



## FOUNTAINS DOCTOR'S OFFICE

CONSTRUCTION DOCUMENTS  
SEPTEMBER 29, 2017

GENERAL CONTRACTOR: PROBITY  
FOUNTAINS BLVD.  
MADISON, MS 39110

WBA #: 2217

**WIER BOERNER ALLIN**  
ARCHITECTURE

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WIER BOERNER ALLIN ARCHITECTURE, PLLC  
**FOUNTAINS DOCTOR'S OFFICE**  
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# 1. GENERAL PROJECT INFORMATION

OWNER: DIANA FOUNTAINS REAL ESTATE, LLC  
 CONTACT: WILSON LAFOE  
 PHONE: 601.605.0658, EXT 1  
 FAX: 601.668.9138  
 ADDRESS: 599 HIGHLAND COLONY PARKWAY, SUITE 120  
 RIDGELAND, MS 39157  
 EMAIL: jwafloe@dlrv.net

ARCHITECT: WIER BOERNER ALLIN, PLLC.  
 CONTACT: JAMIE WIER, AIA  
 PHONE: 601.321.9107  
 FAX: 601.321.9108  
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 SUITE 200  
 JACKSON, MS 39216  
 EMAIL: jwier@wba.ms

PROJECT NAME: FOUNTAINS DOCTORS OFFICE  
 ADDRESS: FOUNTAINS BLVD.  
 MADISON, MS 39110

BUILDING OFFICIAL: CITY OF MADISON BUILDING & PERMITS  
 CONTACT: KEN WILBANKS  
 PHONE: 601.856.6336  
 FAX: 601.856.2870  
 ADDRESS: 1004 MADISON AVENUE  
 MADISON, MS 39110  
 EMAIL: KWILBANKS@MADISONTHECITY.COM

# 2. APPLICABLE CODES

SCOPE	YEAR / CODE	AUTHORITY
BUILDING	2012 INTERNATIONAL BUILDING CODE	CITY OF MADISON, MS
ACCESSIBILITY	--	CITY OF MADISON, MS
LIFE SAFETY	--	CITY OF MADISON, MS
FIRE PREVENTION	NFPA 13 - 2013	CITY OF MADISON, MS
ENERGY	--	CITY OF MADISON, MS
ELECTRIC	--	CITY OF MADISON, MS
PLUMBING	2012 INTERNATIONAL CODE COUNCIL (ICC)	CITY OF MADISON, MS
MECHANICAL	--	CITY OF MADISON, MS
GAS	--	CITY OF MADISON, MS
ZONING	--	CITY OF MADISON, MS

# DESIGN DATA

1. WIND VELOCITY V = 115 MPH.
2. GROUND SNOW LOAD = PG < 5 PSF.
3. SEISMIC DESIGN CATEGORY = C
4. RISK CATEGORY = II

# 3. USE AND OCCUPANCY CLASSIFICATION

IBC CHAPTER 3 & IBC CHAPTER 4

SECTION 304.1 - OCCUPANCY BUSINESS GROUP B  
 SECTION 422 - AMBULATORY CARE FACILITIES

AMBULATORY CARE FACILITY - BUILDINGS OR PORTIONS THEREOF USED TO PROVIDE MEDICAL, SURGICAL, PSYCHIATRIC, NURSING OR SIMILAR, CARE ON A LESS THAN 24-HOUR BASIS TO INDIVIDUALS WHO ARE RENDERED INCAPABLE OF SELF-PRESERVATION BY THE SERVICES PROVIDED.

# 4. CONSTRUCTION TYPE AND FIRE-RESISTANCE RATINGS

IBC CHAPTER 6

SECTION 602.5 - TYPE V-B SPRINKLERED

FIRE-RESISTANCE RATINGS PER TABLE 601

STRUCTURAL FRAME	0 HR.
COLUMNS (SUPPORTING 1 FLOOR ONLY)	0 HR.
COLUMNS (SUPPORTING 1 ROOF ONLY)	0 HR.
BEAMS, ETC. (SUPP. COLUMNS, >1 FLR)	0 HR.
BEAMS, ETC. (SUPP. 1 FLOOR ONLY)	0 HR.
BEAMS, ETC. (SUPP. 1 ROOF ONLY)	0 HR.
EXT. BEARING WALLS (SUPP. >1 FLOOR)	0 HR.
EXT. BEARING WALLS (SUPP. 1 FLR ONLY)	0 HR.
EXT. BEARING WALLS (SUPP. 1 ROOF)	0 HR.
INT. BEARING WALLS (SUPP. >1 FLOOR)	0 HR.
INT. BEARING WALLS (SUPP. 1 FLOOR ONLY)	0 HR.
INT. BEARING WALLS (SUPP. 1 ROOF ONLY)	0 HR.
FLOOR CONSTRUCTION	0 HR.
ROOF CONSTRUCTION	0 HR.
EXTERIOR NON BEARING WALLS	0 HR.

# NOTES:

AS PER SECTION 422.2 SEPERATION WE ARE NOT REQUIRED TO PROVIDE FIRE PARTITIONS DUE TO THE FACT THAT WE WILL NEVER HAVE MORE THAN 1 PATIENT INCAPABLE OF SELF-PRESERVATION AT ANY TIME.

AS PER SECTION 422.3 SMOKE COMPARTMENTS WE ARE NOT REQUIRED TO PROVIDE SMOKE COMPARTMENTS DUE TO THE FACT THAT WE ARE BELOW AN AGGRAGATE AREA OF 10,000 SQUARE FEET.

# 5. FIRE PROTECTION SYSTEMS

IBC CHAPTER 4 & CHAPTER 9

SECTION 422.6 AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED FOR AMBULATORY CARE FACILITIES IN ACCORDANCE WITH SECTION 903.2.2.

BUILDING IS FULLY SPRINKLERED PER IBC SECTION 903.1

AS PER 422.7 FIRE ALARM SYSTEMS A FIRE ALARM SYSTEM SHALL BE PROVIDED FOR AMBULATORY CARE FACILITIES IN ACCORDANCE WITH SECTION 907.2.2.1.

# 6. HEIGHT / AREA LIMITATIONS

IBC CHAPTER 5

HEIGHT:	ALLOWABLE HEIGHT PER IBC TABLE 503	HEIGHT INCREASE PER IBC SECTION 504.2	TOTAL ALLOWABLE HEIGHT (ALLOWABLE HEIGHT + HEIGHT INCREASE)	ACTUAL HEIGHT	NOTES:
HEIGHT IN FEET	40'-0"	20'-0"	60'-0"	24.5'-0"	THE ACTUAL HEIGHT AND AREA FIT WITHIN TYPE V-B WITHOUT REQUIRING ADDITIONAL HEIGHT AND AREA INCREASES.
HEIGHT IN STORIES	2	1	3	1	

AREA:	ALLOWABLE AREA PER IBC TABLE 503	AREA INCREASE PER IBC 506.1	TOTAL ALLOWABLE AREA (ALLOWABLE AREA + AREA INCREASE)	ACTUAL AREA
BUILDING/FLOOR				
FIRST FLOOR	9,000	NOT USED	NOT USED	8,205
ATTIC	9,000	NOT USED	NOT USED	1,784
TOTAL BUILDING SF				9,989 SF

# 7. OCCUPANT LOAD

IBC CHAPTER 10 - SECTION 1004

NOTES:  
 SEE LIFE SAFETY PLANS FOR DETAILED OCCUPANCY LOAD INFORMATION

	OCCUPANTS	LEVEL COMPONENT 2' PER OCCUPANT		STAIR COMPONENT .3' PER OCCUPANT		NUMBER OF EXITS	
		MINIMUM	ACTUAL	MINIMUM	ACTUAL	MINIMUM	ACTUAL
FIRST FLOOR	82 OCCUPANTS	16.4 INCHES	84 INCHES	24.6 INCHES	78 INCHES	2	2
ATTIC	6 OCCUPANTS	1.2 INCHES	84 INCHES	1.8 INCHES	36 INCHES	1	1

# 8. EGRESS REQUIREMENTS

IBC CHAPTER 10 - TABLE 1005.1

# 9. EGRESS PATH

IBC CHAPTER 10

TRAVEL DISTANCE TABLE 1016.1 MAXIMUM	COMMON PATH SECTION 1014.3 MAXIMUM	DEAD END CORRIDOR SECTION 1017.3 MAXIMUM	CORRIDOR FIRE-RESISTANCE RATING TABLE 1017.1
300 FT	100 FT	50 FT	0 HR

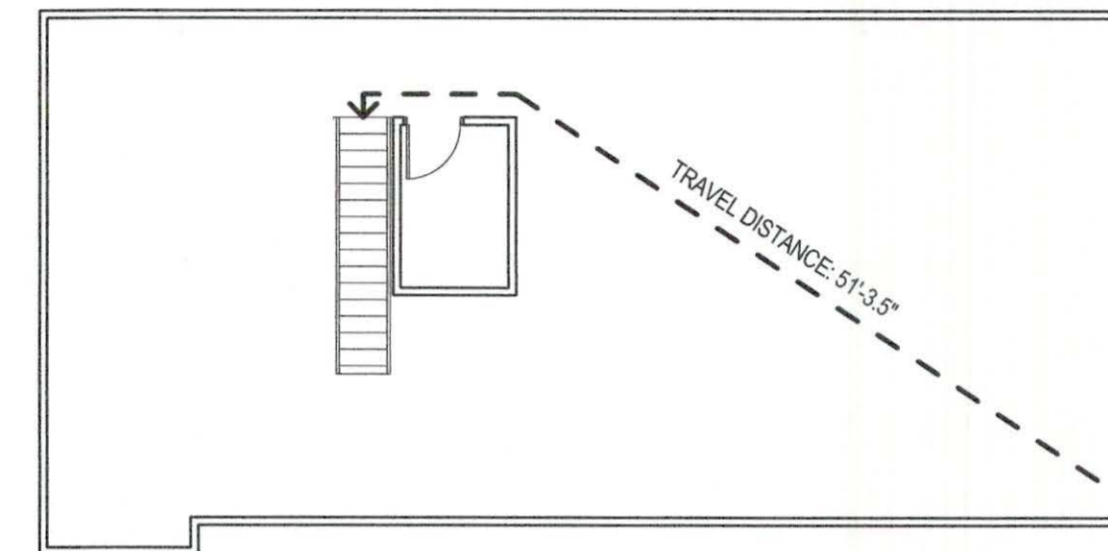
# 10. PLUMBING FIXTURES

IBC CHAPTER 29

TOTAL OCCUPANT LOAD PER OCCUPANCY CLASSIFICATION	WATER CLOSETS AND/OR URINALS		LAVATORIES		DRINKING FOUNTAINS
	MALE	FEMALE	MALE	FEMALE	
BUSINESS CLASSIFICATION	1 PER 25	1 PER 25	1 PER 40	1 PER 40	1 PER 100
OCCUPANT LOAD = 87	2 FIXTURES REQ'D	2 FIXTURES REQ'D	2 FIXTURES REQ'D	2 FIXTURES REQ'D	1 FIXTURES REQ'D
	4 FIXTURES PROVIDED	4 FIXTURES PROVIDED	4 FIXTURES PROVIDED	4 FIXTURES PROVIDED	1 FIXTURES PROVIDED

OCCUPANCY CALCULATIONS:

FIRST FLOOR BUSINESS TOTAL	8,205 SF/100 = 82.05
SECOND FLOOR MECH. EQUIPMENT RM TOTAL	1,784 SF/300 = 5.95
TOTAL BUILDING OCCUPANCY	= 88

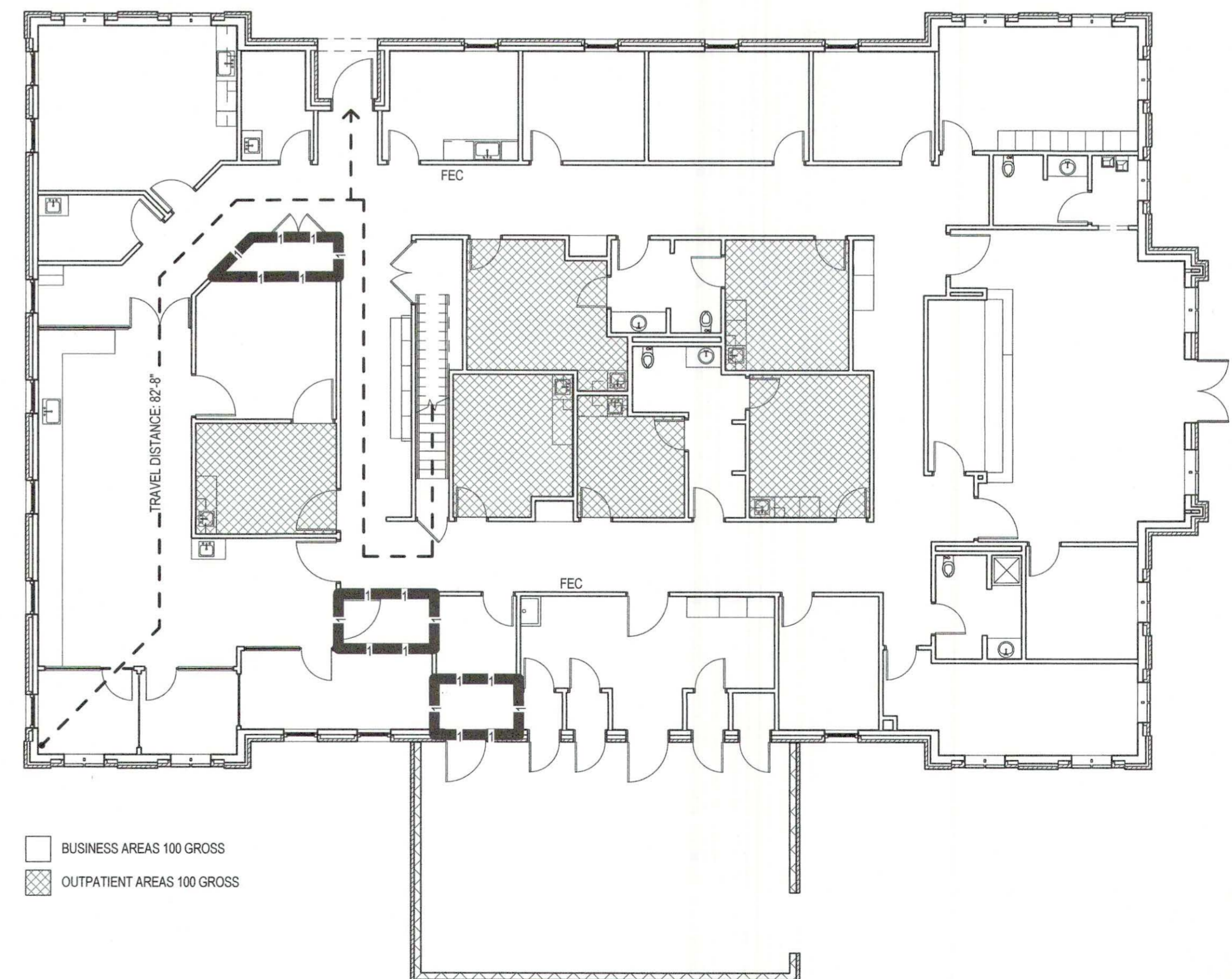


PARTITION TYPE LEGEND:

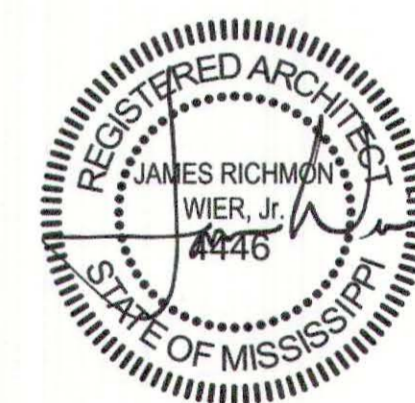
NOTE: ALL WALLS TO EXTEND MIN. 6" ABOVE CEILING U.N.O.

- TYPICAL WALL
- TYPICAL PARTITION WITH ACOUSTICAL INSULATION
- 1 HR FIRE-RATED PARTITION, FIRE SEALED AND BLOCKED AS REQUIRED.

2 MECHANICAL MEZZANINE LIFE SAFETY PLAN  
 3/32" = 1'-0"



1 LEVEL 1 LIFE SAFETY  
 3/32" = 1'-0"



REVISIONS

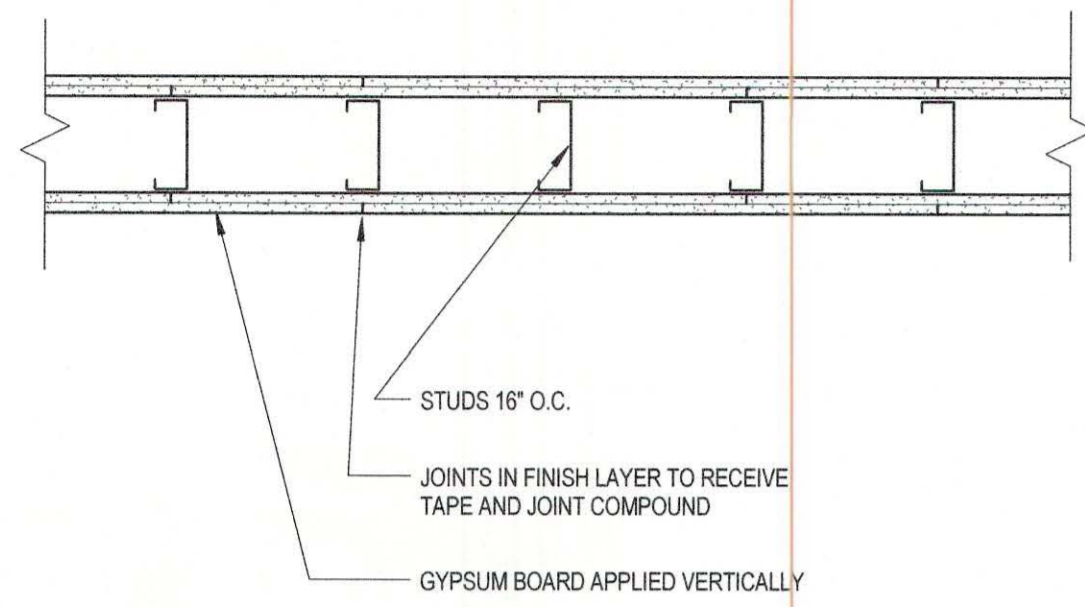
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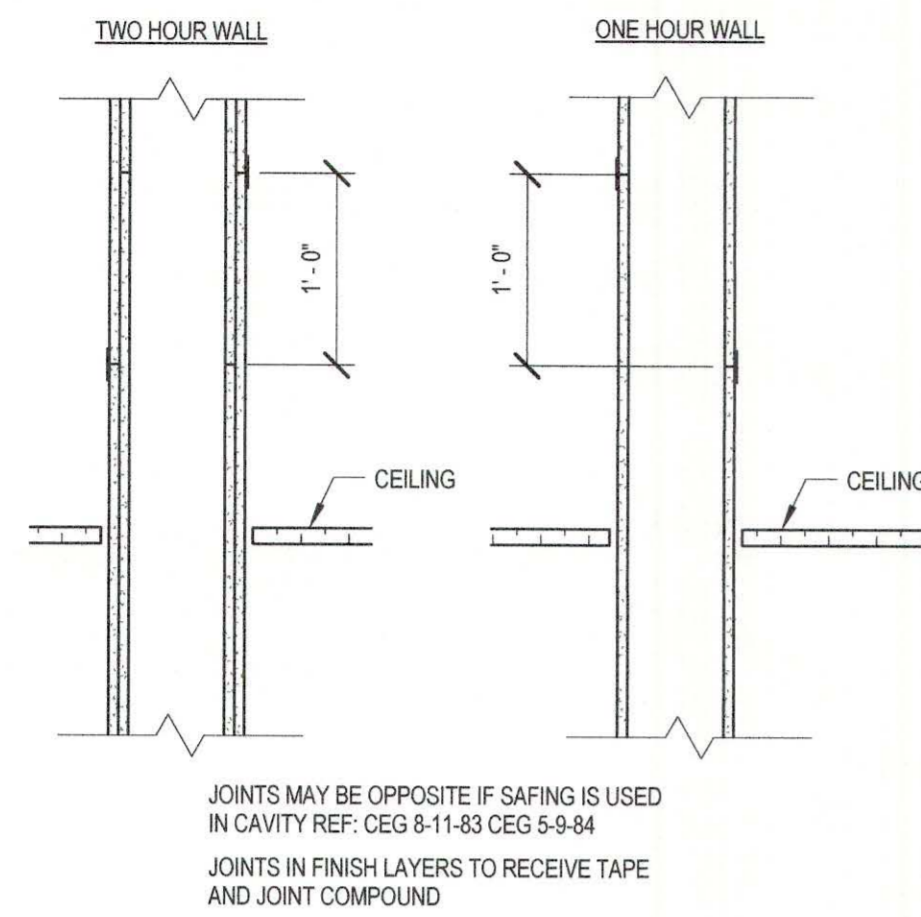
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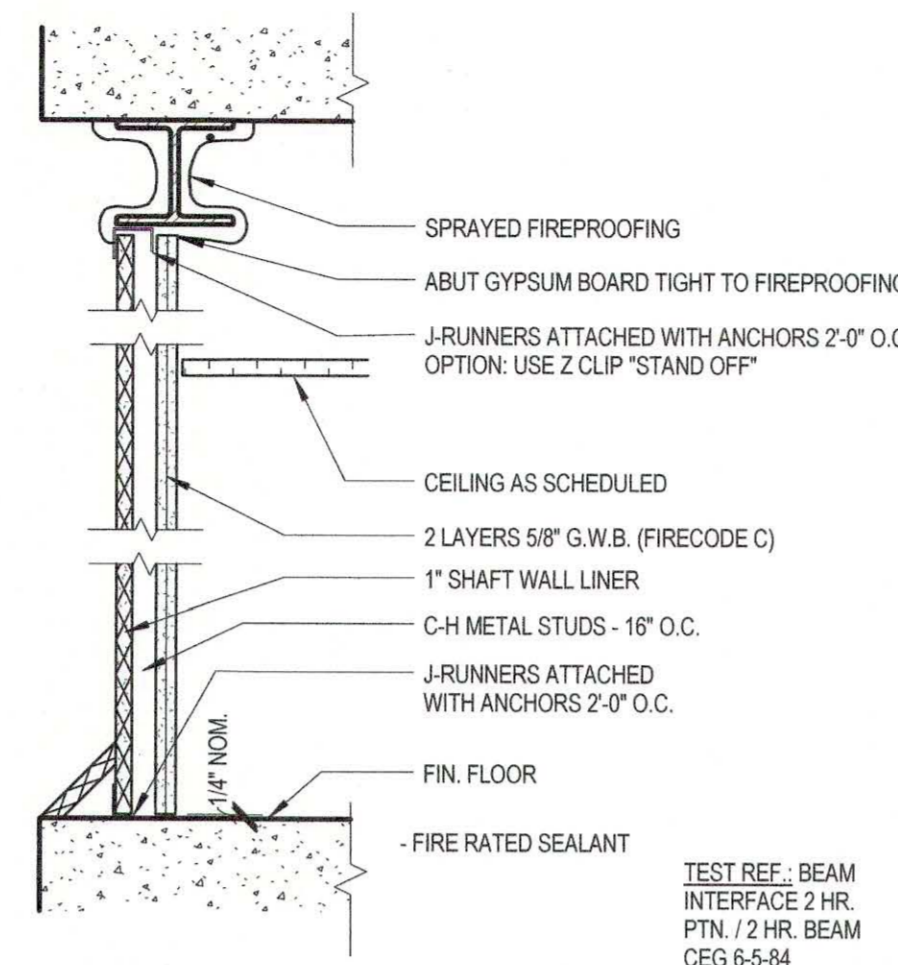
STUD FRAMING SHOWN DYGRAMATIC ONLY. SEE PARTITION TYPES AND OR WALL SECTIONS FOR FRAMING USES IF APPLICABLE.



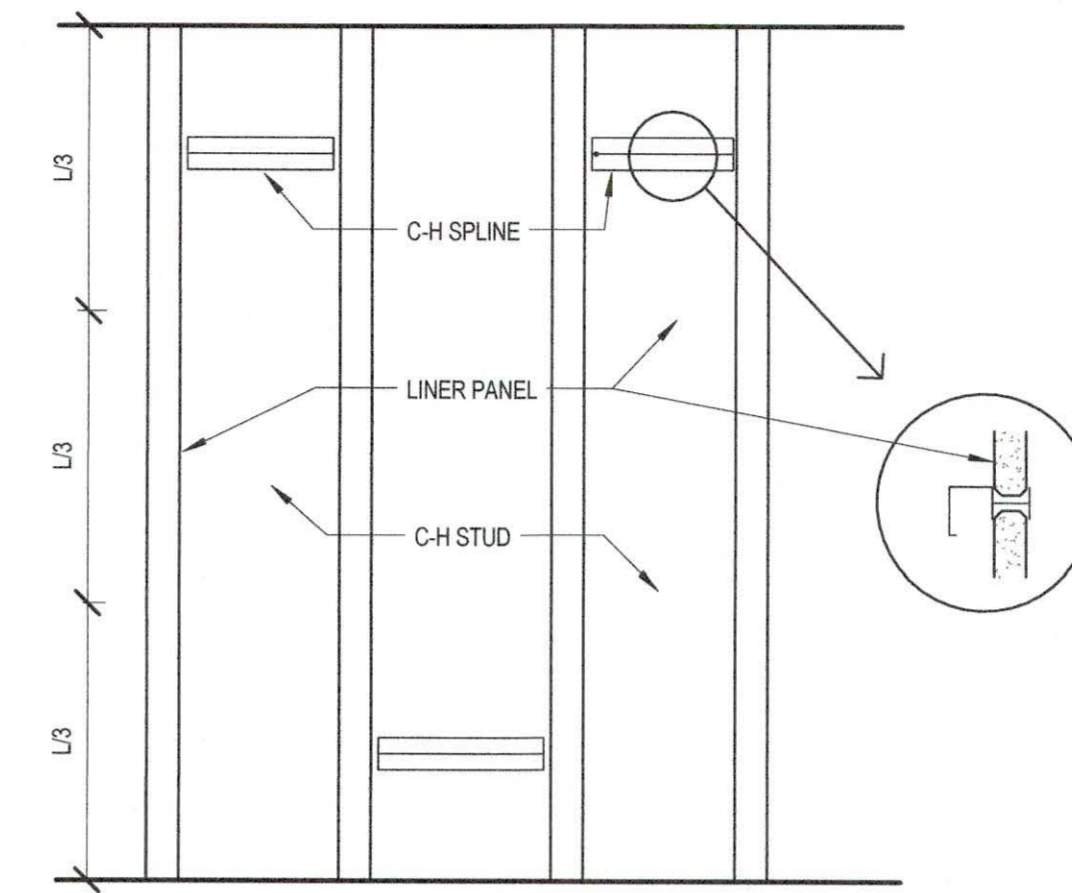
**19 JOINT REQUIREMENTS**  
N.T.S. : 2 HOUR WALL



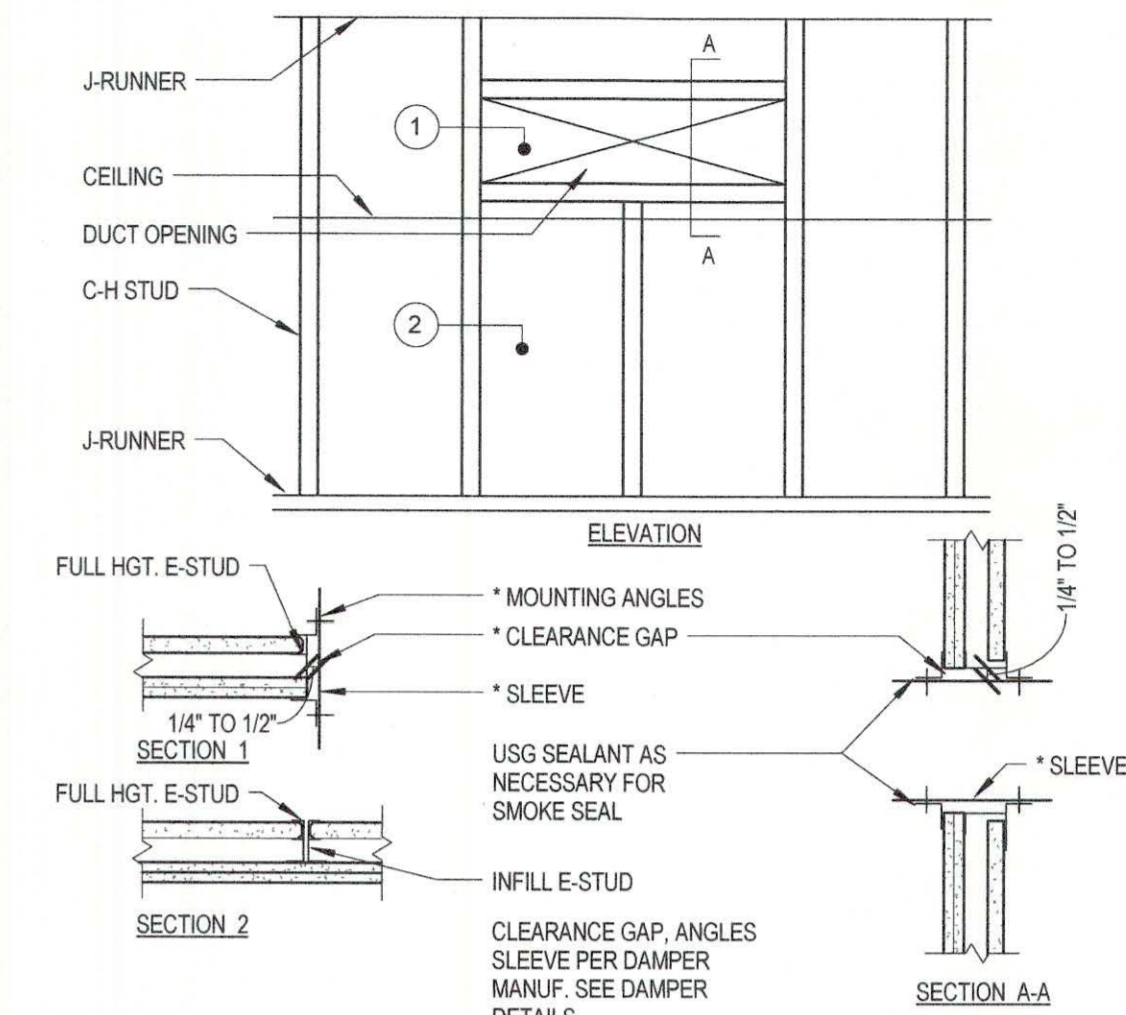
**18 JOINT REQUIREMENTS**  
N.T.S. : HORIZONTAL, ABOVE SUSPENDED CEILINGS



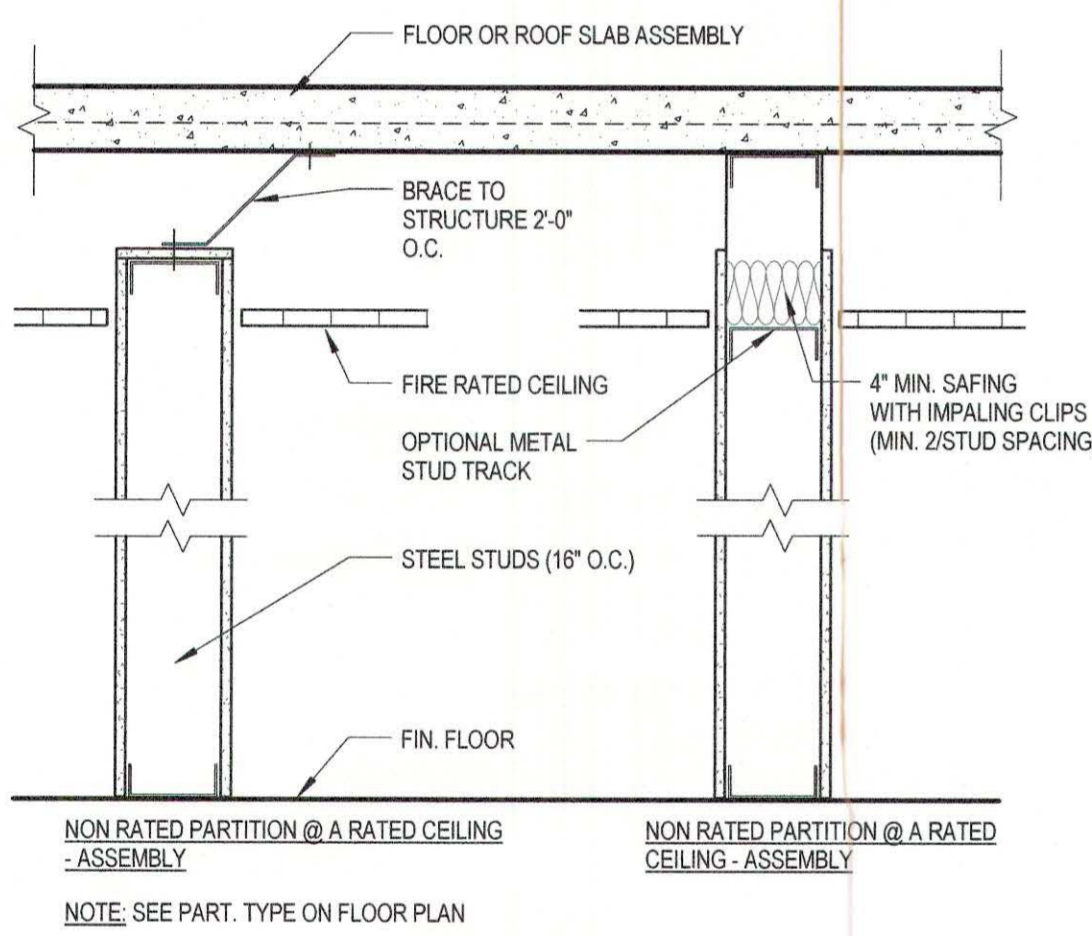
**16 PARTITION DETAIL**  
N.T.S. : 2 HOUR RATED SHAFT WALLS, PLAN DETAIL



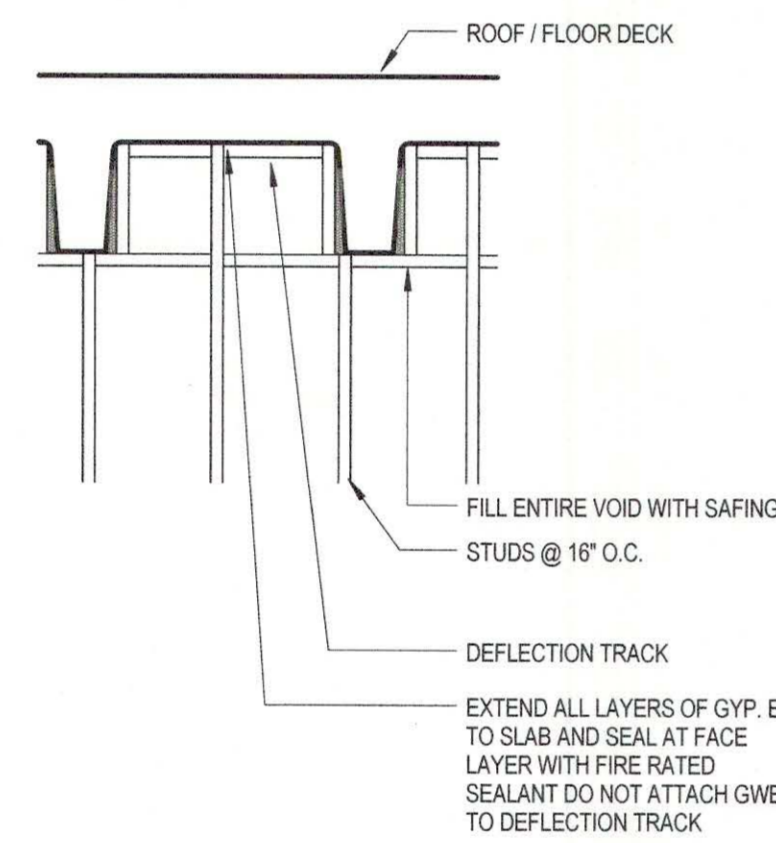
**15 PARTITION DETAIL**  
N.T.S. : 2 HOUR RATED SHAFT WALLS, ENLARGED DETAIL



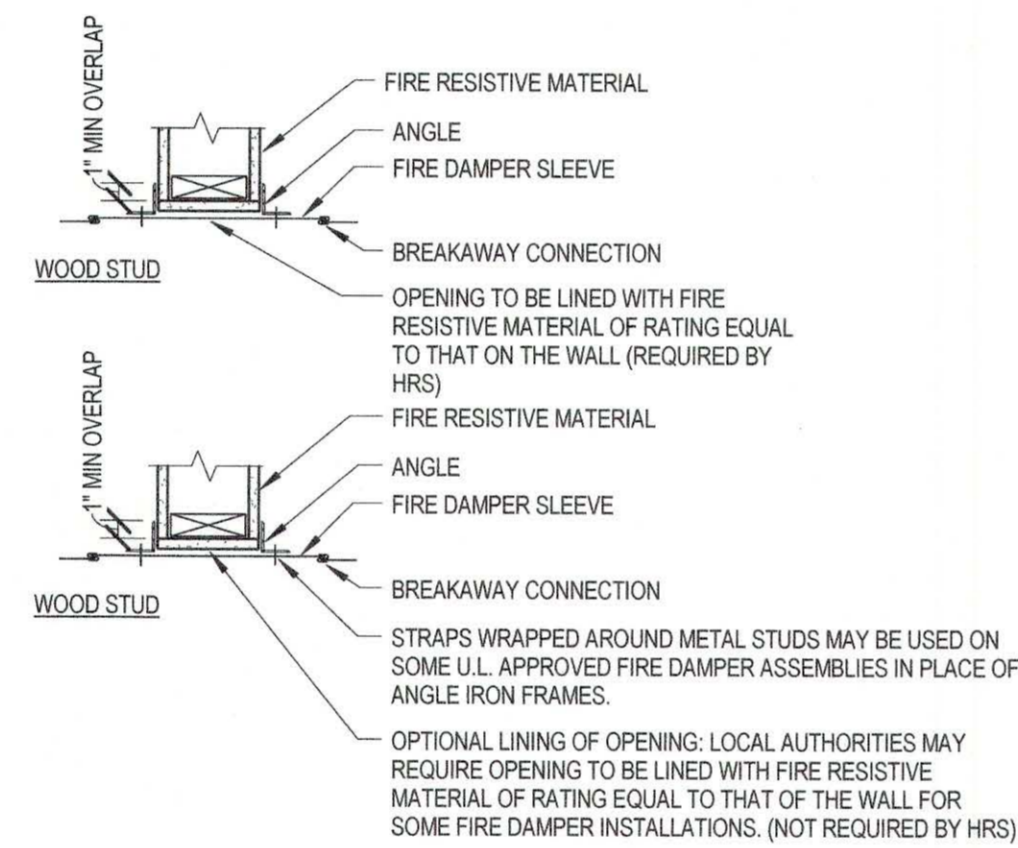
**14 PENETRATION DETAIL**  
N.T.S. : SHAFTWALL DUCT PENETRATION



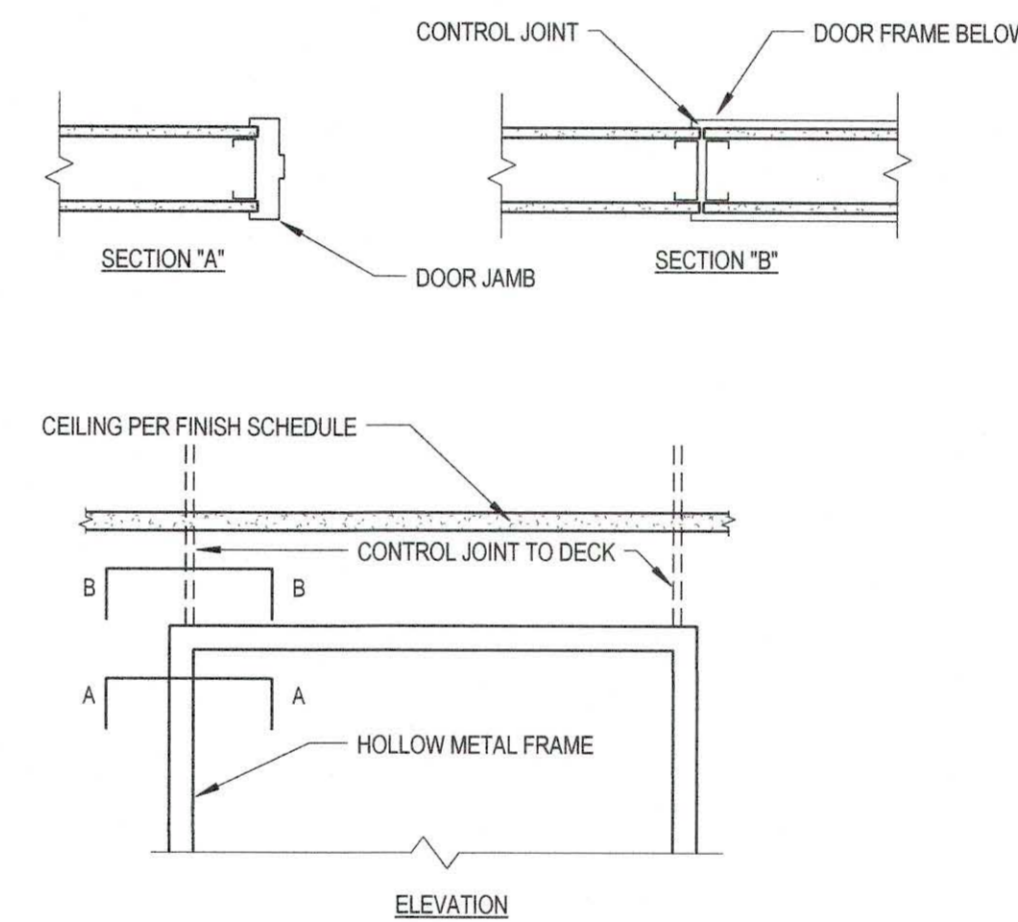
**11 PARTITION DETAIL**  
NOT TO SCALE



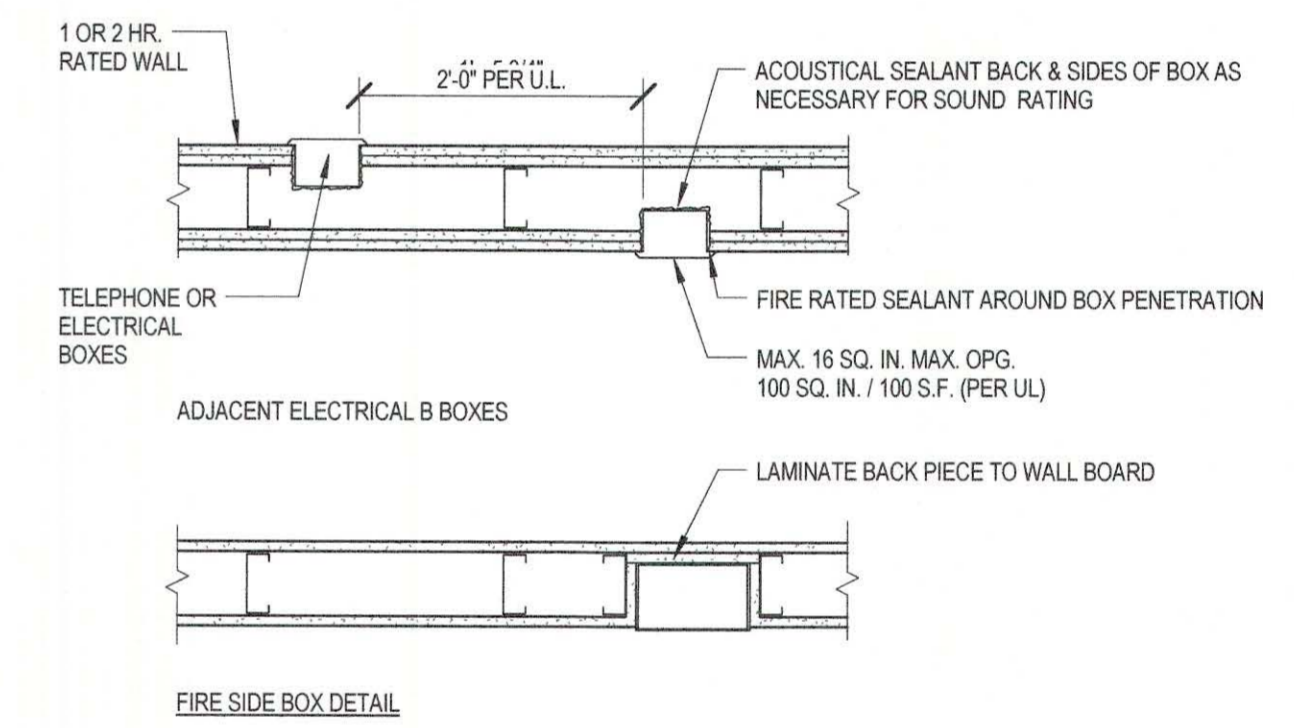
**10 PARTITION DETAIL**  
N.T.S. : NON RATED PARTITION



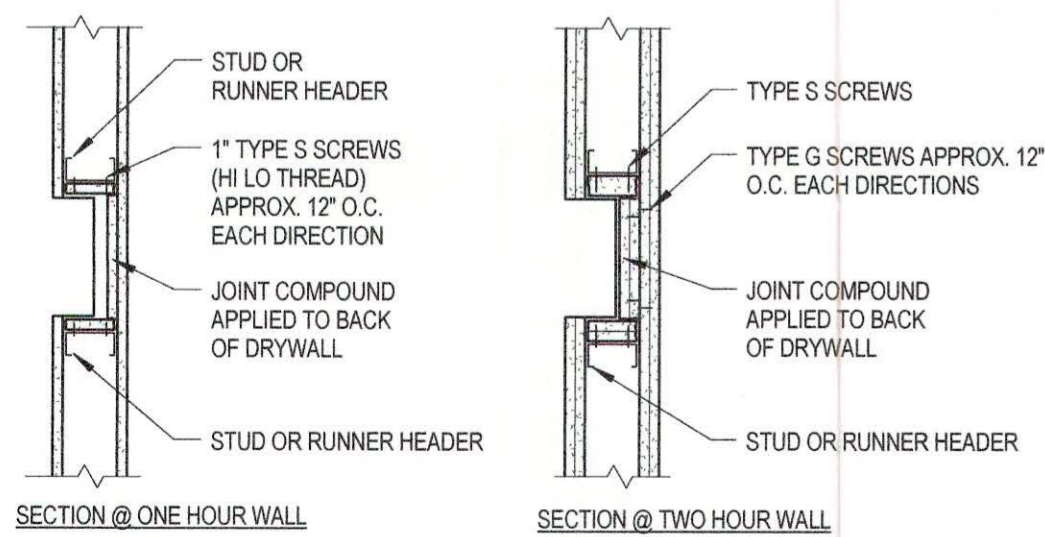
**8 DAMPER DETAILS**  
N.T.S. : NOT TO SCALE



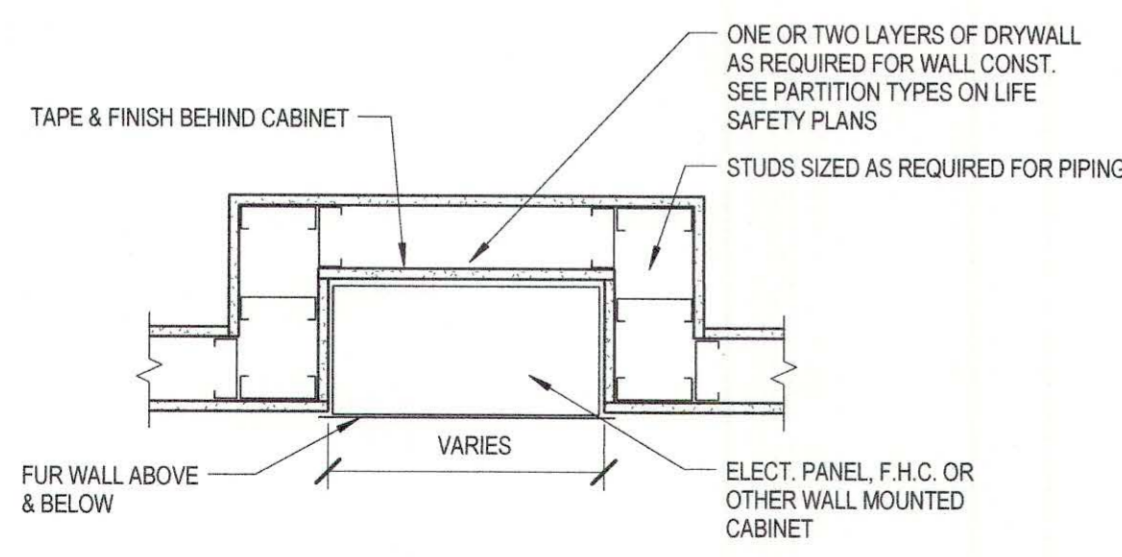
**7 JOINT DETAIL**  
N.T.S. : CONTROL JOINTS @ DOOR



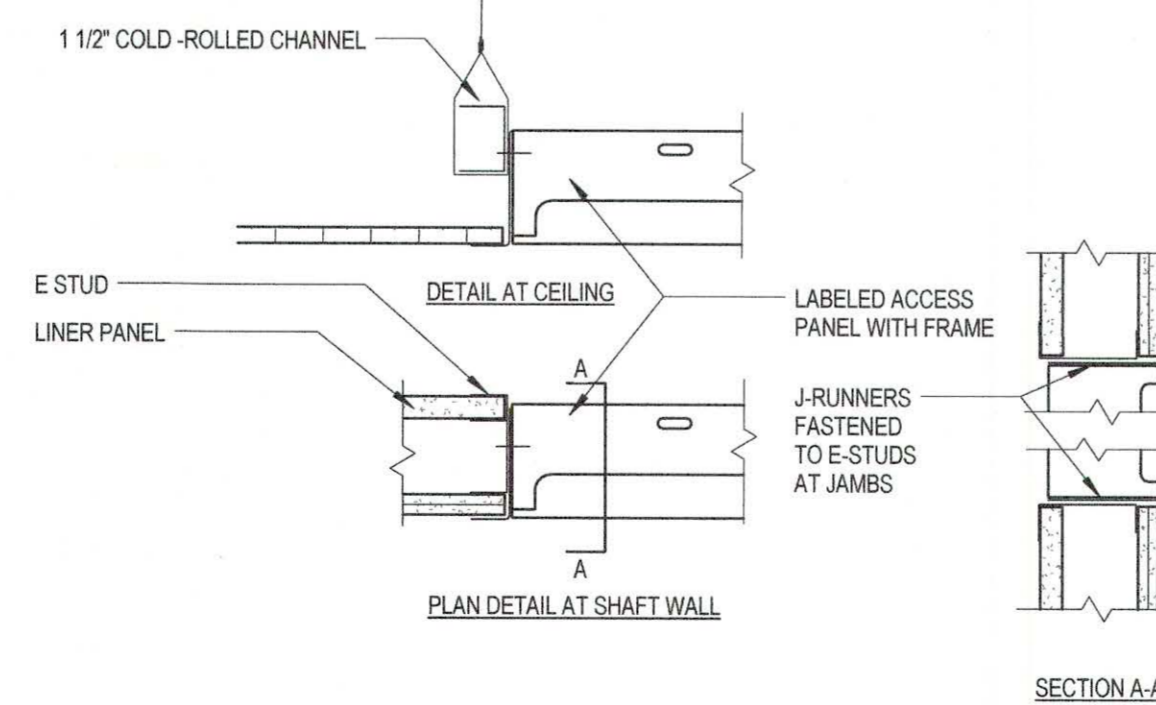
**6 PARTITION DETAIL**  
N.T.S. : FIRE SIDE BOX & ELECTRICAL BOX



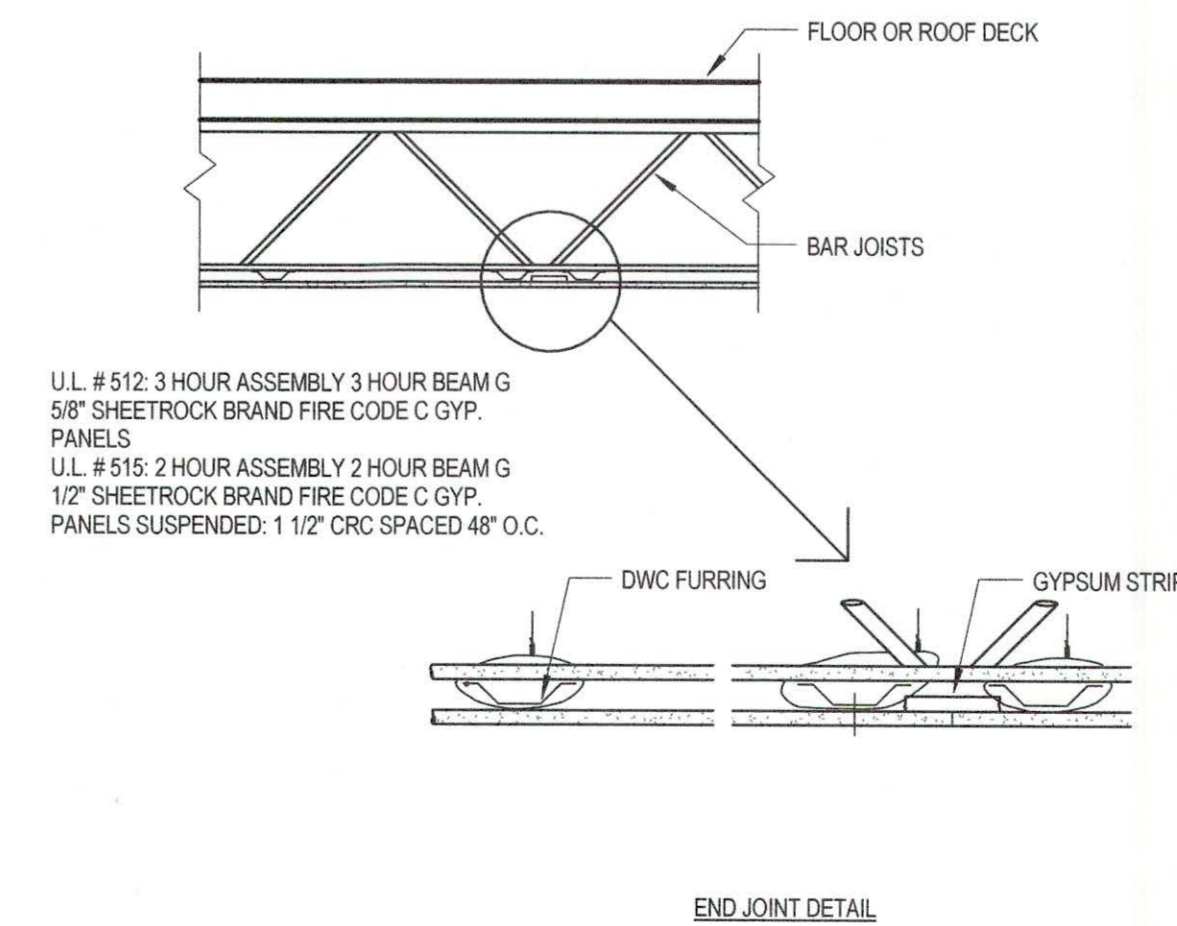
**5 PARTITION DETAIL**  
N.T.S. : TYPICAL 5 SIDED BOX ENCLOSURE



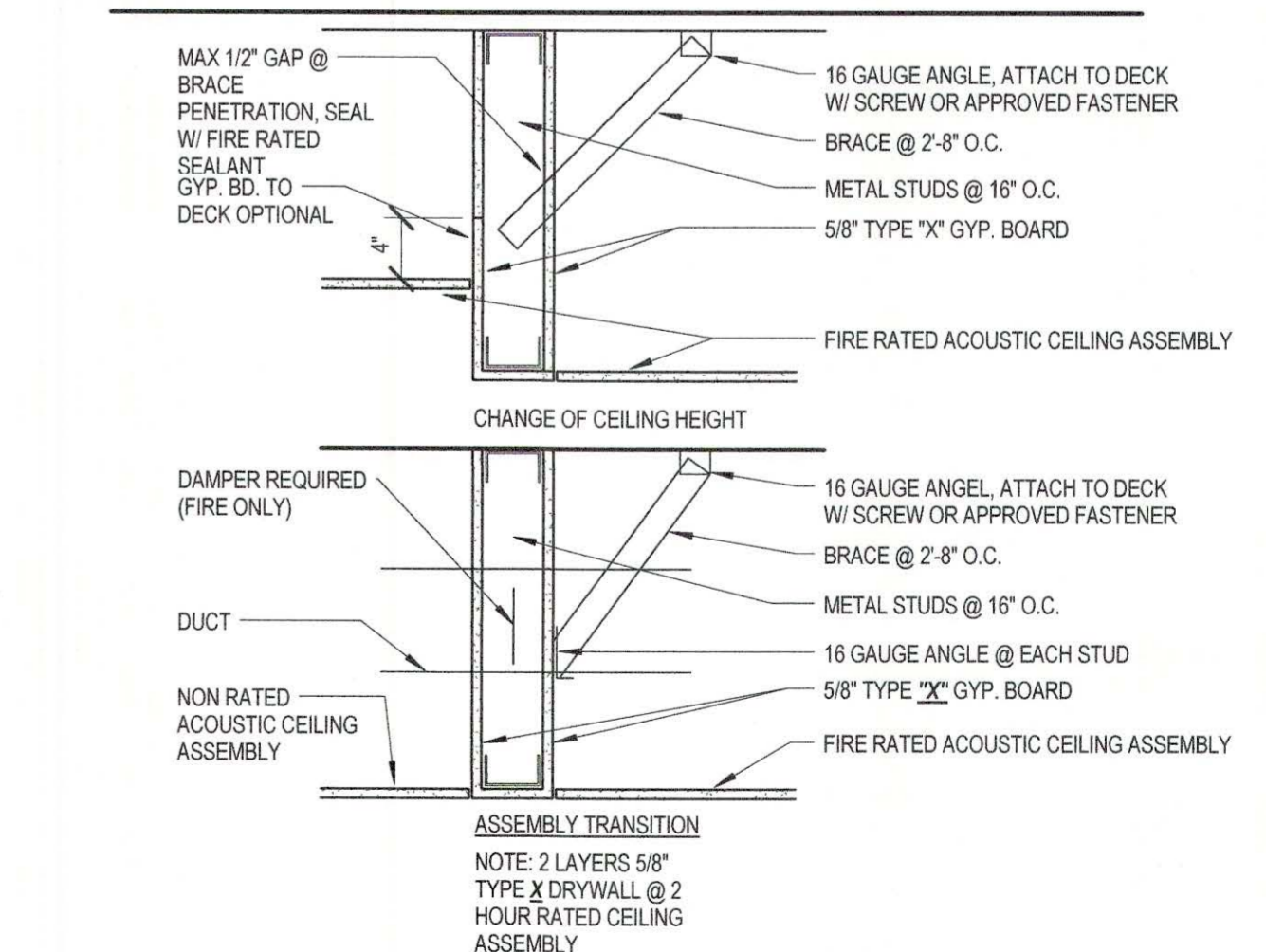
**4 PARTITION DETAIL**  
N.T.S. : RECESSED WALL CABINET



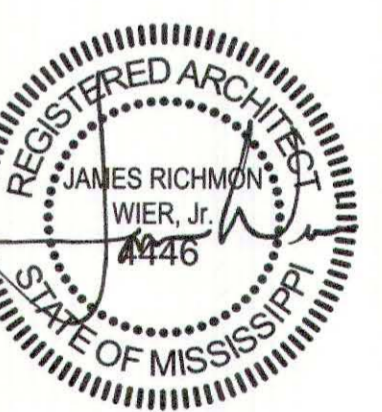
**3 PARTITION DETAIL**  
NOT TO SCALE



**2 PARTITION DETAIL**  
N.T.S. : RATED DRYWALL CEILING



**1 PARTITION DETAIL**  
N.T.S. : BULKHEAD @ 1 HOUR RATED CEILING ASSEMBLY



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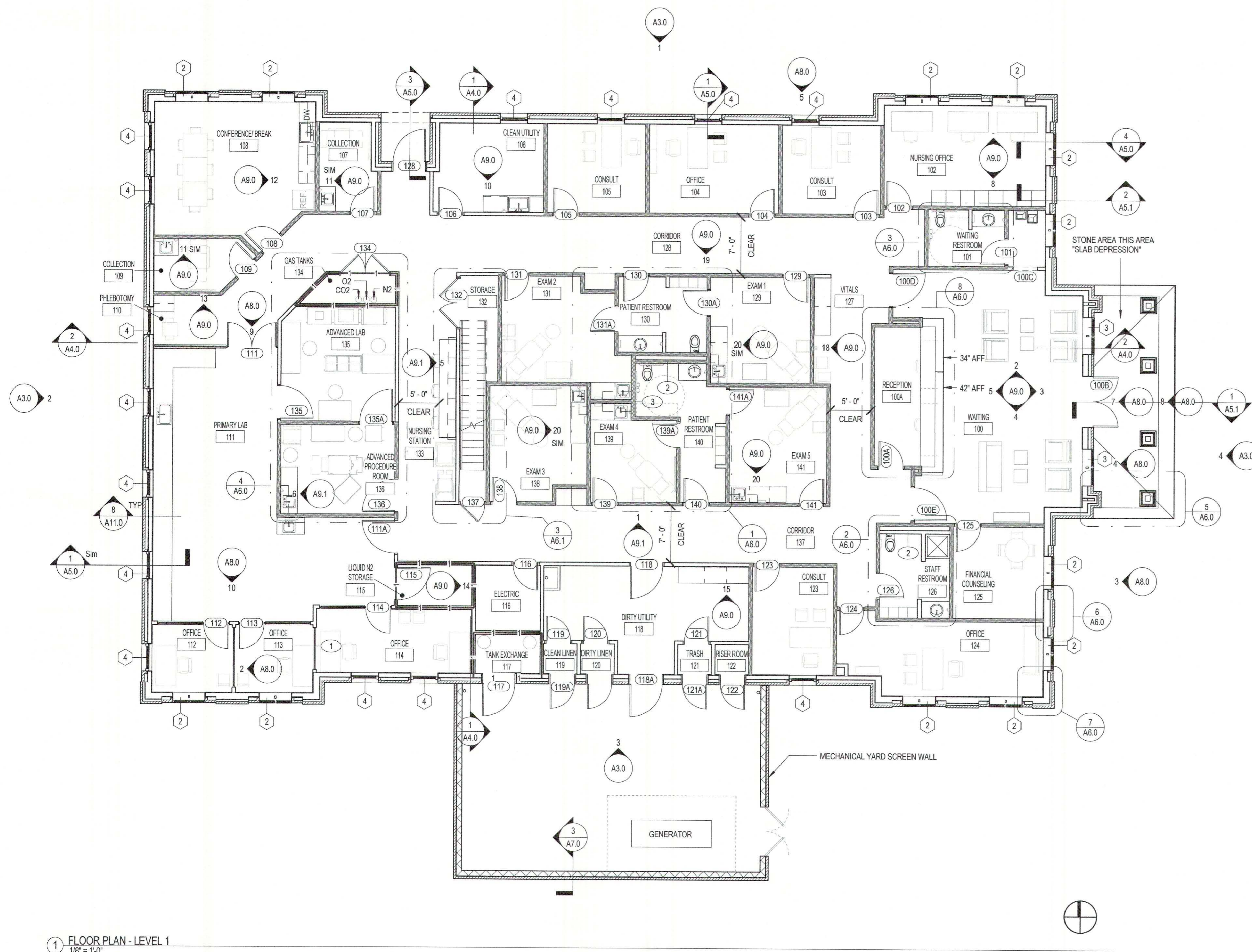
REVISIONS		
NO.	DESCRIPTION	DATE

**LS0.2**

TYPICAL LIFE SAFETY  
DETAILS

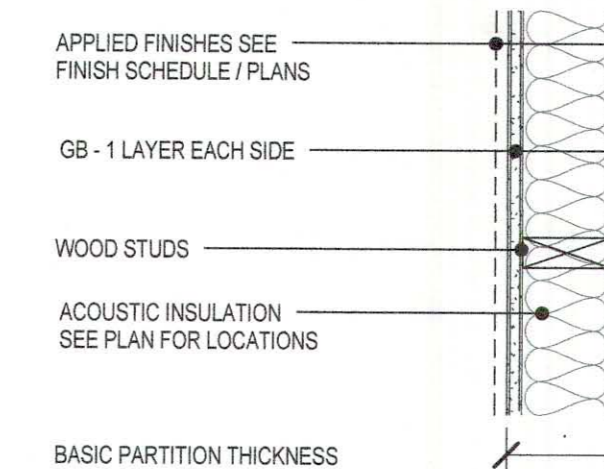
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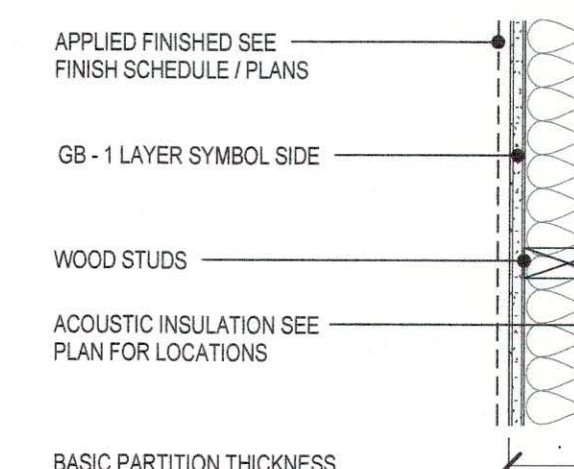
1 FLOOR PLAN - LEVEL 1  
1/8" = 1'-0"

**TYPE 1**



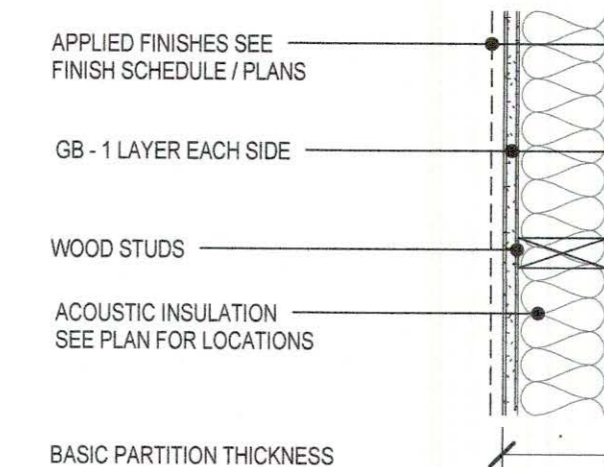
1. (1) LAYER 5/8" GYP. EACH SIDE
2. ACOUSTICAL INSULATION WHERE SHOWN IN PLAN
3. 2x4 WOOD STUD @ 16" O.C.

**TYPE 2**



1. (1) LAYER 5/8" GYP. ONE SIDE
2. ACOUSTICAL INSULATION WHERE SHOWN IN PLAN
3. 2x4 WOOD STUD @ 16" O.C.

**TYPE 3**



1. (1) LAYER 5/8" GYP. EACH SIDE
2. ACOUSTICAL INSULATION WHERE SHOWN IN PLAN
3. 2x6 WOOD STUD @ 16" O.C.

**NOTES**

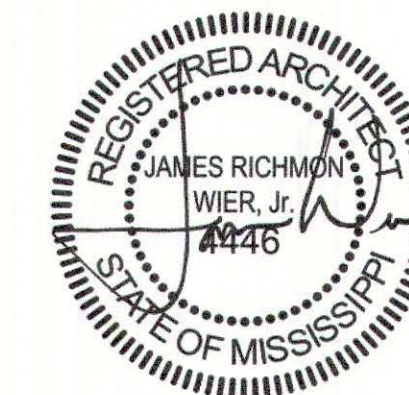
1. ALL INTERIOR PARTITIONS ARE TYPE 1 UNLESS NOTED OTHERWISE.
2. ALL INTERIOR STUDS ARE 2x4 WOOD @ 16" O.C. MAX. TYP.
3. 1 HR FIRE-RATED PARTITIONS TO COMPLY WITH UL DESIGN NO. U465. SEE PLAN FOR LOCATIONS.

2 INTERIOR PARTITION TYPES

**PARTITION TYPE LEGEND:**

NOTE: ALL WALLS TO EXTEND MIN. 6" ABOVE CEILING U.I.N.O.

- TYPICAL WALL
- TYPICAL PARTITION WITH ACOUSTICAL INSULATION
- 1 HR FIRE-RATED PARTITION, FIRE SEALED AND BLOCKED AS REQUIRED.



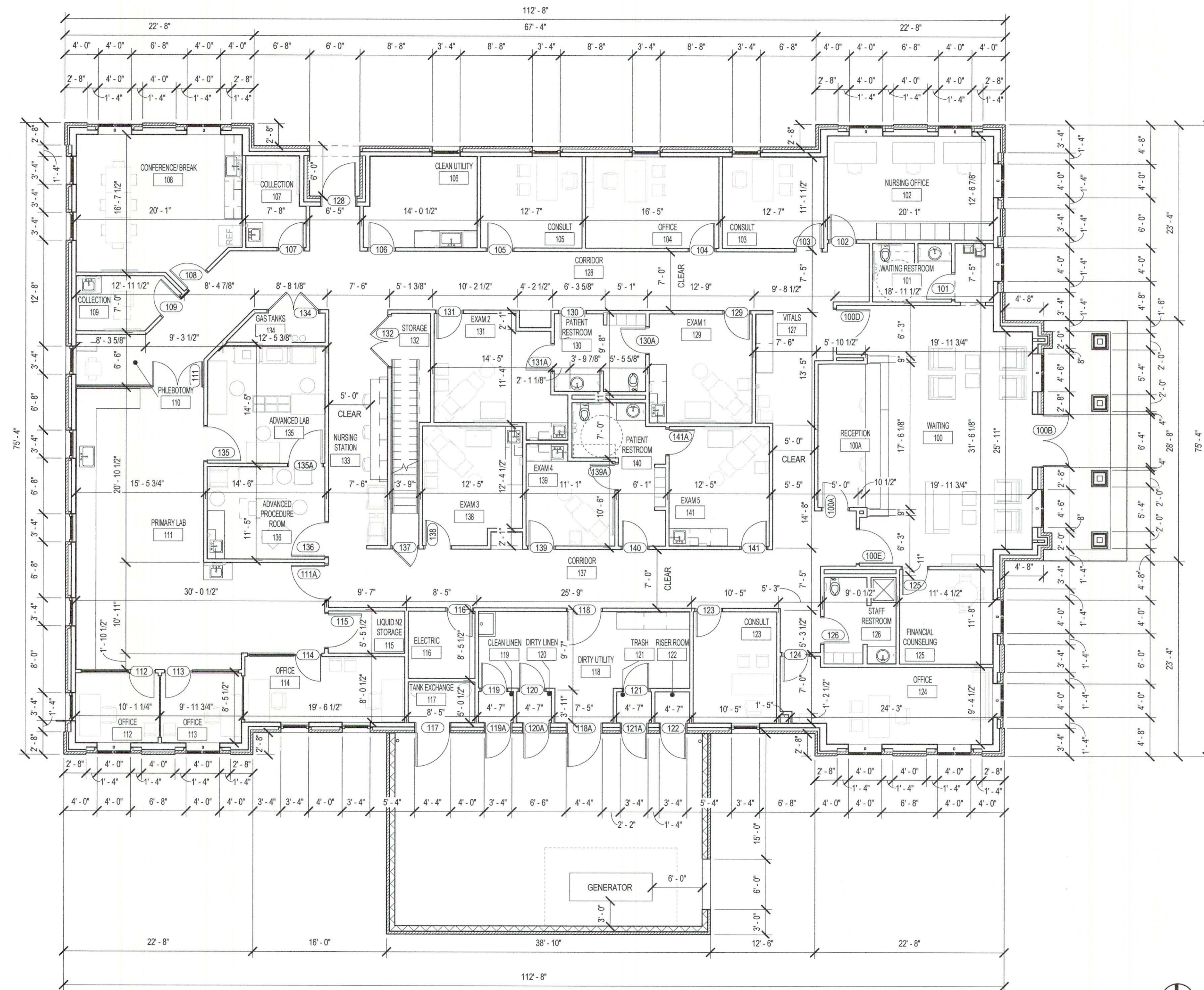
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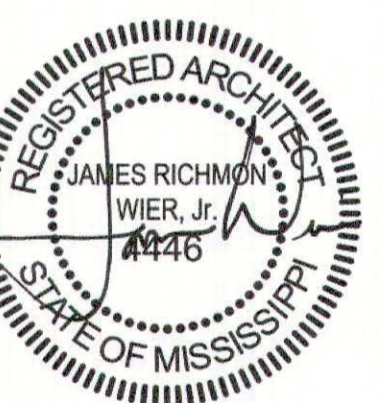
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1 DIMENSION PLAN - LEVEL 1  
1/8" = 1'-0"



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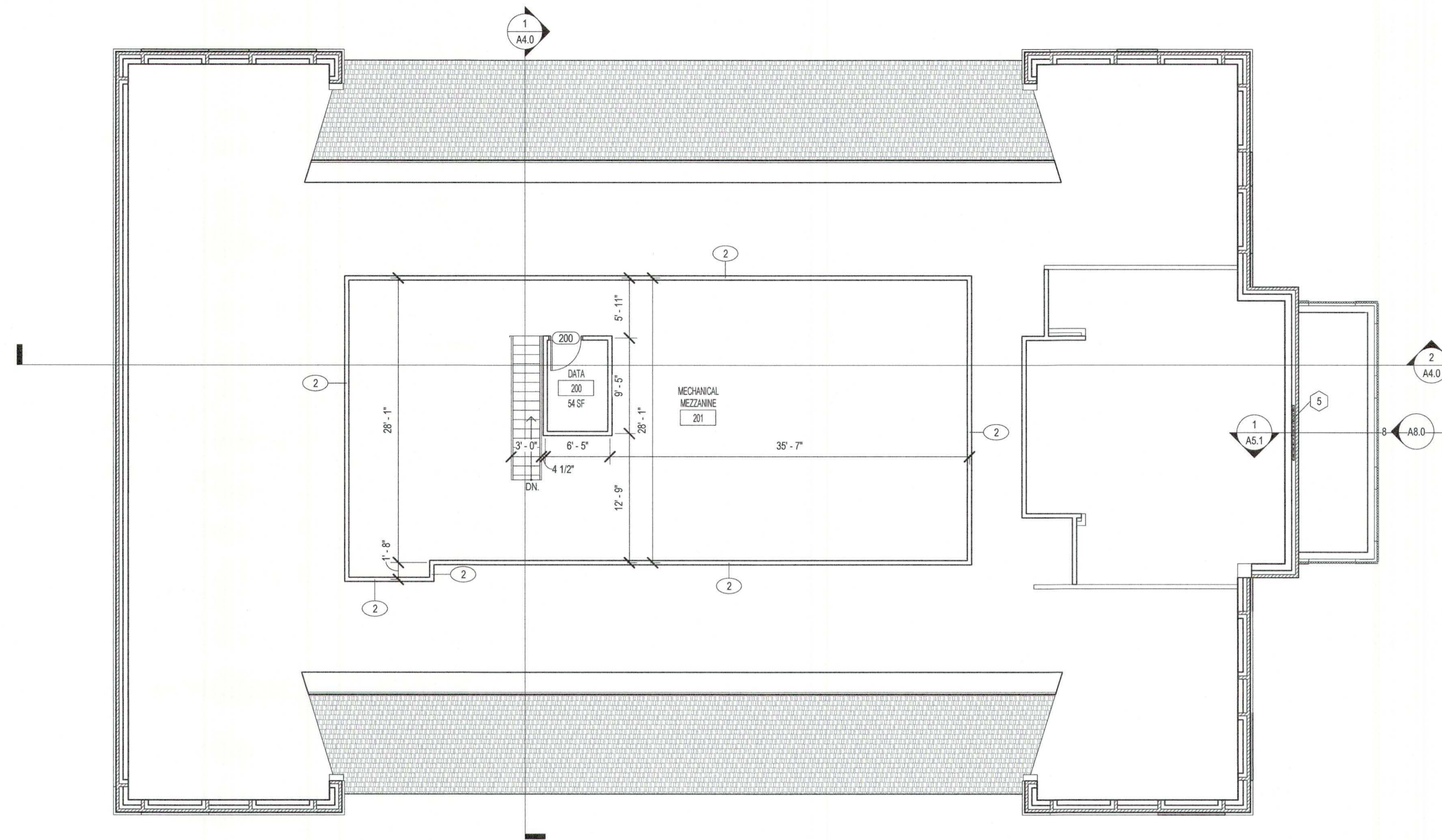
**A1.1**

DIMENSION FLOOR PLAN

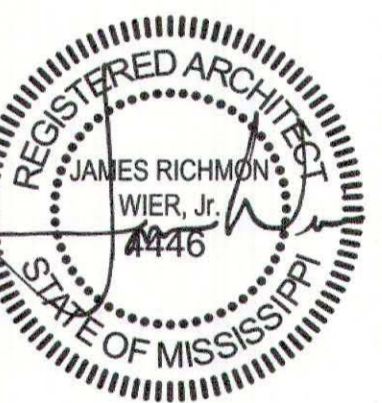
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1 MECHANICAL MEZZANIE  
1/8" = 1'-0"



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**A1.2**

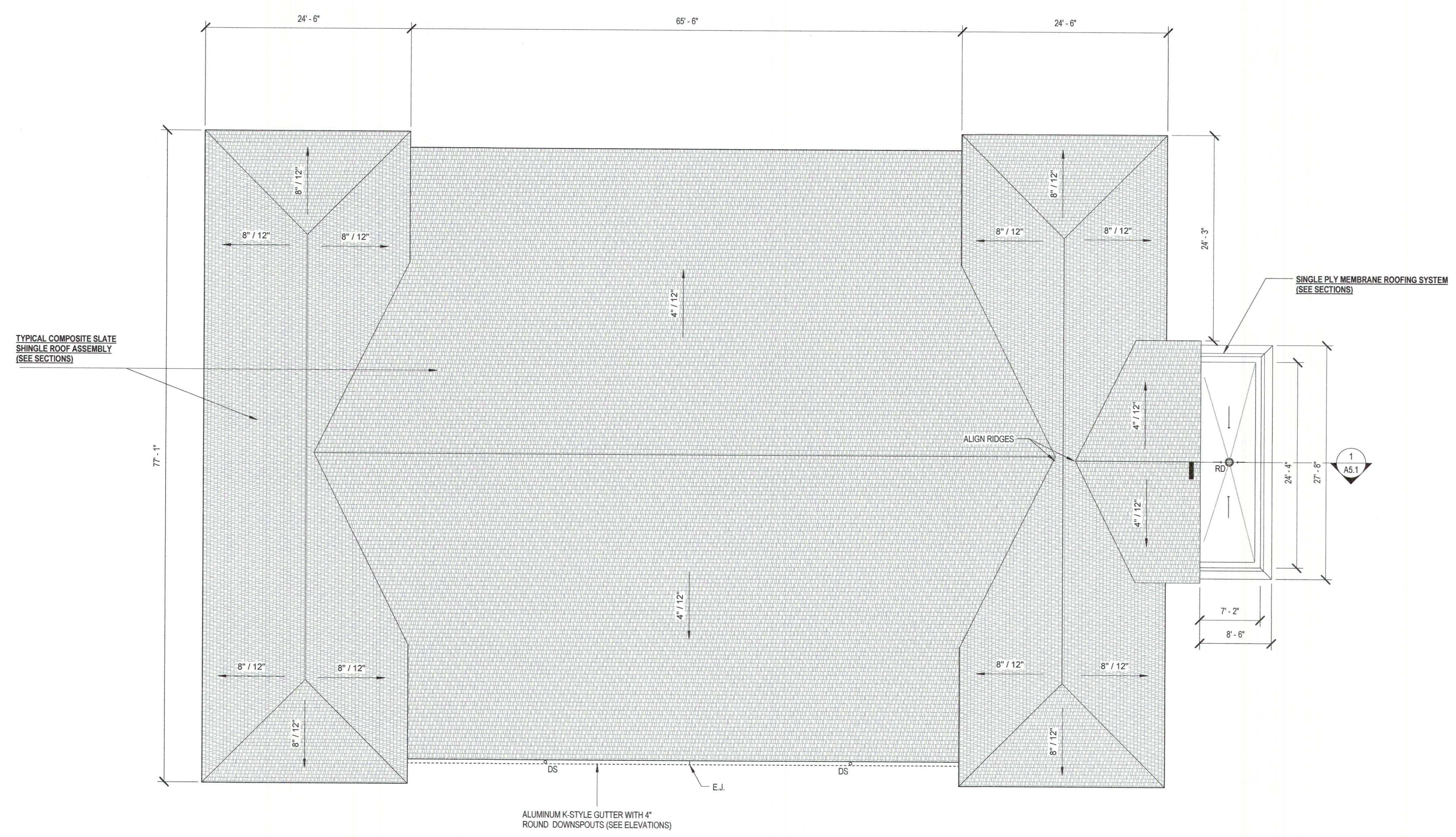
MECHANICAL MEZZANIE



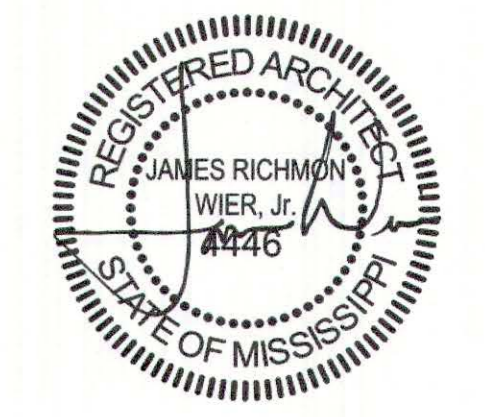
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1 ROOF PLAN  
1/8" = 1'-0"



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FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE MATL	WALL FINISH	CEILING	MILLWORK	COUNTERTOP PS	Ceiling Height	COMMENTS
100	WAITING	BF-1	WB-1	P-1, CTW-1, GTW-1	GYP-1	N/A	N/A	12'-0"	NORTH WALL IN WAITING TO RECEIVE CTW-1, NORTH WALL WHERE DRINKING FOUNTAINS ARE LOCATED TO RECEIVE GTW-1
100A	RECEPTION	BF-1	WB-1	P-4, STW-1	GYP-1	MW-1, PL-2	QTZ-1, PL-1	10'-6"	STW-1 TO BE LOCATED ON WEST WALL FULL HEIGHT
101	WAITING RESTROOM	PTF-1	N/A	CTW-2 UP TO 72"H AFF, P-4	GYP-1	MW-1	SS-1	10'-0"	CTW-2 LOCATED ON ALL WALLS, FULL-HEIGHT BEHIND MIRROR, P-4 TO BE LOCATED ABOVE CTW-2
102	NURSING OFFICE	BF-1	RB-1	P-1	ACT-1	PL-2	N/A	10'-0"	
103	CONSULT	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
104	OFFICE	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
105	CONSULT	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
106	CLEAN UTILITY	WRBF-1	FCB-1	P-1	ACT-1	SSM-1	PL-1	10'-0"	
107	COLLECTION	BF-1	RB-1	P-1	ACT-1	PL-2	SS-1	10'-0"	
108	CONFERENCE/BREAK	BF-1	RB-1	P-1, CTW-4 BACKSPLASH	ACT-1	PL-2	SS-1	10'-0"	
109	COLLECTION	BF-1	RB-1	P-1	ACT-1	PL-2	SS-1	10'-0"	
110	PHLEBOTOMY	BF-1	RB-1	P-1	ACT-1	PL-2	PL-1	10'-0"	
111	PRIMARY LAB	WRBF-1	FCB-1	P-5	GYP-3	N.I.C.	EPC-1	8'-0"	
112	OFFICE	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
113	OFFICE	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
114	OFFICE	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
115	LIQUID N2 STORAGE	SSF-1	SSB-1	SSW 72" AFF, P-1	ACT-1	N/A	N/A	10'-0"	
116	ELECTRIC	SC-1	N/A	P-1	ACT-1	N/A	N/A	10'-0"	
117	TANK EXCHANGE	SC-1	N/A	P-1	ACT-1	N/A	N/A	10'-0"	
118	DIRTY UTILITY	WRBF-1	FCB-1	FRP-1 UP TO 48"H, P-1	ACT-1	PL-2	SSC-1	10'-0"	P-1 LOCATED ABOVE FRP-1
119	CLEAN LINEN	SC-1	N/A	P-1	GYP-1	N/A	N/A	10'-0"	
120	DIRTY LINEN	SC-1	N/A	FRP-1 UP TO 48"H, P-1	GYP-1	N/A	N/A	10'-0"	
121	TRASH	SC-1	N/A	FRP-1 UP TO 48"H, P-1	GYP-1	N/A	N/A	10'-0"	
122	RISER ROOM	SC-1	N/A	P-1	GYP-1	N/A	N/A	10'-0"	
123	CONSULT	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
124	OFFICE	BF-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
125	FINANCIAL COUNSELING	BF-1	WB-1	P-1,4	ACT-1	N/A	N/A	10'-0"	P-4 TO BE LOCATED ON SOUTH WALL
126	STAFF RESTROOM	PTF-1,2	N/A	CTW-3 UP TO 72"H AFF, P-4, PTW-4	GYP-1 EPOXY	MW-1	SS-1	10'-0"	SHOWER TO RECEIVE PTF-2, SHOWER WALLS TO BE CTW-4, CTW-2 LOCATED ON ALL WALLS, P-4 TO BE LOCATED ABOVE CTW-2
127	VITALS	BF-1	MRB-1	P-1	ACT-1	PL-2	PL-1	10'-0"	
128	CORRIDOR	BF-1	MRB-1	P-1	ACT-1	PL-2	PL-1	10'-0"	
129	EXAM 1	BF-1	RB-1	P-1,4	GYP-1	PL-2	PL-1	9'-0"	P-4 TO BE LOCATED ON TV WALL
130	PATIENT RESTROOM	PTF-1	N/A	CTW-3 UP TO 72"H AFF, P-4	GYP-1	MW-1	PL-1	9'-0"	CTW-2 LOCATED ON ALL WALLS, P-4 TO BE LOCATED ABOVE CTW-2
131	EXAM 2	BF-1	RB-1	P-1,4	GYP-1	PL-2	PL-1	9'-0"	P-4 TO BE LOCATED ON TV WALL
132	STORAGE	VCT-1	RB-1	P-1	GYP-1	N/A	N/A	9'-0"	
133	NURSING STATION	BF-1	MRB-1	P-1	ACT-1	PL-2	PL-1	10'-0"	
134	GAS TANKS	VCT-1	RB-1	P-1	ACT-1	N/A	N/A	10'-0"	
135	ADVANCED LAB	WRBF-1	FCB-1	P-5	GYP-3	N/A	N/A	8'-0"	
136	ADVANCED PROCEDURE ROOM	WRBF-1	FCB-1	P-5	GYP-3	N.I.C.	EPC-1	8'-0"	
137	CORRIDOR	BF-1	MRB-1	P-1	ACT-1	PL-2	PL-1	10'-0"	
138	EXAM 3	BF-1	RB-1	P-1,4	GYP-1	PL-2	PL-1	9'-0"	P-4 TO BE LOCATED ON TV WALL
139	EXAM 4	BF-1	RB-1	P-1,4	GYP-1	PL-2	PL-1	9'-0"	P-4 TO BE LOCATED ON TV WALL
140	PATIENT RESTROOM	PTF-1	N/A	CTW-3 UP TO 72"H AFF, P-4	GYP-1	MW-1	SS-1	9'-0"	CTW-2 LOCATED ON ALL WALLS, P-4 TO BE LOCATED ABOVE CTW-2
141	EXAM 5	BF-1	RB-1	P-1,4	GYP-1	PL-2	PL-1	9'-0"	P-4 TO BE LOCATED ON TV WALL
200	DATA	PLY-1	N/A	P-1	ACT-1	N/A	N/A	8'-0"	
201	MECHANICAL MEZZANINE	PLY-1	N/A	P-1	EXP	N/A	N/A	0"	

Grand total: 45

FINISH LEGEND

NOTE: CONTRACTOR AND SUBCONTRACTOR TO REFERENCE MANUFACTURER'S SPECIFICATIONS FOR RECOMMENDED INSTALLATION METHODS.

FLOOR		
ACRONYM	TYPE	DESCRIPTION
BF-1	Bamboo Floor	EcoFusion Product: ColorFusion Engineered Strandwoven Bamboo #CFB-TRWT12014 Finish: True Walnut Size: 4 3/4" x 72 7/8" x 9/16" thick Backing: EcoFusion EuroBond D3 Tongue and Groove Glue Installation Method: Floating Note: 6 mil polyfilm to be used during install
PLY-1	Unfinished Plywood	
PTF-1	Porcelain Tile Floor	Atlas Concorde Product: Sign Color: Grege Size: 12" x 24" Thickness: 9mm Finish: Matt Installation Method: 1/32" running bond running east to west Grout: Latitecra Marble Beige #17 Note: Hold all grout joints to minimum requirement by TCNA
PTF-2	Porcelain Tile Floor	Daltile Product: Keystones Color: Upton Taupe Speckle #D202 Size: 2" x 2" mosaic on 12"x24" sheet Thickness: 1/4" Finish: Unglazed Installation Method: straight laid running east to west Grout: Latitecra Dusty Grey #60 Note: Hold all grout joints to minimum requirement by TCNA
SC-1	Sealed Concrete	
SSF-1	Stainless Steel Floor	
WRBF-1	Welded Rubber Floor	Nora Product: Noraplan Iona Color: Degas #6901 Size: 48" x 36" rolled goods Thickness: 3mm Note: Coordinating weld rod needed To be installed with coordinating flash cove (FCB-1)
VCT-1	Vinyl Composition Tile	Armstrong Product: Striations BBT Color: Steel Size: 12" x 24" Thickness: 1/16" Installation Method: Running Bond Run parallel to length of room
BASE		
ACRONYM	TYPE	DESCRIPTION
FCB-1	Flash Cove Base	Nora Product: Noraplan Iona Color: Degas #6901 Size: 4 1/4" x 36" rolled goods
MRB-1	Millwork Rubber Base	Johnsonite Product: Infection #MW-48-G Color: Grey WG Size: 5 1/4" x 8" continuous roll Thickness: 3/8"
RB-1	Rubber Base	Johnsonite Product: Traditional Wall Base #48 Color: Grey WG 4"H x 120" continuous roll
SSB	Stainless Steel Base	Stainless steel flash cove base
WB-1	Wood Base	5 1/4" poplar wood base/painted Profile: to match Johnsonite Infection #MW-01-G Color: Painted P-2

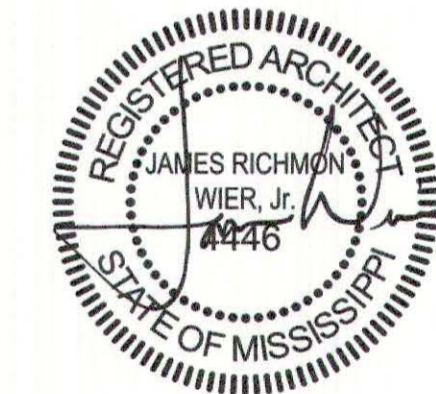
WALL		
ACRONYM	TYPE	DESCRIPTION
CTW-1	Ceramic Tile Wall	Atlas Concorde Product: 3D Wave Color: White Finish: Glossy Size: 15 3/4" x 31 1/2" Thickness: 10mm Grout: Latitecra Bright White #44 Installation Method: Vertical Stack Bond, tile to run vertical Hold all grout joints to minimum requirement by TCNA
CTW-2	Ceramic Tile Wall	Daltile Product: Showscape #SH09 Color: Stylish White Finish: Arabesque Size: 12" x 24" Thickness: 3/8" Grout: Latitecra Bright White #44 Installation Method: Vertical Stack Bond, tile to run vertical Trim: 12" Jolly Trim #S-1212J Note: Tile to be installed 72" Schluter QUAD-EC-K in finish AE to be used at all outside corners Hold all grout joints to minimum requirement by TCNA
CTW-3	Ceramic Tile Wall	Daltile Product: Showscape #SH09 Color: Stylish White Finish: Reverse Dot Size: 12" x 24" Thickness: 3/8" Grout: Latitecra Light Pewter #60 Installation Method: Vertical Stack Bond, tile to run vertical Trim: 12" Jolly Trim #S-1212J Note: Tile to be installed 72" Schluter QUAD-EC-K in finish AE to be used at all outside corners Hold all grout joints to minimum requirement by TCNA
CTW-4	Ceramic Tile Wall	Daltile Product: Ritterhouse Square Color: Arctic White #0190 Finish: Semi-Gloss Size: 9" x 9" Thickness: 5/16" Grout: Room #106 Latitecra Dusty Grey #60 Room #126 Latitecra Light Pewter #60 Installation Method: Subway, tile to run horizontal Note: Use Schluter RONDEC-DB in finish AE where tile does not die into wall. Hold all grout joints to minimum requirement by TCNA
FRP-1	Fiber-Reinforced Panels	Crane Composites Product: Sequentia Color: Gray #0048 Finish: Pebbled Embossed Finish #FTSTJ Size: 4' x 8' Thickness: 0.09"
GTW-1	Glass Tile Wall	American Olean Product: Color Appeal Glass + Natural Stone 3 x Random Mosaic Color: Mountain Morning Blend #C140 Size: 12" x 12" mesh sheet Grout: Latitecra Sterling Silver #78 Installation Method: Tile to run horizontal
P-1	Paint	Sherwin Williams Color: Popular Gray #SW6071 Finish: Semi-gloss Note: To be low VOC
P-2	Paint	Benjamin Moore Color: Simply White #OC-117 Finish: Semi-gloss Note: To be low VOC
P-3	Paint	Benjamin Moore Color: Chelsea Gray #HC-158 Finish: Semi-gloss Note: To be low VOC
P-4	Paint	Benjamin Moore Color: Quiet Moments #1563 Finish: Semi-gloss Note: To be low VOC

WALL CONT.		
ACRONYM	TYPE	DESCRIPTION
P-5	Paint	Benjamin Moore Color: Harmony Popular Gray #SW6071 Finish: Semi-gloss Note: To be low VOC
SSW-1	Stainless Steel Wall	
STW-1	Stone Tile Wall	Realstone Systems Product: Shadowstone Panel Color: Arctic White Size: 6" x 24" Thickness: 4"-11" gauge Finish: Split Face
CEILING		
ACRONYM	TYPE	DESCRIPTION
ACT-1	Acoustic Ceiling Tile	Armstrong Product: Dune #1775HRC Color: White (wh) Size: 24" x 24" Edge: 9/16" Beveled Tegular Suspension System: 9/16" Suprafine
EXP	Exposed Ceiling	
GYP-1	Gypsum	Painted Benjamin Moore Color: Simply White oc-117 Finish: Flat
GYP-2	Gypsum	Painted Benjamin Moore Color: Quiet Moments #1563 Finish: Flat
GYP-3	Gypsum	Painted Benjamin Moore Color: Harmony Simply White oc-117 Finish: Flat
GYP-4	Gypsum	Painted Benjamin Moore Color: Harmony Simply White oc-117 Finish: Epoxy
COUNTERTOP		
ACRONYM	TYPE	DESCRIPTION
EPW-1	Epoxy Resin Worksurface	Ducron Product: Classic Countertop Color: Tan Finish: Standard Edge: Bevel Thickness:
PL-1	Plastic Laminate	Wilsonart Product: Crisp Linen #4942 Finish: Fine Velvet 36 Edge: Square Thickness: 2"
QTZ-1	Quartz	Cambria Collection: Marble Collection Product: Britannica Finish: Glossy Edge: Rimrock Edge (Mitered) Thickness: 3cm
SS-1	Solid Surface	Living Stone Color: Avalanche #L721 Finish: Standard Edge: Square Thickness: 3cm
SSC-1	Stainless Steel Countertop	
CABINERY		
ACRONYM	TYPE	DESCRIPTION
PL-2	Plastic Laminate	Formica Product: Citadel #1097 Finish: Matte
MW-1	Millwork	Custom paint grade poplar w/ raised panels Note: To be painted P-3 Reference elevations and details for design
SSM-1	Stainless Steel Millwork	

FOUNTAINS DOCTOR'S OFFICE

GENERAL CONTRACTOR: PROBITY

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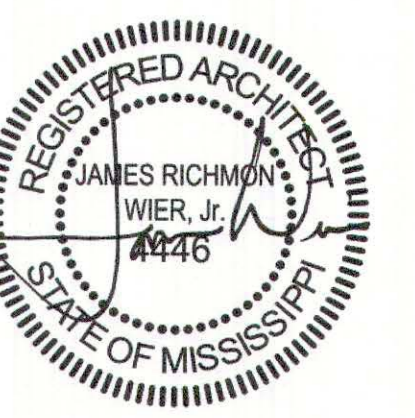
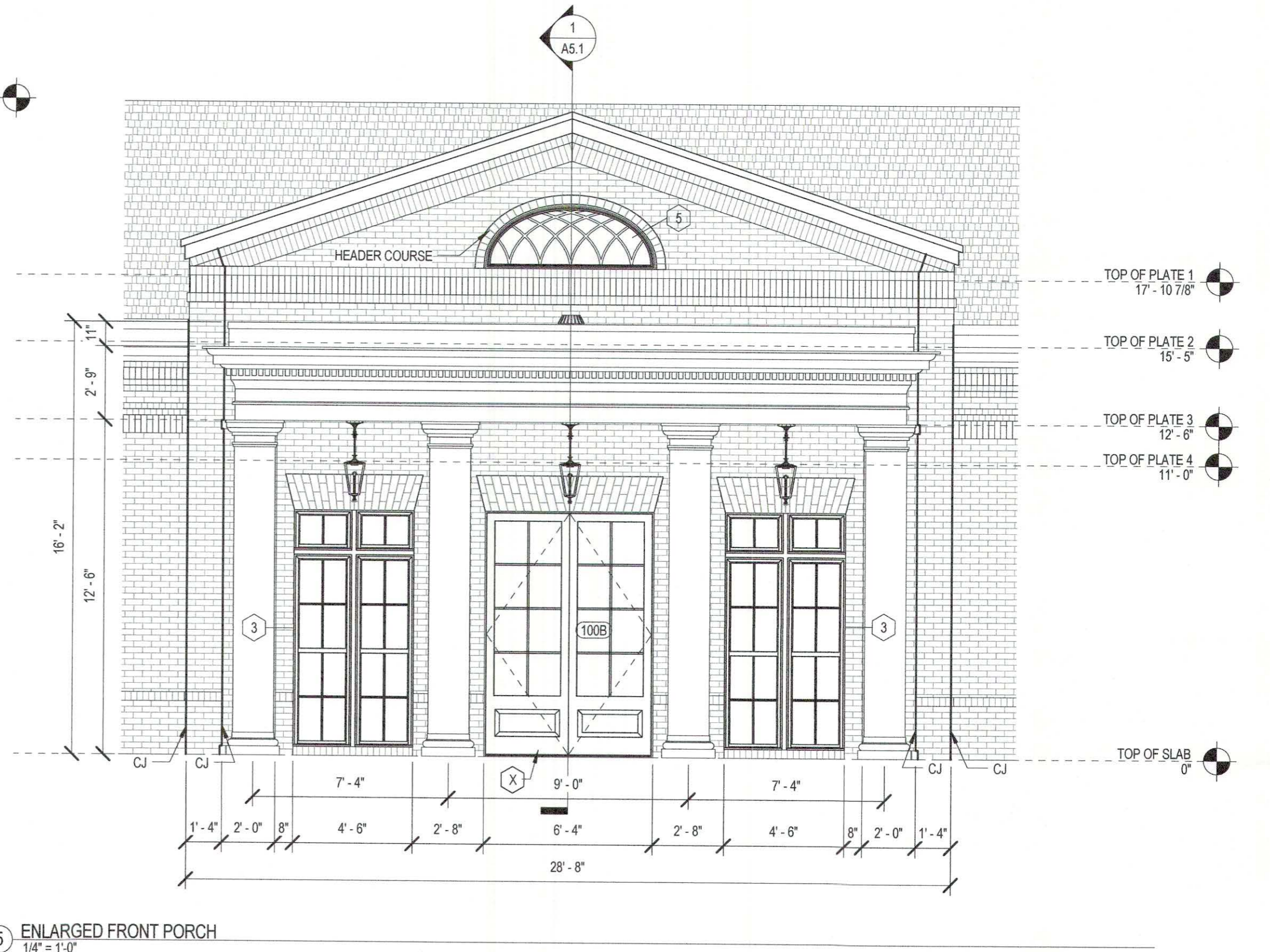
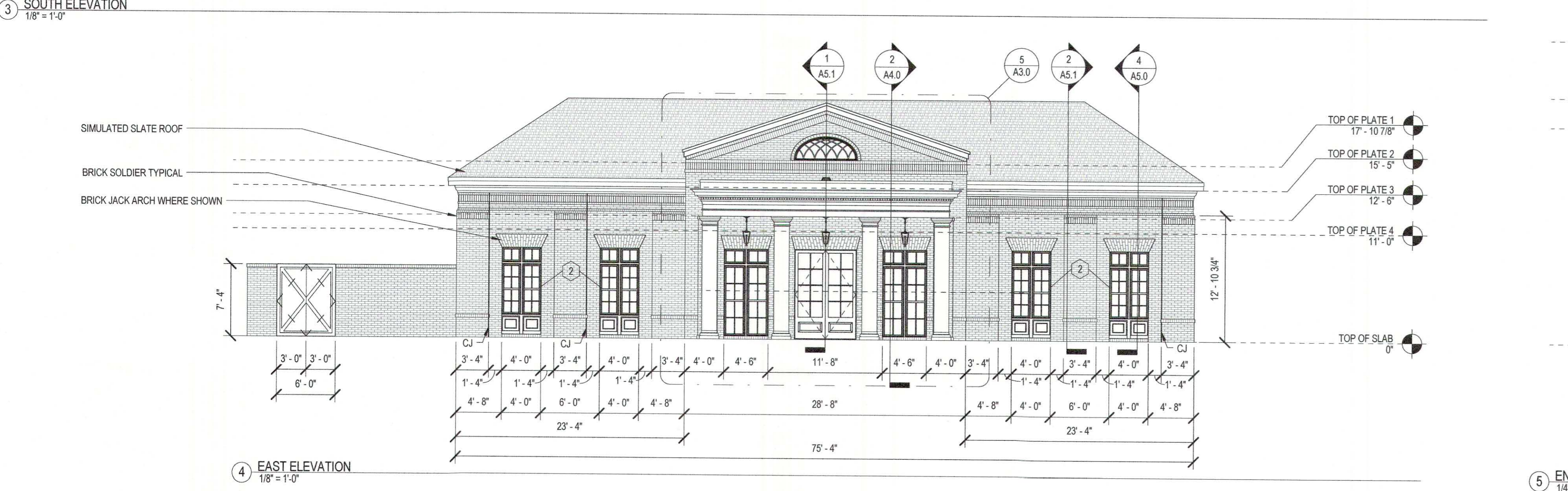
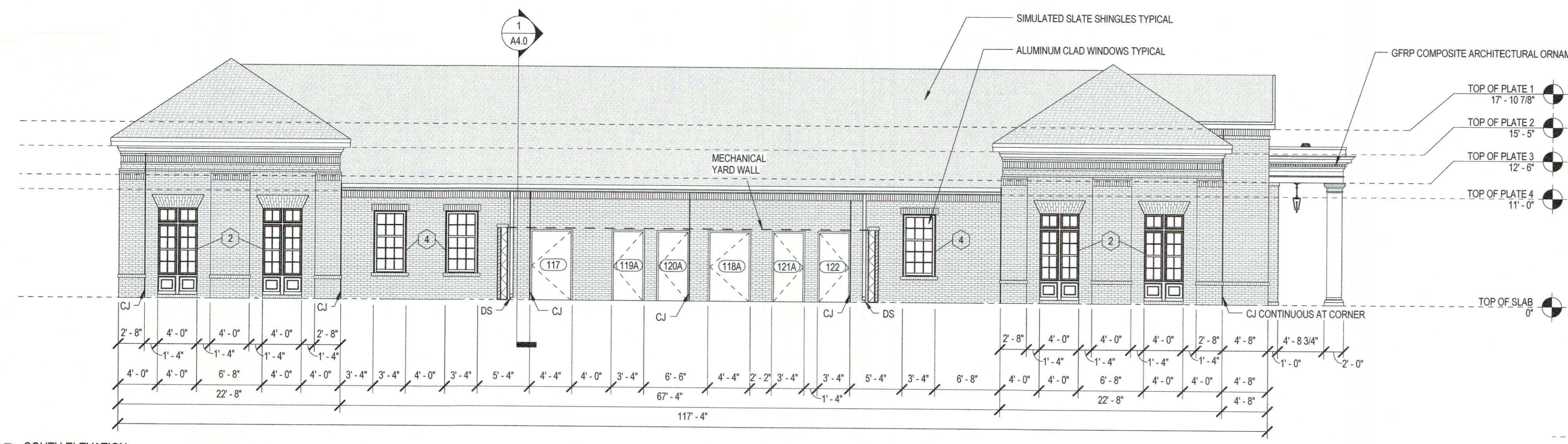
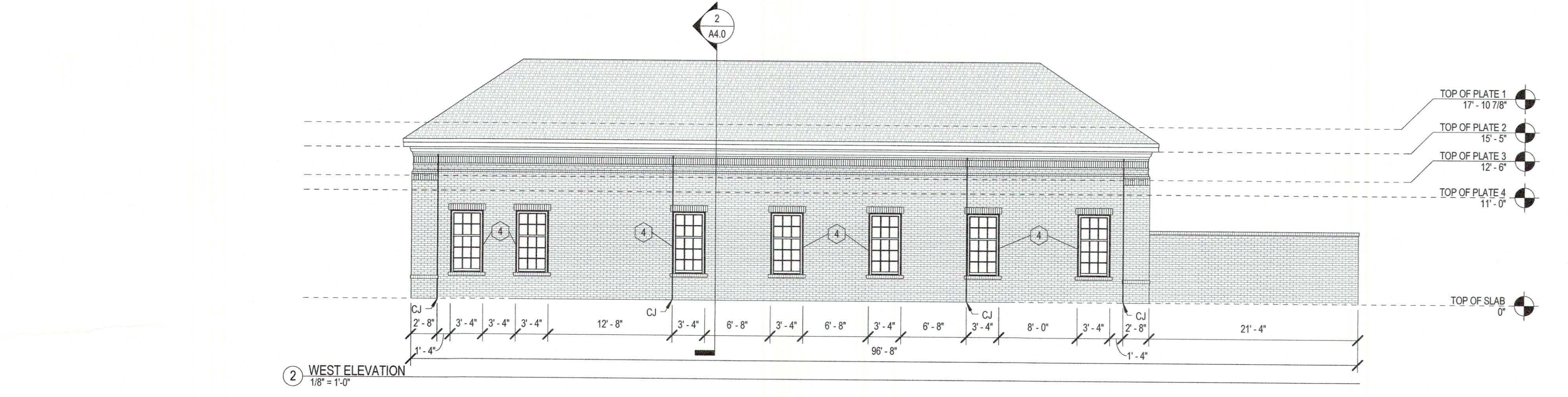
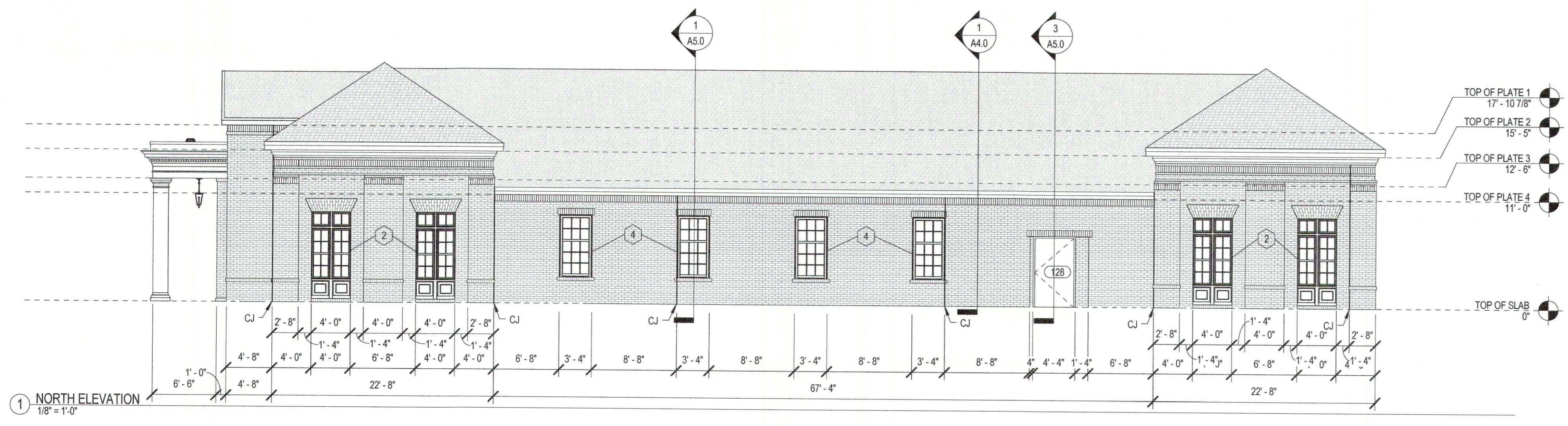
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FINISH SCHEDULE & DETAILS

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**PROBITY**

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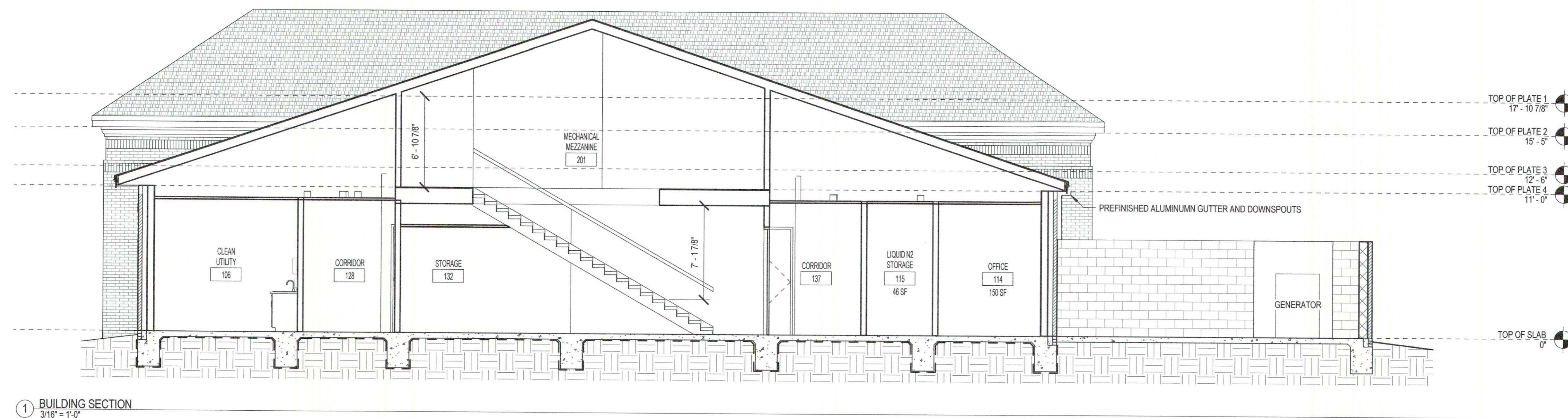
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EXTERIOR ELEVATIONS

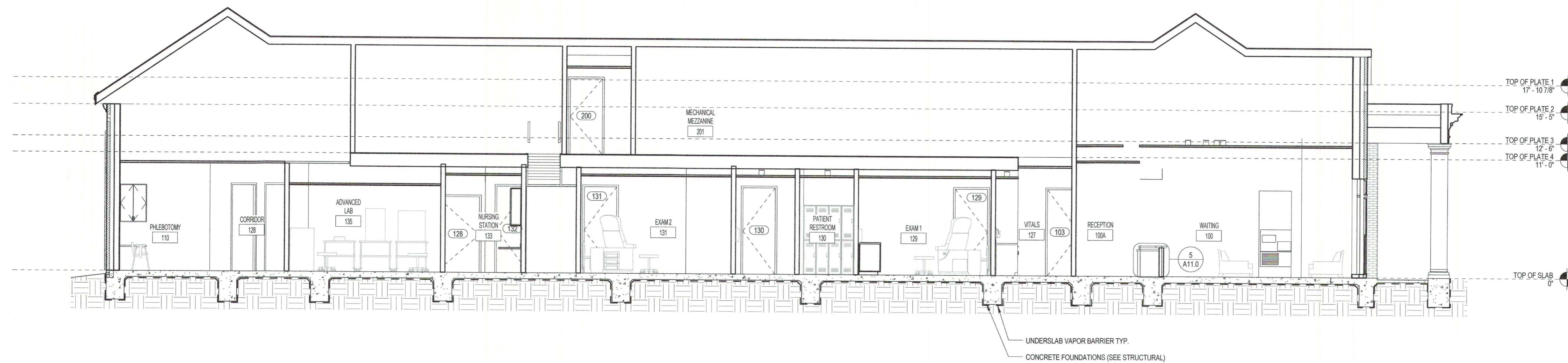
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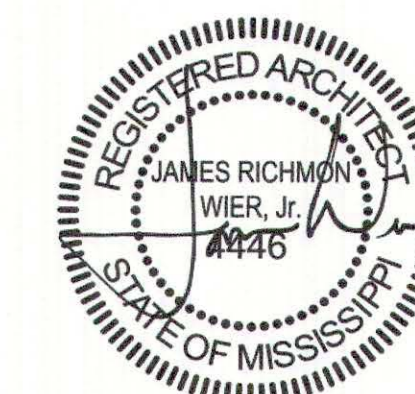
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1 BUILDING SECTION  
3/16" = 1'-0"



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



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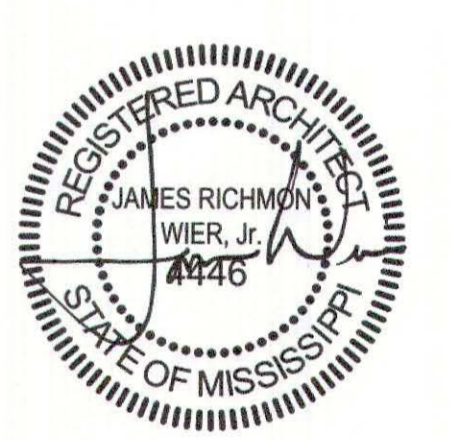
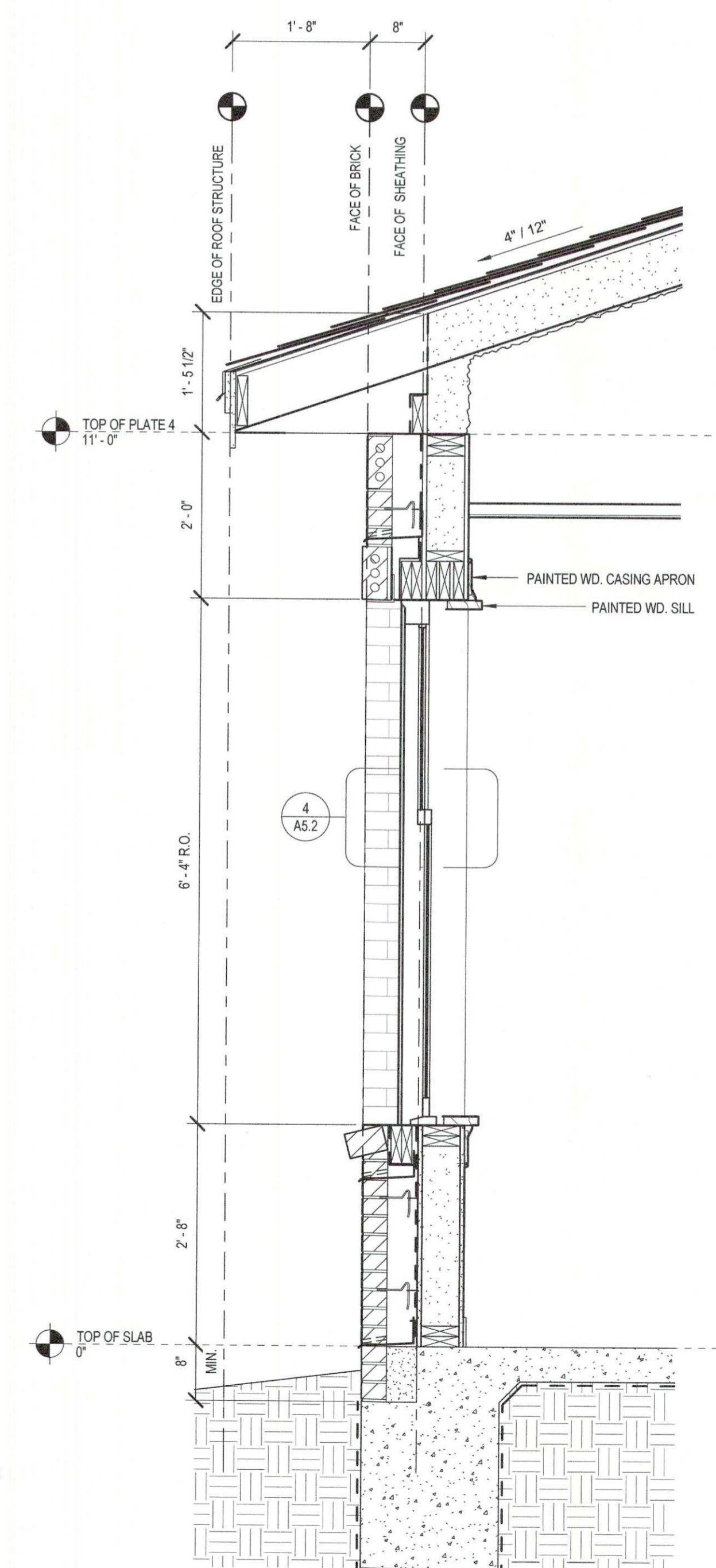
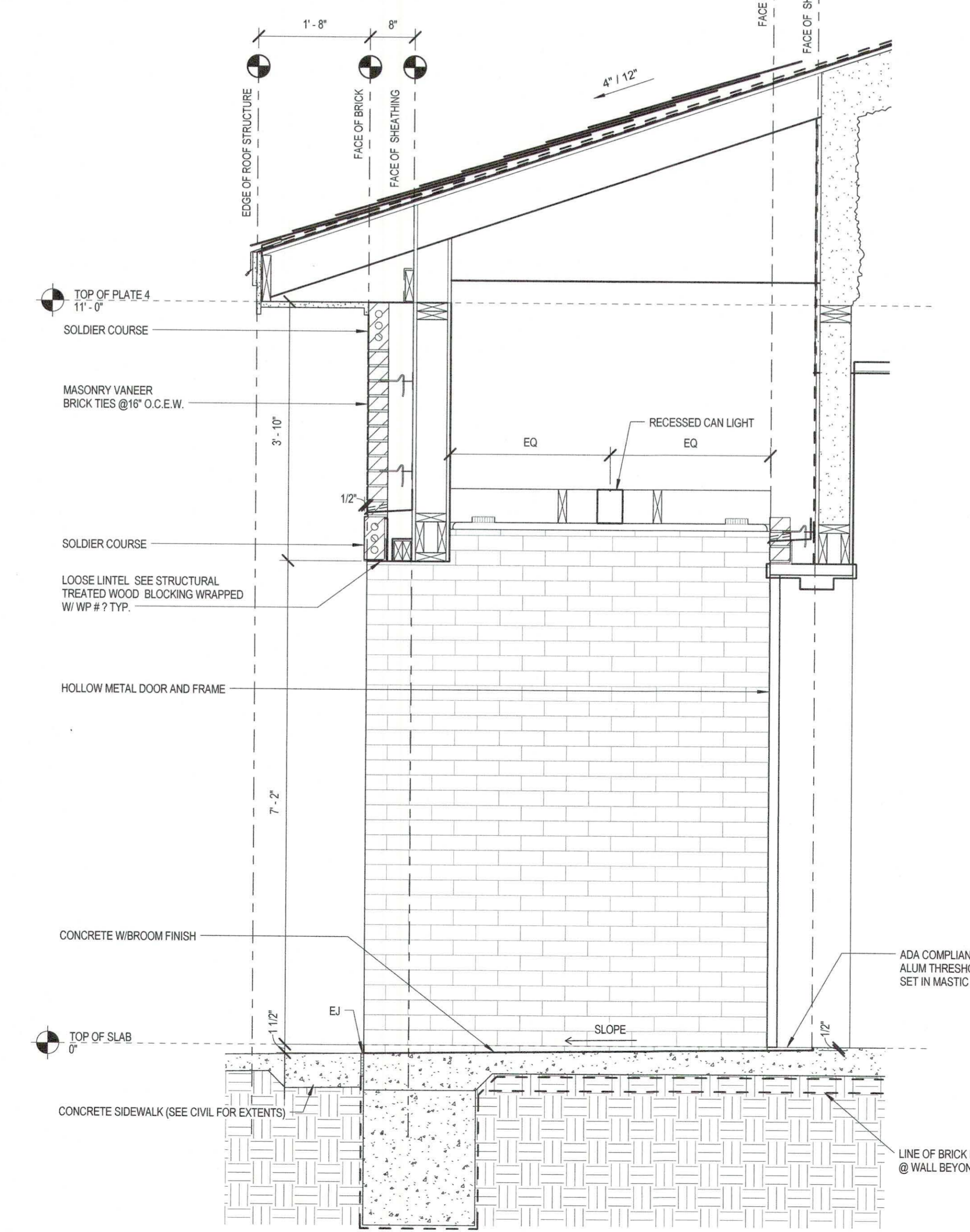
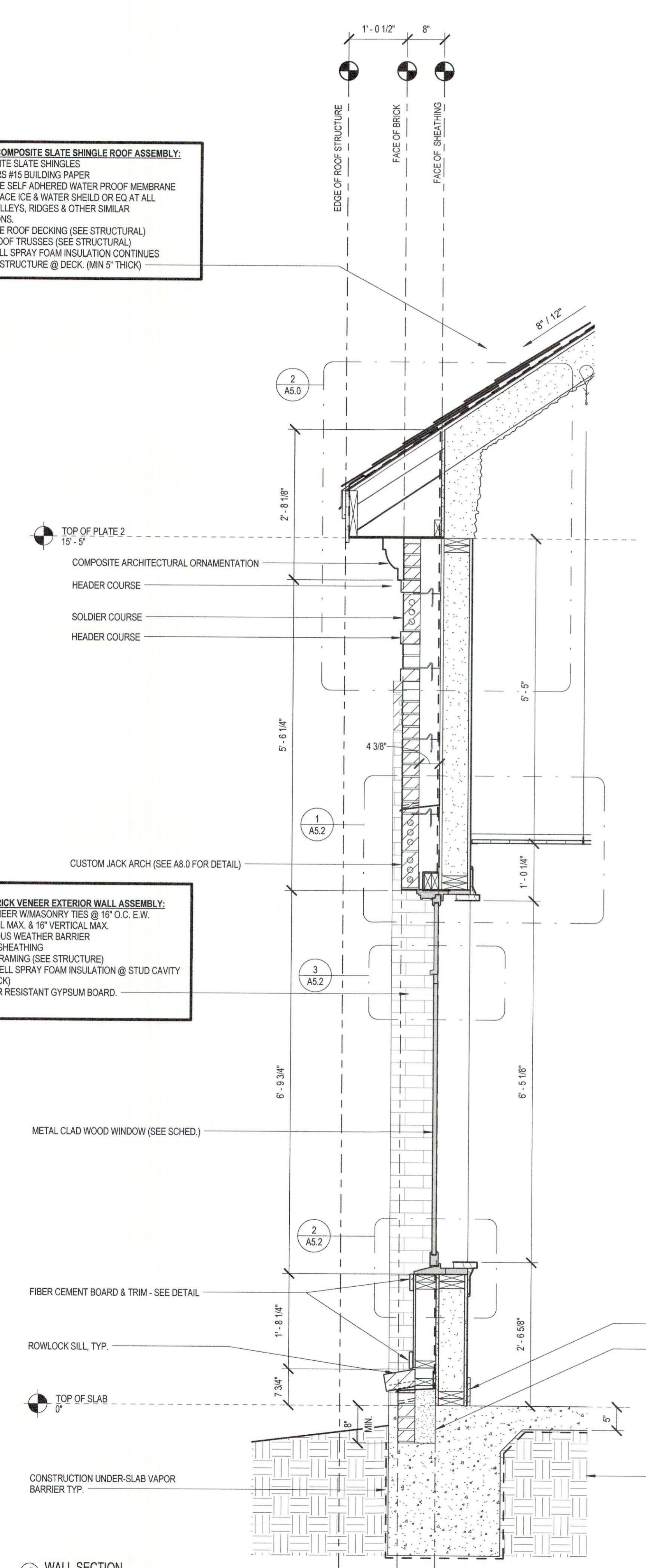
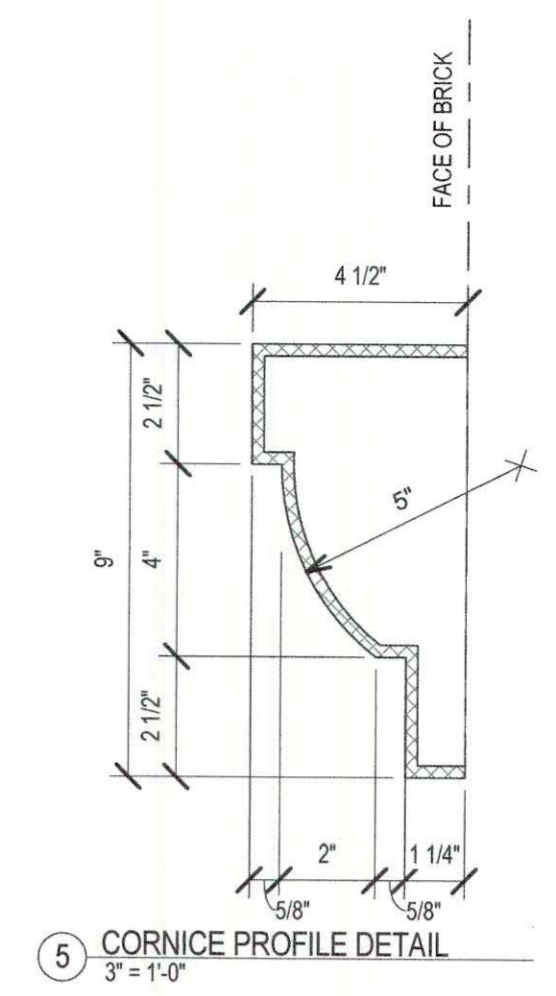
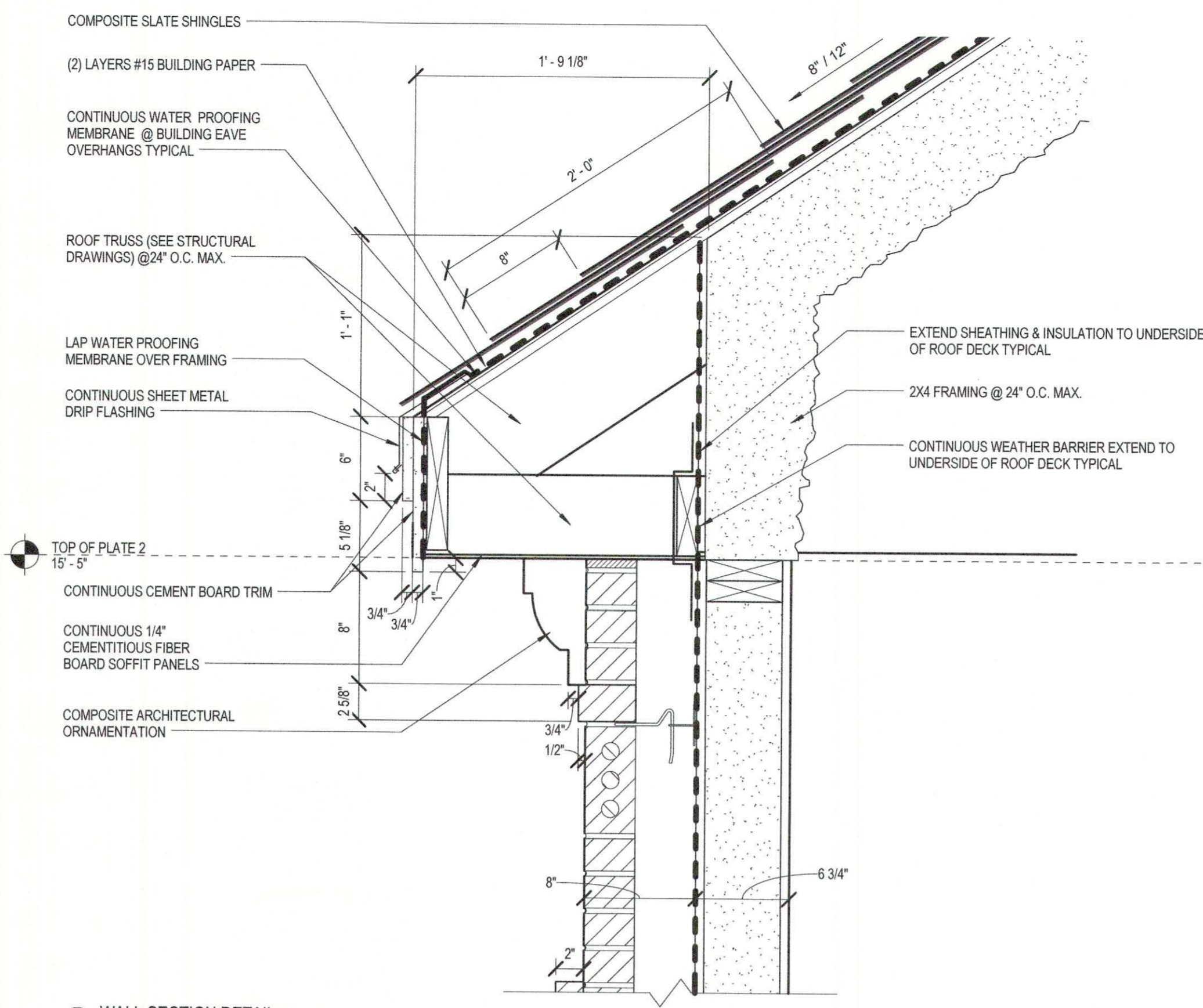
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**TYPICAL COMPOSITE SLATE SHINGLE ROOF ASSEMBLY:**  
- COMPOSITE SLATE SHINGLES  
- (2) LAYERS #15 BUILDING PAPER  
- CONTINUE SELF ADHERED WATER PROOF MEMBRANE  
- EQUAL GRADE ICE & WATER SHIELD OR EQ AT ALL  
EAVES, VALLEYS, RIDGES & OTHER SIMILAR  
TRANSITIONS.  
- CONTINUE ROOF DECKING (SEE STRUCTURAL)  
- WOOD ROOF TRUSSES (SEE STRUCTURAL)  
- OPEN-CELL SPRAY FOAM INSULATION CONTIGUES  
BETWEEN STRUCTURE @ DECK (MIN 5" THICK)

**TYPICAL BRICK VENEER EXTERIOR WALL ASSEMBLY:**  
- BRICK VENEER W/MASONRY TIES @ 16" O.C. E.W.  
HORIZONTAL MAX. & 16" VERTICAL MAX.  
- CONTINUOUS WEATHER BARRIER  
- 7/16" OSB SHEATHING  
- 2X WALL FRAMING (SEE STRUCTURE)  
- CLOSED-CELL SPRAY FOAM INSULATION @ STUD CAVITY  
(MIN. 5" THICK)  
- 5/8" WATER RESISTANT GYPSUM BOARD.



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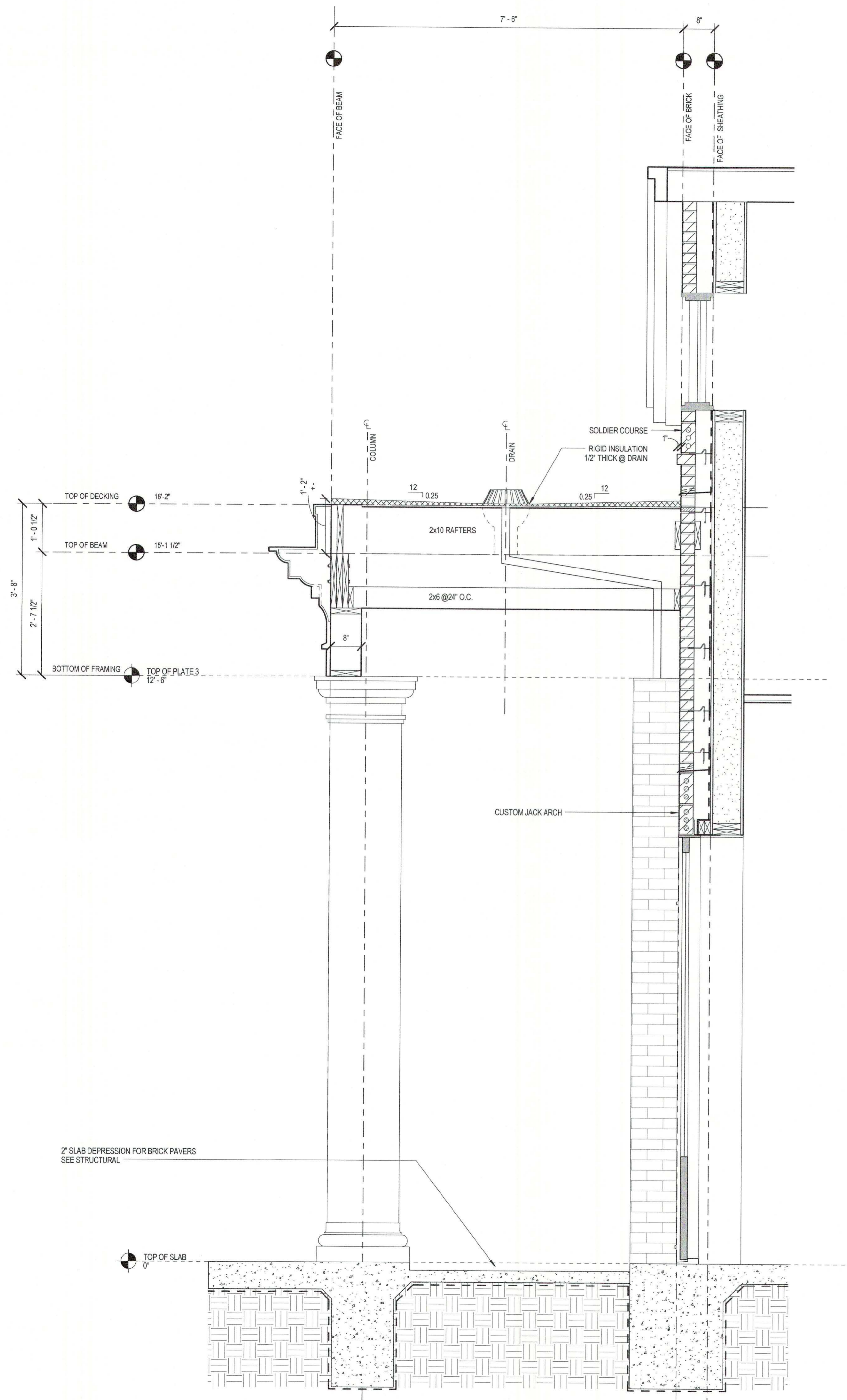
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**A5.0**  
WALL SECTIONS

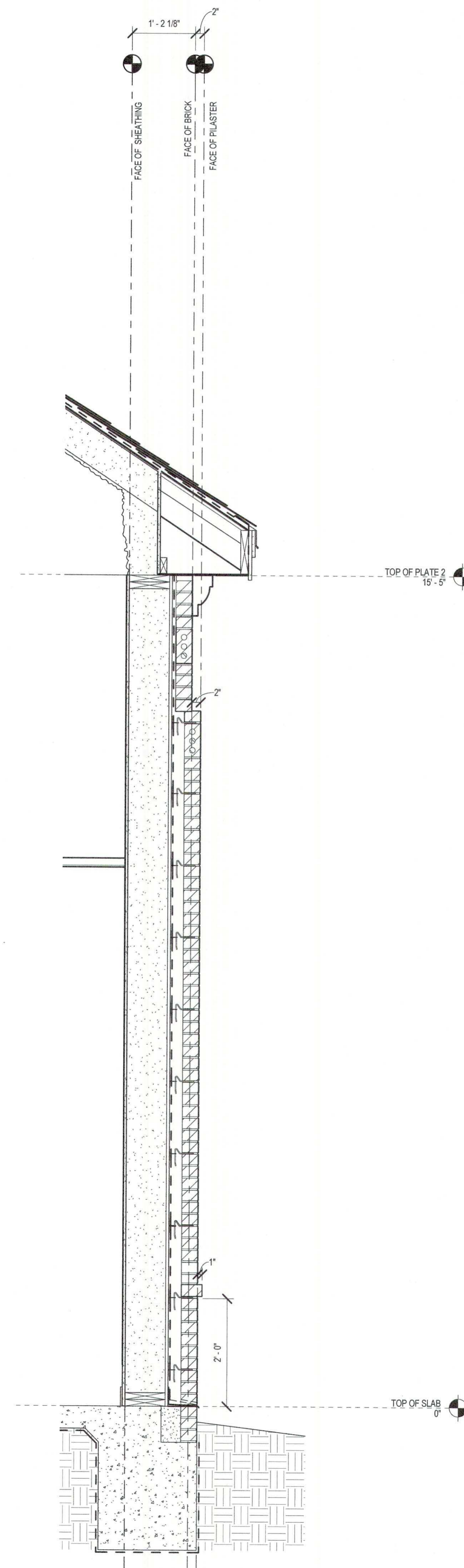
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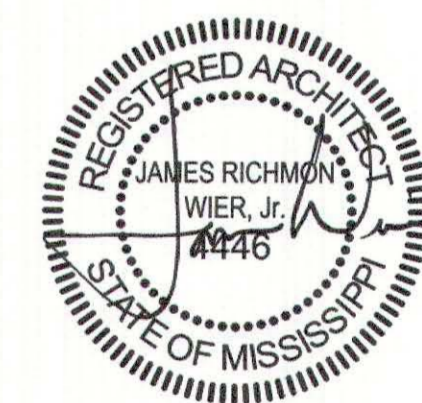
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1 SECTION AT FRONT ENTRY  
3/4" = 1'-0"



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



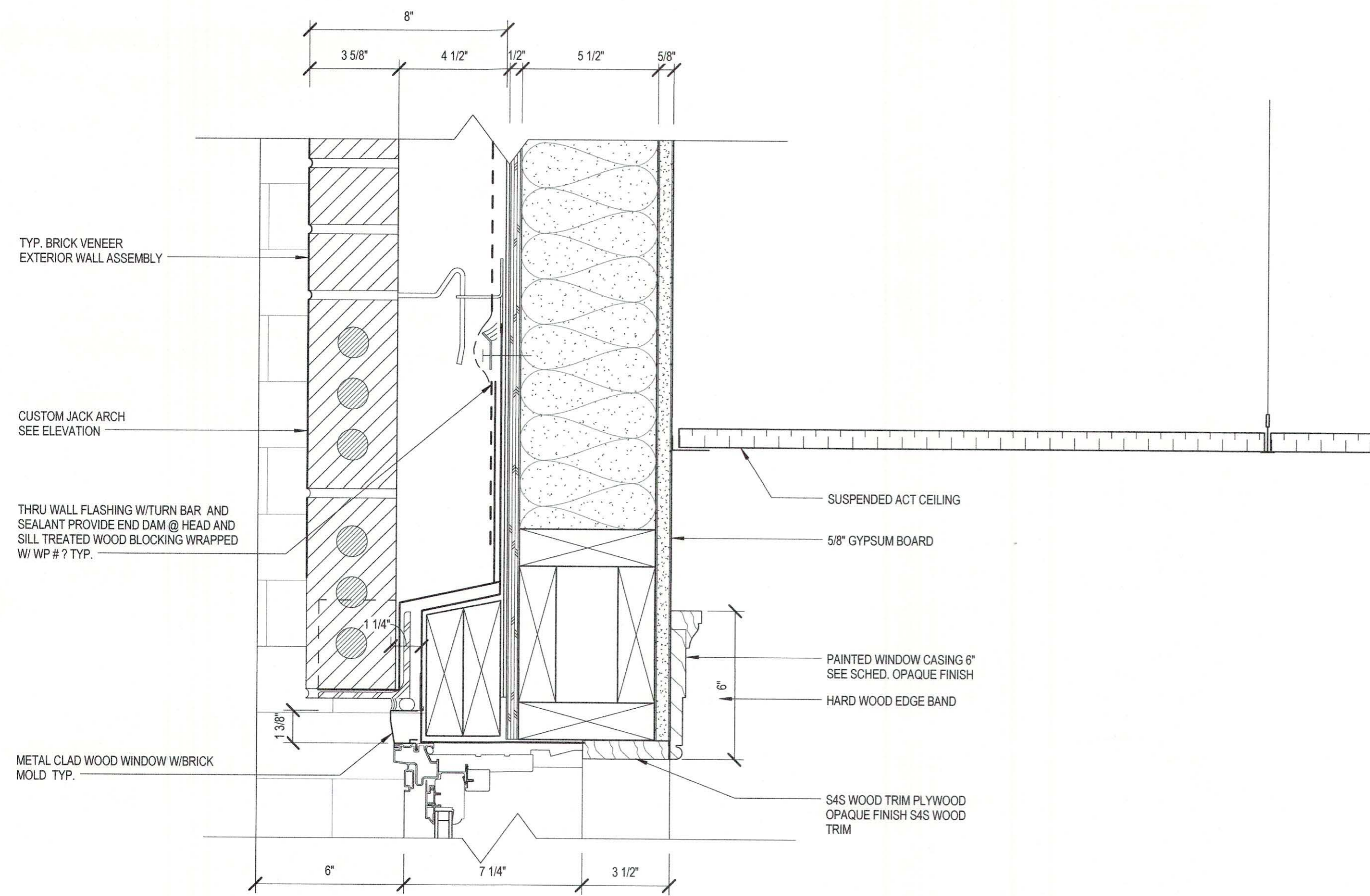
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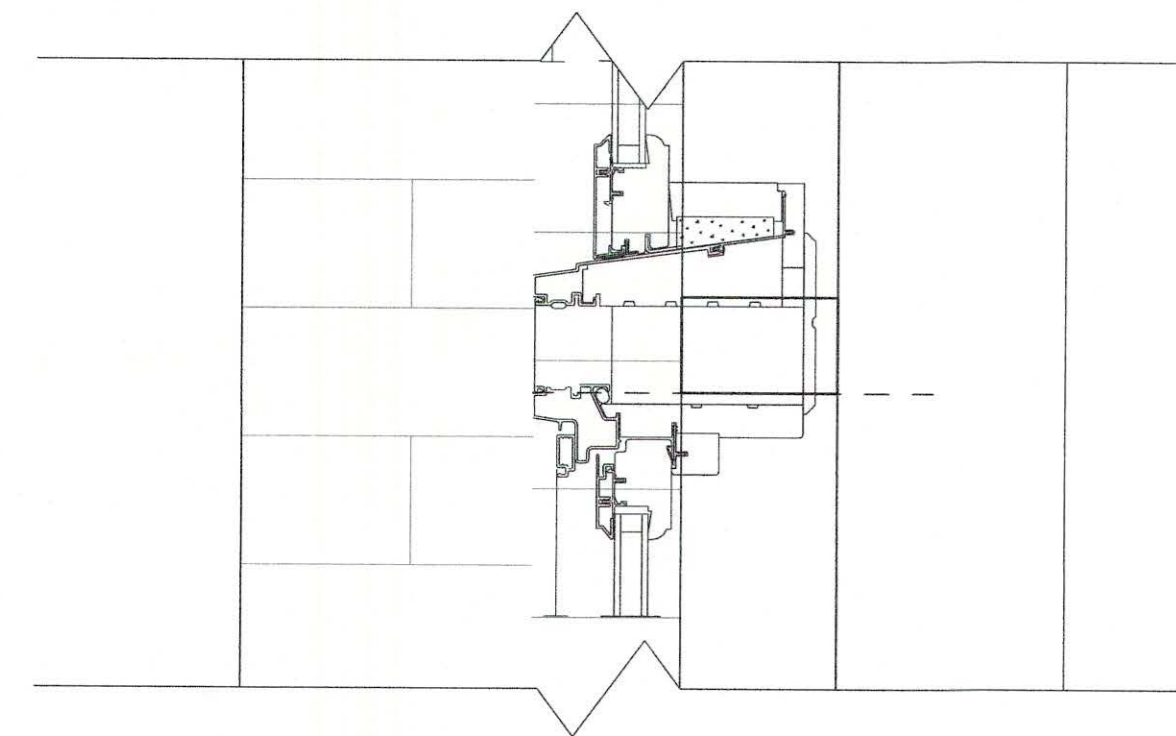
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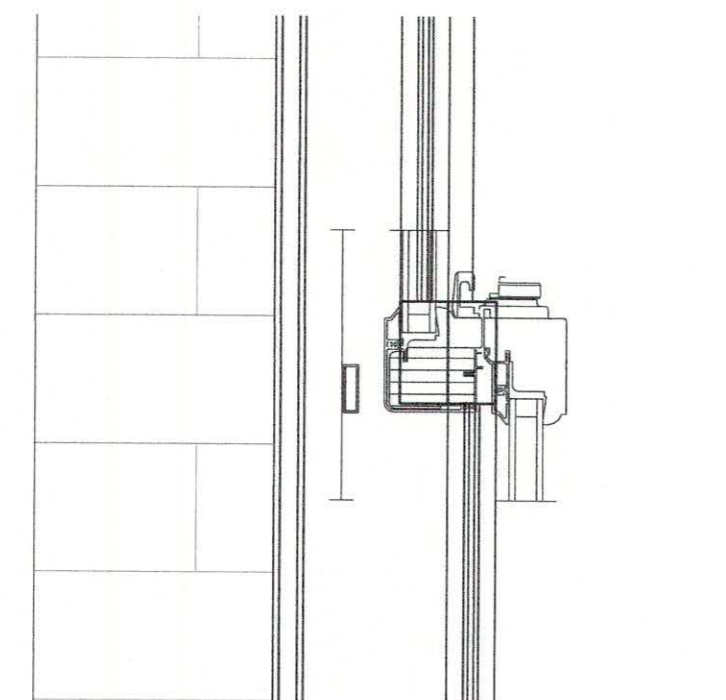
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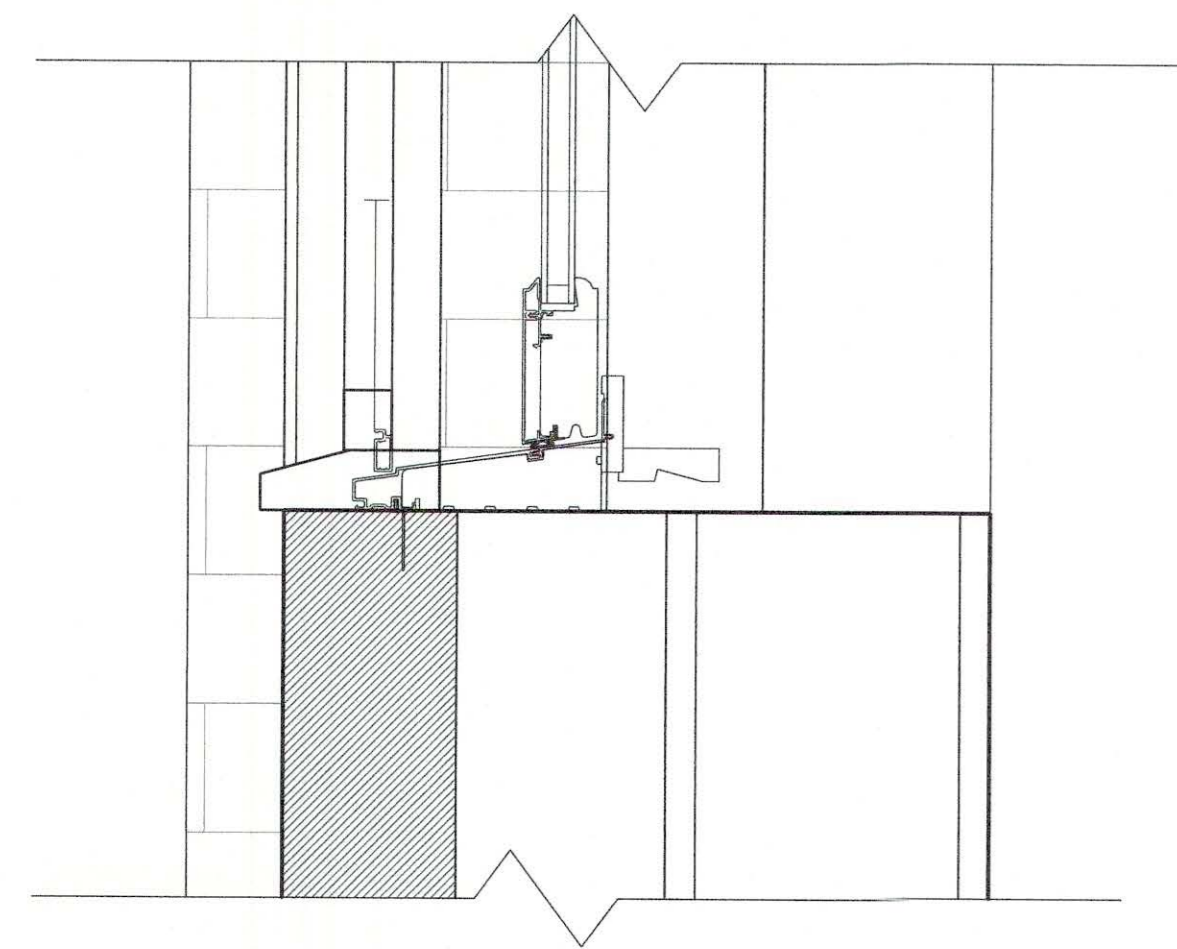
1 WALL SECTION - HEAD DETAIL  
3" = 1'-0"



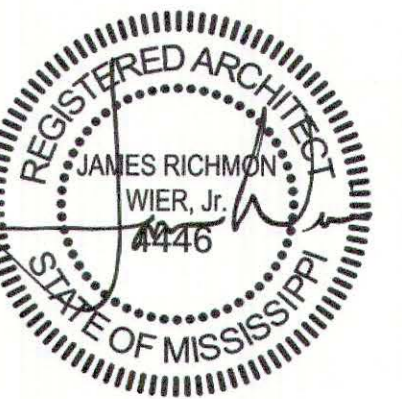
3 WALL SECTION - TRANSOM JAMB DETAIL  
3" = 1'-0"



4 Section 4 - Callout 1  
3" = 1'-0"



2 SILL DETAIL  
3" = 1'-0"



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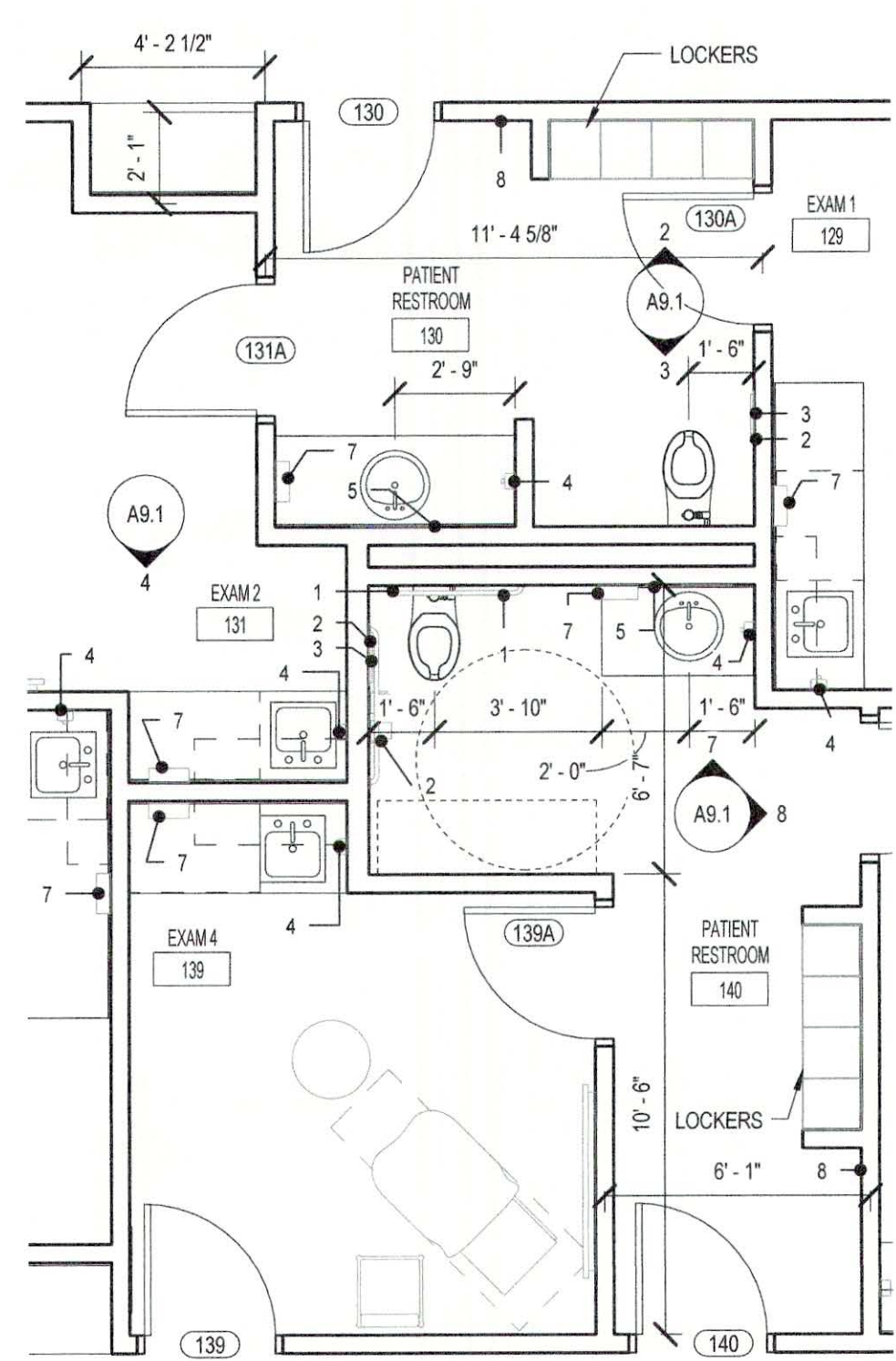
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WALL SECTION DETAILS

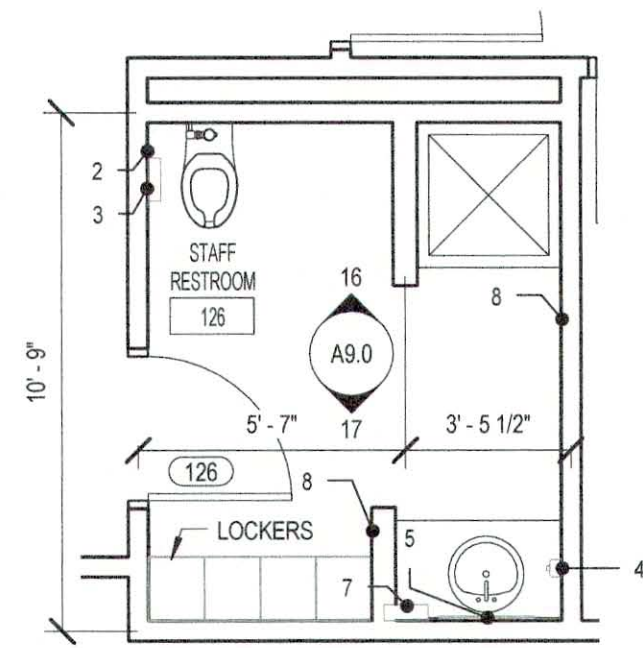
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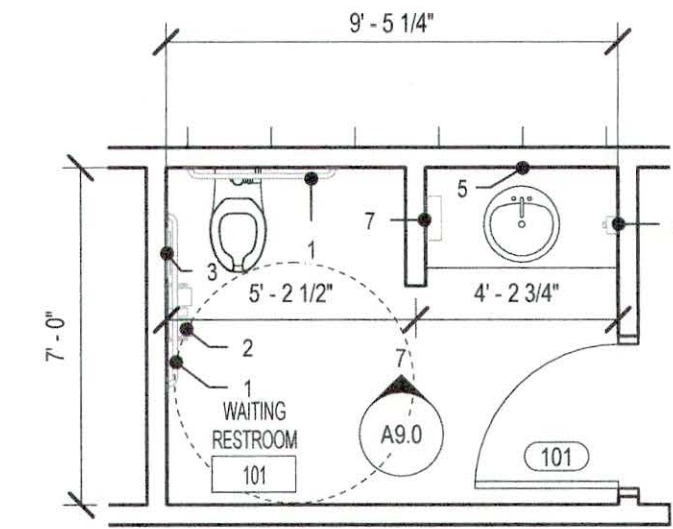
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1 PATIENT RESTROOM  
1/4" = 1'-0"



2 STAFF RESTROOM 126  
1/4" = 1'-0"

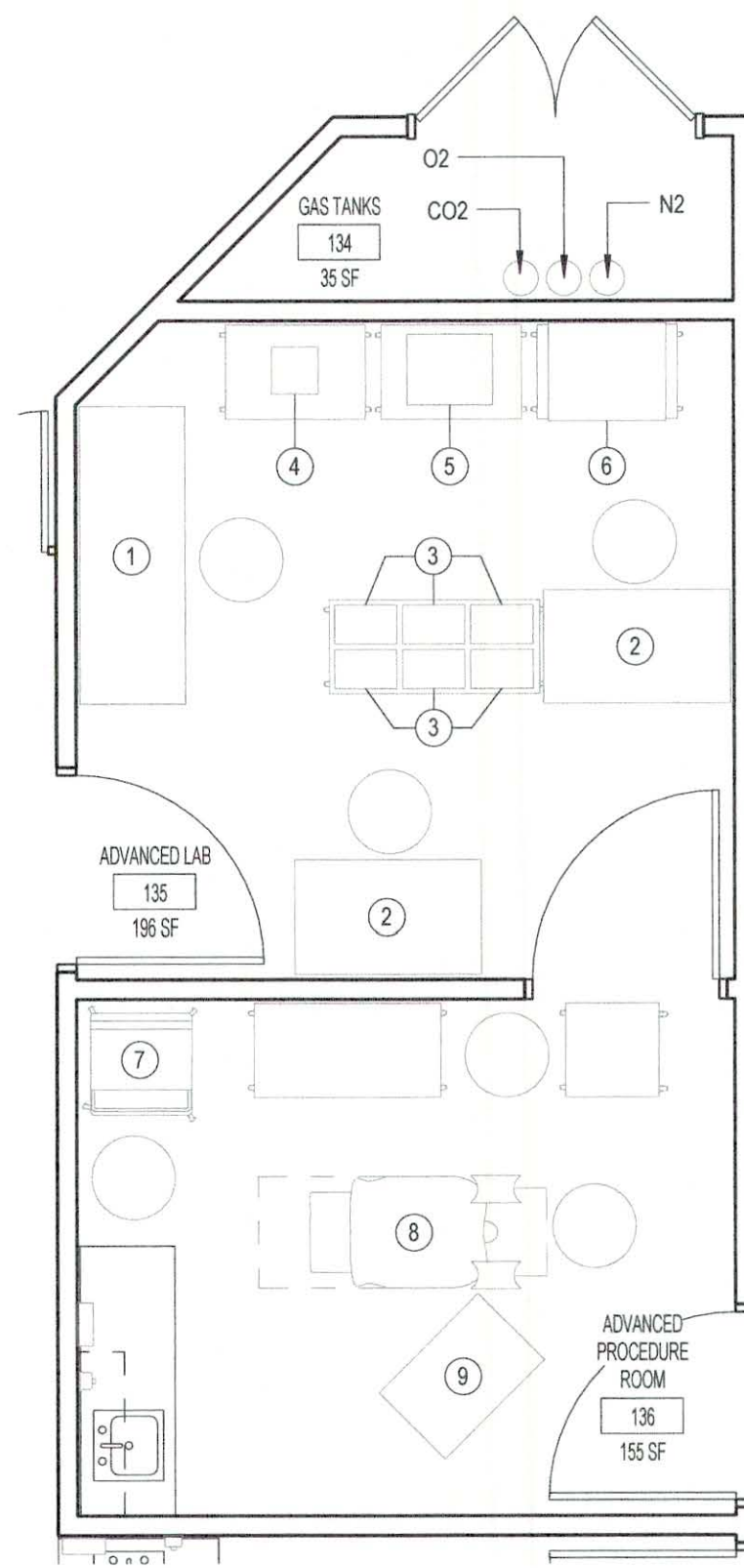


3 WAITING RESTROOM 101  
1/4" = 1'-0"

TOILET ACCESSORY LEGEND	
1.	ADA GRAB BAR
2.	TOILET TISSUE DISPENSER
3.	SANITARY NAPKIN DISPOSAL
4.	WALL-MOUNTED SOAP DISPENSER
5.	MIRROR (VANITY)
6.	FULL HEIGHT MIRROR
7.	WALL-MOUNTED PAPER TOWEL DISPENSER
8.	COAT HOOK

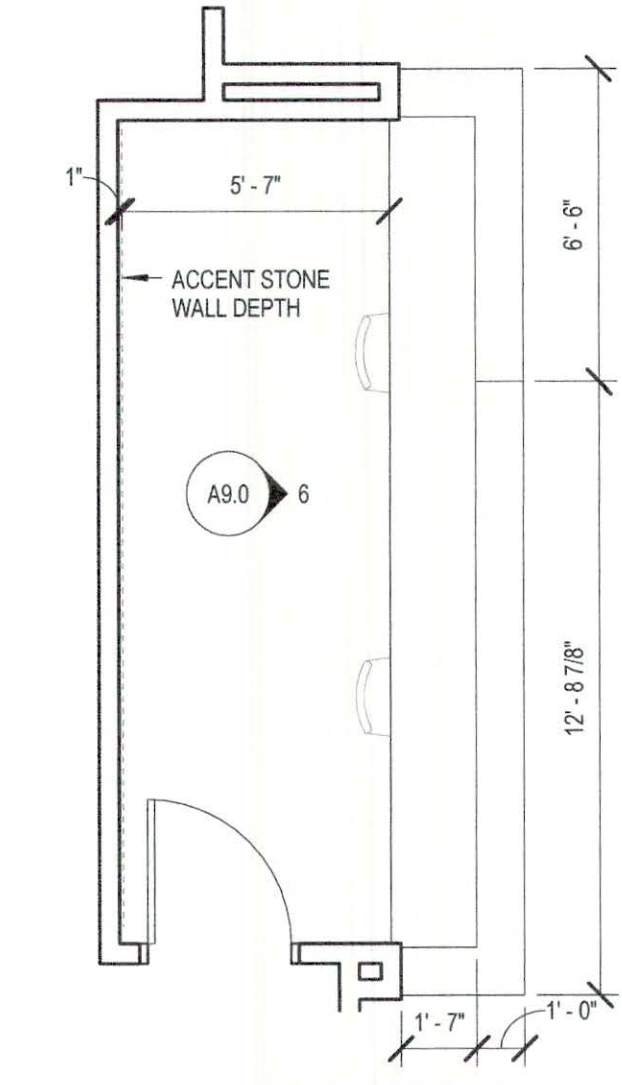
  

GENERAL NOTES	
1.	ALL KITCHEN & BREAKROOM EQUIPMENT & APPLIANCES <b>ARE NOT IN CONTRACT</b> , UNLESS NOTED OTHERWISE.

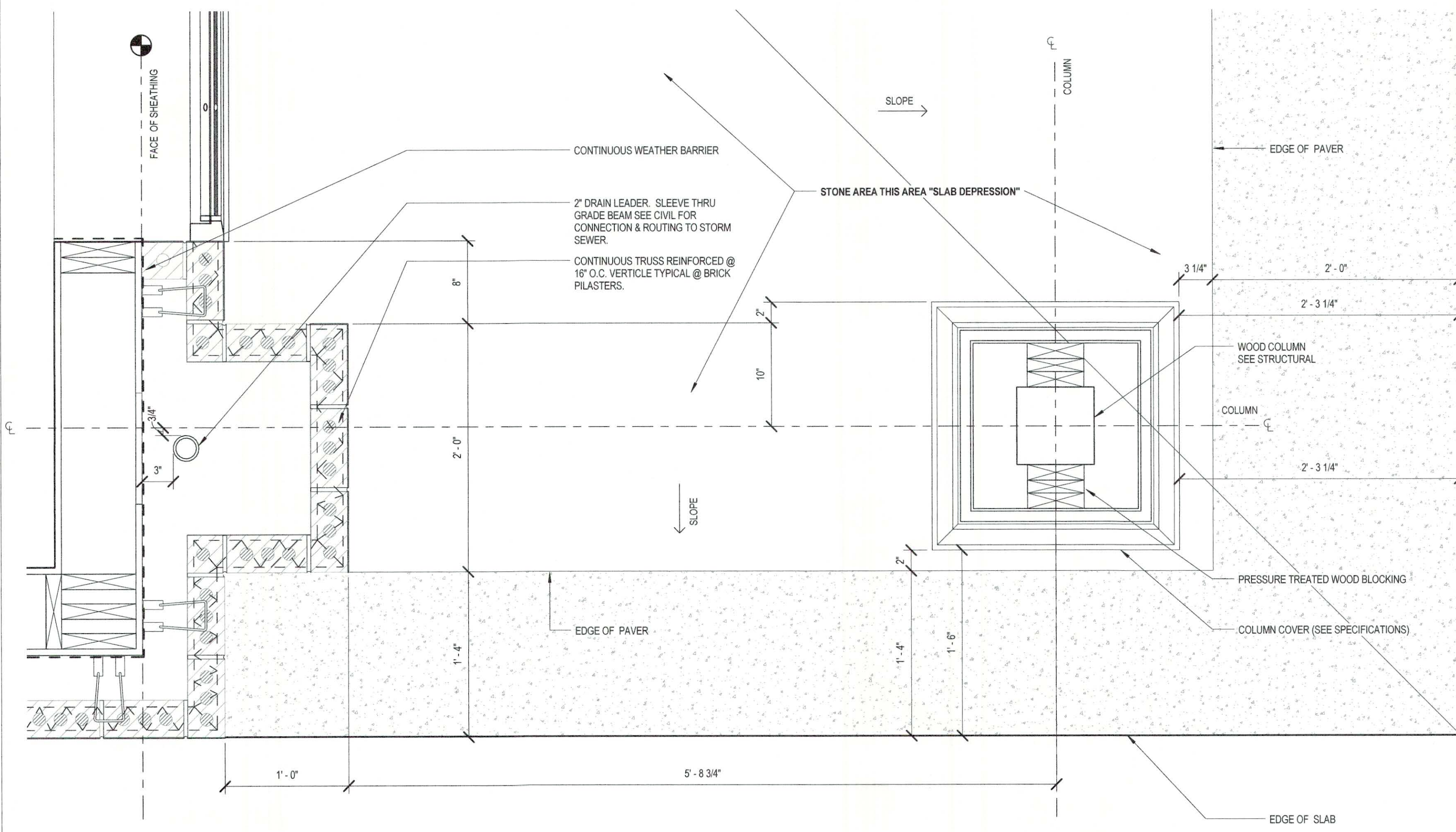


4 ENLARGED EQUIPMENT COORDINATION PLAN (N.I.C. FOR REFERENCE ONLY)  
1/4" = 1'-0"

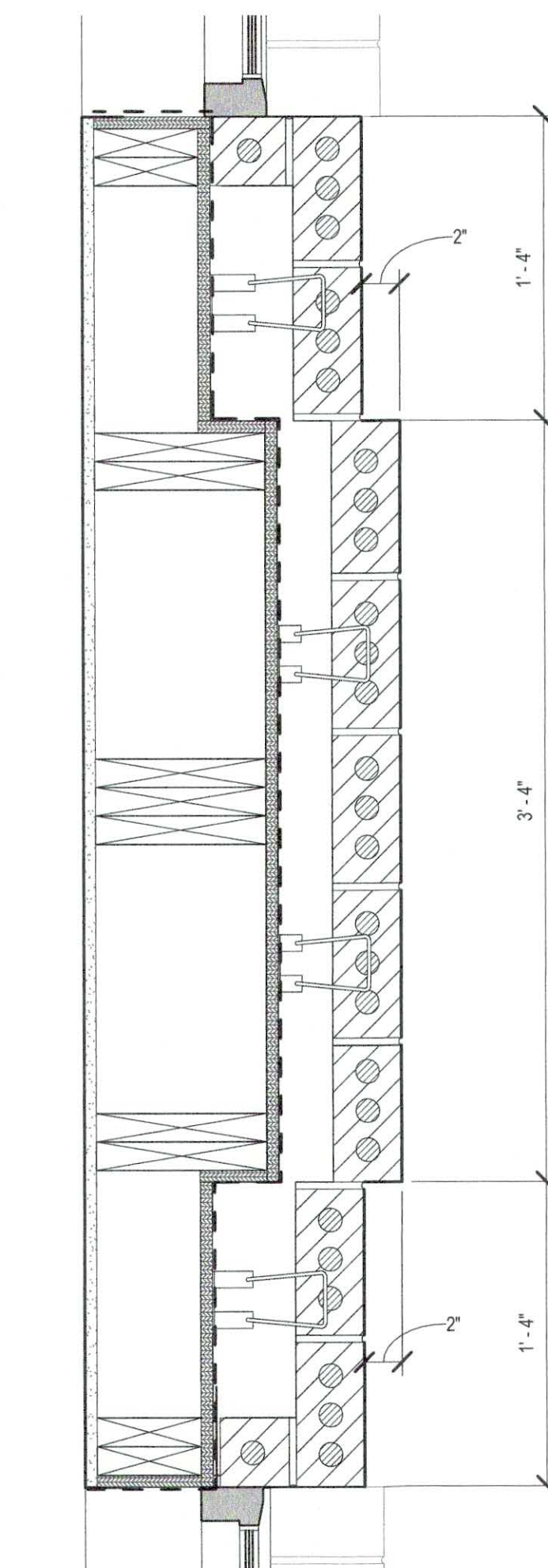
EQUIPMENT LEGEND	
1	6' IVF HOOD WORKSTATION
2	4' IVF HOOD WORKSTATION
3	MINI BENCHTOP INCUBATOR
4	NIKON TABLETOP MICROSCOPE
5	OLYMPUS TABLETOP MICROSCOPE
6	FULL-SIZE INCUBATOR
7	ANESTHESIA MACHINE
8	PATIENT TABLE
9	ULTRASOUND



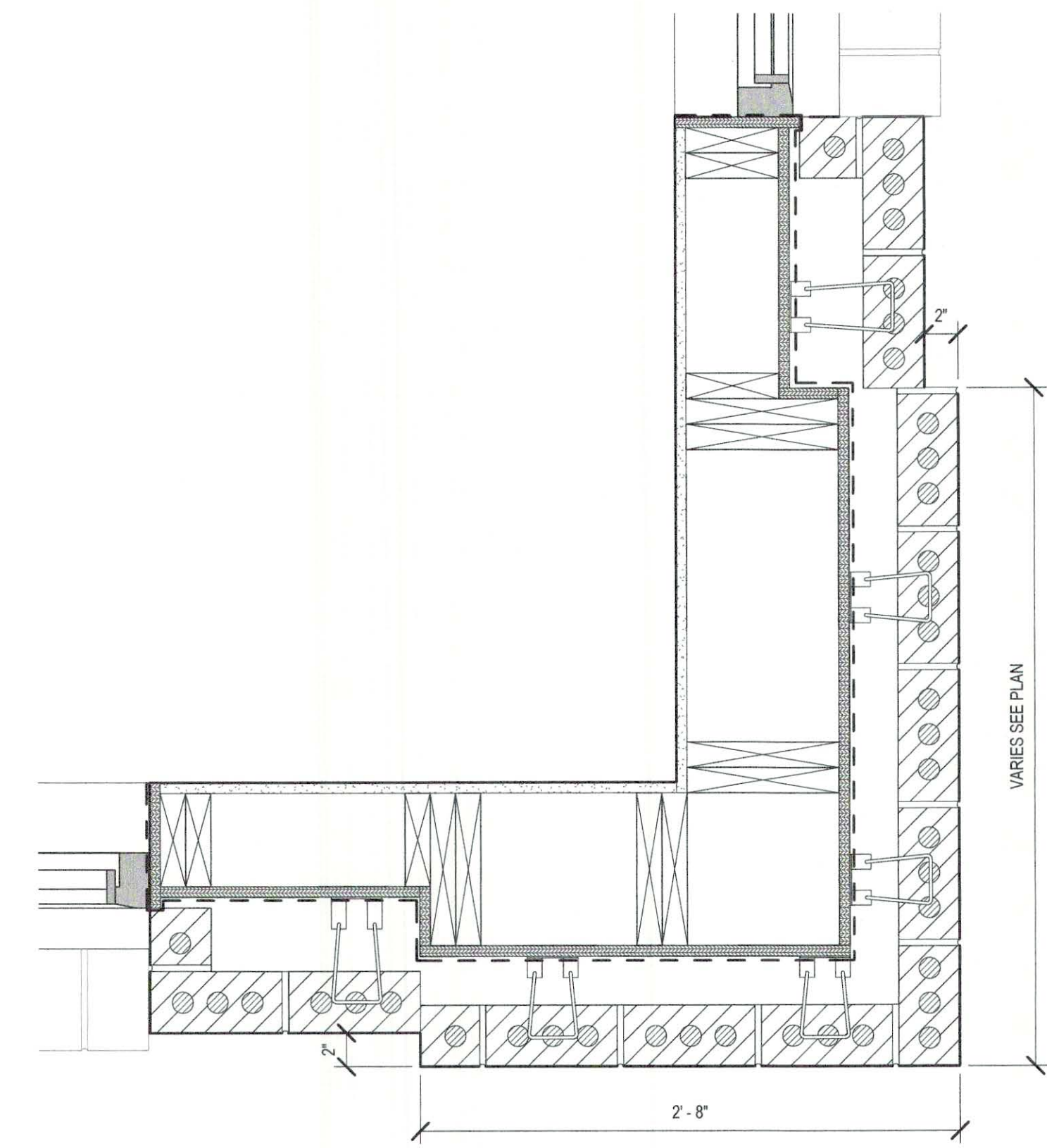
8 ENLARGED PLAN - RECEPTION DESK  
1/4" = 1'-0"



5 ENLARGED FRONT PORCH PLASTER  
1 1/2" = 1'-0"



6 TYPICAL EAST ELEVATION PILASTER  
1 1/2" = 1'-0"



7 TYPICAL CORNER PILASTER  
1 1/2" = 1'-0"



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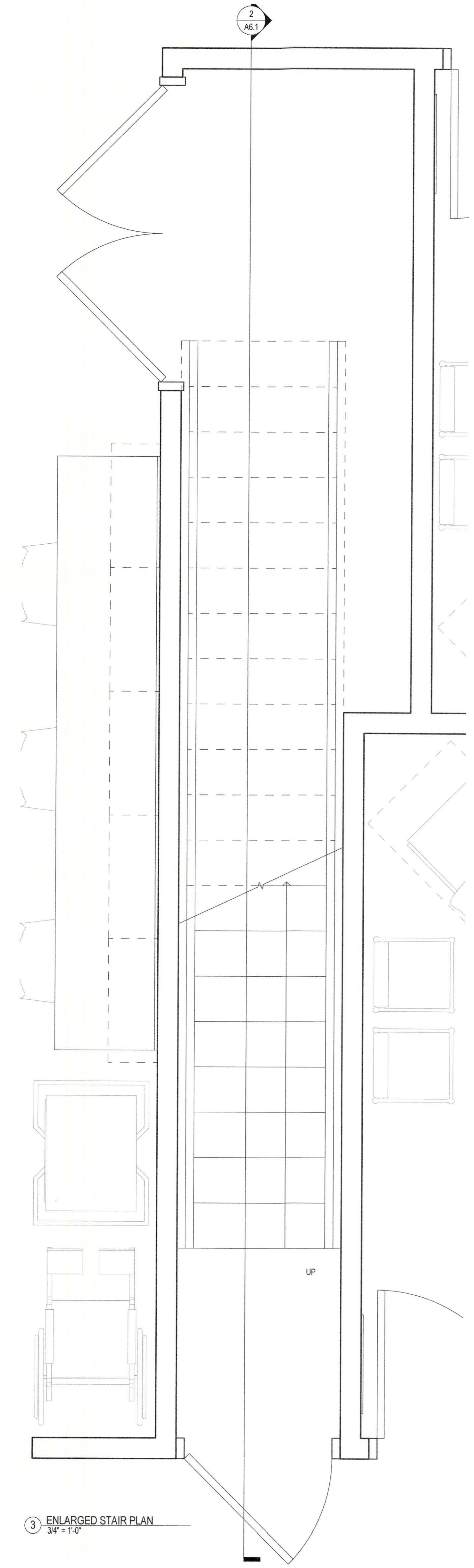
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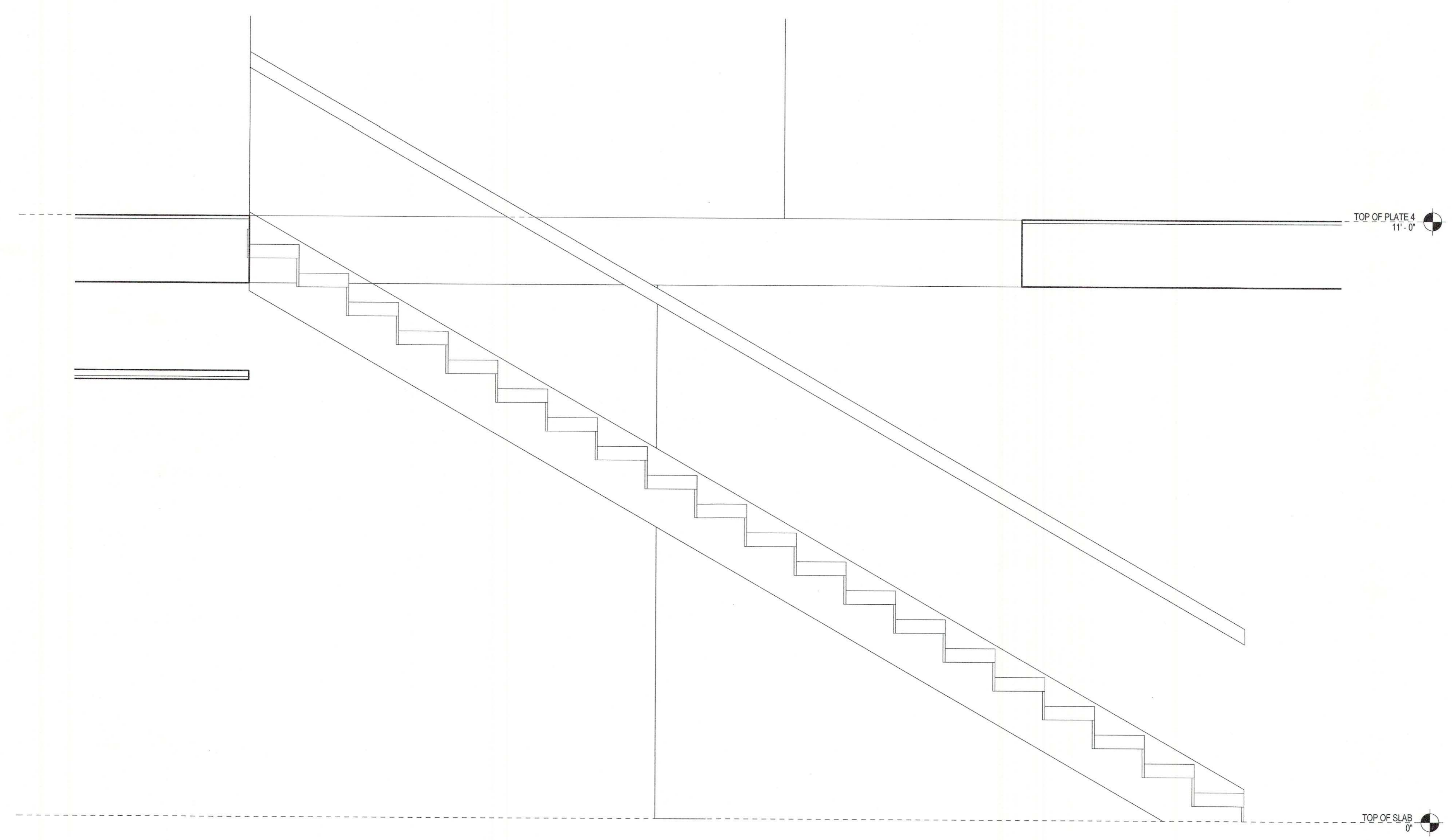
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**GENERAL CONTRACTOR:**  
PROBITY

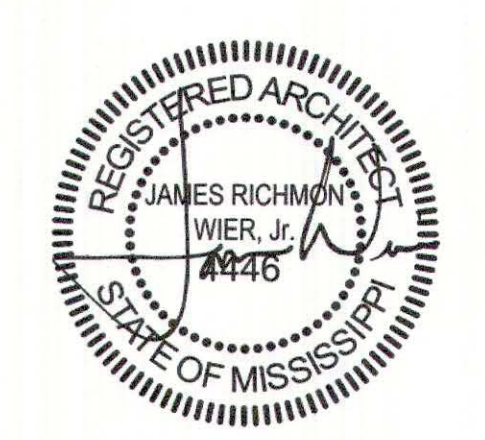
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③ ENLARGED STAIR PLAN  
3/4" = 1'-0"



② ENLARGED STAIR SECTION  
3/4" = 1'-0"



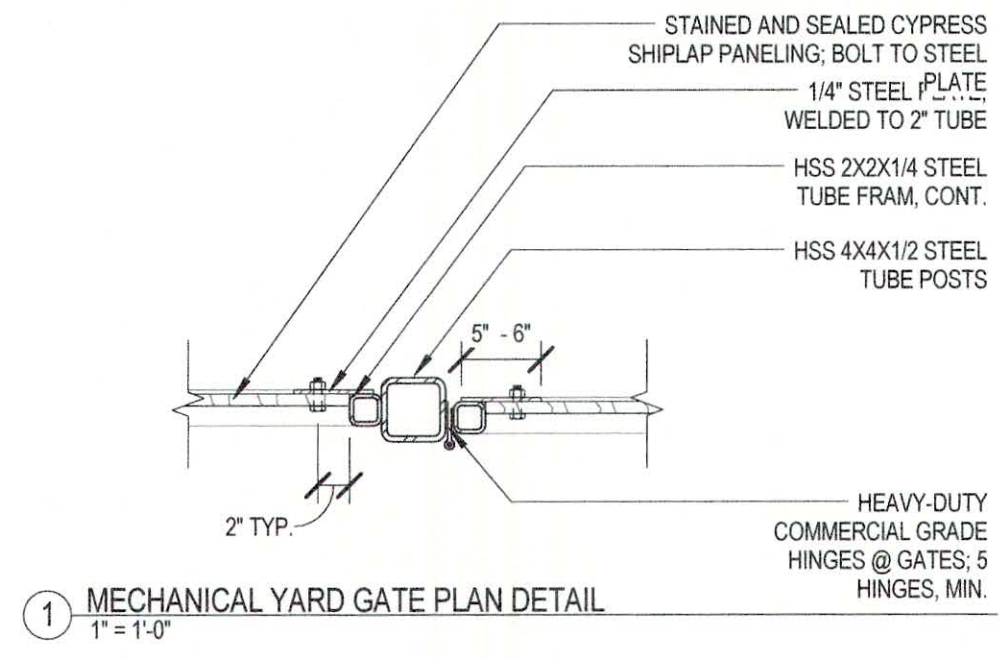
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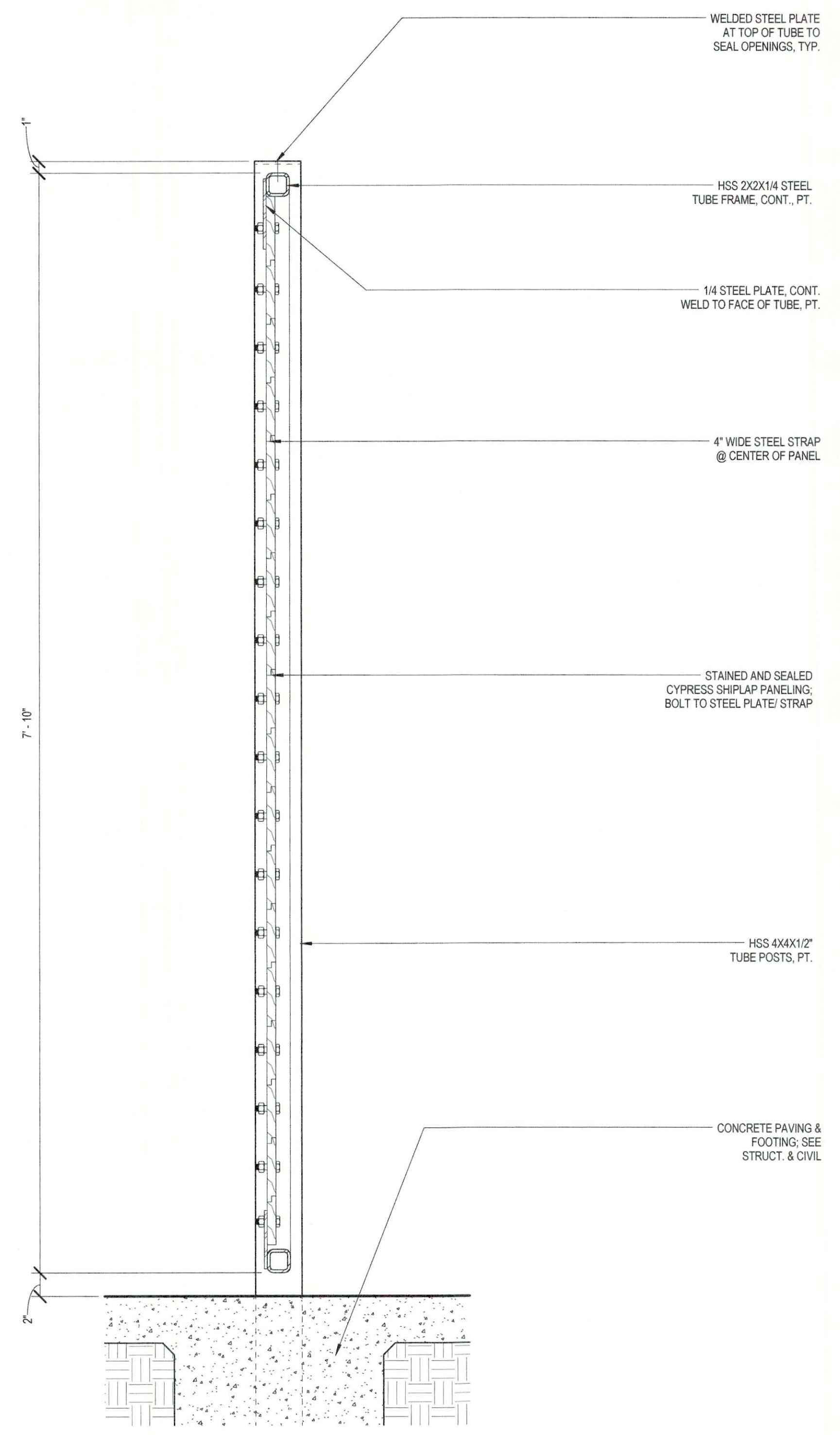
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**PROBITY**

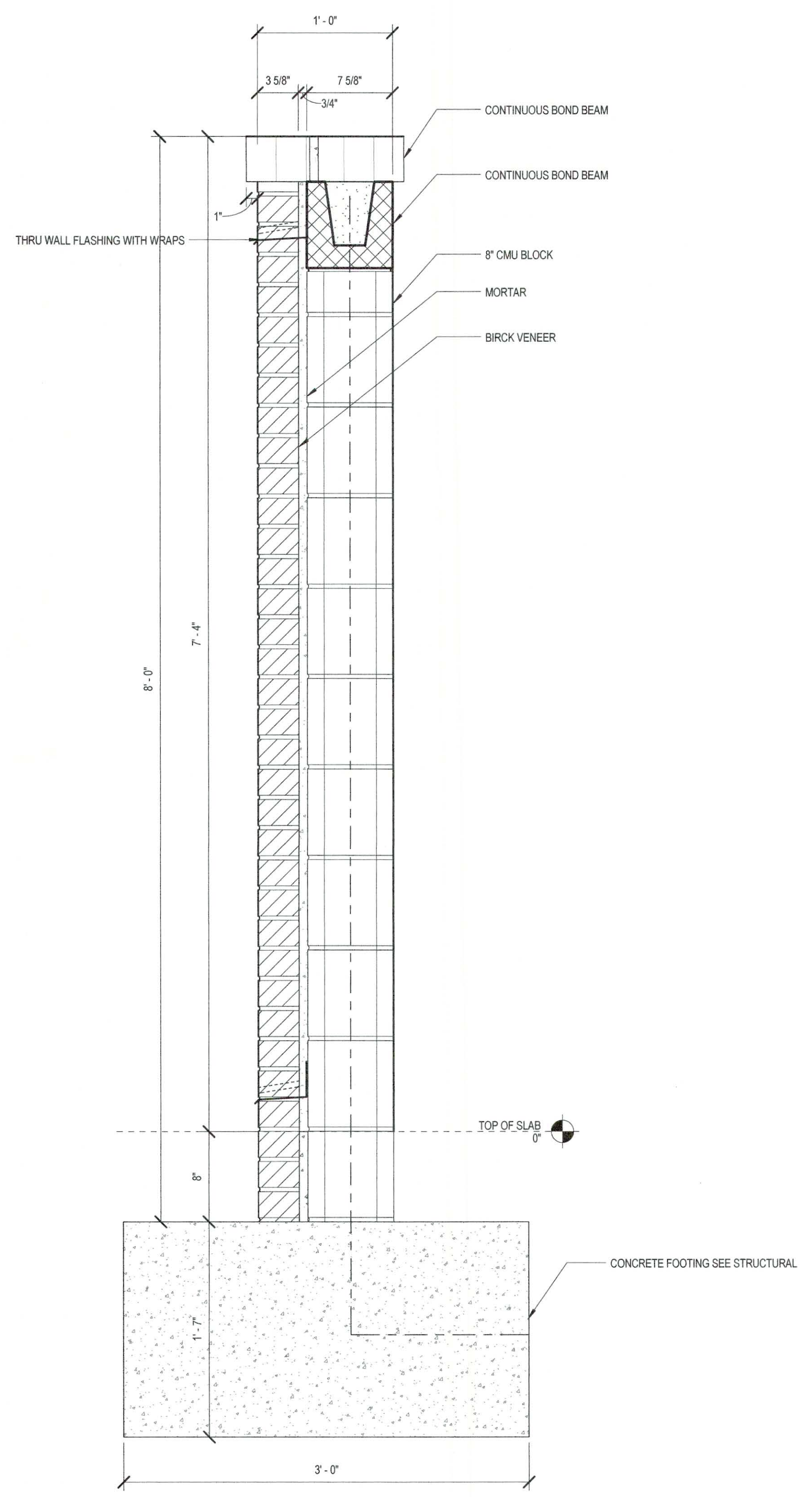
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① MECHANICAL YARD GATE PLAN DETAIL  
1" = 1'-0"



② MECHANICAL YARD GATE SECTION  
1 1/2" = 1'-0"



③ TYPICAL MECHANICAL WALL SECTION  
1 1/2" = 1'-0"



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**A7.0**  
DETAILS

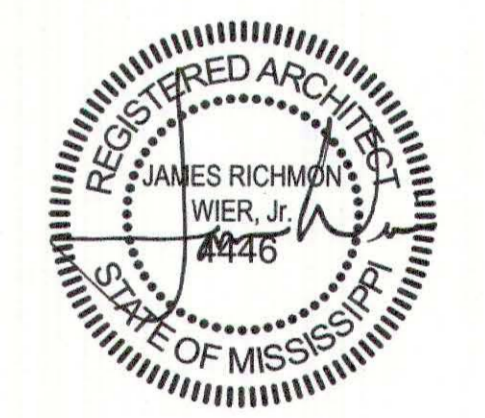
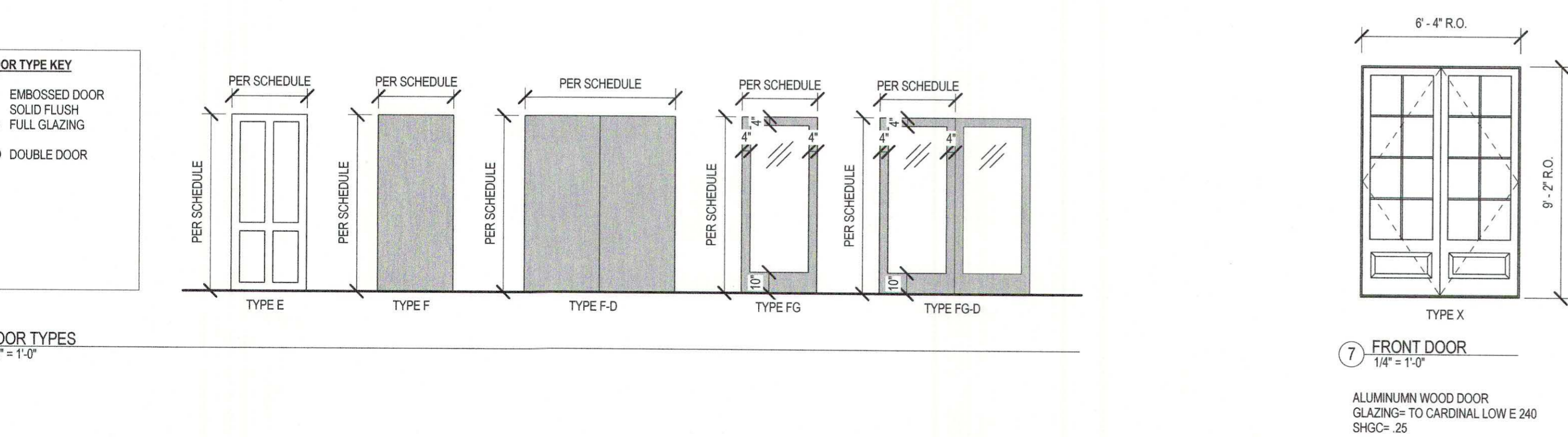
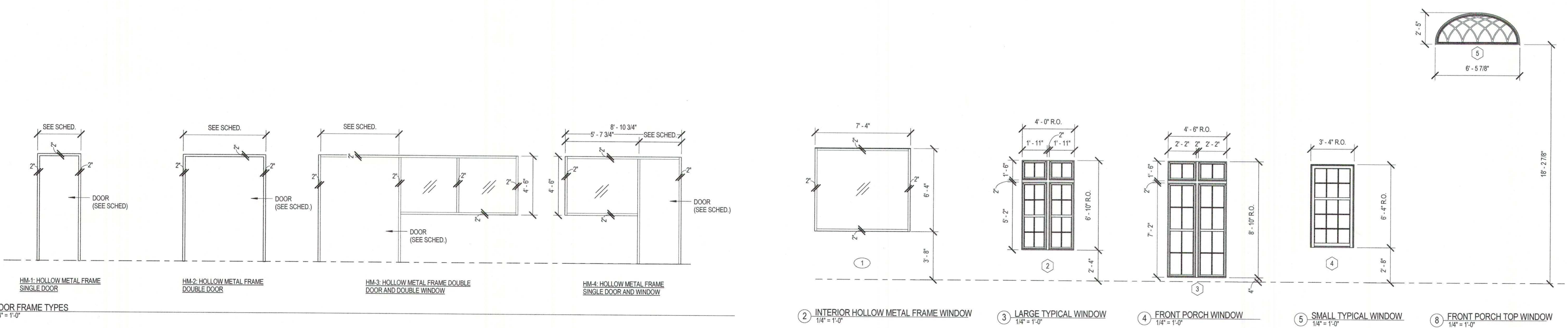
**FOUNTAINS  
DOCTOR'S OFFICE**

**GENERAL CONTRACTOR:**  
PROBITY

FOUNTAINS BLVD.  
MADISON, MS 39110

DOOR SCHEDULE																
TAG	OPENING RM NAME	RTG	OPENING SIZE		DOOR			GL TYPE	FRAME				HDWR	REMARKS		
			WIDTH	HEIGHT	TYPE	MTL	FIN		TYPE	MTL	FIN	JAMBS			HEAD	SILL
100A	RECEPTION		3'-0"	8'-0"	E	WD									ACCESS CONTROL	
100B	WAITING		6'-4"	9'-2"	X	WD	PT		HM-1	HM	PT					
100C	WAITING		3'-0"	8'-0"	F	WD	PT		HM-1	HM	PT					CASED OPENING
100D	WAITING		4'-0"	8'-0"	FG	WD	PT		HM-2	HM	PT				ACCESS CONTROL	
100E	WAITING		3'-0"	8'-0"	F	WD	PT		HM-2	HM	PT				ACCESS CONTROL	
101	WAITING RESTROOM		3'-0"	8'-0"	F	HM	PT		HM-1	HM	PT					
102	NURSING OFFICE		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
103	CONSULT		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
104	OFFICE		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
105	CONSULT		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
106	CLEAN UTILITY		3'-0"	8'-0"	F	HM	PT		HM-1	HM	PT					
107	COLLECTION		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
108	CONFERENCE/ BREAK		3'-0"	8'-0"	F	WD	PT		HM-1	HM	PT					
109	COLLECTION		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
111	PRIMARY LAB		6'-0"	8'-0"	FG-D	HM	PT		HM-3	HM	PT				ACCESS CONTROL	
111A	PRIMARY LAB		4'-0"	8'-0"	FG	HM	PT		HM-1	HM	PT				ACCESS CONTROL	
112	OFFICE		3'-0"	8'-0"	FG	WD	PT		HM-4	HM	PT					
113	OFFICE		3'-0"	8'-0"	FG	WD	PT		HM-4	HM	PT					
114	OFFICE		3'-0"	8'-0"	FG	WD	PT		HM-4	HM	PT					
115	LIQUID N2 STORAGE	45	4'-0"	8'-0"	FG	HM	PT		HM-1	HM	PT					
116	ELECTRIC		3'-0"	8'-0"	F	WD	PT		HM-1	HM	PT					
117	TANK EXCHANGE	45	4'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
118	DIRTY UTILITY		4'-0"	7'-0"	F	HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
118A	DIRTY UTILITY		4'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
119	CLEAN LINEN		3'-0"	7'-0"	F	HM	PT		HM-1	HM	PT					
119A	CLEAN LINEN		3'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
120	DIRTY LINEN		3'-0"	7'-0"	F	HM	PT		HM-1	HM	PT					
120A	DIRTY LINEN		3'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
121	TRASH		3'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT					
121A	TRASH		3'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
122	RISER ROOM		3'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT					
123	CONSULT		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
124	OFFICE		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
125	FINANCIAL COUNSELING		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
126	STAFF RESTROOM		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
128	CORRIDOR		4'-0"	7'-0"	F	GALV. HM	PT		HM-1	GALV HM	PT				ACCESS CONTROL	
129	EXAM 1		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
130	PATIENT RESTROOM		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
130A	PATIENT RESTROOM		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
131	EXAM 2		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
131A	PATIENT RESTROOM		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
132	STORAGE		6'-0"	8'-0"	F-D	WD	PT		HM-2	HM	PT					
134	GAS TANKS	45	6'-0"	8'-0"	F-D	WD	PT		HM-2	HM	PT				ACCESS CONTROL	
135	ADVANCED LAB		4'-0"	7'-0"	F	HM	PT		HM-1	HM	PT				ACCESS CONTROL	
135A	ADVANCED LAB		4'-0"	7'-0"	F	HM	PT		HM-1	HM	PT				ACCESS CONTROL	
136	ADVANCED PROCEDURE ROOM		4'-0"	8'-0"	FG	HM	PT		HM-1	HM	PT				ACCESS CONTROL	
137	CORRIDOR		3'-0"	8'-0"	F	WD	PT		HM-1	HM	PT				ACCESS CONTROL	
138	EXAM 3		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
139	EXAM 4		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
139A	EXAM 4		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
140	PATIENT RESTROOM		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
141	EXAM 5		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
141A	EXAM 5		3'-0"	8'-0"	E	WD	PT		HM-1	HM	PT					
200	DATA		3'-0"	7'-0"	F	WD	PT		HM-1	HM	PT					

*By owner*



SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

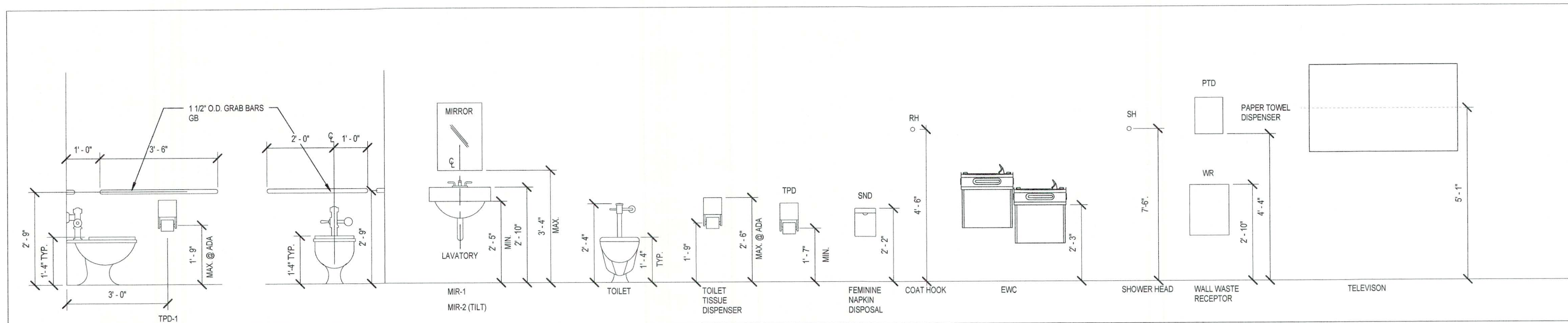
NO.	DESCRIPTION	DATE

**FOUNTAINS  
DOCTOR'S OFFICE**

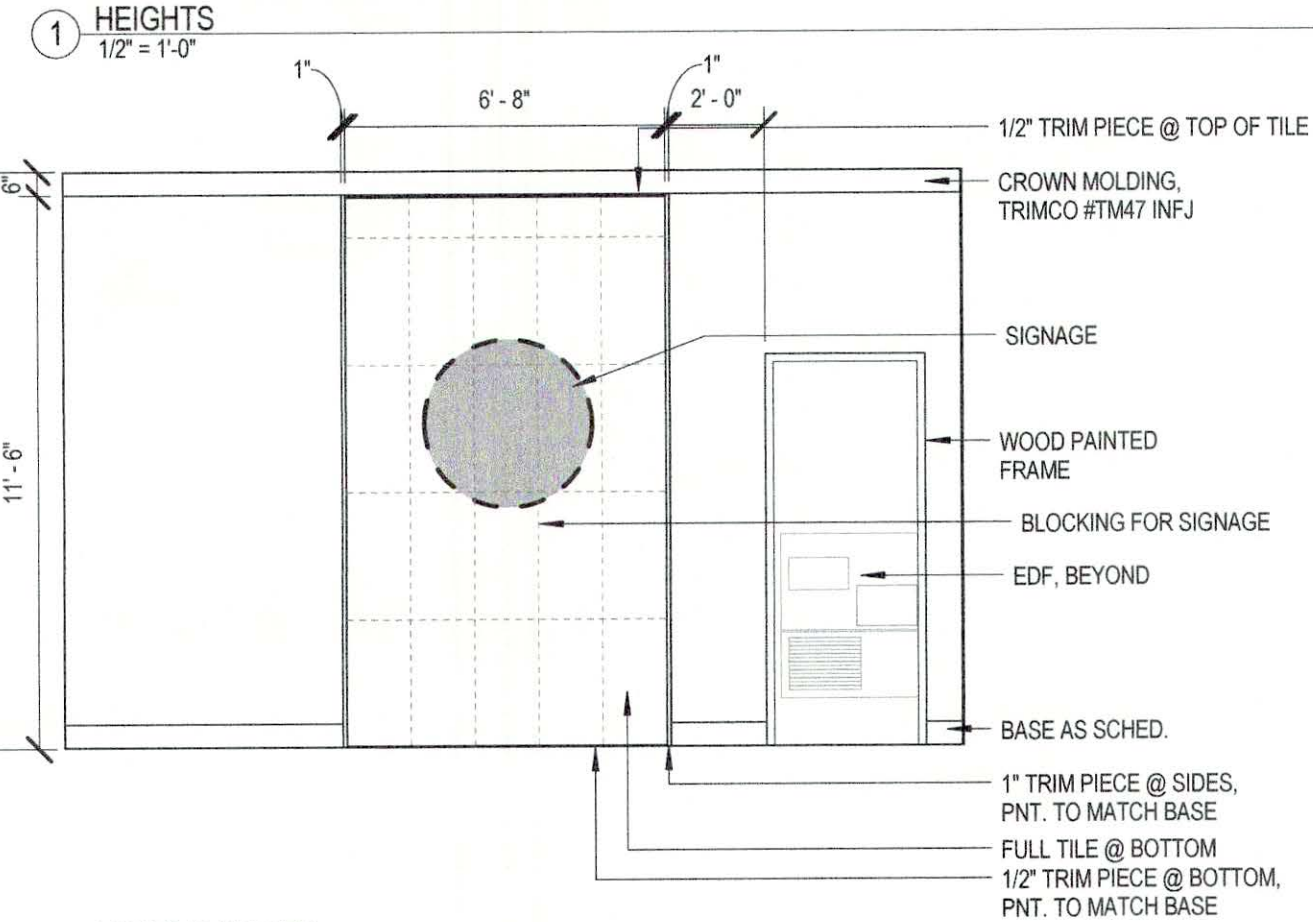
GENERAL CONTRACTOR:  
PROBITY

FOUNTAINS BLVD.  
MADISON, MS 39110

NOTES:  
PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF TOILET PARTITIONS, DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, HANDRAILS, WALL-MOUNTED SHELVES, OPERABLE PARTITIONS, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.



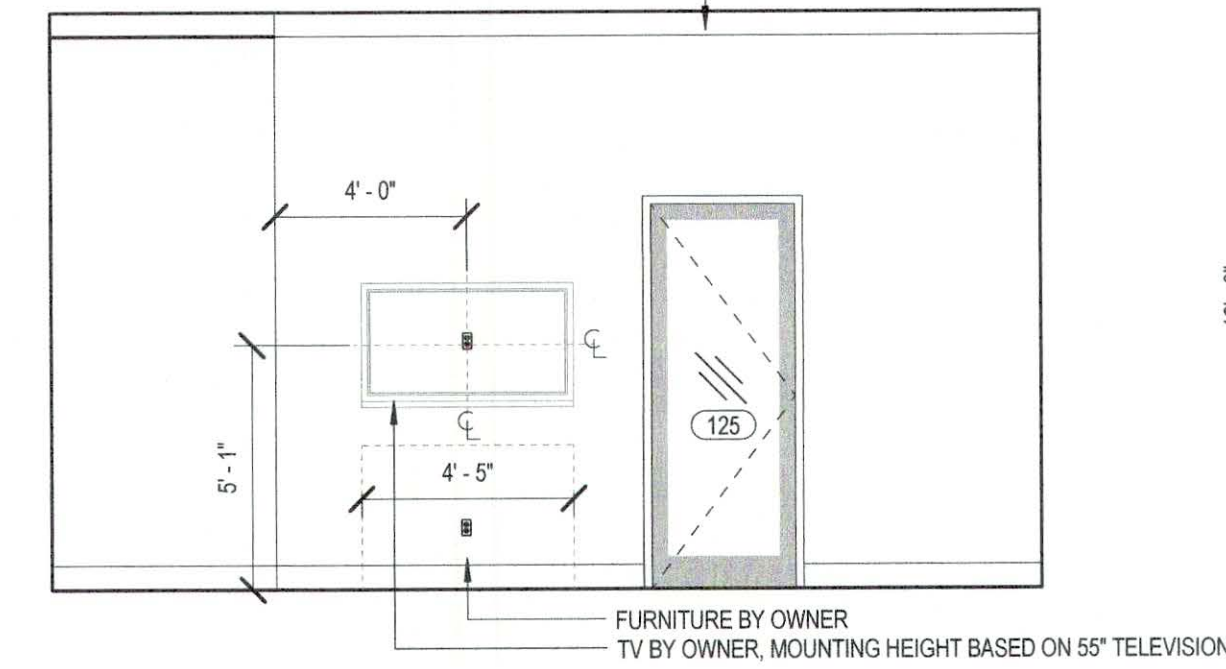
TYPICAL TOILET ACCESSORIES MOUNTING



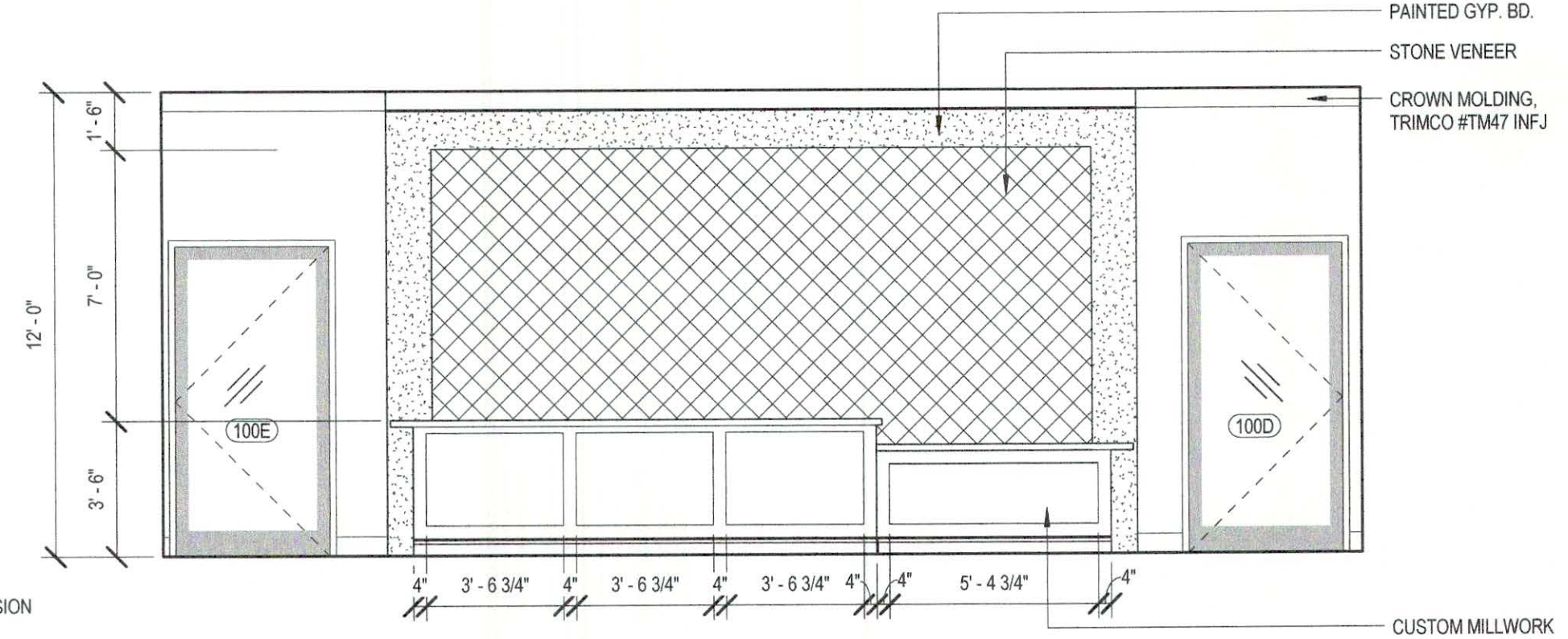
1 WAITING NORTH  
1/4" = 1'-0"



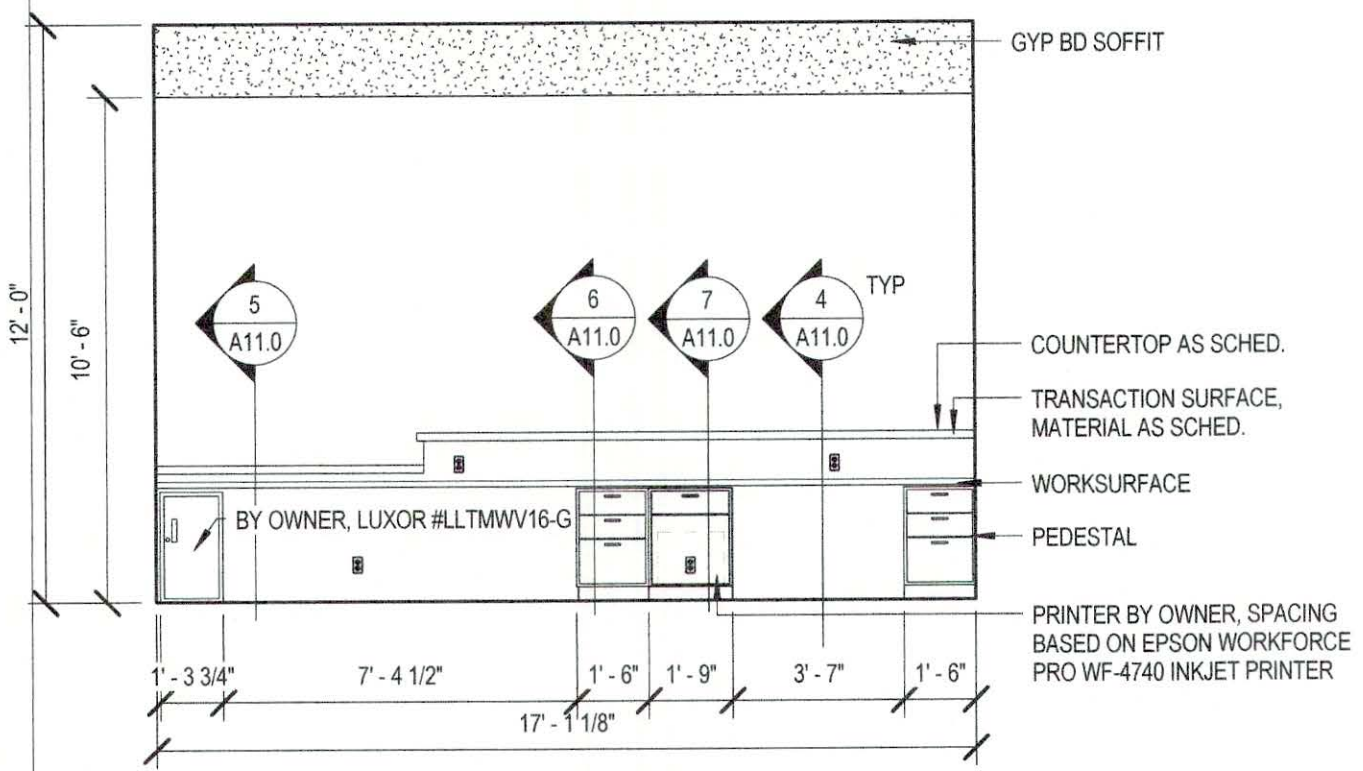
3 WAITING EAST  
1/4" = 1'-0"



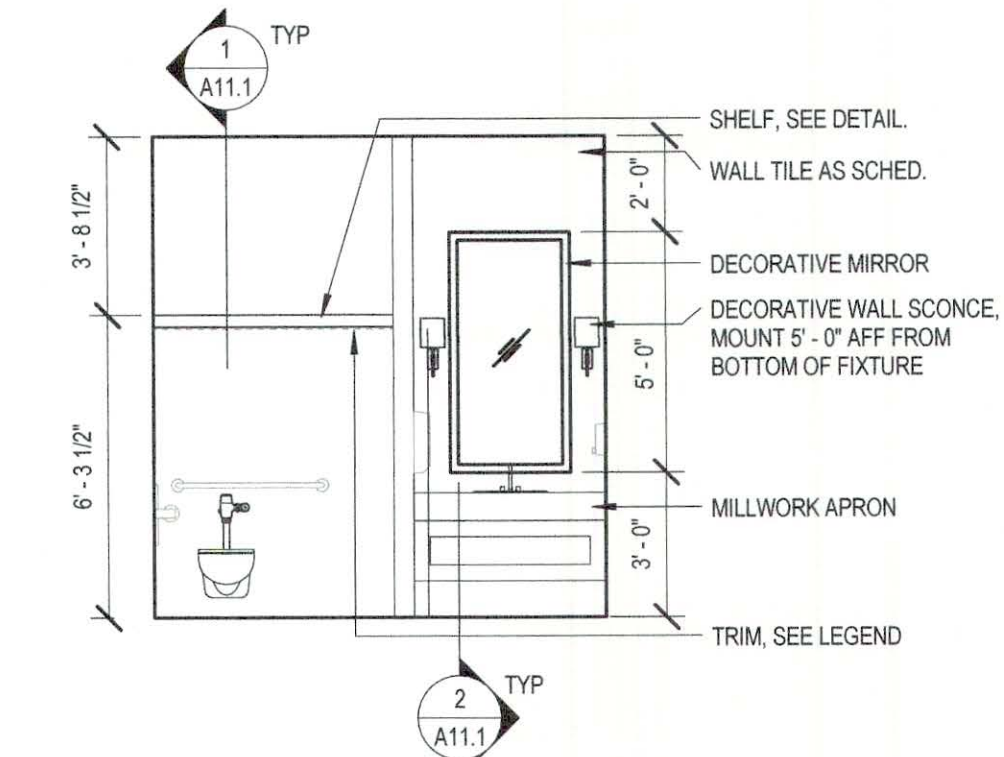
4 WAITING SOUTH  
1/4" = 1'-0"



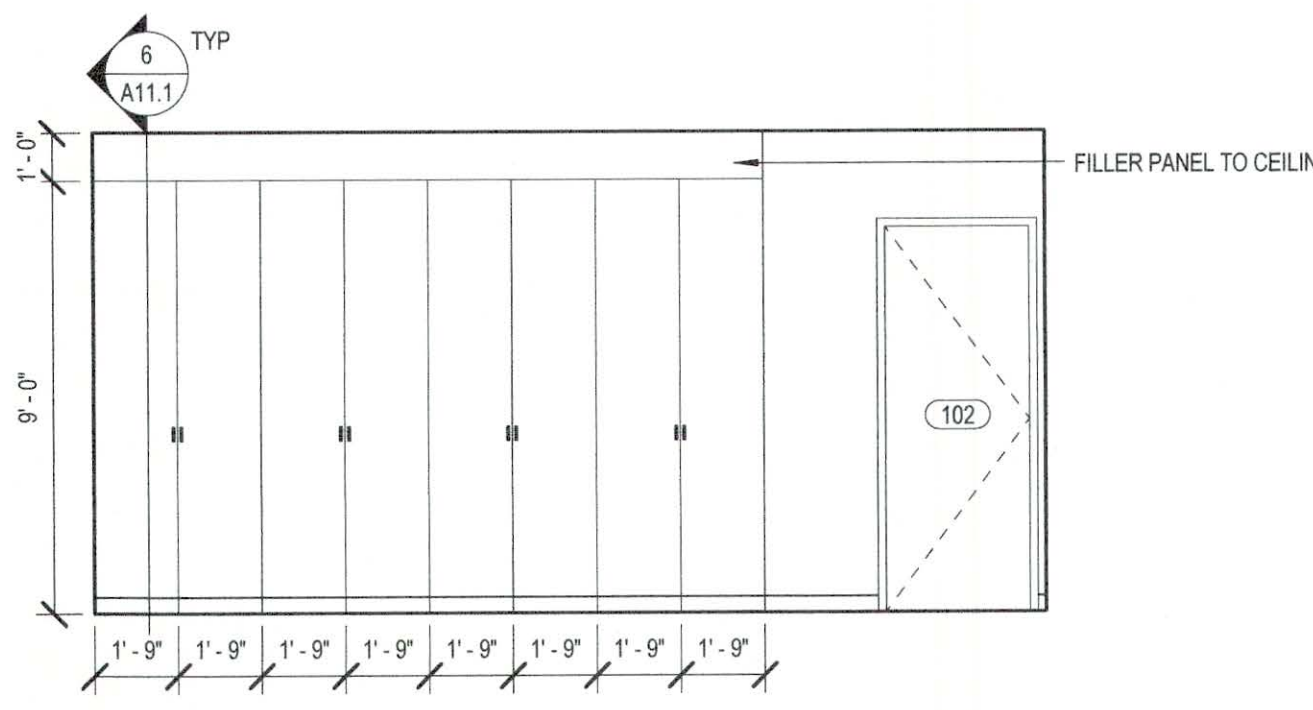
5 WAITING WEST  
1/4" = 1'-0"



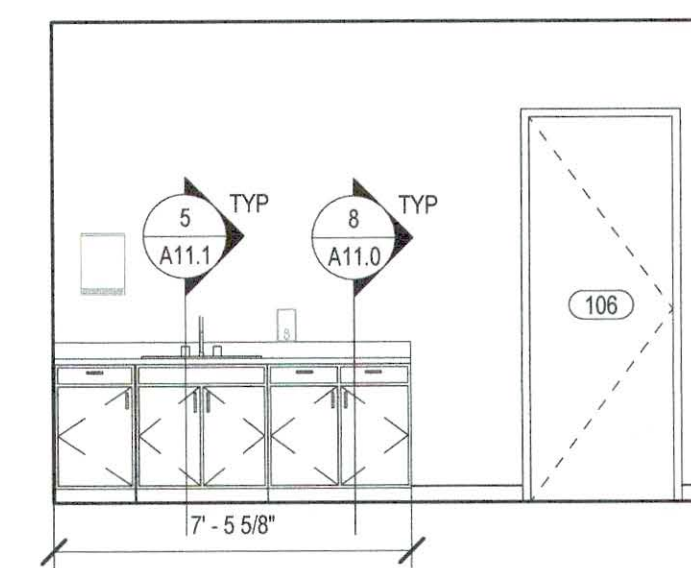
6 RECEPTION  
1/4" = 1'-0"



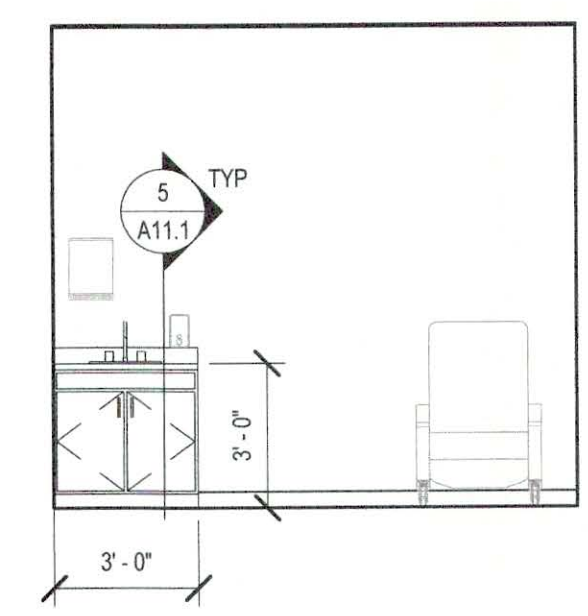
7 WAITING RESTROOM  
1/4" = 1'-0"



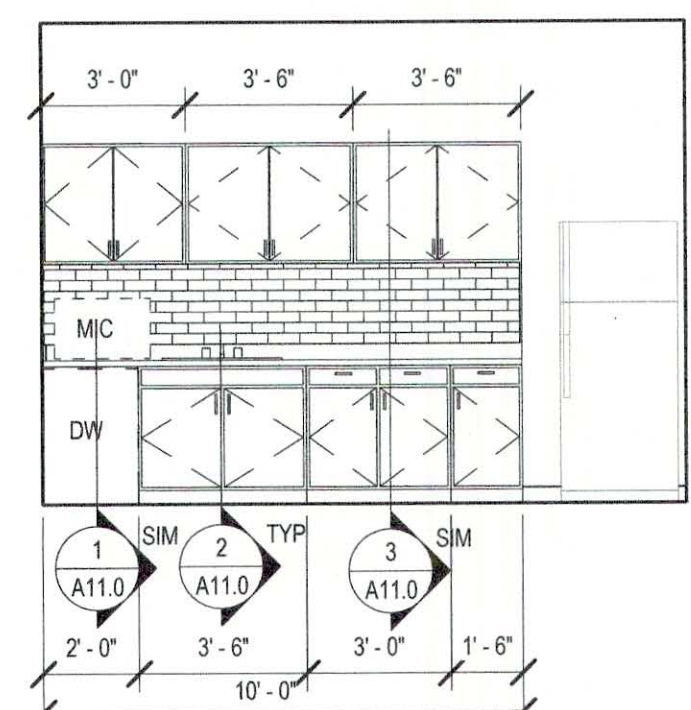
8 NURSING OFFICE SOUTH  
1/4" = 1'-0"



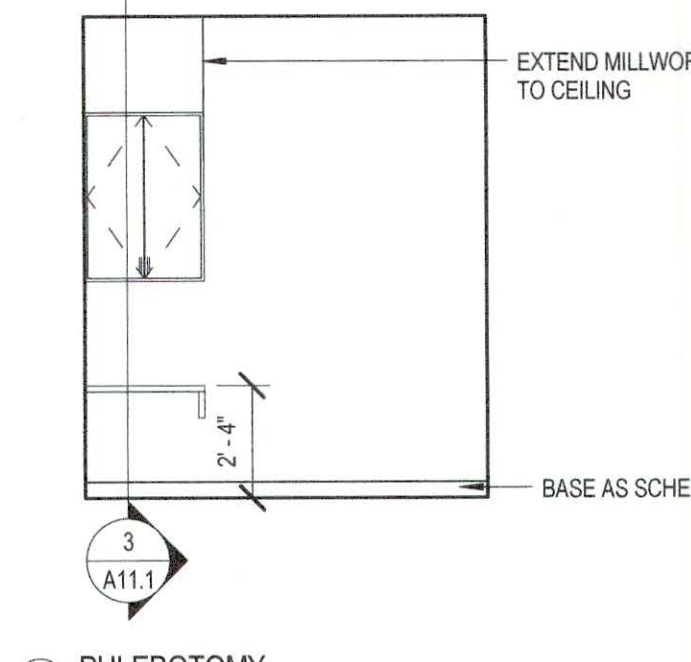
10 CLEAN UTILITY  
1/4" = 1'-0"



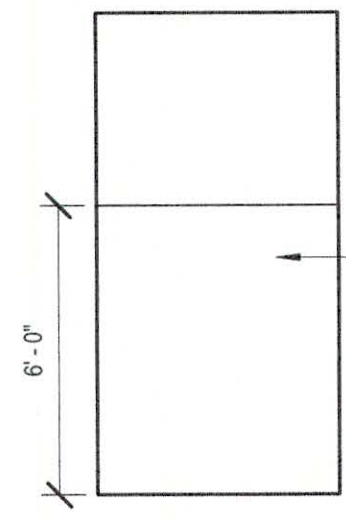
11 TYPICAL COLLECTION  
1/4" = 1'-0"



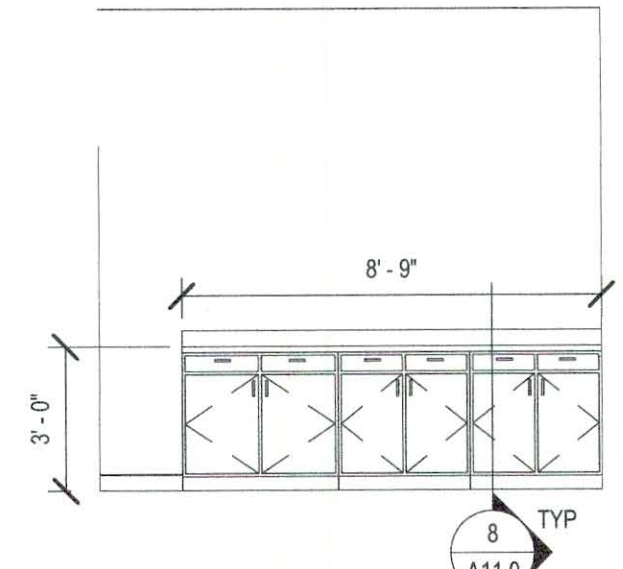
12 CONFERENCE/BREAK  
1/4" = 1'-0"



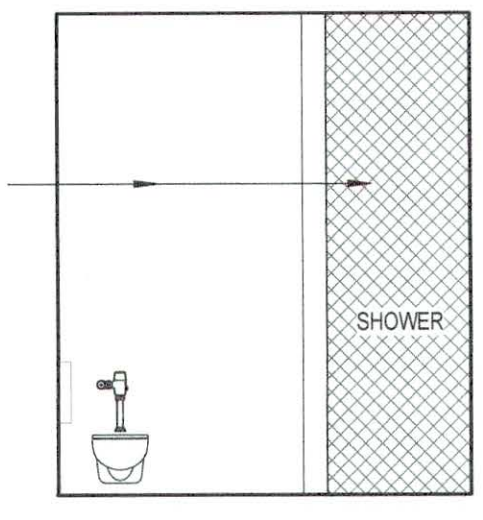
13 PHLEBOTOMY  
1/4" = 1'-0"



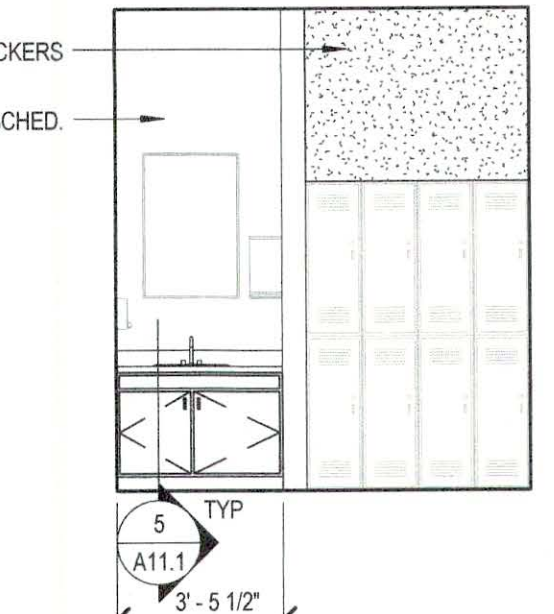
14 LIQUID N2 STORAGE  
1/4" = 1'-0"



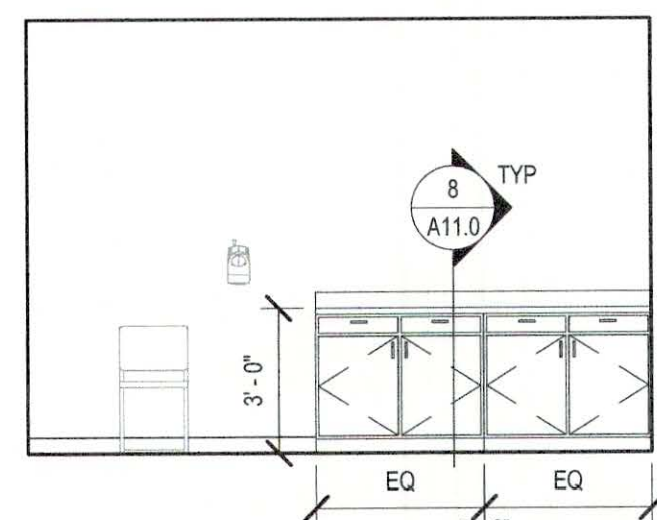
15 DIRTY UTILITY NORTH  
1/4" = 1'-0"



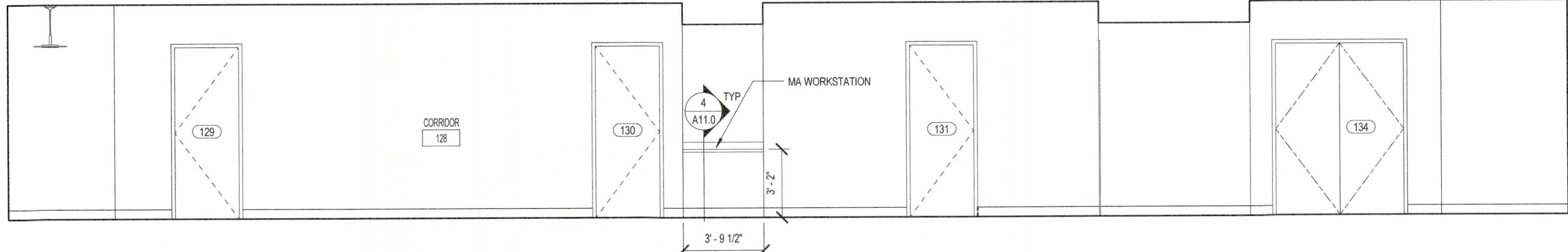
16 STAFF RESTROOM NORTH  
1/4" = 1'-0"



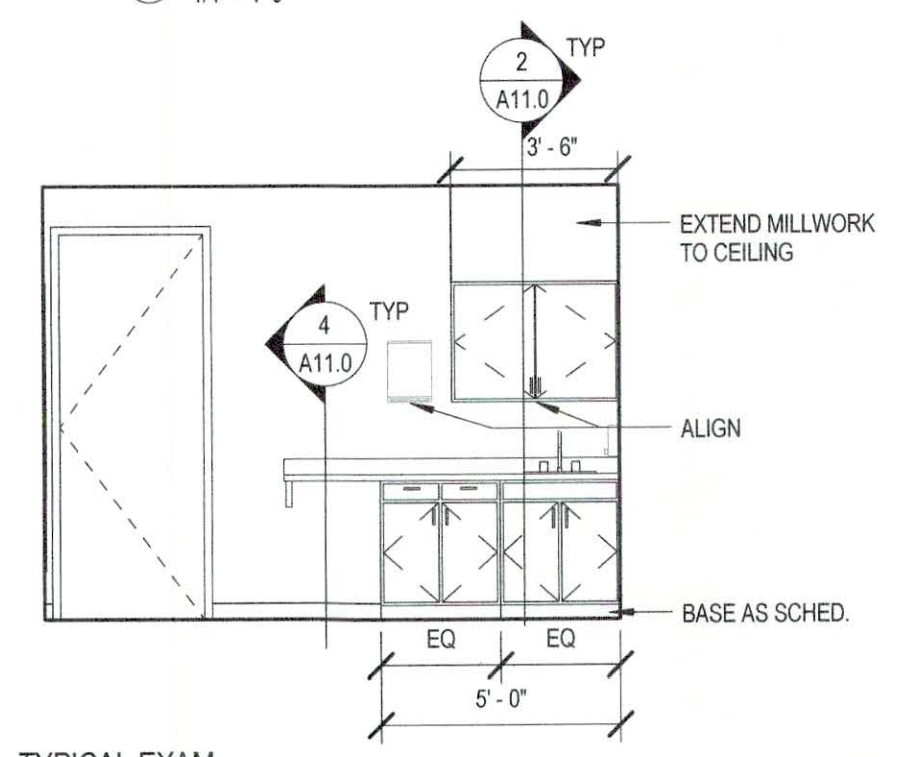
17 STAFF RESTROOM SOUTH  
1/4" = 1'-0"



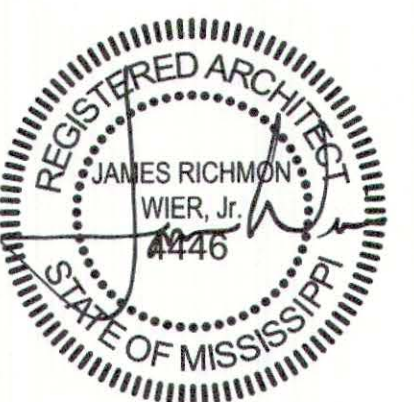
18 VITALS  
1/4" = 1'-0"



19 CORRIDOR 128 SOUTH  
1/4" = 1'-0"



20 TYPICAL EXAM  
1/4" = 1'-0"



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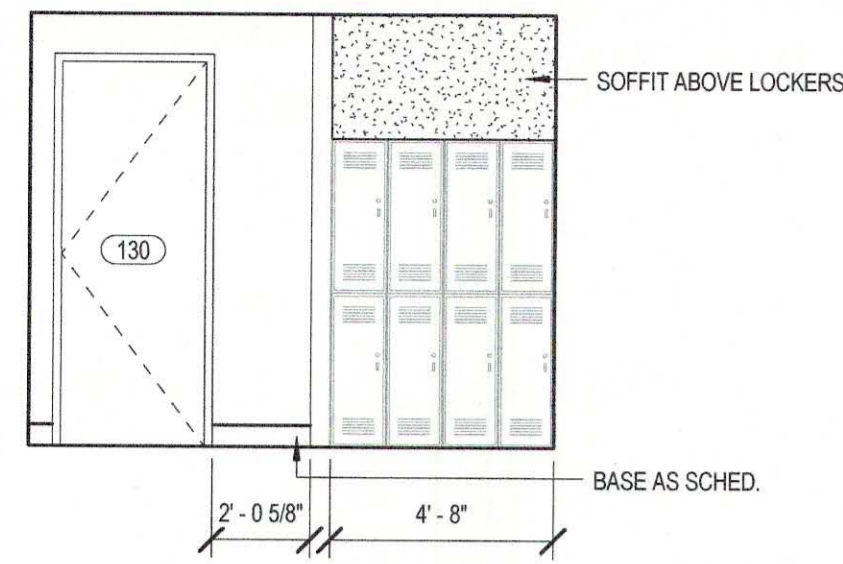
NO.	DESCRIPTION	DATE

**A9.0**  
INTERIOR ELEVATIONS

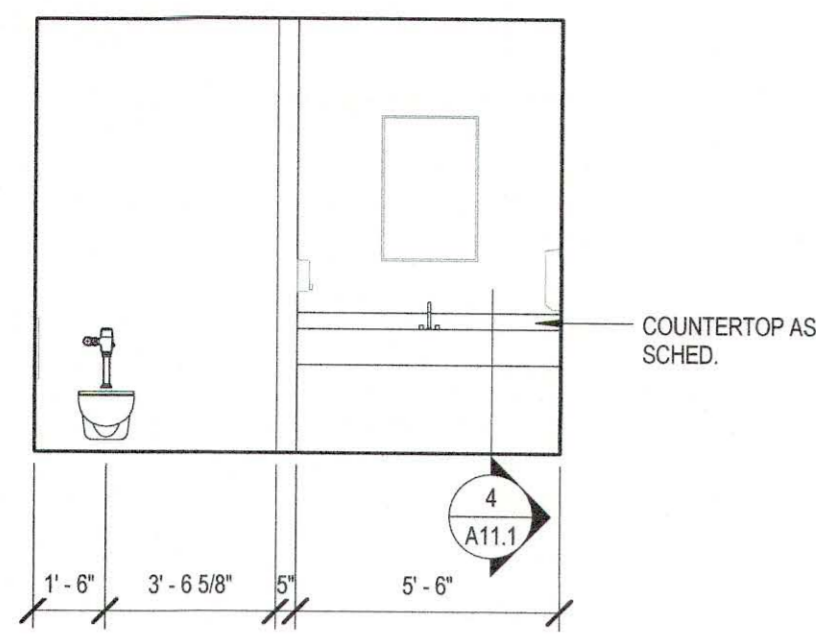
**FOUNTAINS**  
**DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**

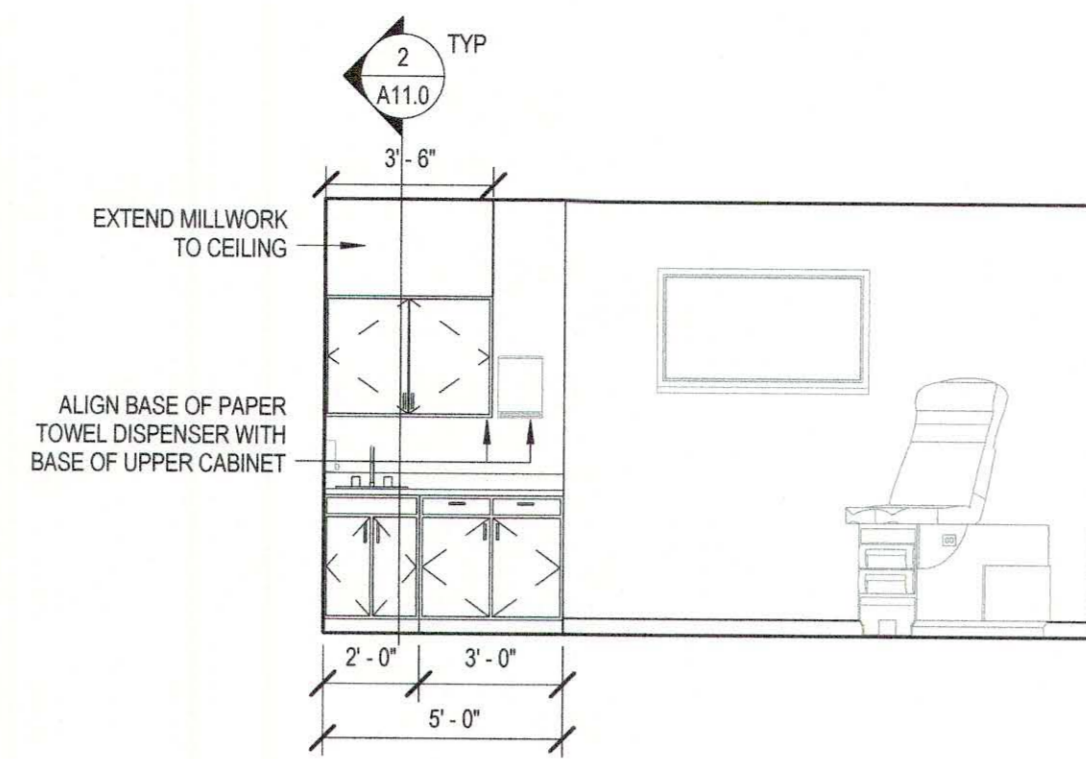
FOUNTAINS BLVD.  
MADISON, MS 39110



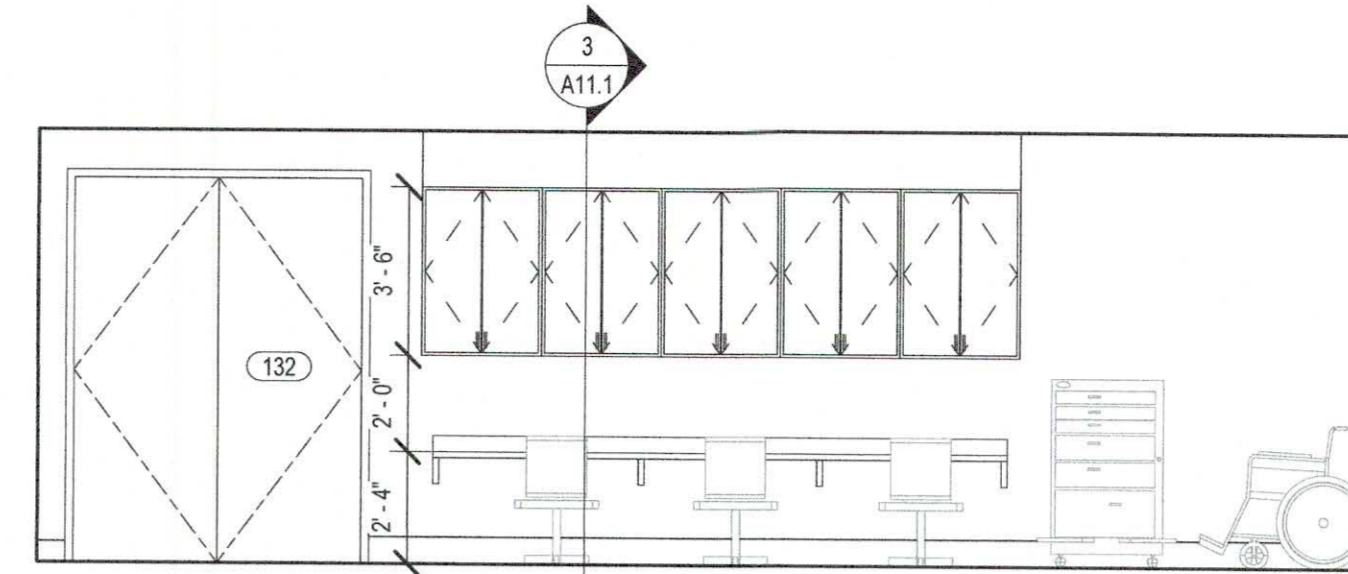
2 PATIENT RESTROOM 130 NORTH  
1/4" = 1'-0"



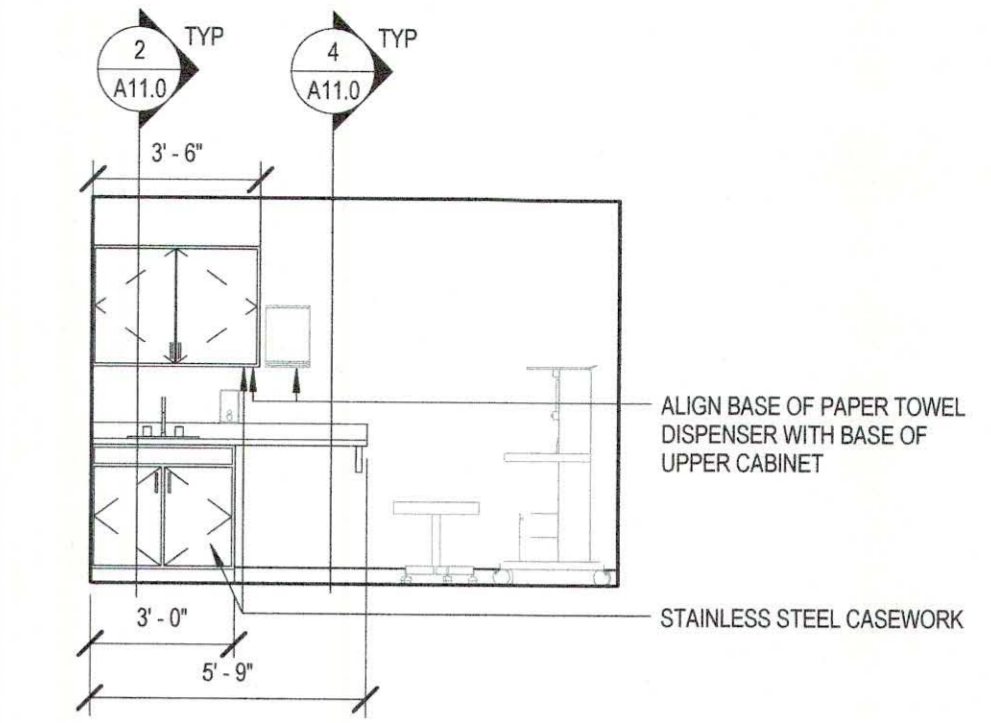
3 PATIENT RESTROOM 130 SOUTH  
1/4" = 1'-0"



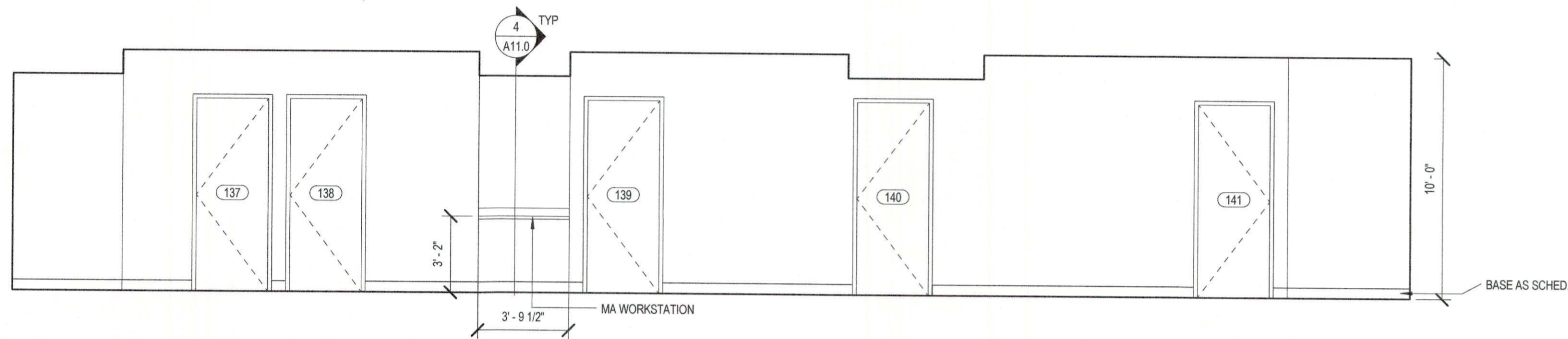
4 TYPICAL EXAM  
1/4" = 1'-0"



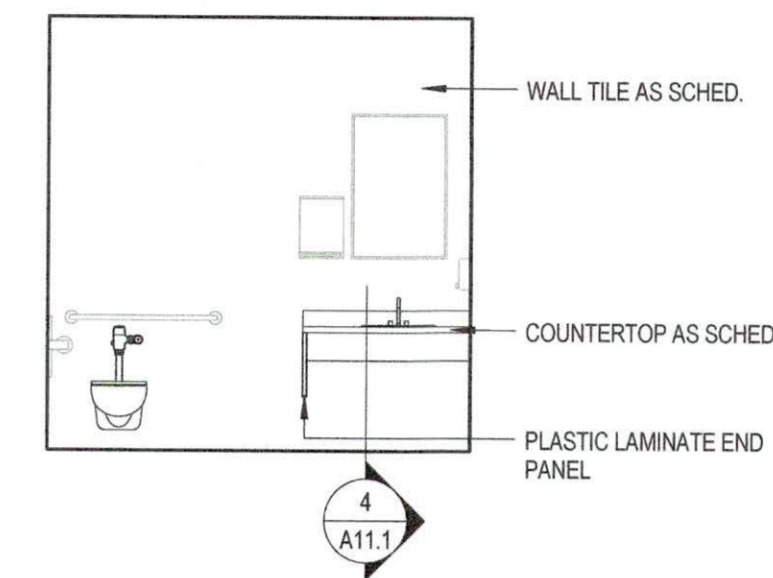
5 NURSING STATION  
1/4" = 1'-0"



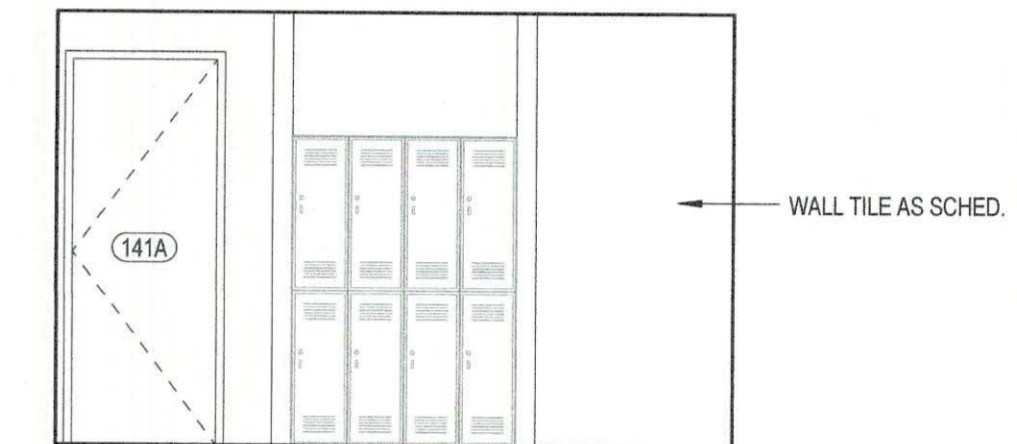
6 ADVANCED PROCEDURE  
1/4" = 1'-0"



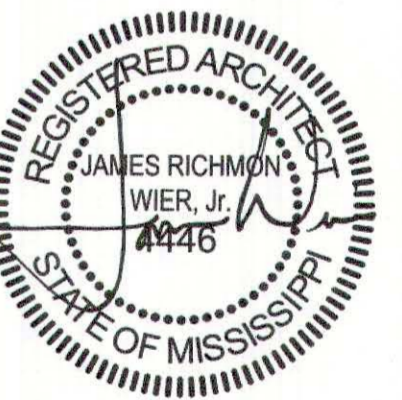
1 CORRIDOR 137 NORTH  
1/4" = 1'-0"



7 PATIENT RESTROOM 140 NORTH  
1/4" = 1'-0"



8 PATIENT RESTROOM 140 EAST  
1/4" = 1'-0"



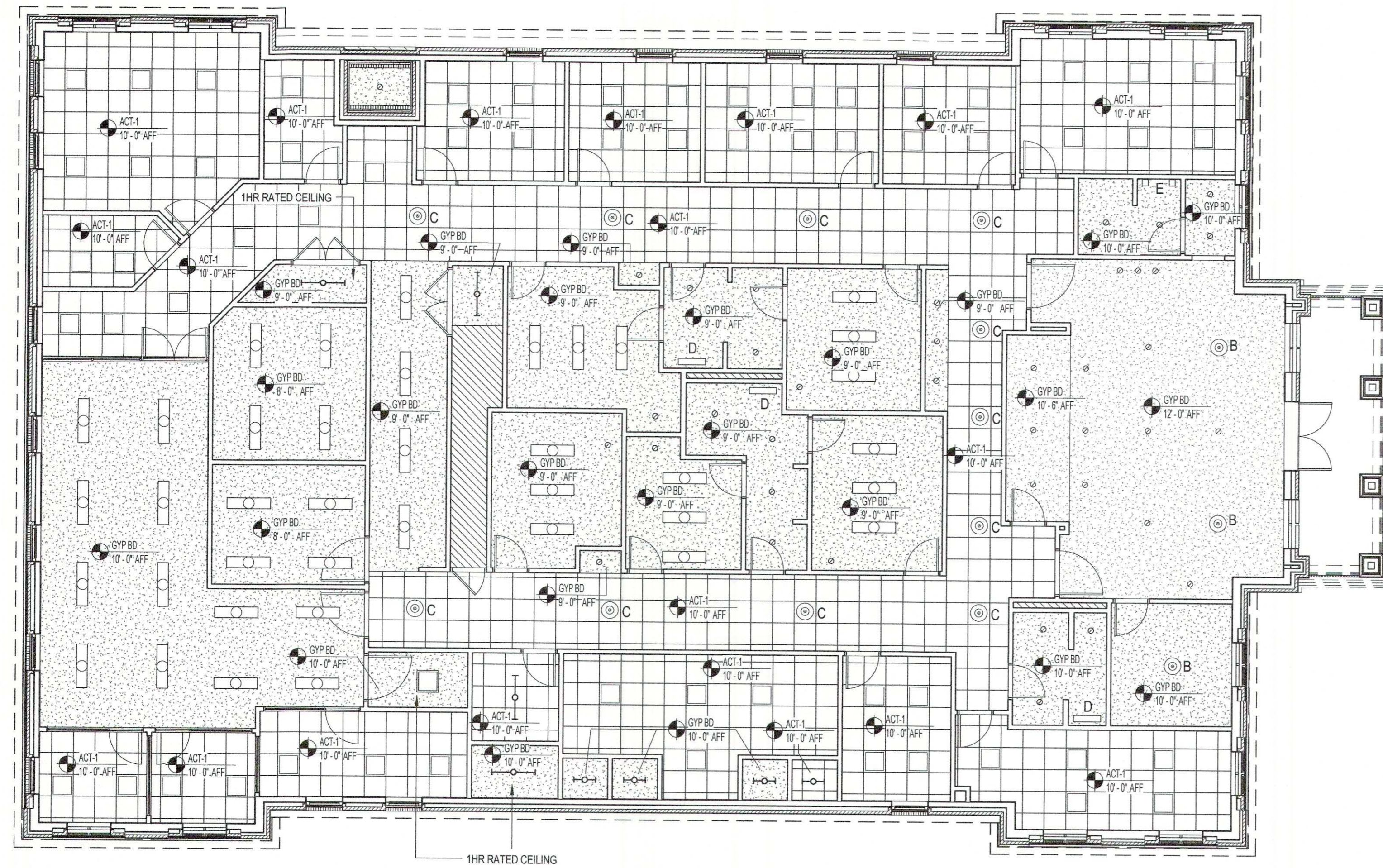
SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

REVISIONS		
NO.	DESCRIPTION	DATE

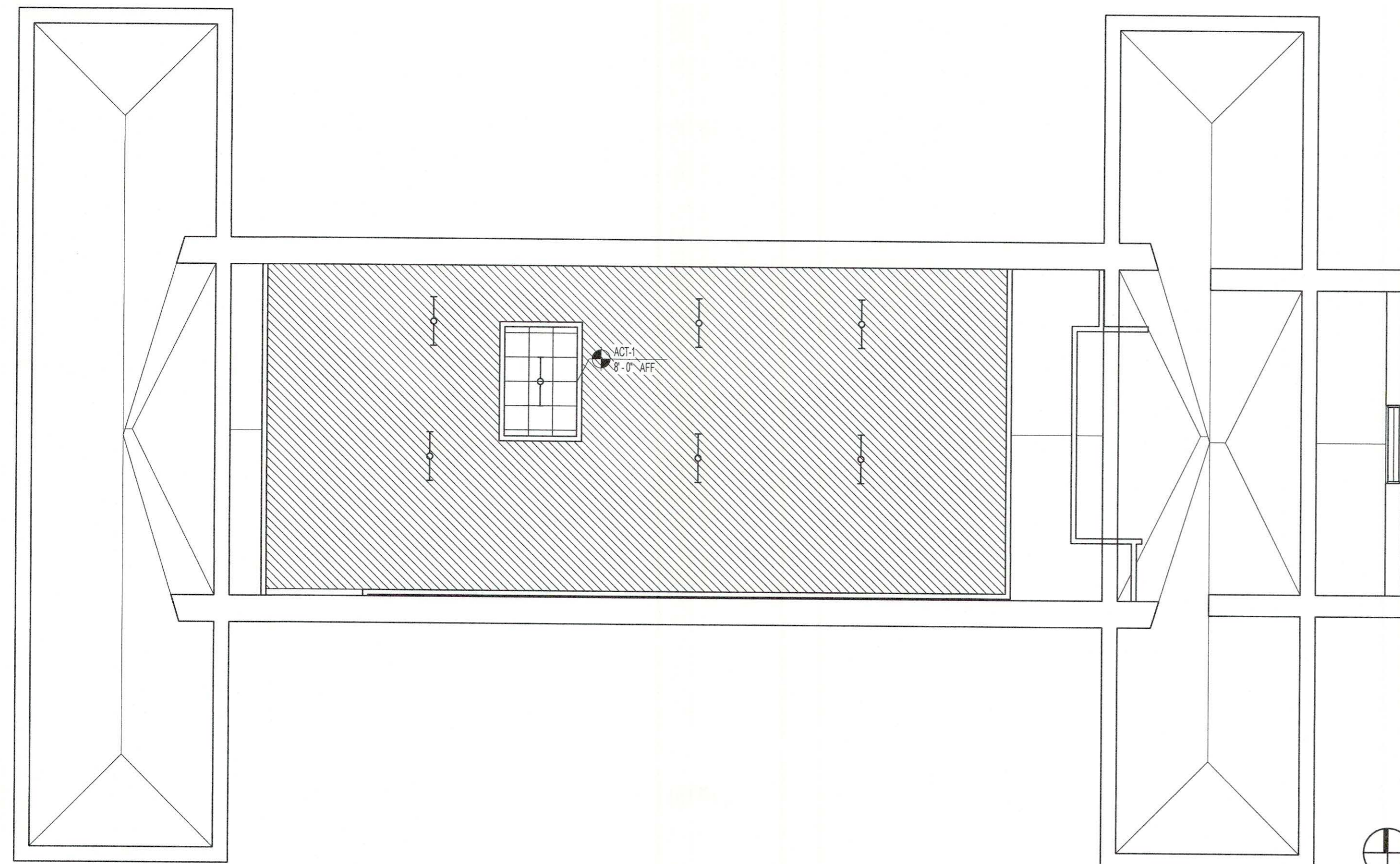
**FOUNTAINS  
DOCTOR'S OFFICE**

**GENERAL CONTRACTOR:**  
**PROBITY**

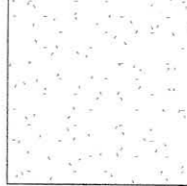
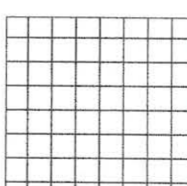
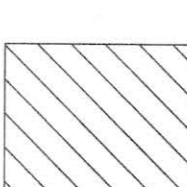
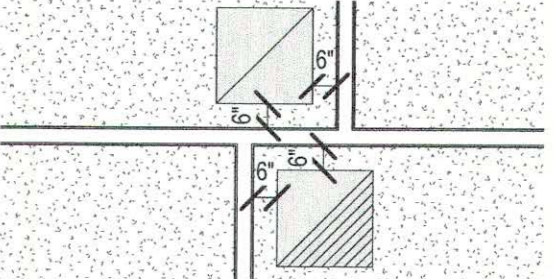













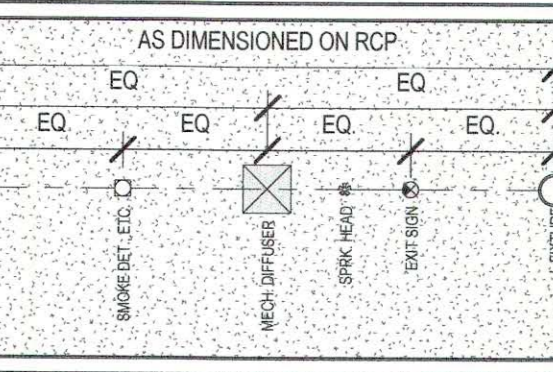
FOUNTAINS BLVD.  
MADISON, MS 39110

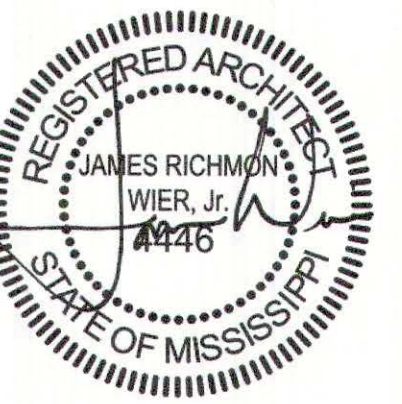


1 RCP - LEVEL 1  
1/8" = 1'-0"



2 RCP - LEVEL 2  
1/8" = 1'-0"

CEILING TYPES:	REFLECTED CEILING PLAN NOTES:
 GYP. BD. CLNG. ASSEMBLY RIGIDLY ATTACHED TO STRUCTURE  SUSPENDED ACOUSTICAL PANEL CLNG ASSEMBLY  EXPOSED STRUCTURE, NO CEILING	<ol style="list-style-type: none"> <li>REFER TO FIRE PROTECTION DRAWINGS FOR ALL AUTOMATIC FIRE SUPPRESSION SYSTEM REQUIREMENTS. G.C. TO COORDINATE SPRINKLER SYSTEM WORK OF ALL OTHER TRADES</li> <li>CONFIRM LIGHTING LAYOUT W/ ARCH. PRIOR TO INSTALLATION</li> <li>REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR WALL-MOUNTED GRILLES &amp; DIFFUSERS AND ALL OTHER ADDITIONAL FIXTURES, DEVICES &amp; ITEMS NOT SHOWN</li> <li>INSTALL ALL CEILING FIXTURES AS DIMENSIONED ON RCPs. IN ROOMS/SPACES WITH ONLY ONE FIXTURE, CENTER EACH WAY.</li> <li>FOR TYPICAL CONDITIONS, FOLLOW INSTALLATION PARAMETERS AS SHOWN BELOW.</li> <li>FOR ALL ATYPICAL CONDITIONS, AND FOR ALL CONDITIONS WHERE CEILING COMPONENTS CANNOT BE INSTALLED AS SHOWN ON RCPs, COORDINATE EXACT LOCATIONS WITH ARCHITECT IN FIELD.</li> <li>REFER TO EXTERIOR ELEVATIONS FOR ADDITIONAL LIGHTING &amp; MECHANICAL REQUIREMENTS.</li> </ol>
CEILING FIXTURE LEGEND:	
<ul style="list-style-type: none"> <li> RECESSED 'CAN' FIXTURE</li> <li> PENDANT MOUNTED FIXTURE</li> <li> RECESSED FLUORESCENT FIXTURE</li> <li> SURFACE OR PENDANT MOUNTED LED FIXTURE</li> <li> SURFACE OR PENDANT MOUNTED LED FIXTURE</li> <li> HVAC SUPPLY REGISTER</li> <li> HVAC RETURN REGISTER</li> <li> HVAC EXHAUST REGISTER</li> <li> CEILING ACCESS PANEL P-PANEL FOR PLUM. DEVICE ACCESS M-PANEL FOR MECH. EQUIP ACCESS</li> <li> CIRCA REED HANGING SHADE</li> <li> TECH LIGHTIN - MULBERRY FLUSH MOUNT DRUM</li> <li> DECORATIVE VANITY FIXTURE</li> <li> CIRCA WALL SCONCE - ASPECT LIBRARY SCONCE</li> </ul>	
	
	<ol style="list-style-type: none"> <li>WHERE DIFFUSERS &amp; GRILLES OCCUR TIGHT TO ROOM CORNERS, DIMENSION AS SHOWN IN ALL CONDITIONS WHERE POSSIBLE.</li> <li>AS DIMENSIONED ON RCP</li> <li>IN ALL CORRIDORS:                             <ul style="list-style-type: none"> <li>(a) ALIGN ALL RECESSED CAN LIGHT FIXTURES WITH CENTERLINE OF CORRIDOR AND DIMENSION AS SHOWN ON RCP.</li> <li>(b) WHERE DIFFUSERS AND GRILLES OCCUR, ALIGN WITH CENTERLINE OF CORRIDOR AND CENTER BETWEEN LIGHT FIXTURES.</li> <li>(c) WHERE ALL OTHER ELECTRICAL DEVICES OCCUR IN CEILINGS, CENTER BETWEEN ADJACENT LIGHT FIXTURES, DIFFUSERS, GRILLES, ETC. WHERE POSSIBLE.</li> <li>(d) WHERE SPRINKLER HEADS OCCUR, ALIGN WITH CENTERLINE OF CORRIDOR AND SPACE AS NECESSARY TO ACHIEVE REQUIRED COVERAGE.</li> </ul> </li> <li>WHERE DIFFUSERS AND GRILLES OCCUR AT DOORWAYS, ALIGN AT CENTERLINE OF DOORWAY AS SHOWN. POSITION IN OTHER DIRECTION AS DIMENSIONED ON RCP, COORDINATE WITH ARCHITECT IN FIELD IF NOT OTHERWISE DIMENSIONED.</li> <li>LOCATE ACCESS PANELS AS INDICATED ON DRAWINGS. FOR ACCESS PANELS NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS, LOCATE IN ACCORDANCE WITH APPLICABLE CODES. SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION. ALL CEILING ACCESS PANELS ARE TO BE PROVIDED AND INSTALLED TO MAINTAIN ALL REQUIRED FIRE RATINGS.</li> <li>CONTRACTOR IS TO SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION FOR ANY AND ALL CEILING MOUNTED FIXTURES OR DEVICES NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS.</li> </ol>
<p><b>NOTE:</b> SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE INFORMATION SEE MECHANICAL DRAWINGS FOR HVAC INFORMATION</p>	



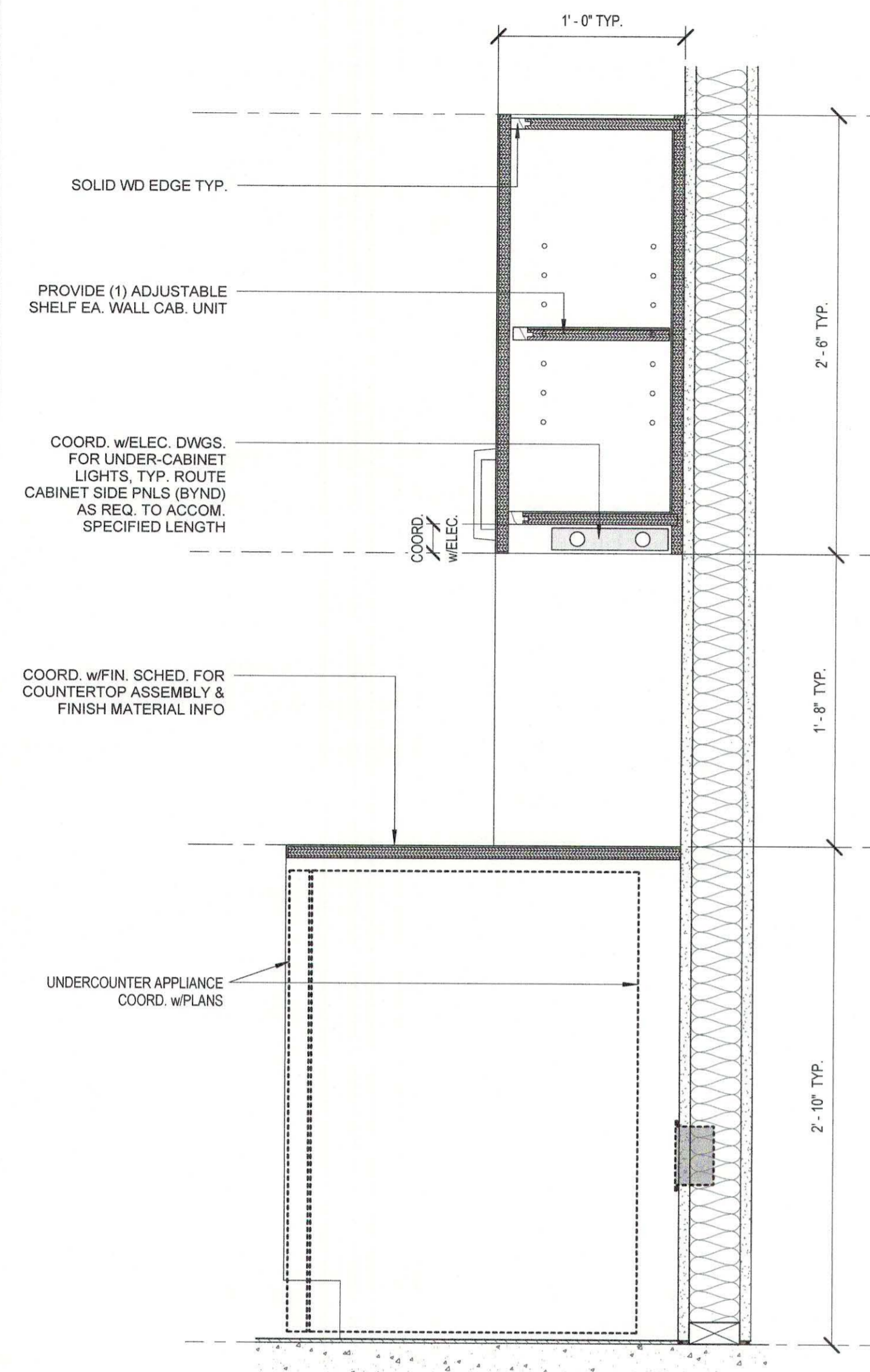
SEPTEMBER 29, 2017  
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NO.	DESCRIPTION	DATE

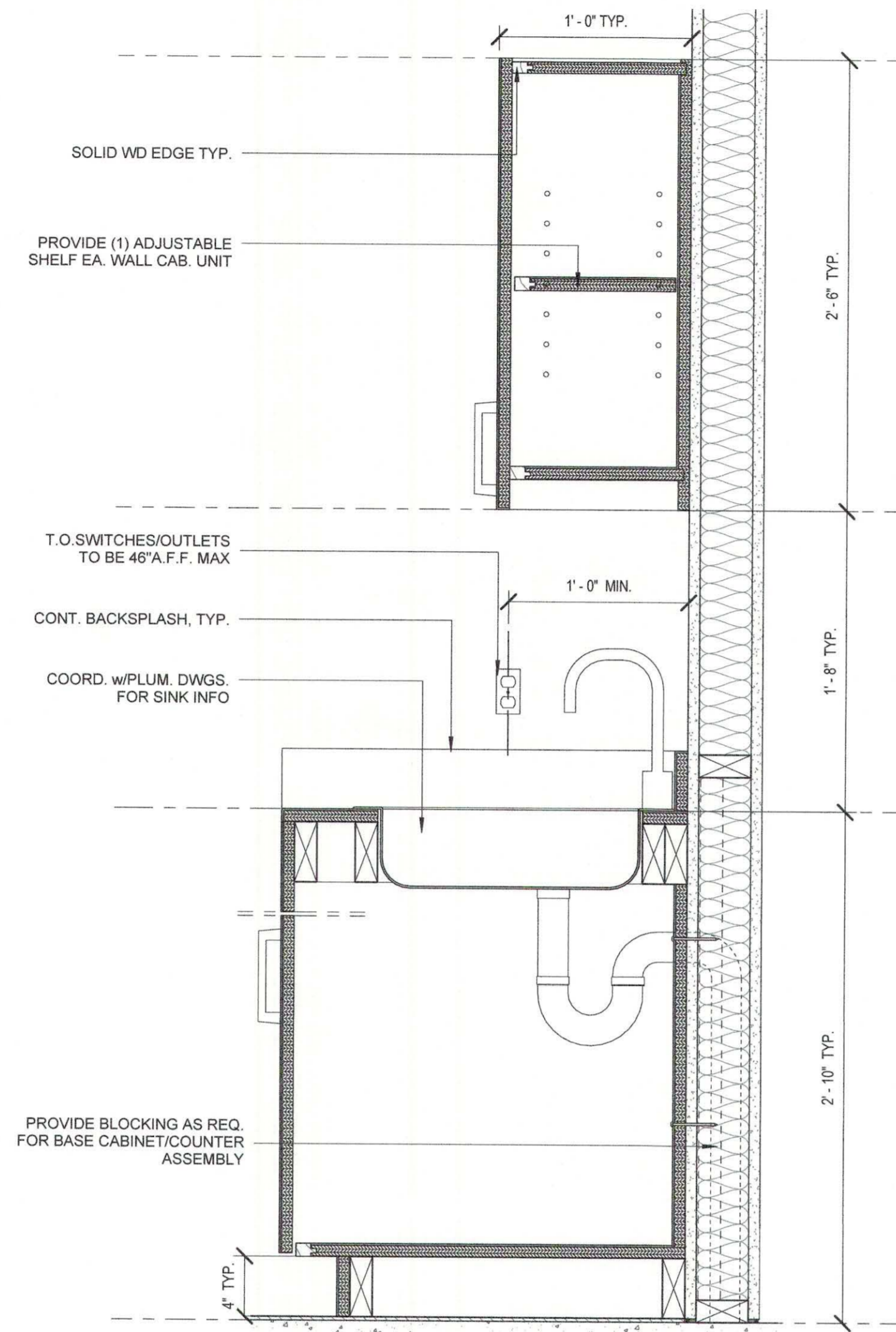
**FOUNTAINS  
DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**

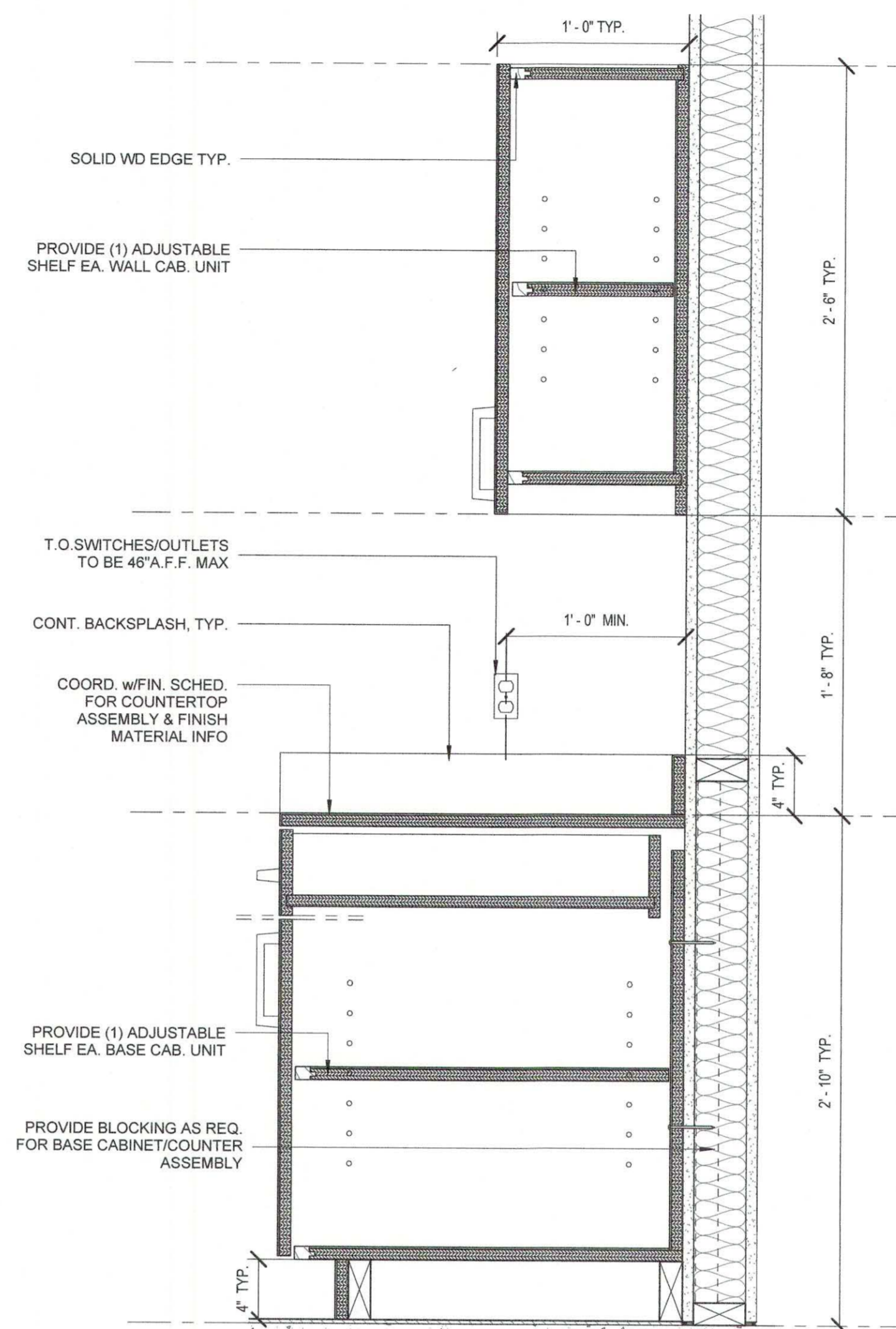
FOUNTAINS BLVD.  
MADISON, MS 39110



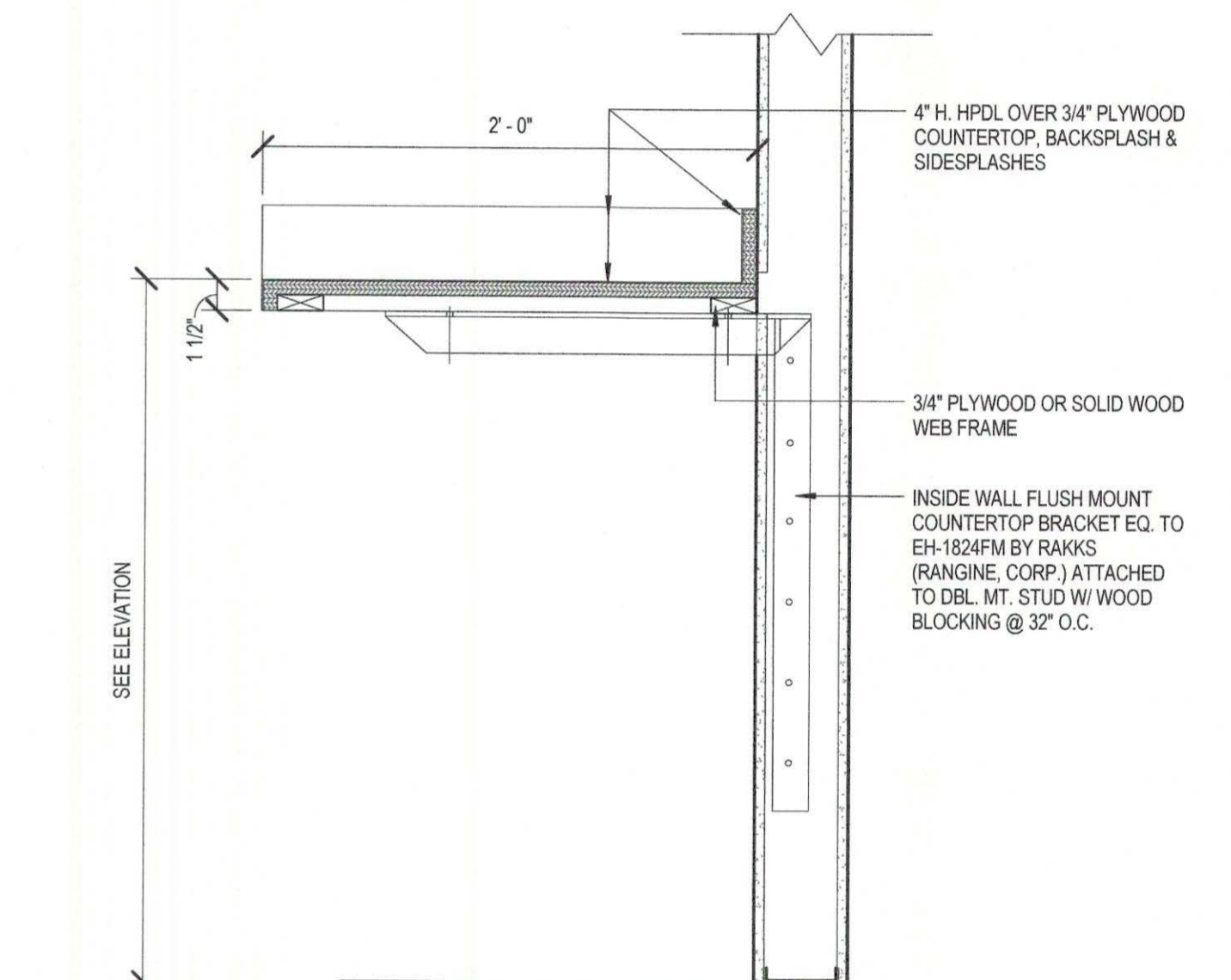
1 TYP CASEWORK W/ APPLIANCE DETAIL  
1 1/2" = 1'-0"



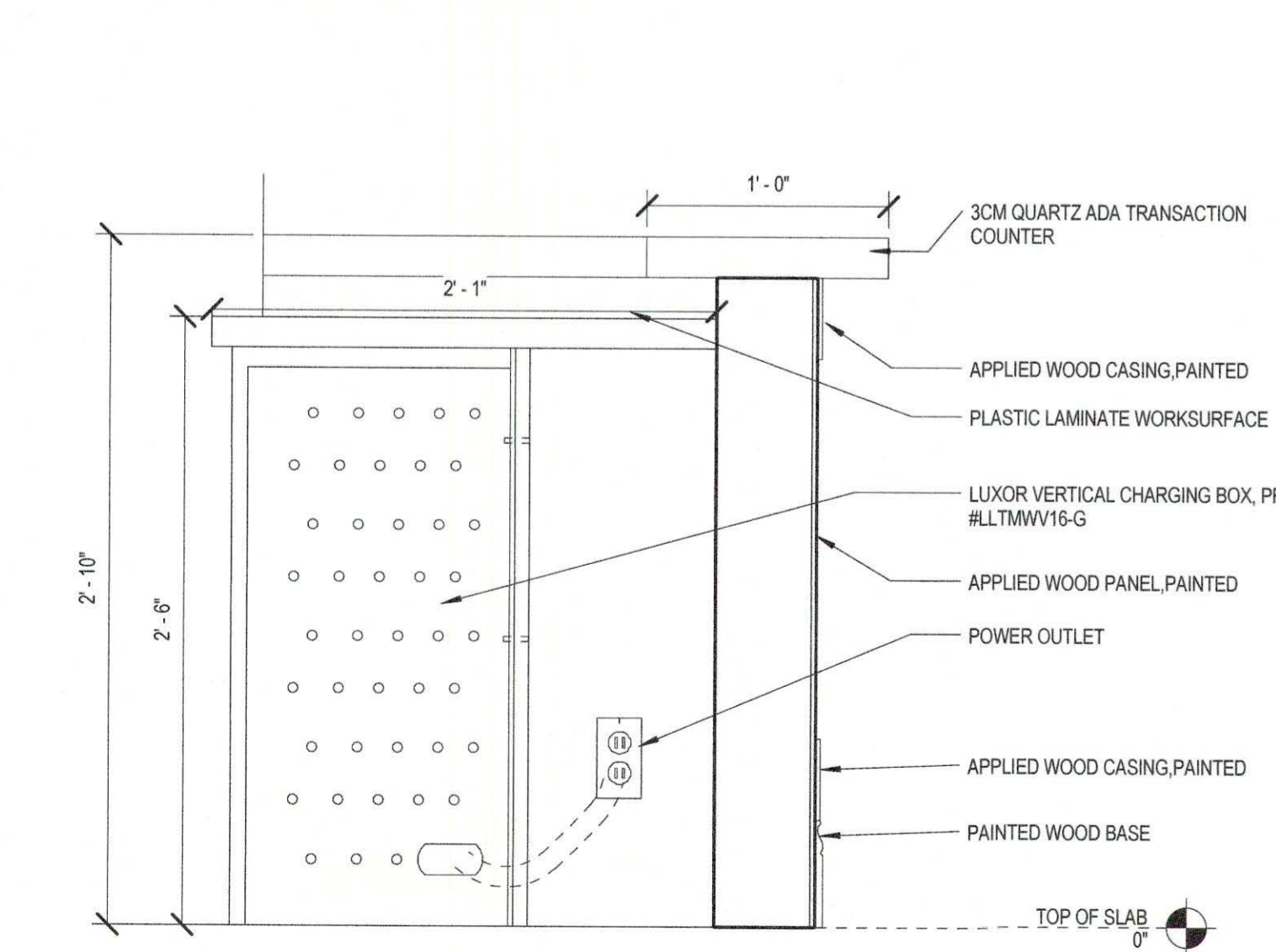
2 TYP CASEWORK W/ SINK DETAIL  
1 1/2" = 1'-0"



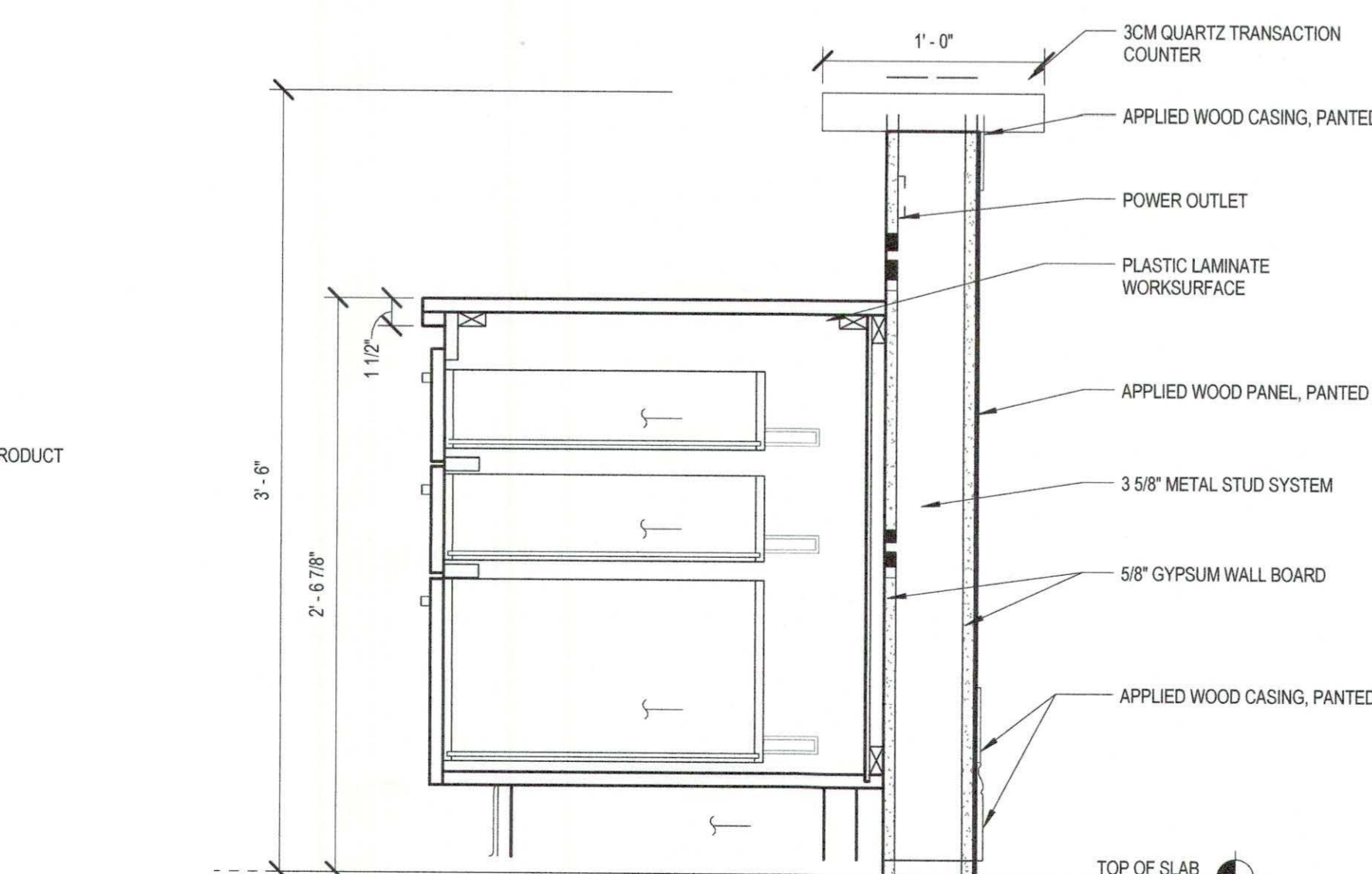
3 TYP CASEWORK DETAIL  
1 1/2" = 1'-0"



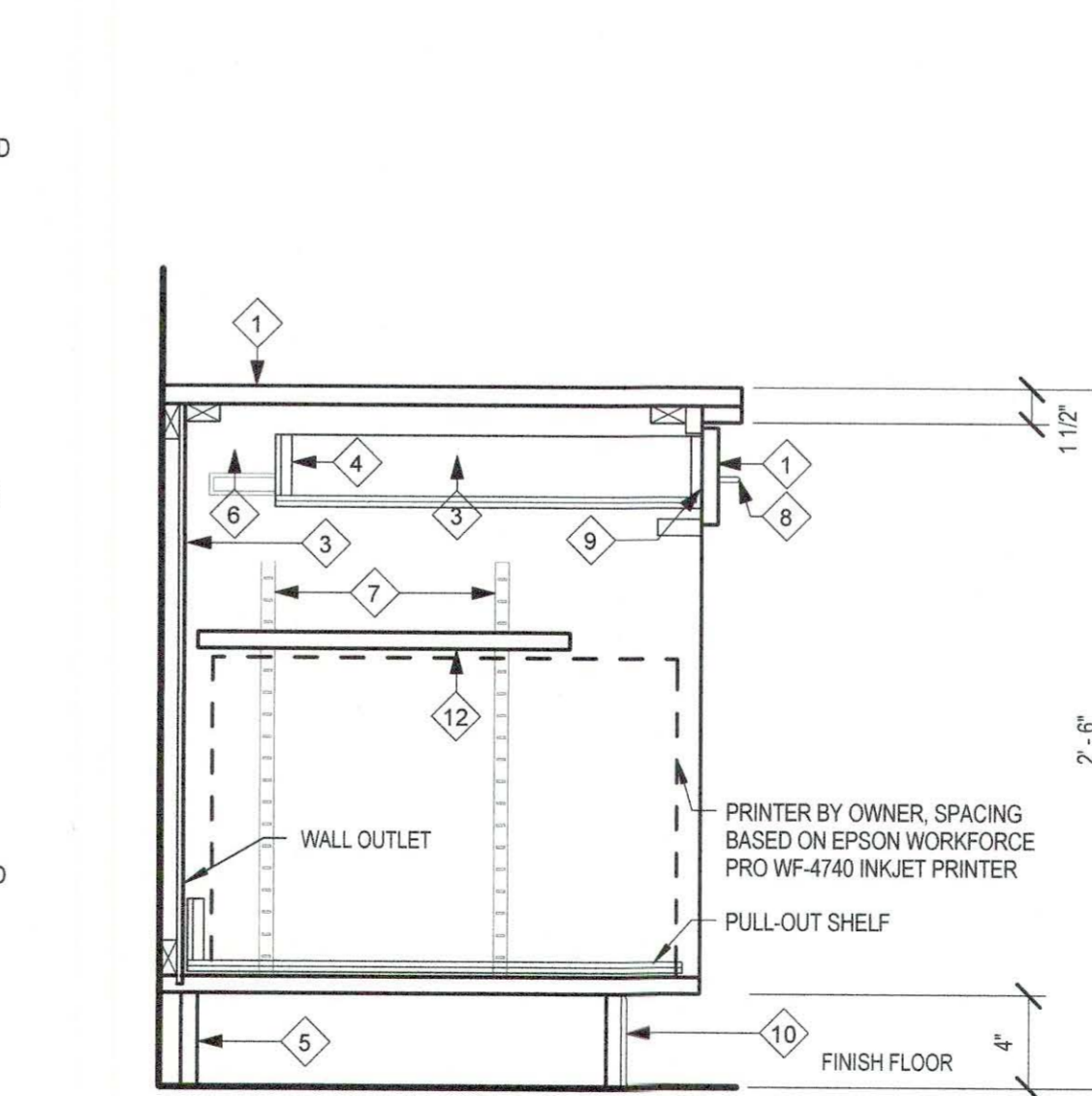
4 LAMINATE COUNTERTOP  
1 1/2" = 1'-0"



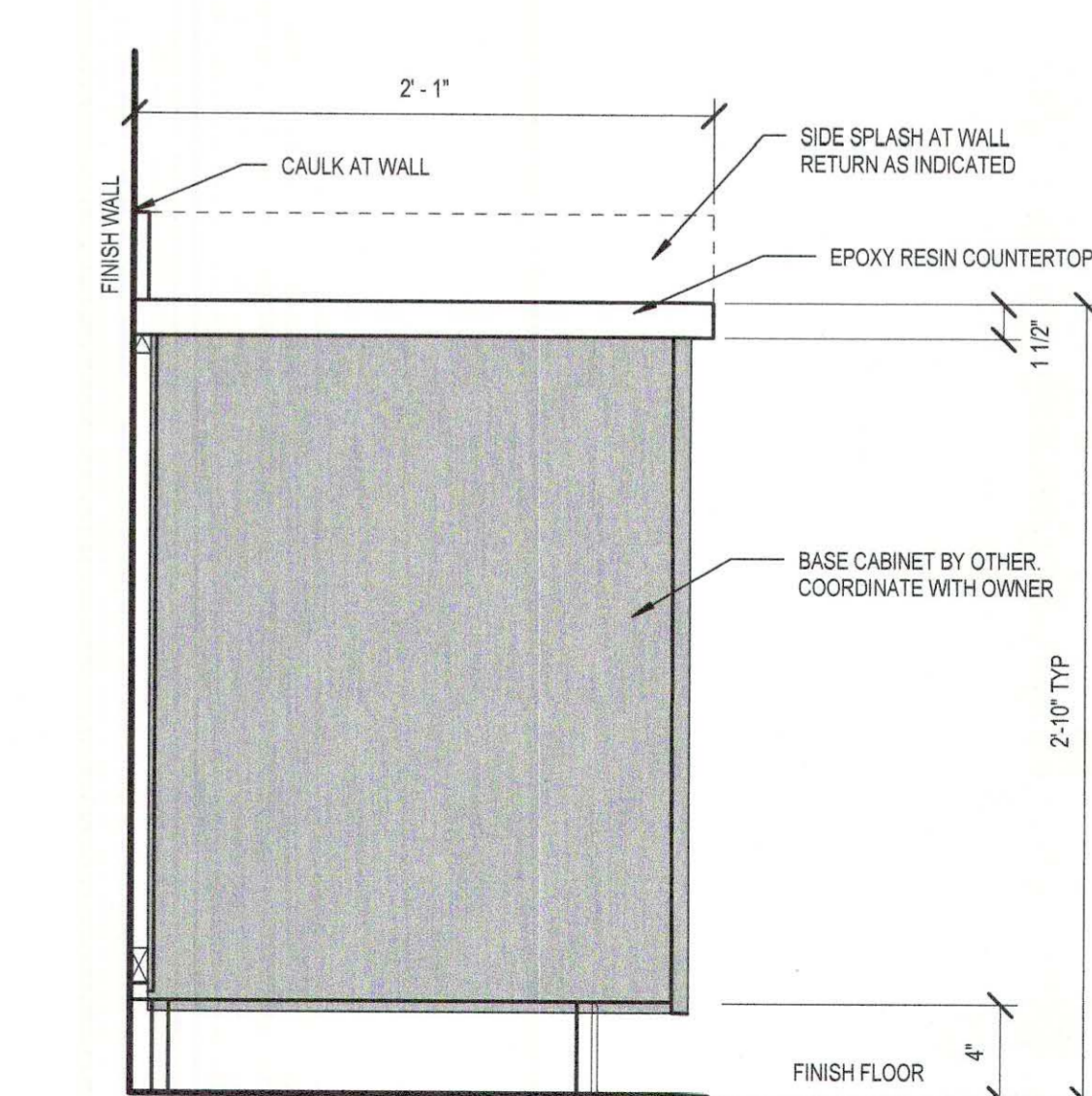
5 RECEPTION DESK  
1 1/2" = 1'-0"



6 RECEPTION TRANSACTION COUNTER  
1 1/2" = 1'-0"



7 RECEPTION PRINTER OPEN CABINETRY  
1 1/2" = 1'-0"



8 PRIMARY LAB CABINETRY  
1 1/2" = 1'-0"



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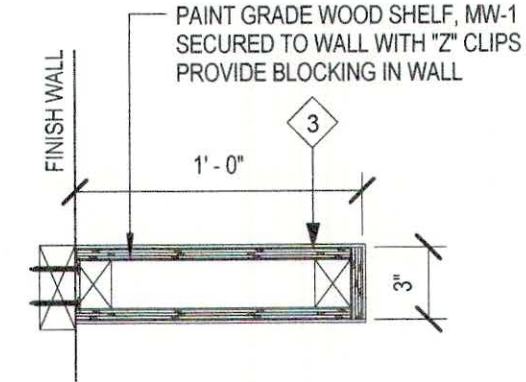
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**A11.0**  
MILLWORK

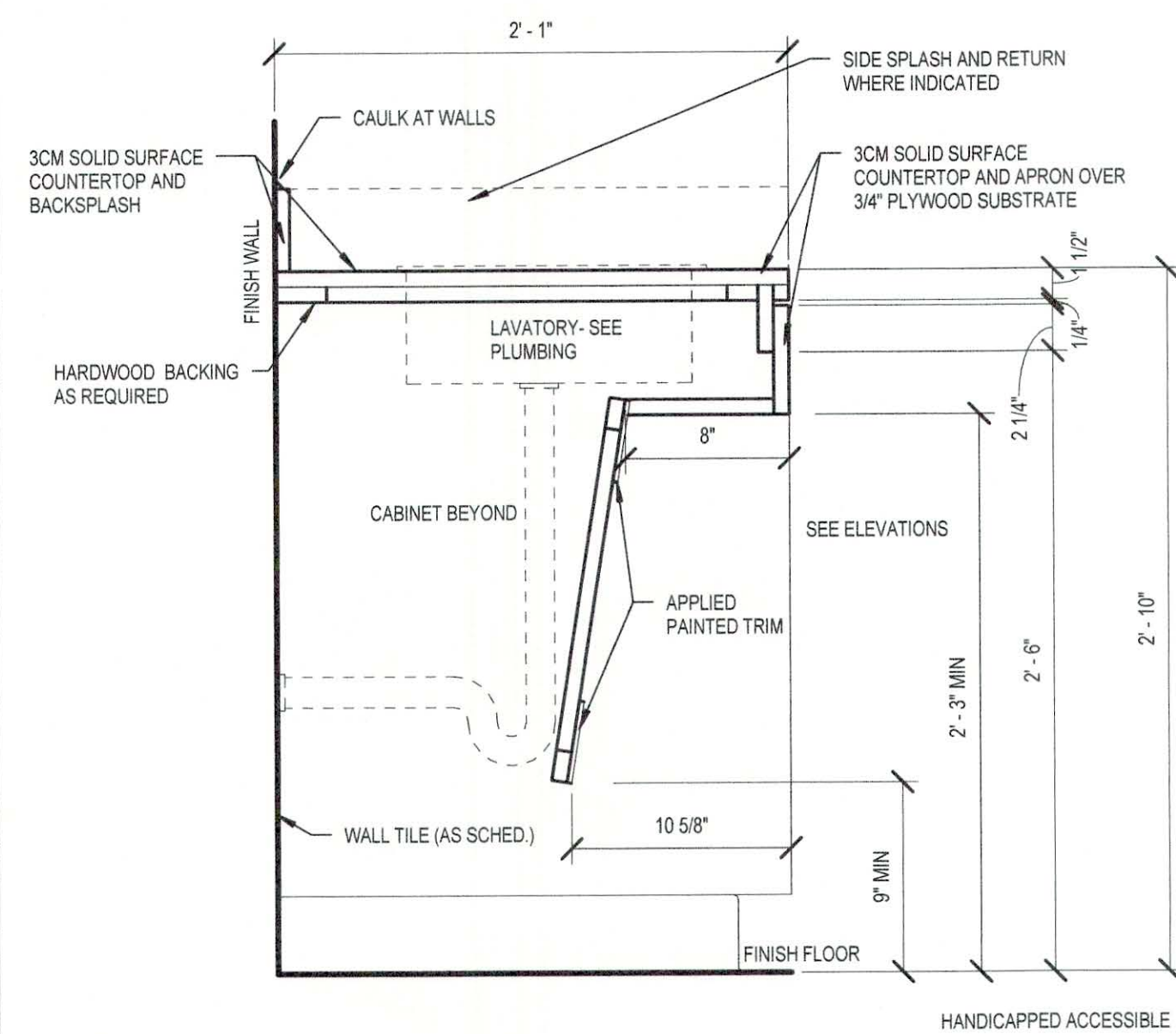
**FOUNTAINS**  
**DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**

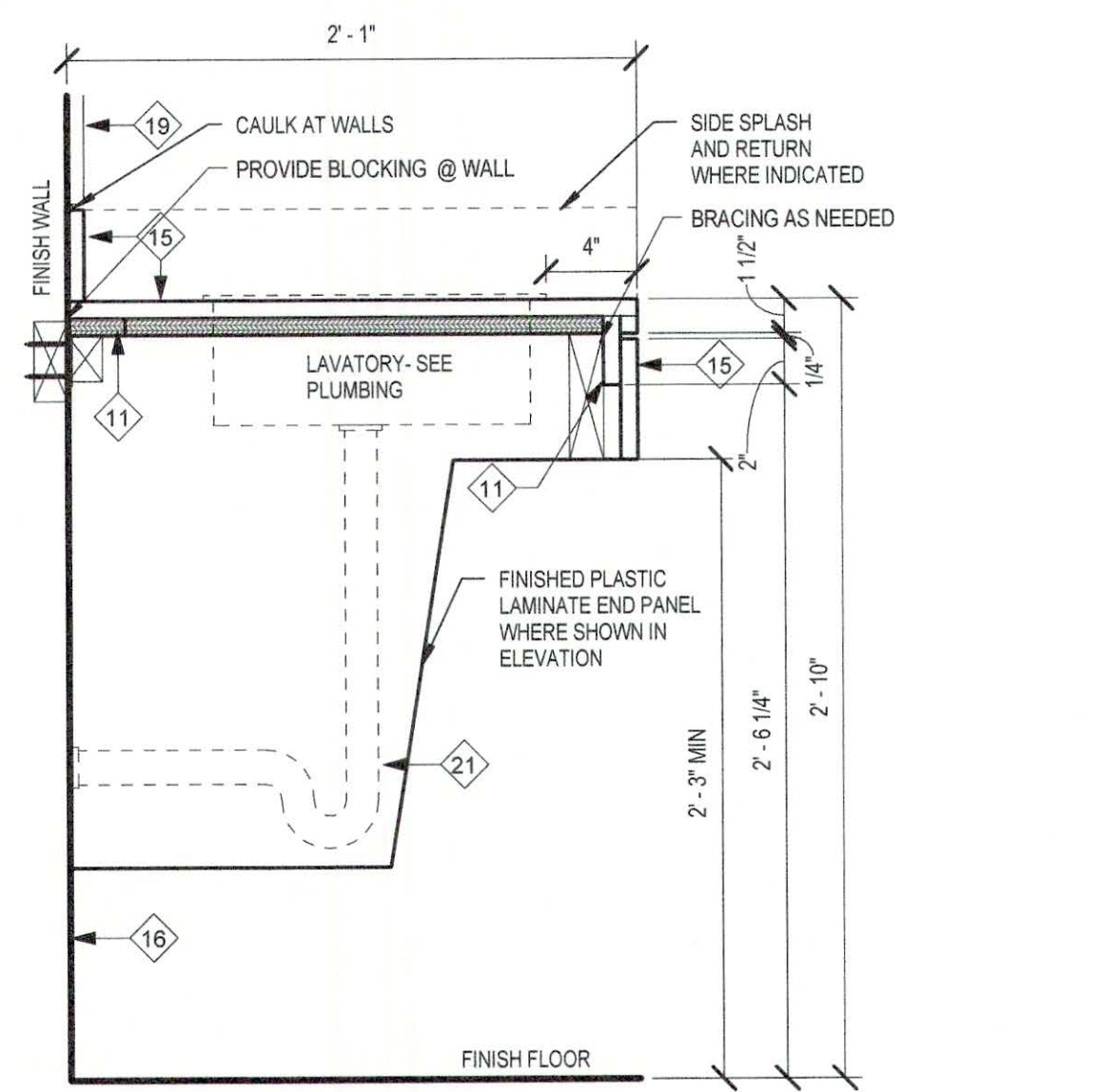
FOUNTAINS BLVD.  
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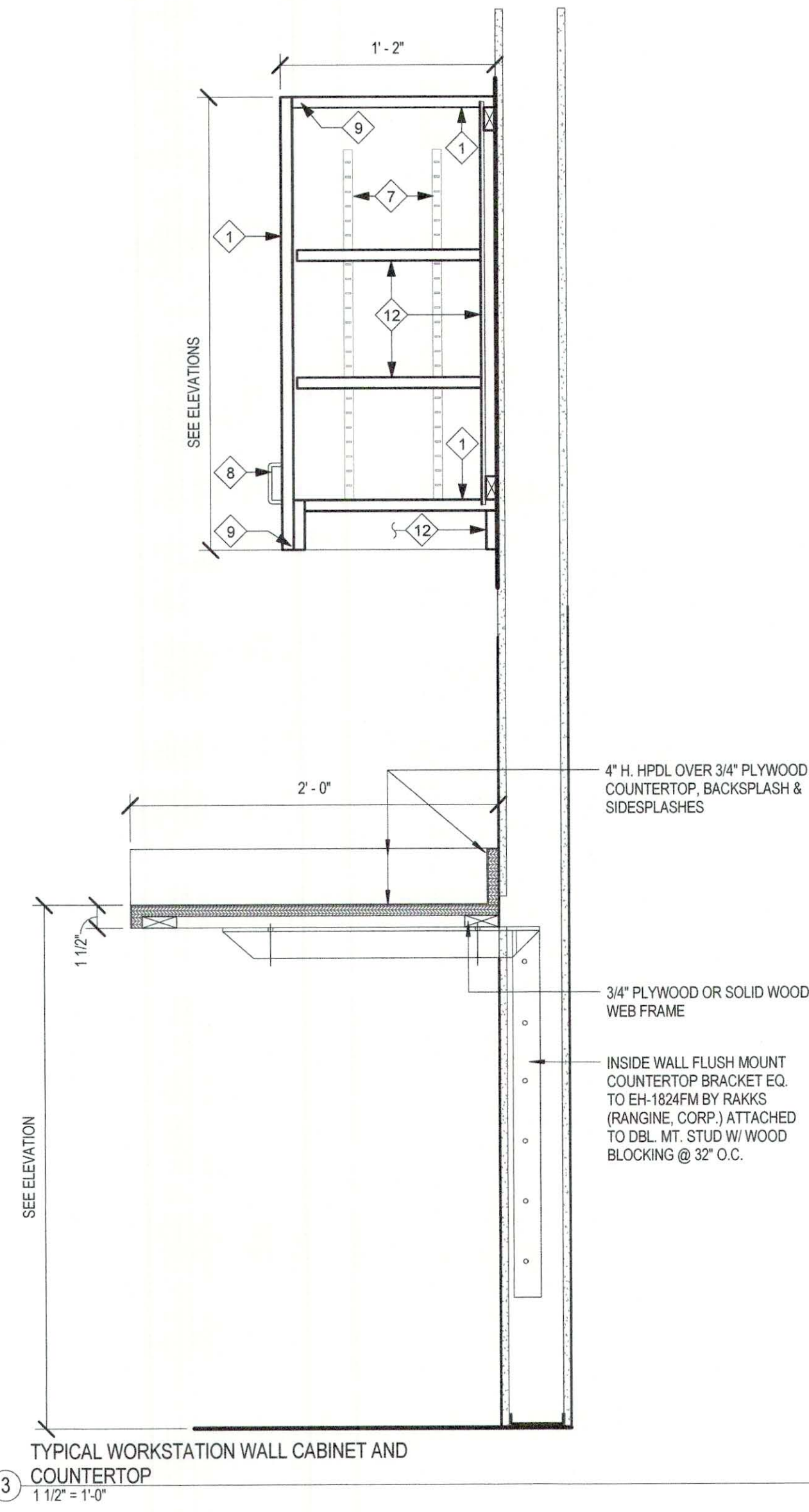
1 FLOATING SHELF  
1 1/2" = 1'-0"



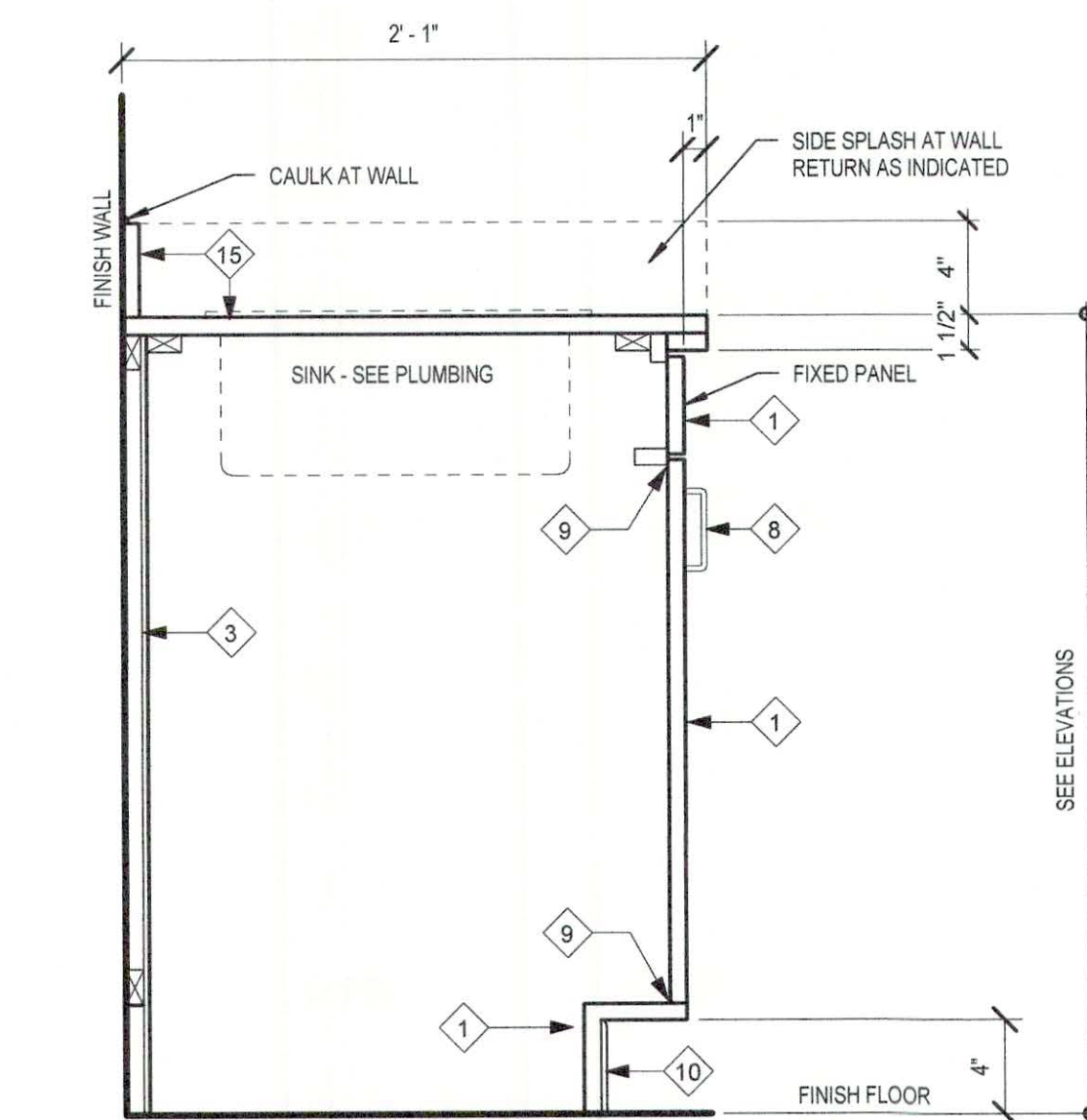
2 WAITING RESTROOM ADA VANITY  
1 1/2" = 1'-0"



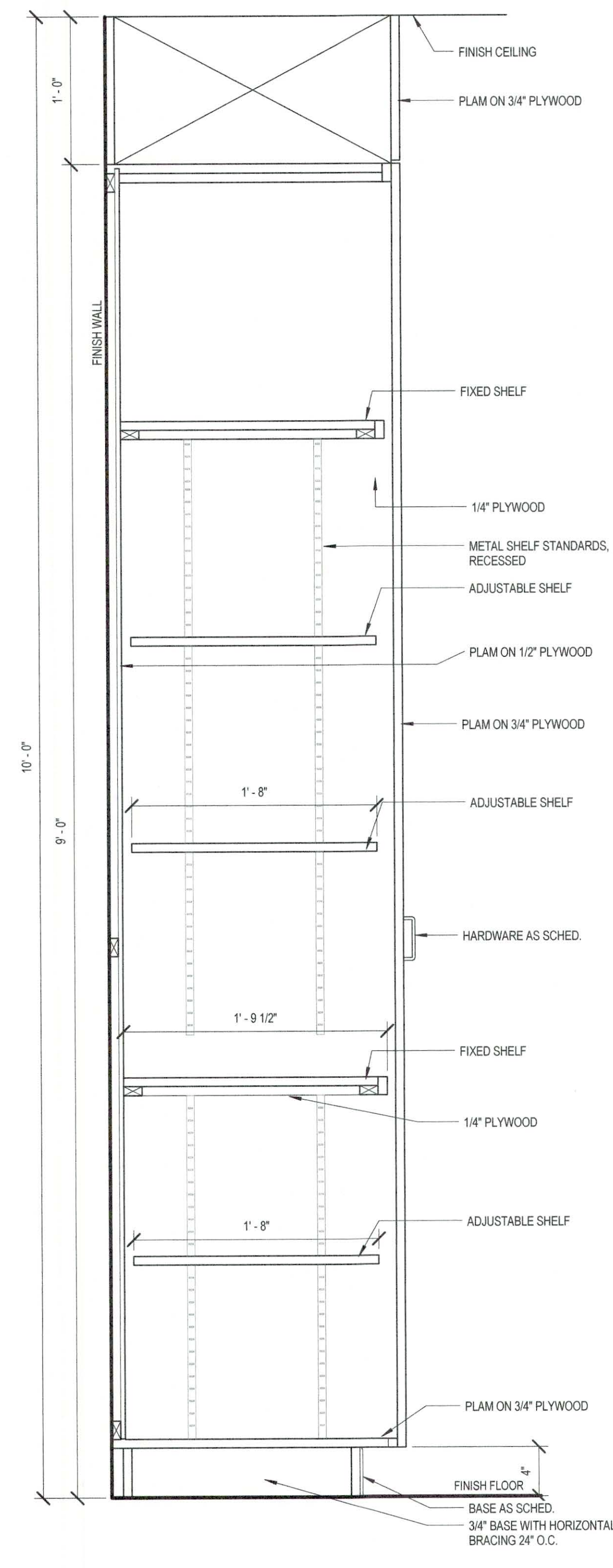
4 ADA RESTROOM VANITY  
1 1/2" = 1'-0"



3 TYPICAL WORKSTATION WALL CABINET AND COUNTERTOP  
1 1/2" = 1'-0"



5 STAFF ADA RESTROOM VANITY  
1 1/2" = 1'-0"

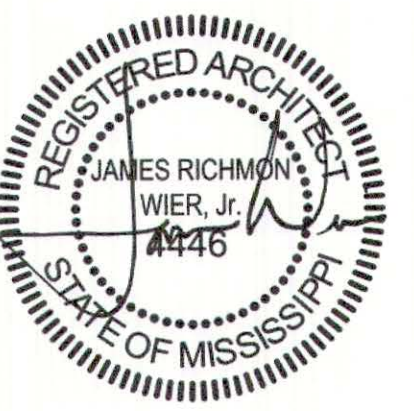


6 TALL STORAGE CABINET  
1 1/2" = 1'-0"

MILLWORK LEGEND	
1	PLASTIC LAMINATE ON 3/4" PLYWOOD (PLAM ON ALL EXPOSED SURFACES U.N.O.) COUNTER TOPS AND BACKSPLASH AS NOTED, WHICH WILL BE PLASTIC LAMINATE ON 3/4" PLYWOOD.
2	PLASTIC LAMINATE WOOD VENEER ON 1/2" PLYWOOD (WOOD VENEER ON ALL EXPOSED SURFACES U.N.O.)
3	1/4" PLYWOOD
4	1/2" HARDWOOD
5	3/4" BASE WITH HORIZONTAL BRACING 24" O.C.
6	SIDE MOUNTED DRAWER SLIDES - EACH SIDE
7	METAL SHELF STANDARDS - RECESSED
8	DRAWER OR DOOR PULL
9	HINGE
10	BASE - AS SCHEDULED
11	HARDWOOD BLOCKING AS REQUIRED
12	PLAM ON 3/4" PLYWOOD
13	CASTERS - FOUR PER UNIT UNLESS OTHERWISE NOTED
14	METAL BRACKETS FOR SHELF STANDARDS
15	SOLID SURFACE COUNTERTOP OVER 3/4" PLYWOOD SUBSTRATE
16	WALL FINISH - AS SCHEDULED

GENERAL NOTES:		
1.	COMPLETE MILLWORK FABRICATION, INCLUDING ASSEMBLY, FINISHING, AND HARDWARE APPLICATION, TO MAXIMUM EXTENT POSSIBLE, BEFORE SHIPMENT TO PROJECT SITE. DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR FITTING AT SITE. PROVIDE AMPLE ALLOWANCE FOR SCRIBING, TRIMMING, AND FITTING.	
2.	GENERAL CONTRACTOR SHALL PROVIDE WALL BLOCKING AS REQUIRED TO ATTACH MILLWORK.	
3.	GENERAL CONTRACTOR SHALL COORDINATE UTILITIES & SERVICES REQUIRED AT MILLWORK UNITS INCLUDING BUT NOT LIMITED TO: (TELEPHONE, ELECTRICAL, MEDICAL GASES, COMPUTER SERVICE, ETC.)	
4.	SUBMIT MATERIAL SAMPLES & F.V. ALL CONDITIONS PRIOR TO FABRICATION OF CASEWORK.	
5.	ALL LOCKS ON DRAWERS, DOORS, CABINETS, ETC. TO BE KEYPED ALIKE. GC TO COORDINATE WITH HARDWARE VENDOR.	



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# STRUCTURAL NOTES

## GENERAL

- CODES:** ALL CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL RESIDENTIAL BUILDING CODE, 2012 EDITION AND STANDARDS REFERENCED THEREIN.
- SAFETY:** THE CONTRACTOR IS RESPONSIBLE FOR JOB SAFETY.
- COORDINATION:** THE CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL WORKS DOCUMENTS WITH THE STRUCTURAL CONTRACT DOCUMENTS. NOTIFICATION SHALL BE MADE, IN WRITING, TO THE ARCHITECT OF ANY CONFLICT, DISCREPANCIES, OMISSIONS, AND/OR ANY VARIATIONS NEEDED IN ORDER TO COMPLY WITH CODES.
- SITE CONDITION VERIFICATION:** THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED, IN WRITING, OF ANY DISCREPANCIES IN EXISTING SITE CONDITIONS, DIMENSIONS, OR ELEVATIONS TO THOSE SHOWN IN THE STRUCTURAL CONSTRUCTION DOCUMENTS.
- GENERAL DETAILS:** CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
- DIMENSIONS:** THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONSTRUCTION DOCUMENTS, SEE THE ARCHITECTURAL DRAWINGS.
- MEANS OF CONSTRUCTION:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- MATERIALS AND TESTING:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTATION OF ALL MATERIAL PROPERTIES, GRADES, STRENGTHS, ETC. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL TESTING REQUIRED TO VERIFY MATERIAL STRENGTHS. ALL TEST DATA SHALL BE DOCUMENTED AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
- BRACING:** THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND ERECTION OF SAFE AND ADEQUATE BRACING, SHORING, TEMPORARY SUPPORTS, ETC. REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION UNTIL FINAL SUPPORT IS SECURELY ANCHORED AND/OR CURED.
- SHOP DRAWINGS:** THE CONTRACTOR SHALL SUPPLY THE STRUCTURAL ENGINEER WITH CHECKED SHOP DRAWINGS BEARING THE CONTRACTOR'S STAMP OF APPROVAL AND SIGNATURE. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THIS REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT AND/OR COMPLETE, NOR DOES IT INFER THAT THEY SUPERCEDE THE STRUCTURAL CONSTRUCTION DOCUMENTS.
- INSPECTIONS:** ANY INSPECTIONS SPECIAL OR OTHERWISE, WHICH ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR THESE PLANS, SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY. JOB SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE, OR SUBSTITUTE INSPECTION UNLESS SPECIFICALLY CONTRACTED FOR.
- ALTERATIONS:** IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS PRIOR APPROVAL IS OBTAINED BY THE STRUCTURAL ENGINEER IN WRITING.

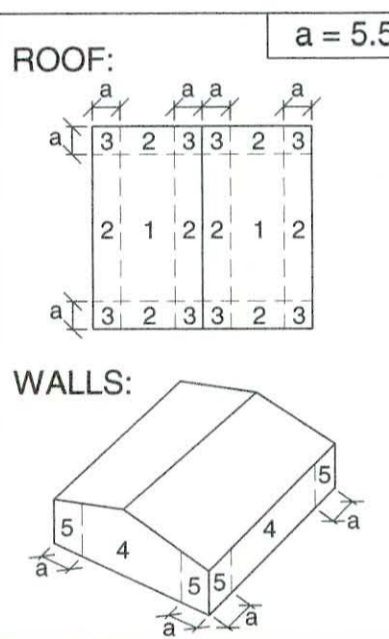
## STRUCTURAL DESIGN DATA

- LIVE LOADS:**  
ROOF LIVE LOAD = 20 PSF  
FLOOR LIVE LOADS:  
MECHANICAL MEZZANINE = 150 PSF
- DEAD LOADS:**  
ROOF DEAD LOAD:  
TOP CHORD D.L. = 10 PSF  
BOTTOM CHORD D.L. = 10 PSF  
MECHANICAL MEZZANINE = 20 PSF
- SNOW LOAD:**  
GROUND SNOW LOAD = 5 PSF  
SNOW IMPORTANCE FACTOR = 1.0
- SEISMIC DESIGN DATA:**

SEISMIC DESIGN DATA	
- RISK CATEGORY = II	
- IMPORTANCE FACTOR = 1.0	
- SITE CLASS = D	
- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
$S_s = 0.168$	
$S_1 = 0.092$	
- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
$S_{DS} = 0.179$	
$S_{D1} = 0.146$	
- SEISMIC DESIGN CATEGORY = C	
- BASIC SEISMIC-FORCE-RESISTING SYSTEM:	
LIGHT FRAMED WALLS SHEATHED WITH WOOD (R = 6.5)	
- ANALYSIS PROCEDURE:	
EQUIVALENT LATERAL FORCE	

## 4. WIND DESIGN DATA:

WIND DESIGN DATA		
1. BASIC WIND SPEED = 115 MPH (ULTIMATE)		
2. RISK CATEGORY = II		
3. WIND EXPOSURE CATEGORY = B		
4. INTERNAL PRESSURE COEFFICIENT = 0.18 +/-		
5. ENCLOSED STRUCTURE		
COMPONENTS AND CLADDING LOADS		
	AREA (SF)	PRESSURE (PSF) (ASD)
		MAXIMUM MINIMUM
ROOF	0-10	9.60 -14.27
ZONE 1	30	9.60 -13.70
	100	9.60 -13.06
ROOF	0-10	9.60 -23.95
ZONE 2	30	9.60 -19.91
	100	9.60 -15.48
ROOF	0-10	9.60 -36.05
ZONE 3	30	9.60 -26.24
	100	9.60 -15.48
WALL	0-10	13.06 -14.15
ZONE 4	50	11.72 -12.81
	200	10.56 -11.65
WALL	0-10	13.06 -17.42
ZONE 5	50	11.72 -14.73
	200	10.56 -12.42



## CONCRETE & REINFORCING STEEL

- STRENGTH:** ALL CONCRETE SHALL HAVE A NORMAL WEIGHT OF 145 PCF AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
- SLUMP:** THE CONCRETE SLUMP SHALL BE 4" AT THE POINT OF PLACEMENT. THE USE OF WATER-REDUCING ADMIXTURES MAY BE USED IF AN INCREASED SLUMP IS DESIRED FOR WORKABILITY. THE SLUMP SHALL NOT EXCEED 5" WITH THE USE OF NORMAL WATER-REDUCERS & SHALL NOT EXCEED 7" WITH THE USE OF MID-RANGE OR HIGH-RANGE WATER-REDUCERS.
- JOBSITE SLUMP CONTROL:** WHEN CONCRETE ARRIVES AT THE POINT OF PLACEMENT WITH A SLUMP BELOW WHAT WILL RESULT IN THE SPECIFIED SLUMP AT THE POINT OF PLACEMENT AND IS UNSUITABLE FOR PLACING AT THAT SLUMP, A ONE-TIME SLUMP ADJUSTMENT MAY BE MADE IN ORDER TO ACHIEVE THE SPECIFIED SLUMP BY ADDING WATER UP TO THE ALLOWABLE AMOUNT AS DOCUMENTED IN THE ACCEPTED MIXTURE PROPORTIONS AND NOTED ON THE DELIVERY TICKET. THE SPECIFIED SLUMP AND WATER-CEMENTITIOUS MATERIAL RATIO SHALL NOT BE EXCEEDED. ALL TESTING SHALL BE COMPLETED AFTER THE ADDITION OF WATER. THE ADDITION OF WATER SHALL BE IN ACCORDANCE WITH ASTM C 94.
- DOCUMENTATION:** THE CONCRETE MIX DESIGN, STRENGTH, AND ALL SPECIFIED TESTING SHALL BE FULLY DOCUMENTED AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL.
- CURING:** CONCRETE SLABS SHALL BE CURED USING A SPRAY-ON CURING COMPOUND APPLIED IMMEDIATELY AFTER FINISHING IS COMPLETED. THE CURING COMPOUND SHALL BE EQUAL TO W.R. GRACE 1150-CLEAR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CURING COMPOUND IS COMPATIBLE WITH ALL FLOOR FINISHES.
- REINFORCEMENT PLACEMENT:** ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT SHALL NOT BE WELDED. REINFORCEMENT SHALL NOT BE WET SET IN CONCRETE.
- INSERTS:** ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC. SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING CONCRETE.
- SECURING REINFORCEMENT:** ALL REINFORCING STEEL & EMBEDMENTS SHALL BE SECURELY TIED AND SUFFICIENTLY SUPPORTED TO MAINTAIN THE POSITION WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.
- WEATHER:** WEATHER CONDITIONS SHALL NOT BE ACCEPTABLE AS A VALID REASON FOR INCORRECT OR OTHERWISE POOR QUALITY OF CONCRETE OR CONCRETE SURFACES.
- REINFORCEMENT COVER:** MINIMUM REINFORCEMENT COVER SHALL BE AS SHOWN IN THIS TABLE:

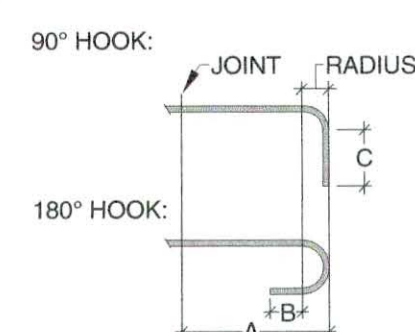
CONCRETE REINFORCEMENT COVER		
EXPOSURE CONDITION	MINIMUM COVER	TOLERANCE (-)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"	3/8"
EXPOSED TO EARTH OR WEATHER: No. 5 AND SMALLER BARS	1 1/2"	1/4"
No. 6 AND LARGER BARS	2"	1/4"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: STRUCTURAL SLABS & WALLS	3/4"	1/8"
BEAMS AND COLUMNS	1 1/2"	1/4"
SLABS ON GRADE:	2"	1/4"

- SPLICING REINFORCEMENT:** CONTINUOUS REINFORCEMENT SHALL BE PROVIDED WHEREVER POSSIBLE. REINFORCEMENT SHALL BE LAP SPLICED WHEN REQUIRED AS FOLLOWS:

REINFORCEMENT LAP SLICE LENGTHS	
BAR SIZE	LAP SPLICE LENGTH
#3	22"
#4	29"
#5	36"
#6	43"
#7	63"
#8	72"
#9	81"

- REINFORCEMENT STANDARD HOOKS:** REINFORCEMENT SHALL BE HOOKED AS SHOWN IN THE TABLE BELOW WHEN SPECIFIED IN THE DRAWINGS:

REINFORCEMENT STANDARD HOOKS				
BAR SIZE	RADIUS	A	B	C
#3	1.5"	8.5"	2.5"	4.5"
#4	2"	11"	2.5"	6"
#5	2.5"	14"	2.5"	7.5"
#6	3"	16.5"	3"	9"
#7	3.5"	19.5"	3.5"	10.5"
#8	4"	22"	4"	12"
#9	5.625"	25"	4.5"	13.5"



## TIMBER

- GRADE:** STRUCTURAL TIMBER SHALL BE NO. 2 GRADE SOUTHERN YELLOW PINE WITH A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF PERMANENT INCORPORATION TO THE STRUCTURE.
- SHEATHING:** WOOD STRUCTURAL PANELS NOT LESS THAN 4 FEET BY 8 FEET, EXCEPT AT BOUNDARIES, SHALL BE USED FOR ROOF, FLOOR, AND WALL SHEATHING. WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR THEIR TYPE IN DOC PS 1 OR PS 2. ALL SHEATHING SHALL BE OSB OR PLYWOOD. WALL SHEATHING SHALL HAVE A MINIMUM THICKNESS OF 7/16" AND SHALL BE FASTENED WITH 8d COMMON NAILS AT PANEL EDGES AT 6" O.C. AND IN THE FIELD AT 12" O.C. ROOF SHEATHING SHALL HAVE A MINIMUM THICKNESS OF 5/8" AND SHALL BE FASTENED WITH 10d NAILS AT PANEL EDGES AT 6" O.C. AND IN THE FIELD AT 12" O.C. FLOOR SHEATHING SHALL BE TWO LAYERS OF 3/4" PLYWOOD. FASTEN EACH LAYER WITH 10d NAILS AT 6" O.C. AT PANEL EDGES AND IN THE FIELD AT 12" O.C. THE FIRST LAYER OF FLOOR SHEATHING SHALL BE GLUED TO THE FLOOR TRUSSES AND THE 2ND LAYER OF FLOOR SHEATHING SHALL BE GLUED TO THE 1ST LAYER.
- WALL STUDS:** INTERIOR WALL STUDS SHALL BE A MINIMUM OF 2x4 AT 16" O.C. SEE MEZZANINE FRAMING PLAN FOR INTERIOR WALLS REQUIRING 2x4 STUDS AT 12" O.C. AND 2x6 STUDS AT 16" O.C. EXTERIOR WALL STUDS SHALL BE AS SHOWN BELOW. USE ENGINEERED LUMBER OF THE NOTED SIZE AS NEEDED FOR LONG STUDS. DO NOT SPLICE STUDS.

WALL HEIGHT	WALL STUDS
11'-0"	2x6 STUDS @ 16" O.C.
15'-6"	2x6 STUDS @ 12" O.C.
18'-0"	2x8 STUDS @ 12" O.C.

- SILL PLATES:** SILL PLATES SHALL BE ATTACHED TO THE FOUNDATION AS SPECIFIED IN THE DRAWINGS. SILL PLATES IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- HEADERS:** HEADERS SHALL BE PROVIDED OVER EACH OPENING. (3)-2x8 HEADERS SHALL BE USED FOR 2x6 EXTERIOR WALL OPENINGS NOT OTHERWISE SPECIFIED IN THE DRAWINGS. (4)-2x8 HEADERS SHALL BE USED FOR 2x8 EXTERIOR WALL OPENINGS NOT OTHERWISE SPECIFIED IN THE DRAWINGS. EXTERIOR WALL HEADERS SHALL BEAR ON A MINIMUM OF (1) STUD AT EACH END.
- TIMBER BEAMS:** TIMBER BEAMS BUILT UP FROM MULTIPLE JOISTS SHALL BE FASTENED TOGETHER WITH 10d NAILS AT 8" O.C. ON TOP & BOTTOM ON EACH FACE OF THE BEAM. THE NAILS SHALL HAVE A MINIMUM 1" EDGE DISTANCE AT THE TOP & BOTTOM OF THE BEAM AND 4" EDGE DISTANCE AT THE ENDS OF THE BEAM.
- LVL BEAMS:** BUILT UP LVL BEAMS SHALL BE FASTENED TOGETHER AS SHOWN IN THE FOLLOWING TABLE:

MULTIPLE LVL FASTENING REQUIREMENTS	
No. OF PLYS	REQUIRED FASTENERS
2-PLY	3 3/8" FlatLok SCREWS AT 24" ON TOP & BOTTOM
3-PLY	5" FlatLok SCREWS AT 24" ON TOP & BOTTOM
4-PLY	6 3/4" FlatLok SCREWS AT 24" ON TOP & BOTTOM

FlatLok SCREWS BY FastenMaster (www.fastenmaster.com)

## BRICK VENEER

- BRICK TIES:** BRICK VENEER SHALL BE ANCHORED TO STUDS WITH BRICK TIES AT A MAXIMUM SPACING OF 16" VERTICAL AND HORIZONTAL. BRICK TIES SHALL BE FASTENED TO STUDS WITH 8d NAILS. SEE SPECIFICATIONS FOR BRICK TIES.
- LOOSE LINTELS:** L5x3 1/2x5/16 LOOSE LINTELS SHALL BE INSTALLED ABOVE ALL OPENINGS NOT EXCEEDING 5'-0" IN WIDTH. L6x3 1/2x3/8 LOOSE LINTELS SHALL BE INSTALLED ABOVE ALL OPENINGS OVER 5'-0", BUT NOT EXCEEDING 7'-0" IN WIDTH.
- CONTROL JOINTS:** INSTALL CONTROL JOINTS IN BRICK VENEER AS SHOWN IN THE ARCHITECTURAL DRAWINGS.

## FOUNDATIONS

- GEOTECHNICAL REPORT:** THE FOUNDATION AND SLAB-ON-GRADE DESIGN WAS BASED ON DESIGN RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT PROVIDED BY SOILTECH CONSULTANTS, INC. (JULY 17, 2017). BASED ON THESE RECOMMENDATIONS, AN ALLOWABLE NET BEARING CAPACITY OF 2,300 POUNDS PER SQUARE FOOT WAS USED FOR THE DESIGN OF SPREAD FOOTINGS AND 2,000 POUNDS PER SQUARE FOOT FOR THE DESIGN OF CONTINUOUS FOOTINGS/GRADE BEAMS. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED CONSTRUCTION PROCEDURES CONTAINED IN THE GEOTECHNICAL REPORT.
- SITE PREPARATION:** REMOVE ALL MATERIALS THE GEOTECHNICAL ENGINEER DEEMS OBJECTIONAL, THEN PROOF ROLL THE SITE UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. PLACE SELECT FILL SOILS ONLY AFTER THE GEOTECHNICAL ENGINEER HAS GIVEN APPROVAL.
- SELECT FILL:** SELECT FILL MATERIAL SHALL CONSIST OF SELECT, NONORGANIC AND DEBRIS-FREE SILTY CLAYS (CL), SANDY CLAYS (CL), OR CLAYEY SANDS (SC) HAVING A LIQUID LIMIT OF LESS THAN 45 PERCENT AND A PLASTICITY INDEX BETWEEN 10 PERCENT AND 25 PERCENT. SELECT FILL SHALL BE PLACED IN MAXIMUM LOOSE LIFTS OF 9 INCHES AND COMPACTED TO 98 PERCENT OF STANDARD PROCTOR DENSITY (ASTM D 698) WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT. DENSITY TESTS SHALL BE CONDUCTED FOR EACH LIFT AT A RATE OF ONE DENSITY TESTS PER 1,500 SQUARE FEET OF SURFACE AREA PER LIFT.
- QUESTIONABLE SOILS:** SHOULD THE CONTRACTOR ENCOUNTER UNUSUAL SOILS OR QUESTIONABLE SUBSURFACE CONDITIONS, THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE CONTACTED IMMEDIATELY.

## FOUNTAINS DOCTOR'S OFFICE

9.29.17

FOUNTAINS BLVD.  
MADISON, MS 39110



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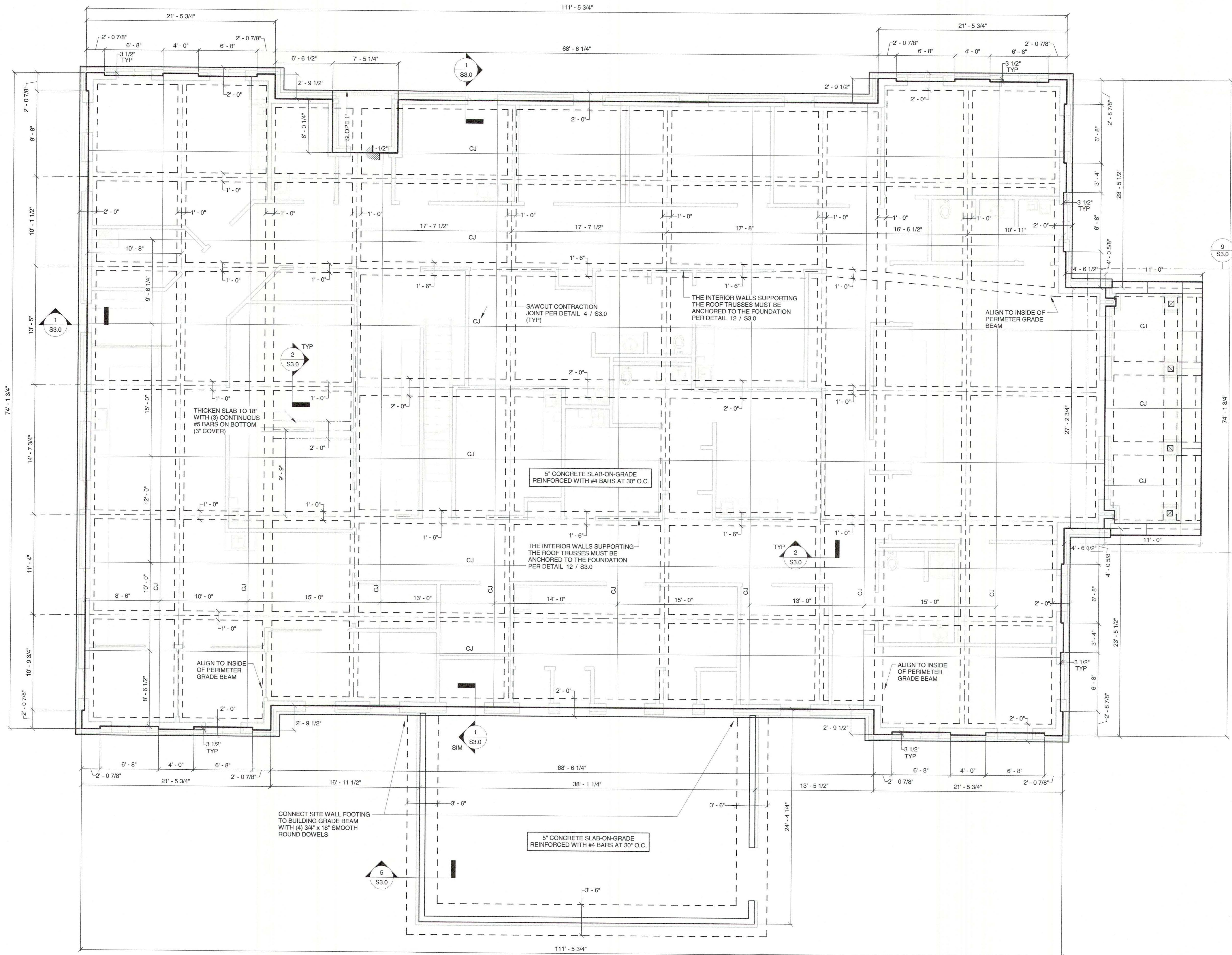
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STRUCTURAL NOTES

**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17

FOUNTAINS BLVD.  
MADISON, MS 39110



**FOUNDATION PLAN**  
3/16" = 1'-0"

- FOUNDATION NOTES:**
1. PROVIDE CORNER BARS AT ALL GRADE BEAM INTERSECTIONS PER DETAIL 6 / S3.0
  2. PROVIDE REINFORCEMENT AROUND ALL SLAB BLOCKOUTS AND PENETRATIONS, INCLUDING PLUMBING PIPES, PER DETAIL 7 / S3.0
  3. SEE DETAIL 8 / S3.0 FOR PLUMBING PENETRATIONS IN GRADE BEAMS



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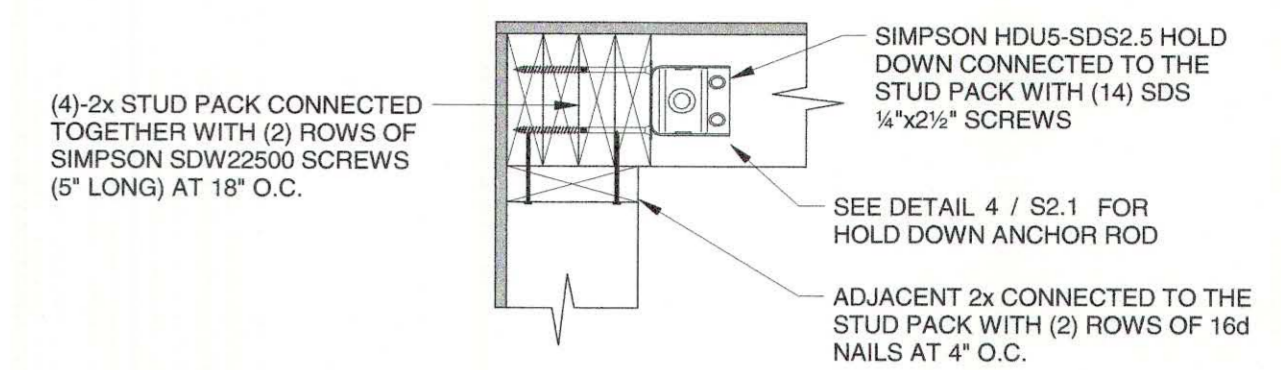
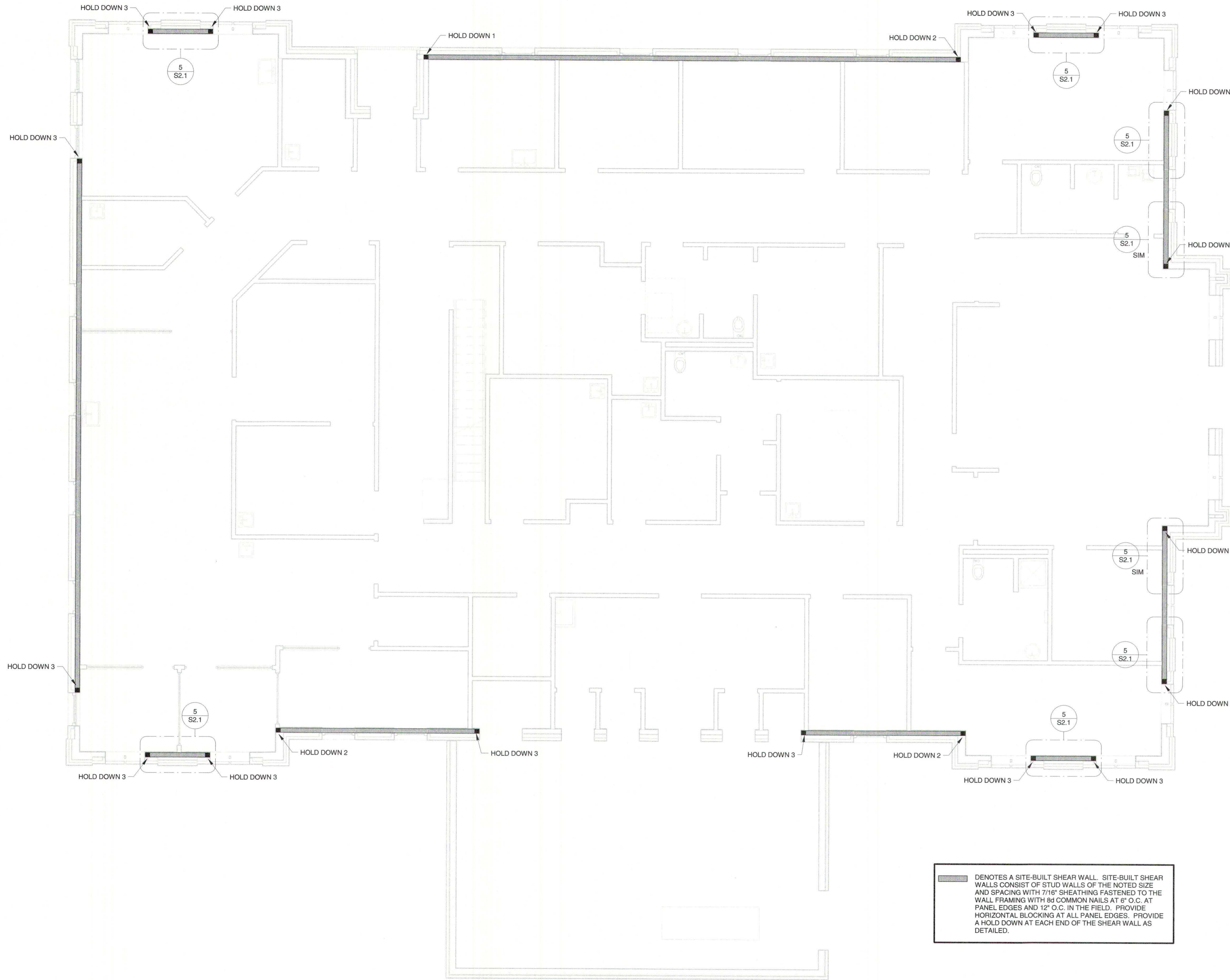
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**S2.0**  
FOUNDATION PLAN

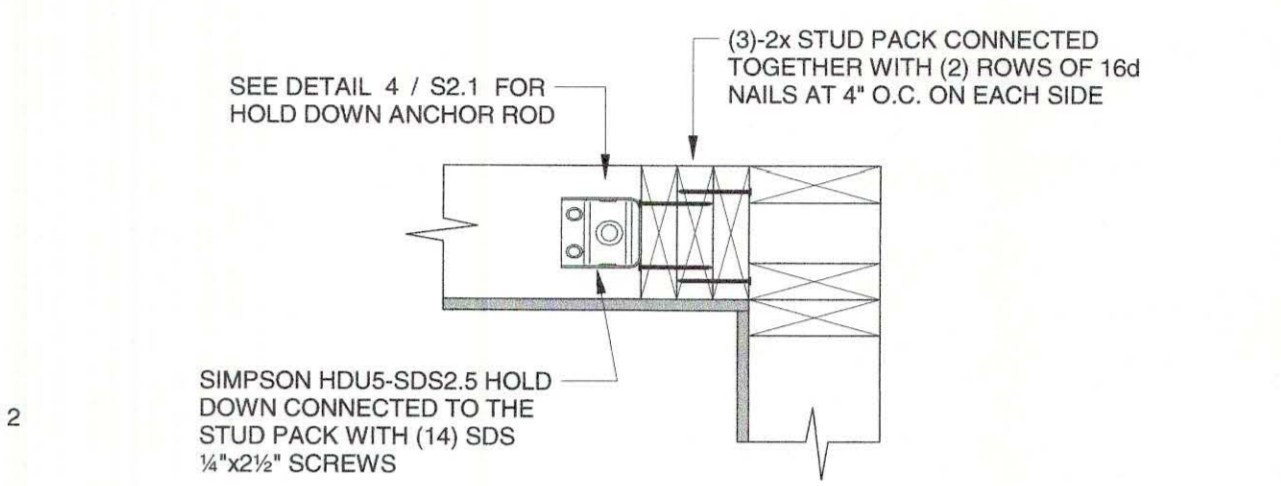
**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17

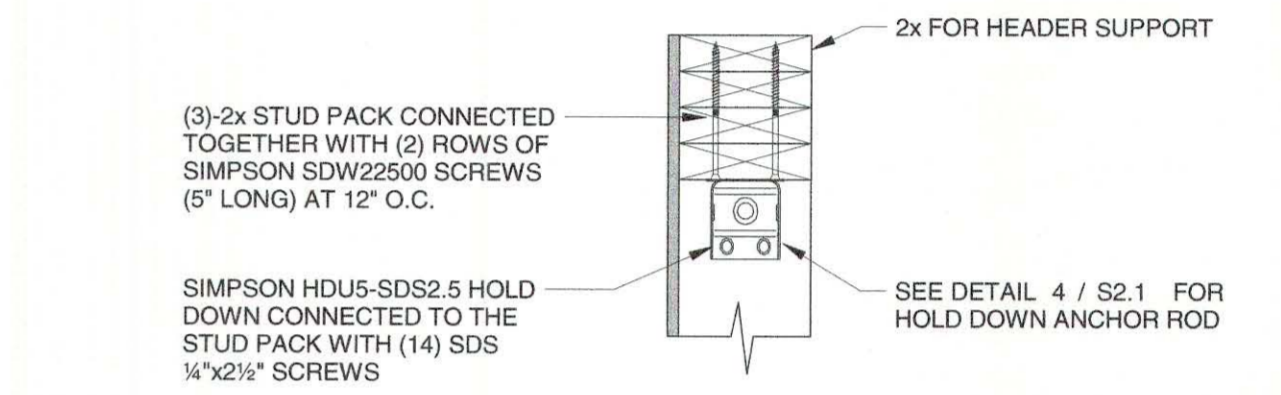
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MADISON, MS 39110



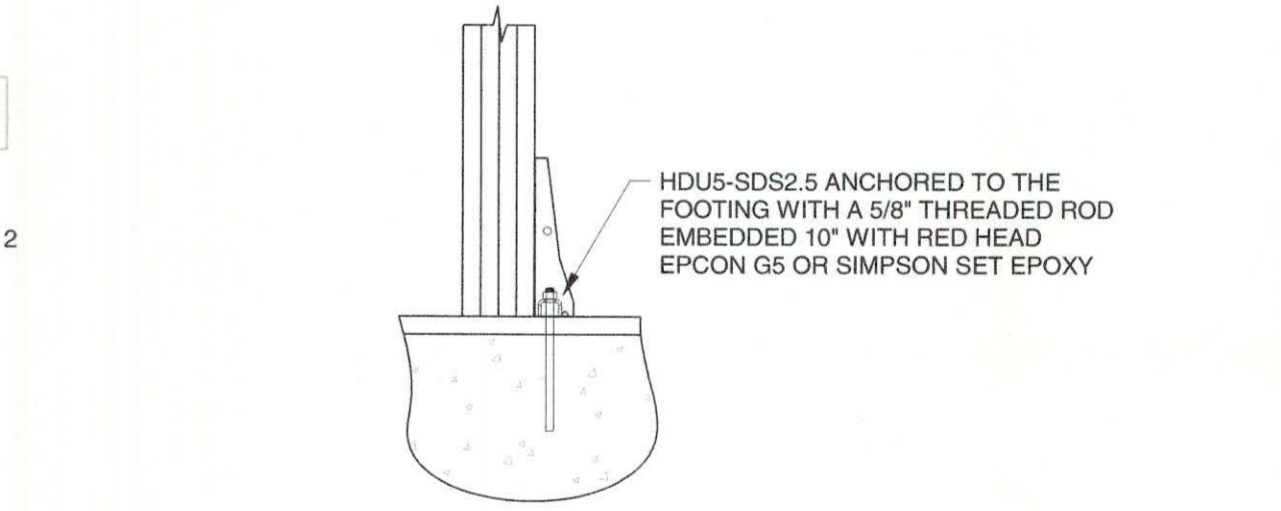
**1** SHEAR WALL HOLD DOWN 1  
S2.1 1 1/2" = 1'-0"



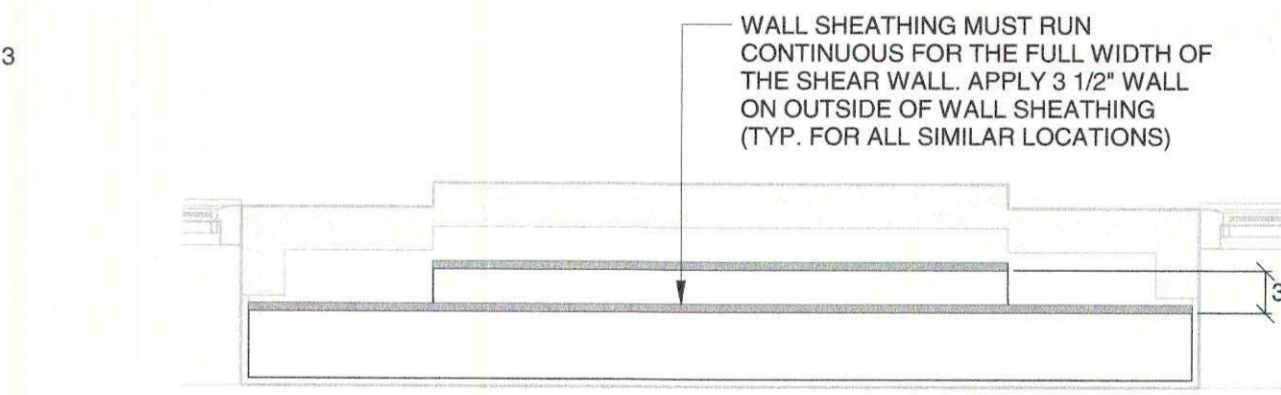
**2** SHEAR WALL HOLD DOWN 2  
S2.1 1 1/2" = 1'-0"



**3** SHEAR WALL HOLD DOWN 3  
S2.1 1 1/2" = 1'-0"



**4** FRAMING HOLD DOWN DETAIL  
S2.1 3/4" = 1'-0"



**5** SHEAR WALL PLAN DETAIL  
S2.1 3/4" = 1'-0"

DENOTES A SITE-BUILT SHEAR WALL. SITE-BUILT SHEAR WALLS CONSIST OF STUD WALLS OF THE NOTED SIZE AND SPACING WITH 7/16\"/>

**SHEAR WALL PLAN**  
3/16" = 1'-0"



SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

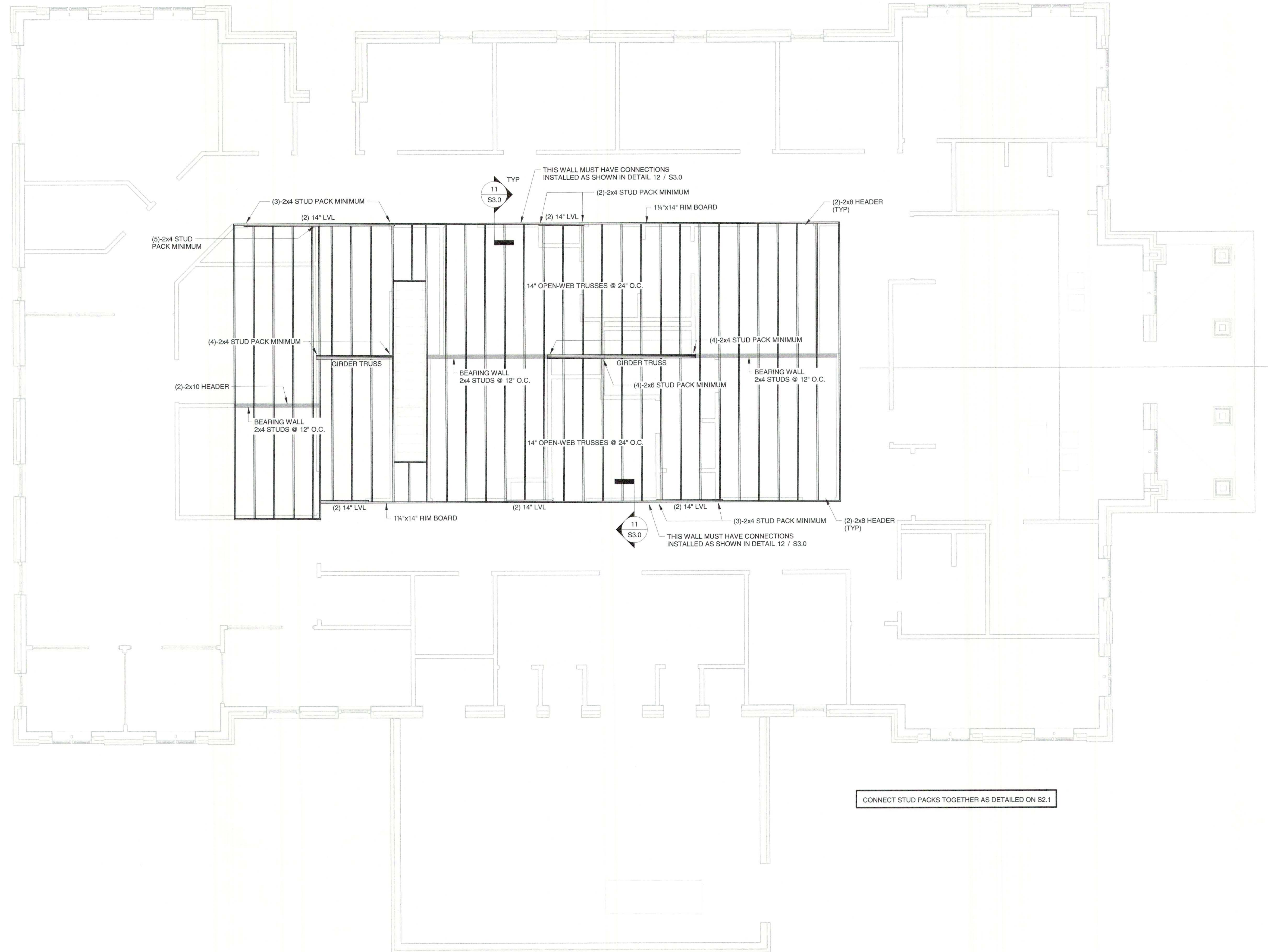
NO.	DESCRIPTION	DATE

**S2.1**  
SHEAR WALL PLAN

**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17

FOUNTAINS BLVD.  
MADISON, MS 39110



CONNECT STUD PACKS TOGETHER AS DETAILED ON S2.1

**MEZZANINE FRAMING PLAN**  
3/16" = 1'-0"



SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

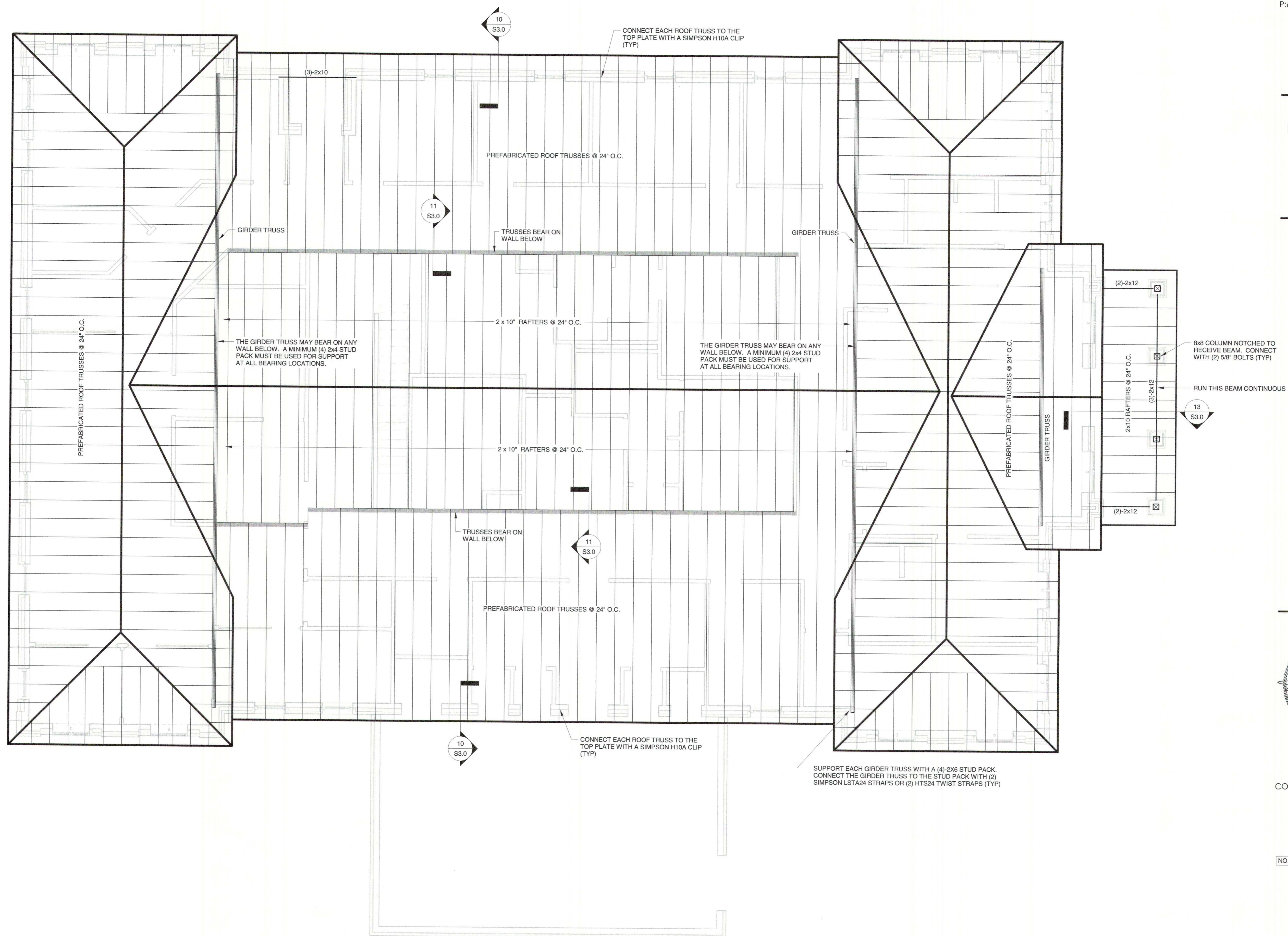
REVISIONS		
NO.	DESCRIPTION	DATE

**S2.2**  
MEZZANINE FRAMING  
PLAN

**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17

FOUNTAINS BLVD.  
MADISON, MS 39110



**ROOF FRAMING PLAN**

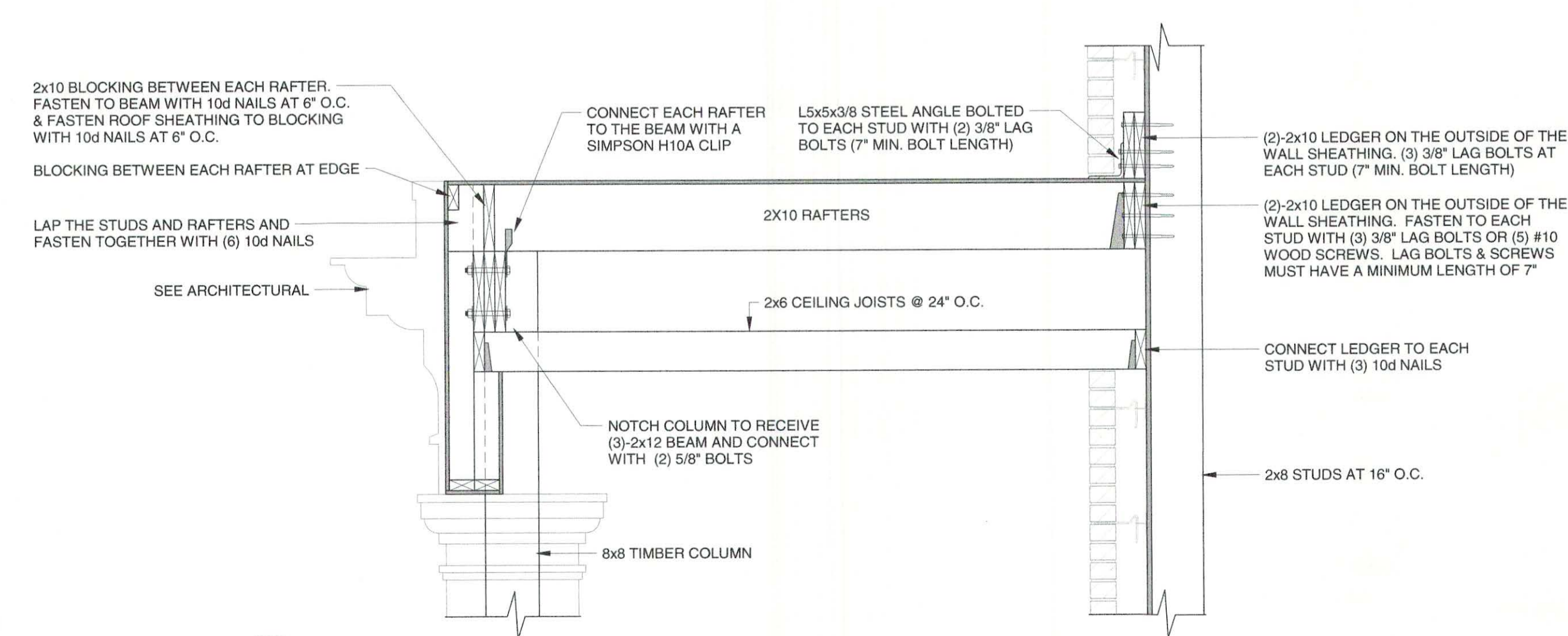
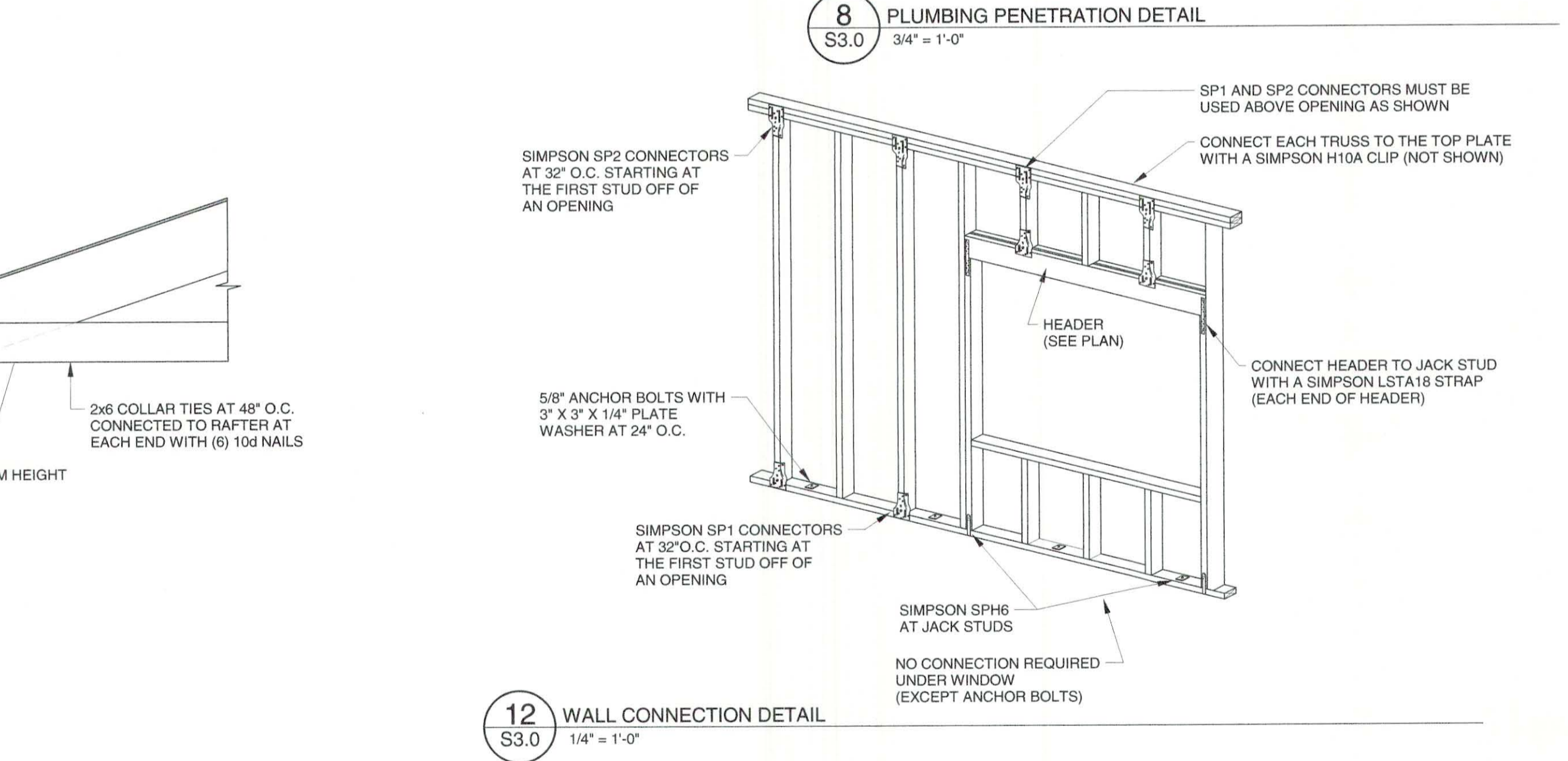
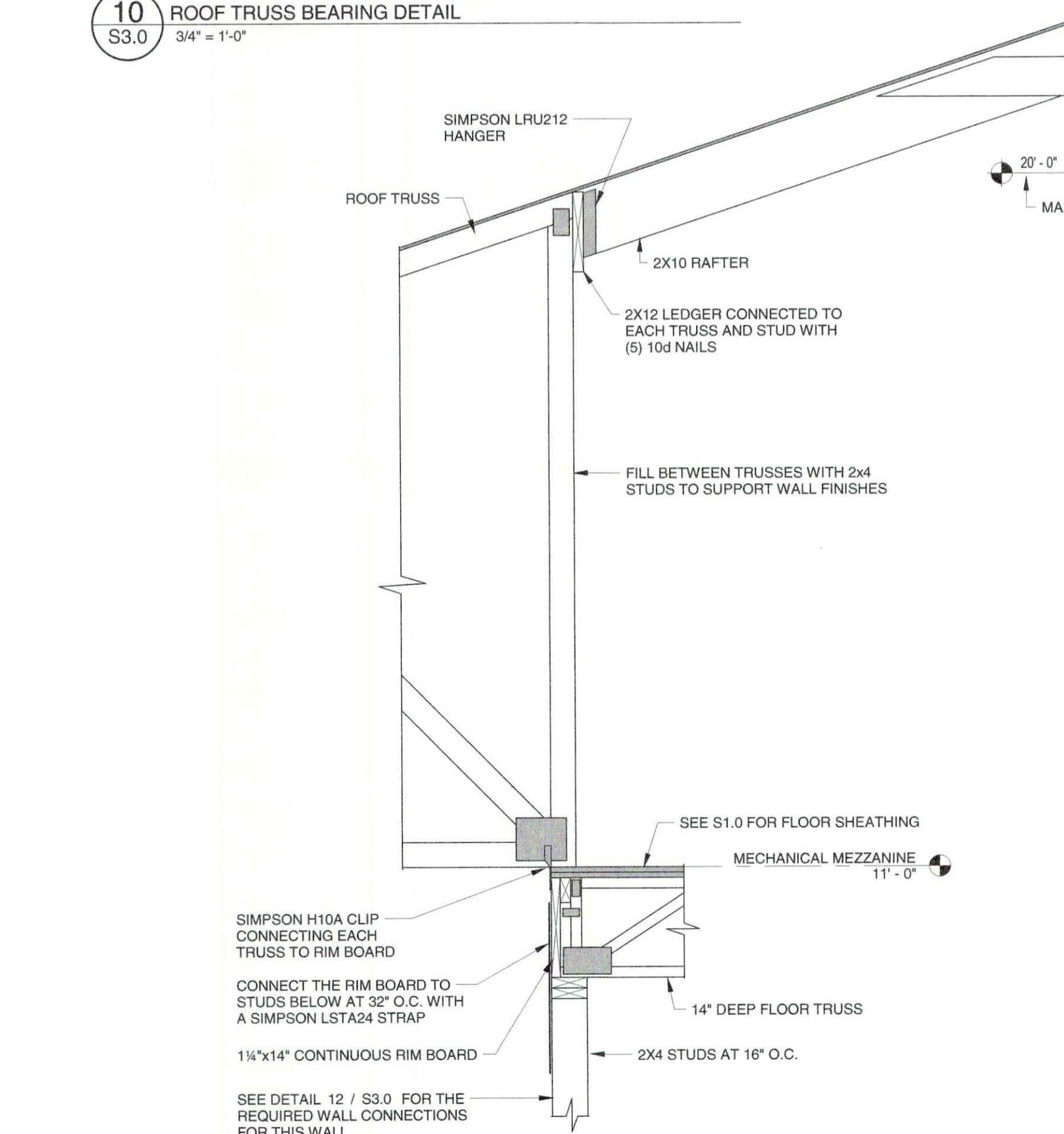
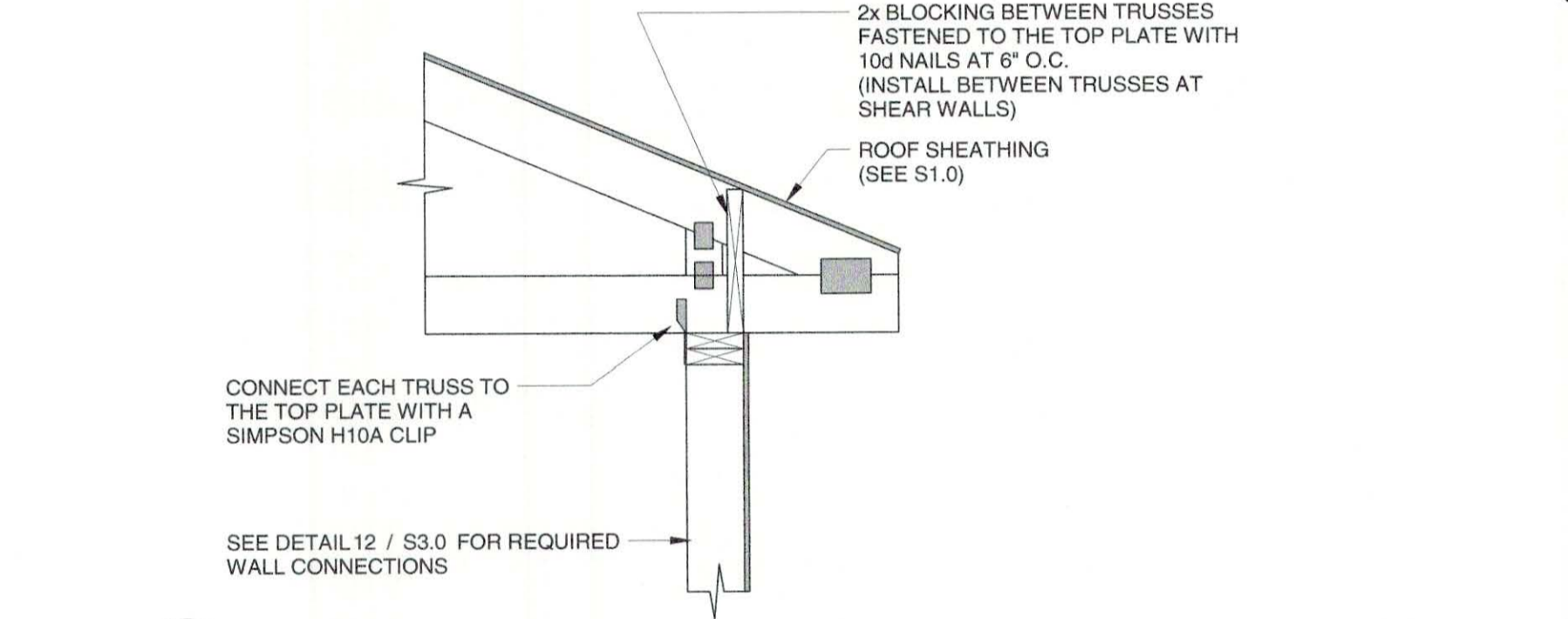
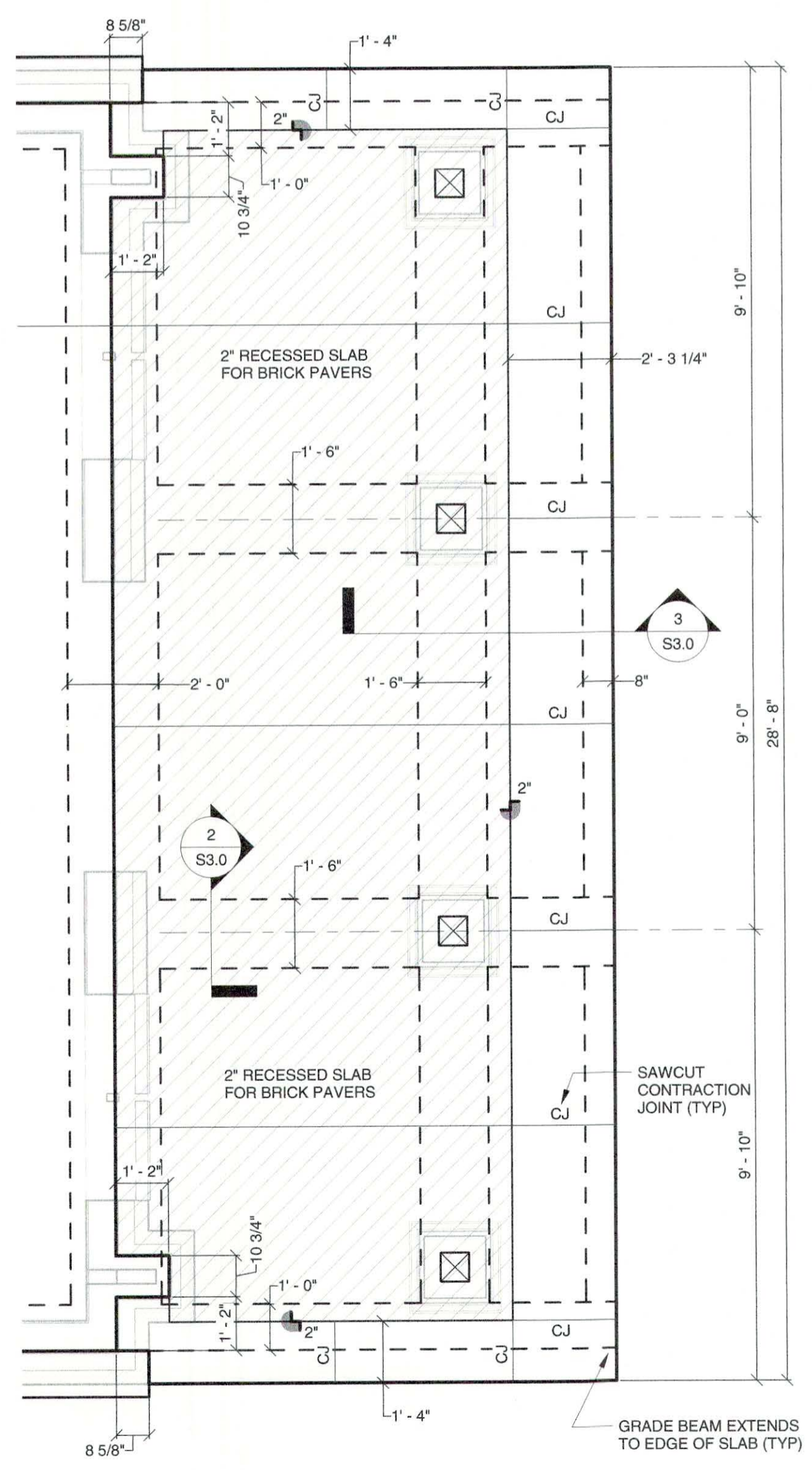
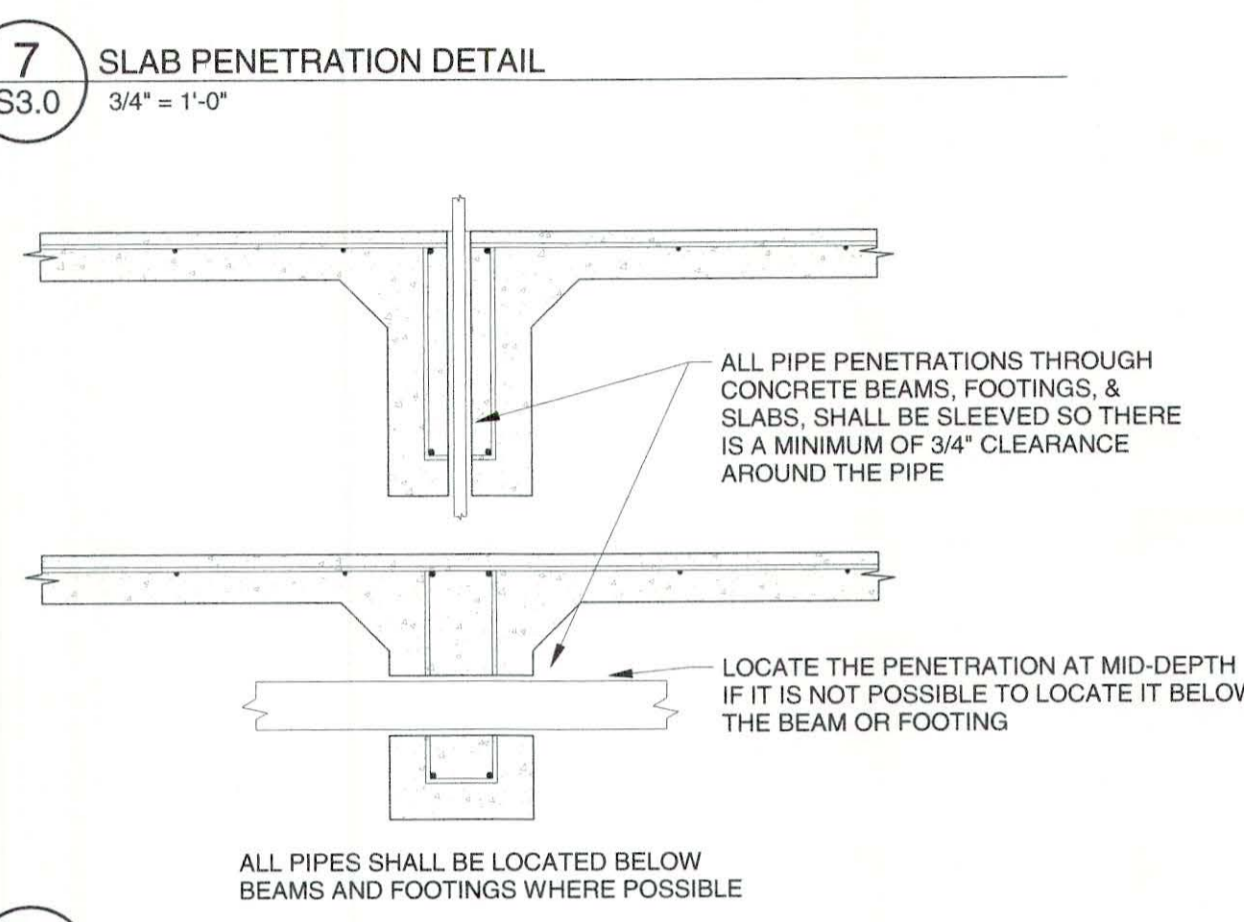
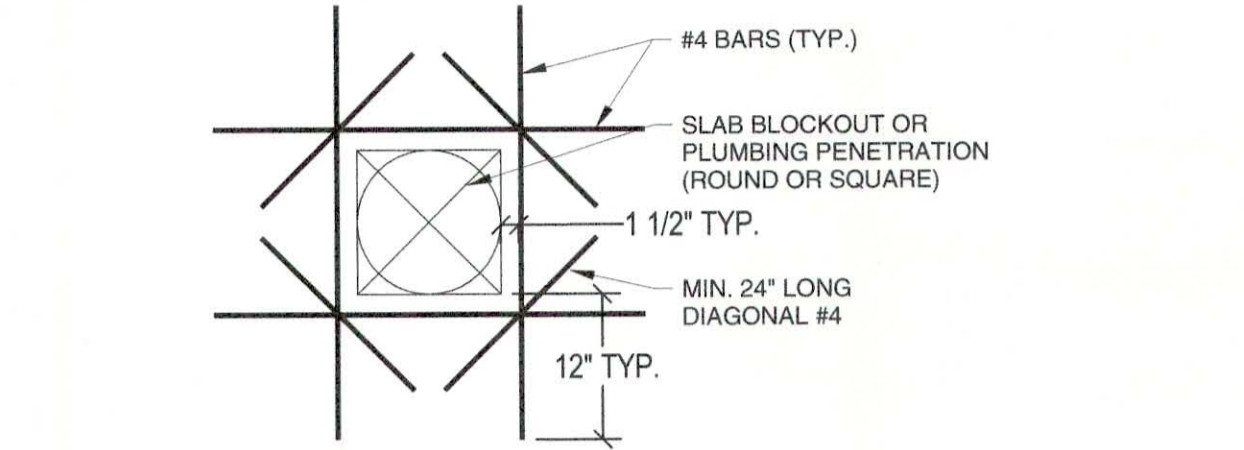
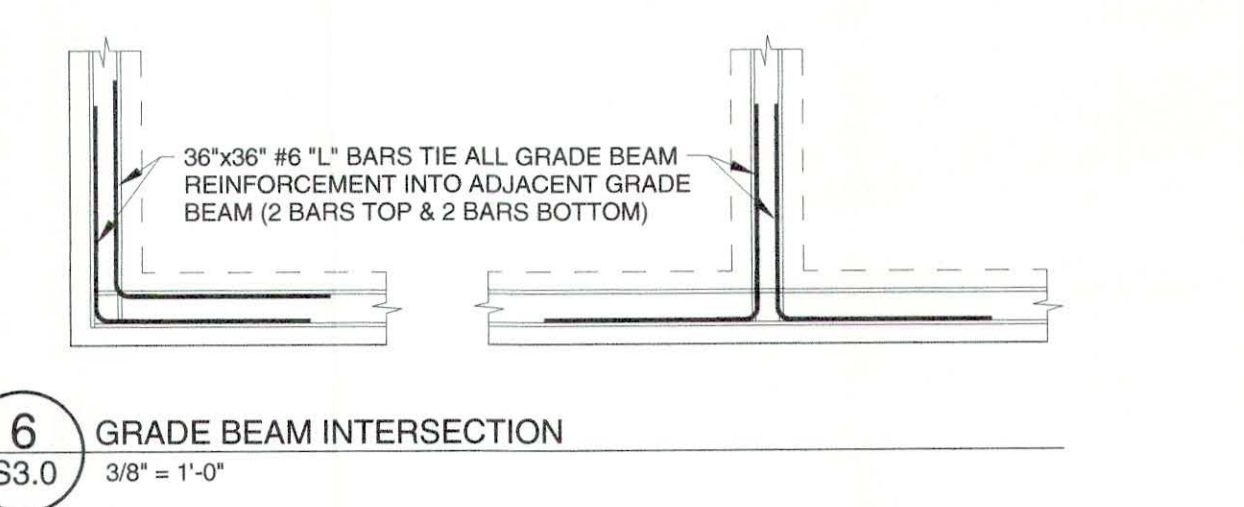
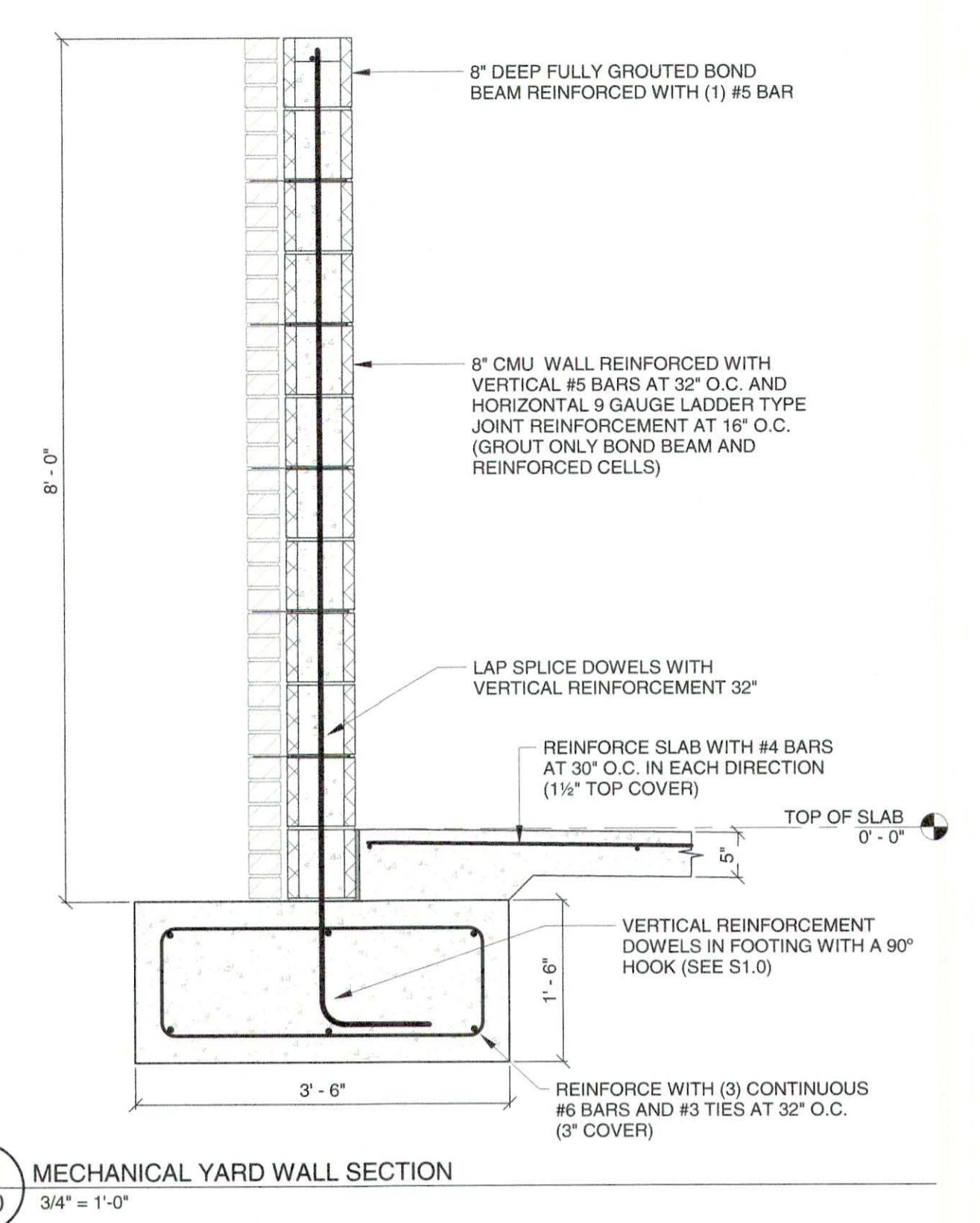
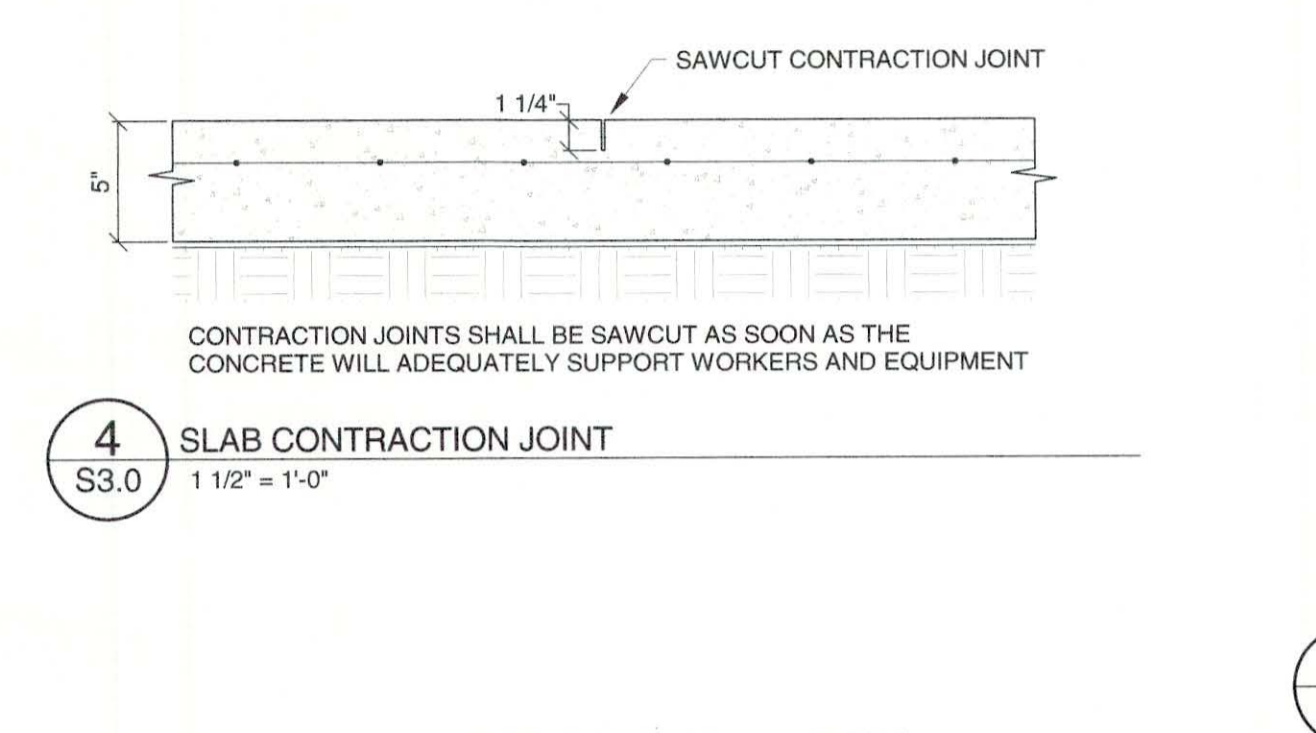
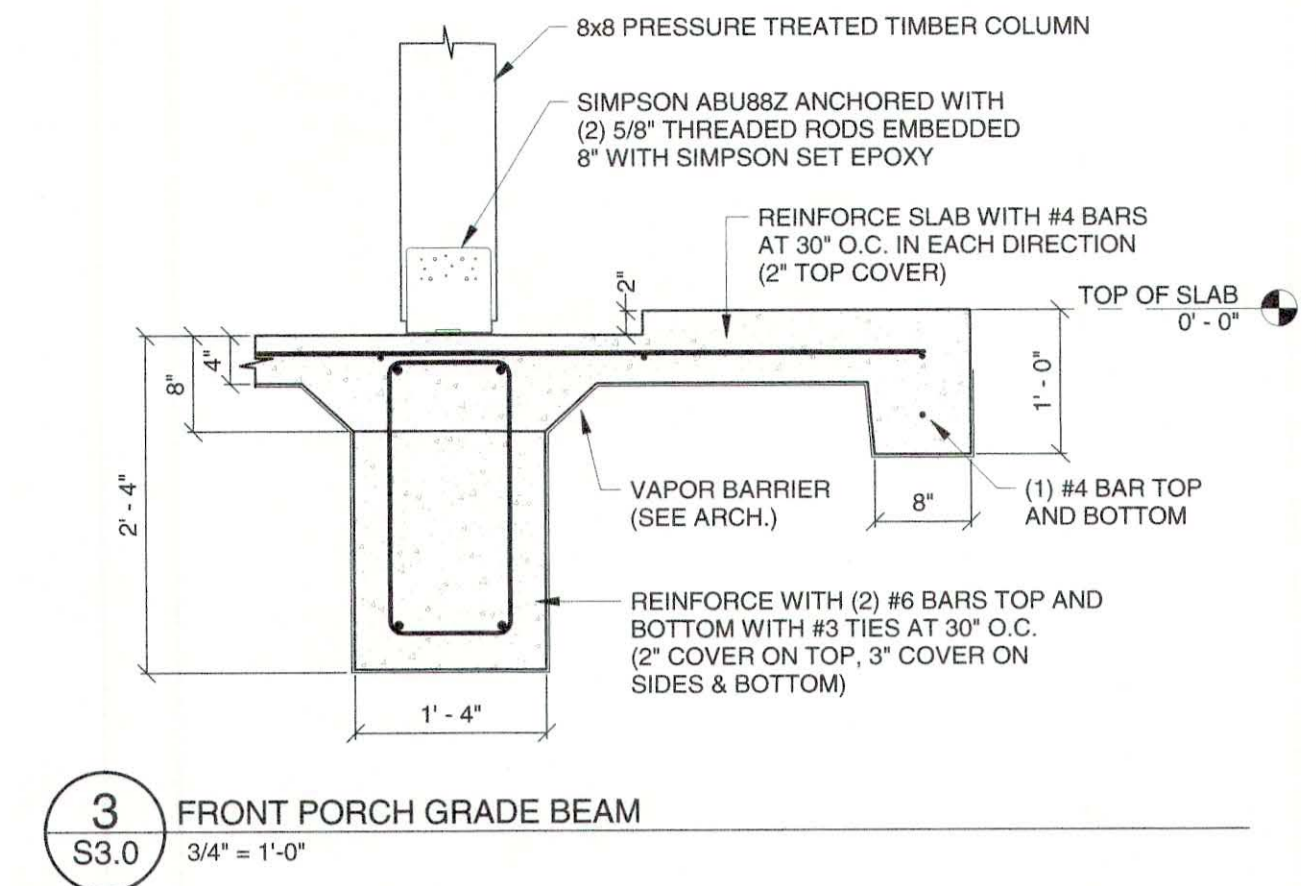
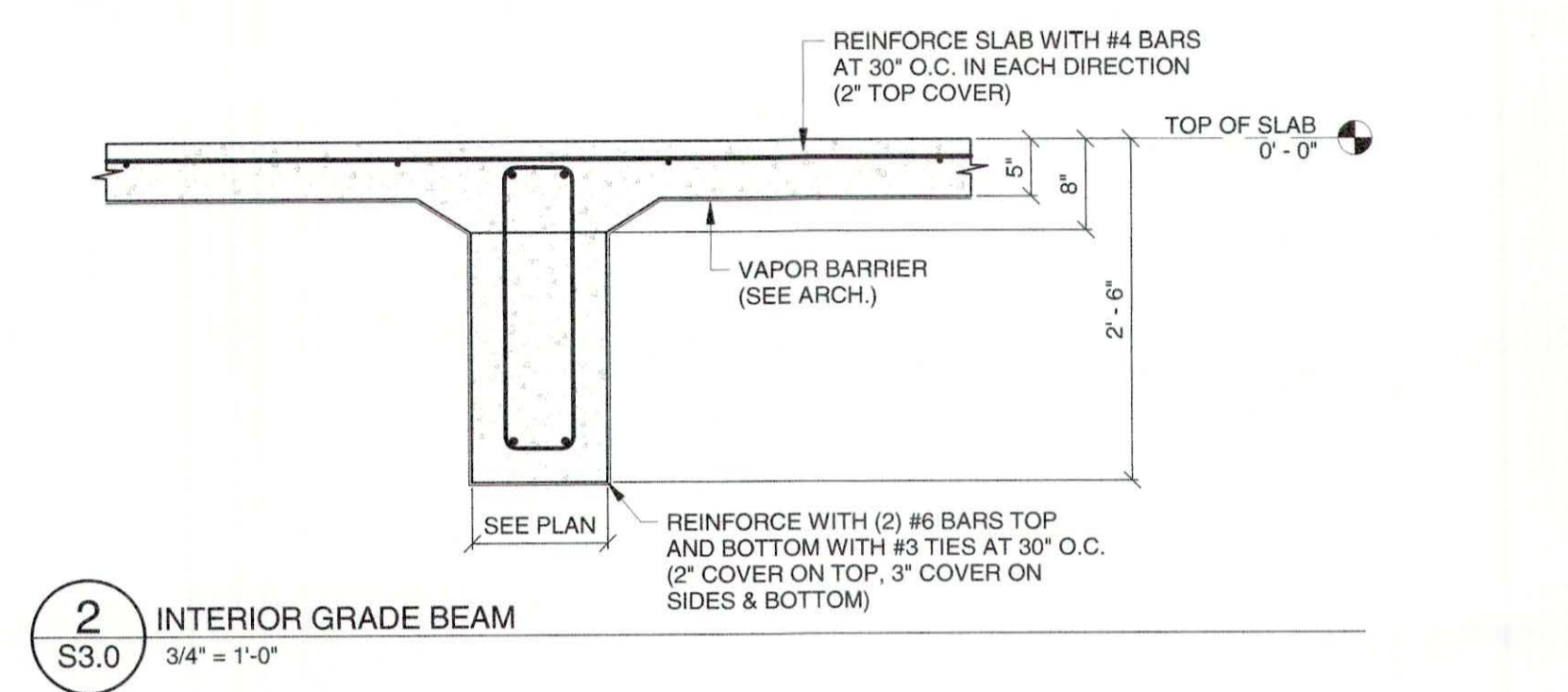
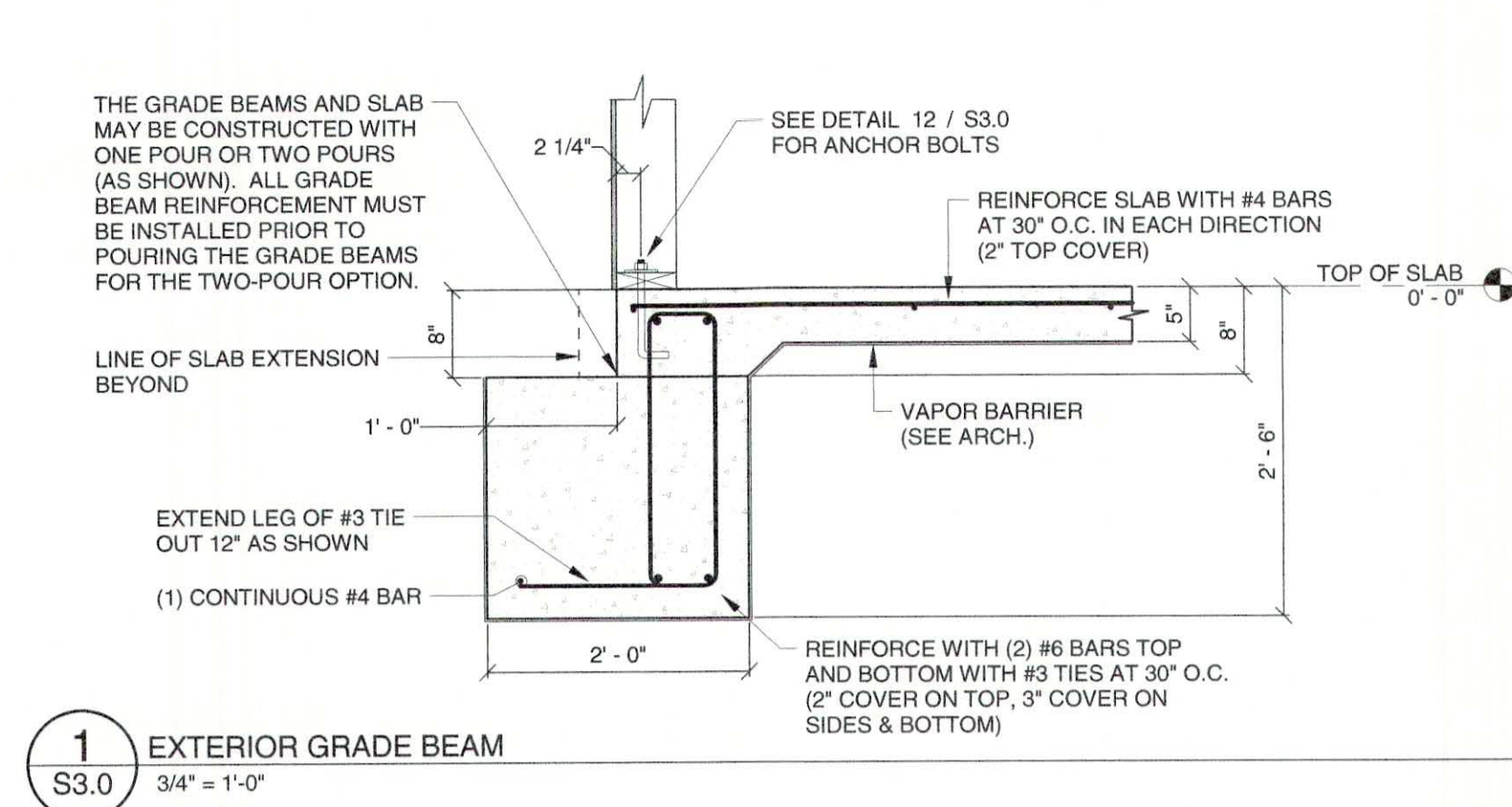
3/16" = 1'-0"



SEPTEMBER 29, 2017  
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**S2.3**  
ROOF FRAMING PLAN



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CONSTRUCTION DOCUMENTS  
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REVISIONS		
NO.	DESCRIPTION	DATE

**SPECIFIC HVAC NOTES**

- CONTRACTOR SHALL EXTEND SUPPLY AIR TRUNK DUCT MINIMUM 24" BEYOND LAST BRANCH DUCT TAKEOFF.
- INLINE FAN MOUNTED ABOVE CEILING. SEE DETAIL FOR CLARITY.
- CEILING MOUNTED EXHAUST FAN. SEE DETAIL FOR CLARITY.
- TYPICAL DUCTWORK ROUTED UP/DOWN TO FLOOR ABOVE/BELOW. SIZE AS INDICATED ON PLANS. PROVIDE BOXOUTS IN FLOOR SLABS OF ADEQUATE SIZE TO ACCOMMODATE DUCTWORK INSULATION REQUIREMENTS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR.
- EXHAUST AIR DUCT ROUTED UP THROUGH ROOF TO RELIEF CAP. SEE SCHEDULE AND DETAIL FOR MORE INFORMATION.
- TYPICAL OUTSIDE AIR INTAKE DUCT ROUTED FROM ROOF INTAKE HOOD TO HVAC EQUIPMENT AS INDICATED.
- TWO (2) EACH VENTILATION LOUVERS (SIZE AS INDICATED) EQUAL TO GREENHECK MODEL ESD-403 WITH FULL SIZE SLEEVE THRU WALL PROVIDE WITH SCREEN AND KYNAR FINISH. MOUNT ONE LOUVER WITH BOTTOM AT +12" A.F.F. AND ONE WITH BOTTOM OF LOUVER AT +8'-0" A.F.F. VERIFY COLOR AND LOCATION WITH ARCHITECT.
- ROLL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO AVOID CONFLICT.

**SPECIFIC HVAC NOTES**

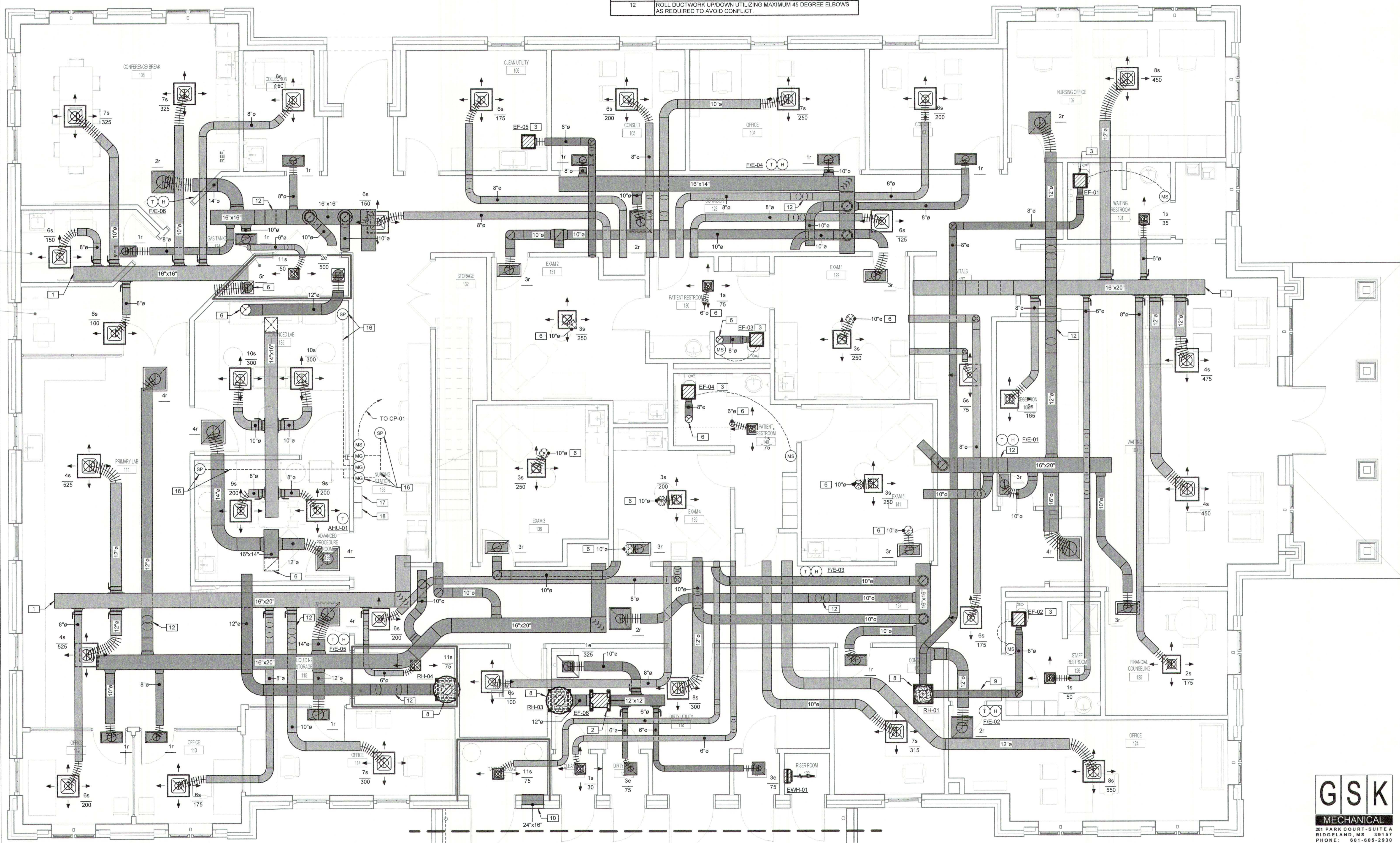
- INSTALL MAGNEHELIC GAUGES (0-0.25"W.C.) AS INDICATED ON WALL IN CORRIDOR. INSTALL IN DOOR OF CONTROL PANEL ENCLOSURE FOR NEAT APPEARANCE AND TO ALLOW ACCESS TO SAMPLING TUBE CONNECTIONS. THREE (3) REQUIRED. COORDINATE LOCATION WITH OTHER WALL INSTALLATION THIS AREA. ADVANCED LAB 135 IS POSITIVE WITH RESPECT TO ALL ADJACENT ROOMS. ADVANCED PROCEDURE IS NEGATIVE WITH RESPECT TO ADVANCED LAB BUT POSITIVE WITH RESPECT TO CORRIDOR. INSTALL SAMPLING PORTS IN CEILING AND CONNECT TO BOTH HIGH AND LOW PRESSURE PORTS WITH INTERCONNECTING TUBING. CONCEAL TUBING IN WALL AT MAGNEHELIC GAUGES.
- INSTALL HVAC ALARM ANNUCINATION PANEL/LIGHT FOR AHU-01 ON WALL. COORDINATE LOCATION WITH OTHER WALL INSTALLATION THIS AREA.
- INSTALL FILTER HOUSING UV LAMP ALARM/MONITORING PANEL ON WALL. COORDINATE LOCATION WITH OTHER WALL INSTALLATION THIS AREA.

**CODE REVIEW**

DESIGN CODE	2012 INTERNATIONAL CODE COUNCIL (ICC)
VENTILATION CODE	ASHRAE STANDARD 62 AND 170 - 2013 EDITION
FIRE SPRINKLER	NFPA 13 - 2013

**DRAWING INDEX - HVAC**

Sheet Number	Sheet Name
M1.0	FIRST LEVEL HVAC PLAN
M1.1	MEZZANINE LEVEL HVAC PLAN
M2.0	MECHANICAL ISOMETRIC AND SECTIONS
M3.0	MECHANICAL SCHEDULES
M4.0	MECHANICAL NOTES, LEGEND, AND DETAILS
M4.1	MECHANICAL DETAILS



**FIRST LEVEL HVAC PLAN**  
1/4" = 1'-0"



SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

**REVISIONS**

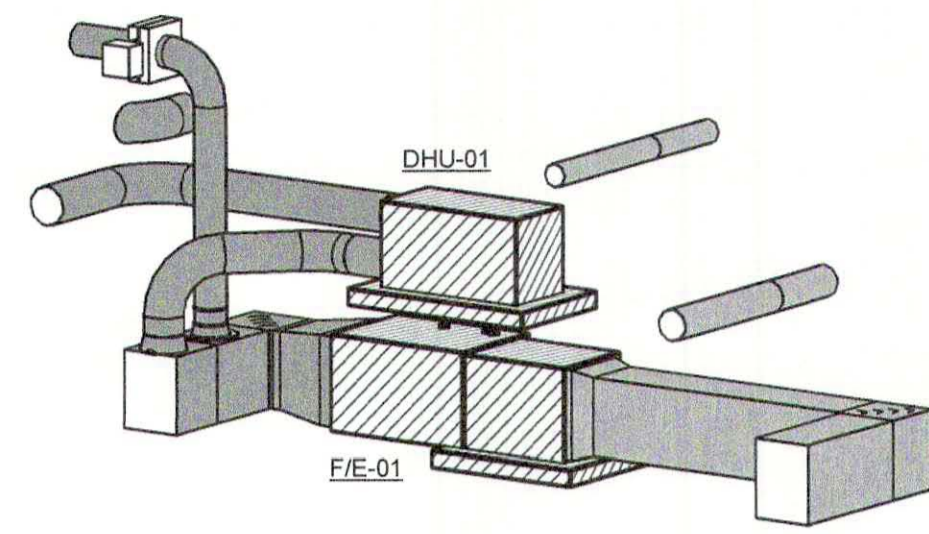
NO.	DESCRIPTION	DATE

**GSK**  
MECHANICAL  
301 PARK COURT SUITE A  
RIDGELAND, MS 39157  
PHONE: 601-608-2930  
FAX: 1-844-492-3111  
www.gskmech.com  
GSK# 116-002

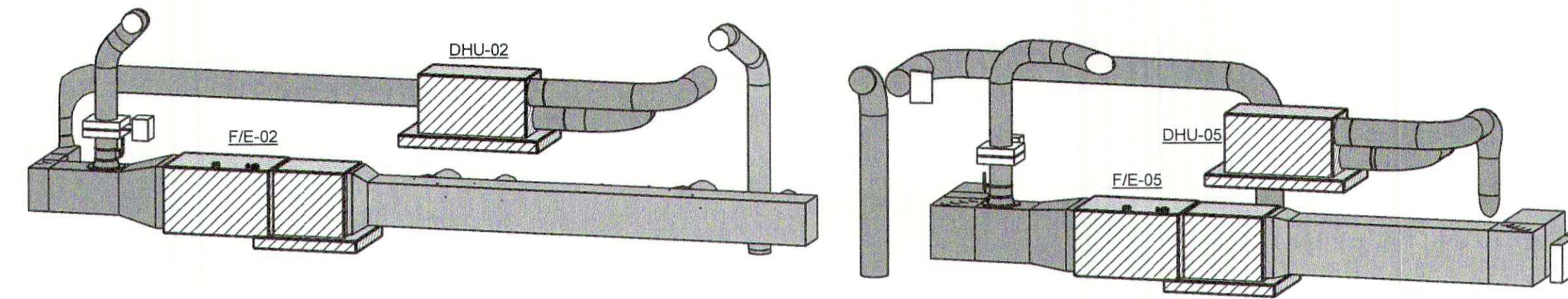
**M1.0**  
FIRST LEVEL HVAC PLAN



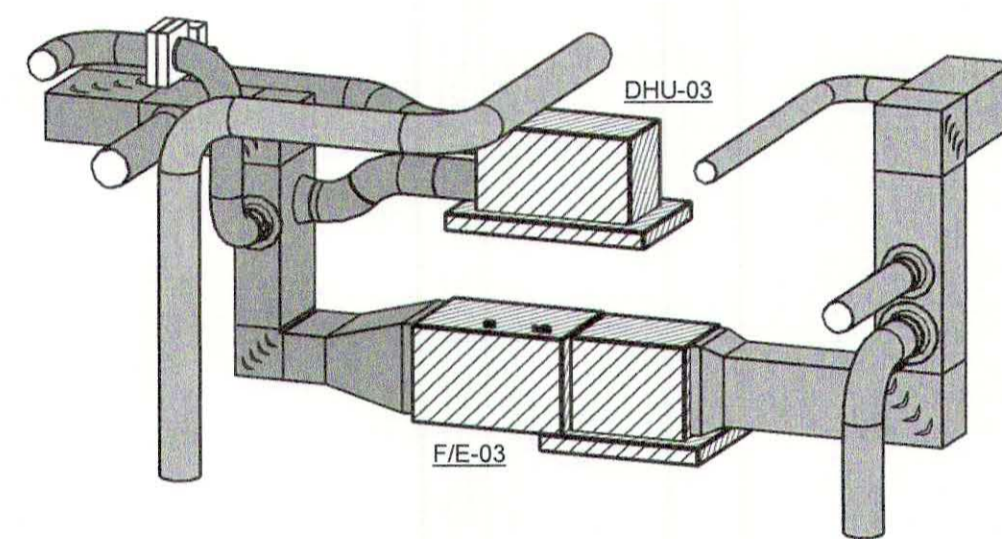




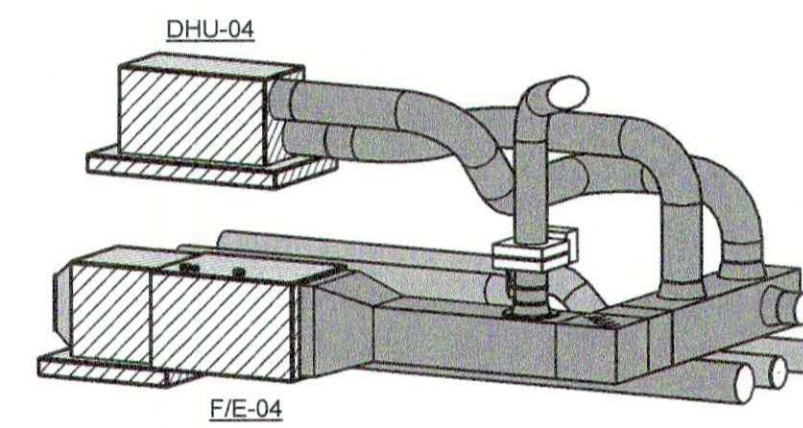
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M2.0 **3D View at F/E-01**



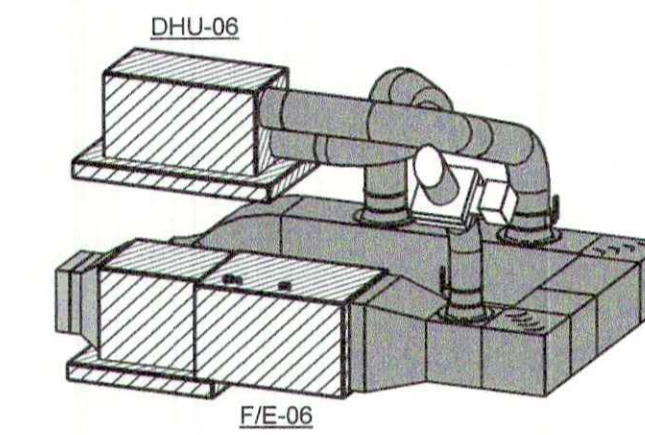
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M2.0 **3D View at F/E-02-05**



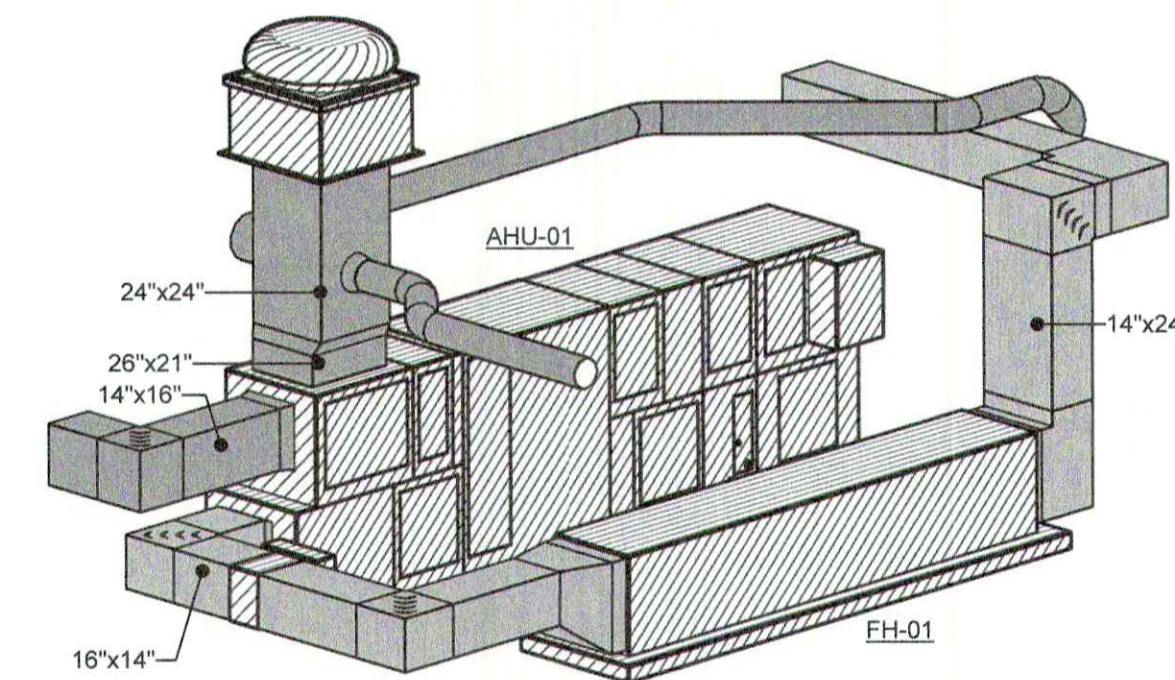
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M2.0 **3D View at F/E-03**



4  
M2.0 **3D View at F/E-04**



5  
M2.0 **3D View at F/E-06**



6  
M2.0 **3D View at FH-01 and AHU-01**



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NO.	DESCRIPTION	DATE

MARK	TOTAL DESIGN CFM	EXT. IN. W.G.	OUTSIDE AIR C.F.M.			FAN DATA			ELECTRICAL DATA											COOLING CAPACITY			DESICCANT WHEEL PERFORMANCE			PRE-FILTERS				FINAL FILTERS				BASIS OF DESIGN									
			OCUPPIED	UNOCUPPIED	MIN.	FAN QTY.	DRIVE TYPE	FAN HP	ELECTRICAL SERVICE	DESICCANT WHEEL SERVICE	UVC EMITTER SERVICE	TOTAL MBH	SENS. MBH	E.A.T., °F D.B.	°F W.B.	L.A.T., °F D.B.	°F W.B.	MAX. A.P.D. IN. W.G.	MAX. COIL F.V., F.P.M.	MIN. ROWS	MAX. FIN SPACING	REFRIGERANT TYPE	NUMBER OF CIRCUITS	E.A.T., °F DB	°F WB	L.A.T., °F DB	°F HR	MAX. A.P.D. IN. W.G.	FUNCTION	TYPE	DEPTH (INCHES)	MERV RATING	INITIAL A.P.D. (IN. W.G.)		D.F.A. (IN. W.G.)	MAX. F.V. (F7/FTMIN)	FUNCTION	TYPE	DEPTH (INCHES)	MERV RATING	INITIAL A.P.D. (IN. W.G.)	D.F.A. (IN. W.G.)	MAX. F.V. (F7/FTMIN)
AHU-01	1,000	3.25	300	300	300	1	DIRECT	3	208V, 3ph	208V, 1ph	120V, 1ph	60.0	30.0	78.2	68.3	53.0	52.8	0.40	400	8	172	R-410A	2	83.0	72.0	58.6	48.0	1.5	PRE	DISP.	4	8	0.25	0.35	450	FINAL	DISP.	12	15	0.35	0.5	450	TRANE PERFORMANCE CLIMATE CHANGER WITH CDQ DESICCANT WHEEL

**GENERAL NOTES:**

- ALL RATINGS ARE AT SPECIFIED DESIGN DAY, CFM AND EXTERNAL STATIC PRESSURE CONDITIONS.
- SEE DETAILS AND SCHEMATICS FOR ADDITIONAL INFORMATION.
- SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
- SEE VARIABLE FREQUENCY DRIVE SCHEDULE FOR MORE INFORMATION.
- ALL ACCESS DOORS SHALL BE CONFIGURED TO BE HELD CLOSED AGAINST NORMAL OPERATING PRESSURES. (I.E. OPEN INWARD ON POSITIVE PRESSURE AND OUTWARD ON NEGATIVE PRESSURE).

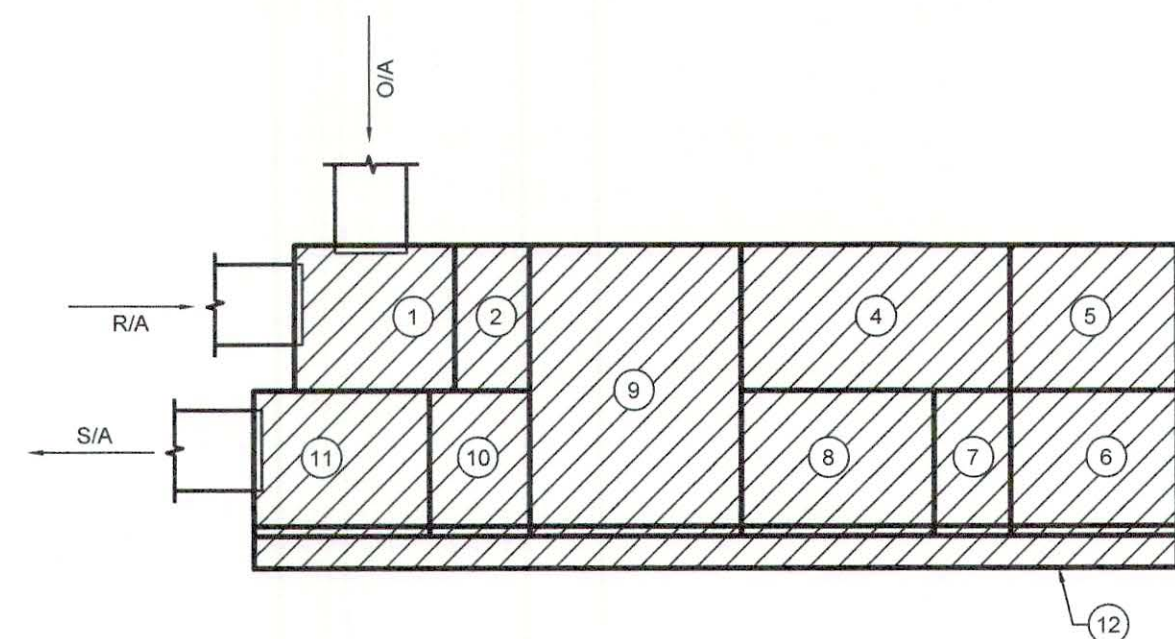
**FEATURES/ACCESSORIES:**

- PROVIDE PREMIUM EFFICIENCY MOTORS RATED FOR INVERTER DUTY.
- FOR UNITS WITH VARIABLE SPEED DRIVES, PROVIDE SUBMITTAL DATA FOR BOTH THE OPERATING AND DESIGN TOTAL STATIC PRESSURE. BELTS/PULLEYS TO BE PROVIDED BASED UPON DESIGN TOTAL STATIC PRESSURE.
- PROVIDE STAINLESS STEEL SLOPED DRAIN PANS FOR COOLING COILS.

**ROOF HOOD SCHEDULE**

MARK	NECK SIZE	MAX. A.P.D. IN. W.G.	CFM	BASIS OF DESIGN	FEATURES/ACCESSORIES [1]
RH-01	8"x8"	0.05	200	GREENHECK MODEL GRSR	1, 2
RH-02	12"x12"	0.05	400	GREENHECK MODEL GRSR	1, 2
RH-03	12"x12"	0.05	475	GREENHECK MODEL GRSR	1, 2
RH-04	12"x12"	0.05	500	GREENHECK MODEL GRSR	1, 2
IH-01	18"x18"	0.035	775	GREENHECK MODEL GRSI	1, 2
IH-02	24"x24"	0.035	1,200	GREENHECK MODEL GRSI	1, 2

[1] FEATURES/ACCESSORIES:  
1. BIRDSCREEN  
2. PROVIDE FACTORY KYNAR FINISH (COLOR SELECTION BY ARCHITECT)



**AHU-01 SCHEMATIC**

**MODULE DESCRIPTION:**

- AIR MIXING/ACCESS SECTION WITH BACK RETURN AIR AND TOP OUTSIDE AIR OPENINGS. OUTSIDE AIR OPENING TO INCLUDE AIR FLOW MEASURING STATION
- PRE-FILTER SECTION
- COOLING COIL SECTION WITH UV LIGHTS
- ACCESS SECTION
- SUPPLY FAN SECTION
- TURNING SECTION
- COOLING COIL SECTION WITH UV LIGHTS
- ACCESS SECTION
- DESICCANT WHEEL SECTION WITH WHEEL BYPASS MOTORIZED DAMPERS
- FINAL FILTER SECTION
- DISCHARGE PLENUM WITH ACCESS
- RAIL SYSTEM

**AIR TERMINALS SCHEDULE**

MARK	TYPE	C.F.M. RANGE	NECK SIZE	FACE SIZE	DEFLECTION	V.D.*	FACTORY INSULATION**	BASIS OF DESIGN	NOTES
1s	GYP. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	25-100	6"Ø	12"x12"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
2s	GYP. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	75-225	8"Ø	20"x20"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
3s	GYP. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	200-375	10"Ø	20"x20"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
4s	GYP. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	350-550	12"Ø	24"x24"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
5s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	25-100	6"Ø	24"x24"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
6s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	75-225	8"Ø	24"x24"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
7s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	200-375	10"Ø	24"x24"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
8s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	350-550	12"Ø	24"x24"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1
9s	GYP. CEILING MOUNTED HIGH CAPACITY S/A DIFFUSER	175-250	8"Ø	24"x24"	2-WAY	NO	YES	PRICE M ODEL HCF	1
10s	GYP. CEILING MOUNTED HIGH CAPACITY S/A DIFFUSER	250-450	10"Ø	24"x24"	2-WAY	NO	YES	PRICE M ODEL HCF	1
11s	GYP. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER WITH CRD	25-100	6"Ø	12"x12"	AS INDIC.	NO	YES	PRICE M ODEL SPD	1, 3
1r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	0-600	22"x10"	24"x12"	0°	NO	NO	PRICE M ODEL 80	2
2r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	700-1600	22"x22"	24"x24"	0°	NO	NO	PRICE M ODEL 80	2
3r	GYP. CEILING MOUNTED CUBE CORE R/A GRILLE	0-600	22"x10"	24"x12"	0°	NO	NO	PRICE M ODEL 80	1, 2
4r	GYP. CEILING MOUNTED CUBE CORE R/A GRILLE	700-1600	22"x22"	24"x24"	0°	NO	NO	PRICE M ODEL 80	1, 2
5r	GYP. CEILING MOUNTED CUBE CORE R/A GRILLE WITH CRD	25-100	10"x10"	12"x12"	0°	NO	NO	PRICE M ODEL 80	1, 2, 3
1e	L.A.T. CEILING MOUNTED CUBE CORE E/A REGISTER	0-450	12"x12"	24"x24"	0°	YES	NO	PRICE M ODEL 80-D	2
2e	GYP. CEILING MOUNTED CUBE CORE E/A GRILLE WITH CRD	25-100	10"x10"	12"x12"	0°	NO	NO	PRICE M ODEL 80	1, 2, 3
3e	GYP. CEILING MOUNTED CUBE CORE E/A GRILLE	25-100	10"x10"	12"x12"	0°	YES	NO	PRICE M ODEL 80-D	1, 2

\* V.D. - VOLUME DAMPER (FACTORY ACCESSORY)  
\*\* AIR DISTRIBUTION DEVICES WHERE NOTED TO INCLUDE FACTORY INSULATION ON REAR OF DEVICE

**NOTES:**

- PROVIDE WITH PLASTER RING FOR LAY-IN MOUNTING INSTALLATION INTO GYP. CEILING.
- PROVIDE WITH SQUARE TO ROUND ADAPTER. SEE PLANS FOR ROUND DUCT SIZE.
- PROVIDE WITH UL LISTED CEILING RADIATION DAMPER AND INSULATION BLANKET FOR DIFFUSER BACKPAN. INSTALL PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET UL LISTING.

**COMPARABLE PRODUCTS:**  
PRICE, TITUS, METALAIR

**FAN SCHEDULE**

MARK	TYPE [1]	CONTROL SEQ. [2]	OPERATING CFM	S.P. IN. W.G.	R.P.M.	MAX. SONES	HP.	B.H.P.	WATTS	ELEC. SERVICE	DRIVE	BASIS OF DESIGN	NOTES [3]
EF-01	A	B	100	0.5	817	2.5	-	-	128	120V, 1ph	DIRECT	GREENHECK MODEL SP-B150	1, 2, 3, 4, 5, 7
EF-02	A	B	100	0.5	817	2.5	-	-	128	120V, 1ph	DIRECT	GREENHECK MODEL SP-B150	1, 2, 3, 4, 5, 7
EF-03	A	B	100	0.5	817	2.5	-	-	128	120V, 1ph	DIRECT	GREENHECK MODEL SP-B150	1, 2, 3, 4, 5, 7
EF-04	A	B	100	0.5	817	2.5	-	-	128	120V, 1ph	DIRECT	GREENHECK MODEL SP-B150	1, 2, 3, 4, 5, 7
EF-05	A	D	200	0.5	1054	3.8	-	-	135	120V, 1ph	DIRECT	GREENHECK MODEL SP-A390	1, 2, 3, 5, 7
EF-06	B	A	475	0.5	1383	10	1/4	0.13	-	120V, 1ph	DIRECT	GREENHECK MODEL SQ-99-VG	1, 2, 3, 5, 8
EF-07	B	C	500	0.5	1411	10	1/4	0.14	-	120V, 1ph	DIRECT	GREENHECK MODEL SQ-99-VG	1, 2, 3, 5, 8

[1] TYPE  
A. CEILING CABINET TYPE  
B. ABOVE CEILING INLINE TYPE

[3] NOTES: PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES

**MOTOR STARTER SCHEDULE**

SERVING	HP OF EACH LOAD	ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN	NOTES [1]
EF-05	135 watts	120V, 1ph	FRANKLIN CONTROLS MODEL BAS-1P	1, 2, 3
EF-06	1/4	120V, 1ph	FRANKLIN CONTROLS MODEL BAS-1P	1, 2, 3
EF-07	1/4	120V, 1ph	FRANKLIN CONTROLS MODEL BAS-1P	1, 2, 3

[1] NOTES  
1. COORDINATE CONTROL CONTACTOR REQUIREMENTS WITH ENERGY MANAGEMENT SYSTEM (EMS) TO ACHIEVE SPECIFIED SEQUENCE OF OPERATIONS.  
2. MOUNT STARTER WITHIN 10' OF EQUIPMENT SERVED. COORDINATE IN FIELD SPECIFIC LOCATION.  
3. COMBINATION MOTOR STARTER DISCONNECT.

**FILTER HOUSING SCHEDULE**

MARK	LOCATION	C.F.M.	SERVES	INT. S.P. (IN. W.G.)	BASIS OF DESIGN (NO SUBSTITUTIONS ALLOWED)	FEATURES/ACCESSORIES
FH-01	MECH. MEZZ.	1000	AHU-01	1.5	LIFEAIRE SYSTEMS M ODEL AIRE 1000	1, 2, 3

**FEATURES/ACCESSORIES:**

- INDOOR APPLICATION WITH TOP ACCESS TO UV LAMPS.
- SIDE ACCESS FILTER DOORS.
- UNIT MOUNTED ON MEZZANINE PLATFORM.

**DUCTLESS SPLIT SYSTEM (OUTDOOR SECTION) SCHEDULE**

MARK	COOLING CAPACITY				HEATING CAPACITY		MAXIMUM REFRIGERANT PIPE LENGTH (FT.)	ELECTRICAL SERVICE	BASIS OF DESIGN	MATCHED TO
	OUTDOOR D.B., °F	TOTAL MBHR	MIN. S.E.E.R.	TOT. REV. CYCLE, M.B.H.	HSPE	ENT. COND. D.B.				
DCU-01	95	17.1	15	18	8.2	98	208V, 1ph	DAIKIN M ODEL RXN18NMVJU	DSS-01	

\*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL TEMPERATURE

**NOTES:**

- REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
- PROVIDE LOW AMBIENT CONTROL CAPABILITY.
- ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER AND WARRANTY AS SPECIFIED.
- SEE SPECIFICATIONS FOR WARRANTY INFORMATION.
- PROVIDE WITH INVERTER DUTY OR VARIABLE SPEED COMPRESSOR.

**COMPARABLE PRODUCTS:**  
MITSUBISHI, DAIKIN, LG

**DUCTLESS SPLIT SYSTEM (INDOOR SECTION) SCHEDULE**

MARK	TYPE	TOTAL C.F.M.	HEATING CAPACITY			COOLING CAPACITY			ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ACCESSORIES	MATCHED TO
			INDOOR D.B., °F	OUTDOOR D.B., °F	TOT. REV. CYCLE, M.B.H.	ENT. COND. D.B.	D.B.	TOTAL MBHR				
DSS-01	WALL	700	70	47	18	80	67	17.1	208V, 1ph	1, 2	DCU-01	

\*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL  
**FEATURES/ACCESSORIES:**  
1. PROVIDE WITH HARD WIRED WALL MOUNTED THERMOSTAT.  
2. MANUFACTURER'S INTEGRAL HIGH/LIFT CONDENSATE PUMP.

**ELECTRIC DUCT HEATERS SCHEDULE**

MARK	DUCT SIZE	SYSTEM	CFM	MAX. A.P.D. IN. W.G.	E.A.T., °F	ELECTRICAL DATA			BASIS OF DESIGN	NOTES
						SERVICE	KW	NO. OF STAGES		
EDH-01	16"x14"	AHU-01	1,000	0.05	60.0	208V, 1ph	15	MOD. SCR	GREENHECK MODEL IDHC	1, 2, 3

**NOTES:**

- CONTRACTOR SHALL VERIFY DUCT SIZES WITH ACTUAL CONDITIONS.
- PROVIDE WITH MODULATING SCR CONTROL. SEE SPECIFICATION FOR CONTROL SEQUENCE.
- PROVIDE ALL UNITS WITH INTEGRAL CIRCUIT BREAKER/CONNECT SWITCH SEQUENCE PANEL, AIR PROVING SAFETY CONTROLS, INTERLOCK RELAY AND HIGH SAFETY CONTROLS SET AT 125°F. ADJUSTABLE.

**DEHUMIDIFIER UNIT SCHEDULE**

MARK	MATCHED SYSTEM	C.F.M.	PINTS/24 HRS. @ 80 DEG. F / 60%RH	ELECTRICAL DATA		BASIS OF DESIGN	NOTES
				SERVICE	AMPS		
DH-01	FIE-01	350	155	120V, 1ph	8	ULTRA-AIRE M ODEL XT155H	1, 2, 3, 4
DH-02	FIE-02	350	155	120V, 1ph	8	ULTRA-AIRE M ODEL XT155H	1, 2, 3, 4
DH-03	FIE-03	350	155	120V, 1ph	8	ULTRA-AIRE M ODEL XT155H	1, 2, 3, 4
DH-04	FIE-04	150	105	120V, 1ph	4.9	ULTRA-AIRE M ODEL XT105H	1, 2, 3, 4
DH-05	FIE-05	350	155	120V, 1ph	8	ULTRA-AIRE M ODEL XT155H	1, 2, 3, 4
DH-06	FIE-06	350	155	120V, 1ph	8	ULTRA-AIRE M ODEL XT155H	1, 2, 3, 4

**NOTES:**

- PROVIDE WITH HARD DRAIN CONNECTION AND 8' CORD WITH PLUG.
- PROVIDE WITH REPLACEABLE FILTERS (MERV 11).
- PROVIDE WITH BUILT-IN AUTOMATIC CONTROLS AND FACTORY DEHUMIDISTAT (FOR FIELD MOUNTING).
- PROVIDE WITH DUCT COLLARS FOR REMOTE MOUNTING INSTALLATION.

**CONDENSING UNIT SCHEDULE**

MARK	COOLING CAPACITY			ELECTRICAL			BASIS OF DESIGN	MATCHED TO
	OUTDOOR D.B., °F	TOTAL MBHR	MIN. S.E.E.R.	SERVICE	MCA	MOCF		
CU-01	95	59	14.95	208V, 1ph	32	50	TRANE M ODEL 4TRR6061	FIE-01
CU-02	95	46	14.95	208V, 1ph	26	40	TRANE M ODEL 4TRR6049	FIE-02
CU-03	95	59	14.95	208V, 1ph	32	50	TRANE M ODEL 4TRR6061	FIE-03
CU-04	95	35	14.95	208V, 1ph	18	30	TRANE M ODEL 4TRR6036	FIE-04
CU-05	95	59	14.95	208V, 1ph	32	50	TRANE M ODEL 4TRR6061	FIE-05
CU-06	95	46	14.95	208V, 1ph	26	40	TRANE M ODEL 4TRR6049	FIE-06
CU-07A	95	30	14.95	208V, 1ph	17	25	TRANE M ODEL 4TRR6030	AHU-01
CU-07B	95	30	14.95	208V, 1ph	17	25	TRANE M ODEL 4TRR6030	AHU-01

**NOTES:**

- ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER AND WARRANTY AS SPECIFIED.
- ALL UNITS SHALL BE PROVIDED WITH HEAVY DUTY FACTORY COIL GUARD. SEE MECHANICAL SPECIFICATIONS FOR CLARITY.
- REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
- PROVIDE LOW AMBIENT CONTROL CAPABILITY.

**COMPARABLE PRODUCTS:**  
LENNOX, TRANE, CARRIER, YORK, RUUD/REEM

**ELECTRIC WALL HEATER SCHEDULE**

MARK	C.F.M.	E.A.T., °F	MINIMUM B.T.U.H.	ELECTRICAL DATA			MANUFACTURER AND MODEL	NOTES
				SERVICE	HTG. ELEM. KW	HP		
BWH-01	225	50	10,200	208V, 1ph	3	1/8	MARKEL SERIES 3450	1, 2

**NOTES:**

- PROVIDE WITH INTEGRAL THERMOSTAT AND TAMPERPROOF THERMOSTAT COVER PLATE.
- HEATER TO BE SURFACE MOUNTED. MOUNT WHERE DIRECTED BY ARCHITECT.



SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

REVISIONS  
NO. DESCRIPTION DATE



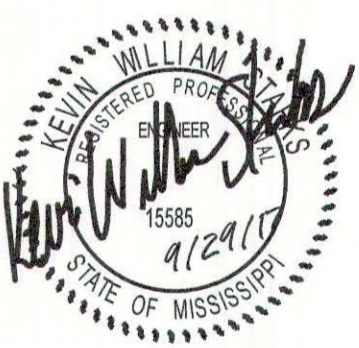
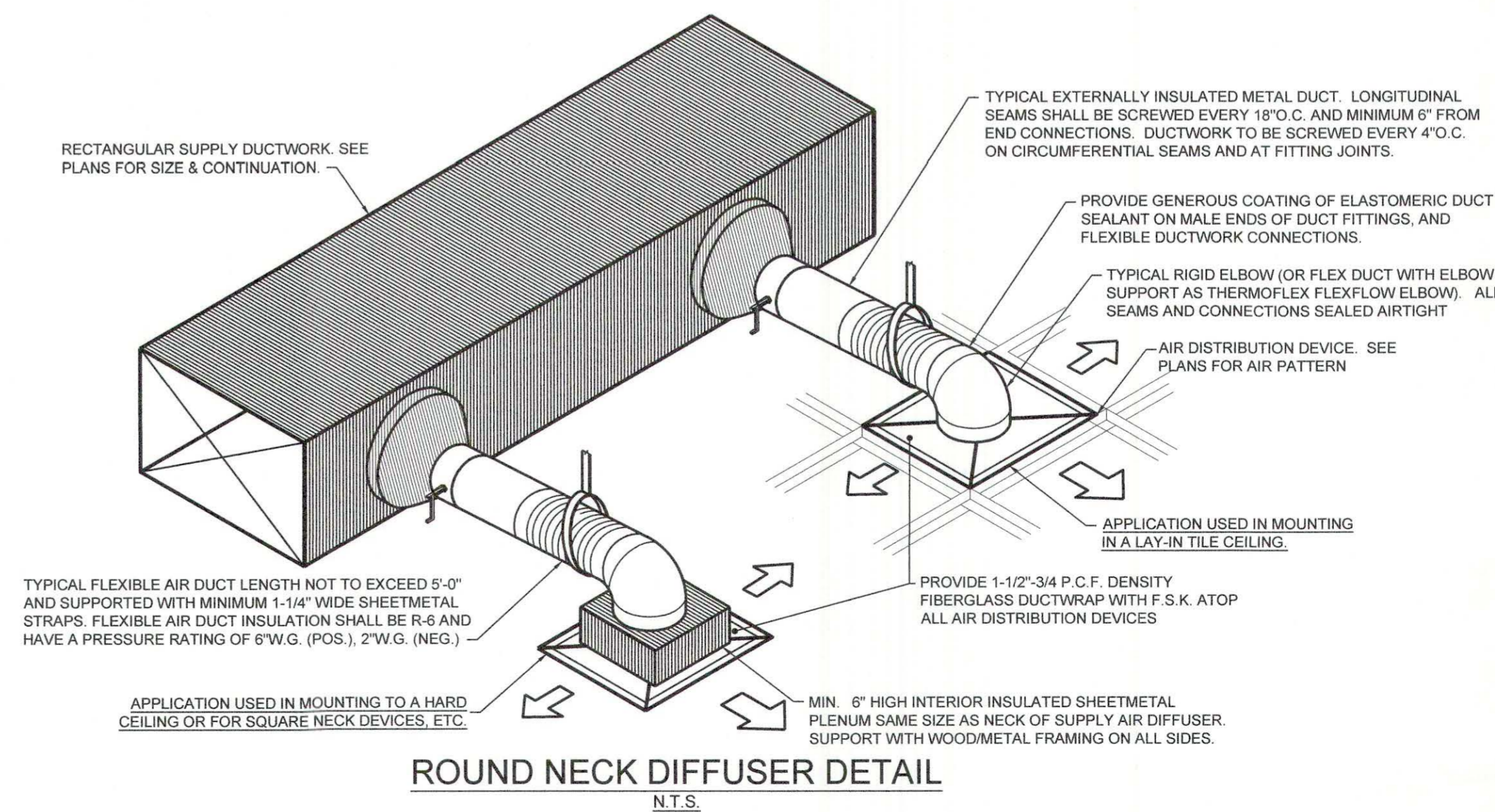
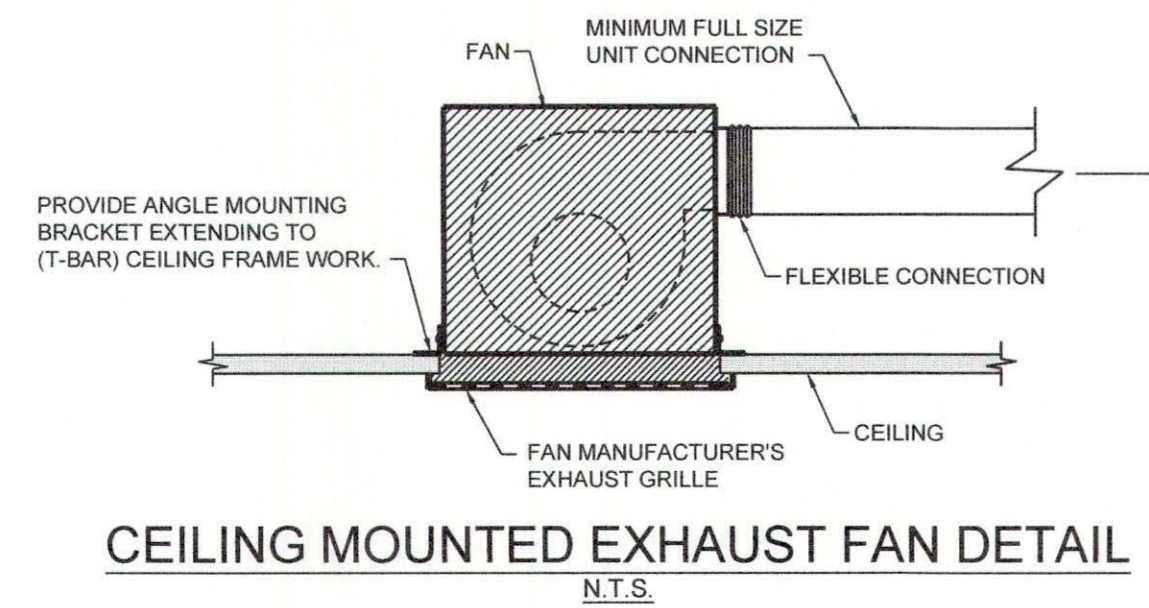
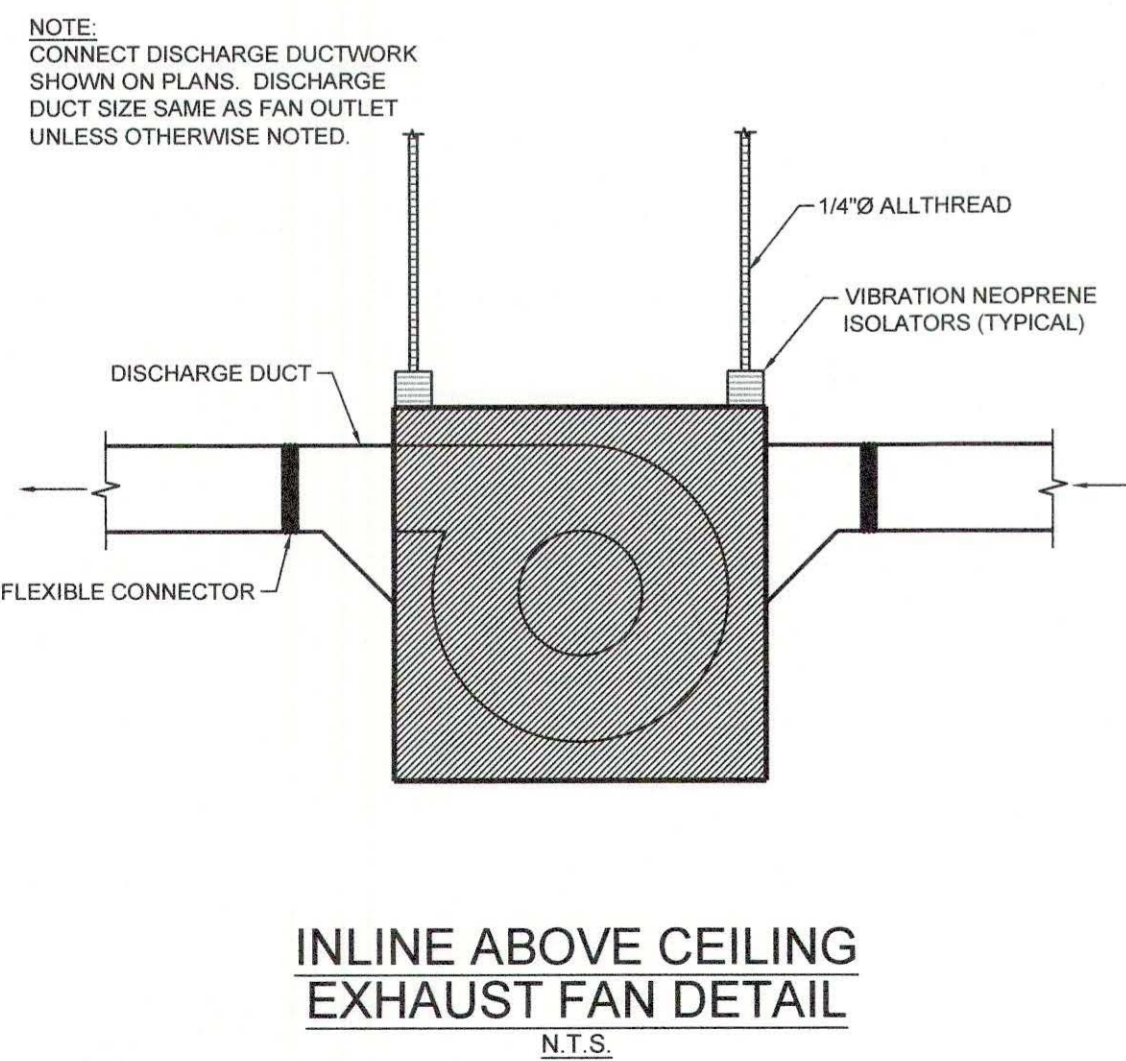
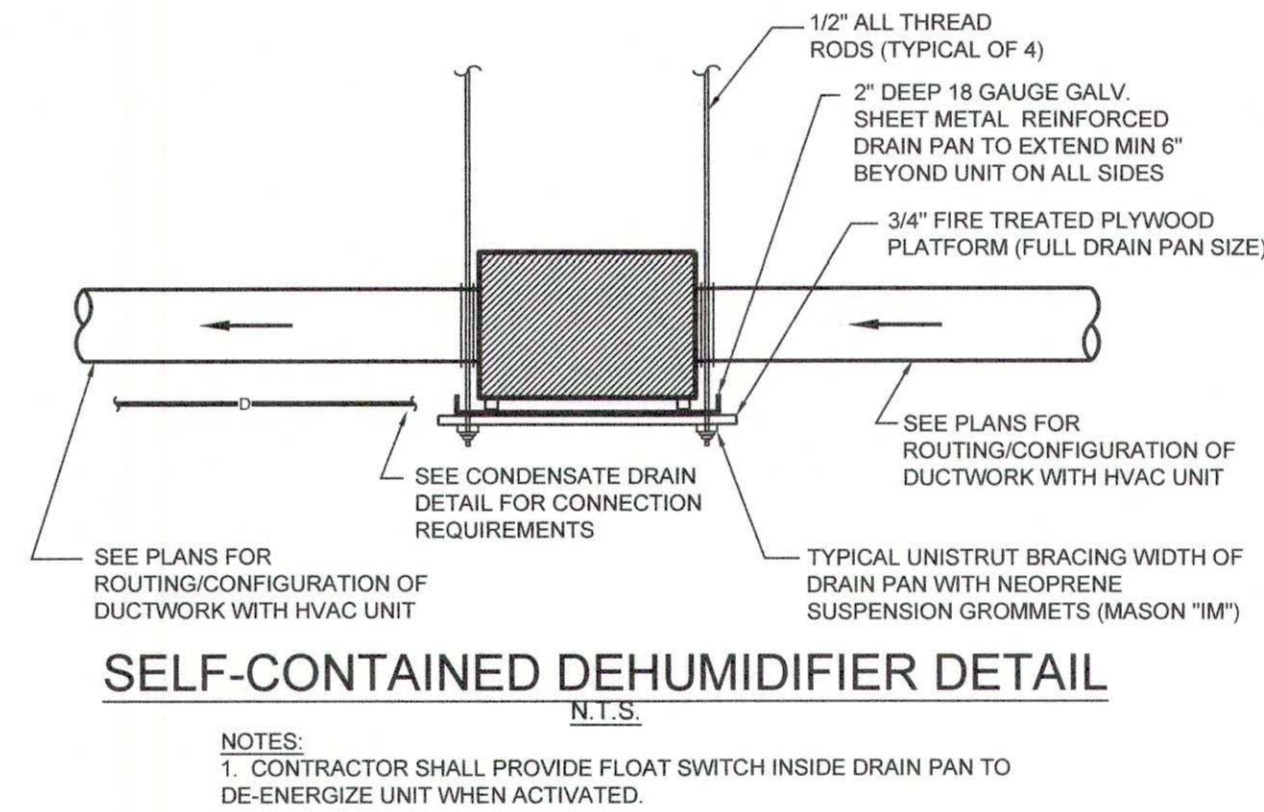
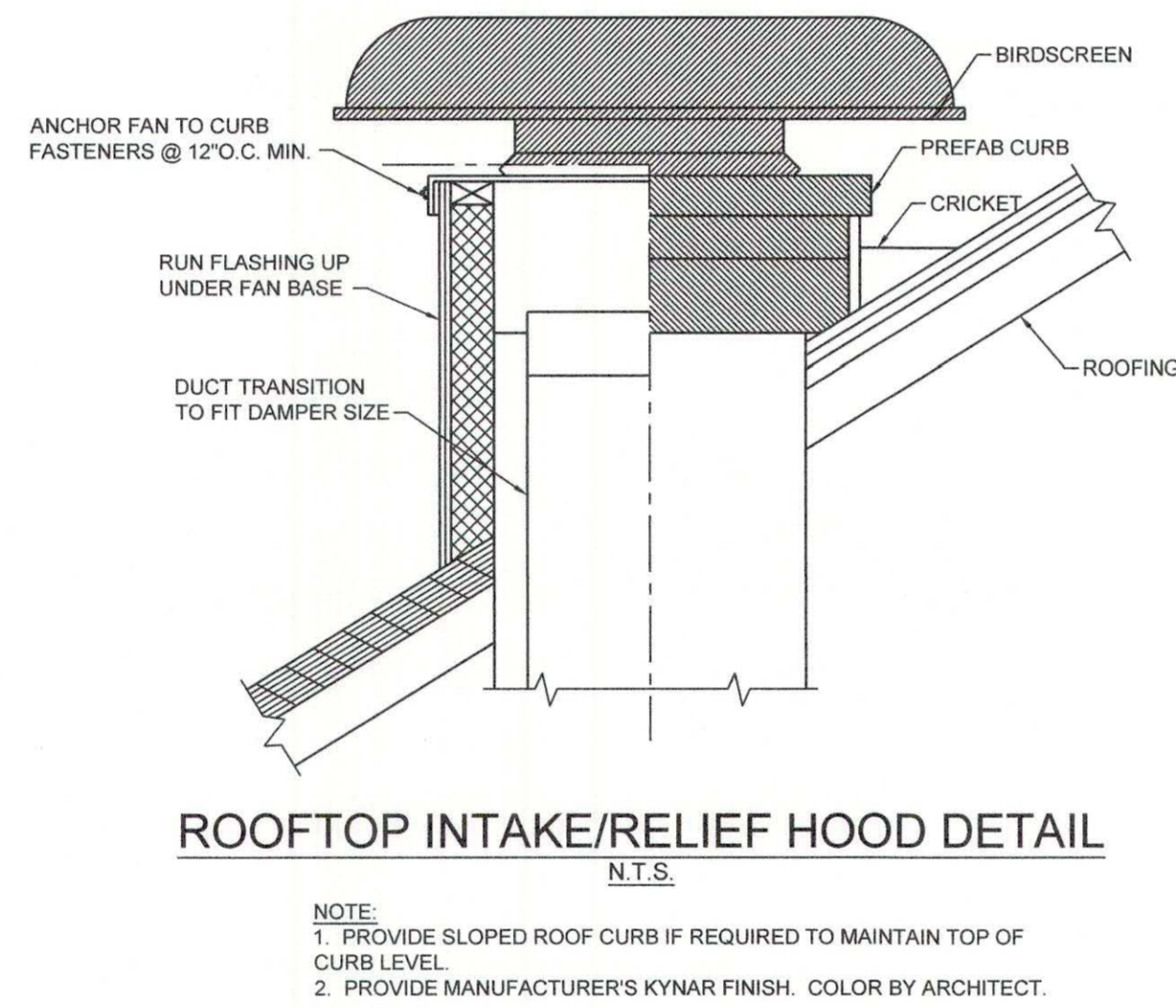
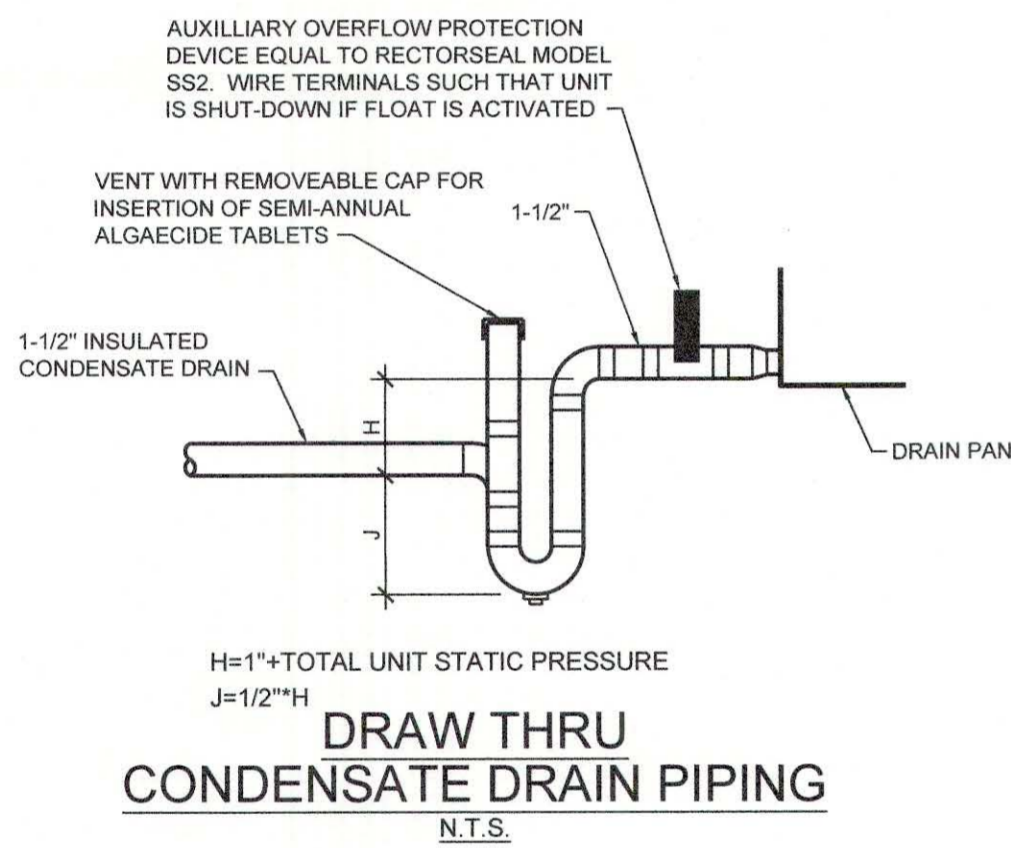
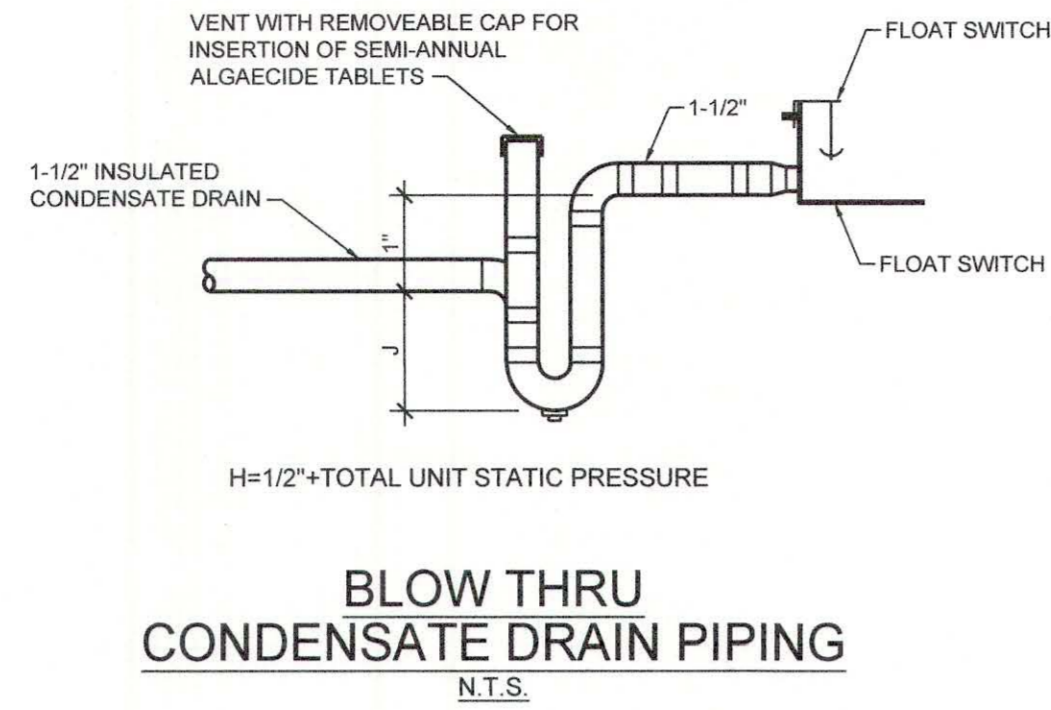
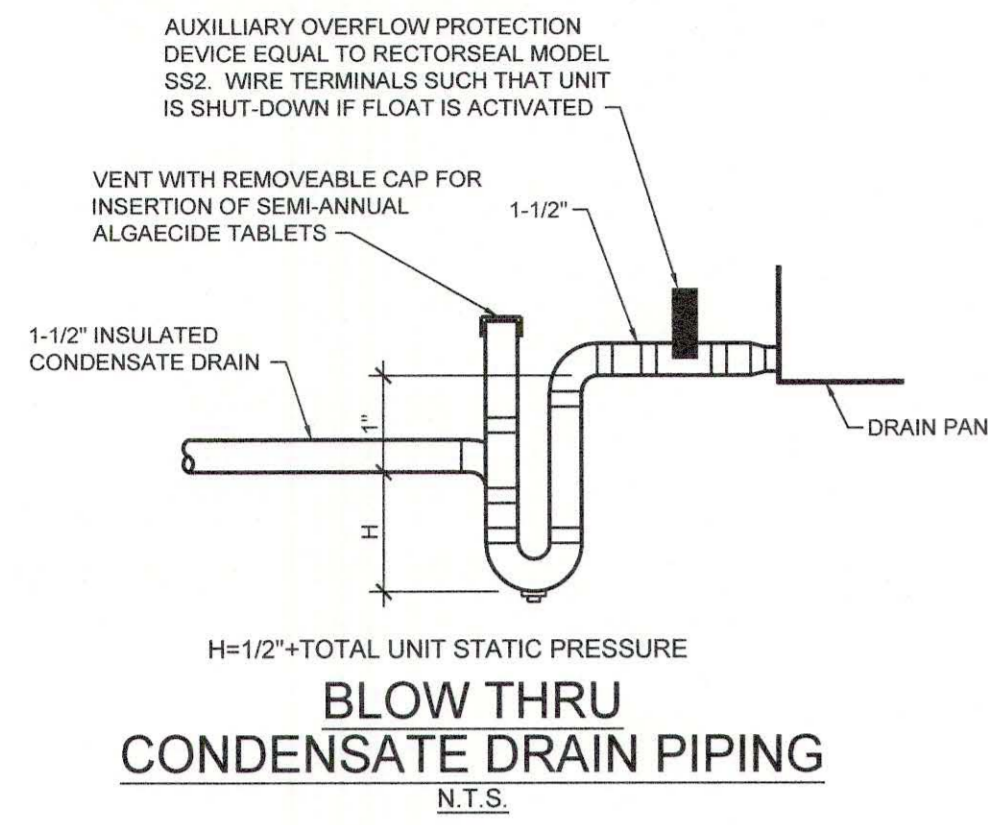
M3.0  
MECHANICAL SCHEDULES

**GENERAL HVAC NOTES:**

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE FURNISHED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.
- THE LOCATION OF ALL AIR DISTRIBUTION DEVICES TO BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATION OF DUCTWORK IN ALL AREAS TO MATCH CEILING GRID/LIGHT FIXTURES WHILE MAXIMIZING CEILING HEIGHT SCHEDULED ON ARCHITECTURAL PLANS.
- COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 25'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.
- SIDEWALL AND DRYWALL CONSTRUCTION AIR DISTRIBUTION DEVICES MOUNTINGS IN SAME ROOM SHALL BE UNIFORM AND SYMMETRICAL AS APPROVED BY ARCHITECT.
- IT IS ESSENTIAL THAT ALL EXTERIOR WALL DEVICES (FANS, CAPS, BRICK VENTS, ETC.) BE INSTALLED SYMMETRICALLY AND PER ARCHITECT'S PLANS. VERIFY INSTALLATION REQUIREMENTS WITH ARCHITECT IN ALL CASES.
- DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES, ETC.

**LEGEND - HVAC**

MARK	DESCRIPTION
	TYPICAL SUPPLY AIR DIFFUSER (SHADING/ARROWS INDICATES AIR FLOW THROW DIRECTION)
	TYPICAL EXHAUST OR RETURN AIR REGISTER
	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
	TYPICAL DUCTWORK INCREASER / REDUCER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER WITH VOLUME DAMPER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER
	TYPICAL RECTANGULAR TO RECTANGULAR TAKEOFF ADAPTER WITH VOLUME DAMPER AND EXTRACTOR
	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
	MOTORIZED DAMPER
	RECTANGULAR DUCT WITH SIZE LISTED. THE "X" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
	ROUND DUCT WITH SIZE LISTED. THE "Ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
	AUTOMATIC COOLING/HEATING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" A.F.F. BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVER
	HIGH HUMIDITY SENSOR MOUNTED AT 84" A.F.F. BEHIND WHITE "KENALL" TAMPER PROOF COVER
	MANUFACTURER'S AUTOMATIC CHANGEOVER THERMOSTAT MOUNTED AT 48" A.F.F.
	MANUFACTURER'S WALL MOUNTED PASSIVE INFRARED MOTION SENSOR MOUNTED ADJACENT TO LIGHT SWITCH
	CEILING MOUNTED AIR PRESSURE SAMPLING PORT
	WALL MOUNTED MAGNEHELIC GAUGE
	TYPICAL AIR FOIL TURNING VANES
	AUTOMATIC FIRE DAMPER WITH DUCT ACCESS DOOR
	S/A
	R/A
	E/A
	S.D.
	C.R.D.
	B.D.
	MD
	ISD
	B.D.D.
	1 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)



SEPTEMBER 29, 2017

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**M4.0**

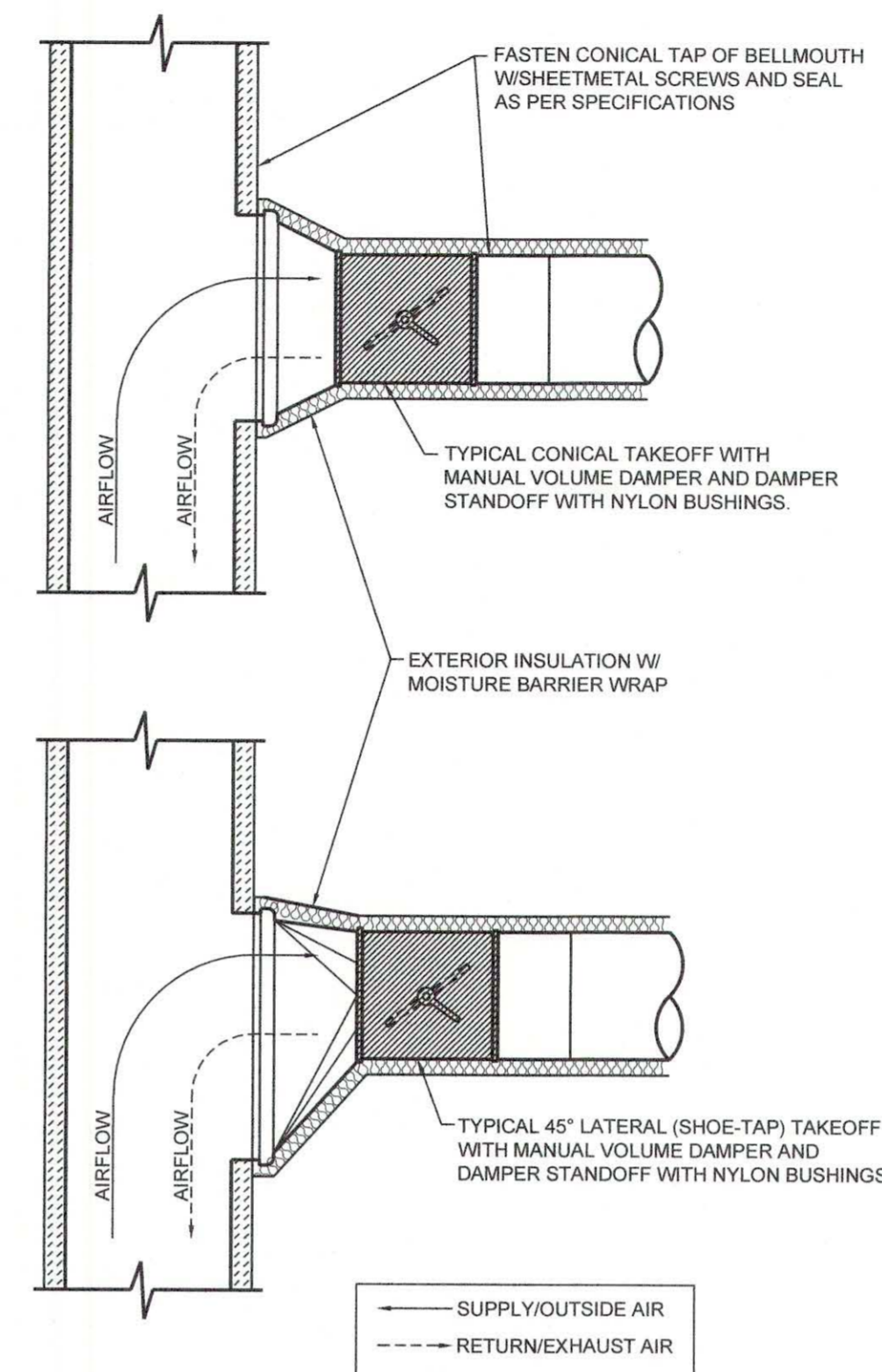
MECHANICAL NOTES,  
LEGEND, AND DETAILS

GSK# 116-002

**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17

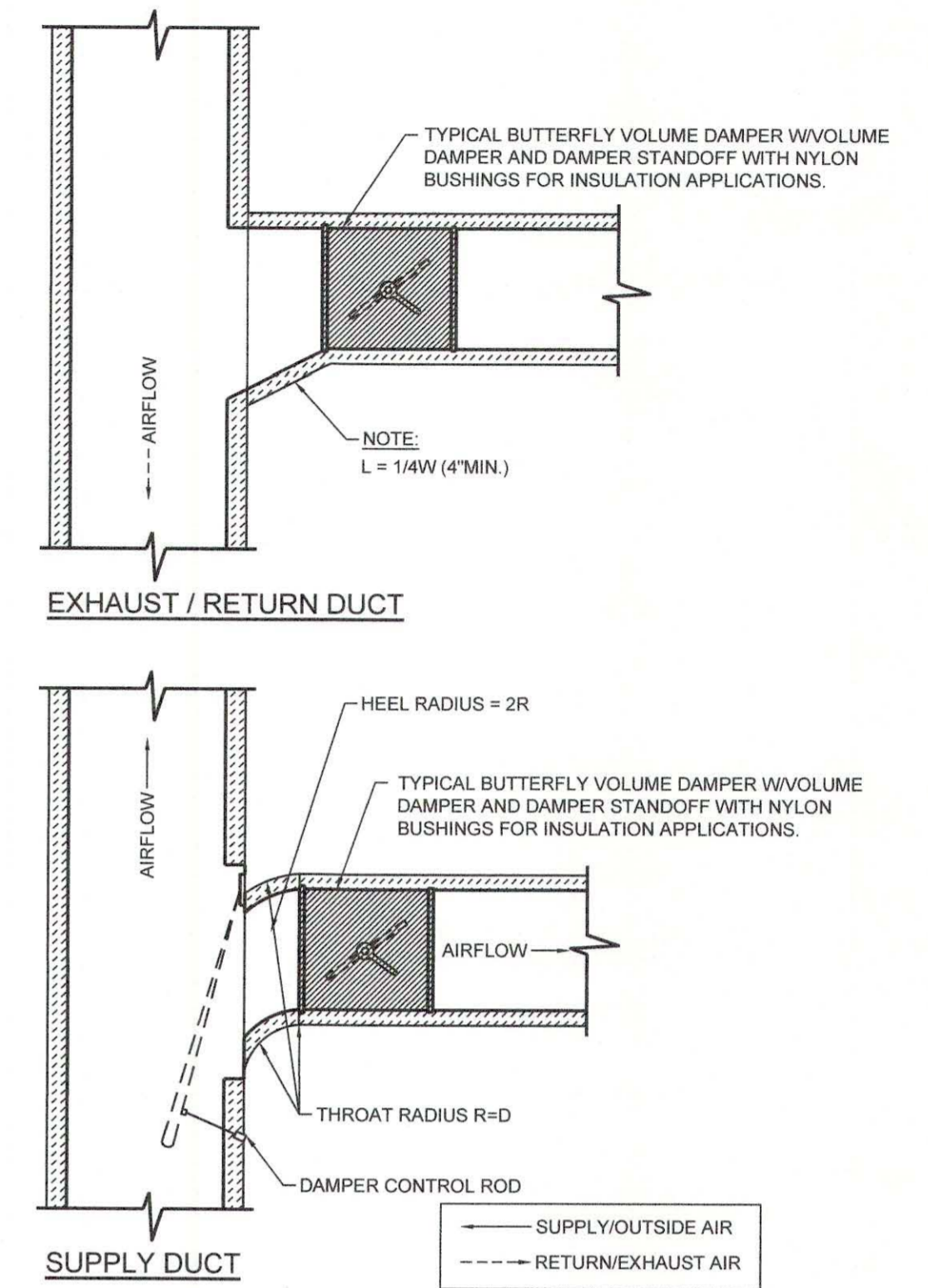
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MADISON, MS 39110



**TYPICAL LOW PRESSURE RECTANGULAR  
TO ROUND DUCT TAKEOFF DETAIL**

N.T.S.

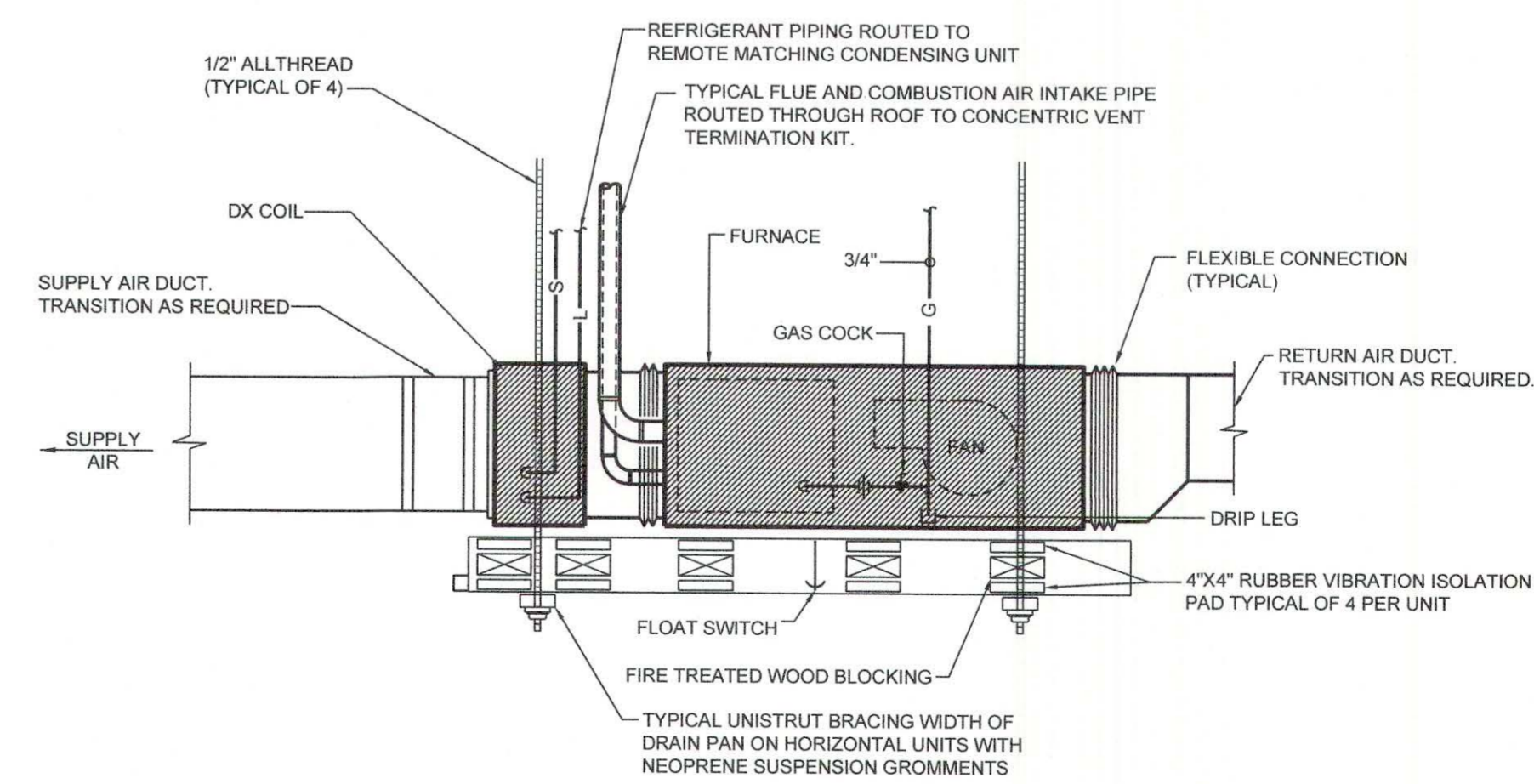
NOTE:  
TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO  
DOVETAIL FIELD JOINTS OR FITTINGS ARE ALLOWED.



**TYPICAL LOW PRESSURE RECTANGULAR  
TO RECTANGULAR DUCT TAKEOFF DETAIL**

N.T.S.

NOTE:  
TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO DOVETAIL FIELD  
JOINTS OR FITTINGS ARE ALLOWED.



**HORIZONTAL GAS FURNACE W/ DX COOLING DETAIL**

N.T.S.

NOTES:  
1. CONTRACTOR SHALL PROVIDE FLOAT SWITCH INSIDE DRAIN PAN TO  
DE-ENERGIZE UNIT WHEN ACTIVATED.



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CONSTRUCTION DOCUMENTS

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REVISIONS

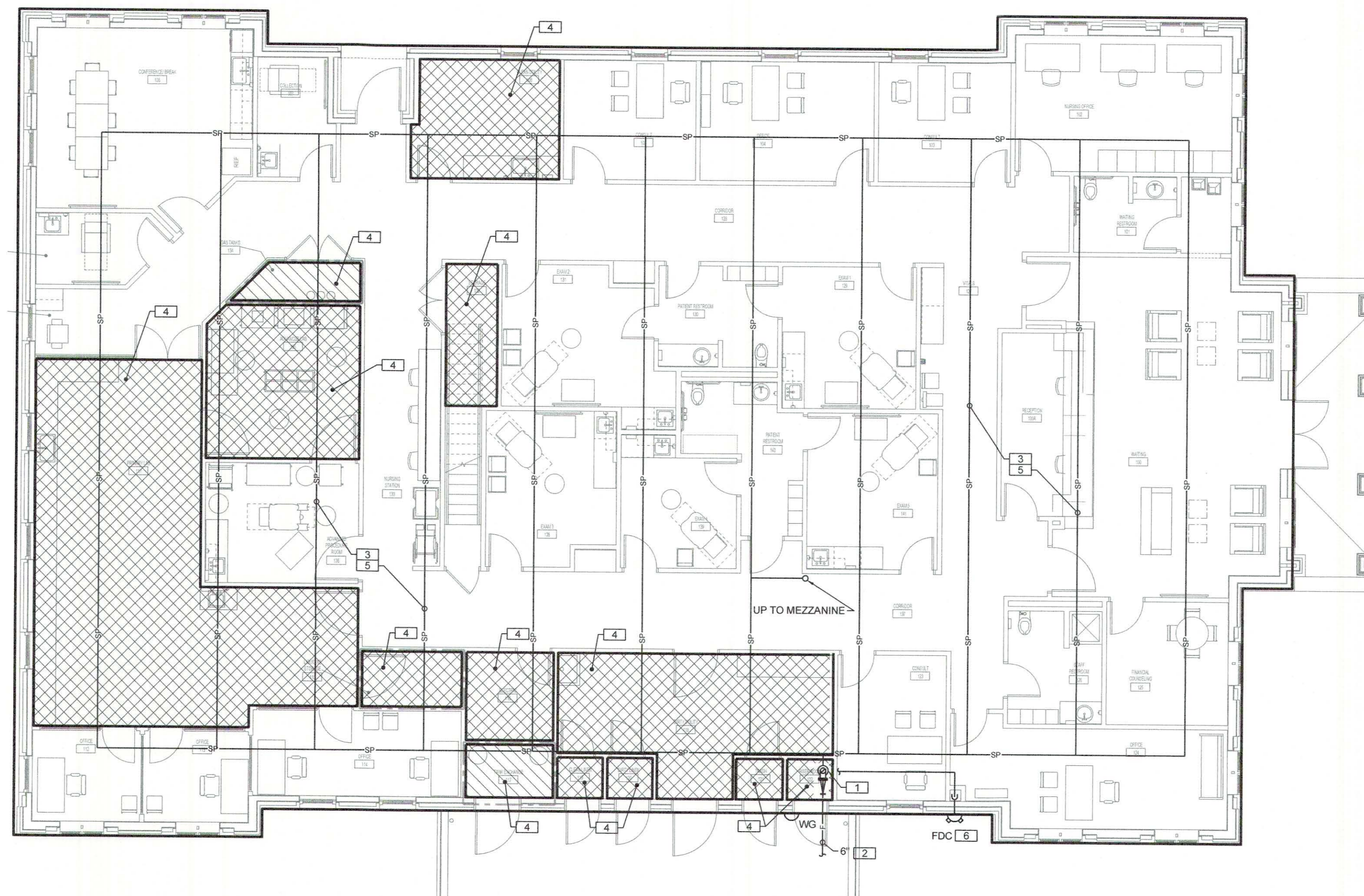
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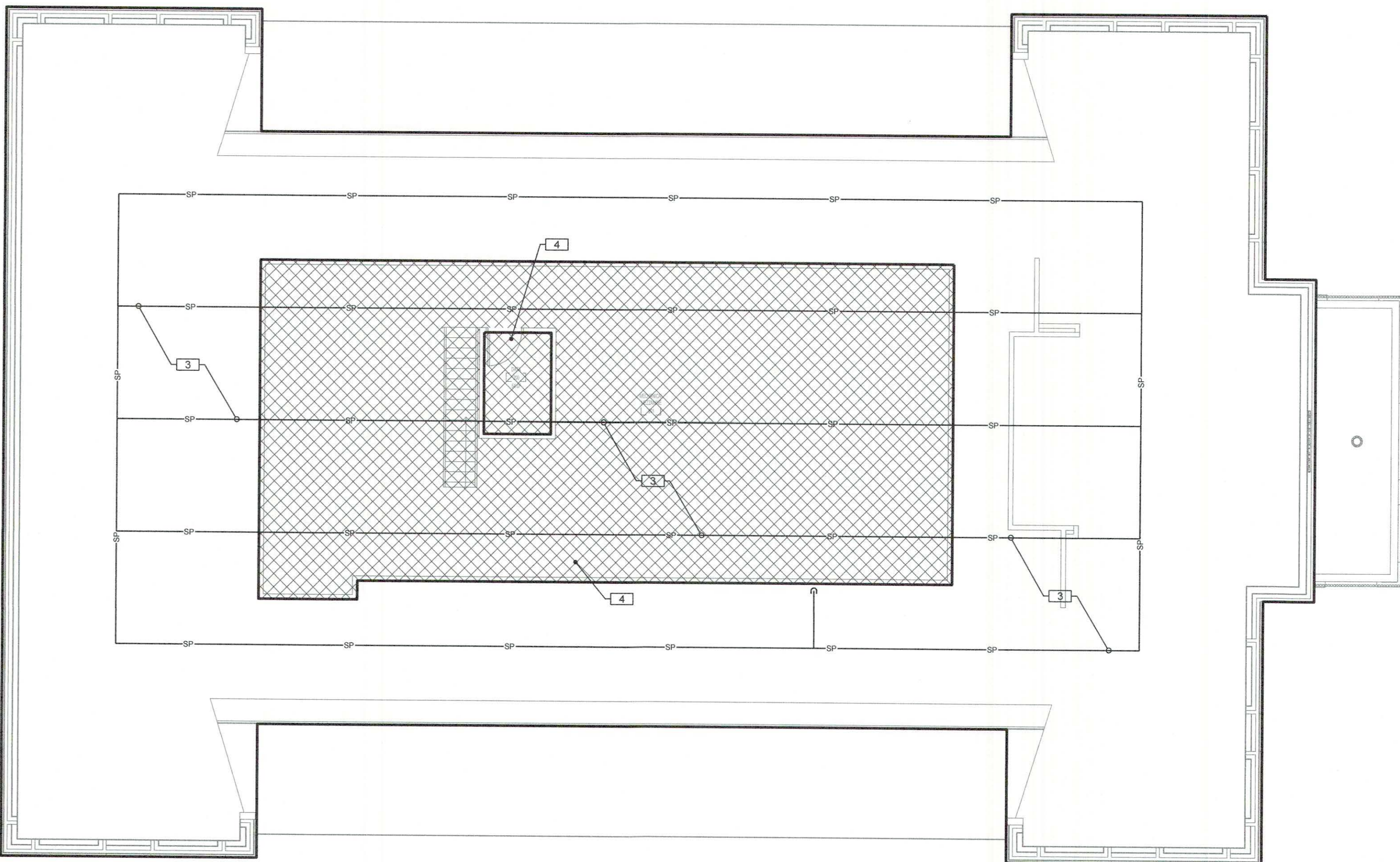
**M4.1**  
MECHANICAL DETAILS

**LEGEND - FIRE SPRINKLER**

MARK	DESCRIPTION
W	SITE WATER SERVICE PIPING
F	SITE FIRE WATER PIPING
SP	FIRE SPRINKLER PIPING
D	NEW DRAIN PIPING
[Cross-hatched box]	AREA SERVED BY WET PIPE SPRINKLER SYSTEM (INDICATES LIGHT HAZARD AREAS)
[Diagonal lines box]	AREA SERVED BY WET PIPE SPRINKLER SYSTEM (ORDINARY HAZARD GROUP 1)
[Dotted box]	AREA SERVED BY WET PIPE SPRINKLER SYSTEM (ORDINARY HAZARD GROUP 2)
PG	PRESSURE GAUGE AND COCK
FDC	NEW FIRE DEPARTMENT CONNECTION
WG	NEW WATER GONG
BFP	BACKFLOW PREVENTER
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISH GRADE
I/W	IN WALL
DN	DOWN
AF	ABOVE FINISHED FLOOR
[Dashed line]	1 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)



**FIRST LEVEL FIRE SPRINKLER PLAN**  
SCALE: 1/8"=1'-0"



**MEZZANINE LEVEL FIRE SPRINKLER PLAN**  
SCALE: 1/8"=1'-0"

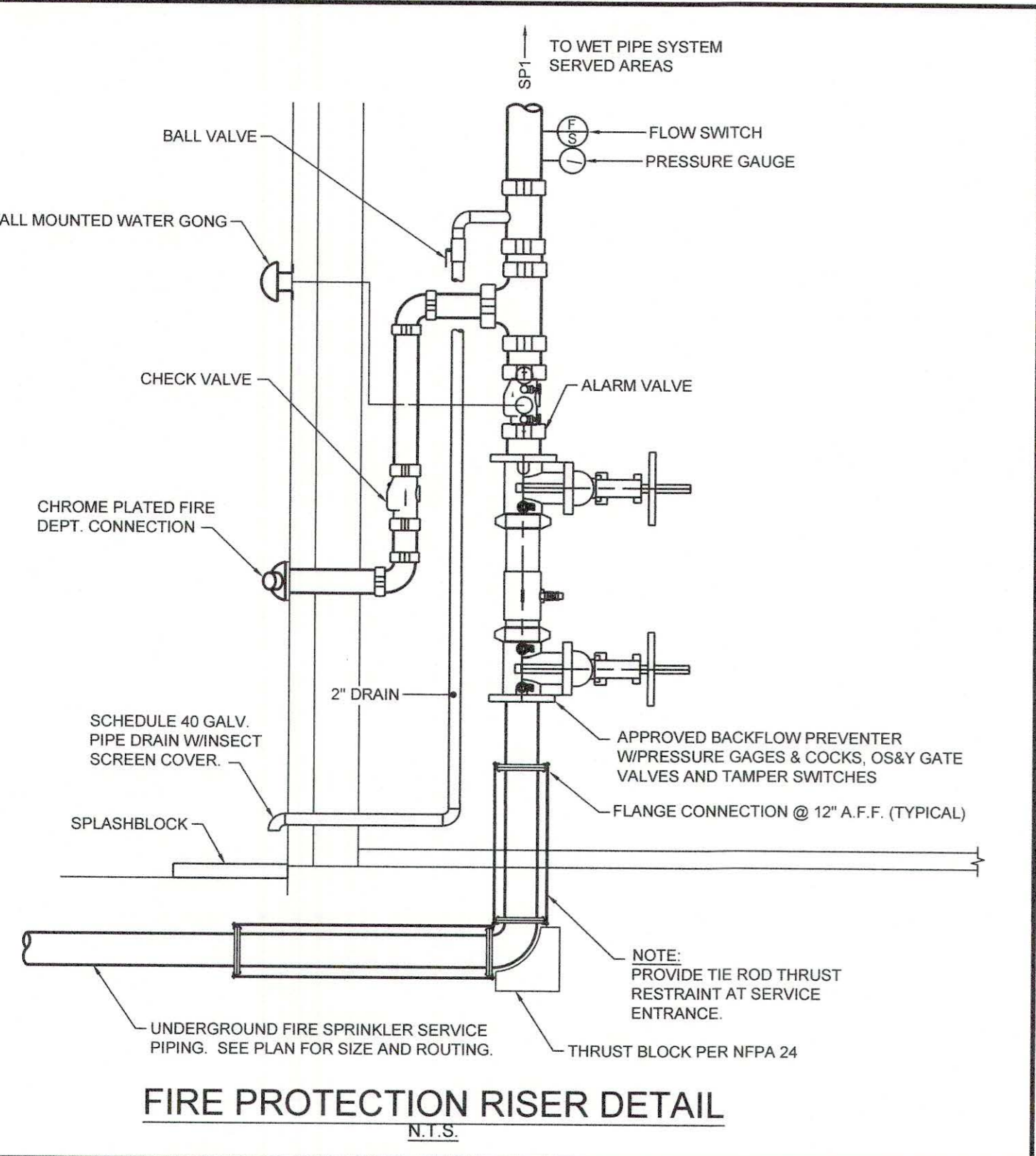
**CODE REVIEW**

DESIGN CODE	2012 INTERNATIONAL CODE COUNCIL (ICC)
VENTILATION CODE	ASHRAE STANDARD 62 AND 170 - 2013 EDITION
FIRE SPRINKLER	NFPA 13 - 2013

**DRAWING INDEX - FIRE SPRINKLER**

SHEET NUM BER	SHEET NAME
F1.0	OVERALL FIRST LEVEL FIRE SPRINKLER PLAN, LEGEND, SCHEDULES, AND DETAILS

- SPECIFIC FIRE SPRINKLER NOTES**
1. FIRE SPRINKLER RISER EXPOSED IN RISER ROOM. SEE RISER DIAGRAM FOR MORE INFORMATION.
  2. SEE CIVIL PLAN FOR CONTINUATION OF PIPING UTILITIES OUTSIDE BUILDING.
  3. FIRE SPRINKLER PIPING. SIZE AND ROUTING CONTINUATION PROVIDED IN CONJUNCTION WITH FIRE SPRINKLER CONTRACTOR PROVIDED HYDRAULIC CALCULATIONS.
  4. TYPICAL ORDINARY HAZARD AREAS. REFER TO SPRINKLER SCHEDULE FOR AREAS DESIGNATED AS ORDINARY HAZARD. VERIFY HAZARD CLASSIFICATION WITH NFPA 13 AND UTILIZE MOST STRINGENT REQUIREMENT.
  5. PROVIDE SPRINKLERS ABOVE CEILINGS DUE TO COMBUSTIBLE CONSTRUCTION (WOOD).
  6. APPROXIMATE LOCATION OF FIRE DEPARTMENT CONNECTION (F.D.C.). VERIFY LOCATION WITHIN 100'-0" OF NEARBY FIRE HYDRANT.
  7. APPROXIMATE LOCATION OF WATER GONG (W.G.).



**FIRE PROTECTION RISER DETAIL**  
N.T.S.

**WET PIPE SPRINKLER SCHEDULE**

AREA	HAZARD CLASSIFICATION	MINIMUM DENSITY (GPM/SF)
STORAGE, MECHANICAL, JANITOR	ORDINARY HAZARD, GROUP 1	0.15
ALL OTHER SPACES INCLUDING PROCEDURE, EXAM ROOMS, CORRIDORS, OFFICES, WAITING, ETC.	LIGHT HAZARD	0.10

**SEISMIC RESTRAINT SCHEDULE (FIRE SPRINKLER)**

SYSTEM/COMPONENT	SEISMIC DESIGN CATEGORY	SEISMIC COMPONENT IMPORTANCE FACTOR	BASIS OF DESIGN	REMARKS [1]
FIRE SPRINKLER PIPING	C	1.5	VIBRO ACOUSTICS	1, 2, 3, 4, 5

[1] REMARKS:  
 1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS  
 2. SEISMICALLY RATED FOR PROJECT CONDITIONS  
 3. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION  
 4. SEE SPECIFICATIONS FOR PIPING MATERIALS IN EACH APPLICATION  
 5. PROVIDE CALCULATIONS, SHOP DRAWINGS, ETC. PER NFPA 13 (LATEST EDITION)

**MISCELLANEOUS POWER AND FIRE ALARM CONNECTIONS SCHEDULE**

MARK	DESIGNATION	INTERACTION REQUIRED	POWER REQUIREMENTS	REMARKS
OS&Y	TAMPERPROOF SWITCH	ELEC./FIRE ALARM	120v, 1ph.	TAMPERPROOF SWITCH REQUIRED ON OS&Y VALVE AT FIRE PROTECTION RISER. SEE DIAGRAM FOR CLARITY.
F.S.	FLOW SWITCH	ELEC./FIRE ALARM	NOTE 1	CONNECTION TO FLOW SWITCH REQUIRED AT FIRE PROTECTION RISER. SEE DIAGRAM FOR CLARITY.
W.G.	WATER GONG	ELEC./FIRE ALARM	NOTE 1	LOCATED ON WALL OUTSIDE FIRE PROTECTION/RISER ROOM

NOTES:  
 1. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.



SEPTEMBER 29, 2017  
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NO.	DESCRIPTION	DATE



**SPECIFIC DRAIN, WASTE, AND VENT NOTES** [ # ]

(SEE GENERAL PLUMBING NOTES FOR MORE INFORMATION)

1. TYPICAL SERVICE PIPING BELOW GRADE AT APPROXIMATELY THIS LOCATION. SEE CIVIL PLAN FOR CONTINUATION.
2. 1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.
3. 1-1/2" INSULATED TRAPPED WASTE RECEPTOR ABOVE CEILING EXTENDED UP THROUGH MEZZANINE FLOOR ABOVE TO RECEIVE COOLING COIL CONDENSATE DRAIN. INSULATE ALL PIPING INCLUDING VENT/WASTE PIPING IN WALL TO SLAB ON GRADE.
4. INSULATE CONDENSATE DRAIN AND/OR SANITARY WASTE PIPING, INCLUDING TRAP AND SANITARY WASTE PIPING IN APPLICATIONS WHERE CONDENSATE FROM AIR CONDITIONING UNITS AND/OR DEHUMIDIFIERS DISCHARGE. INSULATION SHALL EXTEND FROM ORIGIN POINT OF COLD CONDENSATE AND EXTEND CONTINUOUS TO SLAB ON GRADE PENETRATION. INSULATE PER SPECIFICATIONS FOR CONDENSATE DRAIN PIPING.
5. EXTEND CONDENSATE DRAIN PIPING TO TRAPPED WASTE RECEPTOR AS INDICATED. HORIZONTAL MAINS TO BE 1-1/4" SIZE WITH MINIMUM 3/4" SIZE CONNECTIONS TO INDIVIDUAL UNITS.
6. CONNECT 1" DRAIN FOR DISHWASHER TO SINK.
7. TYPICAL INSULATED RAIN LEADER PIPING ROUTED UP TO ROOF DRAIN.
8. TYPICAL RAIN LEADER PIPING ROUTED BELOW FINISHED GRADE AT APPROXIMATELY THIS LOCATION. SEE ARCHITECTURAL/CIVIL SITE PLAN FOR INVERTS AND CONTINUATION.

**CODE REVIEW**

DESIGN CODE	2012 INTERNATIONAL CODE COUNCIL (ICC)
VENTILATION CODE	ASHRAE STANDARD 62 AND 170 - 2013 EDITION
FIRE SPRINKLER	NFPA 13 - 2013

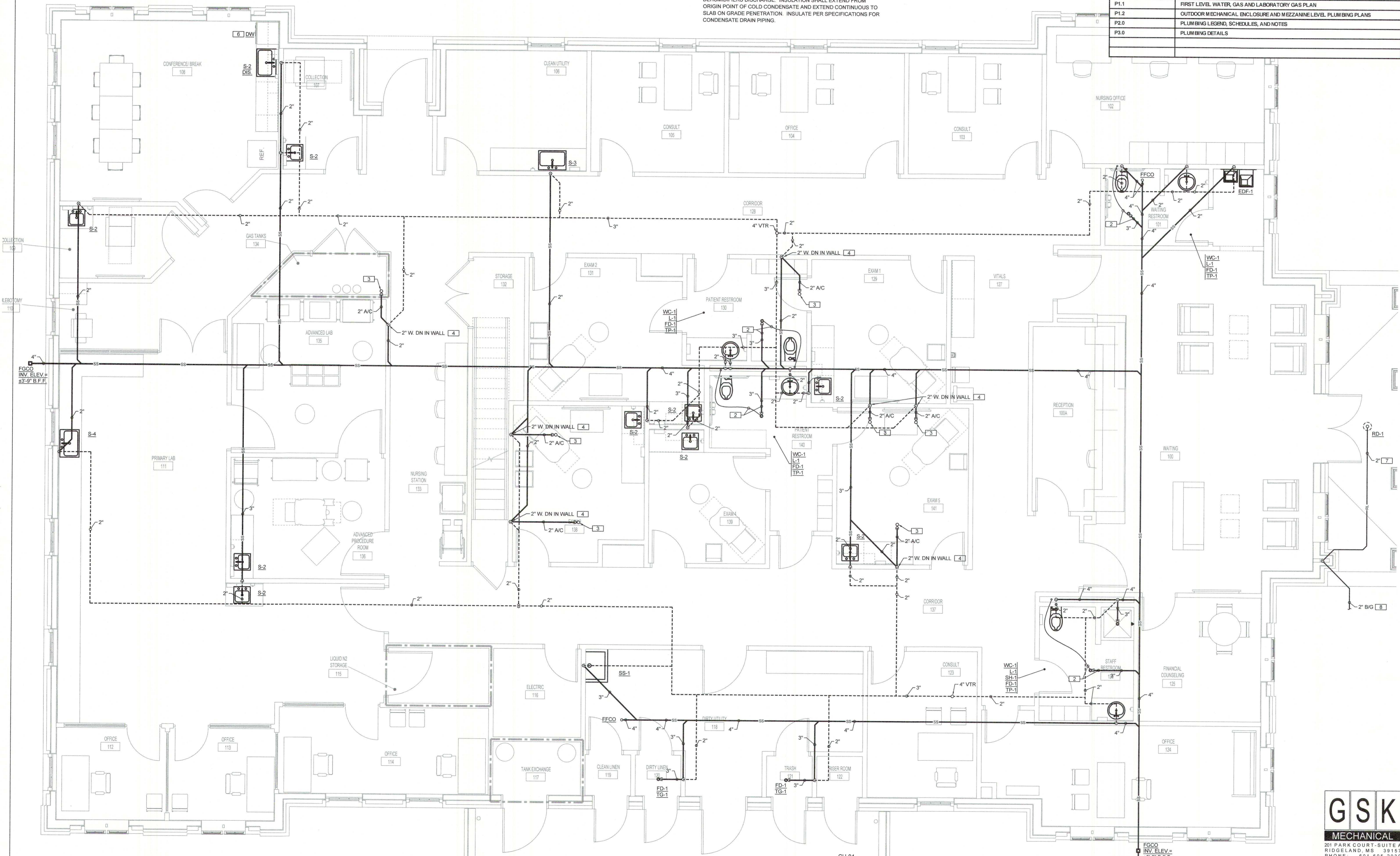
**DRAWING INDEX - PLUMBING**

SHEET NUMBER	SHEET NAME
P1.0	FIRST LEVEL DRAIN, WASTE, AND VENT PLAN
P1.1	FIRST LEVEL WATER, GAS AND LABORATORY GAS PLAN
P1.2	OUTDOOR MECHANICAL ENCLOSURE AND MEZZANINE LEVEL PLUMBING PLANS
P2.0	PLUMBING LEGEND, SCHEDULES, AND NOTES
P3.0	PLUMBING DETAILS

**FOUNTAINS DOCTOR'S OFFICE**

9.29.17

FOUNTAINS BLVD.  
MADISON, MS 39110



**FIRST LEVEL DRAIN, WASTE, AND VENT PLAN**  
SCALE: 1/4"=1'-0"



SEPTEMBER 29, 2017  
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NO.	REVISIONS DESCRIPTION	DATE

**GSK**  
MECHANICAL  
201 PARK COURT - SUITE A  
RIDGELAND, MS 39157  
PHONE: 601-605-2930  
FAX: 1-844-493-3111  
www.gskmech.com  
GSK#: 116-002

**P1.0**  
FIRST LEVEL DRAIN,  
WASTE, AND VENT PLAN

**FOUNTAINS  
DOCTOR'S OFFICE**

9.29.17  
FOUNTAINS BLVD.  
MADISON, MS 39110

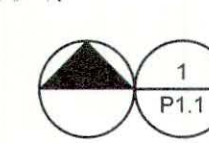
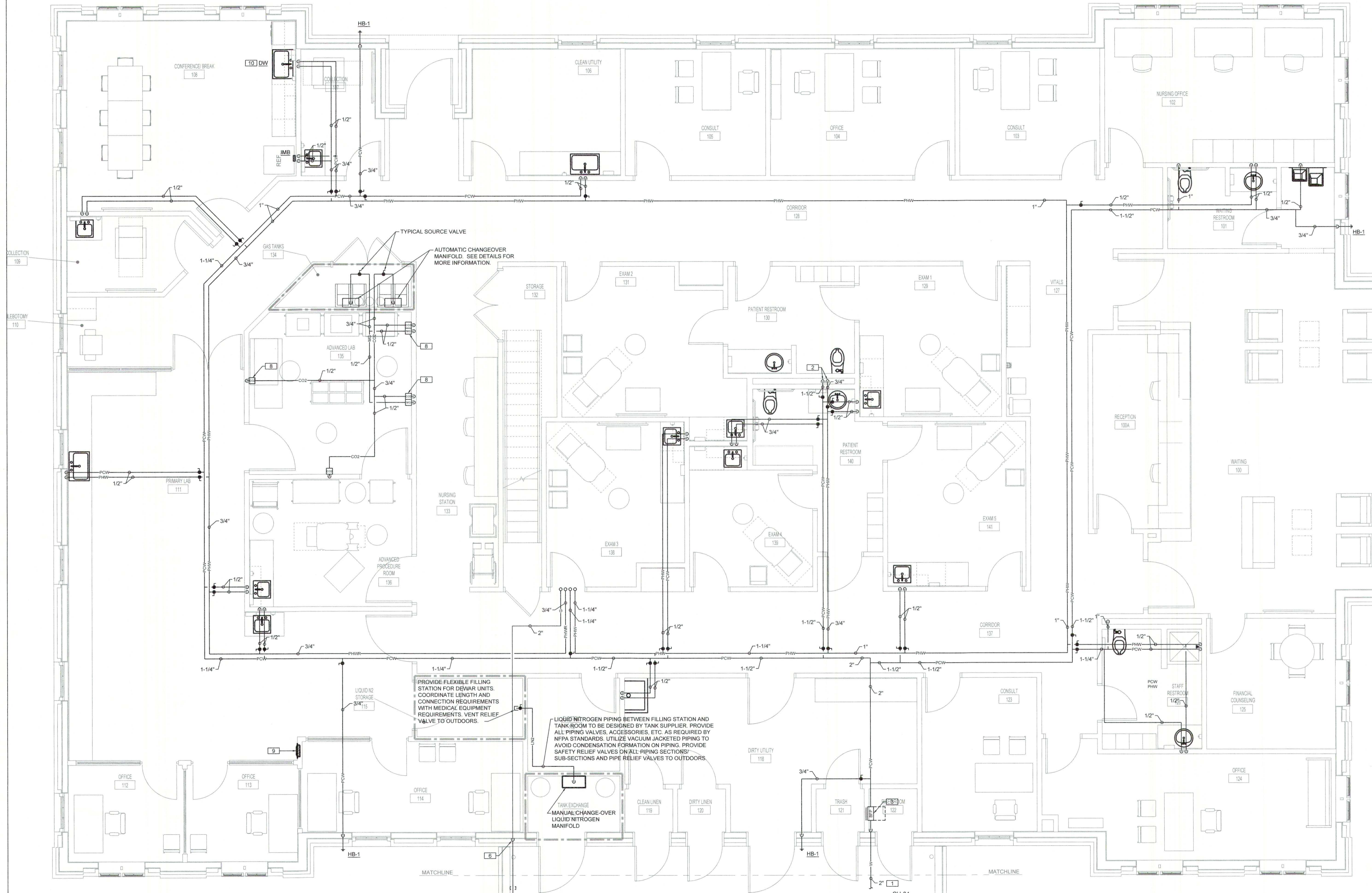
**SPECIFIC WATER, GAS AND LABORATORY GAS NOTES**

(SEE GENERAL PLUMBING NOTES FOR MORE INFORMATION)

1. TYPICAL SERVICE PIPING BELOW GRADE AT APPROXIMATELY THIS LOCATION. SEE CIVIL PLAN FOR CONTINUATION.
2. EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
3. REDUCED PRESSURE BACKFLOW PREVENTER MOUNTED AT ±60" A.F.F. WITH DRAIN TO OUTDOORS TO SPLASH BLOCK. SEE DETAIL.
4. TYPICAL NEW GAS SERVICE PIPING ROUTED BELOW GRADE. VERIFY/COORDINATE WITH LOCAL SERVING UTILITY COMPANY. ALL COST AND COORDINATION SHALL BE BY THIS CONTRACTOR.
5. GAS METER/REGULATOR PROVIDED BY SERVING UTILITY COMPANY. COST AND

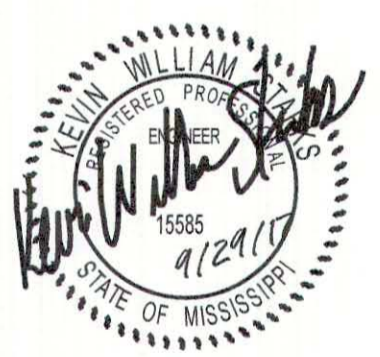
COORDINATION SHALL BE BY THIS CONTRACTOR. REGULATE 1700 CFH TO 2 PSI.

6. LOW PRESSURE GAS PIPING (SIZE AS INDICATED) ROUTED UP IN EXTERIOR WALL AT APPROXIMATELY THIS LOCATION.
7. GAS REGULATOR. CAPACITY AND PRESSURES AS INDICATED. SEE DETAIL FOR PIPING REQUIREMENTS.
8. TYPICAL MEDICAL GAS WALL OUTLET. SEE PLAN FOR TYPE. COORDINATE ROUGH-IN LOCATION AND CONNECTION TYPE REQUIREMENT WITH LABORATORY EQUIPMENT SUPPLIER.
9. LABORATORY GAS ALARM PANEL MOUNTED ON WALL AT ±54" A.F.F. VERIFY MOUNTING LOCATION WITH ARCHITECT.
10. CONNECT 1/2" HW FOR DISHWASHER TO SINK.



**FIRST LEVEL WATER, GAS AND LABORATORY GAS PLAN**

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

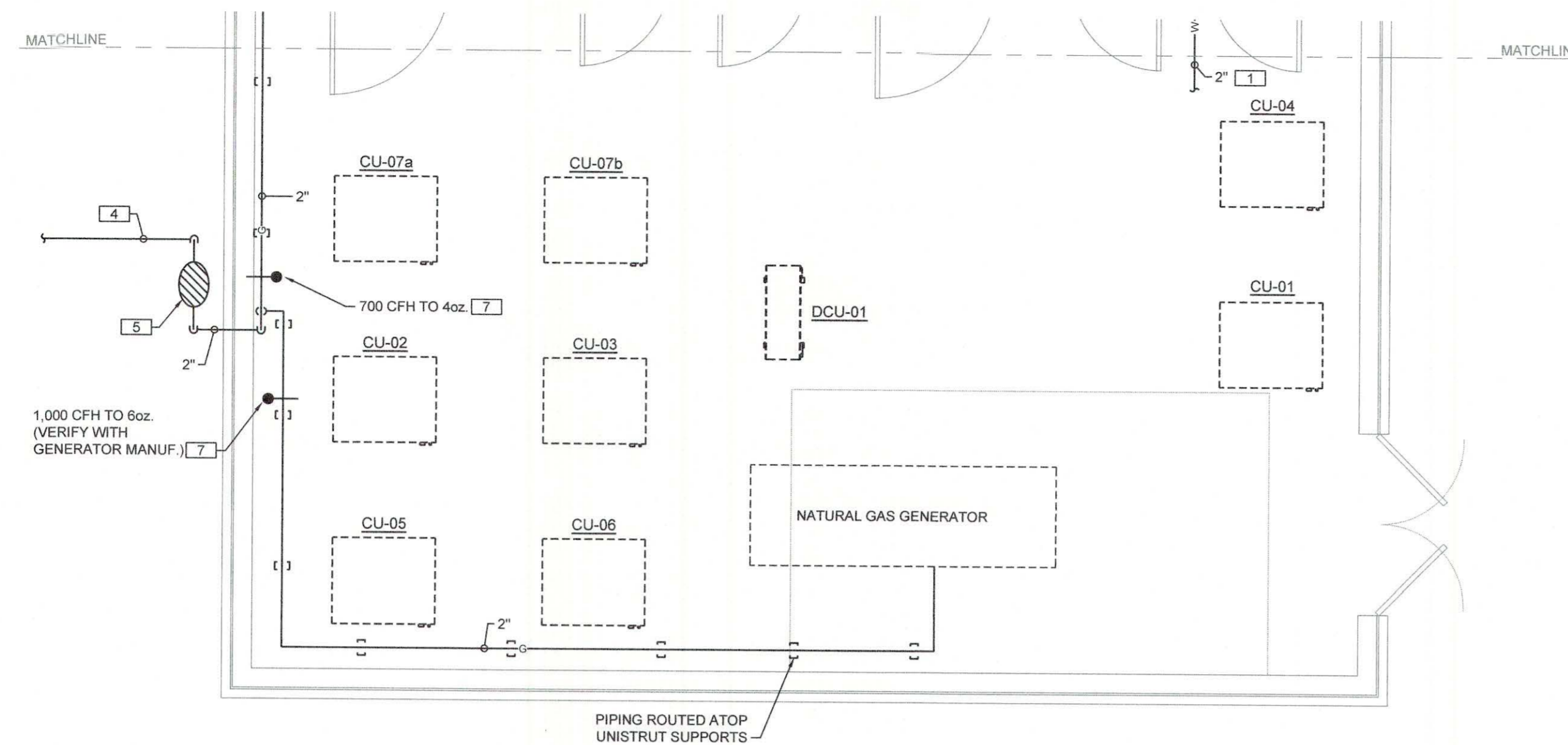


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MECHANICAL  
201 PARK COURT-SUITE A  
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FAX: 1-844-493-3111  
www.gskmech.com  
GSK#: 116-002

**P1.1**  
FIRST LEVEL WATER, GAS AND  
LABORATORY GAS PLAN



- SPECIFIC WATER, GAS AND LABORATORY GAS NOTES** [ # ]  
 (SEE GENERAL PLUMBING NOTES FOR MORE INFORMATION)
1. TYPICAL SERVICE PIPING BELOW GRADE AT APPROXIMATELY THIS LOCATION. SEE CIVIL PLAN FOR CONTINUATION.
  2. EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
  3. REDUCED PRESSURE BACKFLOW PREVENTER MOUNTED AT ±60" A.F.F. WITH DRAIN TO OUTDOORS TO SPLASH BLOCK. SEE DETAIL.
  4. TYPICAL NEW GAS SERVICE PIPING ROUTED BELOW GRADE. VERIFY/COORDINATE WITH LOCAL SERVING UTILITY COMPANY. ALL COST AND COORDINATION SHALL BE BY THIS CONTRACTOR.
  5. GAS METER/REGULATOR PROVIDED BY SERVING UTILITY COMPANY. COST AND

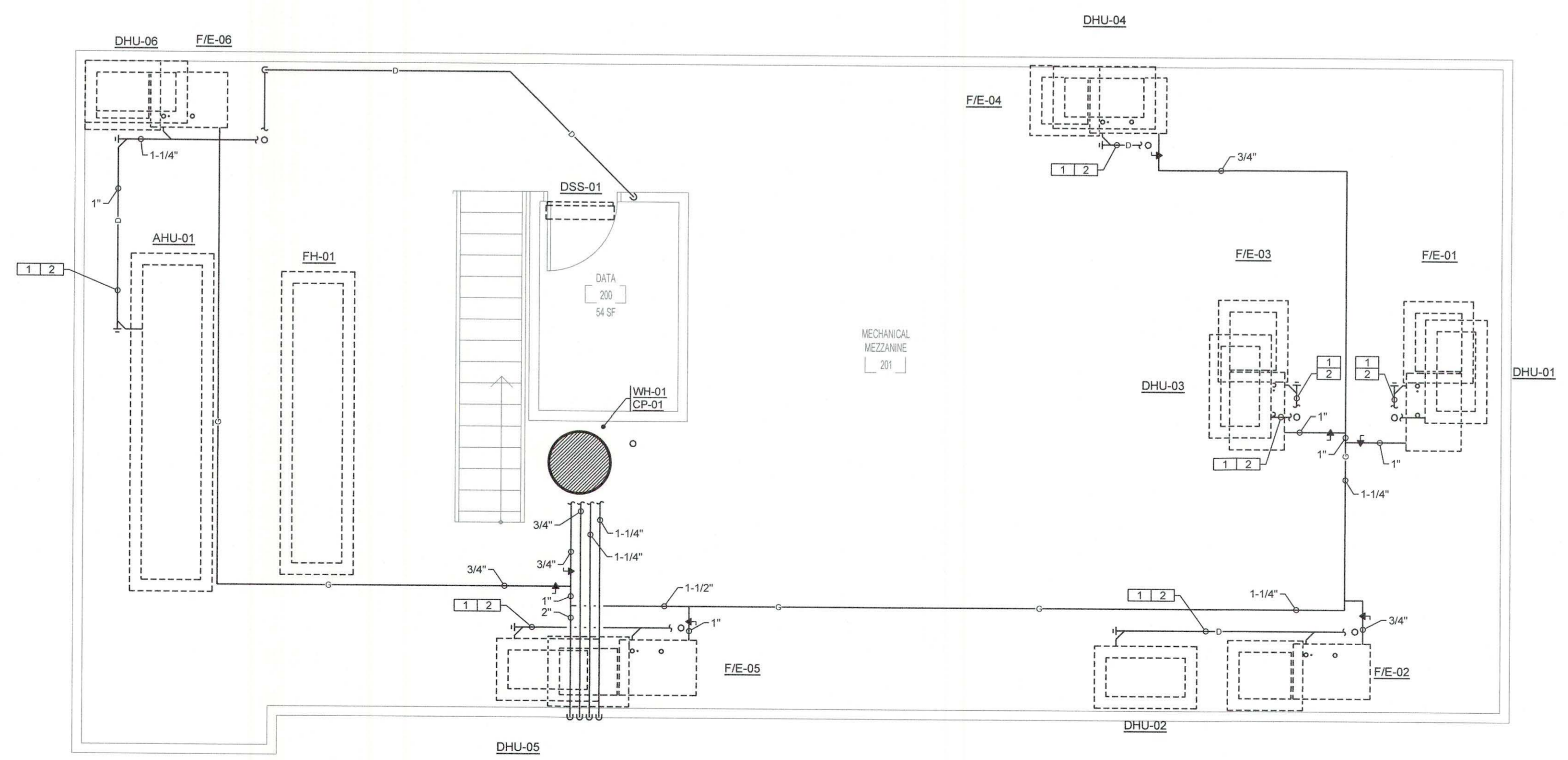
- COORDINATION SHALL BE BY THIS CONTRACTOR. REGULATE 1700 CFH TO 2 PSI.
6. LOW PRESSURE GAS PIPING (SIZE AS INDICATED) ROUTED UP IN EXTERIOR WALL AT APPROXIMATELY THIS LOCATION.
  7. GAS REGULATOR. CAPACITY AND PRESSURES AS INDICATED. SEE DETAIL FOR PIPING REQUIREMENTS.
  8. TYPICAL MEDICAL GAS WALL OUTLET. SEE PLAN FOR TYPE. COORDINATE ROUGH-IN LOCATION AND CONNECTION TYPE REQUIREMENT WITH LABORATORY EQUIPMENT SUPPLIER.
  9. LABORATORY GAS ALARM PANEL MOUNTED ON WALL AT ±54" A.F.F. VERIFY MOUNTING LOCATION WITH ARCHITECT.
  10. CONNECT 1/2" HW FOR DISHWASHER TO SINK.

**OUTDOOR MECHANICAL ENCLOSURE WATER, GAS AND LABORATORY GAS PLAN**  
 SCALE: 1/4"=1'-0"

**WIER BOERNER ALLIN ARCHITECTURE**  
 2906 N. STATE STREET, SUITE 106  
 JACKSON, MISSISSIPPI 39216  
 P: 601.321.9107 F: 601.321.9108

**FOUNTAINS DOCTOR'S OFFICE**

9.29.17  
 FOUNTAINS BLVD.  
 MADISON, MS 39110



- SPECIFIC MEZZANINE PLUMBING NOTES** [ # ]  
 (SEE GENERAL PLUMBING NOTES FOR MORE INFORMATION)
1. INSULATE CONDENSATE DRAIN AND/OR SANITARY WASTE PIPING, INCLUDING TRAP AND SANITARY WASTE PIPING IN APPLICATIONS WHERE CONDENSATE FROM AIR CONDITIONING UNITS AND/OR DEHUMIDIFIERS DISCHARGE. INSULATION SHALL EXTEND FROM ORIGIN POINT OF COLD CONDENSATE AND EXTEND CONTINUOUS TO SLAB ON GRADE PENETRATION. INSULATE PER SPECIFICATIONS FOR CONDENSATE DRAIN PIPING.
  2. EXTEND CONDENSATE DRAIN PIPING TO TRAPPED WASTE RECEPTOR AS INDICATED. HORIZONTAL MAINS TO BE 1-1/4" SIZE WITH MINIMUM 3/4" SIZE CONNECTIONS TO INDIVIDUAL UNITS.

**MEZZANINE LEVEL DRAIN, WASTE, AND VENT PLAN**  
 SCALE: 1/4"=1'-0"



SEPTEMBER 29, 2017  
 CONSTRUCTION DOCUMENTS  
 WBA #: 2217

NO.	REVISIONS DESCRIPTION	DATE

**GSK MECHANICAL**  
 201 PARK COURT, SUITE A  
 RIDGELAND, MS 39157  
 PHONE: 601-605-2930  
 FAX: 601-844-493-3111  
 www.gskmech.com  
 GSK#: 116-002

**P1.2**  
 OUTDOOR MECHANICAL ENCLOSURE AND MEZZANINE LEVEL PLUMBING PLAN



**LEGEND - PLUMBING**

MARK	DESCRIPTION
W	NEW SITE WATER SERVICE PIPING
F	NEW SITE FIRE PROTECTION WATER PIPING
MFG	NEW MEDIUM PRESSURE GAS PIPING
GSP	NEW GAS SERVICE PIPING (BY SERVING UTILITY)
G	NEW LOW PRESSURE GAS PIPING
RL	NEW RAIN LEADER PIPING
SS	NEW SANITARY VENT PIPING
PCW	NEW DOMESTIC COLD WATER PIPING
PHW	NEW DOMESTIC HOT WATER PIPING (120°F)
PHWR	NEW DOMESTIC RECIRCULATING HOT WATER PIPING (120°F)
C	NEW CONDENSATE DRAIN PIPING
SL	NEW REFRIGERANT SUCTION AND LIQUID PIPING
MG	NEW MIXED GAS PIPING
CG	NEW CARBON DIOXIDE PIPING
LG	NEW LIQUID NITROGEN PIPING
●	FULL PORT BALL VALVE (LEAD-FREE)
○	CIRCUIT-SETTER TYPE MANUAL BALANCING VALVE
○	GAS COCK
○	SHUTOFF VALVE IN DROP
○	UNION
○	CHECK VALVE
○	TYPICAL FINISHED GRADE CLEANOUT
○	PRESSURE REDUCING VALVE
○	THERMOMETER WITH WELL
○	PRESSURE GAUGE AND COCK
○	HOSE BIBB
○	WALL CLEANOUT
○	BACKFLOW PREVENTER
FD	FLOOR DRAIN
HW	HOT WATER
CW	COLD WATER
W	WASTE
V	VENT
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN	DOWN
FFCO	FINISH FLOOR CLEANOUT
FGCO	FINISH GRADE CLEANOUT
VTR	VENT THRU ROOF
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
RD	ROOF DRAIN
TP	TRAP PRIMER BELOW SLAB/FLOOR
	1 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)

**GENERAL PLUMBING NOTES:**

- PROVIDE AND INSTALL ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. CONTRACTOR SHALL VERIFY WITH ARCHITECT AND DRAWINGS WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING/LIP HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.
- ALL PLUMBING VENTS, WHERE NOTED VENT UP (V. UP), SHALL BE COMBINED WITHIN WALL OR ABOVE CEILING CONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS. CONTRACTOR SHALL COORDINATE LOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 25 FEET FROM ANY VENTILATION INTAKE DEVICES. ALL ROOF PENETRATIONS, VENTS, FLUES, ETC., SHALL BE MADE ON BACK SIDE OF ROOF AS CAN BE COORDINATED WITH ARCHITECT. ALL FLUES AND VENTS EXPOSED ABOVE ROOF SHALL BE FIELD PAINTED COLOR BY ARCHITECT.
- ALL DRAINAGE, VENT AND WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS, EXCEPT AS OTHERWISE NOTED AND AT APPROPRIATE EQUIPMENT FINAL CONNECTIONS. HOLD ALL PIPING ABOVE CEILINGS AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER CRAFTS.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT CLEARLY SHOWN ON PLANS OR IN RISER DIAGRAMS, ETC. CONTACT PROFESSIONAL SHOULD QUESTIONS OR CONFLICTS ARISE. PROVIDE AND INSTALL ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OR EQUIPMENT MANUFACTURER FOR DISHWASHERS, ICE MAKERS, AND MACHINES, WASHERS, DRYERS, ETC. VERIFY LOCATION ON ARCHITECTURAL DRAWINGS AND CONNECTION REQUIREMENTS FROM APPROVED BROCHURES OF THE EQUIPMENT AND/OR APPLIANCES MANUFACTURER.
- COORDINATE SLOPE OF ALL DRAINAGE AND VENT PIPING BELOW GRADE AT INVERT ELEVATIONS INDICATED. CONSISTENTLY SLOPE ALL OTHER PIPING, NOT INDICATED, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 18" LONG.
- ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONS, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR THE BEAMS THE CONTRACTOR SHALL INCREASE THE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR A DISTANCE OF 4'-0" CENTERED ON THE PENETRATION. WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL, AN EQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPLICED 30 BAR DIAMETERS ON EACH SIDE. CONCRETE COVER REQUIREMENTS ON ALL SIDES SHALL BE THE SAME AS SHOWN FOR THE UN-MODIFIED GRADE BEAM OR THE BEAM. SEE STRUCTURAL DRAWINGS FOR FURTHER SPECIFICS, ETC. PROVIDE NEW SCHEDULE 40 PVC PIPE SLEEVE A MIN. TWO SIZES LARGER THAN CARRIER PIPE AT ALL SUCH CROSSINGS. TO EXTEND MIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNULAR SPACE OF SLEEVES AND WATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
- ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALL BE 4" SIZE ON 6" AND LARGER PIPING.
- ROUTE ALL HORIZONTAL INSULATED DOMESTIC WATER PIPING UNDER ATTIC INSULATION WHERE ATTIC INSULATION OCCURS.

**MISCELLANEOUS POWER CONNECTIONS SCHEDULE**

MARK	DESIGNATION	INTERACTION REQUIRED	POWER REQUIREMENTS	REMARKS
DIS.	DISPOSAL	ELECTRICAL	120V., 1ph. (34 HP)	IN-SINK-ERATER 3/4 HP (EVOLUTION COMPACT)

**PLUMBING FIXTURE SCHEDULE**

MARK	ADA REQ'D	DESCRIPTION	ROUGH-IN REQUIREMENTS					FLOOR M.TND. CARRIER REQ'D
			WASTE	VENT	120 °F HW	CW	TEMPERED	
WC-1	YES	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE	4"	2'-4"	-	1"	-	YES
L-1	YES	LAVATORY - OVAL COUNTER MOUNTED (UNDER-COUNTER)	2"	1-1/2"	1/2"	1/2"	-	NO
S-1	NO	SINK - SINGLE COMPARTMENT, STAINLESS STEEL, SELF-RIMMING (BREAK ROOM)	2"	1-1/2"	1/2"	1/2"	-	NO
S-2	NO	SINK - SINGLE COMPARTMENT, STAINLESS STEEL, SELF-RIMMING (EXAM HANDWASH)	2"	1-1/2"	1/2"	1/2"	-	NO
S-3	NO	SINK - SINGLE COMPARTMENT, STAINLESS STEEL, SELF-RIMMING (CLEAN UTILITY)	2"	1-1/2"	1/2"	1/2"	-	NO
S-4	NO	SINK - SINGLE COMPARTMENT, STAINLESS STEEL, SELF-RIMMING (ANDROLOGY - LARGE)	2"	1-1/2"	1/2"	1/2"	-	NO
SS-1	NO	SERVICE SINK - FLOOR MOUNTED TERRAZZO CORNER TYPE	3"	1-1/2"	1/2"	1/2"	-	NO
SH-1	YES	SHOWER FITTINGS AND DRAIN	2"	1-1/2"	1/2"	1/2"	-	NO
EDF-1	YES	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE (DUAL HEIGHT)	2"	1-1/2"	-	1/2"	-	YES
HB-1	NO	HOSE BIBB - NON-FREEZE TYPE IN LOCKING BOX	-	-	-	3/4"	-	NO
TP-1	NO	TRAP PRIMER - CONNECT TO FLUSH VALVE ASSEMBLY	-	-	-	1/2"	-	NO
TG-1	NO	TRAP GUARD	-	-	-	-	-	NO
IMB	NO	ICE MAKER WITH TYPE "K" COPPER WATER LINE	-	-	-	1/2"	-	NO
DW	NO	DISHWASHER CONNECTIONS	1"	-	1/2"	-	-	NO
FD-1	NO	FLOOR DRAIN - GENERAL DRAINAGE IN TOILET, DIRTY LINEN, AND TRASH AREAS	3"	1-1/2"	-	-	-	NO
RD-1	NO	ROOF DRAIN (SEE PLAN FOR SIZE)	-	-	-	-	-	NO

**CIRCULATING PUMP SCHEDULE**

MARK	LOCATION	SYSTEM	CIRCULATING FLUIDS						ELECTRICAL DATA				BASIS OF DESIGN
			FLUID	G.P.M.	PUMP HEAD FT. FLUID	TEMP., °F	SP. GR.	% EFF.	TYPE	NOM. HP.	SERVICE	R.P.M.	
CP-01	WH-01	A	WATER	3	20	60-200	1	-	A	1/12	120V., 1ph	2650	BELL & GOSSETT MODEL PL-30B

[1] SYSTEM  
A. DOMESTIC HOT WATER RECIRCULATING

[2] TYPE  
A. IN-LINE - LOW LEAD BRONZE OR STAINLESS STEEL

COMPARABLE PRODUCTS:  
BELL AND GOSSETT, PACO, TACO

**DOMESTIC WATER HEATER SCHEDULE**

MARK	FUEL	STORAGE CAP., GAL.	RECOVERY G.P.H. AT 60 °F RISE	INPUT MBHR	ELECTRICAL SERVICE	BASIS OF DESIGN	NOTES
WH-01	N. GAS	50	138	76	120V., 1ph	AO SMITH MODEL BTX-80	1, 2, 3, 4

NOTES:  
1. PROVIDE PIPING, VALVES AND ACCESSORIES PER DETAILS.  
2. PROVIDE RECIRCULATING PUMP AND PIPING PER DETAIL.  
3. PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT TERMINATION KIT.  
4. PROVIDE WITH MANUFACTURER CONDENSATE NEUTRALIZATION KIT.

**MOTOR STARTER SCHEDULE**

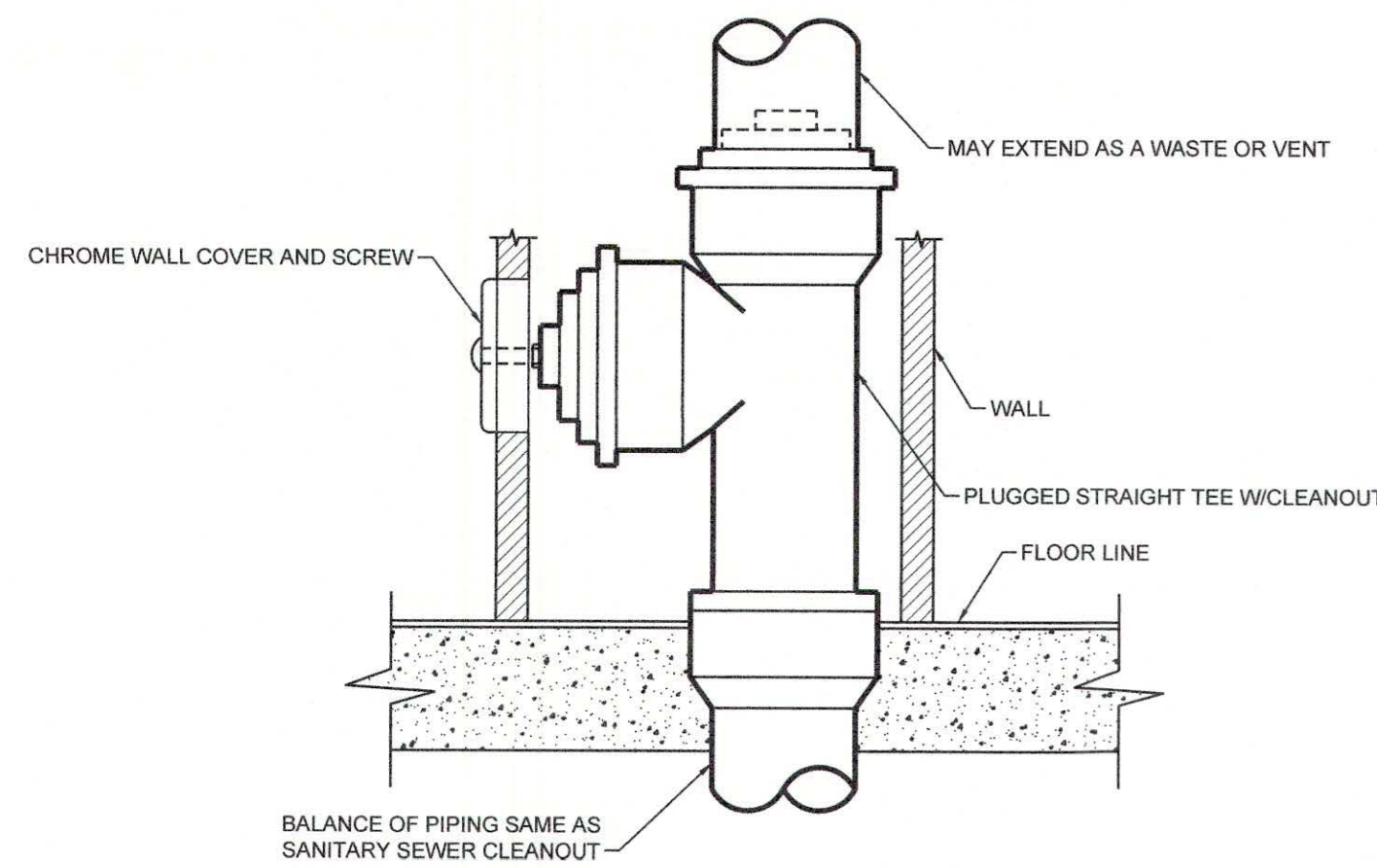
SERVING	HP OF EACH LOAD	ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN	NOTES [1]
CP-01	1/12	120V., 1ph	FRANKLIN CONTROLS MODEL BAS-1P	1, 2, 3

[1] NOTES  
1. COORDINATE CONTROL CONTACTOR REQUIREMENTS WITH ENERGY MANAGEMENT SYSTEM (EMS) TO ACHIEVE SPECIFIED SEQUENCE OF OPERATIONS.  
2. MOUNT STARTER WITHIN 10' OF EQUIPMENT SERVED. COORDINATE IN FIELD SPECIFIC LOCATION.  
3. COMBINATION MOTOR STARTER/ENDS CONNECT.



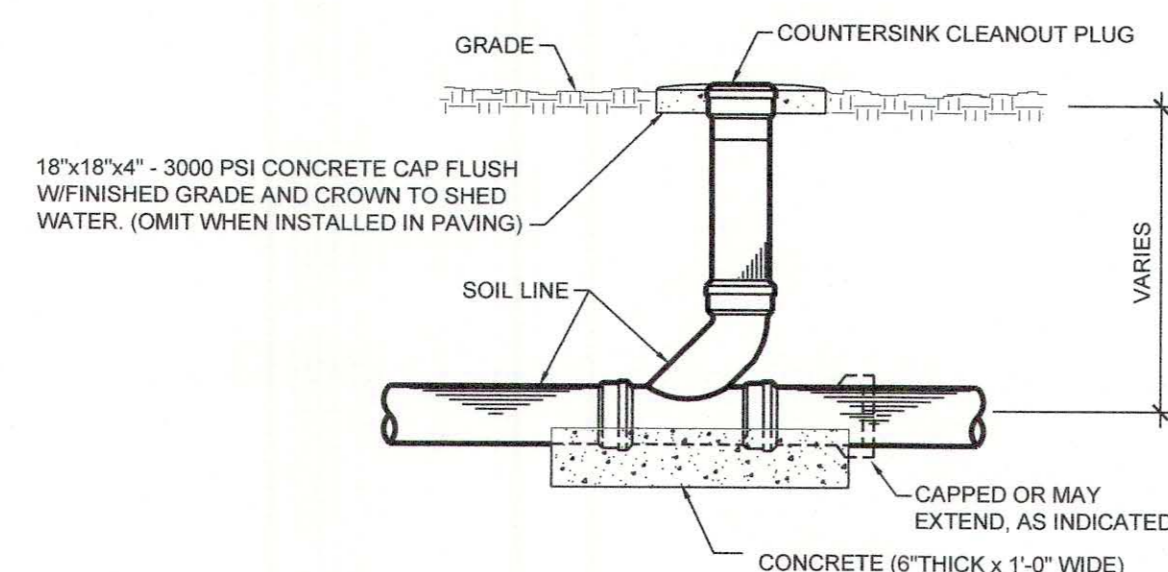
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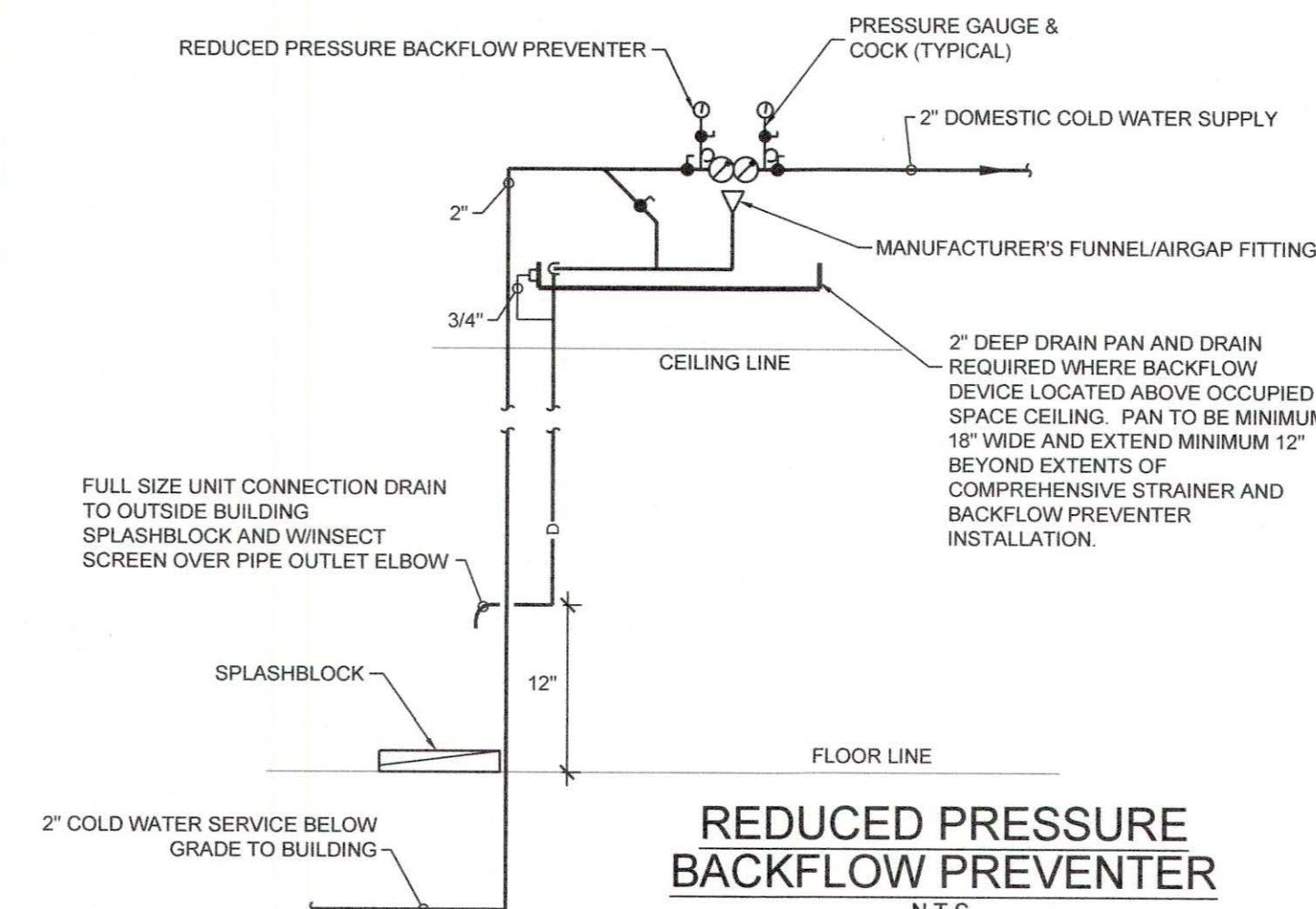


**WALL CLEANOUT DETAIL**  
N.T.S.

NOTE:  
EXAMPLE SHOWN IS CAST IRON. PVC/DWV EXAMPLE SIMILAR.

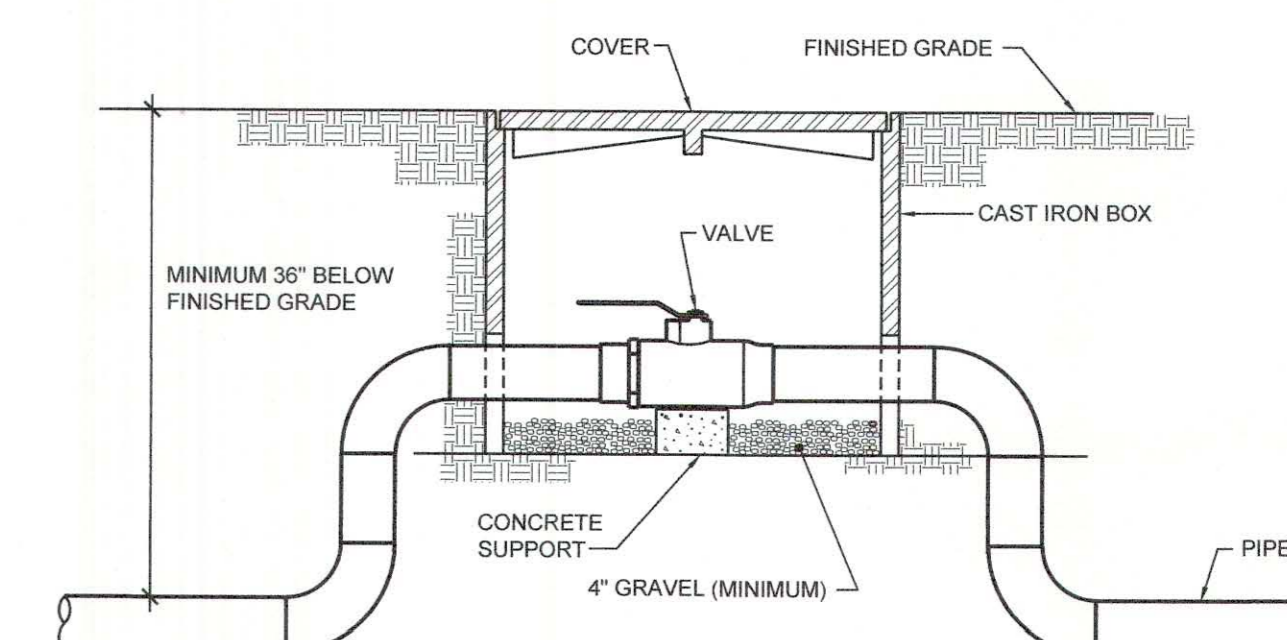


**ONE-WAY FLUSH GRADE CLEANOUT DETAIL**  
N.T.S.

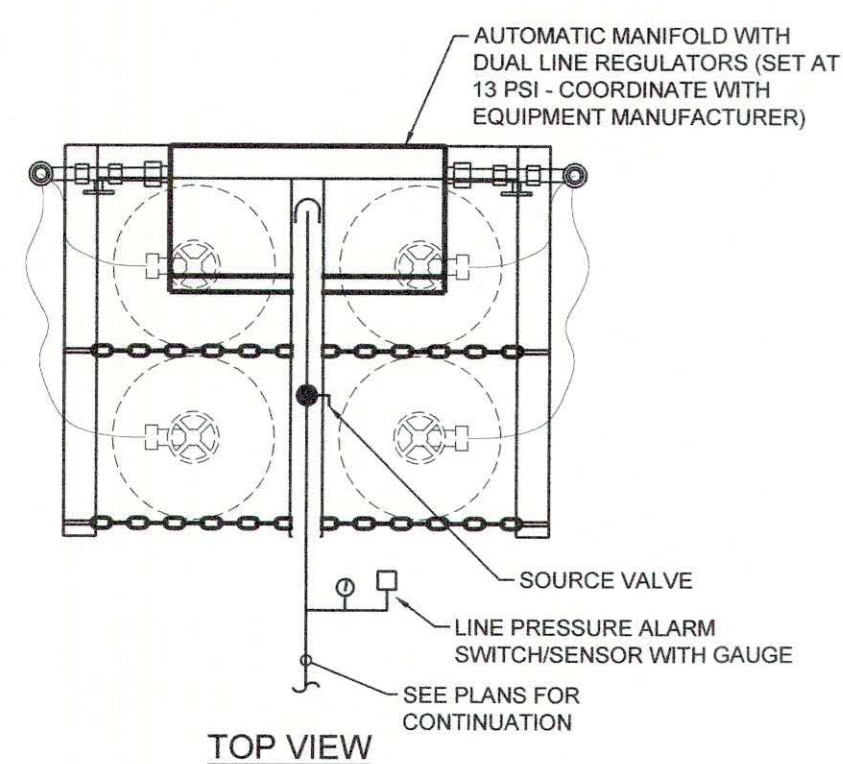


**REDUCED PRESSURE BACKFLOW PREVENTER**  
N.T.S.

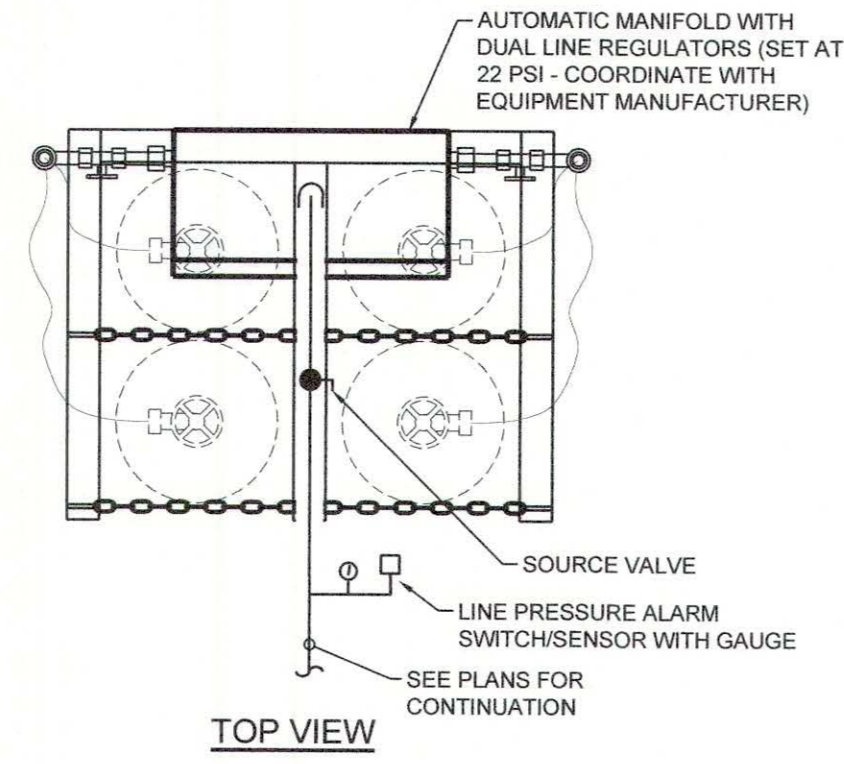
NOTE:  
INSULATED WATER PIPING AND DRAIN PIPING CONCEALED IN WALL.



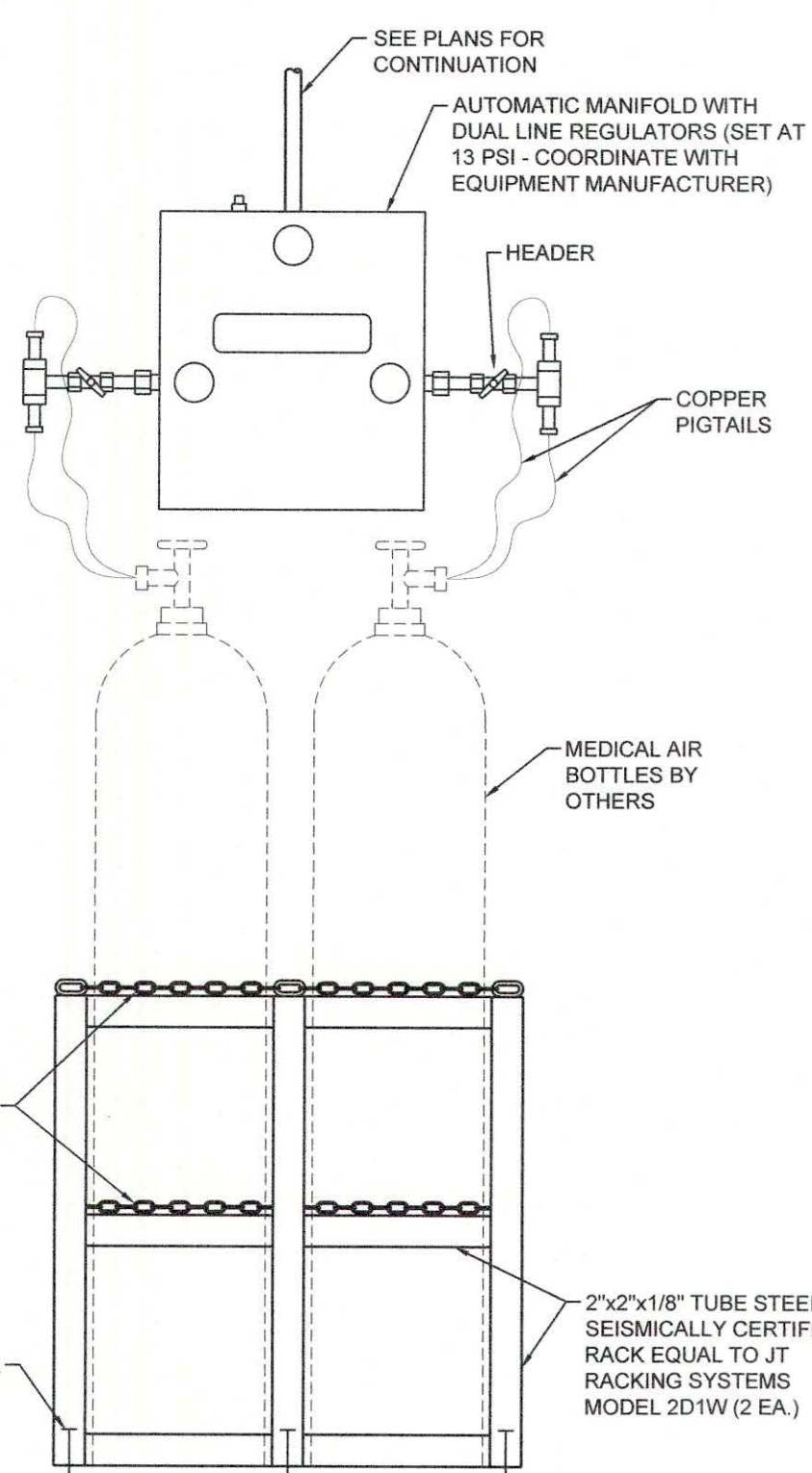
**TYPICAL VALVE BOX DETAIL**  
N.T.S.



TOP VIEW

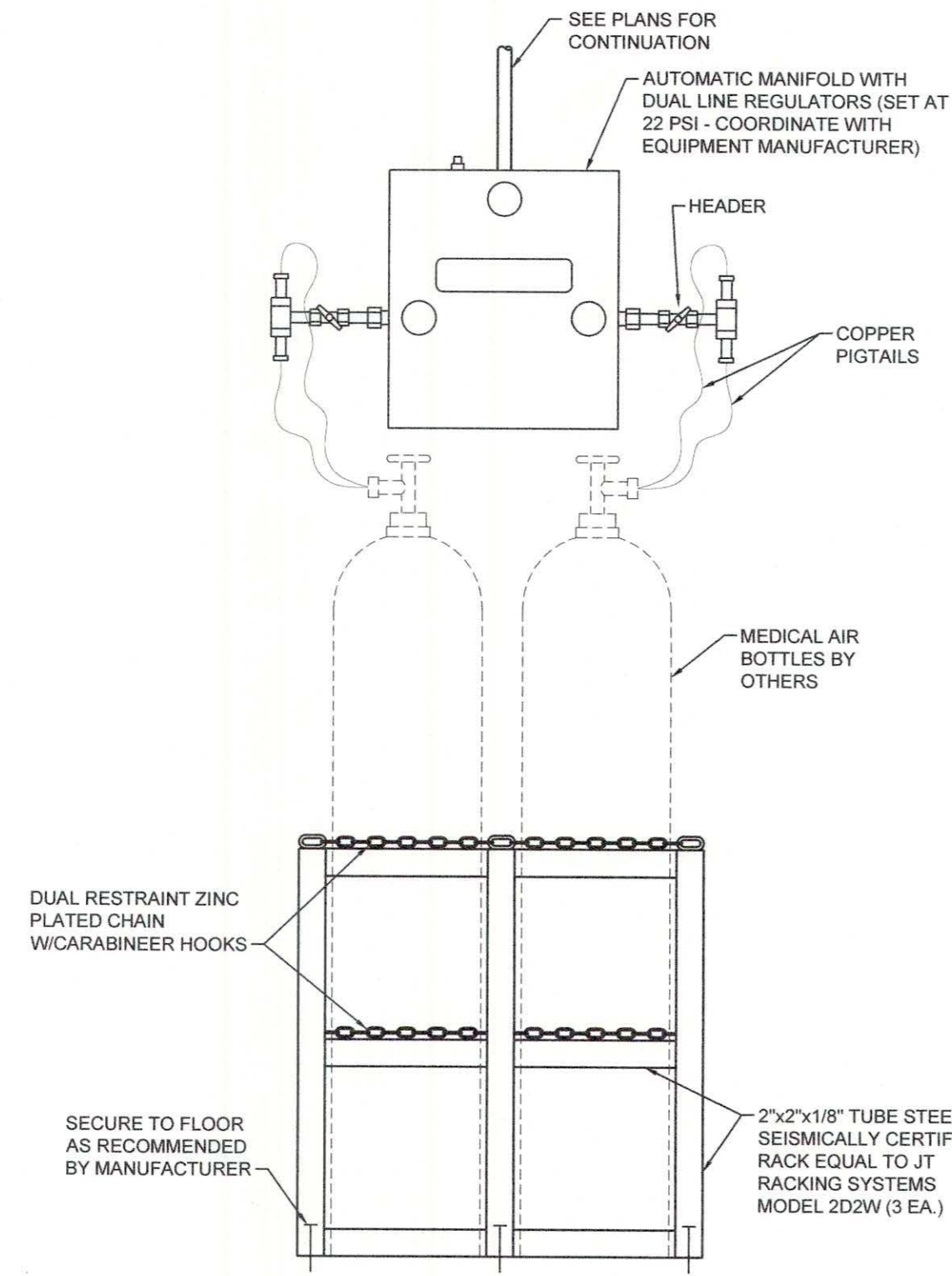


TOP VIEW



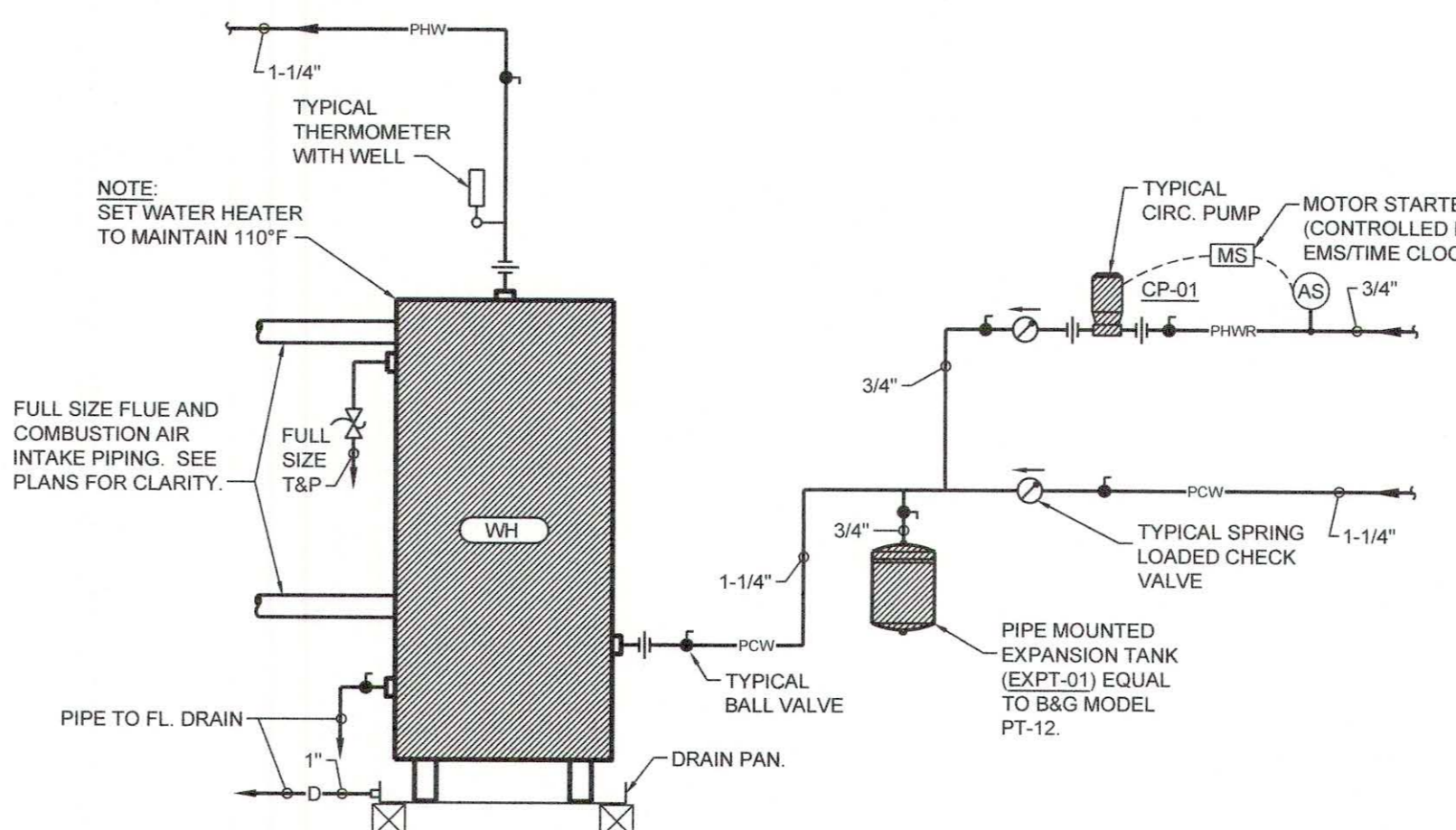
FRONT VIEW

**CARBON DIOXIDE MANIFOLD DETAIL**  
N.T.S.

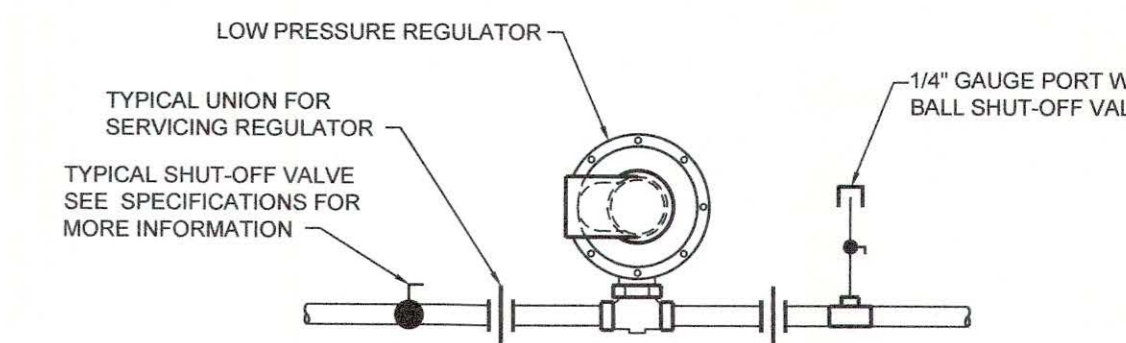


FRONT VIEW

**MIXED GAS MANIFOLD DETAIL (89%NIT, 6%CO2, 5% OXY)**  
N.T.S.

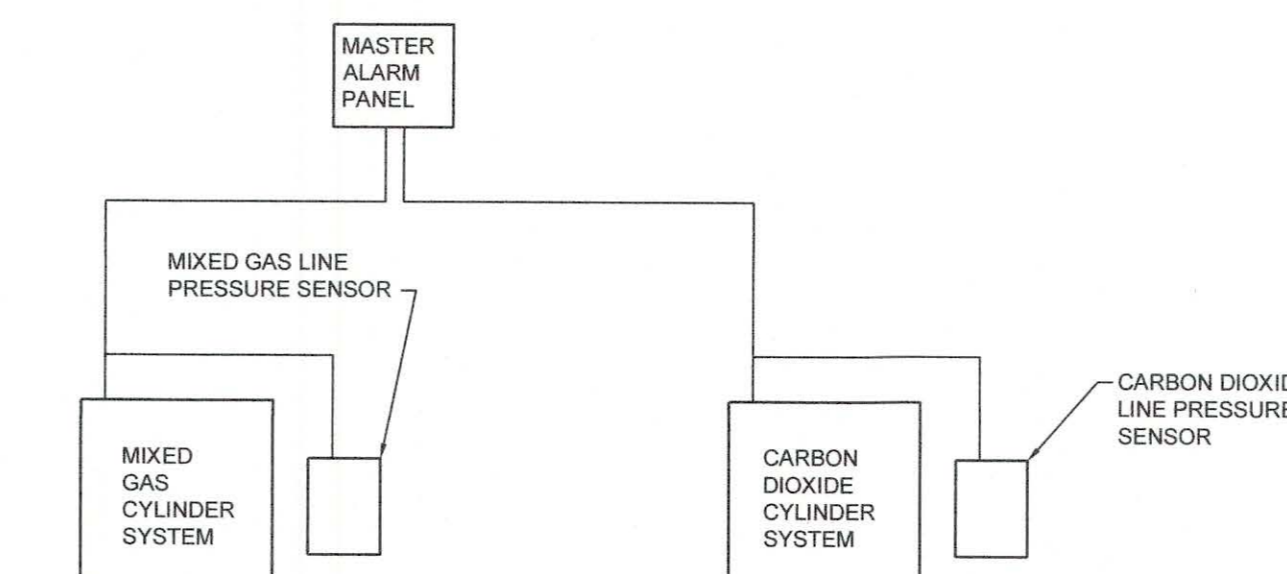


**WATER HEATER (WH-01) DETAIL**  
N.T.S.



**GAS REGULATOR DETAIL**  
N.T.S.

NOTES:  
1. PROVIDE VENT TO OUTDOORS FOR ALL REGULATORS LOCATED INSIDE BUILDING.  
2. SEE PLANS FOR PIPE SIZES.  
3. SEE REGULATOR SCHEDULE FOR INLET PRESSURE, OUTLET PRESSURE AND MBH (CFH) REQUIREMENTS.

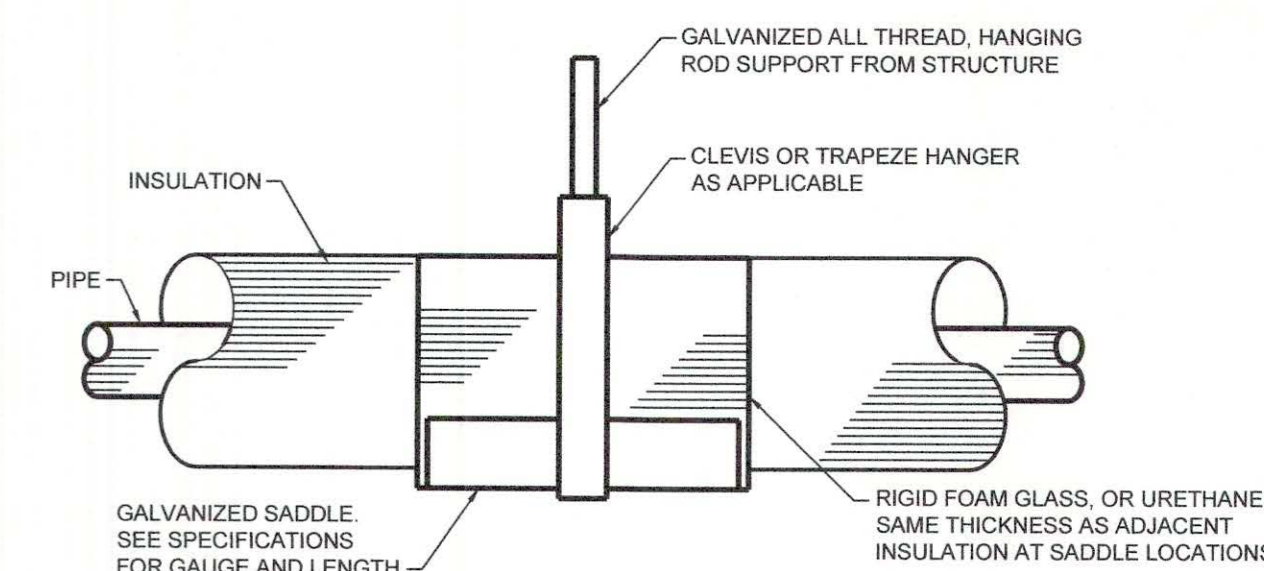


**LABORATORY GAS ALARM WIRING SCHEMATIC**  
N.T.S.

ALARMS REQUIRED  
1. LOW MIXED GAS LINE PRESSURE  
2. HIGH MIXED GAS LINE PRESSURE  
3. RESERVE IN USE  
4. SPARE PAIRS QUANTITY - 2

ALARMS REQUIRED  
1. LOW CARBON DIOXIDE LINE PRESSURE  
2. HIGH CARBON DIOXIDE LINE PRESSURE  
3. RESERVE IN USE  
4. SPARE PAIRS QUANTITY - 2

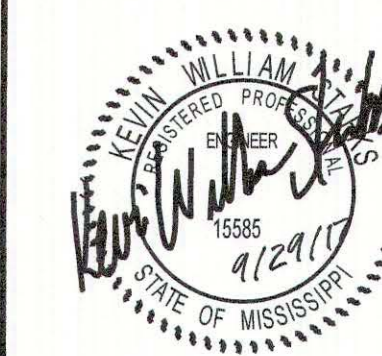
NOTES:  
1. EACH LINE REPRESENTS CONDUIT/WIRE FROM EQUIPMENT TO MEDICAL GAS ALARM PANEL.  
2. EACH MASTER ALARM PANEL SHALL BE WIRED INDIVIDUALLY BACK TO SOURCE EQUIPMENT AS SHOWN.  
3. EACH INDIVIDUAL ALARM REQUIRES ONE PAIR OF WIRES EACH.  
4. SPARES LISTED UNDER ALARMS INDICATES QUANTITY OF EXTRA PAIRS OF WIRES TO BE INSTALLED FOR FUTURE.  
5. ALL WIRING SHALL BE 18 GA. INDIVIDUALLY SHIELDED PAIRS WHICH ARE ALSO SHIELDED ON OVERALL BUNDLE OF PAIRS.  
6. ALL WIRING SHALL BE ROUTED IN CONDUIT PER DIV. 26 REQUIREMENTS.



**HORIZONTAL PIPE INSULATION AND HANGING DETAIL**  
N.T.S.

NOTE: UNINSULATED GAS PIPING SIMILAR

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201 PARK COURT-SUITE A  
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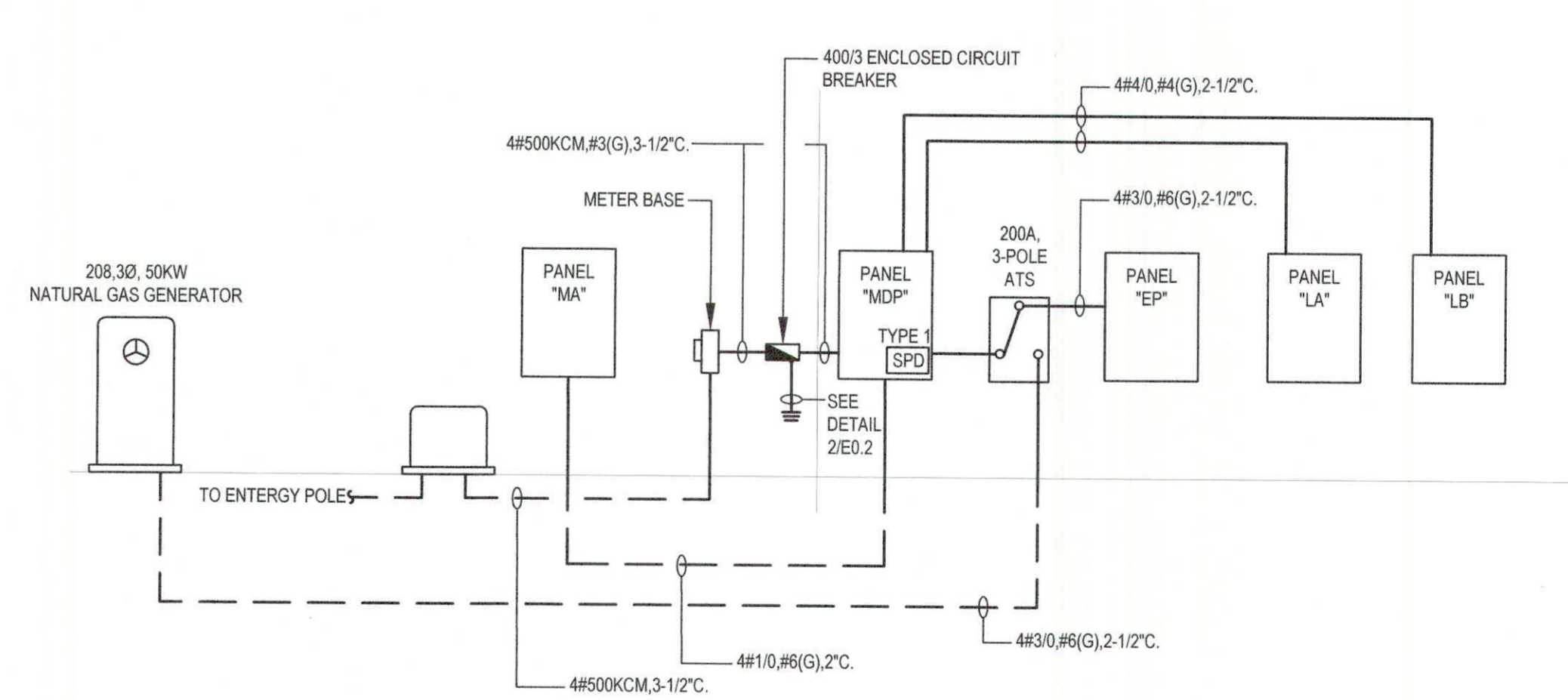
NO.	DESCRIPTION	DATE

## ELECTRICAL LEGEND

GENERAL NOTES	SWITCHES	CONDUIT AND WIRING																												
<p>1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.</p> <p>2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.</p> <p>3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.</p> <p>4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.</p> <p>5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.</p> <p>6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.</p> <p>7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.</p> <p>8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.</p>	<p>§ SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>2P § DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>3 § THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>3 D LED / FLUORESCENT THREE WAY DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>D LED / FLUORESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>M § AUTOMATIC WALL SWITCH. SENSORSWITCH #WSD-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>M D AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. LUTRON #MS-2101 OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>MD PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28" RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-10 OR APPROVED EQUAL.</p> <p>PP POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.</p>	<p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																												
<p><b>LUMINAIRES (See Light Fixture Schedule)</b></p> <p>NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.</p>	<p><b>FIRE ALARM SYSTEM</b></p> <p>MF MANUAL PULL STATION. MOUNT 48"A.F.F. TO CENTERLINE OF BOX.</p> <p>SD SMOKE DETECTOR.</p> <p>DT THERMAL DETECTOR.</p> <p>DS DUCT SMOKE DETECTOR IN RETURN DUCT.</p> <p>DS S DUCT SMOKE DETECTOR IN SUPPLY DUCT.</p> <p>FAC FIRE ALARM CONTROL PANEL.</p> <p>FAN FIRE ALARM ANNUNCIATOR PANEL.</p> <p>FS FLOW SWITCH.</p> <p>TS TAMPER SWITCH.</p> <p>FH FIRE ALARM HORN AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p> <p>FS FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p>	<p><b>VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>&lt; 90'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>&gt; 90'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>&gt; 145'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>&gt; 230'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>&lt; 200'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>&gt; 200'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>&gt; 325'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>&gt; 525'</td> <td>#6</td> </tr> </tbody> </table> <p><b>VOLTAGE DROP CHART NOTES:</b></p> <p>1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.</p> <p>2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.</p> <p>3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.</p>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 90'	#12	120	> 90'	#10	120	> 145'	#8	120	> 230'	#6	277	< 200'	#12	277	> 200'	#10	277	> 325'	#8	277	> 525'	#6	
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<p>2'x2" RECESSED FIXTURE.</p> <p>2'x4" RECESSED FIXTURE.</p> <p>1'x4" RECESSED FIXTURE.</p> <p>2'x2" RECESSED EMERGENCY FIXTURE.</p> <p>2'x4" RECESSED EMERGENCY FIXTURE.</p> <p>1'x4" RECESSED EMERGENCY FIXTURE.</p> <p>2'x2" RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.</p> <p>2'x4" RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.</p> <p>SURFACE MOUNTED OR SUSPENDED FIXTURE.</p> <p>SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.</p> <p>RECESSED CEILING FIXTURE.</p> <p>RECESSED EMERGENCY CEILING FIXTURE.</p> <p>PENDANT MOUNT FIXTURE.</p> <p>CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>EXIT SIGN WITH EMERGENCY LIGHTING.</p> <p>WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>EMERGENCY LIGHTING.</p> <p>WALL MOUNTED FIXTURE.</p> <p>WALL MOUNTED LINEAR FIXTURE.</p> <p>WALL MOUNTED EMERGENCY LINEAR FIXTURE.</p> <p>SITE ARM MOUNT POLE LIGHT FIXTURE.</p> <p>SITE POLE TOP LIGHT FIXTURE.</p> <p>SURFACE MOUNTED TRACK AND TRACK LIGHTING FIXTURE.</p> <p>CEILING FAN.</p> <p>WALLWASH OR SPOT LIGHT FIXTURE.</p> <p>IN-GRADE MOUNTED FIXTURE.</p>	<p><b>RECEPTACLES</b></p> <p>2P ? DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>2P ? DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>2P ? DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER WITH BACKSPASH, AND 6" ABOVE COUNTER WITHOUT BACKSPASH. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.</p> <p>2P ? DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER WITH BACKSPASH, AND 6" ABOVE COUNTER WITHOUT BACKSPASH. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.</p> <p>2P ? DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. PROVIDE PROPER EQUIPMENT FOR CONNECTION TYPE REQUIRED.</p> <p>2P ? SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6" CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.</p> <p>2P ? SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>2P ? DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.</p>	<p><b>COMMUNICATIONS</b></p> <p>◀ COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>◀ COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER WITH BACKSPASH, AND 6" ABOVE COUNTER WITHOUT BACKSPASH.</p> <p>◀ TELEPHONE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>◀ TELEPHONE OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER WITH BACKSPASH, AND 6" ABOVE COUNTER WITHOUT BACKSPASH.</p> <p>◀ DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>◀ DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER WITH BACKSPASH, AND 6" ABOVE COUNTER WITHOUT BACKSPASH.</p> <p>◀ COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>2P ? DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>2P ? DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>TV TELEVISION CABLE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>HDMI HDMI CONNECTION. PROVIDE A SINGLE GANG BOX WITH A 1" C. STUBBED ABOVE ACCESSIBLE CEILING.</p>																												
<p><b>MISCELLANEOUS</b></p> <p>CONTACTOR.</p> <p>PHOTOCELL.</p> <p>CEILING MOUNTED JUNCTION BOX.</p> <p>WALL MOUNTED JUNCTION BOX.</p> <p>FLEXIBLE CONNECTION TO EQUIPMENT.</p>	<p><b>GEAR</b></p> <p>FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).</p> <p>NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.</p> <p>PANELBOARD.</p> <p>LOCAL DISCONNECT PROVIDED WITH EQUIPMENT.</p> <p>LOCAL DISCONNECT PROVIDED WITH EQUIPMENT.</p>																													
<p><b>CCTV SYSTEM</b></p> <p>CEILING MOUNTED CAMERA.</p> <p>WALL MOUNTED CAMERA.</p> <p>INSIDE CORNER MOUNTED CAMERA.</p> <p>OUTSIDE CORNER MOUNTED CAMERA.</p> <p>WALL MOUNTED MONITOR.</p> <p>DESK MOUNTED MONITOR.</p>																														

## LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	2BLT2-40L-ADSM-MVOLT-EZ1 LP840-DGA22	LED, 39W 4,209 LUMENS	RECESSED	WITH DRYWALL GRID ADAPTER
AE	LITHONIA	2BLT2-40L-ADSM-MVOLT-EZ1 LP840-EL14L-DGA22	LED, 39W 4,209 LUMENS	RECESSED	WITH DRYWALL GRID ADAPTER AND 120V EMERGENCY BATTERY PACK.
B	LITHONIA	ZL1N-L48-SMR-3000LM-FST MVOLT-40K-80CRI-WH	LED, 25W 3,243 LUMENS	SURFACE	
BE	LITHONIA	ZL1N-L48-SMR-3000LM-FST MVOLT-40K-80CRI-E7W-WH	LED, 25W 3,243 LUMENS	SURFACE	WITH 120V EMERGENCY BATTERY PACK.
C	LITHONIA	FMVCL-24IN-MVOLT-40K-90CRI-BN	LED - 26W 1,300 LUMENS	SURFACE	
D	LITHONIA	UCEL-36IN-40K-90CRI--WH	LED, 14.8W 1,162 LUMENS	UNDER CABINET	
F	LITHONIA	LDN6-40/10-LW6-AR-LSS-MVOLT-EZ10	LED, 12.75W 1,082 LUMENS	RECESSED	
G	LITHONIA	WL4-40L-EZ1-LP840-MSD7-EL14L	LED, 39.5W 4,124 LUMENS	WALL	WITH 120V EMERGENCY BATTERY PACK.
H1	LITHONIA	LDN6-40/15-L06AR-LSS-MVOLT-EZ10	LED - 20.5W 1,606 LUMENS	RECESSED	
H1E	LITHONIA	LDN6-40/15-L06AR-LSS-MVOLT-EZ10-EL	LED - 20.5W 1,606 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK.
H2	LITHONIA	LDN6-40/15-L06AR-LSS-MVOLT-EZ10-WL	LED - 20.5W 1,606 LUMENS	RECESSED	
J	KENALL	CSEFL14-2-54-DCC-1-DV PAF-H-U	(2) 54W, TSHO	RECESSED	
JE	KENALL	CSEFL14-2-54-DCC-1-DV PAF-H-U-EL	(2) 54W, TSHO	RECESSED	WITH 120V EMERGENCY BATTERY PACK.
K	KENALL	MAUCSL-1--**-48-RS-120	(2) 28W, TS	UNDER CABINET	** COLOR BY ARCHITECT
L	LITHONIA	VTL4-48L-ADP-EZ1-LP840-DGA14	LED - 47W 4,841 LUMENS	RECESSED	1X4 RECESSED FIXTURE WITH FLANGE KIT.
LE	LITHONIA	VTL4-48L-ADP-EZ1-LP840 DGA14-EL14	LED - 47W 4,841 LUMENS	RECESSED	1X4 RECESSED FIXTURE WITH FLANGE KIT. WITH 120V EMERGENCY BATTERY PACK.
M	LITHONIA	LDN6-40/20-L06AR-LSS-MVOLT-EZ10	LED - 35W 2,143 LUMENS	RECESSED	
ME	LITHONIA	LDN6-40/20-L06AR-LSS-MVOLT-EZ10	LED - 35W 2,143 LUMENS	RECESSED	WITH EMERGENCY BATTERY PACK.
N	LITHONIA	ZL1N-L24-SMR-2500LM-FST MVOLT-40K-80CRI-WH	LED, 19W 2,315 LUMENS	SURFACE	
P	RIG-A-LITE	XP-50L-4-2L-U-50	LED - 46W LUMENS	SURFACE	
SA	LITHONIA	DSX1 LED-60C-700-40K-T4M-MVOLT-SPA-HS-DBLXD	LED - 131W 16,238 LUMENS	POLE	POLE: SSS254G
SB	LITHONIA	LDN6-40/10-L06-AR-LS-MVOLT-EZ10-EL	LED, 12.75W 1,082 LUMENS	RECESSED	
SC	LITHONIA	WST LED-P2-40K-VW-MVOLT-E7WH	LED, 25W 3,512 LUMENS	WALL	
SD	FEISS	OL5411BK-LED	LED, 14W 1,000 LUMENS	PENDANT	
X	LITHONIA	LQM-S-W-3-R-120/277-EL N	LED	UNIVERSAL	WITH 120V EMERGENCY BATTERY PACK.
Y	CIRCA LIGHTING	TOB 5011AN-NP	LED - (2)15W 1,850 LUMENS	PENDANT	FINISH - AN LIGHT BULB PART NUMBER: L15A19D2541K
Z	TECH LIGHTING	L-W-S	LED - (2)9W 850 LUMENS	SEMIRECESSED	LIGHT BULB PART NUMBER: L9A19D2541K
AA	CIRCA LIGHTING	BBL-2027BZ-L	LED - 9W 850 LUMENS	WALL	FINISH - PWT LIGHT BULB PART NUMBER: LED5E12B1130K



1  
EO Scale: NONE  
SINGLE LINE DIAGRAM



**WIER BOERNER ALLIN ARCHITECTURE**  
 2727 OLD CANTON RD, SUITE 200  
 JACKSON, MISSISSIPPI 39216  
 P:601.321.9107 F:601.321.9108



**FOUNTAINS DOCTOR'S OFFICE**  
 GENERAL CONTRACTOR:  
**PROBITY**  
 FOUNTAINS BLVD.  
 MADISON, MS 39110

SEPTEMBER 29, 2017  
 CONSTRUCTION DOCUMENTS  
 WBA #: 2217

REVISIONS		
NO.	DESCRIPTION	DATE



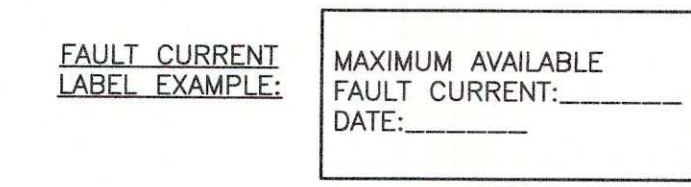
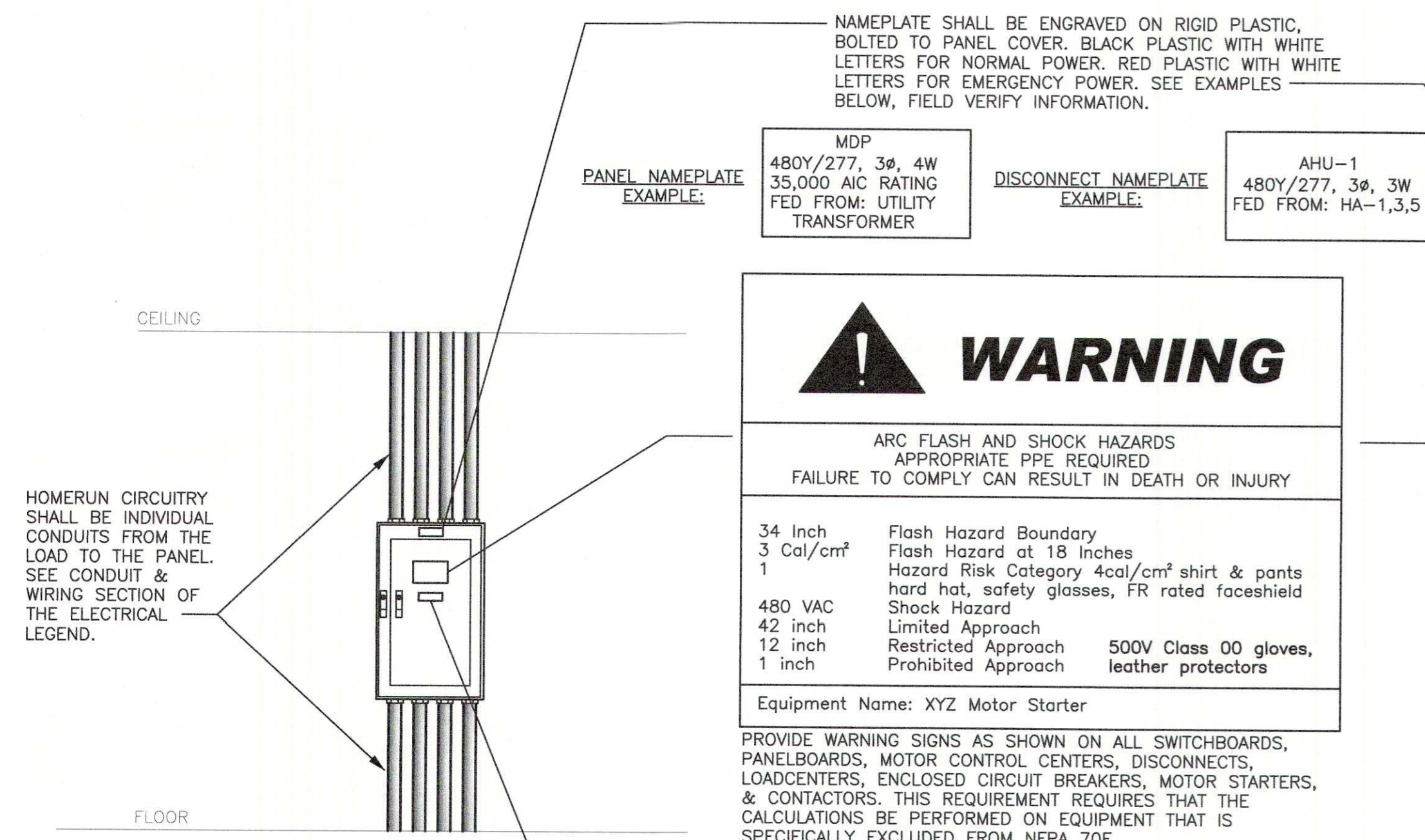
945 MADISON AVE.  
MADISON, MS 39110  
VOICE (601) 605-4820  
FAX (601) 605-4875  
TPS PROJ. # 17105



**FOUNTAINS DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**

FOUNTAINS BLVD.  
MADISON, MS 39110

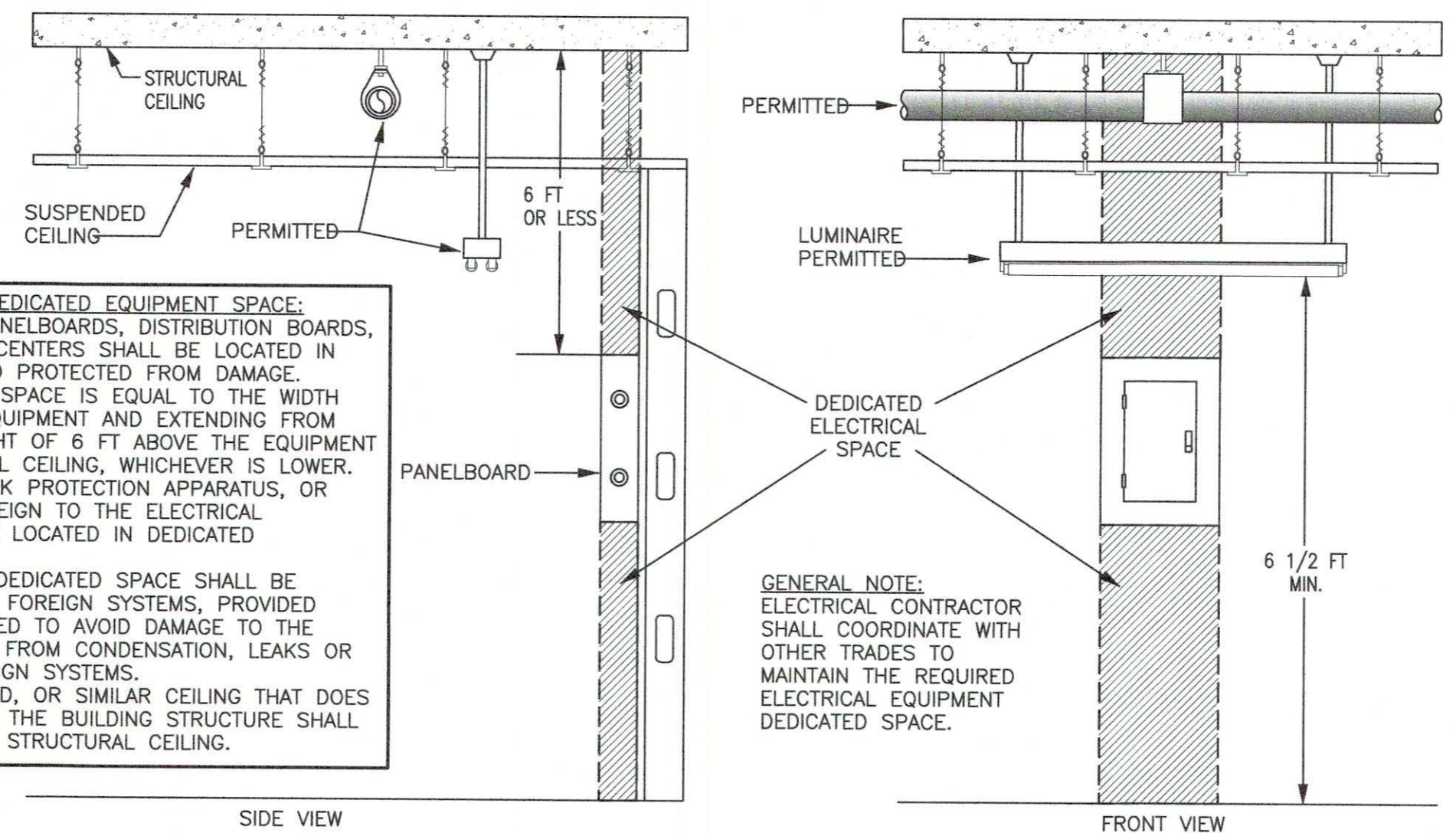


**1**  
E0.1  
Scale: NONE  
**WARNING LABEL DETAIL**

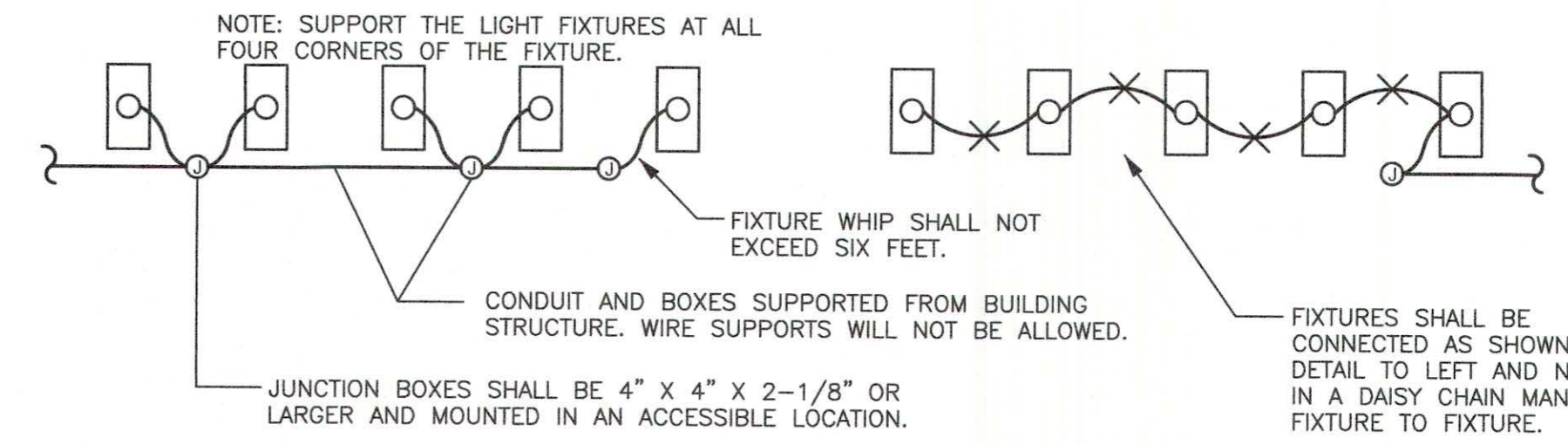
**NOTES:**

- HOMERUN CONDUITS SHALL BE SIZE 3/4" OR LARGER.
- CONDUITS SHALL BE LIMITED TO THREE CURRENT CARRYING CONDUCTORS.
- PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES INSIDE DOOR OF EACH PANELBOARD. EACH CIRCUIT SHALL BE DISTINGUISHED FROM ALL OTHERS.
- PROVIDE A LABEL FOR ALL SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS, PANELBOARDS, AND OTHER SERVICE EQUIPMENT THAT LEGIBLY DISPLAYS THE MAXIMUM AVAILABLE FAULT CURRENT. THE MAXIMUM FAULT CURRENT INFORMATION SHALL BE TAKEN FROM THE ARC FLASH/PROTECTIVE DEVICE COORDINATION STUDY PERFORMED BY THE GEAR MANUFACTURER. THE LABEL SHALL INCLUDE THE DATE THAT THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT OF THE EQUIPMENT.

- NEC REQUIREMENTS FOR DEDICATED EQUIPMENT SPACE:**
- ALL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, AND MOTOR CONTROL CENTERS SHALL BE LOCATED IN DEDICATED SPACES AND PROTECTED FROM DAMAGE.
  - DEDICATED ELECTRICAL SPACE IS EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6 FT ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER.
  - NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN DEDICATED ELECTRICAL SPACE.
  - THE AREA ABOVE THE DEDICATED SPACE SHALL BE PERMITTED TO CONTAIN FOREIGN SYSTEMS, PROVIDED PROTECTION IS INSTALLED TO AVOID DAMAGE TO THE ELECTRICAL EQUIPMENT FROM CONDENSATION, LEAKS OR BREAKS IN SUCH FOREIGN SYSTEMS.
  - A DROPPED, SUSPENDED, OR SIMILAR CEILING THAT DOES NOT ADD STRENGTH TO THE BUILDING STRUCTURE SHALL NOT BE CONSIDERED A STRUCTURAL CEILING.



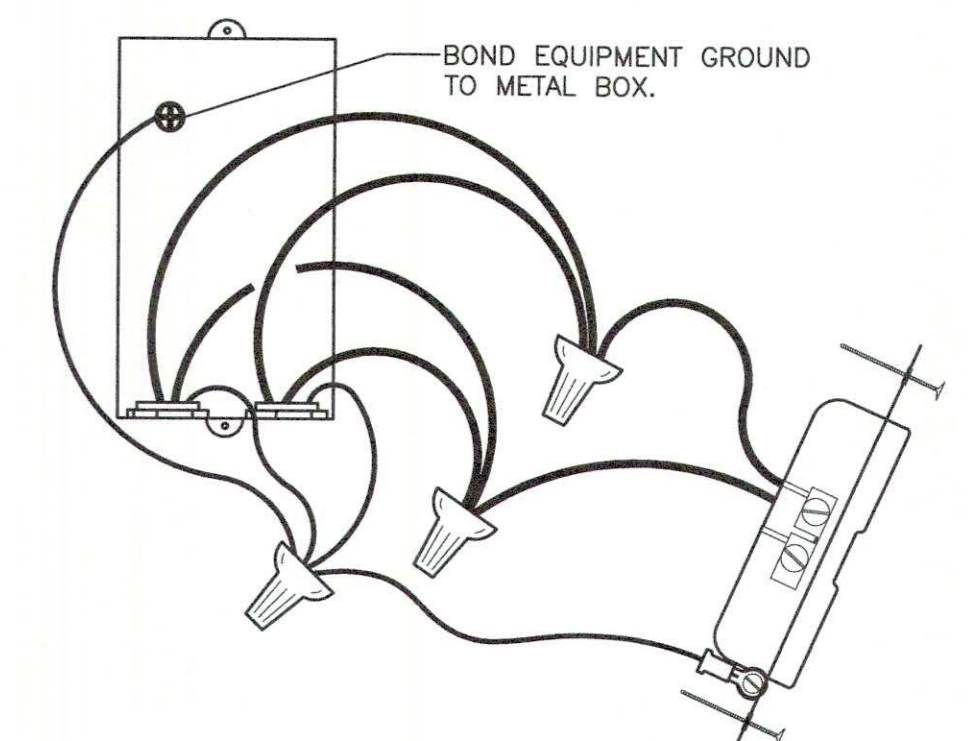
**6**  
E0.1  
Scale: NONE  
**DEDICATED SPACE DETAIL**



**2**  
E0.1  
Scale: NONE  
**FIXTURE CONNECTION DETAIL**

**RECEPTACLE DETAIL NOTES:**

- THESE DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN. COORDINATE WITH THE MILLWORK CONTRACTOR TO DETERMINE THE EXACT LOCATION OF OUTLETS BEING PLACED IN AND AROUND MILLWORK.
- RECEPTACLES SHOWN AS GFI MAY BE NON GFI TYPE RECEPTACLES IF FED FROM A 20/1 GFI BREAKER OR THE LOAD SIDE OF A GFI RECEPTACLE IN THE SAME ROOM, ON THE SAME CIRCUIT AND RATED 20 AMP FEED-THRU CAPACITY. COVER PLATES SHALL BE CLEARLY MARKED GFI.
- NON GFI RECEPTACLES SHALL NOT BE CONNECTED IN A FEED-THRU MANNER. WIRE CONNECTIONS IN RECEPTACLE BOXES SHALL BE MADE IN A PIGTAIL MANNER AS SHOWN IN RECEPTACLE DETAIL.



**3**  
E0.1  
Scale: NONE  
**RECEPTACLE DETAIL**

NO.	DESCRIPTION	DATE

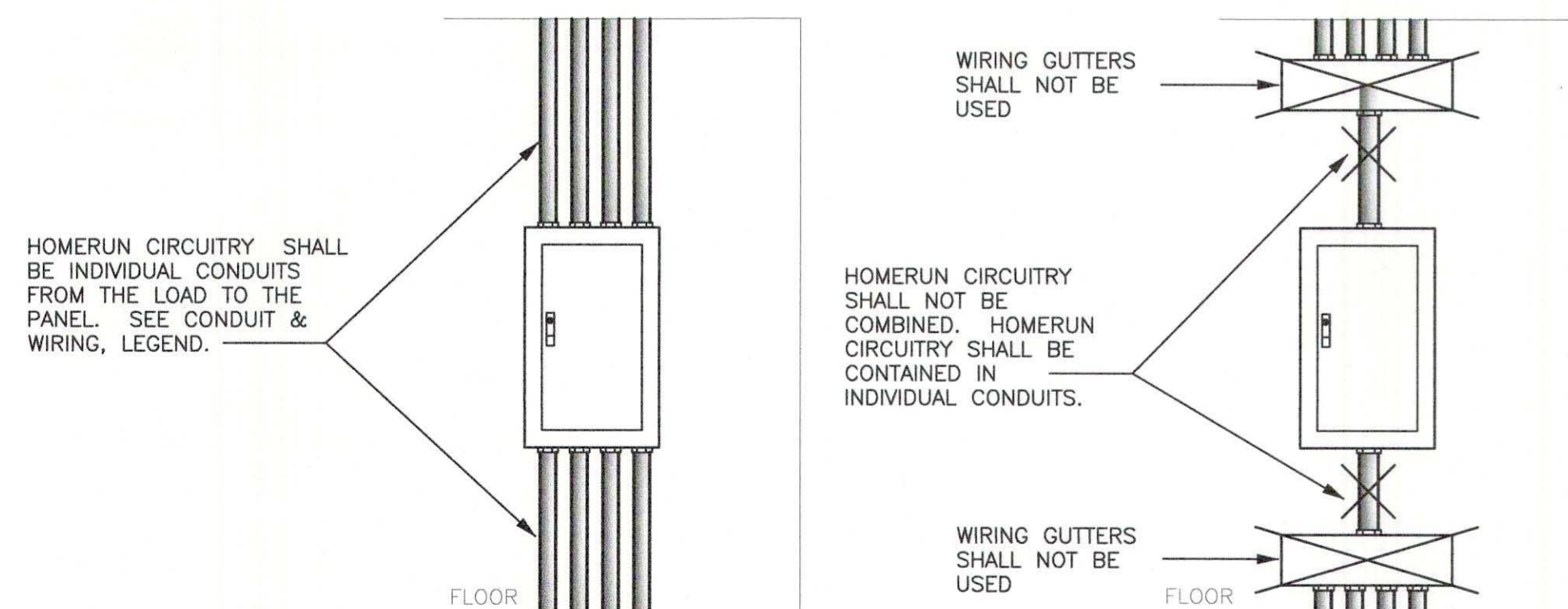
PANEL		LOCATION:	ELECTRICAL ROOM 116	LUG LOCATION:	BOTTOM FEED	UL LISTED FOR SERVICE ENTRANCE				
MDP		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY	PANELBOARD AIC RATING (A): 22,000				
BUS:		BUS:	400A	MOUNTING:	SURFACE					
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO.
				A	B	C		AMPS	POLES	
1	125	3	PANEL "MA"	9.7	13.4		225	3	2	
3	-	-	-				-	-	4	
5	-	-	-				-	-	6	
7	200	3	PANEL "EP"	15.7	7.1		225	3	8	
9	-	-	-				-	-	10	
11	-	-	-				-	-	12	
13	200	3	SPARE	0.0	0.0		225	3	14	
15	-	-	-				-	-	16	
17	-	-	-				-	-	18	
<b>TOTAL</b>				45.9	48.0	44.3				

PANEL		LOCATION:	ELECTRICAL ROOM 116	LUG LOCATION:	BOTTOM FEED	NEMA 3R ENCLOSURE				
MA		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY	PANELBOARD AIC RATING (A): 10,000				
BUS:		BUS:	125A	MOUNTING:	RECESSED					
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO.
				A	B	C		AMPS	POLES	
1	50	2	CU-1	2.7	2.7		50	2	2	
3	-	-	-				-	-	4	
5	40	2	CU-2	2.2	2.2		40	2	6	
9	-	-	-				-	-	8	
11	50	2	CU-3	2.7	1.5		30	3	10	
13	-	-	-				-	-	12	
15	40	2	SPARE	0.0	0.0		50	2	14	
17	-	-	-				-	-	16	
19	50	2	SPARE	0.0	0.0		40	2	18	
21	-	-	-				-	-	20	
23	30	2	SPARE	0.0	0.0		30	2	22	
<b>TOTAL</b>				9.7	9.5	8.5				

PANEL		LOCATION:	ELECTRICAL ROOM 116	LUG LOCATION:	BOTTOM FEED	PANELBOARD AIC RATING (A): 10,000				
LA		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY					
BUS:		BUS:	225A	MOUNTING:	SURFACE					
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO.
				A	B	C		AMPS	POLES	
1	20	1	LTS. (ELEC.OFFICE,STO.DIRTY UTILITY,CONSULT)	1.1	0.2		20	1	2	
3	20	1	LTS. (CORR. VITALS, PHLEBOTOMY)	1.1	0.8		20	1	4	
5	20	1	LTS. (WAITING, RECPT. RR, OFFICE, CONSULT)	0.8	0.7		20	1	6	
7	20	1	LTS. (OFFICE, CONSULT)	0.7	0.4		20	1	8	
9	20	1	LTS. (EXAM RMS, RR)	1.4	0.4		20	1	10	
11	20	1	REC. (WAITING - COFFEE MAKER)			1.0	0.4		12	
13	20	1	REC. (ELEC. DIRTY UTILITY, CORR)	1.4	0.2		20	1	14	
15	20	1	REC. (OFFICE)	1.1	0.2		20	1	16	
17	20	1	REC. (OFFICE)	1.4	0.9		20	1	18	
19	20	1	REC. (DIRTY UTILITY)	0.5	0.7		20	1	20	
21	20	1	REC. (CONSULT, OFFICE)	1.4	0.7		20	1	22	
23	20	1	REC. (STAFF RR, FINANCIAL COUNSELING)	1.1	0.7		20	1	24	
25	20	1	REC. (RECEPTION)	1.1	0.2		20	1	26	
27	20	1	REC. (WAITING)	0.9	0.2		20	1	28	
29	*20	1	REC. DRINKING FOUNTAIN			0.5	0.2		30	
31	*20	1	REC. DRINKING FOUNTAIN	0.5	0.2		20	1	32	
33	20	1	REC. (NURSING OFFICE)	0.4	0.7		20	1	34	
35	20	1	REC. (NURSING OFFICE)	1.0	0.9		20	1	36	
37	20	1	REC. (NURSING OFFICE)	1.0	0.4		20	1	38	
39	20	1	REC. (NURSING OFFICE)	0.7	0.4		20	1	40	
41	20	1	REC. (NURSING OFFICE)			0.7	0.9		42	
43	20	1	REC. (CONSULT, OFFICE)	1.4	2.5		30	2	44	
45	20	1	REC. (OFFICE, CORR)	1.1	2.5		-	-	46	
47	20	1	REC. (CLEAN UTILITY)			1.1	0.0		48	
49	20	1	REC. (COLLECTION, CONF./BREAK, CORR)	0.7	0.2		20	1	50	
51	20	1	REC. (CONFERENCE/BREAK - DISH/WASHER)	1.4	0.2		20	1	52	
53	20	1	REC. (CONFERENCE/BREAK)	0.4	1.7		25	1	54	
<b>TOTAL</b>				13.4	15.4	14.4				

PANEL		LOCATION:	ELECTRICAL ROOM 116	LUG LOCATION:	BOTTOM FEED	PANELBOARD AIC RATING (A): 10,000				
LB		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY					
BUS:		BUS:	225A	MOUNTING:	SURFACE					
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO.
				A	B	C		AMPS	POLES	
1	20	1	MECHANICAL MEZZANINE - WH-01	1.0	0.8		20	1	2	
3	15	1	MECHANICAL MEZZANINE - CP-01	0.5	0.1		20	1	4	
5	20	1	DISPOSAL (BREAK ROOM)	1.7	0.0		20	1	6	
7	15	1	EF-07	0.7	0.0		20	1	8	
9	20	2	EWH-01	1.5	0.0		20	1	10	
11	-	-	-				20	1	12	
13	20	2	DCU-01 & DSS-01	0.0	0.0		20	1	14	
15	-	-	-				20	1	16	
17	20	1	PROVISIONS FOR UV LIGHT ON AHJ-01	0.0	0.0		20	1	18	
19	30	1	F/E-01	1.9	0.0		20	1	20	
21	25	1	F/E-02	1.7	0.0		20	1	22	
23	30	1	F/E-03	1.9	0.0		20	1	24	
25	20	1	F/E-04	1.2	0.0		20	1	26	
27	30	1	F/E-05	1.9	0.0		20	1	28	
29	25	1	F/E-06	1.7	0.0		20	1	30	
31	20	1	DH-01	1.0	0.0		20	1	32	
33	20	1	DH-02	1.0	0.0		20	1	34	
35	20	1	DH-03	1.0	0.0		20	1	36	
37	20	1	DH-04	0.6	0.0		20	1	38	
39	20	1	DH-05	1.0	0.0		20	1	40	
41	20	1	DH-06	1.0	0.0		20	1	42	
43	20	1	SPARE	0.0	0.0		20	1	44	
45	20	1	SPARE	0.0	0.0		20	1	46	
47	20	1	SPARE	0.0	0.0		20	1	48	
49	20	1	SPARE	0.0	0.0		20	1	50	
51	20	1	SPARE	0.0	0.0		20	1	52	
53	20	1	SPARE	0.0	0.0		20	1	54	
<b>TOTAL</b>				7.1	7.6	8.8				

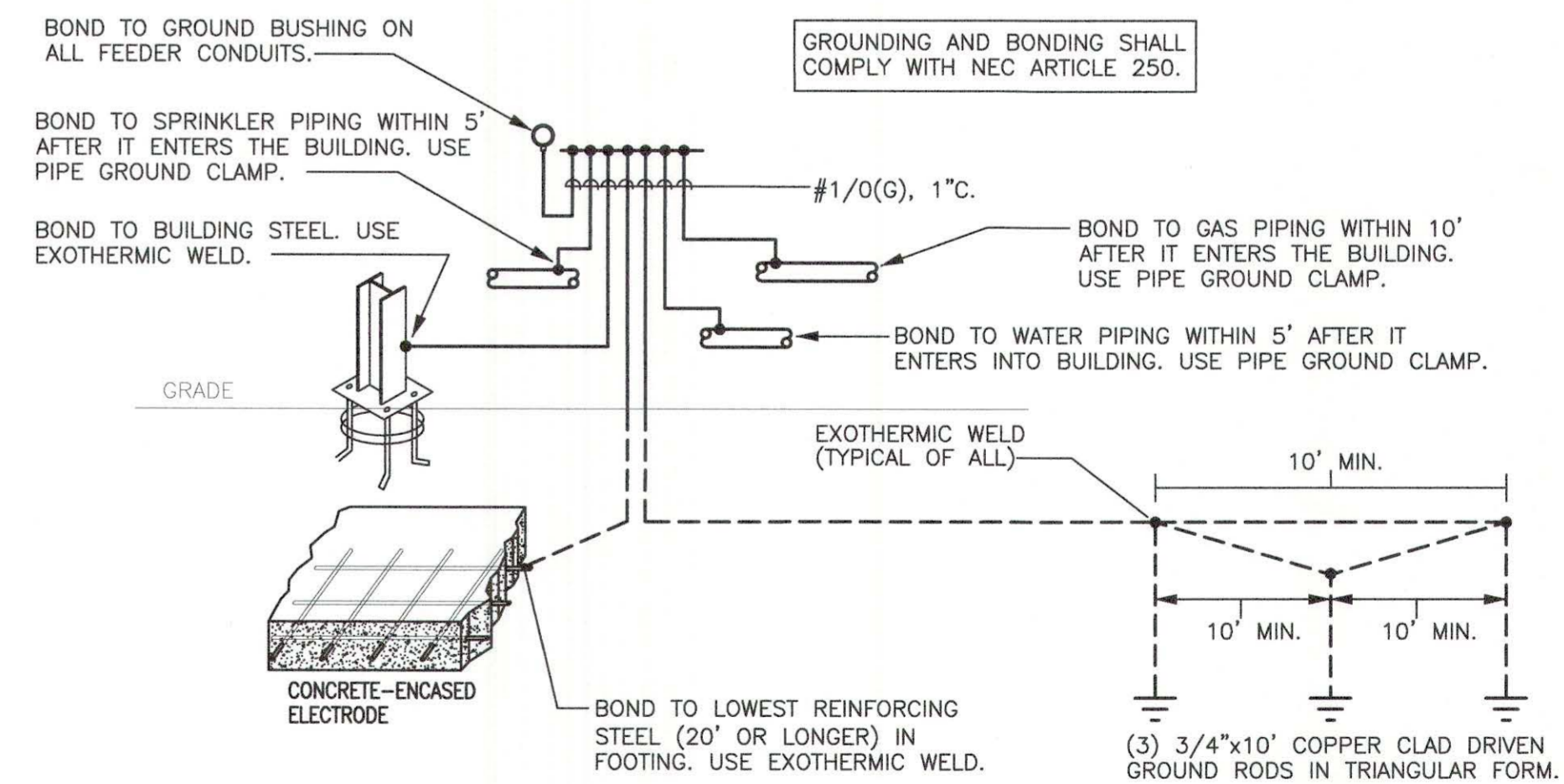
PANEL		LOCATION:	ELECTRICAL ROOM 116	LUG LOCATION:	BOTTOM FEED	PANELBOARD AIC RATING (A): 10,000				
EP		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY					
BUS:		BUS:	200A	MOUNTING:	SURFACE					
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO.
				A	B	C		AMPS	POLES	
1	20	1	MEDICAL GAS ALARM PANEL	0.3	0.3		20	1	2	
3	20	3	AHJ-1	1.9	0.3		20	1	4	
5	-	-	-			1.9	1.7		6	
7	-	-	-	1.9	1.1		20	1	8	
9	20	2	FH-01	1.5	0.1		20	1	10	
11	-	-	-				20	1	12	
13	20	1	SPARE	0.0	0.0		20	1	14	
15	20	1	SPARE	0.0	0.0		20	1	16	
17	25	2	CU-07b	1.4	0.0		20	1	18	
19	-	-	-	1.4	0.5		20	1	20	
21	20	1	SPARE	0.0	0.5		20	1	22	
23	20	1	PROVISIONS FOR UV LIGHT ON AHJ-01	0.5	0.5		20	1	24	
25	20	1	REC. (PRIMARY LAB)	0.4	0.5		20	1	26	
27	20	1	REC. (PRIMARY LAB)	0.4	0.5		20	1	28	
29	20	1	REC. (PRIMARY LAB)	0.4	0.5		20	1	30	
31	20	1	REC. (PRIMARY LAB)	0.4	0.5		20	1	32	
33	20	1	REC. (PRIMARY LAB)	0.4	0.5		20	1	34	
35	20	1	REC. FLOOR BOX (PRIMARY LAB)	0.7	0.5		20	1	36	
37	20	1	REC. (PRIMARY LAB)	0.5	0.5		20	1	38	
39	20	1	REC. (PROCEDURE)	0.5	1.4		25	2	40	
41	20	1	REC. ULTRASOUND (PROCEDURE)	0.5	1.4		-	-	42	
43	100	2	EDH-01	7.5	0.0		20	1	44	
45	-	-	-	7.5	0.0		20	1	46	
47	20	1	FIRE ALARM BELL	0.5	0.0		20	1	48	
49	20	1	SPARE	0.0	0.0		20	1	50	
51	20	1	SPARE	0.0	0.0		20	1	52	
53	20	1	SPARE	0.0	0.0		20	1	54	
<b>TOTAL</b>				15.7	15.5	12.7				



NOTES:

- HOMERUN CONDUITS SHALL BE SIZE 3/4" OR LARGER.
- CONDUITS SHALL BE LIMITED TO THREE CURRENT CARRYING CONDUCTORS

1  
E0.2 HOMERUN DETAIL  
Scale: NONE



2  
E0.2 GROUNDING DETAIL  
Scale: NONE



WIER BOERNER ALLIN ARCHITECTURE

2727 OLD CANTON RD, SUITE 200 JACKSON, MISSISSIPPI 39216

P:601.321.9107 F:601.321.9108



FOUNTAINS DOCTOR'S OFFICE

GENERAL CONTRACTOR: PROBITY

FOUNTAINS BLVD. MADISON, MS 39110

SEPTEMBER 29, 2017

CONSTRUCTION DOCUMENTS

WBA #: 2217

NO.	DESCRIPTION	DATE

E0.2

ELECTRICAL DETAILS

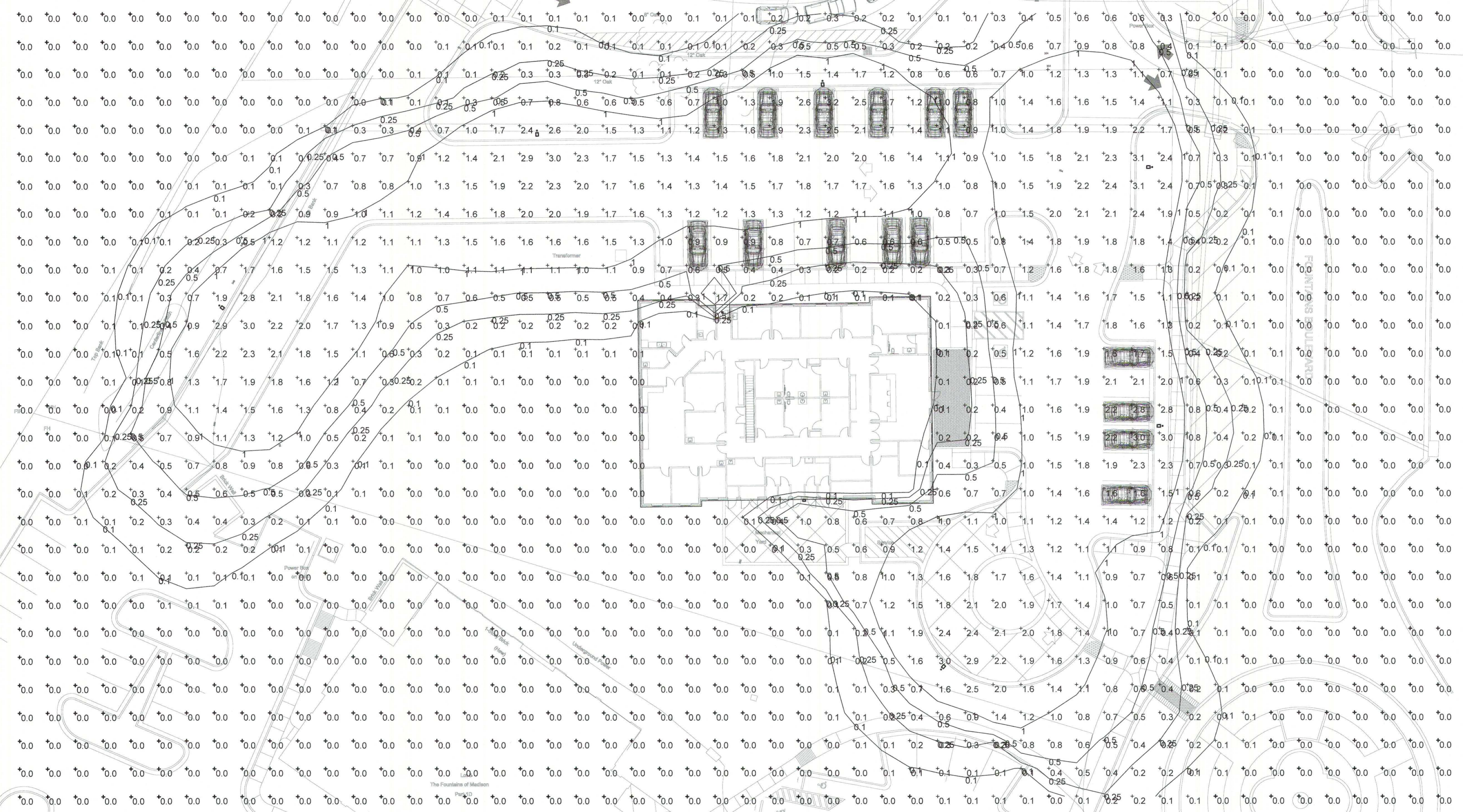




**FOUNTAINS  
DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
PROBITY  
FOUNTAINS BLVD.  
MADISON, MS 39110

EXTERIOR LUMEN SUMMARY (HALFSHELL SITE)			
SITE SIZE IN ACRES:		1.58	
TOTAL LUMENS PER ACRE:		70,000	
TOTAL LUMENS ALLOWED FOR SITE:		110600	
FIXTURE TYPE:	NUMBER OF FIXTURES:	FIXTURE LUMENS:	TOTAL LUMENS OF FIXTURE
FIXTURE SA	6	16,238	97428
FIXTURE SB	1	1,000	1000
FIXTURE SC	1	3512	3512
FIXTURE SD	3	1000	3000
TOTAL LUMENS ON SITE:		101428	



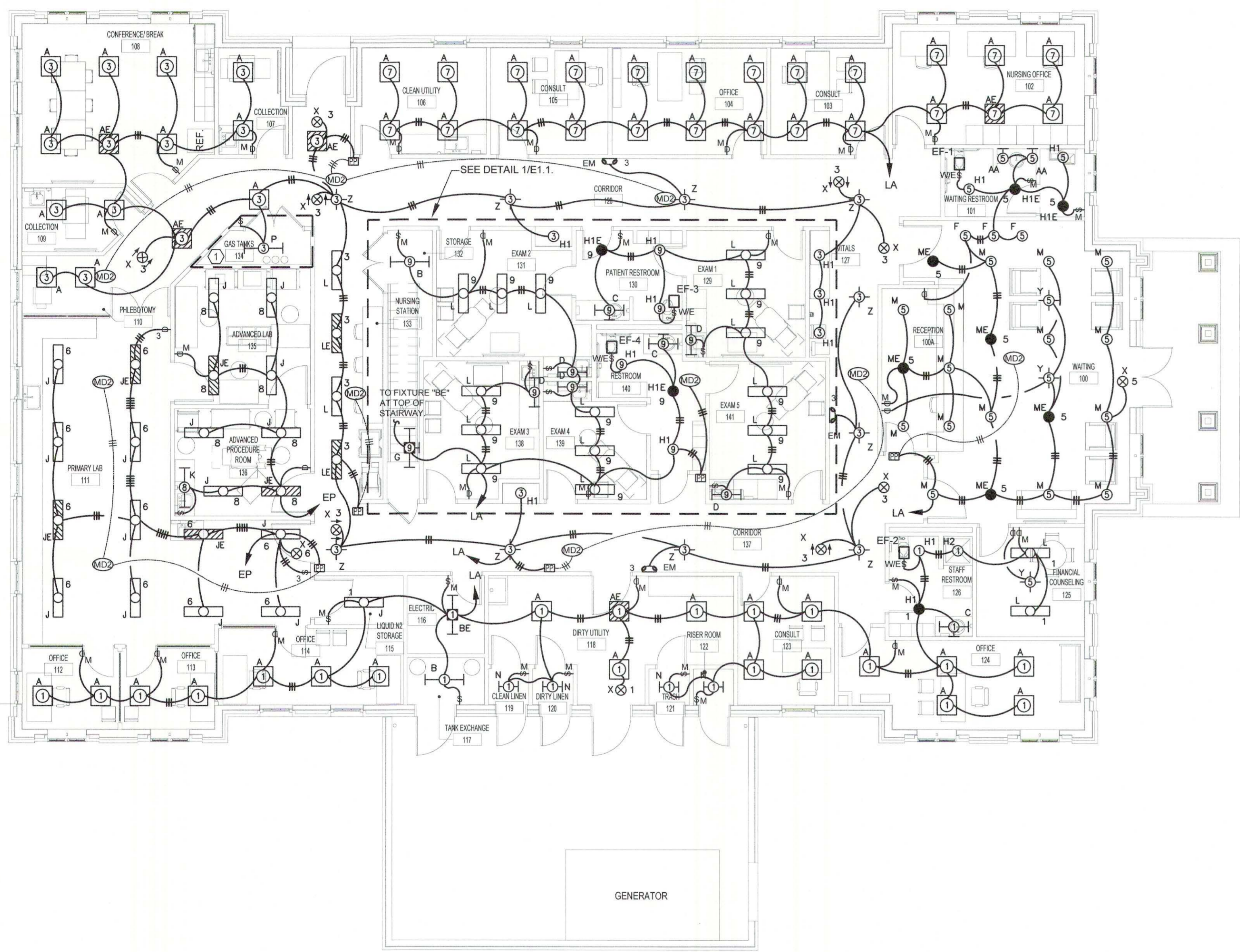
REVISIONS		
NO.	DESCRIPTION	DATE



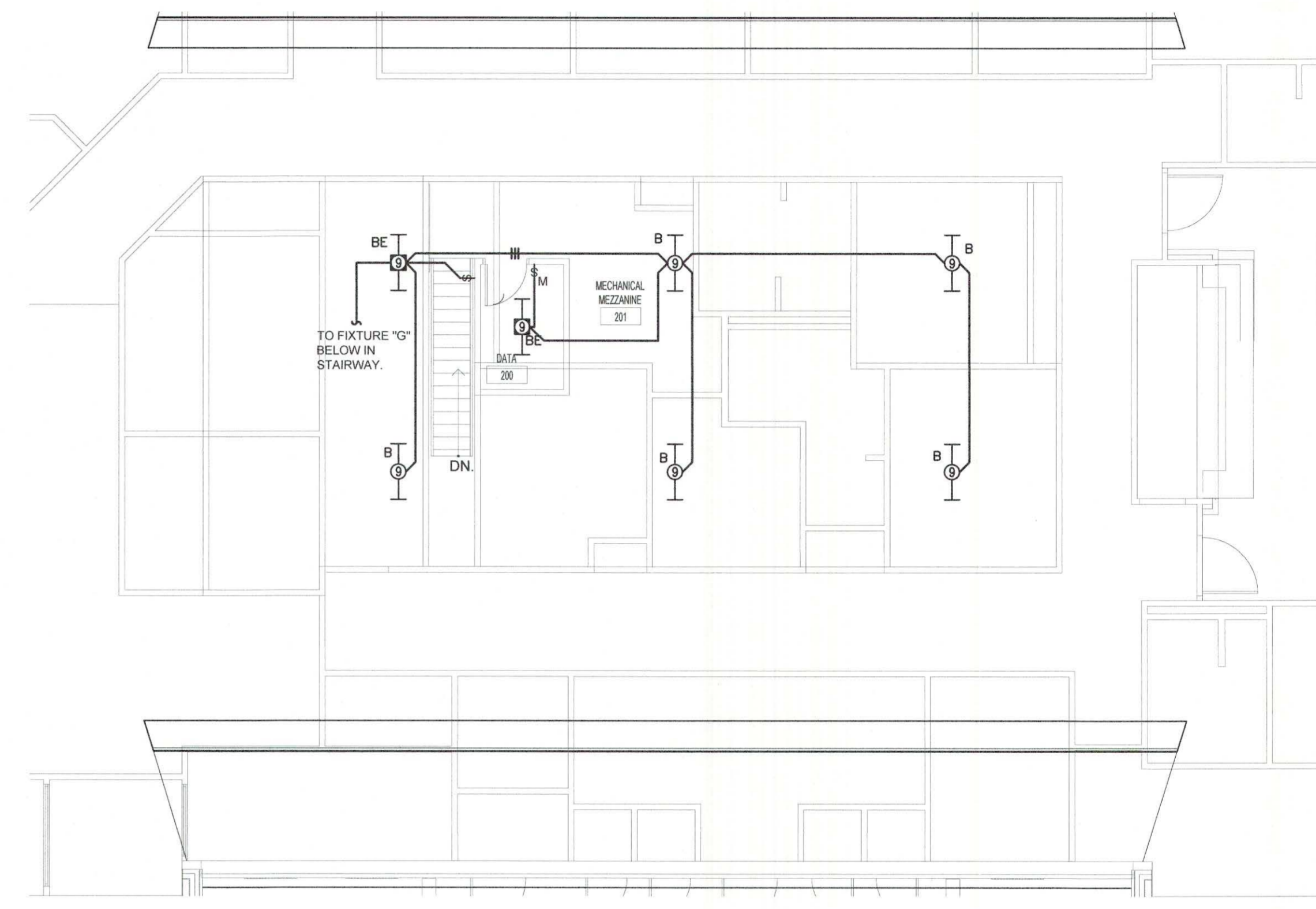
**FOUNTAINS  
DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**  
FOUNTAINS BLVD.  
MADISON, MS 39110

Mark	Description
①	USE GRS CONDUITS AND PROVIDE EXPLOSION PROOF FITTINGS FOR ALL CONNECTIONS IN GAS TANK STORAGE 134.



① LIGHTING PLAN  
E1.0 Scale: 1/8" = 1'-0"



② LIGHTING PLAN - MEZZANINE  
E1.0 Scale: 1/8" = 1'-0"

SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
WBA #: 2217

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945 MADISON AVE.  
MADISON, MS 39110  
VOICE (601) 605-4820  
FAX (601) 605-4875  
TPS PROJ. # 17105



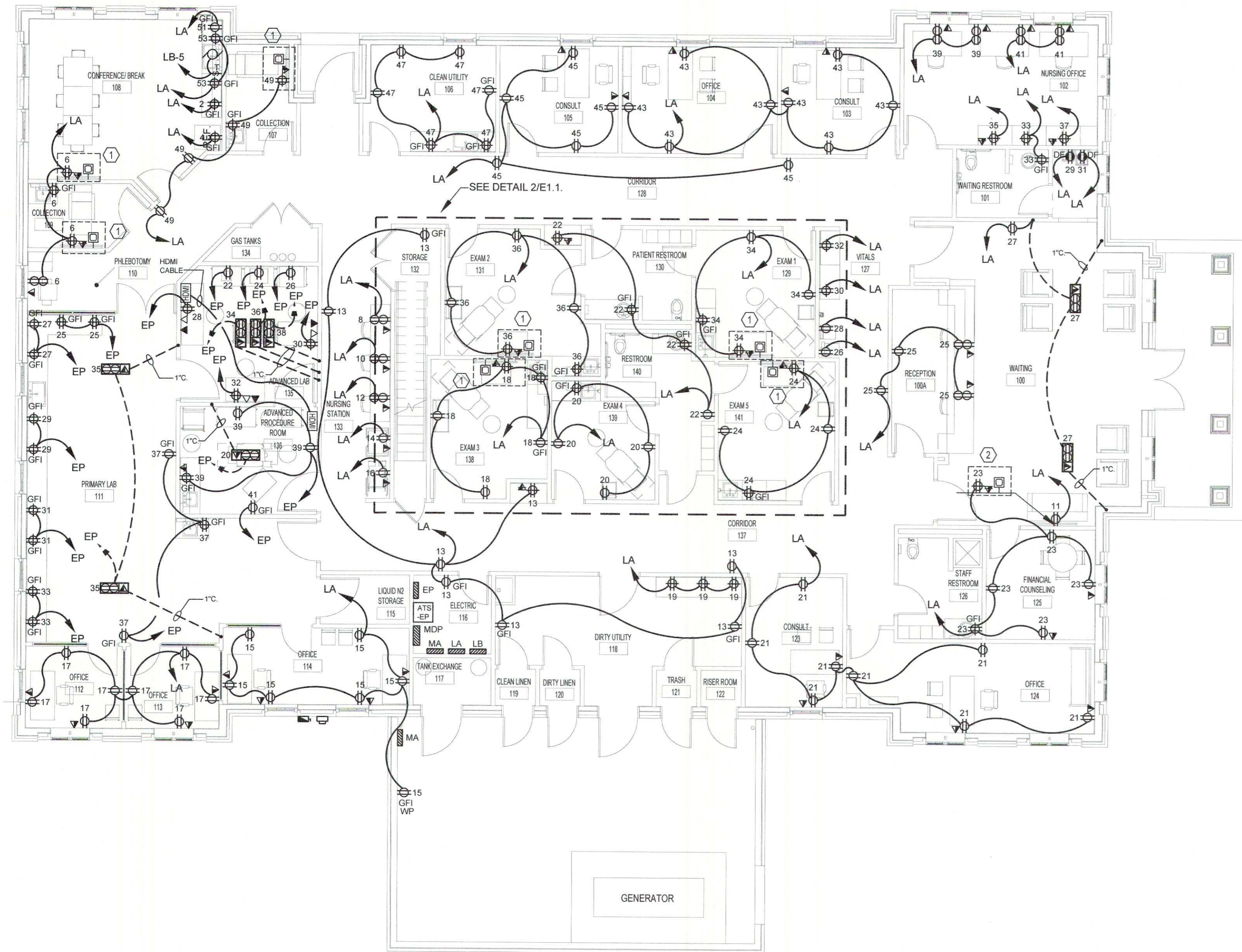
**FOUNTAINS**  
**DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
**PROBITY**

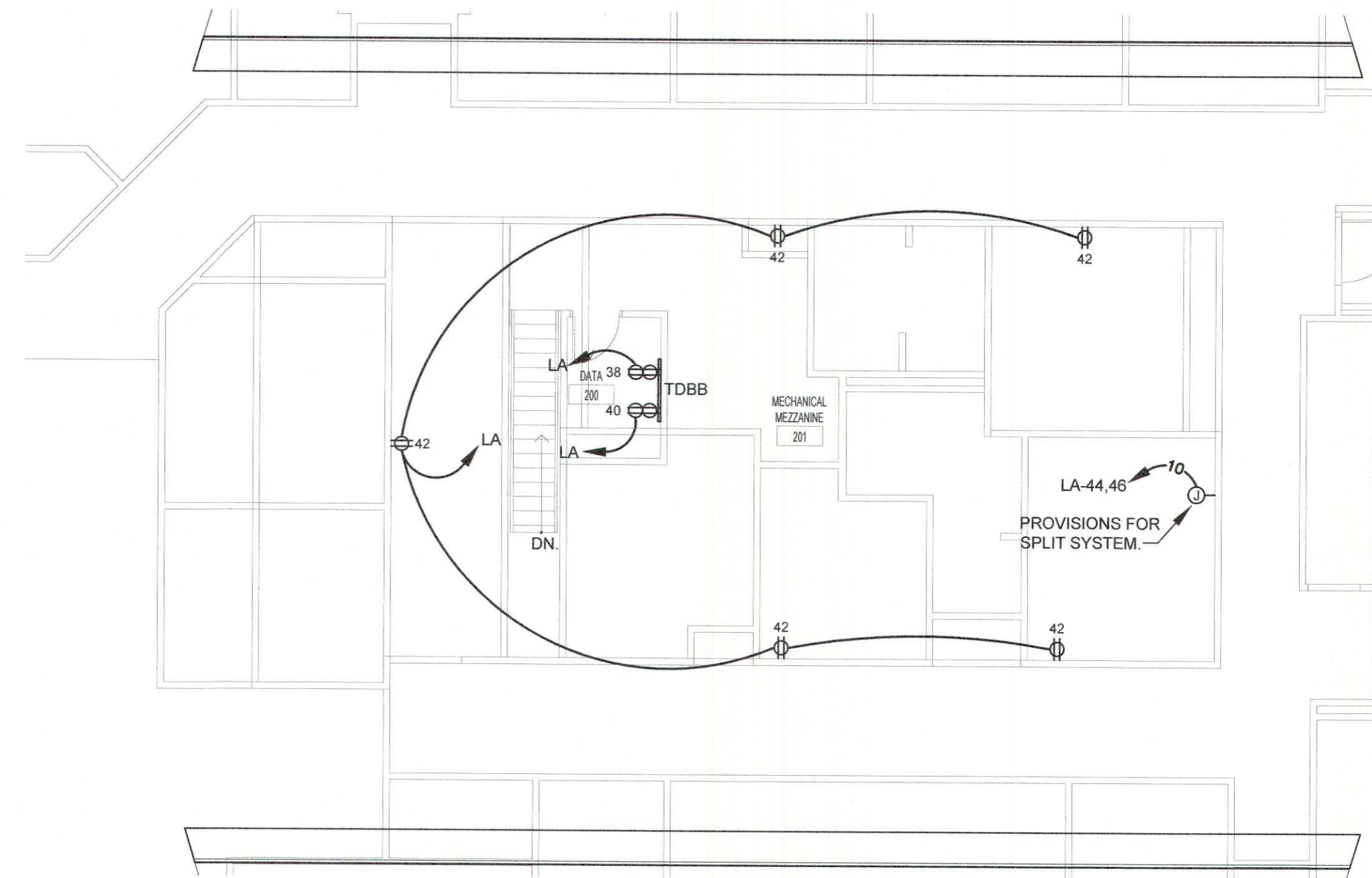
FOUNTAINS BLVD.  
MADISON, MS 39110

GENERAL NOTES	
Mark	Description
A.	INDIVIDUAL UPS FOR LAB EQUIPMENT PROVIDED BY OTHERS.

KEYED NOTES	
Mark	Description
(1)	VERIFY MOUNTING WITH ARCHITECT PRIOR TO ROUGH-IN.
(2)	MOUNT 60" A.F.F.



**1** POWER PLAN  
E2.0 Scale: 1/8" = 1'-0"



**2** POWER PLAN - MEZZANINE  
E2.0 Scale: 1/8" = 1'-0"

SEPTEMBER 29, 2017  
CONSTRUCTION DOCUMENTS  
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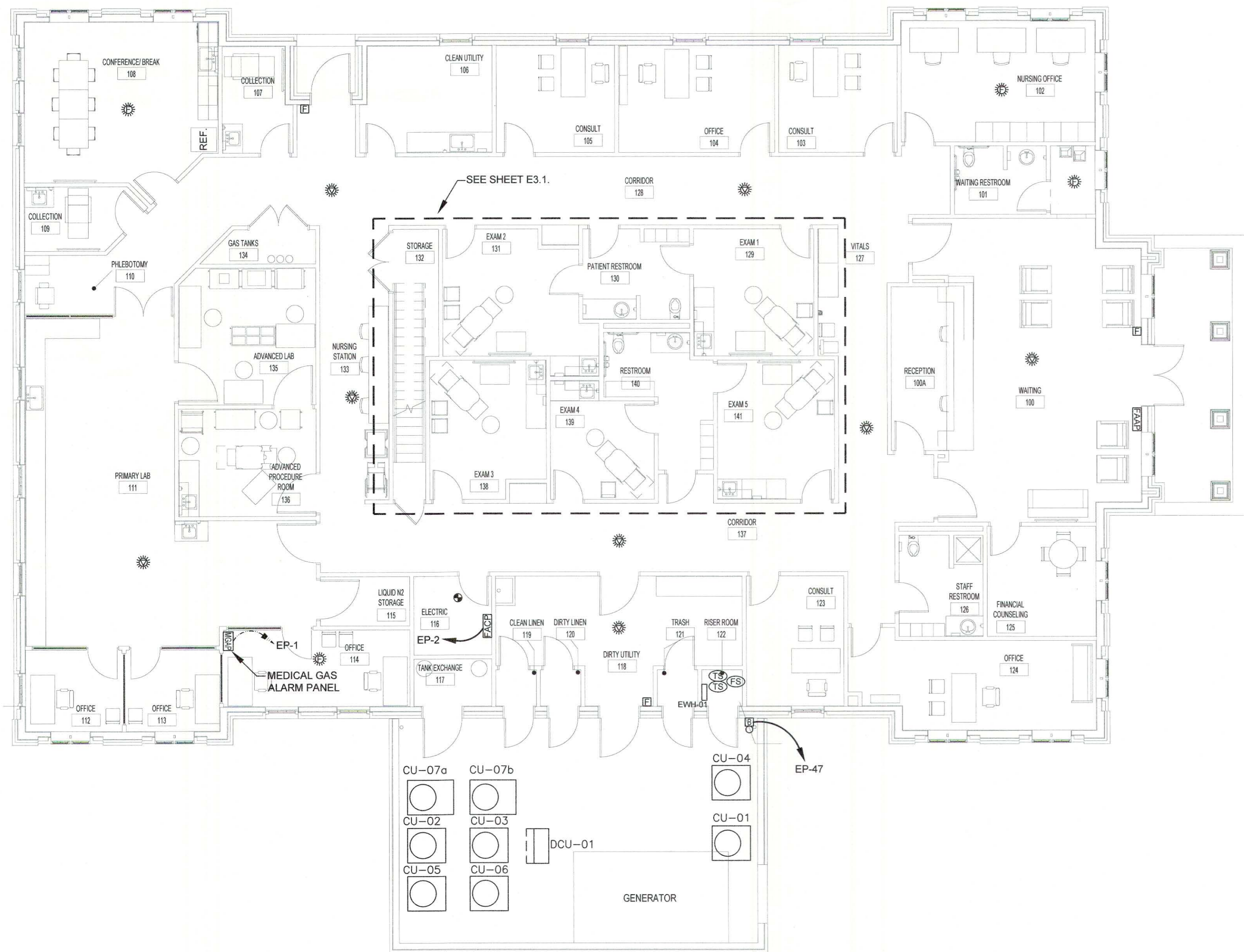
**FOUNTAINS DOCTOR'S OFFICE**

GENERAL CONTRACTOR:  
PROBITY

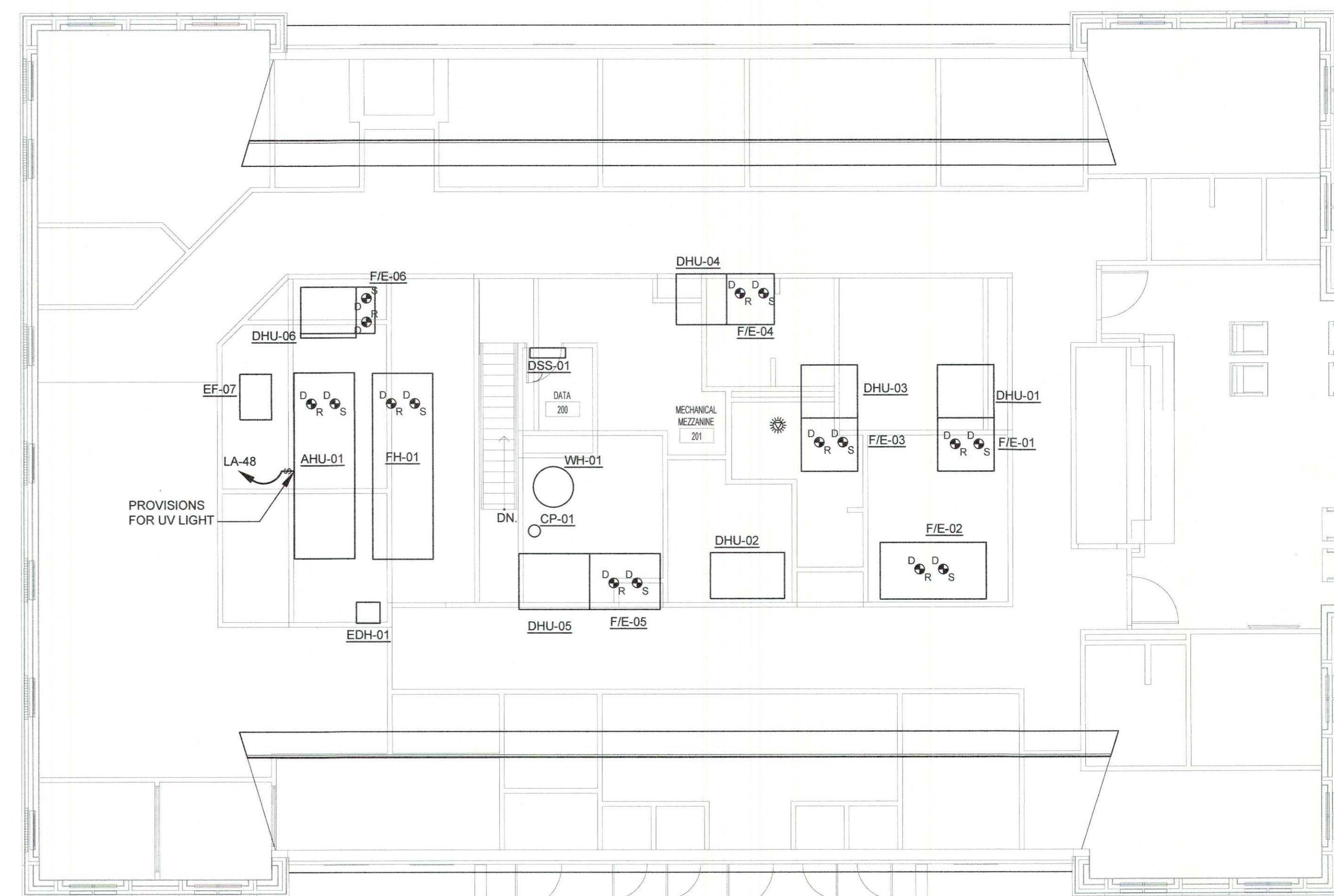
FOUNTAINS BLVD.  
MADISON, MS 39110

MECHANICAL EQUIPMENT CONNECTIONS SCHEDULE					
MARK	VOLTAGE	PANEL	CIRCUITRY	LOCAL DISCONNECT	REMARKS
AHU-01	208V, 3Ø	EP	3#12, #12(G), 1/2"C.	3Ø/3/1	
CU-01	208V, 1Ø	MA	2#6, #10(G), 3/4"C.	6Ø/2/3R	
CU-02	208V, 1Ø	MA	2#10, #10(G), 3/4"C.	3Ø/2/3R	
CU-03	208V, 1Ø	MA	2#6, #10(G), 3/4"C.	6Ø/2/3R	
CU-04	208V, 1Ø	MA	2#12, #12(G), 1/2"C.	3Ø/2/3R	
CU-05	208V, 1Ø	MA	2#6, #10(G), 3/4"C.	6Ø/2/3R	
CU-06	208V, 1Ø	MA	2#10, #10(G), 3/4"C.	3Ø/2/3R	
CU-07a	208V, 1Ø	EP	2#10, #10(G), 3/4"C.	3Ø/2/3R	
CU-07b	208V, 1Ø	EP	2#10, #10(G), 3/4"C.	3Ø/2/3R	
DCU-01	208V, 1Ø	MDP	2#12, #12(G), 1/2"C.	3Ø/2/3R	INTERLOCKED WITH DSS-01
DSS-01	208V, 1Ø	MDP	2#12, #12(G), 1/2"C.	TWO POLE SWITCH (S <sup>2</sup> )	INTERLOCKED WITH DCU-01
F/E-01	120V, 1Ø	LB	2#10, #10(G), 3/4"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
F/E-02	120V, 1Ø	LB	2#10, #10(G), 3/4"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
F/E-03	120V, 1Ø	LB	2#10, #10(G), 3/4"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
F/E-04	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
F/E-05	120V, 1Ø	LB	2#10, #10(G), 3/4"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
F/E-06	120V, 1Ø	LB	2#10, #10(G), 3/4"C.	MOTOR RATED SWITCH (S <sup>1</sup> )	
DH-01	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
DH-02	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
DH-03	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
DH-04	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
DH-05	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
DH-06	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	NEMA 5-20R	
EW+01	208V, 1Ø	MA	2#12, #12(G), 1/2"C.	TWO POLE SWITCH (S <sup>2</sup> )	
EF-01	120V, 1Ø	LA	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH LIGHTS
EF-02	120V, 1Ø	LA	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH LIGHTS
EF-03	120V, 1Ø	LA	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH LIGHTS
EF-04	120V, 1Ø	LA	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH LIGHTS
EF-05	120V, 1Ø	EP	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH AHU-01
EF-06	120V, 1Ø	EP	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH AHU-01
EF-07	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	PROVIDED WITH EQUIPMENT	INTERLOCKED WITH EMS SYSTEM
FH-01	208V, 1Ø	EP	2#12, #12(G), 1/2"C.	TWO POLE SWITCH (S <sup>2</sup> )	INTERLOCKED WITH EMS SYSTEM
EDH-01	208V, 1Ø	EP	2#1, #6(G), 1-1/4"C.	100/2/1	
CP-01	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	3Ø/1/1	
WH-01	120V, 1Ø	LB	2#12, #12(G), 1/2"C.	5-20R	

General Note 1: Prior to submitting electrical equipment brochures, the Contractor shall verify location, actual equipment submittal data and adjust equipment services accordingly.  
Note A: Cord and Plug provided by mechanical contractor and installed by electrical contractor.



**1**  
E3.0 **MECHANICAL/AUXILIARY PLAN**  
Scale: 1/8" = 1'-0"



**2**  
E3.0 **MECHANICAL/AUXILIARY PLAN - MEZZANINE**  
Scale: 1/8" = 1'-0"

SEPTEMBER 29, 2017

CONSTRUCTION DOCUMENTS

WBA #: 2217

REVISIONS		
NO.	DESCRIPTION	DATE

**E3.0**

MECHANICAL/AUXILIARY  
PLAN