WITH GAS CONTROLS VENDOR FOR EXACT CABINET LOCATION AND ADDITIONAL POWER REQUIREMENTS.
 24. CONNECTION TO SMOKE DAMPER.
 25. STACKED TRANSFORMER MOUNTING. PROVIDE UNISTRUT FRAME FOR STACKING ONE TRANSFORMER ABOVE THE OTHER AS REQUIRED. PROVIDE BRACING AS REQUIRED TO RESIST LATERAL MOVEMENT.
 26. RECEPTACLES INSTALLED AT BASE OF BUILT-IN BENCH. MOUNT RECEPTACLES HORIZONTALLY COORDINATE WITH ARCHITECTURAL DETAILS.
 27. RECEPTACLES INSTALLED IN BUILT-UP CASEWORK. CONDUIT SHALL BE CONCEALED WITHIN CASEWORK, STUBBED UP FROM BELOW AS REQUIRED.
 28. MOUNT RECEPTACLES ON THE REAR SIDE OF THE TELECOM EQUIPMENT RACKS. AT BOTTOM OF RACK. WITH CONDUIT STUBBED UP FROM BELOW. CONDUIT ROUTING AND WIRING DEVICE BOXES SHALL NOT BLOCK OR IMPEDE ACCESS TO RACK EQUIPMENT. CONFIRM SPECIAL RECEPTACLE CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
 29. RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. CONNECT TO ABOVE COUNTER TOGGLE SWITCH.
 30. CONNECTION FOR EMPLOYEE TIME CLOCK. COORDINATE FINAL MOUNTING AND CONNECTION TYPE WITH PROVIDED EQUIPMENT.
 31. CONNECTION TO VENDOR BADGE MAKER. COORDINATE FINAL MOUNTING AND CONNECTION TYPE WITH PROVIDED EQUIPMENT.
 32. CONNECTION TO PIPING HEAT TRACE SYSTEM. REFER TO PLUMBING DRAWINGS FOR HEAT TRACE LOCATION AND SPECIFICATION.
 33. NOT USED.
 34. CONNECTION TO ILLUMINATED BUILDING SIGNAGE. COORDINATE MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS. COORDINATE WIRING AND CONTROL REQUIREMENTS WITH SIGNAGE VENDOR PRIOR TO INSTALLATION.
 35. CONNECTION TO PRE-WIRED FURNITURE SYSTEM POWER WHIP. RECEPTACLES ARE INTEGRAL TO FURNITURE SYSTEM PANELS AND PROVIDED BY FURNITURE VENDOR. CONNECT PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH LOW VOLTAGE FOR ADDITIONAL FURNITURE FEED COMPONENTS.
 36. CONNECTION TO DRY-PIPE FIRE PROTECTION SYSTEM AIR COMPRESSOR. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO EQUIPMENT FOR DISCONNECTING MEANS. PRIOR TO ORDERING, VERIFY CIRCUIT BREAKER SIZE, WIRING SIZE, AND ADDITIONAL REQUIREMENTS WITH ACTUAL AIR COMPRESSOR SPECIFIED BY THE FIRE PROTECTION ENGINEER.
 37. CONNECTION TO DRY-PIPE FIRE PROTECTION SYSTEM MONITORING DEVICES, ALARMS, AND CONTROLS AS REQUIRED.
 38. PROVIDE ENCLOSED CIRCUIT BREAKER WITH ELECTRONIC TRIP FOR PROTECTION OF DOWNSTREAM PANELBOARD. REFER TO ONE-LINE DIAGRAM FOR SIZE.
 39. PULL (3) 3/4" SPARE CONDUIT WITH PULL STRING TO THIS SPACE FROM EMERGENCY ELEC ROOM 196. TERMINATED ABOVE CEILING.
 40. PROVIDE WIREMOLD SERIES AL3300 SURFACE RACEWAY. MOUNT RACEWAY AT 48" AFF. PROVIDE RECEPTACLES AND DEVICE PLATES AS REQUIRED. AND PROVIDE ACCESSORIES AS REQUIRED FOR A COMPLETE SYSTEM, INCLUDING BUT NOT LIMITED TO END CAPS, BLANK PLATES, COVERS, COUPLINGS, AND OTHER COMPONENTS. PROVIDE CIRCUITING TO DEVICES AS SHOWN. POWER ACCESS TO RACEWAY MUST BE PROVIDED FROM A BACK FEED WITHIN THE WALL CAVITY. PROVIDE FIELD MEASUREMENTS TO THE MANUFACTURER.
 41. PROVIDE J-BOX ROUGHED-IN AT 36" AFF FOR FUTURE WALL RECEPTACLE. PROVIDE BLACK COVERPLATE AND CONDUIT STUBBED TO ABOVE CEILING WITH PULL-STRING.
 42. PROVIDE 1.5KVA UPS, 120V/1PH, TO DRIVE ADVANTAGE PLUS PROCESSOR COMPUTER SYSTEM. BASIS OF DESIGN IS EATON SS SERIES 1.5KVA UPS.

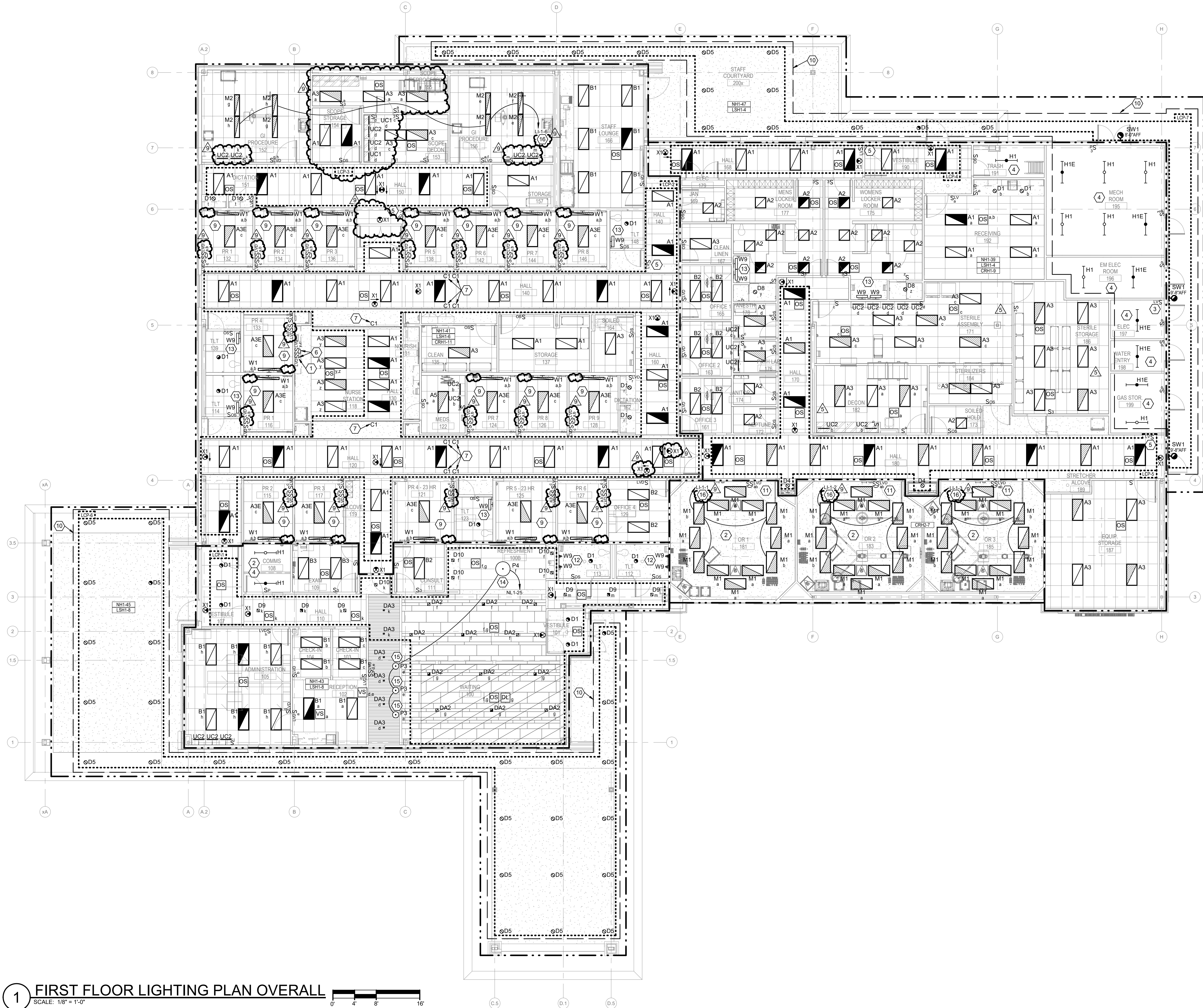
A1 FIRST FLOOR POWER PLAN OVERALL

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

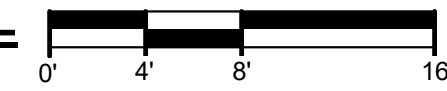


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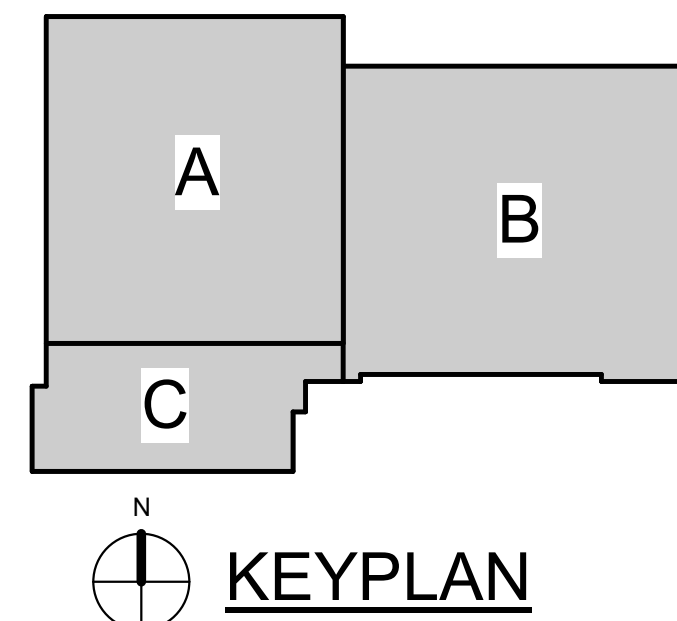


1 FIRST FLOOR LIGHTING PLAN OVERALL
SCALE: 1/8" = 1'-0"



- GENERAL NOTES** (THIS SHEET)
- REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES.
 - EXIT SIGNS SHALL BE CONNECTED TO "UNSWITCHED" LEG OF THE CIRCUIT.
 - EXIT SIGN LOCATIONS ARE SHOWN FOR CIRCUITING AND ROUGH-IN ONLY. REFER TO LIFE SAFETY DRAWINGS FOR EXACT LOCATION, ORIENTATION, AND DIRECTIONAL ARROWS. EXIT SIGNS SHALL BE INSTALLED AFTER SITE WALKTHROUGH REVIEW BY FIRE DEPARTMENT AUTHORITY.
 - CONNECT EMERGENCY LIGHTING AND EXIT SIGNS AHEAD OF LOCAL SWITCHING.
 - COORDINATE THE LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND DEVICES WITH ARCHITECTURAL DRAWINGS. WHERE LUMINAIRES OR DEVICES ARE NOT SPECIFICALLY INDICATED, COORDINATE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
 - VERIFY FIXTURE TRIM COMPATIBILITY WITH CEILING TYPES INDICATED IN ARCHITECTURAL CEILING PLANS AND DETAILS PRIOR TO ORDERING ANY LUMINAIRES.
 - COORDINATE LUMINAIRE LOCATIONS, MOUNTING, AND SUPPORTS WITH MECHANICAL DUCTWORK, PIPING, AND OTHER TRADES TO AVOID CONFLICTS.
 - LOSS OF UTILITY POWER SHALL ENERGIZE EGRESS LIGHTING. LIGHTING SYSTEMS SHALL MEET UL STANDARDS FOR LIFE SAFETY REQUIREMENTS.
 - PROVIDE OCCUPANCY/VACANCY SENSOR RELAYS AND POWER PACKS AS REQUIRED TO PROVIDE THE LIGHTING CONTROL FUNCTION INDICATED. PROVIDE LOW VOLTAGE SENSORS WITH 1 SET OF AUXILIARY CONTACTS FOR INTEGRATION WITH HVAC CONTROLS.
 - SET OCCUPANCY/VACANCY SENSORS TO 15 MINUTE DELAY, UNLESS NOTED OTHERWISE. DO NOT EXCEED MAXIMUM CODE ALLOWED TIME DELAY.
 - CONNECT OCCUPANCY/VACANCY SENSORS AHEAD OF LOCAL LIGHTING CONTROLS.
 - WHERE MULTIPLE OCCUPANCY/VACANCY SENSORS ARE LOCATED IN THE SAME ROOM OR SPACE, CONNECT SENSORS TO CONTROL ALL LIGHTING (EXCEPT NON-SWITCHED EMERGENCY LIGHTING) WITHIN THAT ROOM OR SPACE, UNLESS NOTED OTHERWISE.
 - LOCATIONS OF THE OCCUPANCY/VACANCY SENSORS ON THESE DRAWINGS ARE DIAGRAMMATIC. LIGHTING CONTROL VENDOR SHALL PROVIDE LAYOUT OF DEVICES AND DEVICE SELECTION FOR COMPLETE SENSOR COVERAGE OF AREAS. SUBMIT SHOP DRAWINGS WHICH INDICATE LOCATIONS AND DEVICE TYPE. PROVIDE ADDITIONAL DEVICES AS REQUIRED. CONTRACTOR SHALL ADJUST DEVICES AS REQUIRED FOR COVERAGE OF THE CONTROLLED AREAS. CONTRACTOR SHALL RETURN TO SITE AS REQUIRED WITHIN 1 YEAR OF FINAL COMPLETION TO RE-ADJUST OR REPLACE DEVICES WHICH ARE NOT FUNCTIONING PROPERLY.
 - DO NOT LOCATE CEILING SENSORS WITHIN 3' OF AN HVAC SUPPLY AIR TERMINAL.
 - LIGHTING CONTROL SENSORS SHALL BE DUAL TECHNOLOGY TYPE UNLESS NOTED OTHERWISE.
 - SWITCHES IN PATIENT PREP/RECOVERY ROOMS AND IN PROCEDURE/OPERATING ROOMS SHALL BE LABELED WITH FUNCTIONAL DESCRIPTION. FINAL LABEL SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
 - REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING FOR UNDERCOUNTER LUMINAIRES.

- KEY NOTES** (THIS SHEET)
- MASTER OVERRIDE SWITCH FOR NIGHTTIME SHUT-OFF OF ALL "A3E" AND "W1" LIGHT FIXTURES IN ALL PRE-OP AND RECOVERY BAYS.
 - DO NOT PENETRATE THIS ROOM WITH CONDUIT OR CABLEING WHICH SERVES OTHER AREAS.
 - PROVIDE 3-BUTTON WALL-MOUNT DIGITAL OVERRIDE SWITCH TO INCLUDE "ON", "OFF", AND "AUTO" MODE FOR EXTERIOR LIGHTING. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL "LCP".
 - CHAIN HANG FIXTURES AT 9'-0" AFF IN THIS SPACE. COORDINATE FINAL LOCATIONS WITH PIPING, DUCTWORK, EQUIPMENT, CABLE TRAY, AND ALL TRADES.
 - MASTER OVERRIDE SWITCH FOR LIGHT FIXTURES IN CORRESPONDING CORRIDOR.
 - MOUNT BANK OF SWITCHES ABOVE COUNTER AS INDICATED.
 - PROVIDE COVE LIGHTING AROUND SOFFIT PERIMETER AS INDICATED. CONTROL WITH ADJACENT CORRIDOR FIXTURES VIA LIGHTING CONTROL PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR COVE DETAILS.
 - NOT USED.
 - REFER TO ARCHITECTURAL ELEVATIONS FOR HEIGHT AND LOCATION OF WALL MOUNTED LUMINAIRES.
 - LIGHT FIXTURES AND ASSOCIATED WIRING AND CONTROLS INDICATED BY THIS NOTE AND/OR WITHIN THIS DASHED BOUNDARY ARE INCLUDED AS PART OF THE SHELL BUILDING SCOPE.
 - COORDINATE FINAL MOUNTING LOCATIONS OF LIGHTING SWITCHES WITH STRYKER O.R. ROOM CONTROL TOUCH PANELS IN THIS ROOM. INSTALL SWITCHES IN CONSOLIDATED GROUP ADJACENT TO TOUCH PANELS.
 - MOUNT VANITY FIXTURES VERTICALLY ON EACH SIDE OF MIRROR. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
 - MOUNT VANITY FIXTURE HORIZONTALLY CENTERED 6" ABOVE MIRROR. REFER TO ARCHITECTURAL ELEVATIONS.
 - SUSPEND PENDANT AT 8'-0" AFF TO BOTTOM OF FIXTURE.
 - SUSPEND PENDANT AT 7'-0" AFF TO BOTTOM OF FIXTURE.
 - PROVIDE UL224 TRANSFER DEVICE FOR LIGHTING INVERTER CIRCUIT FIXTURES. REMOTE MOUNT DEVICE IN CORRIDOR OUTSIDE OF ROOM. COORDINATE CIRCUIT REQUIREMENTS WITH INVERTER MANUFACTURER TO MEET TESTING OPERATIONS.



Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
Drawn By AE
Checked By JB, AP

Revision		
Number	Date	Description
5	11/8/23	ASI #2
9	4/29/24	ASI #6

E2.1
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FIRST FLOOR LIGHTING PLAN - OVERALL

RELEASED FOR CONSTRUCTION
Development Services Department
Summit, Missouri
4/30/2024

STATE OF MISSOURI
ABRIDGED
Professional Engineer
PE-2018015824
4/30/2024

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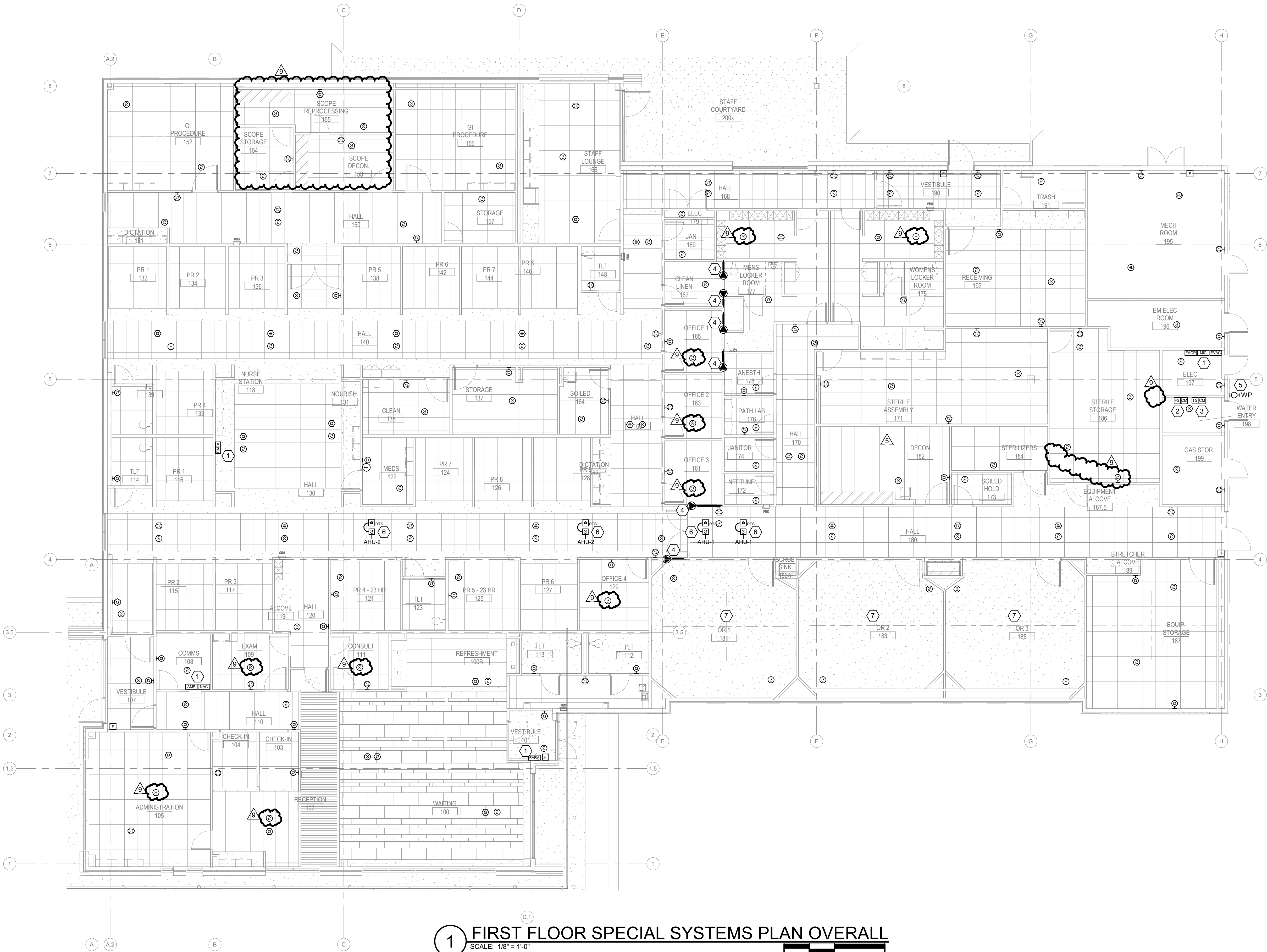
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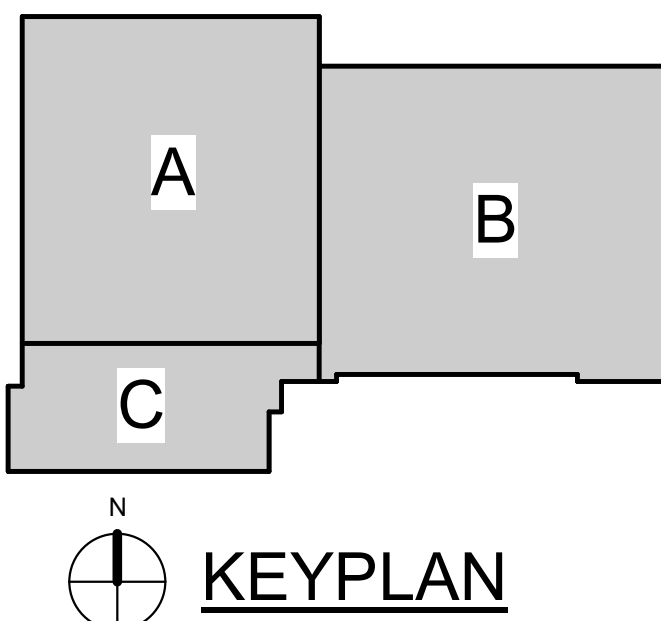
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1 FIRST FLOOR SPECIAL SYSTEMS PLAN OVERALL
SCALE: 1/8" = 1'-0"



GENERAL NOTES (THIS SHEET)

- REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES. REFER TO SHEET E5.1 FOR FIRE ALARM RISER.
- PROVIDE FIRE ALARM SYSTEM DEVICES, CONDUIT, WIRES, CABLES, AND ACCESSORIES AS DIRECTED BY FIRE ALARM EQUIPMENT MANUFACTURER. MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL MEET ADOPTED CODES. THE SYSTEM SHALL BE COMPLETE AND OPERATIONAL IN EVERY RESPECT. SITE SPECIFIC SHOP DRAWINGS SHALL INCLUDE A SINGLE LINE DIAGRAM WHICH INDICATES DEVICES, CONDUIT, WIRES, CABLES, EQUIPMENT, AND ACCESSORIES TO BE USED. SITE SPECIFIC SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A REGISTERED ENGINEER PROVIDED BY THE FIRE ALARM VENDOR. SYSTEM CALIBRATION AND TESTING SHALL BE BY FACTORY CERTIFIED TECHNICIAN.
- PROVIDE CONNECTIONS AS REQUIRED TO POWERED DOORS TO ALLOW FREE EGRESS UPON ALARM CONDITIONS.

KEY NOTES (X) (THIS SHEET)

- PROVIDE EQUIPMENT FOR A FULLY FUNCTIONING VOICE EVACUATION SYSTEM. INCLUDE AS REQUIRED: POWER SUPPLIES FOR NACS, AMPLIFIERS FOR SPEAKER CIRCUITS, MICROPHONES, ANNUNCIATORS, AND FACP & EVAC PANELS, PROVIDING SLCD/C, BUS/DATA, AND VOICE CAPABILITIES.
- PROVIDE CONNECTION TO AND SUPERVISION OF THE PIV AS REQUIRED. VERIFY EXACT LOCATION WITH FIRE SUPPRESSION CONTRACTOR.
- PROVIDE MODULES FOR SPRINKLER RISERS - WATERFLOW, TAMPER, PRESSURE/LOW, AND HIGH/LOW AIR SWITCHES. TAMPER & HIGH/LOW AIR SWITCHES SHALL INITIATE SUPERVISORY SIGNAL. WATERFLOW & PRESSURE/LOW SWITCHES SHALL INITIATE ALARM SIGNAL.
- PROVIDE DETECTION DEVICES, MODULES, AND RELAYS AS REQUIRED TO CONTROL SMOKE DAMPERS UPON DETECTION OF SMOKE.
- PROVIDE EXTERIOR HORN/STROBE ABOVE FDC. VERIFY FINAL LOCATION WITH FIRE SUPPRESSION CONTRACTOR. PROVIDE SUPERVISION OF POWER FROM WATERFLOW SWITCH PER NFPA 72.
- PROVIDE DUCT DETECTOR AND CONNECTIONS TO ASSOCIATED AIR HANDLING UNIT TO SHUTDOWN THE UNIT UPON DETECTION OF SMOKE AND GLOBAL SHUTDOWN OF OTHER APPLICABLE UNITS. PROVIDE APPROPRIATE REMOTE TEST SWITCH FOR TESTING OF DETECTOR. INSTALL DEVICES ABOVE ACCESSIBLE CEILING.
- DO NOT PENETRATE THIS ROOM WITH CONDUIT OR CABLING WHICH SERVES OTHER AREAS.

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FIRST FLOOR SPECIAL
SYSTEMS PLAN - OVERALL



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2	2/20/23	ADDENDUM #2
4	10/5/23	ASI #1
8	2/7/24	ASI #4
9	4/29/24	ASI #6

E4.1

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ENLARGED ELECTRICAL PLANS

GENERAL NOTES

(THIS SHEET)

2. INSTALLATION SHALL BE IN ACCORDANCE WITH O.R. EQUIPMENT MANUFACTURER'S (STRYKER) APPROVED SITE-SPECIFIC SHOP DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE, QUANTITY, AND LAYOUT OF MATERIALS AS REQUIRED TO COMPLY WITH THE MANUFACTURER'S REQUIREMENTS.

KEY NOTES

(THIS SHEET)

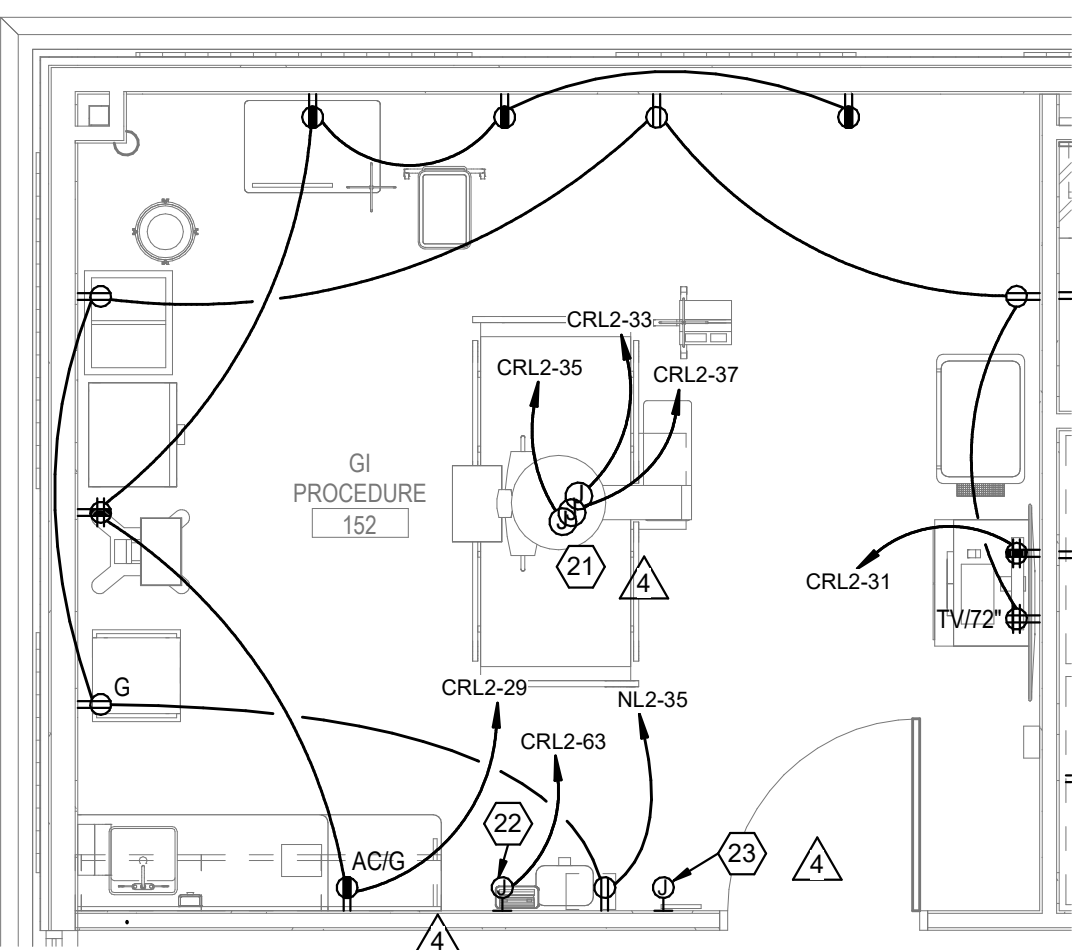
1. RECEPTACLES IN THIS ROOM SHALL BE HOSPITAL GRADE. WALL MOUNTED RECEPTACLES IN THIS ROOM SHALL BE 3'-0" AFF TO CENTER, UNLESS NOTED OTHERWISE.
2. FLUSH MOUNT DUPLEX ISOLATION POWER PANELBOARD (20 SERIES) IN ISOLATION PANELS IN A SINGLE ENCLOSURE WITH INTEGRAL LIFE ISOLATION MOUNT. BASIS OF DESIGN 6 BENDER MIK SERIES ISOLATION PANEL. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
3. COORDINATE THE EXACT DIMENSIONS OF THE WALL FRAMING WITH THE ISOLATION VENDOR. OBTAIN VENDOR'S APPROVED SHOP DRAWINGS. MECHANICAL PIPING OR DUCTS SHALL NOT BE ROUTED ABOVE THESE PANELS.
4. PROVIDE 20 3/4" CONDUIT FROM EACH PANEL TO THE CEILING SPACE ABOVE FOR FUTURE USE. CAP WITH PULL STRING AND LABEL AS SPARE.
5. TYPE 1-630R RECEPTACLE, FLUSH MOUNTED, FOR PORTABLE O.R. LAMP. PROVIDE 1/2" CONDUIT TO THE RECEPTACLE. PROVIDE CONFIGURATION WITH ACTUAL EQUIPMENT TO BE PROVIDED. PRIOR TO ROUGH-IN, AND PROVIDE CONDUCTORS AS REQUIRED.
6. CONNECTIONS TO O.R. BOOM RECEPTABLES, ELECTRIC BRAKE, MONITORS, AND 120V ACCESSORIES. PROVIDE #12 AWG CONDUCTORS IN 1/2" CONDUIT FOR EACH CIRCUIT FROM BOOM RECEPTABLES. CONNECT TWO, NON-ADJACENT RECEPTABLES PER CIRCUIT. PROVIDE SEPARATE COMPARTMENTS WITHIN THE BOOM ASSEMBLY, TO SEPARATE THE CRITICAL BRANCH WIRING THAT IS SERVED FROM SEPARATE ISOLATION PANELS. BOOM RECEPTABLES SHALL BE HOSPITAL GRADE WITH FACE PLATES IDENTICAL WITH THE PANEL AND CIRCUIT NUMBER FROM WHICH THEY ARE SERVED.
7. PROVIDE A #6 AWG INSULATED COPPER BONDING JUMPER FROM THE BOOM RACEWAY ENCLOSURE TO THE CONDUITS CONTAINING THE BRANCH CIRCUIT CONDUCTORS SERVING THE BOOM IN ORDER TO MAKE THE BOOM RACEWAY AN EFFECTIVE GROUND-FULFILL CURRENT PATH.
8. CONNECTION TO SURGICAL LIGHT. BOOM SURGICAL LIGHT HOUSING TO THE METALLIC CONDUIT SERVING THE FIXTURE. CONNECT TO 120V CIRCUIT BRANCH VIA CENTRAL LIGHTING INVERTER CIRCUIT. CONTRACTOR SHALL INSTALL STRYKER PROVIDED "UDM" JUNCTION BOX WITHIN 18 INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM ACCESS PANEL. PROVIDE EQUIPMENT AS REQUIRED BY STRYKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
9. PROVIDE 1" CONDUIT FOR SURGICAL CONTROL WIRING PROVIDED BY SURGICAL LIGHT VENDOR. MAXIMUM LENGTH IS 15'.
10. PROVIDE BACKBOX AS REQUIRED FOR BOOM LIGHTING WALL CONTROL PANEL. COORDINATE EXACT LOCATION OF CONTROLLER AND ADDITIONAL REQUIREMENTS WITH BOOM VENDOR.
11. CONNECTION TO ELAPSED TIME CLOSURE
12. NOT USED
13. FUTURE COR LITE INTEGRATION RACK. VERIFY FINAL LOCATION WITH ARCHITECT AND STRYKER PRIOR TO ROUGH-IN. PROVIDE 12X12X1/4" FLUSH MOUNT WALL JUNCTION BOX WITH 12X12 1/4" PLATE WITH 1/4" THICKNESS. CONTRACTOR SHALL VERIFY ALL INTEGRATION CONDUITS SHALL BE TERMINATED TO THIS JUNCTION BOX. REFER TO STRYKER SITE SPECIFIC DRAWINGS FOR EQUIPMENT LAYOUT, OPGROMI SCHEMATIC AND PRE-INSTALL MANUAL.
14. RECEPTABLES FOR INTEGRATION RACK. INSTALL PER EQUIPMENT VENDOR REQUIREMENTS.
15. RECEPTABLES FOR FUTURE STRYKER COR LITE TOUCH PANEL. PROVIDE 4X4" JUNCTION BOX WITH SINGLE-GANG END RING. J BOX SHALL BE MOUNTED TO WALL WITH 1/4" THICKNESS. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH STRYKER AND ARCHITECT PRIOR TO ROUGH-IN. QUAD RECEPTABLES SHALL BE MOUNTED TO BE WITHIN 18 INCHES OF TOUCH PANEL. PROVIDE EQUIPMENT AS REQUIRED BY STRYKER SITE SPECIFIC SHOP DRAWINGS FOR CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
16. CONNECTION TO PATIENT HEADWALL NORMAL BRANCH RECEPTABLES. SEE ASSOCIATED CIRCUIT SCHEDULE ON THIS SHEET FOR QUANTITY OF CIRCUITS.
17. CONNECTION TO PATIENT HEADWALL CRITICAL BRANCH RECEPTABLES. SEE ASSOCIATED CIRCUIT SCHEDULE ON THIS SHEET FOR QUANTITY OF CIRCUITS.
18. HOMERUN(S) TO PANELBOARD. SEE POWER PLAN (SHEET E-1A) FOR PANELBOARD AND CIRCUIT NUMBERS.
19. RECEPTABLES PROVIDED ON PATIENT HEADWALL ARE NOT SHOWN ON THIS ENLARGED FLOOR PLAN. REFER TO ASSOCIATED HEADWALL ELEVATION AND SCHEDULE FOR RECEPTACLE QUANTITY AND CIRCUIT NUMBERS. REFER TO STRYKER SITE ARCHITECTURAL ELEVATIONS FOR EXACT RECEPTACLE LOCATIONS AND DIMENSIONS.
20. CEILING MOUNTED DUPLEX RECEPTACLE IN OPERATING ROOM SHALL BE NEMA 5-20R STRAIGHT BLADE RECEPTACLE. EACH OUTLET OF MOUNTED DUPLEX RECEPTACLE SHALL BE 18" DROP WITH STRAIN RELIEF AT EACH END AND STAINLESS STEEL GROMMETED COVERPLATE FLUSH IN CEILING. CONFIRM WITH USERS WHICH SIZE OF GAS OUTLETS TO INSTALL. POWER

IN 3/4" CONDUIT FOR EACH CIRCUIT. PROVIDE A #6 AWG INSULATED COPPER BONDING JUMPER FROM THE SERVICE

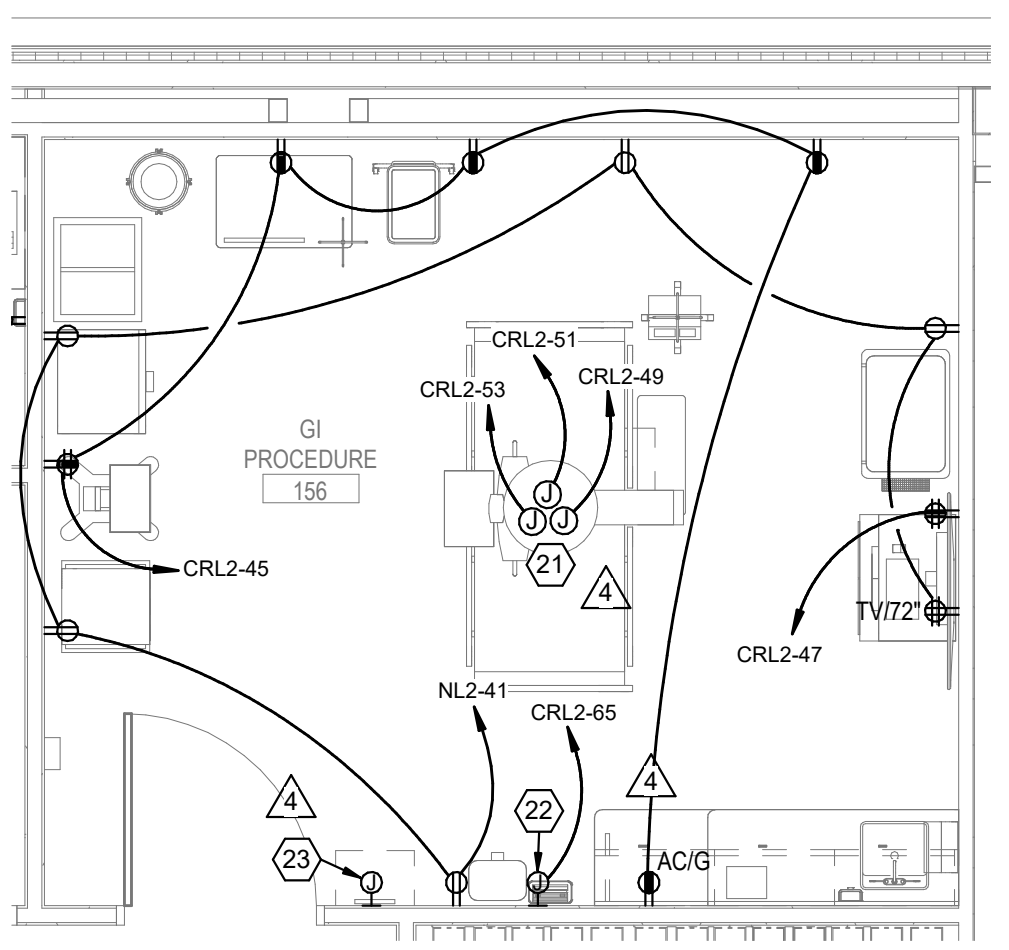
1. COLUMN RACEWAY ENCLOSE TO THE CONDUITS CONTAINING THE CONDUITS TO THE RACEWAY. THE RACEWAY SHALL BE MOUNTED TO THE COLUMN IN ORDER TO MAKE THE RACEWAY AN EFFECTIVE GROUND-FAULT CURRENT PATH.
2. CONDUITS SHALL NOT BE MOUNTED IN LET BOXES ON OR NEAR THE MOUNTING PLATE PER STRIKER PRE-INSTALL REQUIREMENTS. CONTRACTOR SHALL INSTALL STRIKER-PROVIDED UDM JUNCTION BOX, MOUNTED TO THE STRIKER, TO PROVIDE A REMOVAL POINT AND ACCESSIBLE FROM ACCESS PANEL. PER STRIKER PRE-INSTALL REQUIREMENTS.
3. STRIKER RECESSED 'SK' BOX. CONTRACTOR TO VERIFY FINAL LOCATION WITH ARCHITECT. CONTRACTOR SHALL VERIFY LOCATION TO ROUGH-IN CONTRACTOR SHALL PROVIDE CONDUIT PER STRIKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL. CONTRACTOR SHALL MAKE BOTH AC AND DC CONNECTIONS WITHIN THE 'SK' BOX.
4. STRIKER LIGHT CONTROL BOX. CONTRACTOR SHALL PROVIDE CONDUIT PER STRIKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL. CONTRACTOR SHALL PROVIDE STANDARD 4X4 JUNCTION BOX TO BE MOUNTED DIRECTLY TO THE WALL. CONTRACTOR SHALL CONTROL BOX MOUNTED 53 INCHES AFF. ENSURE FRONT OF STRIKER PROVIDED BACKBOX IS FLUSH WITH THE WALL.
5. FUTURE 4-1/2" WALL PIER. PROVIDE RACO 256 JUNCTION BOX WITH 7/8" ID WALL RING. MOUNTED 16" AFF. REFERENCE TO STRIKER SHOP DRAWINGS FOR CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
6. ELECTRICAL CIRCUITS SERVING THE STRIKER BOOM SHALL BE CONNECTED TO THE S-SERIES JUNCTION BOX. TWO SEPARATE STRIKER SUPPLIED JUNCTION BOXES SHALL BE PROVIDED AND BE INSTALLED BY THE CONTRACTOR AND BE WITHIN 18 INCHES OF THE BOOM MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. CONTRACTOR SHALL STRIKER SHOP DRAWINGS FOR THE CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.

TYPICAL ELEVATION DEVICE LEGEND

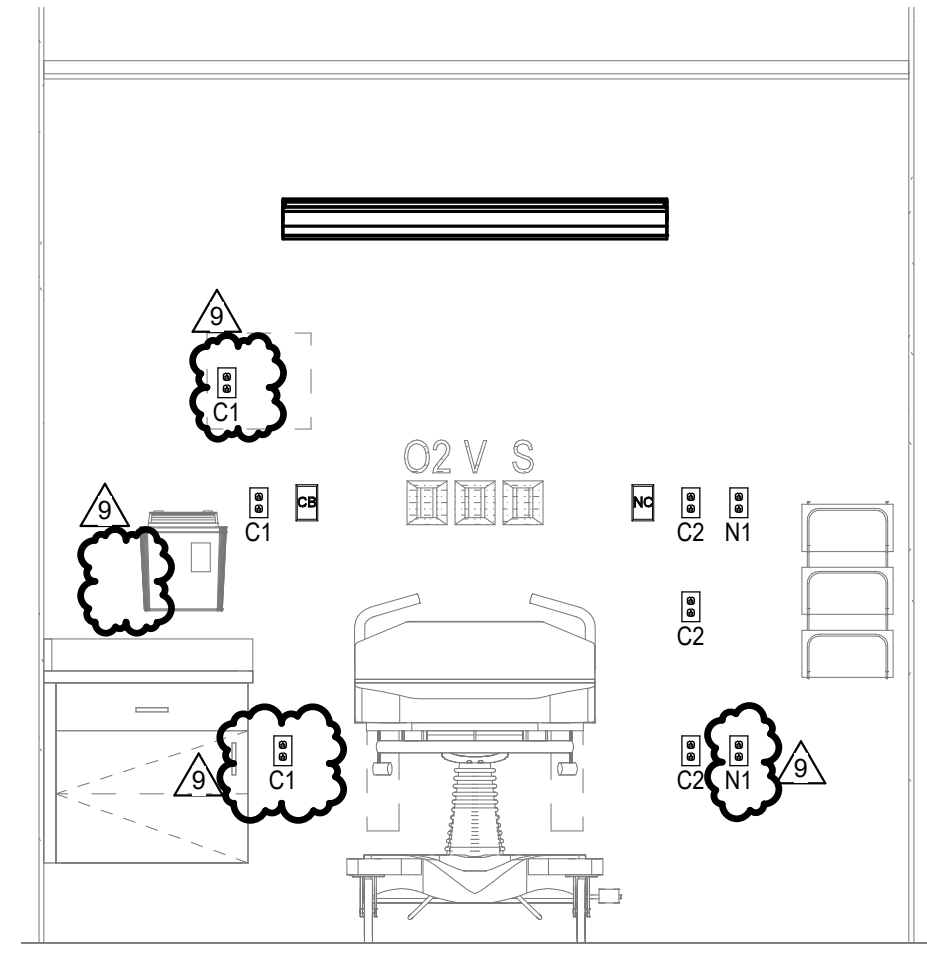
DEVICE SYMBOL	EQUIVALENT PLAN SYMBOL AS DEFINED ON LEGEND SHEET	DESCRIPTION
 N#		HOSPITAL GRADE NORMAL DUPLEX RECEPTACLE. ALPHA-NUMERIC SUBSCRIPT INDICATES CIRCUIT ID
 C#		HOSPITAL GRADE CRITICAL DUPLEX RECEPTACLE. ALPHA-NUMERIC SUBSCRIPT INDICATES CIRCUIT ID



(H3) ENLARGED GI PROCEDURE 152
SCALE: 1/4" = 1'-0"



H2 ENLARGED GI PROCEDURE 156

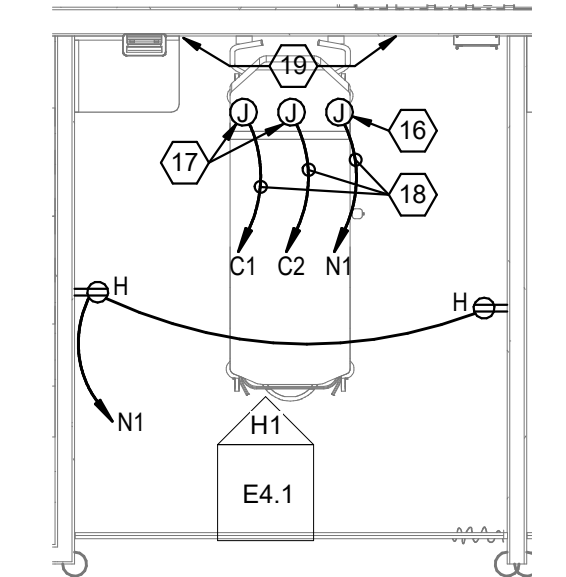


HEADWALL ELEVATION

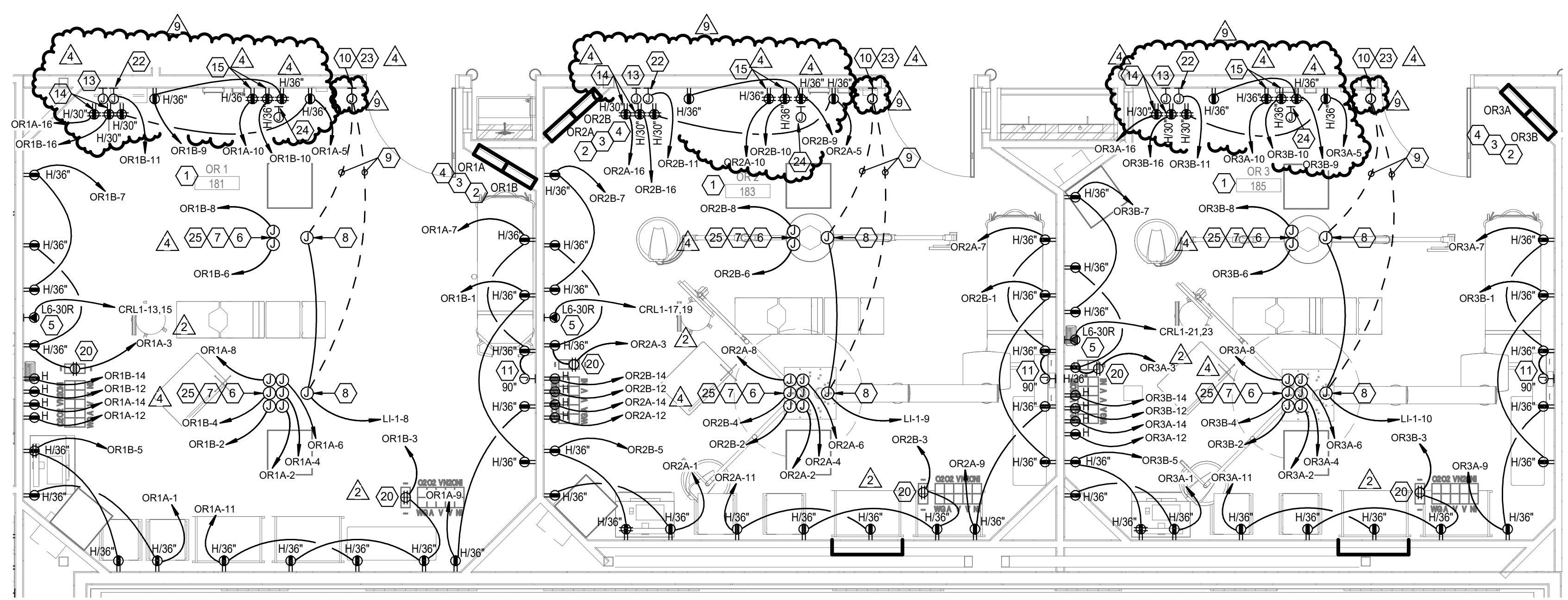
(H1) TRIFCA
SCALE: 1/2" = 1'-0"

TYPICAL PATIENT RECOVERY ROOM RECEPTACLE CONNECTION SCHEDULE			
CIRCUIT ID	DESCRIPTION	BRANCH	LOAD (VA) *
N1	120V RECEPTACLES	NORMAL	720
C1	120V RECEPTACLES	CRITICAL	540
C2	120V RECEPTACLES	CRITICAL	540

* TYPICAL LOAD SERVED. SEE POWER PLANS FOR CIRCUIT NUMBERS IN EACH ROOM.



**ENLARGED TYPICAL
RECOVERY ROOM**



G2 ENLARGED O.R. 181, 183, 185
SCALE: 1/4" = 1'-0"

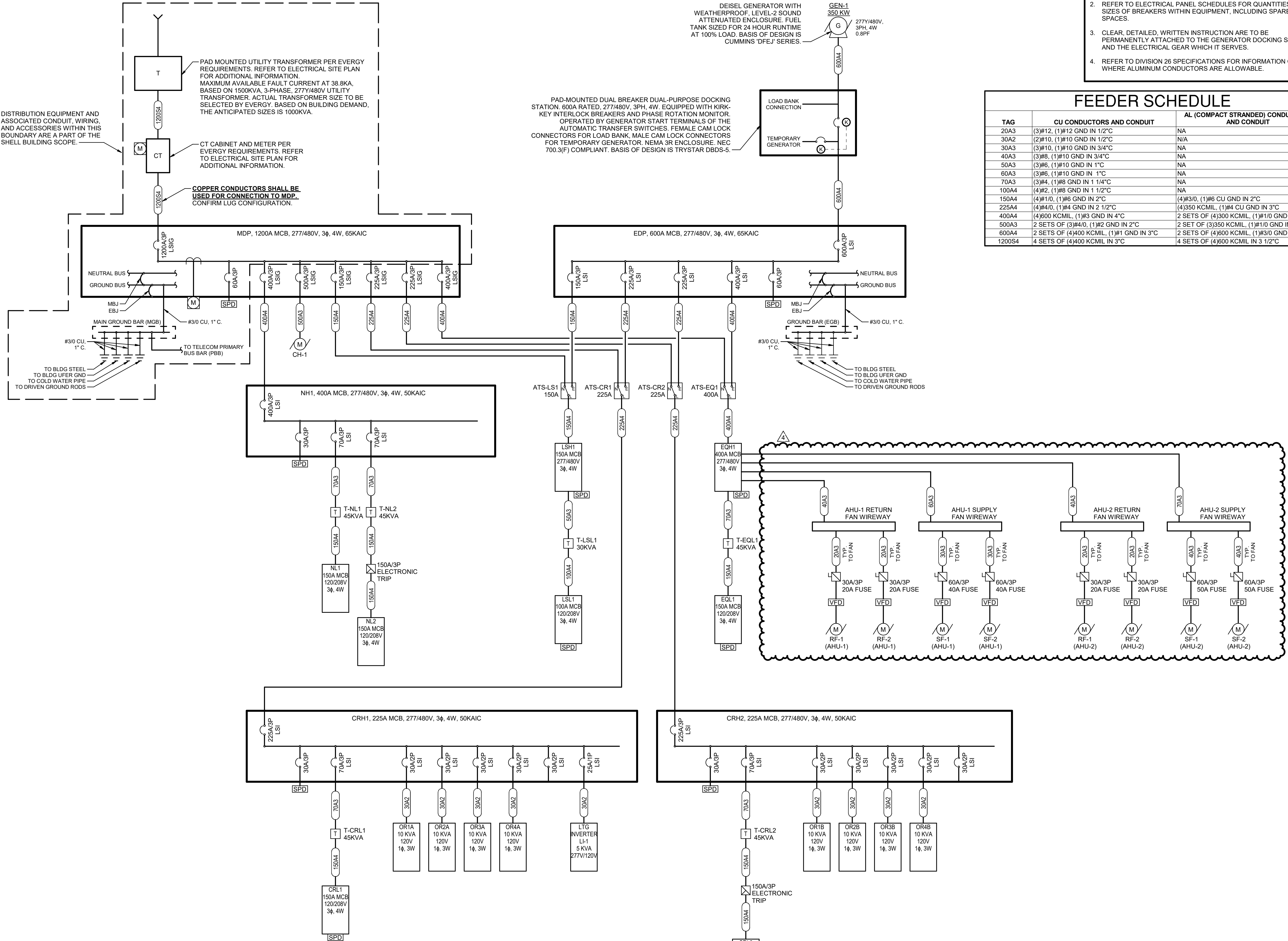
AUTOMATIC TRANSFER SWITCH SCHEDULE

ATS TAG	BRANCH	RATING	NUMBER OF POLES	VOLTAGE	SHORT CIRCUIT RATING (KA)	TRANSITION TYPE	BYPASS ISOLATION	LOAD PRIORITY	ENGINE START TIME DELAY	TRANSFER TO EMERGENCY TIME DELAY	RE-TRANSFER TO NORMAL TIME DELAY	LOAD SHED FEATURE	REMARKS
ATS-LS1	LIFE SAFETY	150A	4	480V	50	OPEN	NO	1	1 S	0 S	1800 S	NO	
ATS-CR1	CRITICAL	225A	4	480V	50	OPEN	NO	1	1 S	0 S	1800 S	NO	
ATS-CR2	CRITICAL	225A	4	480V	50	OPEN	NO	1	1 S	0 S	1800 S	NO	
ATS-EQ1	EQUIPMENT	400A	4	480V	50	OPEN	NO	2.1	1 S	10 S	1500 S	YES	

- GENERAL NOTES (THIS SHEET)
- REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
 - REFER TO ELECTRICAL PANEL SCHEDULES FOR QUANTITIES AND SIZES OF BREAKERS WITHIN EQUIPMENT, INCLUDING SPARES AND SPACES.
 - CLEAR, DETAILED, WRITTEN INSTRUCTION ARE TO BE PERMANENTLY ATTACHED TO THE GENERATOR DOCKING STATION AND THE ELECTRICAL GEAR WHICH IT SERVES.
 - REFER TO DIVISION 26 SPECIFICATIONS FOR INFORMATION ON WHERE ALUMINUM CONDUCTORS ARE ALLOWABLE.

FEEDER SCHEDULE

TAG	CU CONDUCTORS AND CONDUIT	AL (COMPACT STRANDED) CONDUCTORS AND CONDUIT
20A3	(3)#12, (1)#12 GND IN 1/2" C	NA
30A2	(2)#10, (1)#10 GND IN 1/2" C	N/A
30A3	(3)#10, (1)#10 GND IN 3/4" C	NA
40A3	(3)#8, (1)#10 GND IN 3/4" C	NA
50A3	(3)#6, (1)#10 GND IN 1" C	NA
60A3	(3)#6, (1)#10 GND IN 1" C	NA
70A3	(3)#4, (1)#8 GND IN 1 1/4" C	NA
100A4	(4)#2, (1)#8 GND IN 1 1/2" C	NA
150A4	(4)#10, (1)#6 GND IN 2" C	(4)#50, (1)#6 CU GND IN 2" C
225A4	(4)#40, (1)#4 GND IN 2 1/2" C	(4)350 KCML, (1)#4 CU GND IN 3" C
400A4	(4)600 KCML, (1)#3 GND IN 4" C	2 SETS OF (4)300 KCML, (1)#1/0 GND IN 3" C
500A3	2 SETS OF (3)#4/0, (1)#2 GND IN 2" C	2 SET OF (3)350 KCML, (1)#1/0 GND IN 2 1/2" C
600A4	2 SETS OF (4)400 KCML, (1)#1 GND IN 3" C	2 SETS OF (4)600 KCML, (1)#3/0 GND IN 3 1/2" C
1200S4	4 SETS OF (4)400 KCML IN 3" C	4 SETS OF (4)600 KCML IN 3 1/2" C



A6 ONE-LINE DIAGRAM
SCALE: NONE

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
Drawn By AE
Checked By JB, AP

Revision
Number Date Description
4 10/5/23 ASI #1

E6.1

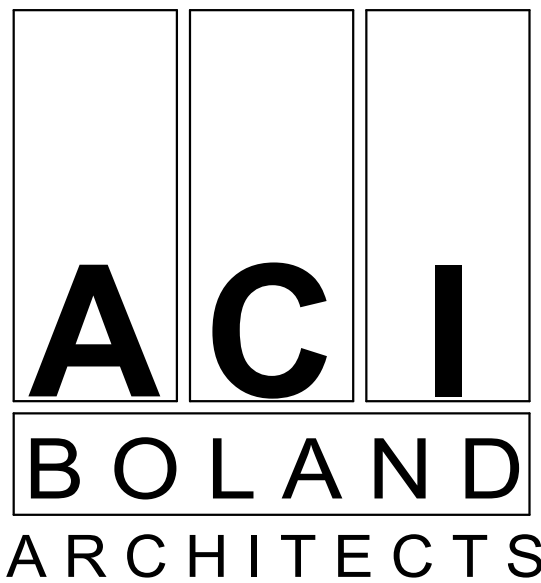
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ONE-LINE DIAGRAM

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MECH/ELEC EQUIPMENT COORDINATION SCHEDULE

ABBREVIATIONS									
C	COMBINATION STARTER AND SAFETY SWITCH	MC	MECHANICAL CONTRACTOR	S	SWITCH	SW	SWITCH WITH FUSTAT		
CB	CIRCUIT BREAKER	N1	NEMA 1	SE	SWITCH WITH FUSTAT	SS	SAFETY SWITCH		
CP	CONTROL PANEL	N3R	NEMA 3R	SS	SAFETY SWITCH	VS	VARIABLE FREQUENCY DRIVE		
EC	ELECTRICAL CONTRACTOR	N4X	NEMA 4X	RCPT	RECEPTACLE				
INT	INTEGRAL WITH EQUIPMENT	NF	NON-FUSED						
ELECTRICAL SYSTEM									
TAG	DESCRIPTION	NAME/PLATE LOAD	VOLTAGE	PH	MINIMUM KALC	FEEDER OR BRANCH CIRCUIT	PANEL - CKT	FURNISHED BY / INSTALLED BY	REMARKS
AAP-1/2	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 5	EC/EC	
AAP-3/4	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 7	EC/EC	
AAP-5	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 9	EC/EC	
AAP-6	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 11	EC/EC	
AAP-7	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 13	EC/EC	
AAP-8	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 15	EC/EC	
AC-1	AIR CURTAIN	1/2 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	NL1 - 20	EC/EC	
AHU-1(R)	AIR HANDLING UNIT RETURN FANS	24.8 MCA	480 V	3	10	(3)#8, (1)#10G IN 3/4"C	EQH1 - 21,23,25	EC/EC	
AHU-1(S)	AIR HANDLING UNIT SUPPLY FANS	47.3 MCA	480 V	3	10	(3)#6, (1)#10G IN 1"C	EQH1 - 13,15,17	EC/EC	
AHU-1(U)	AIR HANDLING UNIT UV LIGHTS	3.3 MCA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 36	EC/EC	
AHU-1(X)	AIR HANDLING UNIT ACCESSORIES	13.3 MCA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 38	EC/EC	
AHU-2(C)	AIR HANDLING UNIT CDO MOTOR	4.0 MCA	480 V	3	10	(3)#12, (1)#12G IN 3/4"C	EQH1 - 30,32,34	EC/EC	
AHU-2(R)	AIR HANDLING UNIT RETURN FANS	24.8 MCA	480 V	3	10	(3)#8, (1)#10G IN 3/4"C	EQH1 - 22,24,26	EC/EC	
AHU-2(S)	AIR HANDLING UNIT SUPPLY FANS	47.3 MCA	480 V	3	10	(3)#6, (1)#10G IN 1"C	EQH1 - 14,16,18	EC/EC	
AHU-2(U)	AIR HANDLING UNIT UV LIGHTS	3.3 MCA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 40	EC/EC	
AHU-2(X)	AIR HANDLING UNIT ACCESSORIES	13.3 MCA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 42	EC/EC	
B-1	HOT WATER BOILER	4.5 FLA	208 V	3	5	(3)#12, (1)#12G IN 3/4"C	EQ1 - 1,3,5	EC/EC	
B-2	HOT WATER BOILER	4.5 FLA	208 V	3	5	(3)#12, (1)#12G IN 3/4"C	EQ1 - 2,4,6	EC/EC	
CH-1	AIR-COOLED CHILLER	359 MCA	480 V	3	65	2 SETS OF (3)#300 KCMIL, (1)#1G IN 2-1/2"C	MDP - 19,21,23	EC/EC	
CP-1	RECIRCULATION PUMP	2.2 hp	208 V	3	5	(2)#10, (1)#10G IN 3/4"C	EQ1 - 15,17,19	EC/EC	
CU-1	SPLIT SYSTEM HEAT PUMP	25.0 MCA	208 V	1	5	(2)#10, (1)#10G IN 3/4"C	EQ1 - 20,22	EC/EC	
CU-2	SPLIT SYSTEM HEAT PUMP	25.0 MCA	208 V	1	5	(2)#10, (1)#10G IN 3/4"C	NL1 - 41,43	EC/EC	
CU-3	SPLIT SYSTEM HEAT PUMP	25.0 MCA	208 V	1	5	(2)#10, (1)#10G IN 3/4"C	NL1 - 45,47	EC/EC	
CU-4	SPLIT SYSTEM HEAT PUMP	25.0 MCA	208 V	1	5	(2)#10, (1)#10G IN 3/4"C	NL1 - 49,51	EC/EC	
CU-5	SPLIT SYSTEM HEAT PUMP	25.0 MCA	208 V	1	5	(2)#10, (1)#10G IN 3/4"C	NL1 - 53,55	EC/EC	
CUH-1	CABINET UNIT HEATER	5.8 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	NL2 - 57	EC/EC	
CUH-2	CABINET UNIT HEATER	5.8 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	NL2 - 59	EC/EC	
DI-1	DEIONIZED WATER GENERATOR	-	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 31	EC/EC	
EF-1	EXHAUST FAN	1 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 33	EC/EC	
EF-2	EXHAUST FAN	1 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 35	EC/EC	
EF-3	EXHAUST FAN	1 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 37	EC/EC	
EF-4	EXHAUST FAN	1 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 39	EC/EC	
EF-5	EXHAUST FAN	1 hp	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 16,18	EC/EC	
EUH-1	ELECTRIC UNIT HEATER	24.0 FLA	120 V	1	5	(2)#10, (1)#10G IN 3/4"C	RCPT		
GT-1	GLYCOL TANK	-	120 V	1	5	(2)#12, (1)#12G IN 12"C	RCPT		
GV	GAS SHUT-OFF VALVE	0.5 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 27	EC/EC	
GWH-1	FUEL FIRED WATER HEATER	3.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 21	EC/EC	
GWH-2	FUEL FIRED WATER HEATER	3.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 23	EC/EC	
HUM-1	ELECTRIC STEAM HUMIDIFIER	78.5 FLA	480 V	3	18	(3)#2, (1)#6G IN 1-1/4"C	NH1 - 1,3,5	EC/EC	
HUM-2	ELECTRIC STEAM HUMIDIFIER	78.5 FLA	480 V	3	18	(3)#2, (1)#6G IN 1-1/4"C	NH1 - 2,4,6	EC/EC	
HWP-1	HEATING HOT WATER PUMP	7.5 hp	480 V	3	5	(3)#12, (1)#12G IN 3/4"C	EQH1 - 38,40,42	EC/EC	
HWP-2	HEATING HOT WATER PUMP	7.5 hp	480 V	3	5	(3)#12, (1)#12G IN 3/4"C	EQH1 - 44,46,48	EC/EC	
MAC-1	MEDICAL AIR COMPRESSOR	6.0 FLA	480 V	3	5	(3)#12, (1)#12G IN 3/4"C	EQH1 - 7,9,11	EC/EC	
MCV-1	MIXING VALVE	0.5 FLA FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 43	EC/EC	
MVP-1	MEDICAL VACUUM PUMP	25.0 FLA	480 V	3	10	(3)#8, (1)#10G IN 3/4"C	EQH1 - 8,10,12	EC/EC	
PAC-1	INSTRUMENT AIR COMPRESSOR	27.0 FLA	480 V	3	10	(3)#8, (1)#10G IN 3/4"C	EQH1 - 2,4,6	EC/EC	
PAP-1	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 1	EC/EC	
SAP-1	MED GAS ALARM PANEL	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	LSL1 - 3	EC/EC	
SS-1	SPLIT SYSTEM EVAPORATOR	1.0 MCA	208 V	1	5	(2)#12, (1)#12G IN 11"C			
SS-2	SPLIT SYSTEM EVAPORATOR	1.0 MCA	208 V	1	5	(2)#12, (1)#12G IN 11"C			
SS-3	SPLIT SYSTEM EVAPORATOR	1.0 MCA	208 V	1	5	(2)#12, (1)#12G IN 11"C			
SS-4	SPLIT SYSTEM EVAPORATOR	1.0 MCA	208 V	1	5	(2)#12, (1)#12G IN 11"C			
SS-5	SPLIT SYSTEM EVAPORATOR	1.0 MCA	208 V	1	5	(2)#12, (1)#12G IN 11"C			
TP-2 (169)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 59	EC/EC	
TP-2 (171)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 57	EC/EC	
TP-2 (173)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 57	EC/EC	
TP-2 (175)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 59	EC/EC	
TP-2 (177)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 59	EC/EC	
TP-2 (182)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 59	EC/EC	
TP-2 (195)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 57	EC/EC	
TP-2 (198)	TRAP PRIMER	2.0 FLA	120 V	1	5	(2)#12, (1)#12G IN 12"C	EQ1 - 57	EC/EC	
WS-1	WATER SOFTENER	-	120 V	1	5	(2)#12, (1)#12G IN 12"C	RCPT		
NOTES:									
a. VERIFY/COORDINATE RATINGS FOR EQUIPMENT SUPPLIED BY THE SELECTED MANUFACTURER. WHERE RATINGS ARE OTHER THAN AS REQUIRED FOR SPECIFIED UNIT, DISCONNECTS, MOTOR, STARTERS, OVERCURRENT DEVICES AND RELATED REVISIONS SHALL BE PROVIDED ACCORDINGLY. THE CONTRACTOR THAT FURNISHES EQUIPMENT WITH RATINGS OTHER THAN AS NOTED SHALL BE RESPONSIBLE FOR COORDINATION AND COSTS FOR REVISIONS TO ACCOMMODATE SELECTED EQUIPMENT.									
b. FRACTIONAL HORSEPOWER SINGLE PHASE MOTORS SHALL BE PROVIDED WITH INTEGRAL OVERLOAD PROTECTION.									
c. DISCONNECTS SHALL BE FUSIBLE UNLESS NOTED OTHERWISE.									
d. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT TO EQUIPMENT AS INDICATED.									
e. LOCATE DISCONNECT AT EQUIPMENT PER NEC UNLESS NOTED OTHERWISE.									
f. EQUIPMENT IDS THAT END IN "X" INDICATE THERE ARE MULTIPLE UNITS THAT ARE IDENTICAL AND PROVIDED ON THE PROJECT. SEE PLANS FOR THE UNIQUE SEQUENTIAL DESIGNATION.									
REMARKS:									
1. UNIT POWERED THROUGH ASSOCIATED CONDENSING UNIT.									
2. REFER TO POWER PLANS FOR RECEPTACLE(S) AND CIRCUITS WHICH SERVE THIS UNIT.									
3. REFER TO ONE-LINE DIAGRAM FOR CONNECTIONS TO DISCONNECTS, VFDs, AND FANS.									

TERMINAL BOX SCHEDULE

Equipment Name	Panel	Circuit Number
TB-R-01	EOL1	54
TB-R-02	EOL1	54
TB-R-03	EOL1	54
TB-R-04	EOL1	54
TB-2-01	EOL1	56
TB-2-02	EOL1	56
TB-2-03	EOL1	56
TB-2-04	EOL1	56
TB-2-05	EOL1	56
TB-2-06	EOL1	56
TB-2-07	EOL1	56
TB-2-08	EOL1	56
TB-2-09	EOL1	56
TB-2-10	EOL1	56

GENERAL NOTES:

a. CONNECT 120V TERMINAL BOX CONTROL TRANSFORMER AND LOCAL DISCONNECT AS REQUIRED. DO NOT EXCEED TEN (10) TERMINAL BOXES PER CIRCUIT. COORDINATE WITH MECHANICAL CONTRACTOR AND CONTROLS VENDOR.

TERMINAL BOX SCHEDULE

Equipment Name	Panel	Circuit Number
TB-1-01	EOL1	58
TB-1-02	EOL1	58
TB-1-03	EOL1	58
TB-1-04	EOL1	58
TB-1-05	EOL1	58
TB-1-06	EOL1	58
TB-1-07	EOL1	58
TB-1-08	EOL1	58
TB-1-09	EOL1	58
TB-1-10	EOL1	58
TB-1-11	EOL1	60
TB-1-12	EOL1	60
TB-1-13	EOL1	60
TB-1-14	EOL1	60
TB-1-15	EOL1	60
TB-1-16	EOL1	60
TB-1-17	EOL1	60
TB-1-18	EOL1	60
TB-1-19	EOL1	60
TB-1-20	EOL1	60

LUMINAIRE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER OR APPROVED EQUIVALENT	CATALOG NUMBER OR APPROVED EQUIVALENT	SOURCE INFO	INPUT VA	VOLTAGE	REMARKS
				LUMENS	COLOR	CRI	
A1	2X4 RECESSED LED LENSED TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH DIFFUSE ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2GTL-4-30L-G210-LP840	LED	3000 lm	4000K	80 24 VA 277 V
A2	2X2 RECESSED LED LENSED TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH DIFFUSE ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2GTL-2-20L-G210-LP840	LED	2200 lm	4000K	80 19 VA 277 V
A3	2X4 RECESSED LED LENSED TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH DIFFUSE ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2GTL-4-48L-G210-LP840	LED	4800 lm	4000K	80 36 VA 277 V
A3E	2X4 RECESSED LED LENSED TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH DIFFUSE ACRYLIC LENS. 0-10V DIMMING DRIVER. 90-MINUTE EMERGENCY BATTERY BACKUP.	LITHONIA (COLUMBIA, METALUX)	2GTL-4-48L-G210-LP840-EL14L	LED	4800 lm	4000K	80 36 VA 277 V
A5	2X4 RECESSED LED LENSED TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH DIFFUSE ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2GTL-4-72L-G210-LP840	LED	7200 lm	4000K	80 54 VA 277 V
B1	2X4 RECESSED HIGH EFFICIENCY LED VOLUMETRIC TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH CENTER BASKET, DIFFUSE, SMOOTH ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2BLT4-30LHE-ADSM-EZ1-LP840	LED	3000 lm	4000K	80 23 VA 277 V
B2	2X4 RECESSED HIGH EFFICIENCY LED VOLUMETRIC TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH CENTER BASKET, DIFFUSE, SMOOTH ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2BLT4-40LHE-ADSM-EZ1-LP840	LED	4000 lm	4000K	80 30 VA 277 V
B3	2X4 RECESSED HIGH EFFICIENCY LED VOLUMETRIC TROFFER. COLD-ROLLED STEEL HOUSING, PAINTED AFTER FABRICATION, WITH CENTER BASKET, DIFFUSE, SMOOTH ACRYLIC LENS. 0-10V DIMMING DRIVER.	LITHONIA (COLUMBIA, METALUX)	2BLT4-48LHE-ADSM-EZ1-LP840	LED	4800 lm	4000K	80 35 VA 277 V
C1	LED RIBBON COVE LIGHT WITH ALUMINUM CHANNEL WITH FLAT, DIFFUSE FROSTED LENS. DIRECT INPUT 277V AC. PROVIDE LENGTHS AS REQUIRED AS SHOWN ON LIGHTING PLANS. PROVIDE POWER FEEDS, JUMPERS, REMOTE DRIVERS, AND ACCESSORIES AS REQUIRED. 1.5 W/FT, 200 LUMEN/FT.	ACOLYTE	RB-90-SWS220-1.540 & CHAS3-F-SV	LED	4000K	90	277 V
D1	4" DIAMETER RECESSED LED DOWNLIGHT. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. 0-10V DIMMING DRIVER.	GOTHAM (PRESCOLITE, PORTFOLIO)	EV04-40/10-AR-WD-LSS-MVOLT-EZ1	LED	1000 lm	4000K	85 9 VA 277 V
D4	4" DIAMETER RECESSED LED DOWNLIGHT. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. NARROW BEAM DISTRIBUTION. 0-10V DIMMING DRIVER.	GOTHAM (PRESCOLITE, PORTFOLIO)	EV04-40/15-AR-NR-LSS-MVOLT-EZ1	LED	1500 lm	4000K	85 15 VA 277 V
D5	6" DIAMETER RECESSED LED DOWNLIGHT. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. 0-10V DIMMING DRIVER.	GOTHAM (PRESCOLITE, PORTFOLIO)	EV06-60/20-AR-WD-LSS-MVOLT-GZ10	LED	2000 lm	4000K	85 20 VA 277 V
D8	4" DIAMETER RECESSED LED SHOWER-RATED DOWNLIGHT. NON-CONDUCTIVE DEAD FRONT TRIM. IP66 RATED ROOM SIDE, WET LOCATION LISTED. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. 0-10V DIMMING DRIVER.	GOTHAM	EV04SH-40/15-DFF-SMO-MVOLT-EZ10	LED	1300 lm	4000K	85 14 VA 277 V
D9	6" SQUARE RECESSED LED DOWNLIGHT. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. 0-10V DIMMING DRIVER.	GOTHAM (PRESCOLITE, PORTFOLIO)	EV06SQ-60/20-AR-FL-LSS-MVOLT-EZ1	LED	2000 lm	4000K	85 20 VA 277 V
D10	6" SQUARE RECESSED LED DOWNLIGHT. GALVANIZED STEEL HOUSING WITH ADJUSTABLE MOUNTING BARS. SERVICEABLE FROM BELOW CEILING. 0-10V DIMMING DRIVER.	GOTHAM (PRESCOLITE, PORTFOLIO)	EV06SQ-40/07-AR-FL-LSS-MVOLT-EZ1	LED	750 lm	4000K	85 8 VA 277 V
DA2	4.5" SQUARE RECESSED LED DOWNLIGHT FOR USE WITH 6" ARMSTRONG CEILING SYSTEM. CONFIRM CEILING SYSTEM TYPE WITH ARCHITECT PRIOR TO ORDERING FIXTURES. CONFIRM FIXTURE FINISHES WITH ARCHITECT PRIOR TO ORDERING.	USAI	B4SDTZ-24C3-40KS-90-S-GW-GW-NC5M-UNV-D6E	LED	2000 lm	4000K	80 24 VA 277 V
DA3	3" SQUARE RECESSED LED DOWNLIGHT FOR USE WITH HORIZONTAL WOOD SLAT ARMSTRONG CEILING SYSTEM. CONFIRM CEILING SYSTEM TYPE WITH ARCHITECT PRIOR TO ORDERING FIXTURES. CONFIRM FIXTURE FINISHES WITH ARCHITECT PRIOR TO ORDERING.	USAI	B3SCM-20X3-40KS-90-S-WH-BL-NC1-SB-UNV-D6E	LED	1400 lm	4000K	80 20 VA 277 V
H1	48" LED INDUSTRIAL STRIP FIXTURE. COLD-ROLLED STEEL HOUSING WITH SNAP-ON FROSTED, DIFFUSE LENS.	LITHONIA (COLUMBIA, METALUX)	ZL1N-48-5000LM-FST-MVOLT-40K-80CRI-RH	LED	5000 lm	4000K	80 34 VA 277 V
H1E	48" LED INDUSTRIAL STRIP FIXTURE. COLD-ROLLED STEEL HOUSING WITH SNAP-ON FROSTED, DIFFUSE LENS. 90-MINUTE EMERGENCY BATTERY BACKUP.	LITHONIA (COLUMBIA, METALUX)	ZL1N-48-5000LM-FST-MVOLT-40K-80CRI-E10WLP-CW	LED	5000 lm	4000K	80 34 VA 277 V
M1	2X4 RECESSED LED SURGICAL TROFFER. ANTIMICROBIAL FINISH. INSET-STYLE DOORFRAME WITH CLOSED-CELL SILICONE GASKET. SYMMETRIC/ASYMMETRIC DIFFUSE ACRYLIC LENS. UL WET LOCATION LISTED. IP66 RATED. 0-10V DIMMING DRIVER.	KENALL (KURTZON, HEALTHCARE LIGHTING)	M4SEDI-24-100L-40K9-DCC-27-2F-2H-SYM	LED	12000 lm	4000K	90 114 VA 277 V
M2	1X4 RECESSED LED SURGICAL TROFFER. ANTIMICROBIAL FINISH. INSET-STYLE DOORFRAME WITH CLOSED-CELL SILICONE GASKET. SYMMETRIC DIFFUSE ACRYLIC LENS. UL WET LOCATION LISTED, IP66 RATED. 0-10V DIMMING DRIVER. W/DM-20-DX CAPABILITY.	KENALL (KURTZON, HEALTHCARE LIGHTING)	M4SEDI-14-76L-40K9-DCC-27-2F-2H-SYM	LED	7600 lm	4000K	90 85 VA 277 V
P3	DECORATIVE LED PENDANT. 13.5" DIAMETER GLOBE GLASS SHADE. SMOKE FINISH GLASS WITH SATIN NICKEL HARDWARE. INTEGRAL DIM-TO-WARM LED. 6' FIELD-CUTTABLE CABLE.	TECH LIGHTING	700-2D-PLNPK-S-LEDWD	LED	680 lm	3000K	90 10 VA 120 V
P4	DECORATIVE LED PENDANT. 32" DIAMETER, EXTRUDED AND ROLLED RECTANGULAR ALUMINUM LOOP WITH FLEXIBLE SILICON DIFFUSER.	KUZCO LIGHTING	PD1132-BK	LED	4500 lm	3000K	90 60 VA 120 V
SW1	EXTERIOR WALL MOUNTED LED SCENE. DIE-CAST ALUMINUM HOUSING WITH VISUAL COMFORT, WIDE THROW OPTICS. POWDER COAT FINISH. IP66 RATED. WET LOCATION LISTED. FULLY CUTOFF, ZERO UPLIGHT. ARCHITECT TO CONFIRM FINISH PRIOR TO ORDERING.	LITHONIA (HUBBELL)	WDGE2-P5-40K-80CRI-VW-MVOLT-DBDXB	LED	6000 lm	4000K	80 48 VA 277 V
SW1E	EXTERIOR WALL MOUNTED LED SCENE. DIE-CAST ALUMINUM HOUSING WITH VISUAL COMFORT, WIDE THROW OPTICS. POWDER COAT FINISH. IP66 RATED. WET LOCATION LISTED. FULLY CUTOFF, ZERO UPLIGHT. 90-MINUTE EMERGENCY BATTERY BACKUP. ARCHITECT TO CONFIRM FINISH PRIOR TO ORDERING.	LITHONIA (HUBBELL)	WDGE2-P5-40K-80CRI-VW-MVOLT-E20WH-DBDXB	LED	6000 lm	4000K	80 48 VA 277 V
UC1	18" LENGTH, LED UNDERCABINET FIXTURE. EXTRUDED ALUMINUM HOUSING WITH ANTIMICROBIAL FINISH. EXTRUDED, FROSTED ACRYLIC LENS. CLOSED-CELL EPDM GASKET SEALS BETWEEN LENS AND END CAPS.	KENALL (FAIL-SAFE)	MAUCLED-18M-11L40K-18-277	LED	1200 lm	4000K	80 15 VA 277 V
UC2	24" LENGTH, LED UNDERCABINET FIXTURE. EXTRUDED ALUMINUM HOUSING WITH ANTIMICROBIAL FINISH. EXTRUDED, FROSTED ACRYLIC LENS. CLOSED-CELL EPDM GASKET SEALS BETWEEN LENS AND END CAPS.	KENALL (FAIL-SAFE)	MAUCLED-18M-11L40K-24-277	LED	1300 lm	4000K	80 15 VA 277 V
W1	48" WALL MOUNTED LED PATIENT HEADWALL FIXTURE. DIRECT/INDIRECT DISTRIBUTION, AMBIENT AND READING MODES. SEPARATELY CONTROLLED UP/DOWN LED COMPARTMENTS. ALUMINUM HOUSING WITH ANTIMICROBIAL FINISH, AND UV-STABILIZED FROSTED ACRYLIC LENS. 0-10V DIMMING DRIVER.	KENALL (FAIL-SAFE)	MPWU48-MV-11-45L-40KS-DIM1-DV	LED	11000 lm	4000K	82 93 VA 277 V
W9	CONTEMPORARY LED VANITY LIGHT. BRONZE FINISH WITH RECTANGULAR WHITE GLASS SHADE.	TECH LIGHTING	700BCMET-2-90-277	LED	1150 lm	3000K	90 25 VA 277 V
X1	UNIVERSAL, MOUNT LED EDGE-LIT EXIT SIGN. MINIMUM 90-MINUTE BATTERY BACKUP. ACRYLIC PANELS WITH GREEN LETTERING. UL204 LISTED. REFERENCE LISTING PLANS FOR LOCATIONS, NUMBER OF FACES, AND DIRECTIONAL CHEVRONS.	LITHONIA (DUAL-LITE, SURE-LITES)	EDGE-LEDGR-1-2-G-GRM-EL	LED			3 VA 277 V
NOTES:							
a. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LUMINAIRE.							
b. CONTRACTOR TO VERIFY LUMINAIRE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING.							
c. LISTED ALTERNATE MANUFACTURERS ARE PERMITTED TO BID AN EQUIVALENT LUMINAIRE WHICH COMPLIES WITH THE PRODUCT REQUIREMENTS IDENTIFIED IN THIS SCHEDULE AND THE SPECIFICATIONS WITHOUT SUBMITTING A PRIOR APPROVAL.							
d. REQUEST, ALTERNATE LUMINAIRE WILL BE REVIEWED DURING THE SUBMITTAL PROCESS AND THE MANUFACTURER WILL BE RESPONSIBLE TO PROVIDE A LUMINAIRE WHICH MEETS THE PRODUCT REQUIREMENTS. WHERE AN ALTERNATE MANUFACTURER IS NOT LISTED, A PRIOR APPROVAL, RECORD SET, MUST BE SUBMITTED IN ACCORDANCE WITH THE SPECIFICATIONS IN ORDER TO BID THAT MANUFACTURER'S PRODUCT.							
e. PROVIDE VIBRATION DAMPER IN POLE FIXTURES GREATER THAN 10'.							
f. GALVANIZE THE INTERIOR AND EXTERIOR OF POLES. PRIME AND PAINT EXTERIOR WITH A MINIMUM OF 3 MILS OF TIGC POWDERS.							
g. REMOVE PLASTIC WRAP FROM POLES ONCE RECEIVED ON SITE. STORE POLES OUT OF STANDING WATER OR VEGETATION.							
REMARKS:							
1. ALTERNATE FIXTURES ARE NOT ACCEPTABLE.							
2. PROVIDE DIRECTIONAL ARROWS AS SHOWN ON PLANS. AND PROVIDE MOUNTING AS SHOWN ON PLANS.							

2/7/2024 10:13:03 AM

Distribution Panel: MDP

Location: ELEC 197										Volts: 480Y/277V										K.A.I.C. Rating: 65									
Supply From: MOUNTING: SURFACE										Phases: 3										Mains Type: MCB									
Enclosure: Type 1										Wires: 4										Mains / Design Rating: 1200 A									
Phase Created: New Construction										Bus Rating: 1200 A																			
Notes	CKT NO.	Circuit Description			Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description			CKT NO.	Notes								
	1							4,023	0											2									
	3	ATS-LS1			Other; Spare; R; E; L	150 A	3			4,287	0			3	60 A	--	SURGE PROTECTION DEVICE (SPD)			4									
	5												3,703	0						6									
	7							13,048	22,616											8									
	9	ATS-CR1			Spare; R; L	225 A	3			11,806	19,040			3	225 A	Spare; R; E; L	ATS-CR2			10									
	11												13,243	19,940						12									
	13							100.0...	112.4...											14									
	15	ATS-EQ1			Spare; R; E; M	400 A	3			101.7...	111.2...			3	400 A	Spare; R; E; L	NH1			16									
	17												100.1...	114.0...						18									
	19							72,333	--											20									
	21	CHILLER CH-1			M	500 A	3			72,333	--			3	--	--	BUSSED SPACE			22									
	23												72,333	--						24									
	25							--	--											26									
	27	BUSSED SPACE			--	--	3			--	--			3	--	--	BUSSED SPACE			28									
	29							--	--											30									
	31							--	--											32									
	33	BUSSED SPACE			--	--	3			--	--			3	--	--	BUSSED SPACE			34									
	35							--	--											36									
	37							--	--											38									
	39	BUSSED SPACE			--	--	3			--	--			3	--	--	BUSSED SPACE			40									
	41																			42									
								Total Load:		324,569 VA		320,460 VA		323,421 VA															
								Total Amps:		1173 A		1157 A		1169 A															
Load Classification					Connected Load			Demand Factor			NEC Demand Load			Phase Balance			Panel Totals												
L	Lighting				17,027 VA			0 VA			125.00%			21,284 VA			99 % A-B 100 % B-C 100 % C-A Connected Load (VA): 968,451 VA NEC Demand Load (VA): 820,422 VA Connected Load (A): 1165 A NEC Demand Load (A): 987 A Spare Capacity (A): 213 A Spare Capacity (%): 18												
C	Continuous				0 VA			0.00%			0 VA																		
R	Total Receptacle Load				10,000 VA			100%			10,000 VA																		
	152,500 VA				Remaining			50%			71,250 VA																		
M	Total Motor Load				142,500 VA			0 VA			0.00%			0 VA															
	393,600 VA				Largest Motor			0.00%			0 VA																		
E	Equipment				393,600 VA			100.00%			393,600 VA																		
	393,600 VA				Remaining			100.00%			393,600 VA																		
A	Appliance				405,180 VA			80.00%			324,144 VA																		
					0 VA			0.00%			0 VA																		
LC	Load Center (# of ...)				0			0 VA			0.00%			0 VA															
Notes:																													

Branch Panel: NH1

Location: ELEC 197							Volts: 480Y/277V							K.A.I.C. Rating: 65						
Supply From: MDP							Phases: 3							Mains Type: MCB						
Mounting: SURFACE							Wires: 4							Mains / Design Rating: 400 A						
Enclosure: Type 1														Bus Rating: 400 A						
Phase Created: New Construction																				
Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes			
	3	HUM-1	E	100 A	3	21,767	21,767					3	100 A	E	HUM-2	2				
	5							21,767	21,767							4				
	7					16,810	14,140				17,260	14,660				6				
	9	T-NL1	Spare; R; E; L	70 A	3			15,400	14,320				3	70 A	R; E	T-NL2	8			
	11															10				
	13					16,000	16,000									12				
ST	15	STERILIZER STEAM GEN.	E	80 A	3			16,000	16,000				3	80 A		STERILIZER STEAM GEN.	14			
	17									16,000	16,000					16				
	19	SPACE FOR SHUNT TRIP	--	--	1	--	--					1	--	--		SPACE FOR SHUNT TRIP	20			
	21							2,000	2,000							22				
ST	23	STERILIZER POWER	E	20 A	3					2,000	2,000	3	20 A	E		STERILIZER POWER	24			
	25					2,000	2,000									26				
	27	SPACE FOR SHUNT TRIP	--	--	1			--	--			1	--	--		SPACE FOR SHUNT TRIP	28			
	29										0	0				30				
	31	SPARE	--	60 A	3		0	0		0	0	3	60 A	--		SPARE	32			
	33							0	0							34				
	35	LTG. PARKING LOT NORTH	L	20 A	1					1,105	0	1	20 A	--		SPARE	36			
	37	LTG. PARKING LOT SOUTH	L	20 A	1	1,105	0					1	20 A	--		SPARE	38			
	39	LTG. OR & STAFF SUPPORT	L	20 A	1			1,484	0			1	20 A	--		SPARE	40			
	41	LTG. PREP/RECOVERY & GI	L	20 A	1					1,217	0	1	20 A	--		SPARE	42			
	43	LTG. LOBBY & ADMIN	L	20 A	1	894	--					1	--	--		BUSSED SPACE	44			
	45	LTG. MAIN ENTRY...	L	20 A	1			520	--			1	--	--		BUSSED SPACE	46			
	47	LTG. COURTYARD &...	L	20 A	1					240	--	1	--	--		BUSSED SPACE	48			
	49	BUSSED SPACE	--	--	1	--	--					1	--	--		BUSSED SPACE	50			
	51	BUSSED SPACE	--	--	1	--	--	--	--			1	--	--		BUSSED SPACE	52			
	53	BUSSED SPACE	--	--	1					--	--	1	--	--		BUSSED SPACE	54			
	55	BUSSED SPACE	--	--	1	--	0									SPARE PROTECTION DEVICE (SPD)	56			
	57	BUSSED SPACE	--	--	1			--	0			3	30 A	--			58			
	59	BUSSED SPACE	--	--	1					--	0						60			
Total Load:						112,482 VA	407 A	111,257 VA	402 A	114,015 VA	412 A									
Total Amps:																				
Load Classification			Connected Load		Demand Factor		NEC Demand Load		Phase Balance		Panel Totals									
L	Lighting		6,655 VA		125.00%		8,319 VA													
C	Continuous		0 VA		0.00%		0 VA		99 % A-B		Connected Load (VA): 337,755 VA									
R	1st 10,000 VA		10,000 VA		100%		10,000 VA		98 % B-C		NEC Demand Load (VA): 260,439 VA									
	59,200 VA		Remaining		49,200 VA		50%		24,600 VA		99 % C-A		Connected Load (A): 406 A							
M	Total Motor Load		Largest Motor		0 VA		0.00%		0 VA				NEC Demand Load (A): 313 A							
	0 VA		Remaining		0 VA		0.00%		0 VA				Spare Capacity (A): 87 A							
E	Equipment		271,900 VA		80.00%		217,520 VA				Spare Capacity (%): 22									
A	Appliance		0 VA		0.00%		0 VA													
LC	Load Center (# of ...)		0		0 VA		0.00%		0 VA											
Notes:																				
ST - PROVIDE COMPONENTS FOR SHUNT TRIP BREAKER																				

Branch Panel: NL1																
Location: ELEC 197					Volts: 208Y/120V					K.A.I.C. Rating: 10						
Supply From: T-NL1					Phases: 3					Mains Type: MCB						
Mounting: SURFACE					Wires: 4					Mains / Design Rating: 150 A						
Enclosure: Type 1										Bus Rating: 150 A						
Phase Created: New Construction																
Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A	B	C	Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes		
	1	REC: 172, 174, 176	R	20 A	1	720	720		1	20 A	R	REC: HEADWALL 124	2			
	3	REC: 176, 178	R	20 A	1		900	720	1	20 A	R	REC: HEADWALL 126	4			
	5	REC: 171	R	20 A	1			720	720	1	20 A	R	REC: HEADWALL 128	6		
	7	REC: 175, 177	R	20 A	1	720	1,080		1	20 A	R	REC: 171, 182	8			
	9	REC: 173, 198, 199	R	20 A	1		360	1,200	1	20 A	E	J-BOX: STERILIZER CTRLS	10			
	11	REC: 186	R	20 A	1			900	1,200	1	20 A	E	J-BOX: STERILIZER CTRLS	12		
	13	REC: 190, 191	R	20 A	1	1,080	360		1	20 A	R	REC: 195	14			
	15	REC: 192 WRKSTN	R	20 A	1		720	180	1	20 A	R	REC: ELEC ROOM 197	16			
	17	REC: 192	R	20 A	1			1,080	600	1	20 A	R	LIGHTING CONTROL PANEL	18		
	19	REC: ROOF EAST	R	20 A	1	720	1,500		1	20 A	E	AC-1	20			
	21	REC: ROOF WEST	R	20 A	1		720	180	1	20 A	R	REC: 168 TIMECLOCK	22			
	23	J-BOX: MONUMENT SIGN	E	20 A	1			600	1,080	1	20 A	R	REC: 187 WIREMOLD	24		
	25	LTG: LOBBY PENDANTS	L	20 A	1	90	1,080		1	20 A	R	REC: 187 WIREMOLD	26			
	27	J-BOX: BUILDING SIGNAGE	E	20 A	1		360	900	1	20 A	R	REC: 187 WIREMOLD	28			
	29	J-BOX: BUILDING SIGNAGE	E	20 A	1			360	900	1	20 A	R	REC: 187 WIREMOLD	30		
	31	SPARE	--	20 A	1	0	0		1	20 A	--	SPARE	32			
	33	SPARE	--	20 A	1		0	0	1	20 A	--	SPARE	34			
	35	SPARE	--	20 A	1			0	0	1	20 A	--	SPARE	36		
	37	SPARE	--	20 A	1	0	0		1	20 A	--	SPARE	38			
	39	SPARE	--	20 A	1		0	0	1	20 A	--	SPARE	40			
	41	CU-2 & SS-2	E	30 A	2	2,080	0		2,080	0	2	40 A	--	SPARE	42	
	43															
	45	CU-3 & SS-3	E	30 A	2		2,080	2,500			2	40 A	E	EV CHARGING STATION	46	
	47								2,080	2,500						
	49	CU-4 & SS-4	E	30 A	2	2,080	2,500				2	40 A	E	EV CHARGING STATION	50	
	51						2,080	2,500								
	53	CU-5 & SS-5	E	30 A	2	2,080	0		2,080	0	2	40 A	--	SPARE	54	
	55															
	57	SPARE	--	30 A	2		0	--		1	--	--	BUSSED SPACE	58		
	59							0	--	1	--	--	BUSSED SPACE	60		
	61	BUSSED SPACE	--	--	1	--	--			1	--	--	BUSSED SPACE	62		
	63	BUSSED SPACE	--	--	1	--	--			1	--	--	BUSSED SPACE	64		
	65	BUSSED SPACE	--	--	1	--	--		--	--	1	--	BUSSED SPACE	66		
	67	BUSSED SPACE	--	--	1	--	--			1	--	--	BUSSED SPACE	68		
	69	BUSSED SPACE	--	--	1	--	--			1	--	--	BUSSED SPACE	70		
	71	BUSSED SPACE	--	--	1	--	--			1	--	--	BUSSED SPACE	72		
						Total Load:	16,810 VA	15,400 VA	16,900 VA							
						Total Amps:	142 A	128 A	143 A							
Load Classification													Panel Totals			
L	Lighting			90 VA		125.00%		113 VA				Connected Load (VA): 49,110 VA NEC Demand Load (VA): 39,181 VA Connected Load (A): 136 A NEC Demand Load (A): 109 A Spare Capacity (A): 41 A Spare Capacity (%): 27				
C	Continuous			0 VA		0.00%		0 VA								
R	Total Receptacle Load	1st 10,000 VA		10,000 VA		100%		10,000 VA								
M	Total Motor Load	Largest Motor		7,160 VA		50%		3,580 VA								
		0 VA		0 VA		0.00%		0 VA								
E	Equipment			31,860 VA		80.00%		25,488 VA								
A	Appliance			0 VA		0.00%		0 VA								
LC	Load Center (# of ...)	0		0 VA		0.00%		0 VA								
Notes:																

Branch Panel: NL2															
Location: ELEC 179					Volts: 208Y/120V					K.A.I.C. Rating: 10					
Supply From: T-NL2					Phases: 3					Mains Type: MCB					
Mounting: SURFACE					Wires: 4					Mains / Design Rating: 150 A					
Enclosure: NEMA 1										Bus Rating: 150 A					
Phase Created: New Construction															
Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A	B	C	Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes	
	1	REC: 105 COPIER	R	20 A	1	1,000	720		1	20 A	R	REC: HEADWALL 115	2		
	3	REC: 105	R	20 A	1		540	720	1	20 A	R	REC: HEADWALL 117	4		
	5	REC: 105 SHREDDER	R	20 A	1			1,080	720	1	20 A	R	REC: HEADWALL 121	6	
	7	REC: 102 COUNTER	R	20 A	1	540	720		1	20 A	R	REC: HEADWALL 125	8		
	9	REC: 102, 103, 104	R	20 A	1		1,260	900	1	20 A	R	REC: TV 121 & 125	10		
	11	REC: 100	R	20 A	1			720	720	1	20 A	R	REC: HEADWALL 127	12	
	13	REC: 101, 112, 113	R	20 A	1	1,080	720		1	20 A	R	REC: HEADWALL 116	14		
	15	REC: 100 EWC	R	20 A	1		1,000	720	1	20 A	R	REC: HEADWALL 133	16		
	17	REC: 100B COUNTER	R	20 A	1			800	360	1	20 A	R	REC: 118 COUNTER	18	
	19	REC: 100B TV & BENCH	R	20 A	1	720	900		1	20 A	R	REC: 122, 132	20		
	21	REC: 111	R	20 A	1		900	900	1	20 A	R	REC: 135, 137	22		
	23	REC: 109	R	20 A	1			1,080	720	1	20 A	R	REC: 137, 164	24	
	25	J-BOX: 110 BADGE MAKER	E	20 A	1	0	720		1	20 A	R	REC: HEADWALL 132	26		
	27	REC: 108	R	20 A	1		360	720	1	20 A	R	REC: HEADWALL 134	28		
	29	REC: 108	R	20 A	1			360	720	1	20 A	R	REC: HEADWALL 136	30	
	31	REC: 107, 114, 131	R	20 A	1	1,080	720		1	20 A	R	REC: HEADWALL 138	32		
	33	REC: 151	R	20 A	1		720	720	1	20 A	R	REC: HEADWALL 142	34		
	35	REC: 152	R	20 A	1			1,260	720	1	20 A	R	REC: HEADWALL 144	36	
	37	REC: 153, 150 TV	R	20 A	1	1,080	720		1	20 A	R	REC: HEADWALL 146	38		
	39	REC: 154, 155	R	20 A	1		720	180	1	20 A	R	REC: 166 COUNTER	40		
	41	REC: 156	R	20 A	1			1,260	180	1	20 A	R	REC: 166 COFFEE	42	
	43	REC: 157	R	20 A	1	720	180		1	20 A	R	REC: 166 ICE WATER	44		
	45	REC: 148, 167, 169	R	20 A	1		1,080	180	1	20 A	R	REC: 166 DISHWASHER	46		
	47	REC: 165	R	20 A	1			900	180	1	20 A	R	REC: 166 DISPOSAL	48	
	49	REC: 163	R	20 A	1	900	180		1	20 A	R	REC: 166 COUNTER	50		
	51	REC: 161	R	20 A	1		900	180	1	20 A	R	REC: 166 COUNTER	52		
	53	REC: 162	R	20 A	1			900	180	1	20 A	R	REC: 166 MICROWAVE	54	
	55	REC: 129	R	20 A	1	900	180		1	20 A	R	REC: 166 MICROWAVE	56		
	57	CUH-1	E	20 A	1		720	900	1	20 A	R	REC: 166, 166 TV	58		
	59	CUH-2	E	20 A	1			720	360	1	20 A	R	REC: 166 BENCH	60	
	61	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	62		
	63	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	64		
	65	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	66		
	67	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	68		
	69	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	70		
	71	BUSSED SPACE	--	--	1	--	--		1	--	--	BUSSED SPACE	72		
Total Load:						13,780 VA	14,320 VA	13,940 VA							
Total Amps:						115 A	120 A	116 A							
Load Classification													Panel Totals		
L	Lighting	0 VA		0.00%		0 VA						97 % A-B 98 % B-C 99 % C-A	Connected Load (VA): 42,040 VA NEC Demand Load (VA): 26,452 VA Connected Load (A): 117 A NEC Demand Load (A): 73 A Spare Capacity (A): 77 A Spare Capacity (%): 51		
C	Continuous	0 VA		0.00%		0 VA									
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%		10,000 VA									
M	Total Motor Load	Remaining	30,600 VA	50%		15,300 VA									
		Largest Motor	0 VA	0.00%		0 VA									
		Remaining	0 VA	0.00%		0 VA									
E	Equipment	1,440 VA		80.00%		1,152 VA									
A	Appliance	0 VA		0.00%		0 VA									
LC	Load Center	(# of ...)	0	0 VA		0.00%		0 VA							
Notes: 1. G - GFI BREAKER															

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Inverter: LI-1

Location: EM ELEC ROOM 196
Supply From: CRH1
Mounting: FLOOR
Enclosure: TYPE 1
Phase Created: New Construction

Input Voltage: 277V SINGLE
Output Voltage: DUAL OUTPUT 277V/120V
Phases: 1
Wires: 2

Design Size: 4,800 VA
Run Time (Mins): 90

RELAY NO	Circuit Description	Load Classification	Trip	Poles	Load	Notes
1	LTG: OR#1	L	20 A	1	456 VA	277V
2	LTG: OR#2	L	20 A	1	456 VA	277V
3	LTG: OR#3	L	20 A	1	456 VA	277V
4	SPARE	--	20 A	1	0 VA	277V
5	SPARE	--	20 A	1	0 VA	277V
6	LTG: GI PROCEDURE	L	20 A	1	340 VA	277V
7	SPARE	--	20 A	1	0 VA	277V
8	J-BOX: OR#1 BOOM EXAM LIGHT	L	20 A	1	300 VA	120V
9	J-BOX: OR#2 BOOM EXAM LIGHT	L	20 A	1	300 VA	120V
10	J-BOX: OR#3 BOOM EXAM LIGHT	L	20 A	1	300 VA	120V
11	SPARE	--	20 A	1	0 VA	120V
12	SPARE	--	20 A	1	0 VA	120V

Panel Totals						
Total Connected Load (VA): 2,608 VA						
Total Demand Load @ 1.25 (VA): 3,260 VA						
Spare Capacity (VA): 1,540 VA						

Notes:
BASIS OF DESIGN IS DUAL-LITE 1.5N D-SERIES SINGLE-PHASE, DUAL-VOLTAGE-OUTPUT LIGHTING INVERTER, WITH INTERNAL BYPASS.
CATALOG NUMBER: D077-4BS120/277-A200SU-C200V1-BIS
ARRANGE OUTPUT BREAKERS WITH (7) 277V BREAKERS IN POSITION 1-7, AND (5) 120V BREAKERS IN POSITION 8-12.

Isolation Panel: OR3A

Location: OR 3 185
Supply From: CRH1
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	B		C		Poles	Trip	Load Class	Circuit Description	CKT
1	REC: OR#3 SOUTHWEST	R	20 A	1	360 VA	360 VA			1	20 A	R	OR#3 BOOM 1: RCPT CKT 1	2
3	REC: OR#3 WEST	R	20 A	1			540 VA	360 VA	1	20 A	R	OR#3 BOOM 1: RCPT CKT 3	4
5	REC: OR#3 NORTH	R	20 A	1	540 VA	360 VA			1	20 A	R	OR#3 BOOM 1: DISPLAY MONITOR	6
7	REC: OR#3 EAST & CLOCK	R	20 A	1			360 VA	360 VA	1	20 A	R	OR#3 BOOM 1: CTRLS & BRAKE	8
9	REC: OR#3 SOUTHEAST	R	20 A	1	360 VA	360 VA			1	20 A	R	OR#3 STRYKER BOX	10
11	REC: OR#3 SOUTH	R	20 A	1			360 VA	180 VA	1	20 A	R	REC: OR#3 ROBOT	12
13	SPARE	--	20 A	1	0 VA	180 VA			1	20 A	R	REC: OR#3 ROBOT	14
15	SPARE	--	20 A	1			0 VA	360 VA	1	20 A	R	REC: OR#3 INTEGRATION...	16

Total Load:	2,520 VA	2,520 VA
Total Amps:	11 A	11 A
Phase Balance	0 % B-A	0 % C-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,040 VA
R Receptacle	5,040 VA	100.00%	5,040 VA	Total Est. Demand: 5,040 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment				Spare Capacity: 20 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR3B" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Isolation Panel: OR3B

Location: OR 3 185
Supply From: CRH2
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	B		C		Poles	Trip	Load Class	Circuit Description	CKT
1	REC: OR#3 EAST	R	20 A	1	360 VA	360 VA			1	20 A	R	OR#3 BOOM 1: RCPT CKT 2	2
3	REC: OR#3 SOUTH	R	20 A	1			540 VA	360 VA	1	20 A	R	OR#3 BOOM 1: RCPT CKT 4	4
5	REC: OR#3 ENDO CART	R	20 A	1	540 VA	360 VA			1	20 A	R	OR#3 BOOM 2: DISPLAY MONITOR	6
7	REC: OR#3 WEST	R	20 A	1			360 VA	360 VA	1	20 A	R	OR#3 BOOM 2: CTRLS & BRAKE	8
9	REC: OR#3 NORTH	R	20 A	1	540 VA	360 VA			1	20 A	R	OR#3 STRYKER BOX	10
11	J-BOX: STRYKER BOX	E	20 A	1			500 VA	180 VA	1	20 A	R	REC: OR#3 ROBOT	12
13	SPARE	--	20 A	1	0 VA	180 VA			1	20 A	R	REC: OR#3 ROBOT	14
15	SPARE	--	20 A	1			0 VA	360 VA	1	20 A	R	REC: OR#3 INTEGRATION...	16

Total Load:	2,700 VA	2,660 VA
Total Amps:	11 A	11 A
Phase Balance	0 % B-A	0 % C-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,360 VA
R Receptacle	4,860 VA	100.00%	4,860 VA	Total Est. Demand: 5,260 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment	500 VA	80.00%	400 VA	Spare Capacity: 19 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR3A" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Isolation Panel: OR1A

Location: OR 1 181
Supply From: CRH1
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	A	B	Poles	Trip	Load Class	Circuit Description	CKT	
1	REC: OR#1 SOUTHWEST	R	20 A	1	360 VA	360 VA		1	20 A	R	OR#1 BOOM 1: RCPT CKT 1	2
3	REC: OR#1 WEST	R	20 A	1		540 VA	360 VA	1	20 A	R	OR#1 BOOM 1: RCPT CKT 3	4
5	REC: OR#1 NORTH	R	20 A	1	540 VA	360 VA		1	20 A	R	OR#1 BOOM 1: DISPLAY MONITOR	6
7	REC: OR#1 EAST & CLOCK	R	20 A	1		360 VA	360 VA	1	20 A	R	OR#1 BOOM 1: CTRLS & BRAKE	8
9	REC: OR#1 SOUTHEAST	R	20 A	1	360 VA	360 VA		1	20 A	R	OR#1 STRYKER BOX	10
11	REC: OR#1 SOUTH	R	20 A	1		360 VA	180 VA	1	20 A	R	REC: OR#1 ROBOT	12
13	SPARE	--	20 A	1	0 VA	180 VA		1	20 A	R	REC: OR#1 ROBOT	14
15	SPARE	--	20 A	1		0 VA	360 VA	1	20 A	R	REC: OR#1 INTEGRATION...	16

Total Load:	2,520 VA	2,520 VA
Total Amps:	11 A	11 A
Phase Balance	100 % A-B	100 % B-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,040 VA
R Receptacle	5,040 VA	100.00%	5,040 VA	Total Est. Demand: 5,040 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment				Spare Capacity: 20 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR1B" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Isolation Panel: OR1B

Location: OR 1 181
Supply From: CRH2
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	A	B	Poles	Trip	Load Class	Circuit Description	CKT
1	REC: OR#1 EAST	R	20 A	1	360 VA 360 VA		1	20 A	R	OR#1 BOOM 1: RCPT CKT 2	2
3	REC: OR#1 SOUTH	R	20 A	1		540 VA 360 VA	1	20 A	R	OR#1 BOOM 1: RCPT CKT 4	4
5	REC: OR#1 ENDO CART	R	20 A	1	540 VA 360 VA		1	20 A	R	OR#1 BOOM 2: DISPLAY MONITOR	6
7	REC: OR#1 WEST	R	20 A	1		360 VA 360 VA	1	20 A	R	OR#1 BOOM 2: CTRLS & BRAKE	8
9	REC: OR#1 NORTH	R	20 A	1	540 VA 360 VA		1	20 A	R	OR#1 STRYKER BOX	10
11	J-BOX: STRYKER BOX	E	20 A	1		500 VA 180 VA	1	20 A	R	REC: OR#1 ROBOT	12
13	SPARE	—	20 A	1	0 VA 180 VA		1	20 A	R	REC: OR#1 ROBOT	14
15	SPARE	—	20 A	1		0 VA 360 VA	1	20 A	R	REC: OR#1 INTEGRATION...	16

Total Load:	2,700 VA	2,660 VA
Total Amps:	11 A	11 A
Phase Balance	99 % A-B	99 % B-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,360 VA
R Receptacle	4,860 VA	100.00%	4,860 VA	Total Est. Demand: 5,260 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment	500 VA	80.00%	400 VA	Spare Capacity: 19 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR1A" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Isolation Panel: OR2A

Location: OR 2 183
Supply From: CRH1
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	A	C	Poles	Trip	Load Class	Circuit Description	CKT	
1	REC: OR#2 SOUTHWEST	R	20 A	1	360 VA	360 VA		1	20 A	R	OR#2 BOOM 1: RCPT CKT 1	2
3	REC: OR#2 WEST	R	20 A	1		540 VA	360 VA	1	20 A	R	OR#2 BOOM 1: RCPT CKT 3	4
5	REC: OR#2 NORTH	R	20 A	1	540 VA	360 VA		1	20 A	R	OR#2 BOOM 1: DISPLAY MONITOR	6
7	REC: OR#2 EAST & CLOCK	R	20 A	1		360 VA	360 VA	1	20 A	R	OR#2 BOOM 1: CTRLS & BRAKE	8
9	REC: OR#2 SOUTHEAST	R	20 A	1	360 VA	360 VA		1	20 A	R	OR#2 STRYKER BOX	10
11	REC: OR#2 SOUTH	R	20 A	1		360 VA	180 A	1	20 A	R	REC: OR#2 ROBOT	12
13	SPARE	--	20 A	1	0 VA	180 VA		1	20 A	R	REC: OR#2 ROBOT	14
15	SPARE	--	20 A	1		0 VA	360 VA	1	20 A	R	REC: OR#2 INTEGRATION...	16

Total Load:	2,520 VA	2,520 VA
Total Amps:	11 A	11 A
Phase Balance	0 % A-B	100 % C-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,040 VA
R Receptacle	5,040 VA	100.00%	5,040 VA	Total Est. Demand: 5,040 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment				Spare Capacity: 20 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR2B" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Isolation Panel: OR2B

Location: OR 2 183
Supply From: CRH2
Mounting: Surface
Enclosure: Type 1

Volts: 480V PRI. - 120V SEC.
Phases: 1
Wires: 3
Transformer Size: 10 KVA

K.A.I.C. Rating: 10
Mains Type: MCB
Bus Rating: 30 A
MCB Rating: 30 A

CKT	Circuit Description	Load Class	Trip	Poles	A	C	Poles	Trip	Load Class	Circuit Description	CKT
1	REC: OR#2 EAST	R	20 A	1	360 VA 360 VA		1	20 A	R	OR#2 BOOM 1: RCPT CKT 2	2
3	REC: OR#2 SOUTH	R	20 A	1		540 VA 360 VA	1	20 A	R	OR#2 BOOM 1: RCPT CKT 4	4
5	REC: OR#2 ENDO CART	R	20 A	1	540 VA 360 VA		1	20 A	R	OR#2 BOOM 2: DISPLAY MONITOR	6
7	REC: OR#2 WEST	R	20 A	1		360 VA 360 VA	1	20 A	R	OR#2 BOOM 2: CTRLS & BRAKE	8
9	REC: OR#2 NORTH	R	20 A	1	540 VA 360 VA		1	20 A	R	OR#2 STRYKER BOX	10
11	J-BOX: STRYKER BOX	E	20 A	1		500 VA 180 VA	1	20 A	R	REC: OR#2 ROBOT	12
13	SPARE	--	20 A	1	0 VA 180 VA		1	20 A	R	REC: OR#2 ROBOT	14
15	SPARE	--	20 A	1		0 VA 360 VA	1	20 A	R	REC: OR#2 INTEGRATION...	16

Total Load:	2,700 VA	2,660 VA
Total Amps:	11 A	11 A
Phase Balance	0 % A-B	99 % C-A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L Lighting				
C Continuous				Total Conn. Load: 5,360 VA
R Receptacle	4,860 VA	100.00%	4,860 VA	Total Est. Demand: 5,260 VA
M Motor				Total Conn.: 11 A
LM Largest Motor				Total Est. Demand: 11 A
E Equipment	500 VA	80.00%	400 VA	Spare Capacity: 19 A
A Appliance				

Notes:
THIS SCHEDULE REPRESENTS ONE SIDE OF A DUPLEX ISOLATION PANELBOARD. "OR2A" IS THE OTHER SIDE.
ISOLATION PANELBOARDS ARE FITTED WITH (16) 2-POLE BREAKERS, NOT THE 1-POLE BREAKERS SHOWN ON THIS SCHEDULE. BRANCH CIRCUIT VOLTAGE IS 120V LINE-TO-LINE.
BASIS OF DESIGN IS BENDER "MIX" SERIES.

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
Job Number 3-22030
Drawn By AE
Checked By JB, AP</

2/7/2024 10:14:02 AM

BIN 360-J-22030 HCA LSMC ASC/BP - HCA LSMC_MEP_R21.rvt

SYMBOL TYPES								
NOTE: THIS IS A MASTER SYMBOLS LIST. ALL SYMBOLS, ABBREVIATIONS, ETC. MAY NOT NECESSARILY BE USED ON ALL DRAWINGS								
TELECOM SYMBOLS								
XX ▼	TELECOM DATA DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM DATA DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM DATA DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM ANALOG DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	
XX ▼	TELECOM ANALOG DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM ANALOG DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM DATA/ANALOG COMBINATION DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	XX ▼	TELECOM DATA/ANALOG COMBINATION DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	
XX ▼	TELECOM DATA/ANALOG COMBINATION DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.							
AUDIOVISUAL SYMBOLS								
Ⓢ	AV DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	AV DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	AV DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	AV CAMERA MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	
Ⓢ	AV CAMERA MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.							
SECURITY SYMBOLS								
Ⓢ	SECURITY DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	SECURITY DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	SECURITY DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	SECURITY CAMERA MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	
Ⓢ	SECURITY CAMERA MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.							
NURSE CALL SYMBOLS								
Ⓢ	NURSE CALL DEVICE MOUNTED ON WALL. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	NURSE CALL DEVICE MOUNTED ON FLOOR. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.	Ⓢ	NURSE CALL DEVICE MOUNTED ON CEILING. XX INDICATES TYPE. REFER TO SCHEDULE BELOW FOR DEVICE INFORMATION.			
SYSTEM TYPE	MOUNTING TYPE	TYPE	DESCRIPTION	MOUNTING	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	REFERENCE	COUNT
AUDIOVISUAL	CEILING	S1	LOUDSPEAKER FOR ROOM SYSTEM	CEILING	INTEGRAL TO LOUDSPEAKER BACKCAN (PROVIDED BY AV CONTRACTOR)	NA, PLENUM CABLING		28
AUDIOVISUAL	CEILING	S2	LOUDSPEAKER FOR ROOM SYSTEM, HARD CEILING	CEILING	4-11/16" SQUARE BACK BOX WITH BLANK COVER, 18" ABOVE CEILING	(1) 3/4" FLEX TO BACKBOX, (1) 3/4" BETWEEN DEVICES AND (1) 1" HOMERUN TO ROOM AV RACK		6
DATA DEVICE	CEILING	WAP	1-PORT TELECOM OUTLET IN CEILING FOR WIRELESS ACCESS POINT	-	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		17
DATA DEVICE	WALL	2	2-PORT TELECOM OUTLET	1'- 6" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		98
DATA DEVICE	WALL	TC	1-PORT DATA OUTLET FOR TIME CLOCK	4'- 0" AFF OR MATCH ELECTRICAL OUTLETS	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		1
DATA DEVICE	WALL	TV	1-PORT COAXIAL OUTLET FOR DISPLAY	4'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		7
DATA DEVICE	WALL	WP	1-PORT TELECOM OUTLET FOR WALL MOUNT PHONE	4'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		23
NURSE CALL	CEILING	CL	CORRIDOR LIGHT	CEILING	SURFACE MOUNT, COMPATIBLE WITH SINGLE AND DUAL GANG BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		30
NURSE CALL	CEILING	CZ	ZONE CORRIDOR LIGHT	CEILING	SURFACE MOUNT, COMPATIBLE WITH SINGLE AND DUAL GANG BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		9
NURSE CALL	CEILING	DD	DOMELESS DUTY	CEILING	4-11/16" SQUARE BOX, 2-1/2" DEEP, WITH 13/16" DEEP 1-DEVICE MUD RING, FLUSH MOUNTED	(1) 1" C TO ACCESSIBLE CEILING SPACE		11
NURSE CALL	DESKTOP	MS	AUDIO VISUAL NURSE MASTER STATION	DESKTOP	N/A - DESKTOP MOUNT	N/A - DESKTOP MOUNT		1
NURSE CALL	WALL	CS	STAFF ASSIST CODE STATION	4'- 0" AFF	4-11/16" SQUARE BOX, 3-1/2" DEEP, WITH 13/16" DEEP 1-DEVICE MUD RING, FLUSH MOUNTED	1" C TO NEAREST ACCESSIBLE CEILING		7
NURSE CALL	WALL	DS	DUTY STATION	4'- 0" AFF	SURFACE MOUNT, COMPATIBLE WITH SINGLE AND DUAL GANG BACK BOX	1" C TO NEAREST ACCESSIBLE CEILING		14
NURSE CALL	WALL	PS	SINGLE BED ENHANCED PATIENT STATION	4'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	1" C TO NEAREST ACCESSIBLE CEILING		17
SECURITY	CEILING	M	MOTION DETECTOR	-	N/A	N/A		9
SECURITY	WALL	AC	ACCESS CONTROL HEADEND PANEL	5'- 0" AFF	N/A, SURFACE MOUNT TO FIRE RATED PLYWOOD	N/A		2
SECURITY	WALL	D	DOOR POSITION SWITCH	-	N/A, RECESS INTO TOP OF DOOR FRAME 4" FROM STRIKE SIDE, UNO	(1) 3/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		9
SECURITY	WALL	DR	DOOR RELEASE BUTTON	UNDER DESK	N/A, SURFACE MOUNT TO UNDER SIDE OF DESK	(1) 3/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		1
SECURITY	WALL	ID	INTRUSION DETECTION HEADEND PANEL	5'- 0" AFF	N/A, SURFACE MOUNT TO FIRE RATED PLYWOOD	N/A		1
SECURITY	WALL	IK	INTRUSION DETECTION KEYPAD	4'- 0" AFF	4-11/16" SQUARE WITH 2-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1-1/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		1
SECURITY	WALL	IM	DOOR INTERCOM MASTER STATION	4'- 0" AFF	4-11/16" SQUARE WITH 2-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1-1/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		3
SECURITY	WALL	LB	LOCK DOWN BUTTON	-	N/A, SURFACE MOUNT TO UNDER SIDE OF DESK	(1) 3/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		1
SECURITY	WALL	PB	PANIC BUTTON	-	N/A, SURFACE MOUNT TO UNDER SIDE OF DESK	(1) 3/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		2
SECURITY	WALL	R	CARD READER	4'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 3/4" C STUBBED INTO NEAREST ACCESSIBLE CEILING		12
SECURITY	WALL	RM	CARD READER, MULLION MOUNT	4'- 0" AFF	N/A, GROMMETED HOLE THROUGH MULLION	(1) 3/4" C DROPPED 1" INTO MULLION ROUTED VERTICALLY WITH A 90° BEND ATTACHED TO DECK (SEE DETAILS)		2
SECURITY	WALL	V	VIDEO INTERCOM	4'- 0" AFF	4-11/16" SQUARE WITH 2-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C STUBBED INTO ACCESSIBLE CEILING		3
SECURITY CAMERA	CEILING	90	SURVEILLANCE CAMERA - INTERIOR 90 DEGREE	-	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C STUBBED INTO NEAREST ACCESSIBLE CEILING		12
SECURITY CAMERA	WALL	90	SURVEILLANCE CAMERA - EXTERIOR 90 DEGREE	8'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C STUBBED INTO NEAREST ACCESSIBLE CEILING		2
SECURITY CAMERA	WALL	270	SURVEILLANCE CAMERA - EXTERIOR 270 DEGREE	8'- 0" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C STUBBED INTO NEAREST ACCESSIBLE CEILING		6
TELECOM	WALL	1	1-PORT TELECOM OUTLET	1'- 6" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		1
TELECOM	WALL	3	3-PORT TELECOM OUTLET	1'- 6" AFF	4-11/16" SQUARE WITH 1-DEVICE MUD RING, FLUSH MOUNTED, 2-1/8" DEEP BACK BOX	(1) 1" C TO ACCESSIBLE CEILING SPACE		1

TECHNOLOGY SHEET LIST

T0.1	TECHNOLOGY LEGEND
T1.1	FIRST FLOOR TECHNOLOGY PLAN - OVERALL
T2.1	TECHNOLOGY DETAILS
T2.2	NURSE CALL DETAILS
T3.1	TECHNOLOGY SIGNAL FLOWS

ABBREVIATIONS

AC	ABOVE COUNTER
AF	ABOVE FINISHED FLOOR
C	CONDUIT
CF	CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
CFCI	CONTRACTOR FURNISHED AND OWNER INSTALLED
(E)	EXISTING
EF	ENTRANCE FACILITY
EF	EQUIPMENT ROOM
GND	GROUND
IG	ISOLATED GROUND
LAN	LOCAL AREA NETWORK
LC	LUCENT CONNECTOR
Mbps	MEGABITS PER SECOND
MM	MULTIMODE
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED AND OWNER INSTALLED
OSP	OUTSIDE CABLE PLANT
PBB	PRIMARY BONDING BUSBAR
PoE	POWER OVER ETHERNET
PoE+	POWER OVER ETHERNET PLUS
RU	RACK UNIT (1.75')
QTY	QUANTITY
SBT	SECONDARY BONDING BUSBAR
SEF	SERVICE ENTRANCE FACILITY
SM	SINGLE MODE
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
Typ	TYPICAL
UG	UNDERGROUND
UNO	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET
WP	WIRELESS ACCESS POINT
XC	CROSS-CONNECT

EQUIPMENT LEGEND

	FLAT PANEL DISPLAY. REFER TO DISPLAY TABLE BELOW FOR ANNOTATION DESCRIPTIONS.
	PROJECTION SCREEN. REFER TO DISPLAY TABLE BELOW FOR ANNOTATION DESCRIPTIONS.
	LADDER RACK
	4-POST RACK
	2-POST RACK
	WALL PANEL. "XX" INDICATES TYPE. CHECK ABBREVIATIONS LIST FOR TYPE.

GENERAL NOTES

- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- REFER TO ALL ARCHITECTURAL/ELECTRICAL/STRUCTURAL/CIVIL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
- PROVIDE PERMITS AND INSPECTIONS REQUIRED.
- SYSTEM SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
- CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND EQUIPMENT WILL NOT BE ACCEPTED AS REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS. ALL SYSTEMS SHALL BE COMPLETE AND FULLY OPERATIONAL.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.
- PROVIDE RECORD DRAWINGS TO THE ARCHITECT/ENGINEER. DRAWINGS SHALL INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.
- VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMERS PADS, SAW CUTTING AND PATCHING, CONCRETE PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO 90% COMPACTION AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
- THE DATA GIVEN ON THE DRAWING IS AS EXACT AS COULD BE SECURED. THE CONTRACTOR SHALL OBTAIN EXACT LOCATION, MEASUREMENTS, LEVELS, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT THE WORK TO THE ACTUAL CONDITIONS AT THE PROJECT SITE.
- VERIFY EXACT LOCATION OF EQUIPMENT SHALL BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
- ROUTE ALL WIRE AND CONDUIT CONCEALED. FOR ALL SYSTEMS, UNLESS NOTED OTHERWISE.
- ACCURATE RECORDS OF WORK MODIFICATIONS (AS-BUILTS) SHALL BE KEPT DAILY.
- THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL ENGINEERING REQUIREMENTS, THE OWNER'S DESIGN CRITERIA, UTILITY COMPANY REQUIREMENTS, APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY AND THE MANUFACTURER'S STRICTEST RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.
- VALIDATE ALL QUANTITIES. DEVICES SHOWN ON PLANS TAKE PRECEDENCE OVER SCHEDULE QUANTITIES.
- CARD READERS MUST BE WITHIN 6" OF DOOR FRAME, UNO.
- ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS INDICATED ON TECHNOLOGY DRAWINGS. DIMENSION TO CENTERLINE UNO. REFER TO ARCHITECTURAL DRAWINGS FOR STANDARD DEVICE MOUNTING HEIGHT DETAIL.

GENERAL INFRASTRUCTURE NOTES

- IF THE ENCLOSURE, BOXES AND CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCKOUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCKOUTS TO TERMINATE THE QUANTITY AND SIZE OF THE SPECIFIED CONDUITS.
- MAINTAIN MAXIMUM SEPARATION BETWEEN A SYSTEM CONDUIT AND ALL POWER CONDUIT.
- INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED UNLESS SPECIFICALLY IDENTIFIED IN THE DRAWINGS.
- COVER ALL INSTALLED JUNCTION BOXES AND MUD RINGS WITH BLANK COVER PLATES.
- ALL CONDUIT SHALL BE A MINIMUM DIAMETER OF 3/4" UNLESS NOTED OTHERWISE.
- ALL CONDUIT SHALL BE THIN-WALL, EMT UNLESS NOTED OTHERWISE. CONDUIT SIZES AND TERMINATION SHALL BE AS NOTED ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS.
- MAXIMUM OF TWO (2) OR 90 LINEAR FEET BETWEEN PULL BOXES. ADDITIONAL PULL BOXES NOT SHOWN ON DRAWINGS MAY BE REQUIRED. CONDUIT ROUTING IS AT THE ELECTRICAL CONTRACTOR'S DISCRETION.
- MOUNT BOXES ON WALLS AT THE HEIGHTS NOTED ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS IF ELECTRICAL BOXES ARE AT SIMILAR BUT DIFFERENT HEIGHTS. MOUNT BOXES TO MATCH ELECTRICAL BOX HEIGHTS. (18" AFF OR 48" AFF, ETC.). DIMENSIONS SHOWN ON THESE DRAWINGS ARE TO THE CENTER OF BOX UNLESS OTHERWISE NOTED. IF MOUNTING HEIGHTS WITH ELEC DOES NOT FOLLOW ADA OR OTHER APPLICABLE CODES OR STANDARDS, SUBMIT A RFQ FOR CLARIFICATION.
- PROVIDE NYLON BUSHINGS ON ALL CONDUIT STUBS AND NON-TERMINATED CONDUIT ENDS.

GENERAL AV INSTALLATION NOTES

- INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE ABOVE CEILINGS. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.

GENERAL GROUNDING NOTES

- ISOLATE ALL EQUIPMENT FROM CONDUIT AND BUILDING STEEL.
- GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI-TIA-EIA GROUNDING STANDARD AND APPLICABLE NEC REQUIREMENTS.
- ALL RACKS, METALLIC BACKBOARDS, CABLE TRAYS, SPLICE CASES, ETC. IN A TECHNICAL EQUIPMENT SPACE (EITHER RESIDING IN OR ENTERING/EXITING) SHALL BE GROUNDING TO THEIR RESPECTIVE GROUND SYSTEM USING A #6 AWG (MINIMUM) COPPER BONDING CONDUCTOR.
- ALL GROUND WIRES USED FOR TECHNICAL SYSTEM GROUNDING SHALL BE IDENTIFIED AT THEIR TERMINATION POINTS WITH GREEN WRAP/TAPE. THESE GROUNDS SHALL BE LABELED/IDENTIFIED AS "TECHNICAL POWER SYSTEM GROUND".

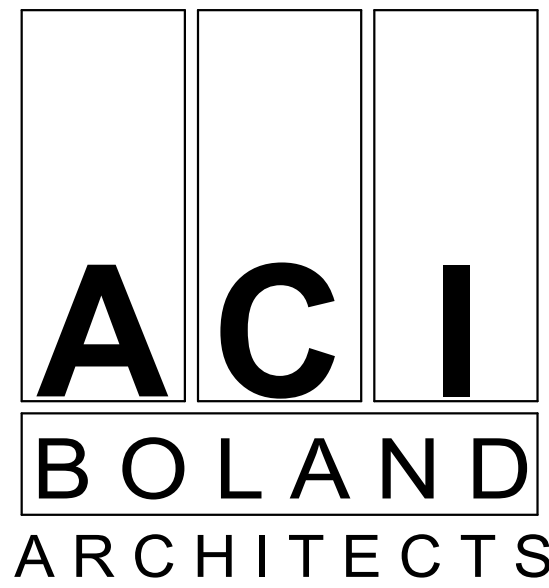
RESPONSIBILITY MATRIX

SYSTEM	SCOPE DESCRIPTION	SPECIFICATION SECTION	FURNISHED BY	INSTALLED BY
ALL LOW-VOLTAGE SYSTEMS	BACKBOXES AND CONDUIT	DIVISION 26	CONTRACTOR	CONTRACTOR
	GROUNDING BUSBAR	DIVISION 26	CONTRACTOR	CONTRACTOR
	GROUND AND BONDING TO EQUIPMENT	N/A	OWNER VENDOR	OWNER VENDOR
	DISCONTINUOUS PATHWAYS (J-HOOKS, RINGS)	N/A	OWNER VENDOR	OWNER VENDOR
COMMUNICATIONS	CONTINUOUS PATHWAYS (TRAY)	N/A	N/A	NOT IN CONTRACT
	CABLING	N/A	OWNER VENDOR	OWNER VENDOR
	FACEPLATES, CABLE TERMINATIONS AND TESTING	N/A	OWNER VENDOR	OWNER VENDOR
	RACKS, ENCLOSURES, LADDER TRAY	N/A	OWNER VENDOR	OWNER VENDOR
NETWORK ACTIVE DEVICES	WIRELESS ACCESS POINTS (WAPS)	N/A	OWNER	OWNER VENDOR
	NETWORK SWITCHES	N/A	OWNER	OWNER
	SERVERS / COMPUTERS / PHONES	N/A	OWNER	OWNER
	UPS AND PDU	N/A	OWNER	OWNER VENDOR
	CLOCKS	N/A	N/A	NOT IN CONTRACT
	MASS NOTIFICATION SYSTEM	DELEGATED	CONTRACTOR	CONTRACTOR
	DISTRIBUTED ANTENNA SYSTEM (RADIO / CELL REPEATER OR BOOSTER)	N/A	N/A	NOT IN CONTRACT
	AV			
AV	CABLING, FACEPLATES, CABLE TERMINATIONS AND TESTING	N/A	OWNER VENDOR	OWNER VENDOR
	AV CONFERENCING EQUIPMENT	N/A	OWNER VENDOR	OWNER VENDOR
	OPERATING ROOM AV EQUIPMENT	N/A	OWNER VENDOR	OWNER VENDOR
	CABLE / ANTENNA TELEVISION (CATV)	N/A	OWNER VENDOR	OWNER VENDOR
	PUBLIC ADDRESS SYSTEMS	N/A	OWNER VENDOR	OWNER VENDOR
	SOUND MASKING	N/A	N/A	NOT IN CONTRACT
	ELECTRONIC SECURITY			
	CABLING, FACEPLATES, CABLE TERMINATIONS AND TESTING	N/A	OWNER VENDOR	OWNER VENDOR
NURSE CALL	ENCLOSURES, HOUSINGS, POWER SUPPLIES	N/A	OWNER VENDOR	OWNER VENDOR
	ACCESS CONTROL - DOOR DEVICES	N/A	OWNER VENDOR	OWNER VENDOR
	ACCESS CONTROL - CONTROLLER / SERVER	N/A	OWNER VENDOR	OWNER VENDOR
	ENTRY INTERCOM	N/A	OWNER VENDOR	OWNER VENDOR
	SURVEILLANCE - CAMERAS	N/A	OWNER VENDOR	OWNER VENDOR
	SURVEILLANCE - RECORDING / SERVERS (NVR) AND LICENSES	N/A	OWNER VENDOR	OWNER VENDOR
	INTRUSION DETECTION (MOTION, GLASS BREAK)	N/A	OWNER VENDOR	OWNER VENDOR
	EXTERIOR / SITE SECURITY	N/A	N/A	NOT IN CONTRACT
	CABLING	27 52 23	CONTRACTOR	CONTRACTOR
	FACEPLATES, CABLE TERMINATIONS AND TESTING	27 52 23	CONTRACTOR	CONTRACTOR
	ENCLOSURES, HOUSINGS, POWER SUPPLIES	27 52 23	CONTRACTOR	CONTRACTOR
	DEVICES (PULL STATIONS, DOME LIGHTS)	27 52 23	CONTRACTOR	CONTRACTOR

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 2/8/2023
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4 10/5/23 ASI #1
8 2/7/24 ASI #4



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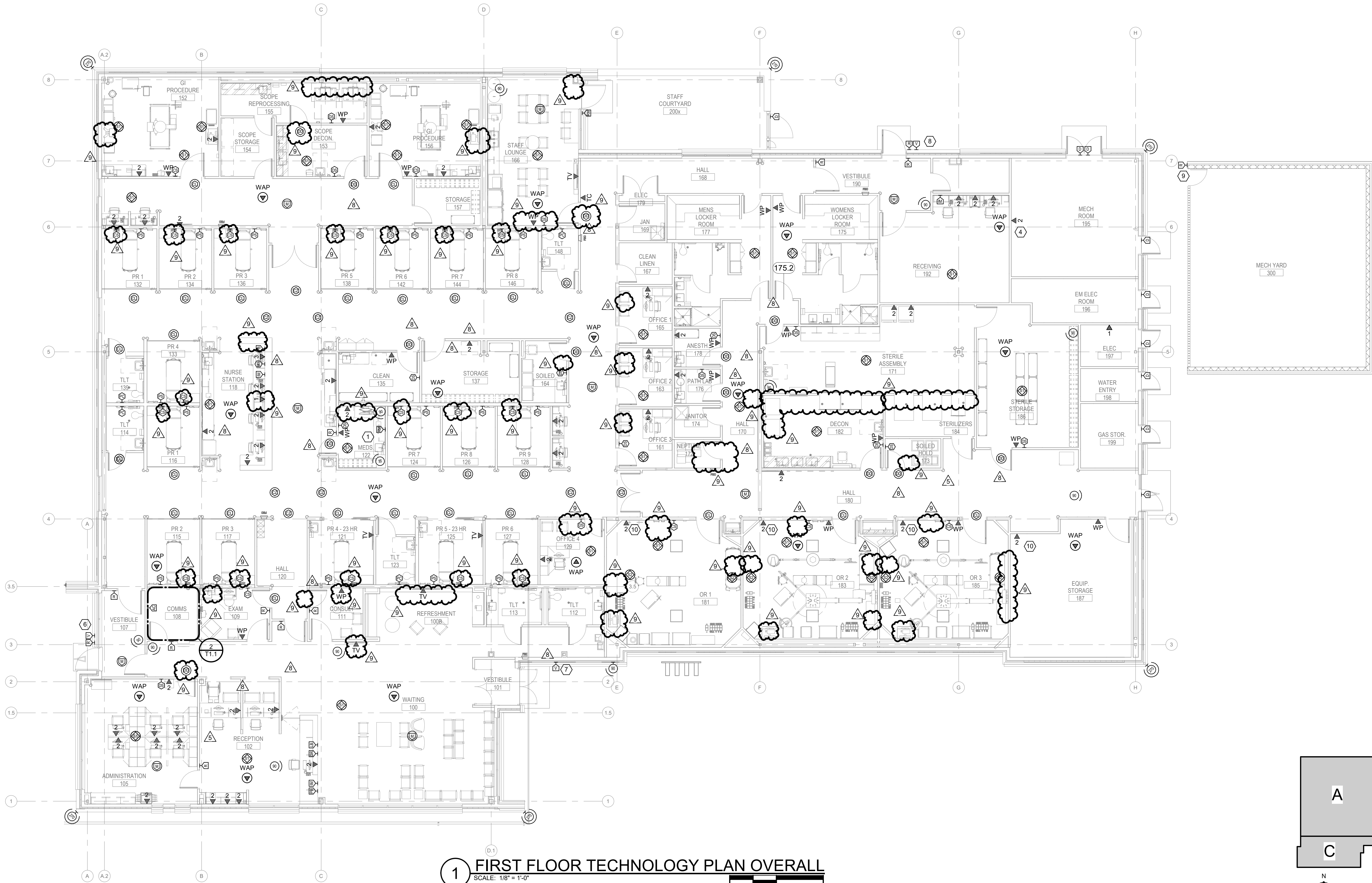
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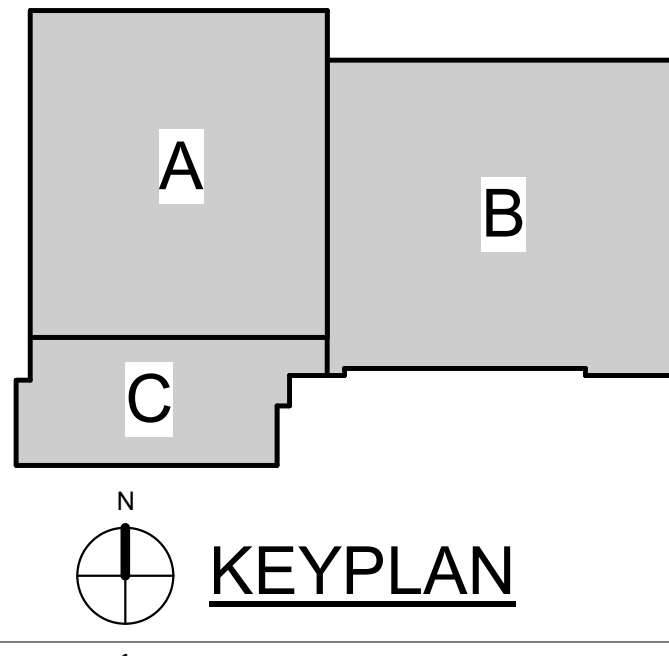
- KEY NOTES** (THIS SHEET)
- CONTRACTOR TO COORDINATE INFRASTRUCTURE FOR MED CABINET ACCESS CONTROL. BOTH UPPER CABINET DOORS SHALL BE PROTECTED WITH CARD READERS AND MAG-LOCKS. CONTRACTOR TO COORDINATE BACK BOX NEEDS FOR ACCESS CONTROL COMPONENTS TO ALLOW CARD READER ACCESS TO MED CABINETS. MED CABINET DOORS SHALL BE MONITORED USING DPS.
 - CONTRACTOR TO INSTALL (3) 4" CONDUITS WITH PULL STRING TO SERVICE PROVIDER VAULT FOR INCOMING SERVICES. REFERENCE ELECTRICAL SITE PLAN FOR CONDUIT FLOOR PENETRATION LOCATIONS. CONDUIT ROUTING TO BE DELEGATED DESIGN.
 - CONTRACTOR TO INSTALL 4" EZPATH SYSTEM FOR IT ROOM WALL PENETRATIONS. SIZED APPROPRIATELY FOR CABLE FILL OF CABLES BEING INITIALLY INSTALLED PLUS 25% GROWTH CAPABILITY FOR FUTURE CABLING.
 - CONTRACTORS TO COORDINATE DATA CABLING AND BACK BOX/CONDUIT LOCATIONS FOR BAS PANEL IN MECHANICAL ROOM.
 - CONTRACTOR TO PROVIDE ROOF PENETRATION FOR FUTURE DISTRIBUTED ANTENNA SYSTEM (DAS). REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION, SIZING, AND PENETRATION DETAILS.
 - DOOR INTERCOM SHALL NOTIFY NURSE STATION MASTER STATION FIRST, THEN RECEPTION MASTER STATION.
 - DOOR INTERCOM SHALL NOTIFY RECEPTION DESK MASTER STATION FIRST, THEN NURSE STATION MASTER STATION.
 - DOOR INTERCOM SHALL NOTIFY RECEIVING DESK MASTER STATION FIRST, THEN RECEPTION MASTER STATION.
 - INSTALL (1) 2" CONDUIT TO COMMS #108 FOR INFRASTRUCTURE PATHWAY FOR MECH YARD CARD READER.
 - NETWORK INFRASTRUCTURE FOR STRYKER COR LITE. CONTRACTOR TO COORDINATE CABLE ROUTING TO DEVICE.
 - APPROXIMATE LOCATION OF RAULAND BORG 5000 SERIES TERMINAL CABINET. REFER TO MANUFACTURER SPECIFICATIONS FOR MOUNTING REQUIREMENTS. CONFIRM FINAL MOUNTING LOCATION WITH OWNER PRIOR TO INSTALLATION.

- GENERAL NOTES** (THIS SHEET)
- PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS WITHIN I.T. #108. PLYWOOD IS TO COVER WALL TO WALL WITH NO GAPS. PLYWOOD SHALL BE PAINTED WITH FIRE-RATED PAINT TO MATCH ROOM COLOR.
 - NOTE RESPONSIBILITY MATRIX FOR EQUIPMENT TO BE INSTALLED UNDER THIS CONTRACT. LISTS AS "CONTRACTOR" VS. ITEMS FOR AN OWNER-DIRECT VENDOR OUTSIDE OF THIS CONTRACT. LABEL "OWNER VENDOR". SOME OF WHICH IS SHOWN ON PLANS FOR COORDINATION. BACK BOXES AND PATHWAY IS REQUIRED UNDER THIS CONTRACT FOR ALL SHOWN EQUIPMENT, REGARDLESS OF PARTY INSTALLING THE EQUIPMENT.
 - CONTRACTOR TO ENLIST FIRESTOPPING AGENT TO INSTALL ALL FIRESTOPPING AND PENETRATIONS. AGENT SHALL INSTALL EZ-PATH#4 FIRESTOPPING PENETRATIONS IN ALL SMOKE / FIREWALLS. MINIMUM OF TRIPLE BANK AT EACH PRIMARY PATHWAY PENETRATION AND ONE AT EACH SECONDARY PATHWAY PENETRATION. ALL OTHER NON-RATED PENETRATIONS SHALL BE NON-RATED EZ-PATH DEVICES USING SAME INSTALLATION METHODS AS RATED PENETRATIONS. COORDINATE WITH OWNER PRIOR FOR SIGN-OFF ON PENETRATION LOCATIONS AND QUANTITIES PRIOR TO INSTALLATION.
 - NETWORK AND DISTRIBUTION RACKS ARE SHOW FOR INFORMATION ONLY. COORDINATE FINAL RACK LAYOUT AND CONFIGURATION WITH OWNER IT AND OBTAIN SIGN-OFF PRIOR TO INSTALLATION. CONTRACTORS TO COORDINATE WITH OTHER TRADES AND OWNER FOR ALL RACK-MOUNTED EQUIPMENT AND POWER NEEDS AND INSTALL ACCORDINGLY.
 - CONTRACTOR TO COORDINATE WITH FINAL OR VENDOR SHOP DRAWINGS FOR LOW VOLTAGE INFRASTRUCTURE LOCATION REQUIREMENTS.
 - CONTRACTOR TO COORDINATE CABLE ROUTING WITH FURNITURE VENDOR.

2 ENLARGED COMMS 108
SCALE: 1/2" = 1'-0"



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



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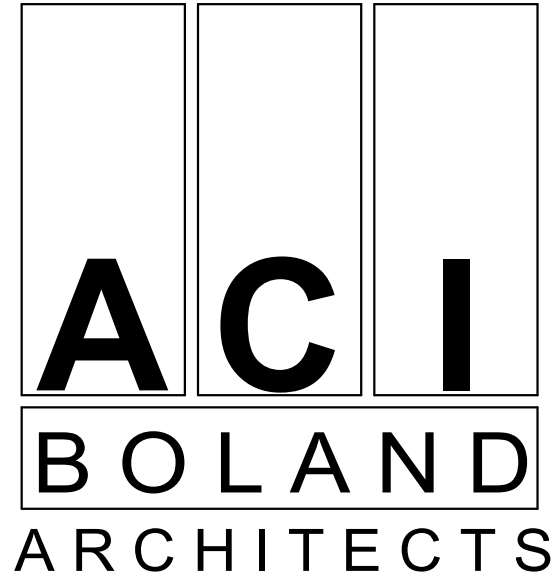
Date 2/8/2023
Job Number 3-22030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

T1.1
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FIRST FLOOR TECHNOLOGY
PLAN - OVERALL

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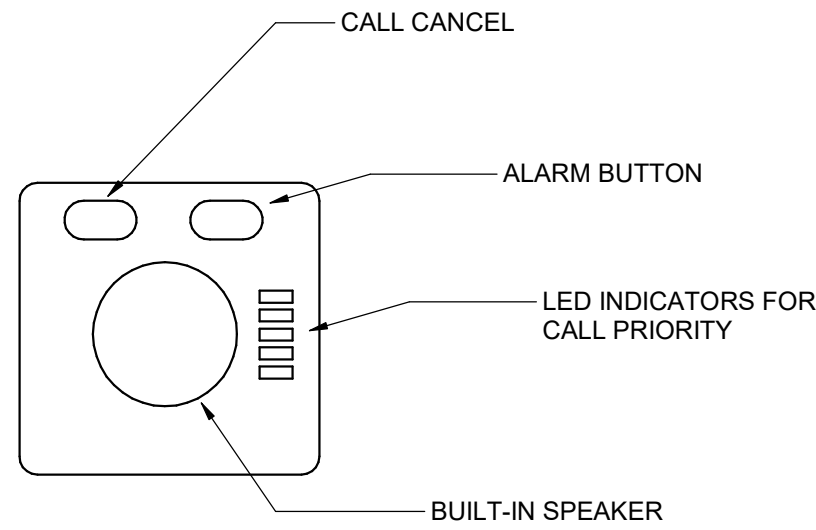
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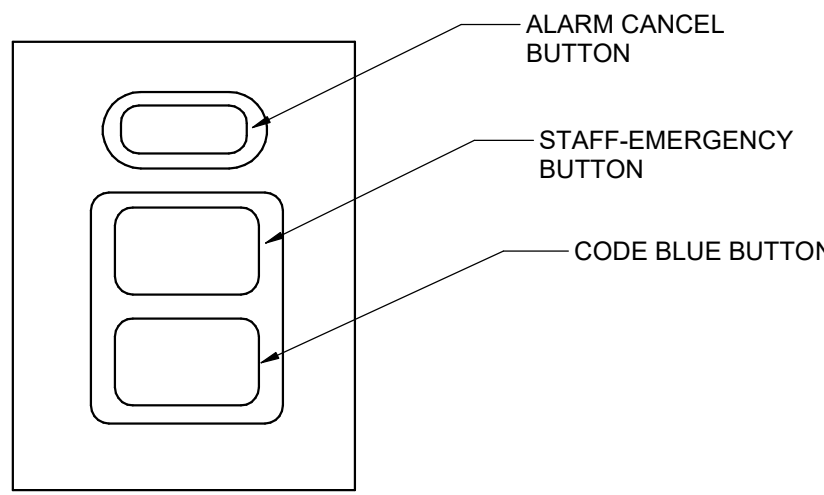
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Revision		
Number	Date	Description
8	2/7/24	ASI #4



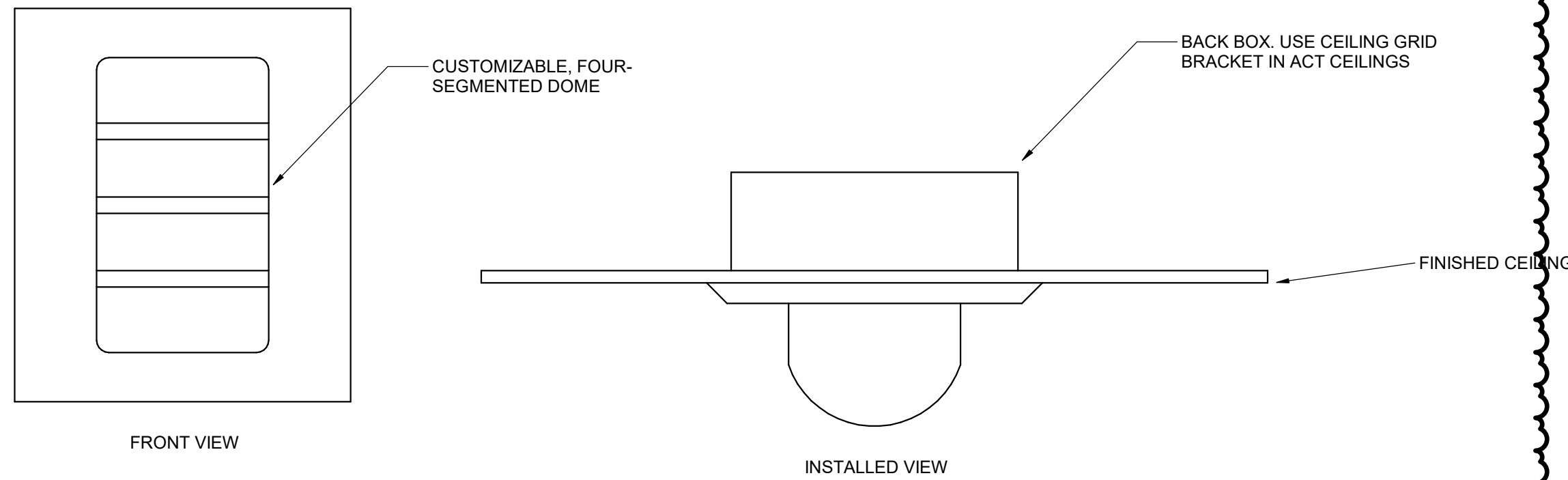
NOTES:
1. DOME COLORS ARE CUSTOMIZABLE FOR MANY DIFFERENT COLOR COMBINATIONS.
2. BUILT-IN SPEAKER CAPABLE OF PRODUCING MULTIPLE AUDIBLE ALERT TYPES.

7 R5KSDTY - R5K DUTY STATION
SCALE: NONE



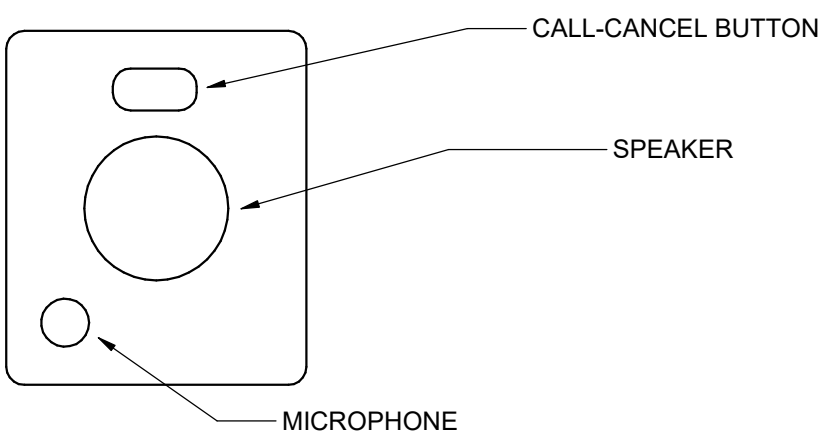
NOTES:
1. CALL ASSURANCE LED TO CONFIRM CALL HAS BEEN PLACED.
2. CONNECTS DIRECTLY TO DOME LIGHT OR PATIENT STATION.

6 R4KPB23 - R5K STAFF ASSIST CODE STATION
SCALE: NONE



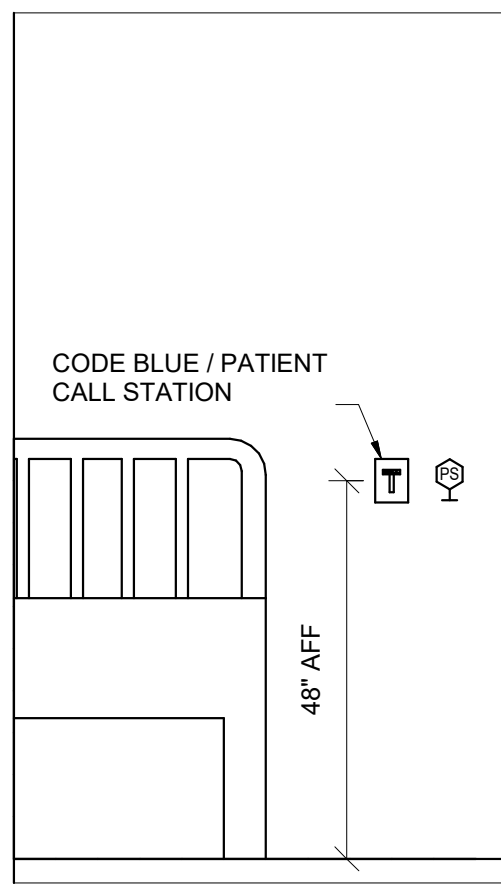
NOTES:
1. DOME COLORS ARE CUSTOMIZABLE FOR MANY DIFFERENT COLOR COMBINATIONS.
2. BUILT-IN BUZZER CAN BE ACTIVATED FOR MULTIPLE ALERT TYPES.

5 CLA246 - R5K CORRIDOR LIGHT/ZONE LIGHT 1 AUDIO 6PT
SCALE: NONE

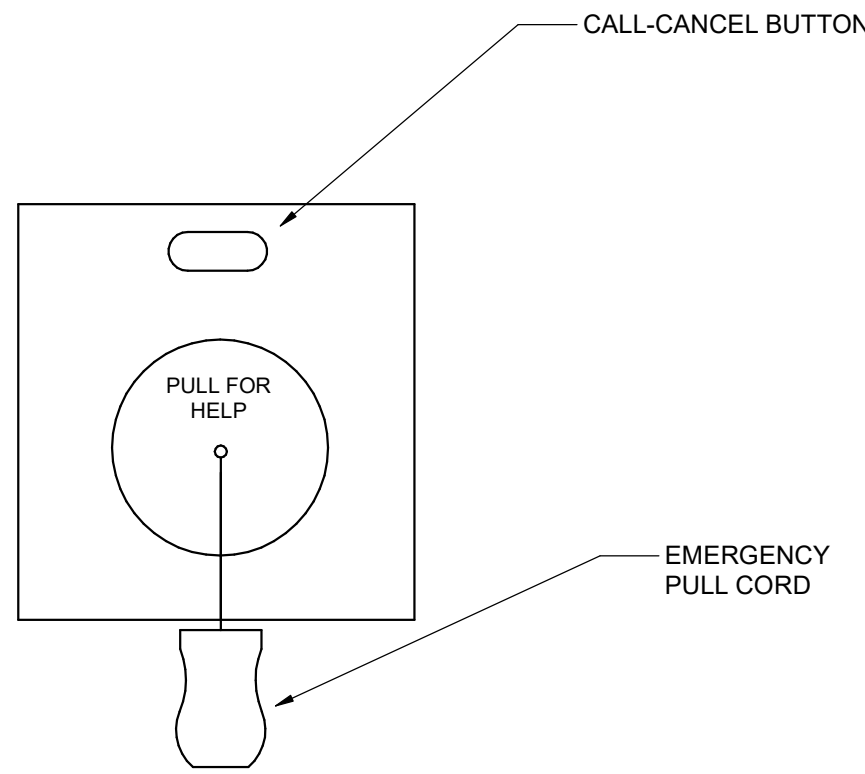


NOTES:
1. CALL ASSURANCE LED TO CONFIRM CALL HAS BEEN PLACED.
2. INTERFACES WITH CALL CORDS AND ENTERTAINMENT SPEAKERS.

2 R5KPS1EA - R5K SINGLE ENHANCED PATIENT STATION
SCALE: NONE

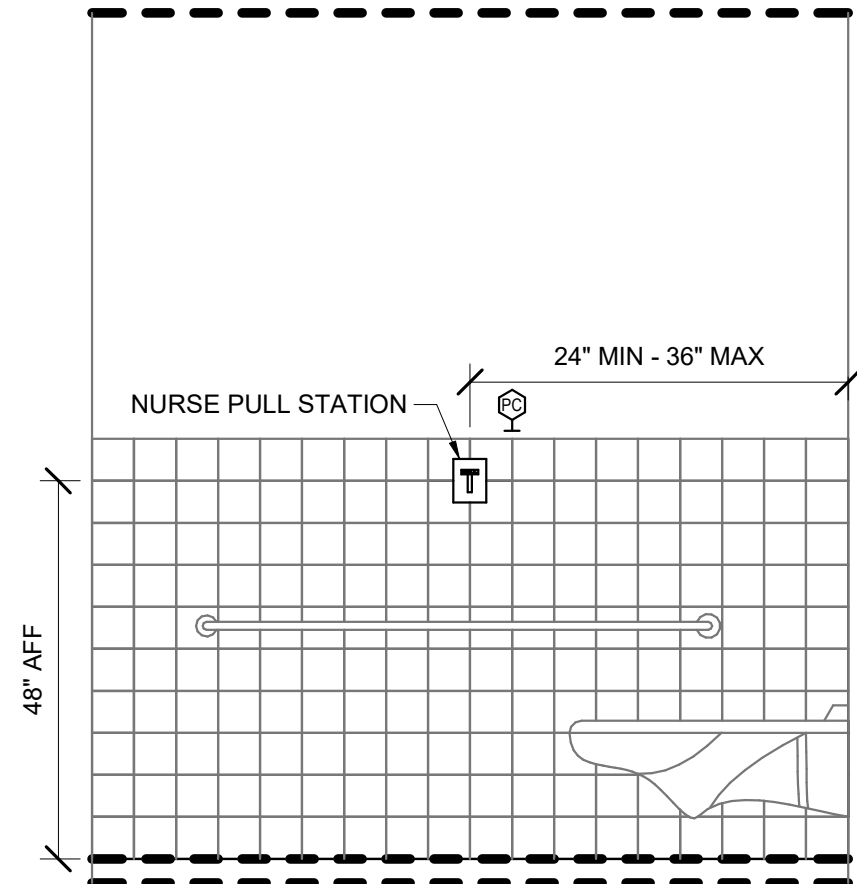


3 NURSE CALL BED PATIENT STATION
SCALE: NONE

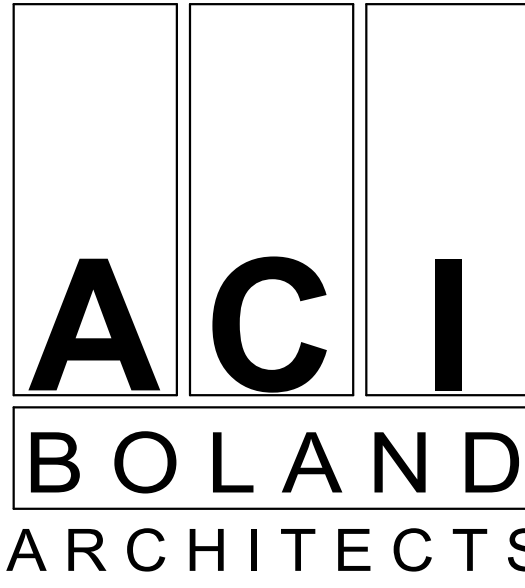


NOTES:
1. CALL ASSURANCE LED TO CONFIRM CALL HAS BEEN PLACED.
2. MUST MEET ADA REQUIREMENTS FOR MOUNTING HEIGHT AND CORD REACH.

4 R4KPC11 - R5K PULL CORD STATION
SCALE: NONE



1 NURSE CALL BATHROOM PULL STATION DETAIL
SCALE: NONE



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