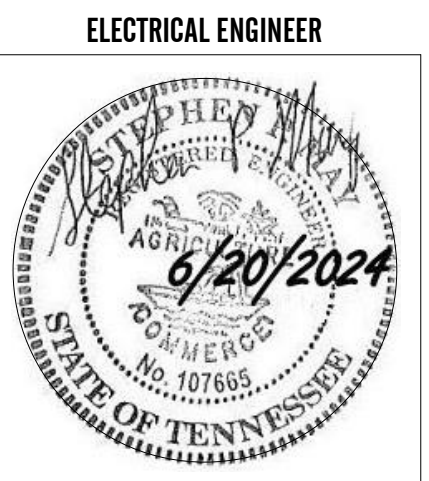
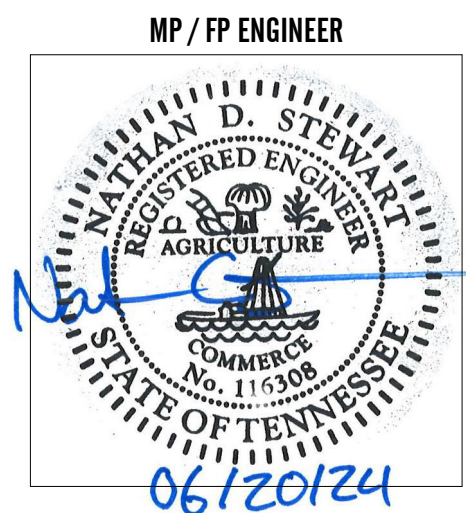
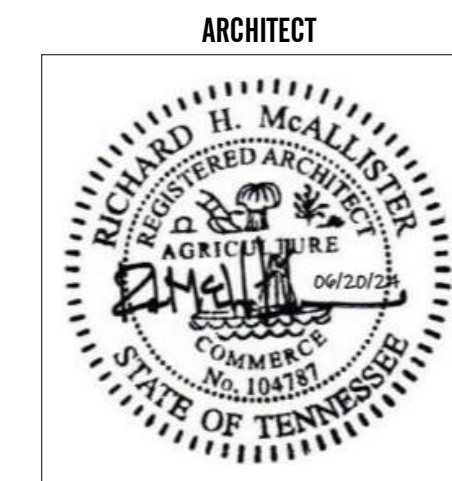


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FAYETTE COUNTY, TN FAYETTE COUNTY HEALTH DEPARTMENT



CONSTRUCTION DOCUMENTS
JUNE 20, 2024
PROJECT NUMBER 23406



90 YUM YUM ROAD
SOMERVILLE, TN 38068

A2H, INC.
3009 DAVIES PLANTATION ROAD
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WWW.A2H.COM

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@	At	MIN	Minimum
ACM	Aluminum Composite Material	MISC	Miscellaneous
ACT	Acoustical Ceiling Tile	M.O.	Masonry Opening
AFF	Above Finish Floor	N.I.C.	Not In Contract
ALUM	Aluminum	N.T.S.	Not To Scale
APPROX	Approximately	O.C.	On Center
ARCH	Architectural	OSB	Oriented Stranded Board
BLDG	Building	O.S.C.I.	Owner Supplied, Contractor Installed
C.J.	Construction / Control Joint	O.S.O.I.	Owner Supplied, Owner Installed
CL	Center Line	OPP.H.	Opposite Hand
CLR	Clear	P.C.	Precast Concrete
CMU	Concrete Masonry Unit	PL	Plate
COL	Column	PLAM	Plastic Laminate
CONC	Concrete	PLWD	Plywood
CONT	Continuous	PNL	Panel
CPT	Carpet	PNT	Paint / Painted
CT	Ceramic Tile	PSF	Pounds Per Square Foot
DIA	Diameter	PSI	Pounds Per Square Inch
DIM	Dimension	PT	Porcelain Tile
DR	Door	PTN	Partition
D.S.	Downspout	QT	Quarry Tile
DWG	Drawing	R / r	Radius
EA	Each	R.A.	Return Air
EAF	Electrical Drinking Fountain	RB	Rubber Base
E.J.	Expansion Joint	RCP	Reflected Ceiling Plan
ELEV	Elevation	RD	Roof Drain
ELEC	Electrical	RE	Refer To
EQ.	Equal	REINF	Reinforcement
EQUIP	Equipment	REQD	Required
EXIST	Existing	REV	Revision / Revised
EXT	Exterior	RM	Room
E.W.	Each Way	R.O.	Rough Opening
FAB	Fabric	SC	Sealed Concrete
FD	Floor Drain	SCHED	Schedule
FE	Fire Extinguisher	SCWD	Solid Core Wood
FEC	Fire Extinguisher Cabinet	SECT	Section
F.F.	Finished Floor	SHT	Sheet
F.F.E.	Finished Floor Elevation	SIM	Similar
FHC	Fire Hose Cabinet	SLD	Solid Surface
FIN	Finish	SPECS	Specifications
FLR	Floor	SS	Stainless Steel
FT	Foot / Feet	STC	Stained Concrete
GA	Gauge	STD	Standard
GALV	Galvanized	ST	Stain / Stained
GB	Gypsum Board	STL	Steel
GYP. BD.	Gypsum Board	STN	Stone
HCWD	Hollow Core Wood	STRUC	Structural
HDW	Hardware	SV	Sheet Vinyl
HM	Hollow Metal	SYM	Symbol
HORIZ	Horizontal	TB	Tackboard
IN	Inch	TEMP	Tempered
INSUL	Insulation	TERR	Terrazzo
INT	Interior	T.O.B.	Top of Beam
JT	Joint	T.O.F.	Top of Footing
K	Kips	T.J.	Tooled Joint
LAT	Lay-in Acoustical Tile	T.O.S.	Top of Steel
LH	Long Leg Horizontal	TRT	Treated
LLV	Long Leg Vertical	TYP	Typical
LT	Light	U.N.O.	Unless Noted Otherwise
LVT	Luxury Vinyl Tile	VCT	Vinyl Composition Tile
MAS	Masonry	VERT	Vertical
MATL	Material	VNT	Vinyl Wall Covering
MAX	Maximum	VTR	Vent Through Roof
MECH	Mechanical	W/	With
MEMB	Membrane	WB	Wall Base
MEZZ	Mezzanine	WD	Wood
MTL	Metal	WDW	Window
MFR	Manufacturer	WG	Wire Glass
MID	Middle	W/O	Without

CONTRACT DOCUMENTS

- THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY A2H PROJECT MANAGER.

GENERAL

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCE AND ACCEPTED INDUSTRY STANDARDS. REFER TO LIFE SAFETY PLAN AND BUILDING CODE DATA FOR MORE INFORMATION.
- THE CONTRACTOR SHALL ABIDE BY THE INTERNATIONAL BUILDING CODE CHAPTER 33 - SAFEGUARDS DURING CONSTRUCTION.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, NOTIFY THE A2H PROJECT MANAGER.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS AND DIMENSIONS. IN THE EVENT OF ENCOUNTERING ANY CONFLICT BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, A2H PROJECT MANAGER SHALL BE NOTIFIED IMMEDIATELY.
- USE MOISTURE RESISTANT BOARD AT ALL WALLS WITH PLUMBING FIXTURES U.N.O.
- ALL GYPSUM BOARD ABUTTING OTHER MATERIALS IS TO BE FINISHED WITH METAL EDGES AND CAULKED OR FIRE STOPPED AS REQUIRED.
- ALL INTERIOR PARTITIONS SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE AS SHOWN ON WALL SECTIONS AND DETAILS U.N.O. THE EXTENT AND LOCATIONS OF RATED PARTITIONS AND SMOKE PARTITIONS ARE SHOWN ON THE FLOOR PLAN.
- ELECTRICAL PANELS, FIRE HOSE CABINETS, AND RECESSED OBJECTS OVER 16 SQUARE INCHES, IN FIRE RATED WALLS, ARE TO BE WRAPPED IN GYPSUM BOARD OR OTHER FIRESTOPPING MATERIAL TO MAINTAIN THE WALL RATING.
- PROVIDE ANCHORAGE, BLOCKING, BACKING AND FRAMING FOR EQUIPMENT, FIXTURES, RAILING, CASEWORK, TOILET PARTITIONS, TOILET ACCESSORIES, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
- THE DRYWALL SYSTEM IS BASED ON DETAILS OF THE U.S. GYPSUM COMPANY.

LIFE SAFETY

- ALL FIRE RATED PARTITIONS SHALL EXTEND TO UNDERSIDE OF FLOOR DECK / ROOF DECK. SEAL PERIMETER AND PENETRATIONS PER CODES.
- PROVIDE FIREBLOCKING AND DRAFTSTOPPING IN CONCEALED SPACES PER APPLICABLE CODES.
- FURNISH AND INSTALL MANUAL FIRE EXTINGUISHERS PER LOCAL CODES. REFER TO DRAWINGS AND SPECIFICATIONS.

FLOOR PLAN

- ALL DIMENSIONS FOR EXTERIOR WALLS ARE TO EDGE OF SLAB AND/OR EXTERIOR FACE OF STUD OR EXTERIOR FACE OF FINISH VENEER (MASONRY OR CONCRETE) U.N.O.
- ALL DIMENSIONS FOR INTERIOR PARTITIONS ARE TO FINISH FACE OF WALL U.N.O.
- DIMENSIONS FOR SINGLE DOORS ARE TO OUTSIDE FACE OF FRAME U.N.O.
- DIMENSIONS FOR DOUBLE DOORS ARE TO OUTSIDE FACE OF FRAME OR DOOR CENTERLINE U.N.O. REFER TO DOOR SCHEDULE.
- DOOR FRAMES SHALL BE LOCATED 4" FROM CORNERS (8" FOR C.M.U.
- DIMENSIONS FOR WINDOW ARE TO CENTERLINE OF UNIT OR TO ROUGH OPENING FACE U.N.O. REFER TO WINDOW SCHEDULE.

THERMAL ENVELOPE

- PROVIDE A CONTINUOUS THERMAL ENVELOPE INCLUDING WALL STRUCTURE, SHEATHING AND INSULATION. WALL ASSEMBLY INSULATION TO OVERLAP AND/OR SURPASS ROOF INSULATION. INSULATION AND RELATED THERMAL BARRIER COMPONENTS MAY NOT BE SHOWN IN DRAWINGS FOR CLARITY.

WALL PARTITIONS

- PARTITION TYPES INDICATED ARE CONTINUOUS TO A CORNER OR AN INTERSECTING PARTITION, UNLESS INDICATED OTHERWISE. WHERE PARTITIONS OF DIFFERENT THICKNESSES MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS NOTED OTHERWISE.
- EDGES OF GYPSUM WALL BOARD LEFT EXPOSED TO VIEW OR ABUTTING DISSIMILAR MATERIALS ARE TO BE FINISHED WITH METAL BEAD TRIM AND JOINT COMPOUND, U.N.O. DRYWALL ADHESIVES WILL NOT BE ALLOWED TO BE USED TO ADHERE THE CORNER BEADS, UNLESS USED IN CONJUNCTION WITH PERMANENT MECHANICAL FASTENERS.
- SOUND ATTENUATION BATTS (SAB) ARE TO BE PLACED IN ALL NEW PARTITIONS AND IN EXISTING PARTITIONS ADJACENT TO RENOVATED AREAS OR AREAS AFFECTED BY RENOVATION.
- PROVIDE SINGLE 20 GAUGE 3 5/8" METAL STUD AT EACH DOOR JAMB FOR OPENINGS UP TO 3'-0" WIDE. PROVIDE DOUBLE 20 GAUGE STUDS AT EACH DOOR JAMB FOR OPENINGS OVER 3'-0" WIDE.

ACOUSTICAL NOTES

- PROVIDE RESILIENT SEALANT BOTH SIDES OF PARTITIONS AROUND THE PERIMETER.
- REMOVE ALL DEBRIS AT THE FLOOR AND BROOM SWEEP CLEAN BEFORE SETTING TRACK.
- USE A MINIMUM OF 3 BEADS OF RESILIENT SEALANT (1/4" THICK MIN.) AT THE FLOOR, ONE UNDER THE TRACK, AND ONE BEAD BOTH SIDES AT GYPSUM BOARD.
- USE BACKER ROD TO CLOSE OFF OPENINGS GREATER THAN 1/4" PRIOR TO APPLICATION OF RESILIENT SEALANT.
- PLACE OUTLET BOXES IN SEPARATE STUD SPACES. THIS INCLUDES ELECTRICAL OUTLETS, LIGHT SWITCHES, AUDIO, DATA, AND TELEPHONE OUTLET BOXES. PROVIDE STI SERIES SSP PUTTY PADS OR EQUAL BEHIND ALL BOXES.
- SEAL ALL ELECTRICAL BOXES TO THEIR GYPSUM BOARD CUT-OUT WITH RESILIENT SEALANT.
- PIPES RUNNING THROUGH WALLS SHALL NOT MAKE RIGID CONTACT WITH GYPSUM BOARD OR STUDS.
- PROVIDE HANGERS TO SUPPORT PIPE. DO NOT CARRY PIPE WEIGHT ON PARTITIONS. CENTER PIPE IN PARTITION OPENING.
- USE GYPSUM BOARD FILLER PIECES TO CLOSE OFF LARGE OPENINGS AROUND PIPES. REPAIR, TAPE, AND MUD WALL AND PROVIDE TIGHT FIT AROUND PIPE TO ALLOW FOR BACKER ROD AND RESILIENT SEALANT.
- SEAL PENETRATIONS WITH RESILIENT SEALANT TO CLOSE GAPS. USE FIRE RATED SEALANT AT RATED PARTITIONS.

FINISHES / ROOM SCHEDULE

- ROOM NET AREA AND PERIMETER LENGTH SHOWN IN SCHEDULE(S) IS FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO VERIFY QUANTITIES.

B1 ABBREVIATIONS

No Scale

	CONCRETE		METAL - ALUMINUM
	EARTH		METAL - STEEL
	E.I.F.S. - EPS		STONE
	GYPSUM BOARD		WOOD - FINISH CARPENTRY
	INSULATION - BATT		WOOD - OSB
	INSULATION - RIGID		WOOD - PLYWOOD
	INSULATION - SPRAYED		WOOD - ROUGH FRAMING
	MASONRY - BRICK		WOOD - SHIM

C1 ARCHITECTURAL MATERIALS LEGEND

12" = 1'-0"

	DETAIL REFERENCE		ROOM TAG
A1	DETAIL NUMBER	101	ROOM NAME
A4.1	SHEET NUMBER		ROOM NUMBER
	SECTION REFERENCE		DOOR TAG
A1	DETAIL NUMBER	F 101A	DOOR NUMBER
A3.1	SHEET NUMBER		PANEL TYPE
	EXT. / INT. ELEVATION		WINDOW TAG
A2.1	SHEET NUMBER	A	
A1	DETAIL NUMBER		WALL TAG
		P1 4 [b]	CORE INSULATION
			HEIGHT DESIGNATION
			WALL TYPE
	LEVEL INDICATOR		SPOT ELEVATION
14'-0"		0'-0"	

D1 SYMBOLS LEGEND

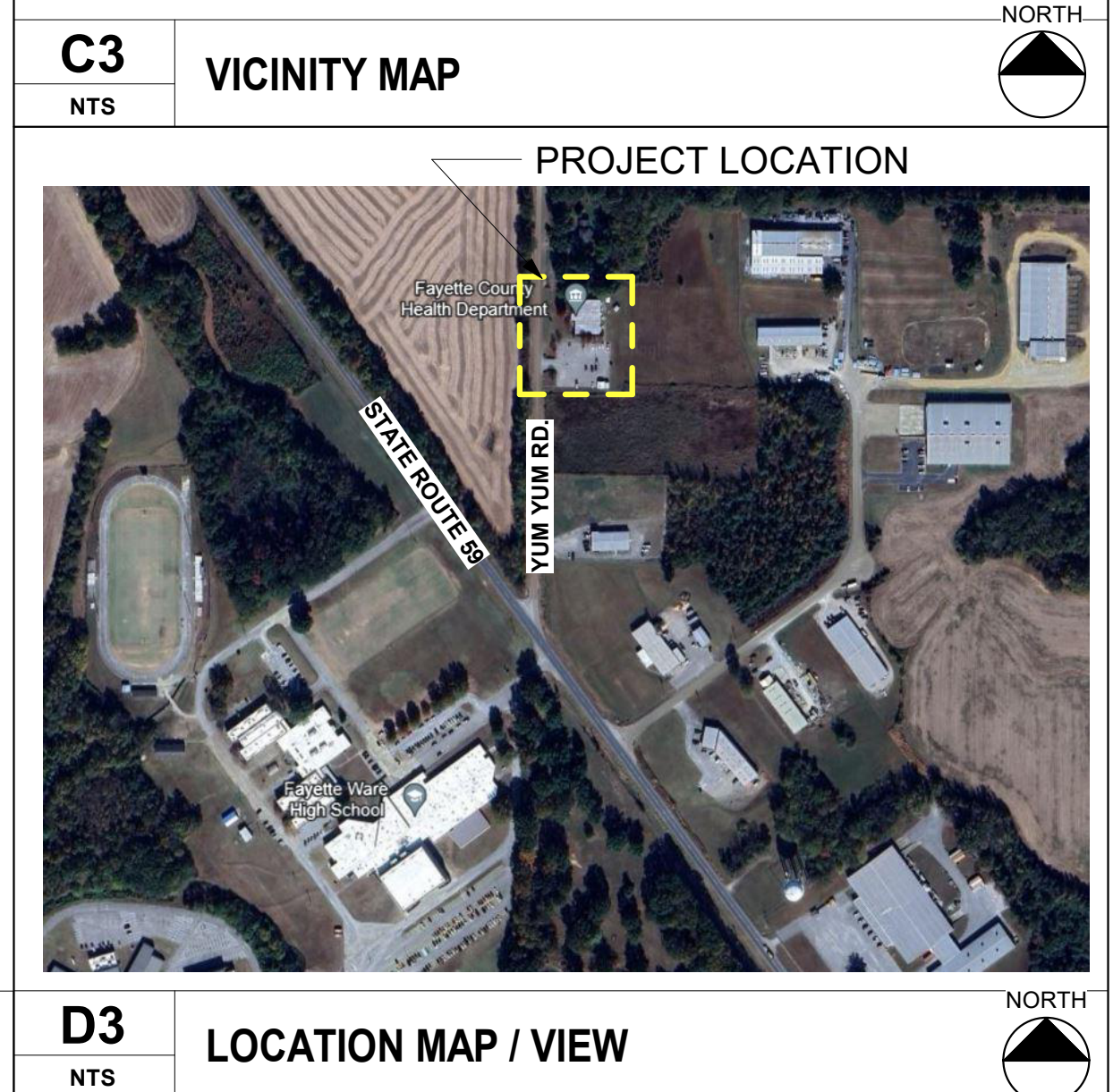
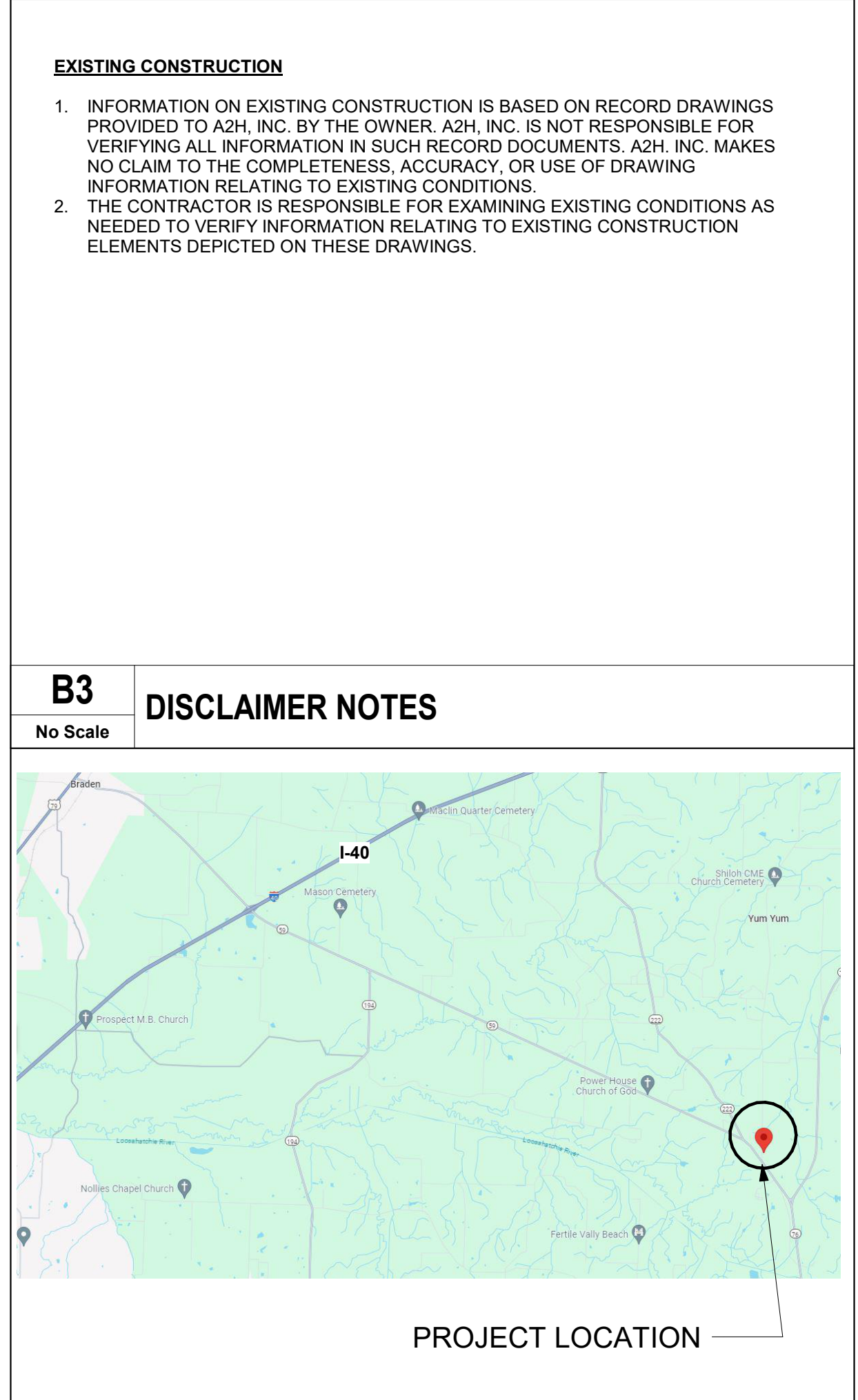
1/4" = 1'-0"

D2 GENERAL NOTES

No Scale

B3 DISCLAIMER NOTES

No Scale



D3 LOCATION MAP / VIEW

NTS

GENERAL

SHEET NUMBER	SHEET NAME
G0.0	COVER SHEET
G0.1	PROJECT DATA AND NOTES
G0.2	LIFE SAFETY PLAN

ARCHITECTURAL

SHEET NUMBER	SHEET NAME
A0.1	FLOOR PLAN - EXISTING / DEMOLITION
A1.0	FLOOR PLAN - NOTED
A1.1	FLOOR PLAN - DIMENSIONED
A7.1	FINISH DETAILS
A7.2	FINISH PLAN AND SCHEDULES
A7.3	INTERIOR ELEVATIONS
A7.4	INTERIOR ELEVATIONS
A7.5	INTERIOR SECTIONS AND DETAILS
A7.6	INTERIOR SECTIONS AND DETAILS
A8.1	REFLECTED CEILING PLAN

MECHANICAL

SHEET NUMBER	SHEET NAME
M0.1	HVAC FLOOR PLAN - DEMOLITION
M1.1	HVAC FLOOR PLAN
M2.1	HVAC SCHEDULES & DETAILS

PLUMBING

SHEET NUMBER	SHEET NAME
P1.0	PLUMBING FLOOR PLAN - DEMOLITION
P1.1	PLUMBING FLOOR PLAN

ELECTRICAL

SHEET NUMBER	SHEET NAME
E0.0	ELECTRICAL LEGEND AND NOTES
E0.1	ELECTRICAL SPECIFICATIONS
E1.1	LIGHTING - DEMOLITION FLOOR PLAN
E1.2	LIGHTING - FIRST FLOOR PLAN
E2.1	POWER - DEMOLITION FLOOR PLAN
E2.2	POWER - FIRST FLOOR PLAN
E3.1	AUXILIARY - DEMOLITION FLOOR PLAN
E3.2	AUXILIARY - FIRST FLOOR PLAN
E3.3	ELECTRICAL DETAILS

D6 SHEET INDEX

A2H ENGINEERS ARCHITECTS PLANNERS

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FAYETTE COUNTY HEALTH DEPARTMENT

90 YUM YUM ROAD
SOMERVILLE, TN 38068

CONSTRUCTION DOCUMENTS

REVISIONS

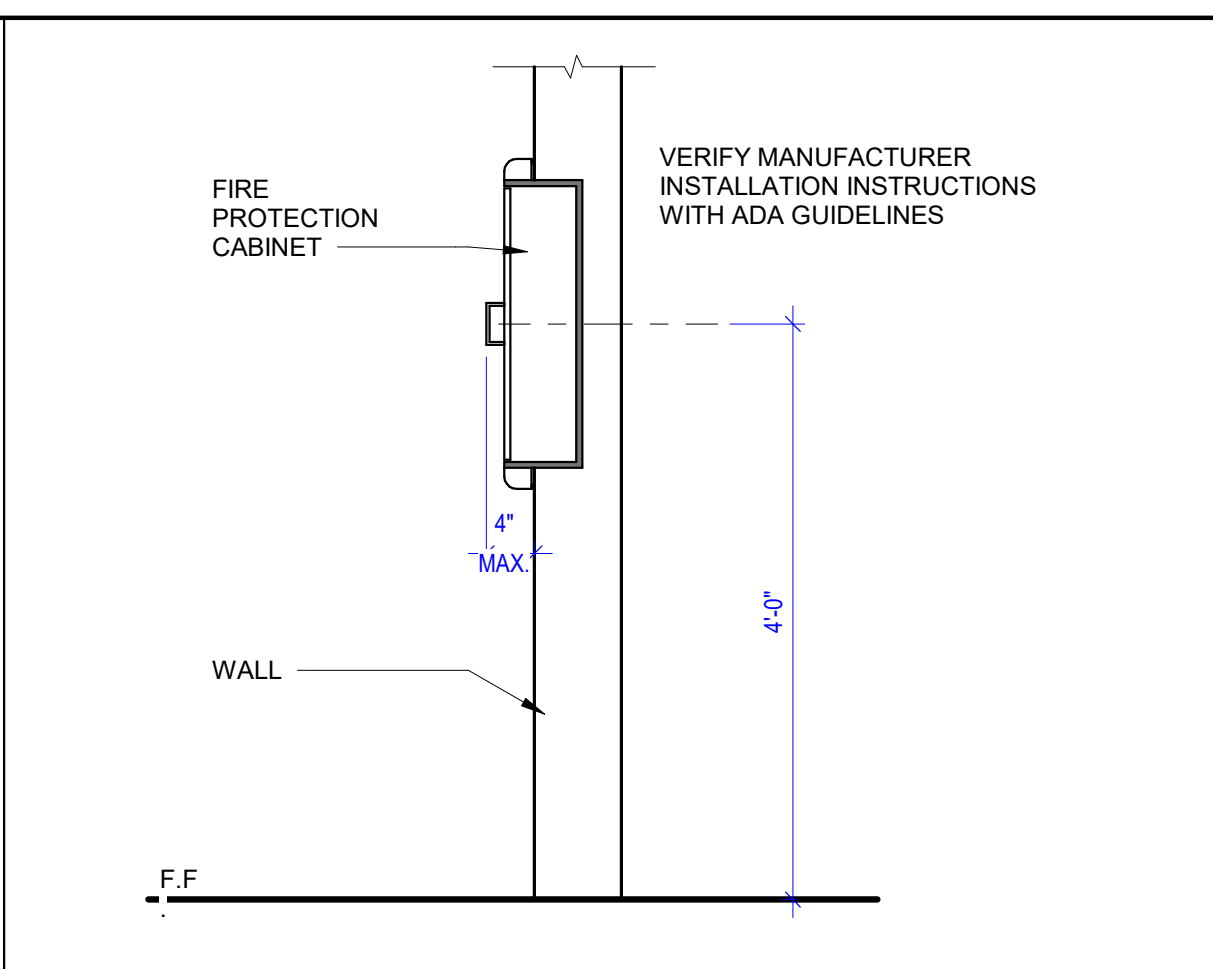
PROJECT NO.	DATE
23406	JUNE 20, 2024
DRAWN	CHECKED
LL	RHM

PROJECT DATA AND NOTES

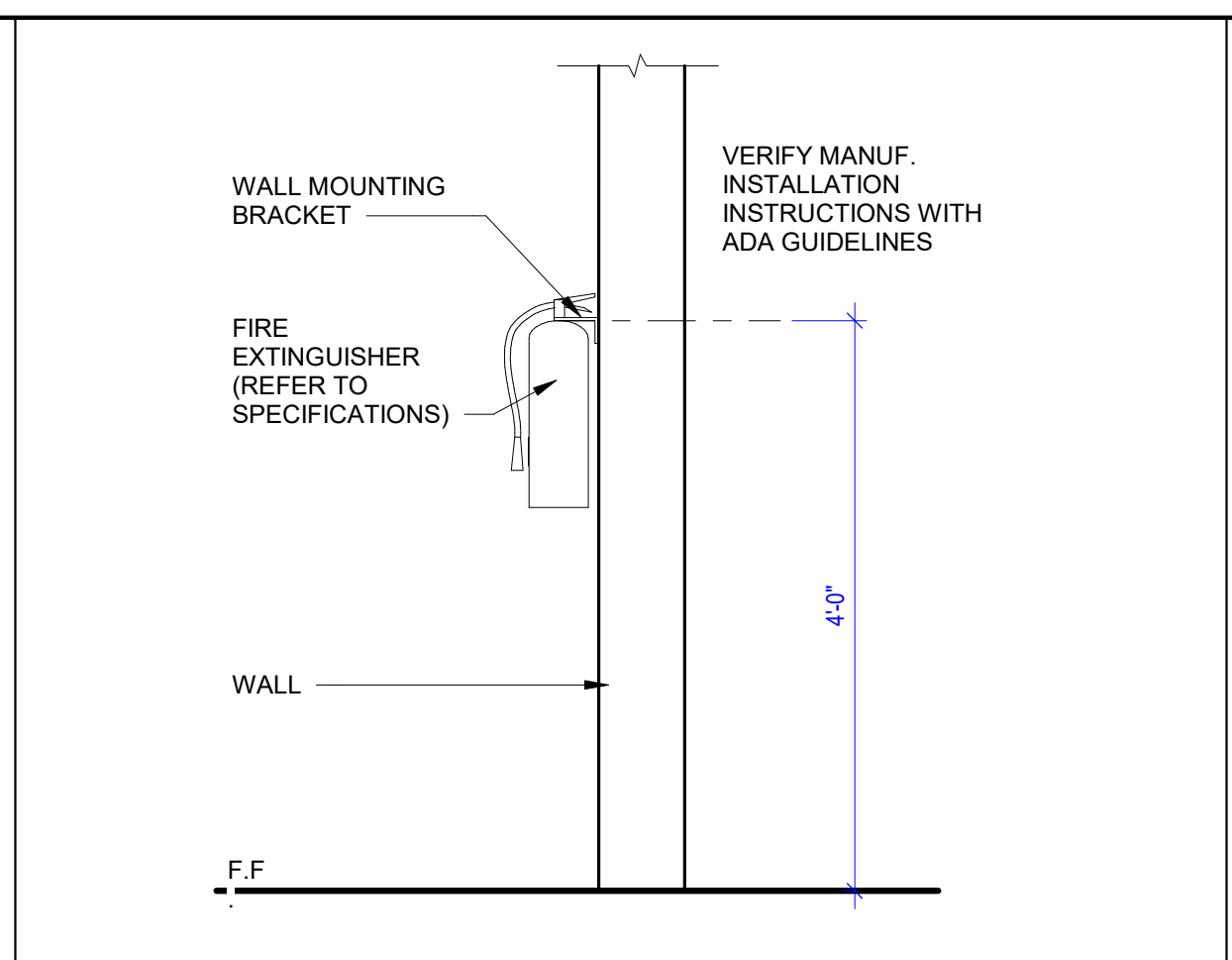
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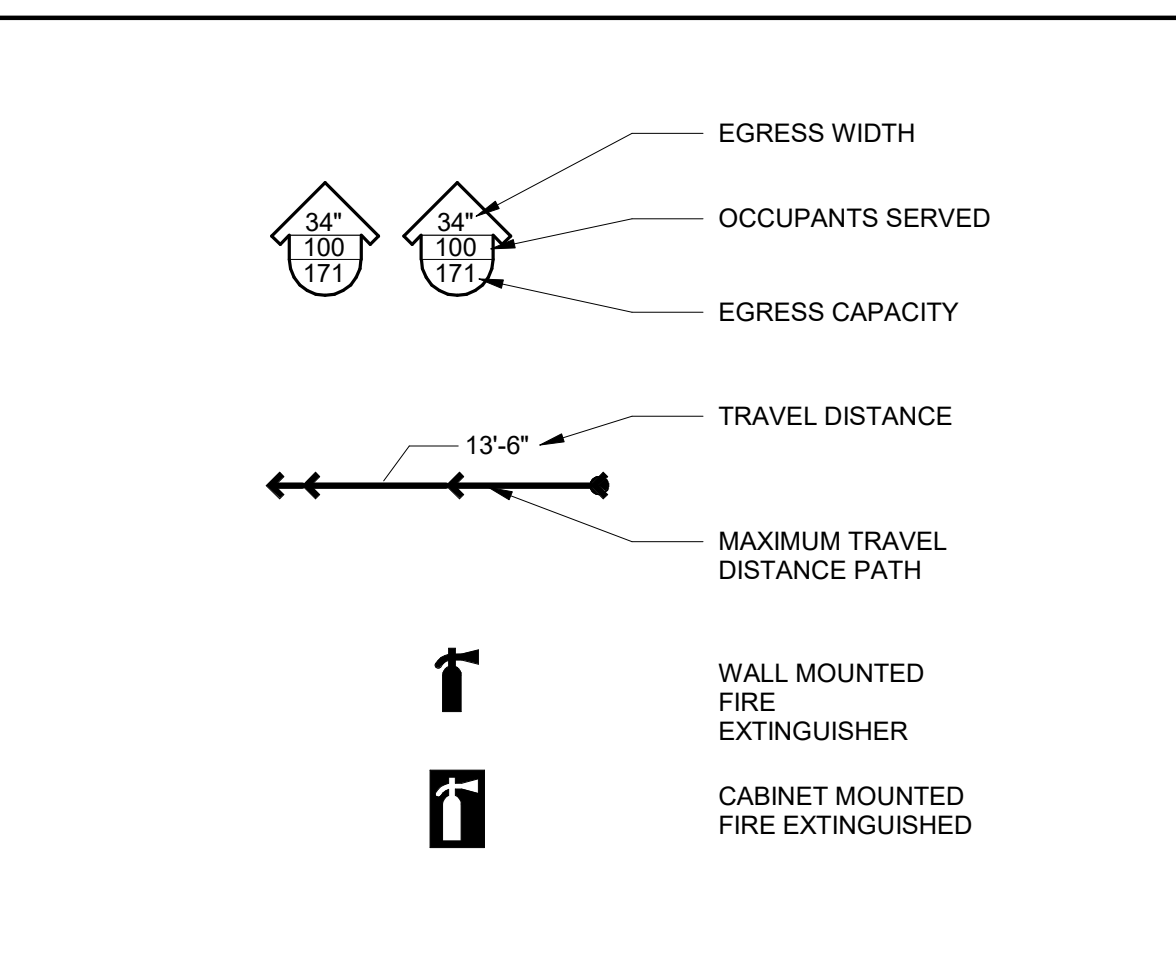
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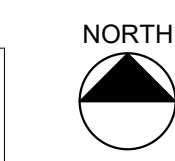
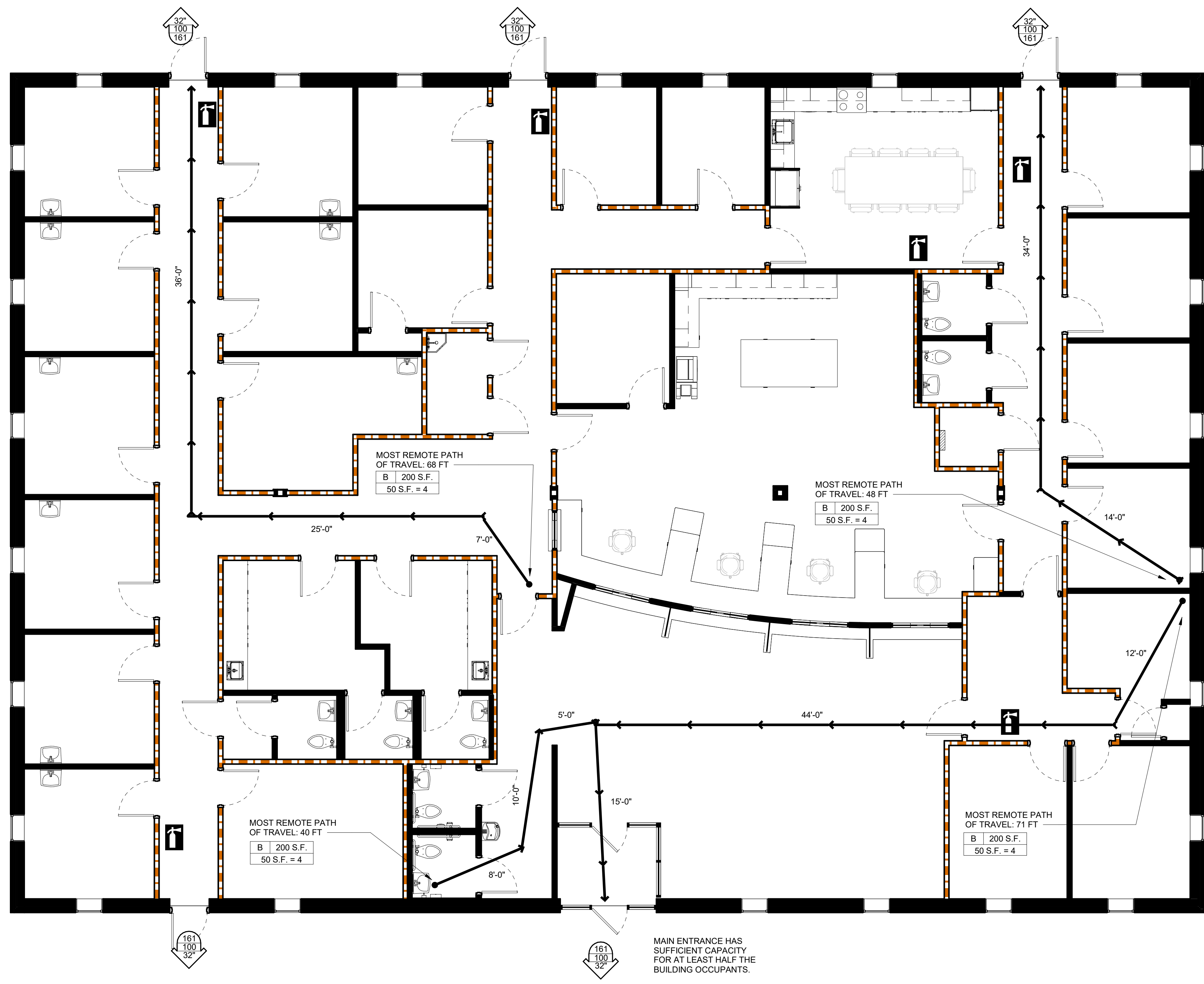
A2 FIRE EXTINGUISHER CABINET DETAIL
3/4" = 1'-0"



A3 WALL MOUNTED FIRE EXTINGUISHER MOUNTING DETAIL
3/4" = 1'-0"



LIFE SAFETY LEGEND
N.T.S.



D1 LIFE SAFETY PLAN
3/16" = 1'-0"

CODE ANALYSIS SUMMARY

PROPERTY LOCATION	90 YUM YUM ROAD SOMERVILLE, TN 38068
MAXIMUM HEIGHT	1 STORIES (20' HEIGHT)
APPLICABLE CODES	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2018 NATIONAL ELECTRICAL CODE / NFPA 70 2021 INTERNATIONAL FIRE CODE
OCCUPANCY CLASSIFICATION	B - BUSINESS
BUILDING AREA	6,978 SQ. FT.
TYPE OF CONSTRUCTION	VB
FIRE SUPPRESSION / ALARM	NOT SPRINKLERED
ALLOWABLE AREA	9,000 SQ. FT. (TABLE 506.2)

EGRESS REQUIREMENTS		
OCCUPANT LOAD	47 PERSONS (150 SF/ PERSON)	
EGRESS WIDTH REQUIRED	44 IN.	
EGRESS WIDTH PROVIDED	60 IN.	
MIN. CLEAR CORRIDOR WIDTH REQUIRED	44 IN.	
MIN. CLEAR CORRIDOR WIDTH PROVIDED	60 IN.	
EXIT ACCESS TRAVEL DISTANCE	100 FT.	
FIRE RESISTANCE RATINGS (TABLE 601)		
STRUCTURAL FRAME	0 HOURS	
EXTERIOR BEARING WALLS	0 HOURS	
INTERIOR NON-BEARING WALLS	0 HOURS	
FLOOR CONSTRUCTION	0 HOURS	
ROOF CONSTRUCTION	0 HOURS	
CORRIDORS	0 HOURS W/ AUTOMATIC SPRINKLER SYSTEM	
GENERATOR ROOM	2 HOURS	

PLUMBING FIXTURE REQUIREMENTS		
	REQUIRED	PROVIDED
WATER CLOSETS	2	7
LAVATORIES	1	7
DRINKING FOUNTAINS	1	1
SERVICE SINKS	1	1

FINISH REQUIREMENTS		
EXIT ENCLOSURES	CLASS A	
CORRIDORS	CLASS A	
ROOMS AND ENCLOSED SPACES	CLASS A	

WALL LEGEND

	DEMO WALL
	EXISTING WALL
	NEW WALL
	1 HOUR RATED BARRIER
	2 HOUR RATED BARRIER

WALL LEGEND - REMODEL
N.T.S.



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PROJECT NO.	23406	DATE	JUNE 20, 2024
DRAWN	LL	CHECKED	RHM

LIFE SAFETY PLAN

G0.2

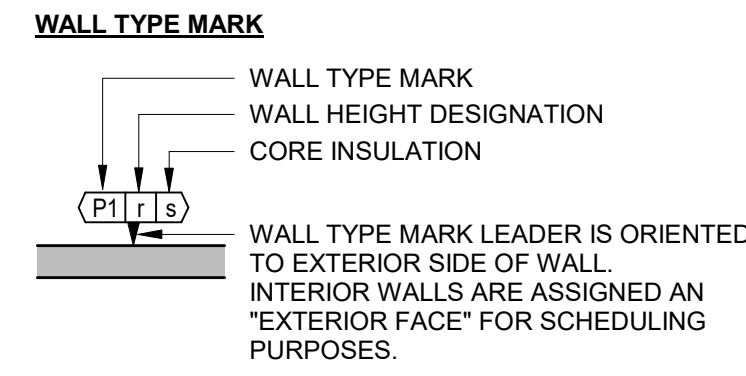
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WALL TYPESCHEDULE							
MARK	WALL THICKNESS	WALL CONSTRUCTION			FIRE RATING		NOTES
		EXTERIOR FINISH	EXTERIOR SUBSTRATE	CORE	INTERIOR SUBSTRATE	INTERIOR FINISH	
P1	3 5/8"	-	-	3-5/8" MTL. STUDS @ 16" O.C. MAX.	-	-	
P2	4 7/8"	5/8" TYPE 'X' GYP. BD.	-	3-5/8" MTL. STUDS @ 16" O.C. MAX.	-	5/8" TYPE 'X' GYP. BD.	
P3	4 1/4"	5/8" TYPE 'X' GYP. BD.	-	3-5/8" MTL. STUDS @ 16" O.C. MAX.	-	-	

WALL TYPE LEGEND

- HEIGHT**
- r EXTEND TO ROOF DECK ABOVE
 - f EXTEND TO FLOOR DECK ABOVE
 - c 1'-0" ABOVE HIGHEST ADJACENT CEILING
 - d 3'-4 1/2" (HEIGHT AFF)
 - e 2'-4 1/2" (HEIGHT AFF)
- CORE INSULATION**
(FILL ENTIRE CAVITY U.N.O.)
- s SOUND ATTENUATING FIBERGLASS BATTS
 - t THERMAL FIBERGLASS BATTS
 - f FOAM FILL (UNROUTED MASONRY CORES)
 - n NO INSULATION

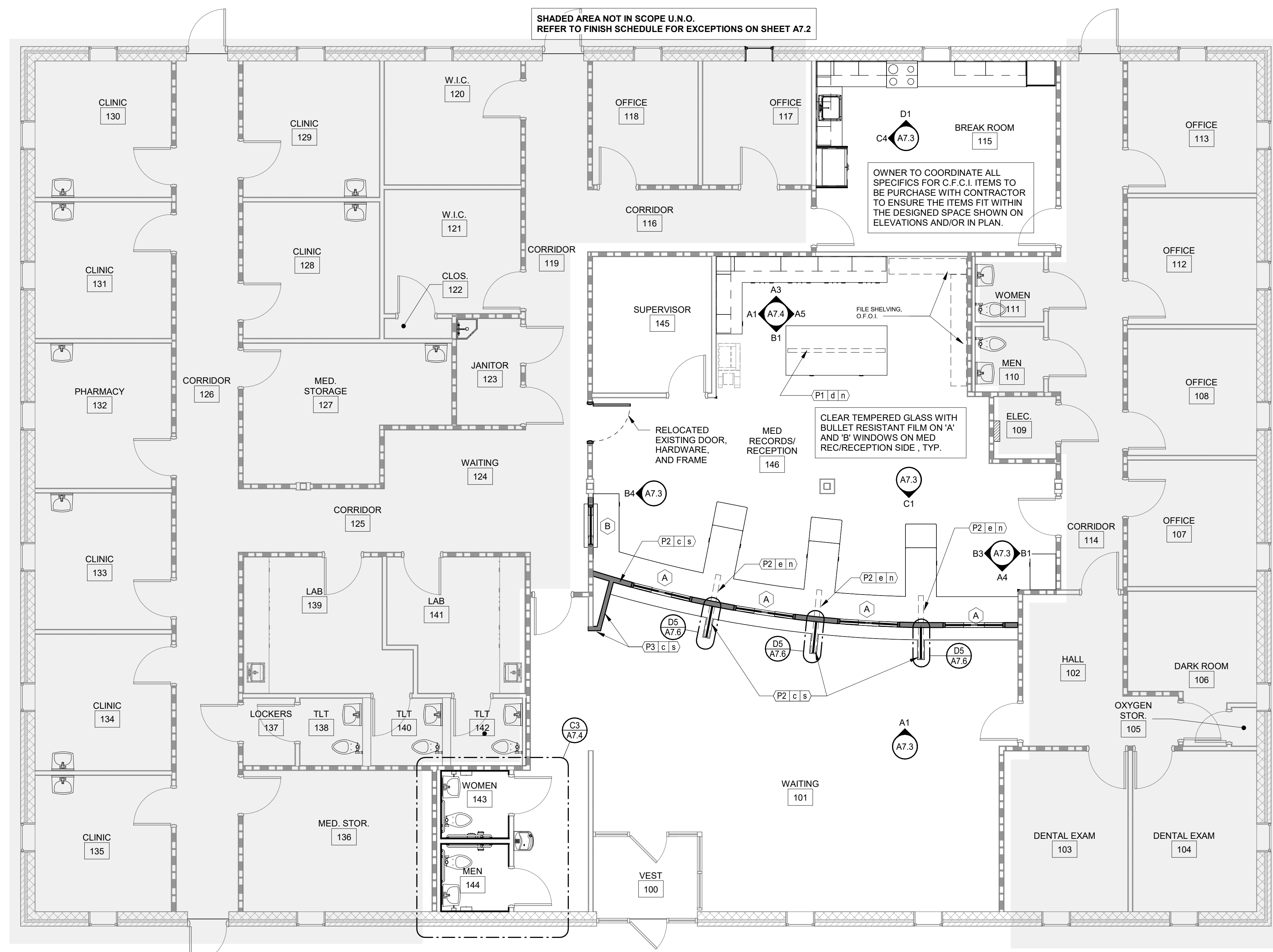


A3 WALL TYPES SCHEDULE AND LEGEND
1/4" = 1'-0"

WALL LEGEND

- DEMO WALL
- EXISTING WALL
- NEW WALL
- 1 HOUR RATED BARRIER
- 2 HOUR RATED BARRIER

N.T.S. **WALL LEGEND - REMODEL**

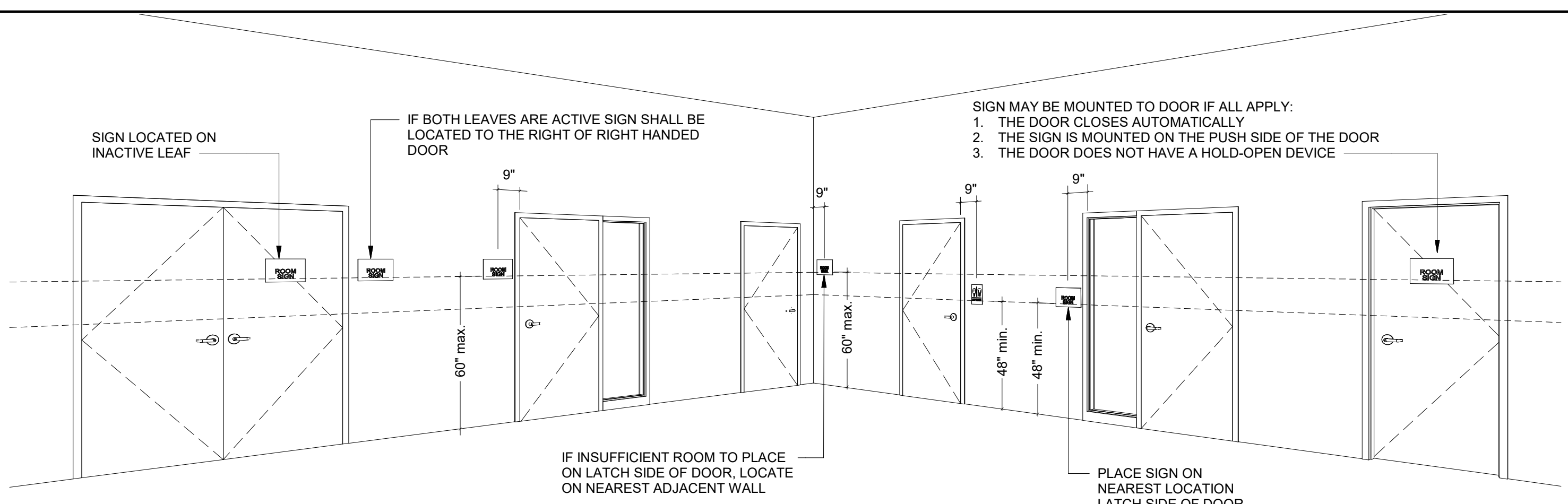


D2 FLOOR PLAN - NOTED
3/16" = 1'-0"



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A1 ADA ROOM SIGNAGE PLACEMENT
1" = 1'-0"

DOOR SCHEDULE LEGEND

MATERIAL

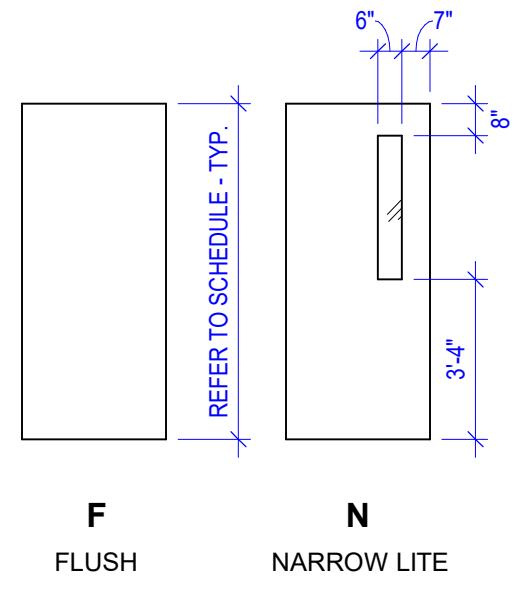
SCW	SOLID CORE WOOD
ALUM	ALUMINUM
HM	HOLLOW METAL

FINISH

PNT-*	PAINT
ST-*	STAIN
PLAM	PLASTIC LAMINATE

GLAZING

1/4" TEMPERED	
5/16" SAFETY WIRE GLASS	



DOOR HARDWARE NOTES:

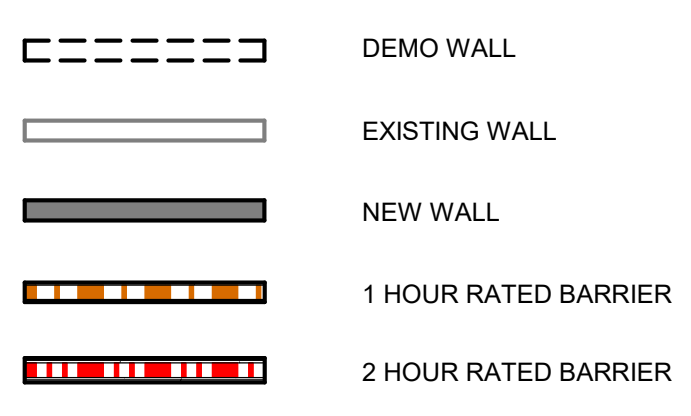
- A. DOOR HARDWARE IN RATED DOORS TO COMPLY WITH APPLICABLE CODES (I.E. INCLUDE DOOR CLOSERS).
- B. PROVIDE DOOR CLOSERS FOR ALL EXTERIOR AND FIRE RATED DOORS.
- C. ALL EXTERIOR DOORS SHALL HAVE WEATHER SEALS AND ALUMINUM THRESHOLD U.N.O.
- D. ALL DOOR HARDWARE TO BE ADA COMPLIANT.

DOOR GENERAL NOTES:

- A. ALL DOORS LOCATED IN FIRE RATED WALLS SHALL BE RATED PER CODE. REFER TO FLOOR PLAN FOR RATED WALLS LOCATION.
- B. EXTERIOR STEEL DOORS AND FRAMES TO BE GALVANNEAL, PRIMED AND PAINTED.

A3 DOOR SCHEDULE & LEGEND
1/4" = 1'-0"

WALL LEGEND

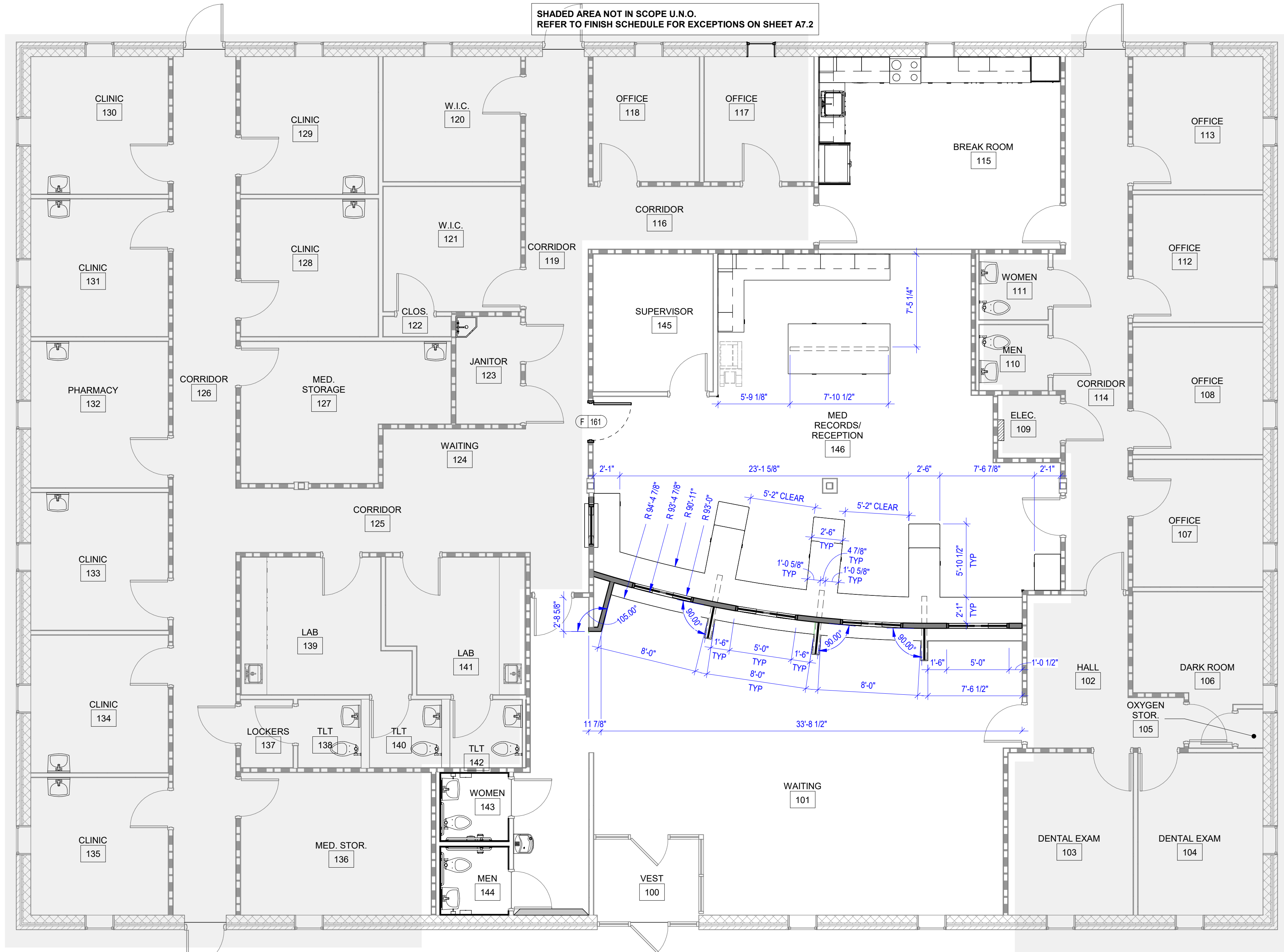


N.T.S. **WALL LEGEND - REMODEL**

WINDOWS AND GLAZING NOTES:

- A. TEMPERED GLASS WHERE REQUIRED BY CODE AND WHERE NOTED IN PLANS AND SPECIFICATIONS.
- B. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND SIZES OF WINDOWS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- C. ALL EXTERIOR WINDOWS SHALL HAVE PREFINISHED ALUMINUM SUB-SILL WITH END DAMS. SET SILL IN FULL BED OF SEALANT. COLOR TO MATCH ALUMINUM WINDOW.
- D. REFER TO DOOR SCHEDULE FOR DOOR TYPE, SIZE AND ELEVATION.
- E. SEAL ALL WINDOWS. SEALANT COLOR BY ARCHITECT.
- F. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B1 WINDOWS AND GLAZING NOTES
N.T.S.

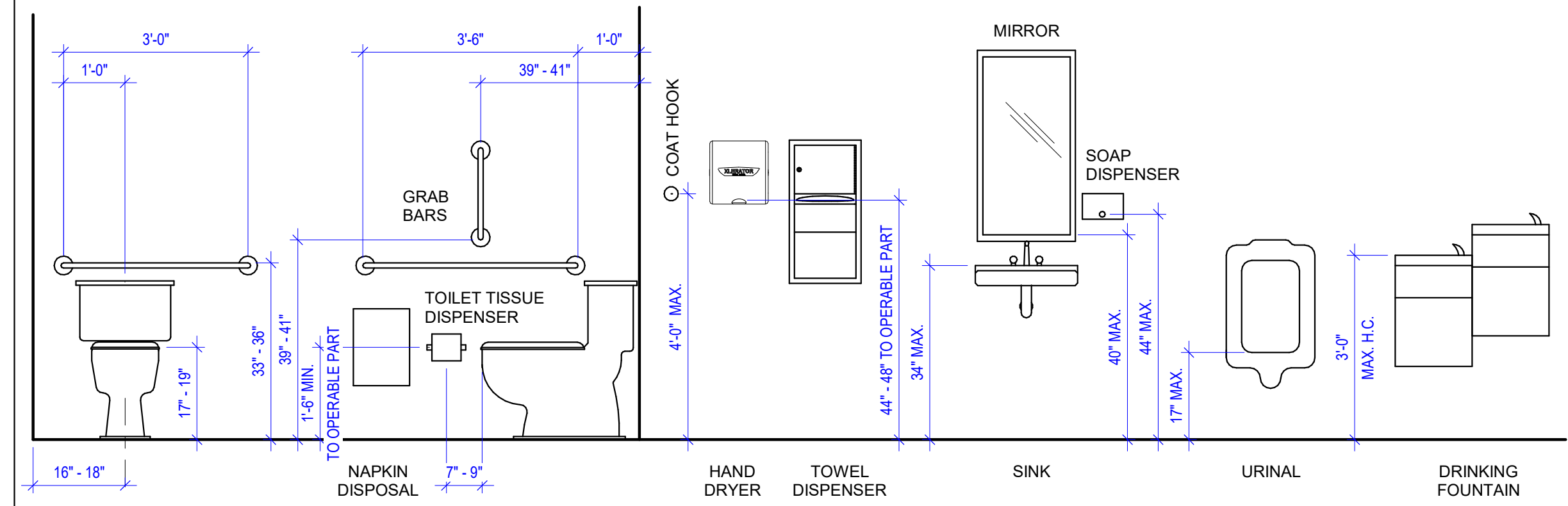


D2 FLOOR PLAN - DIMENSIONED
3/16" = 1'-0"

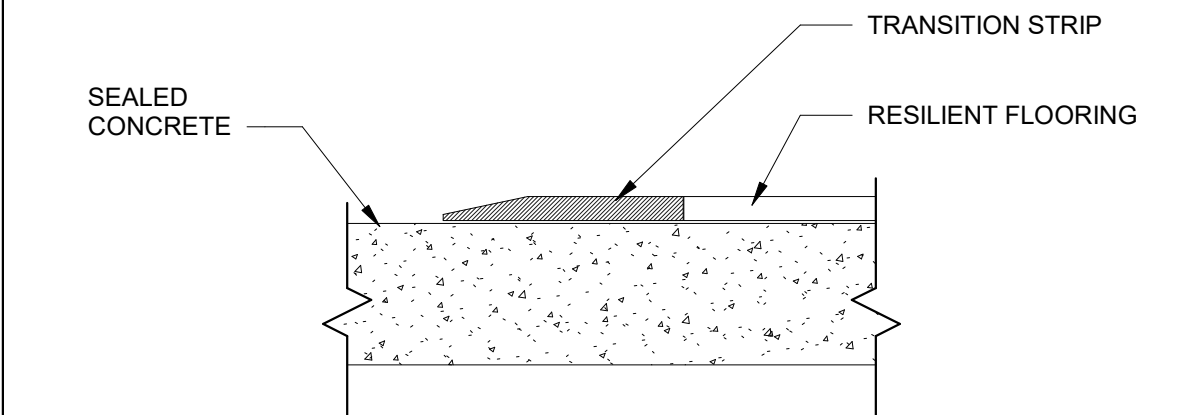


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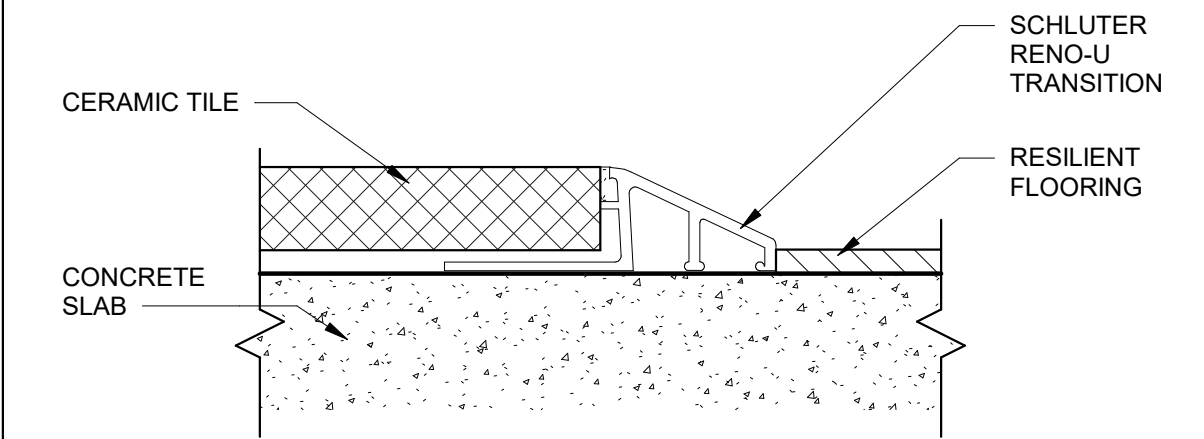
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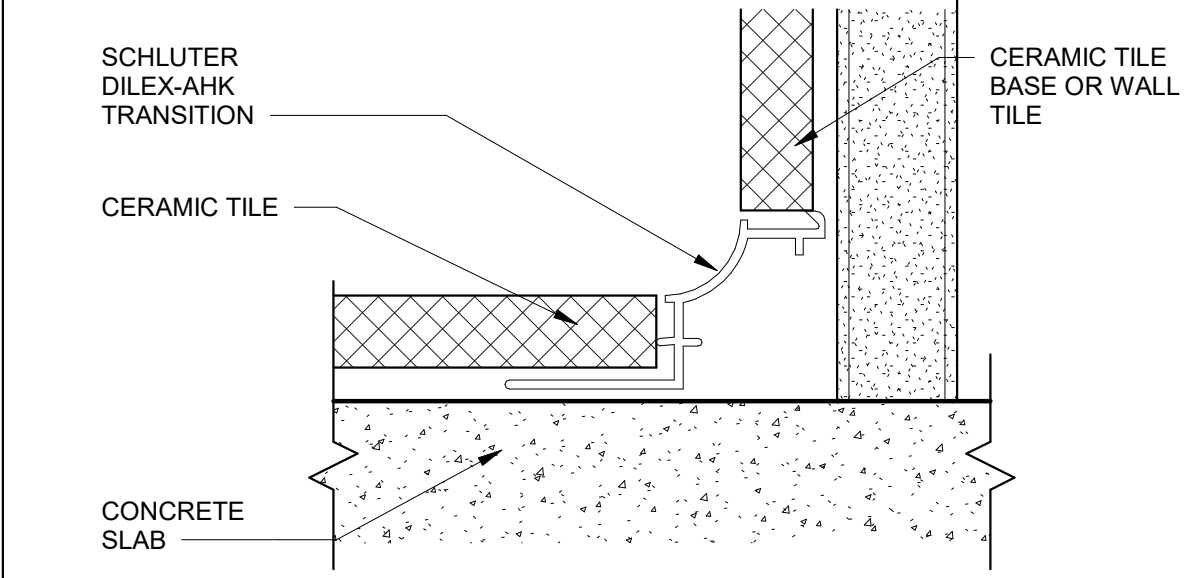
A4 TYPICAL MOUNTING HEIGHTS
1/2" = 1'-0"



B5 RESILIENT FLOOR TO SEALED CONCRETE TRANSITION
12" = 1'-0"



C5 TILE TO RESILIENT FLR TRANSITION
12" = 1'-0"



D5 TILE FLOOR TO TILE WALL DETAIL - AHK
12" = 1'-0"

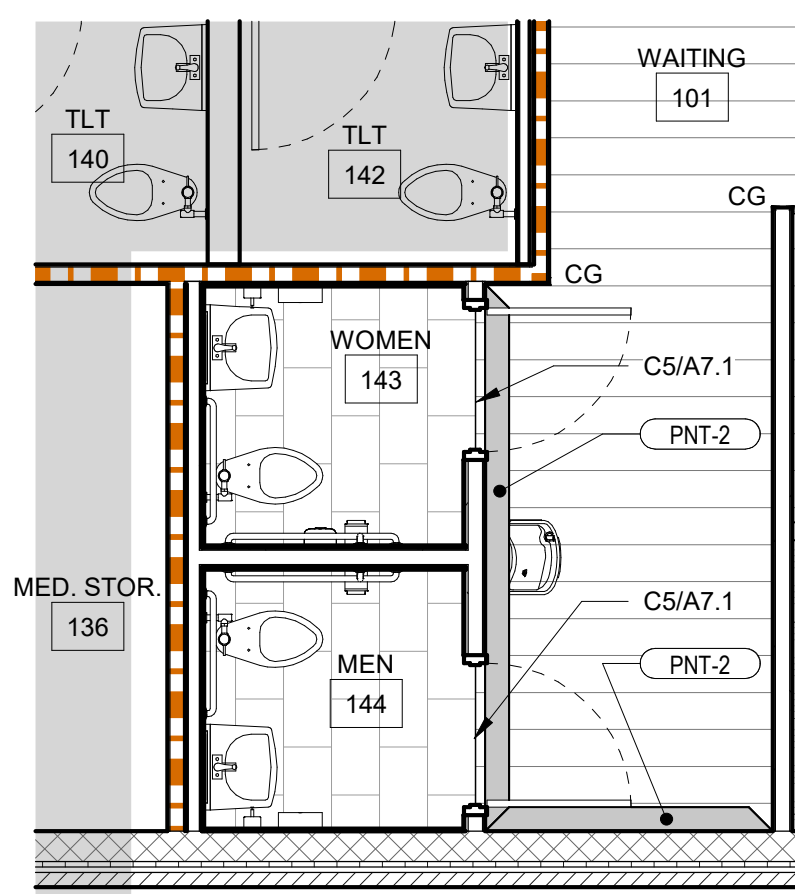


PROJECT NO.	DATE
23406	JUNE 20, 2024
DRAWN	CHECKED
LL	RHM

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FINISH SCHEDULE					FINISH SCHEDULE	
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	VEST	CPT-1	WB-1	PNT-1	A1	
101	WAITING	LVT-1/LVT-2	WB-1	PNT-1	A1	
102	HALL	LVT-1	WB-1	PNT-1	ETR	
103	DENTAL EXAM	LVT-1	WB-1	PNT-1	ETR	
104	DENTAL EXAM	LVT-1	WB-1	PNT-1	ETR	
105	OXYGEN STOR.	LVT-1	WB-1	PNT-1	ETR	
106	DARK ROOM	LVT-1	WB-1	PNT-1	ETR	
107	OFFICE	LVT-1	WB-1	PNT-1	ETR	
108	OFFICE	LVT-1	WB-1	PNT-1	ETR	
109	ELEC.	ETR	ETR	ETR	ETR	
110	MEN	ETR	ETR	ETR	ETR	
111	WOMEN	ETR	ETR	ETR	ETR	
112	OFFICE	LVT-1	WB-1	PNT-1	ETR	
113	OFFICE	LVT-1	WB-1	PNT-1	ETR	
114	CORRIDOR	LVT-1	WB-1	PNT-1	ETR	
115	BREAK ROOM	LVT-1	WB-1	PNT-1	A1	
116	CORRIDOR	ETR	ETR	ETR	ETR	
117	OFFICE	ETR	ETR	ETR	ETR	
118	OFFICE	ETR	ETR	ETR	ETR	
119	CORRIDOR	ETR	ETR	ETR	ETR	
120	W.I.C.	ETR	ETR	ETR	ETR	
121	W.I.C.	ETR	ETR	ETR	ETR	
122	CLOS.	ETR	ETR	ETR	ETR	
123	JANITOR	ETR	ETR	ETR	ETR	
124	WAITING	ETR	ETR	ETR	ETR	
125	CORRIDOR	ETR	ETR	ETR	ETR	
126	CORRIDOR	ETR	ETR	ETR	ETR	
127	MED. STORAGE	ETR	ETR	ETR	ETR	
128	CLINIC	ETR	ETR	ETR	ETR	
129	CLINIC	ETR	ETR	ETR	ETR	
130	CLINIC	ETR	ETR	ETR	ETR	
131	CLINIC	ETR	ETR	ETR	ETR	
132	PHARMACY	ETR	ETR	ETR	ETR	
133	CLINIC	ETR	ETR	ETR	ETR	
134	CLINIC	ETR	ETR	ETR	ETR	
135	CLINIC	ETR	ETR	ETR	ETR	
136	MED. STOR.	ETR	ETR	ETR	ETR	
137	LOCKERS	ETR	ETR	ETR	ETR	
138	TLT	ETR	ETR	ETR	ETR	
139	LAB	ETR	ETR	ETR	ETR	
140	TLT	ETR	ETR	ETR	ETR	
141	LAB	ETR	ETR	ETR	ETR	
142	TLT	ETR	ETR	ETR	ETR	
143	WOMEN	T-1	T-2	T-2	A1	
144	MEN	T-1	T-2	T-2	A1	
145	SUPERVISOR	LVT-1	WB-1	PNT-1	A2	
146	MED RECORDS/RECEPTION	LVT-1	WB-1	PNT-1	A1	

MATERIAL SCHEDULE									
TAG	DESCRIPTION	SPEC	MANUFACTURER	NAME	COLOR	SIZE	INSTALL	COMMENTS	
CARPET									
CPT-1	CARPET TILE	09 6813	J&J FLOORING - KINETEX	DOWNTOWN	3153 ROUTE 66	24X24	ASHLAR		
LUXURY VINYL TILE									
LVT-2	LUXURY VINYL TILE	09 6500	MOHAWK GROUP	LARGE AND LOCAL WOOD C0128, 4.5MM	832 TELLIKO	9.25"X9.59"	ASHLAR	ASHLAR INSTALLATION	
LVT-1	LUXURY VINYL TILE	09 6500	MOHAWK GROUP	LARGE AND LOCAL WOOD C0128, 4.5MM	865 ROAN	9.25"X9.59"	ASHLAR	ASHLAR INSTALLATION	
METAL									
SS-1	STAINLESS STEEL		TBD						
MISC									
CG	WALL PROTECTION	10 2601	INPRO	TYPE	0238 FEATHER	48" HIGH	2" ABOVE WALL BASE	CORNER GUARDS	
PAINT									
PNT-1	INTERIOR PAINT	09 9000	SHERWIN WILLIAMS	SNOWBOUND	SW 7004			PROMAR 200 ZERO VOC INTERIOR LATEX; EGGSHELL, U.N.O.	
PNT-2	INTERIOR PAINT	09 9000	SHERWIN WILLIAMS	UNUSUAL GRAY	SW 7059			PROMAR 200 ZERO VOC INTERIOR LATEX; EGGSHELL, U.N.O.	
PNT-3	INTERIOR PAINT	09 9000	SHERWIN WILLIAMS	REPOSE GRAY	SW 7015			PROMAR 200 ZERO VOC INTERIOR LATEX; EGGSHELL, U.N.O.	
PLASTIC LAMINATE									
PLAM-1	PLASTIC LAMINATE	06 4100	ARBORITE	W498-CW	ENTRANCED BLACK OAK				
PLAM-2	PLASTIC LAMINATE	06 4100	ARBORITE	W462-EV	SULAWESI HAZEL				
RESIN PANEL									
RP-1	RESIN PANEL		3 FORM	VARIA ECORESIN	FRONT-SANDSTONE F01			BACK-F01 COLOR SKY	
SOLID SURFACE									
SLD-1	SOLID SURFACE	12 3600	MEGANITE	ACRYLIC SOLID SURFACE	704SA URBAN HABITAT			1/2" THICK SOLID SURFACE, BULLNOSE, EASED EDGES	
TILE									
T-1	PORCELAIN TILE	09 3000	PLATFORM SURFACES	SOUL	IVORY LINE	12X24	ASHLAR	1/8" THICK GROUT, LATICRET PERMACOLOR, 35 MOCHA	
T-2	PORCELAIN TILE	09 3000	PLATFORM SURFACES	SOUL	WHITE COTTON	12X24	ASHLAR	1/8" THICK GROUT, LATICRET PERMACOLOR, 35 MOCHA	
WALL BASE									
WB-1	WALL BASE		JOHNSONITE/TARKETT	TYPE TP (THERMOPLASTIC RUBBER)	CHARCOAL 20			USE WITH TOE, PREFAB INSIDE AND OUTSIDE CORNERS	



C1 ENLARGED RESTROOM FINISH PLAN
1/4" = 1'-0"

WOMEN 143 AND MEN 144 FINISH PRICING OPTIONS:
 OPTION 1. INSTALL NEW FLOOR AND WALL TILE OVER REPAIRED, CLEANED, AND DRIED SUBSTRATE.
 OPTION 2. INSTALL NEW EPOXY COATING OVER REPAIRED, CLEANED, AND DRIED EXISTING WALL AND FLOOR TILE.

FINISH ABBREVIATIONS

- ALL GWB SURFACES TO BE PNT-1 UNLESS OTHERWISE INDICATED.
- A - ACOUSTIC CEILING TILE
- G - CEILING GWB COLOR
- CPT - CARPET
- LVT - LUXURY VINYL TILE
- PLAM - PLASTIC LAMINATE
- PNT - PAINT COLOR
- SC - SEALED CONCRETE
- SLD - SOLID SURFACE
- SV - SHEET VINYL
- T - CERAMIC OR POCELAIN TILE
- TWB - TILE WALL BASE
- WB - WALL BASE
- VCT - VINYL COMPOSITION TILE

FINISH LEGEND

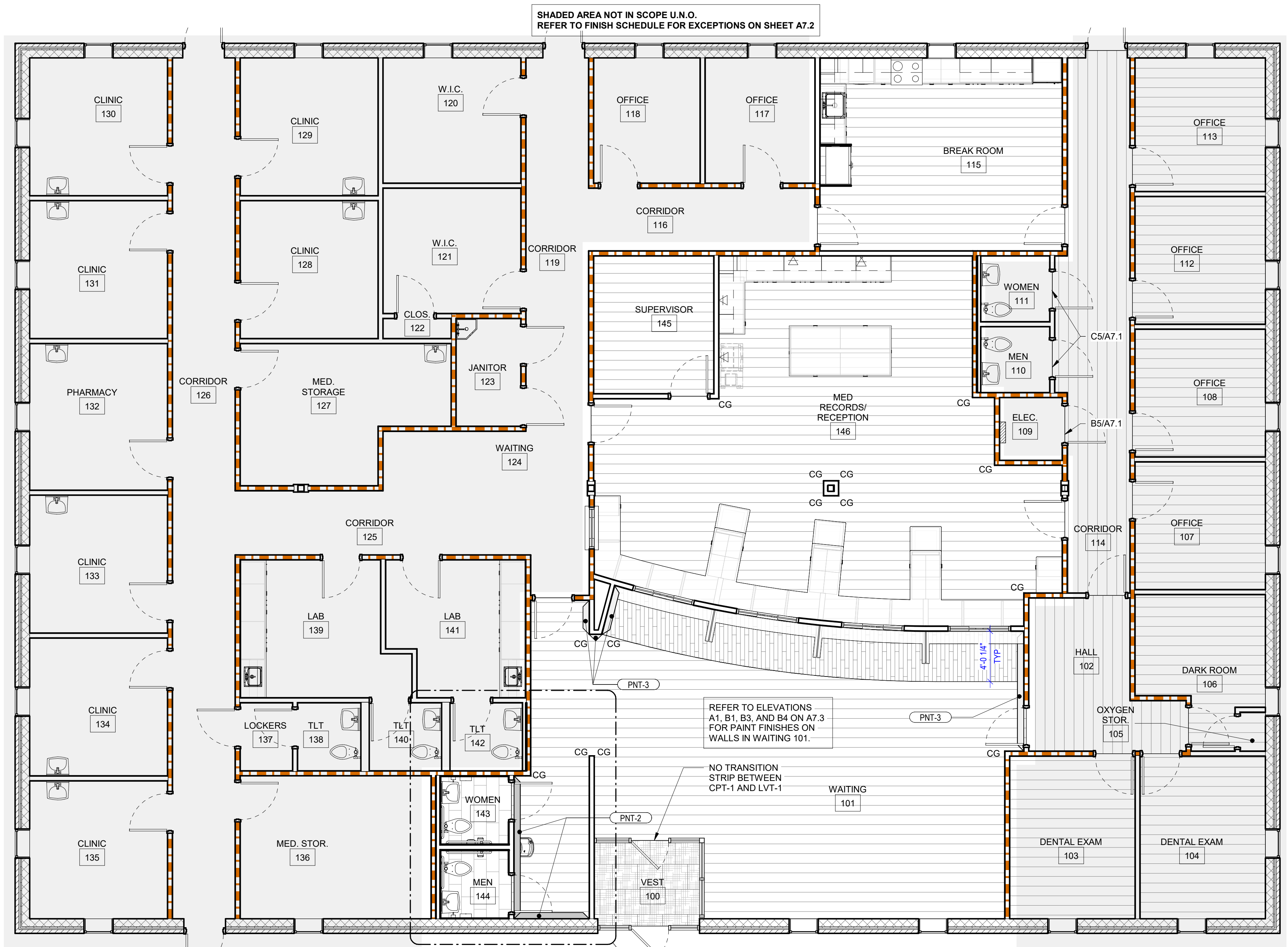
(ORIENTATION OF HATCH ON FINISH PLAN DESIGNATES DIRECTION OF INSTALLATION)

- CPT-1
- LVT-1
- LVT-2
- T-1
- CG - CORNER GUARD
- XX/XX - TRANSITION DETAIL
- ACCENT WALL LOCATION

WALL LEGEND

- DEMO WALL
- EXISTING WALL
- NEW WALL
- 1 HOUR RATED BARRIER
- 2 HOUR RATED BARRIER

WALL LEGEND - REMODEL



D3 FLOOR PLAN - FINISHES
3/16" = 1'-0"

SHADED AREA NOT IN SCOPE U.N.O. REFER TO FINISH SCHEDULE FOR EXCEPTIONS ON SHEET A7.2

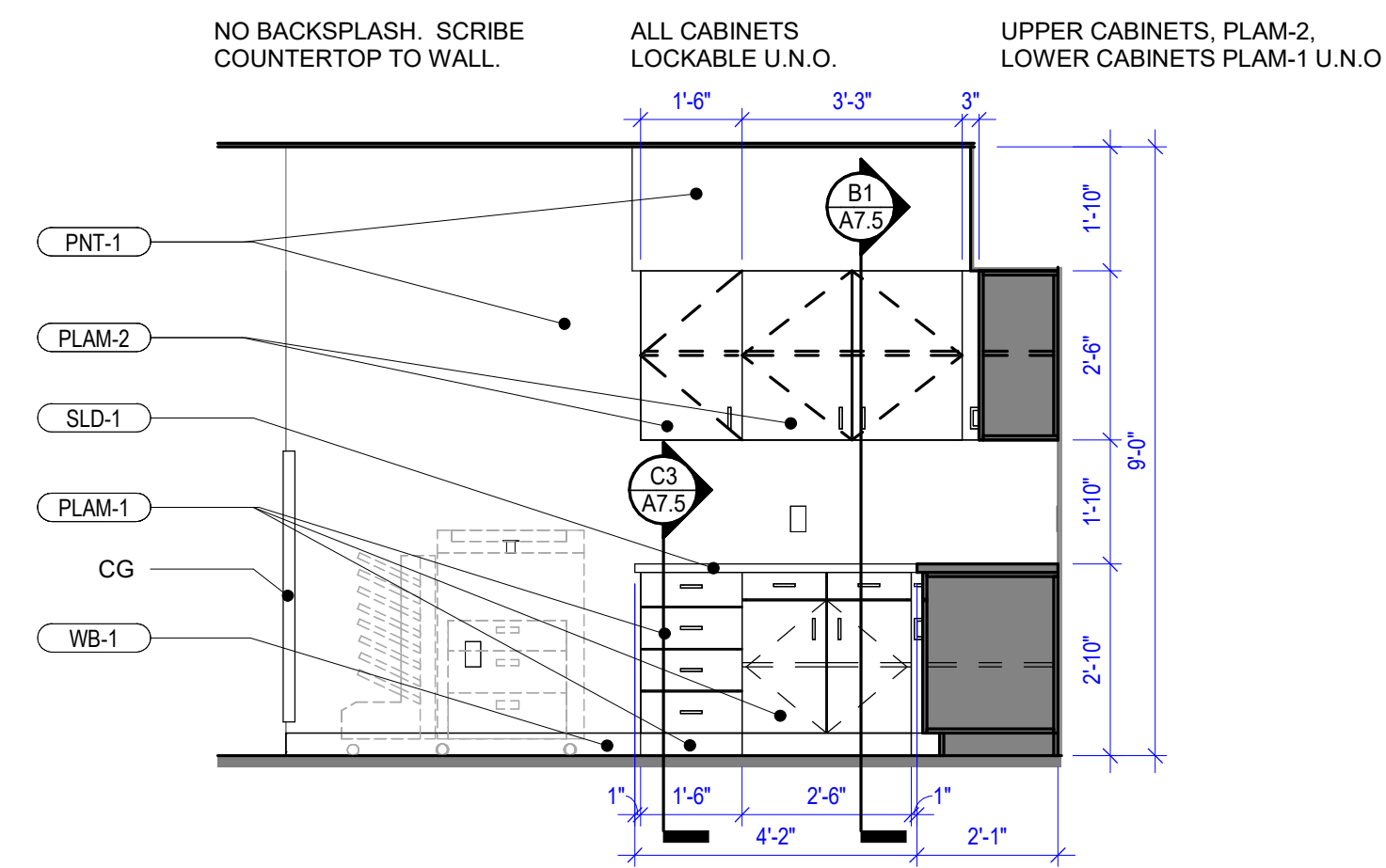
SHADED AREA NOT IN SCOPE U.N.O. REFER TO FINISH SCHEDULE FOR EXCEPTIONS ON SHEET A7.2



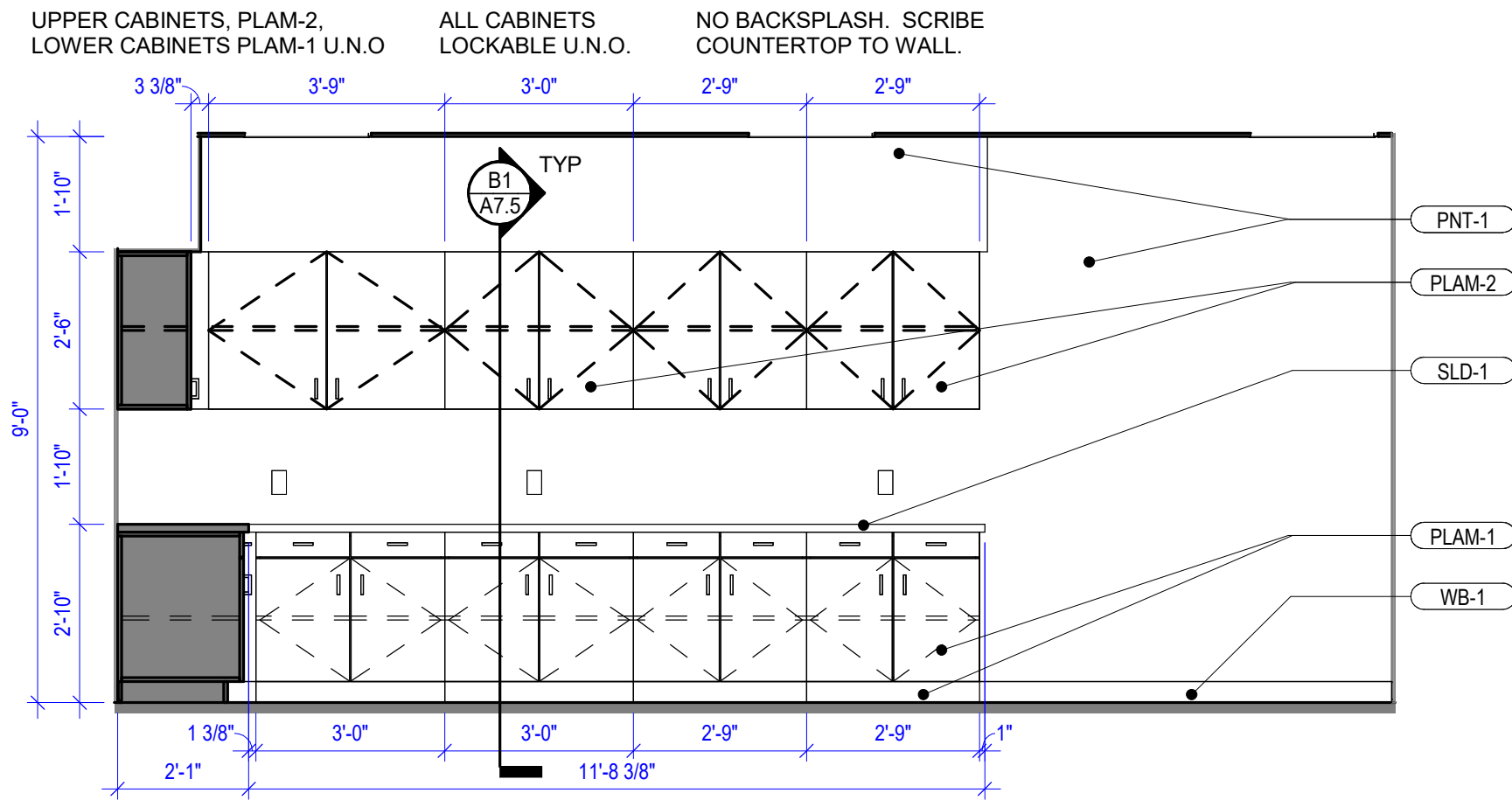
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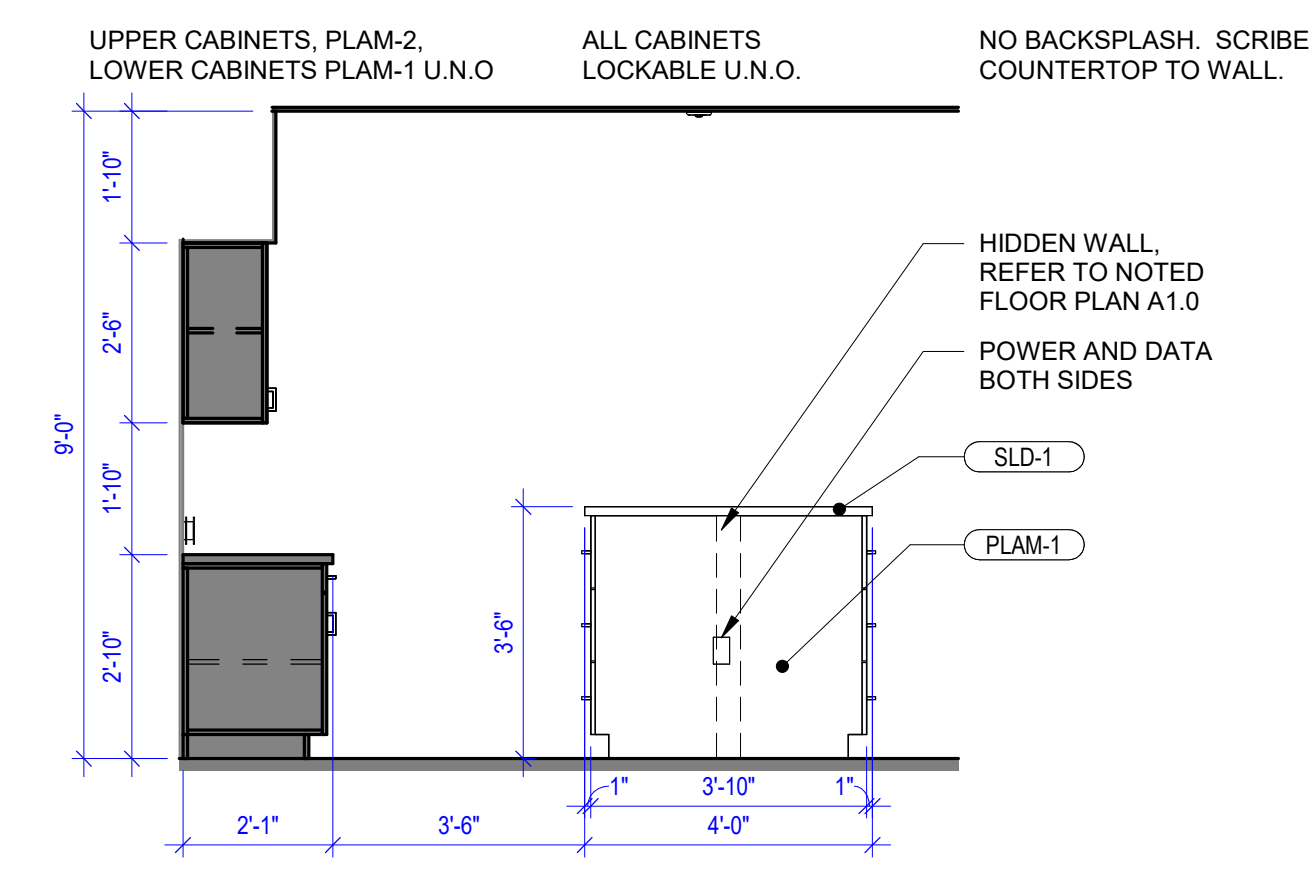
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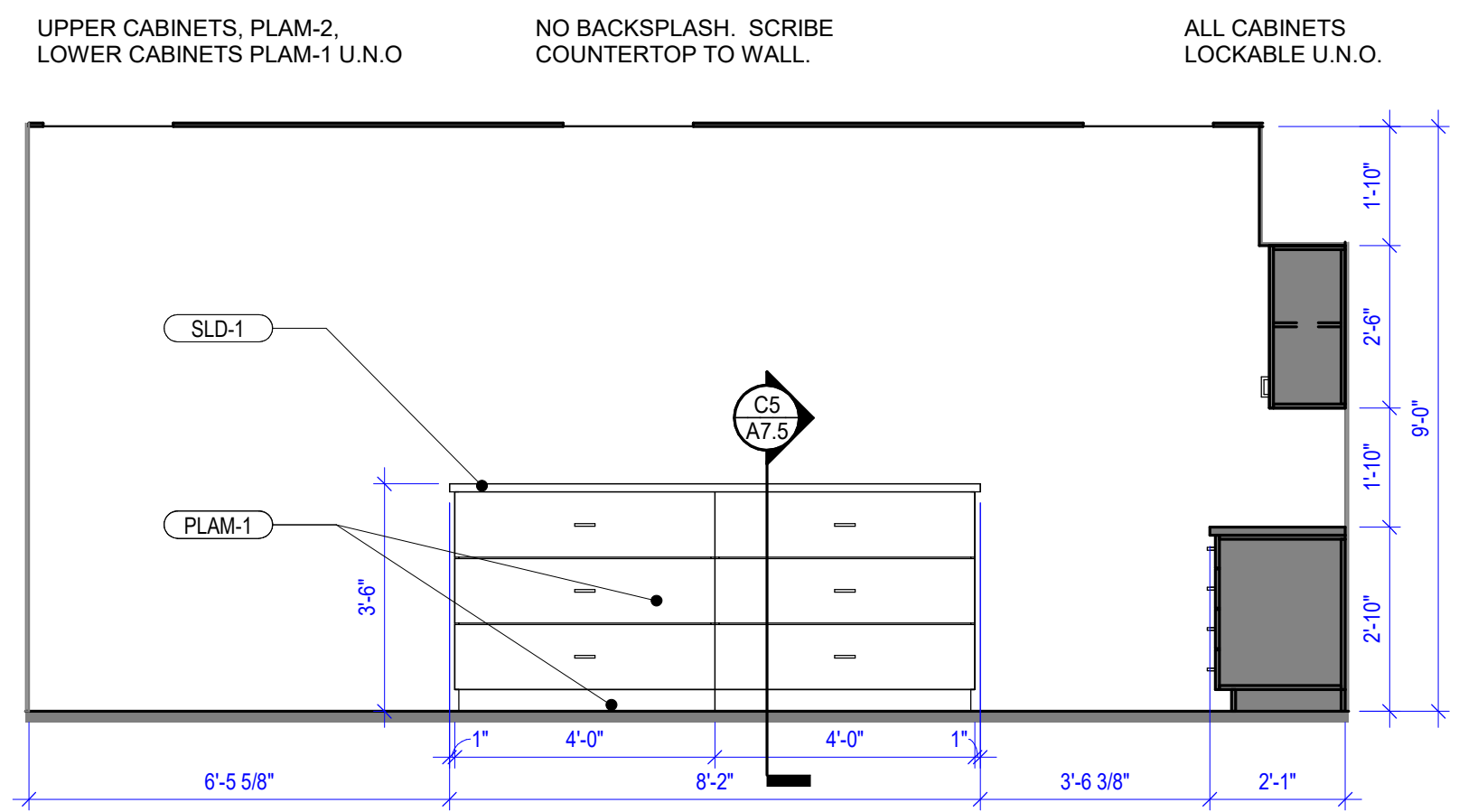
A1 RECEPTION WORK AREA
3/8" = 1'-0"



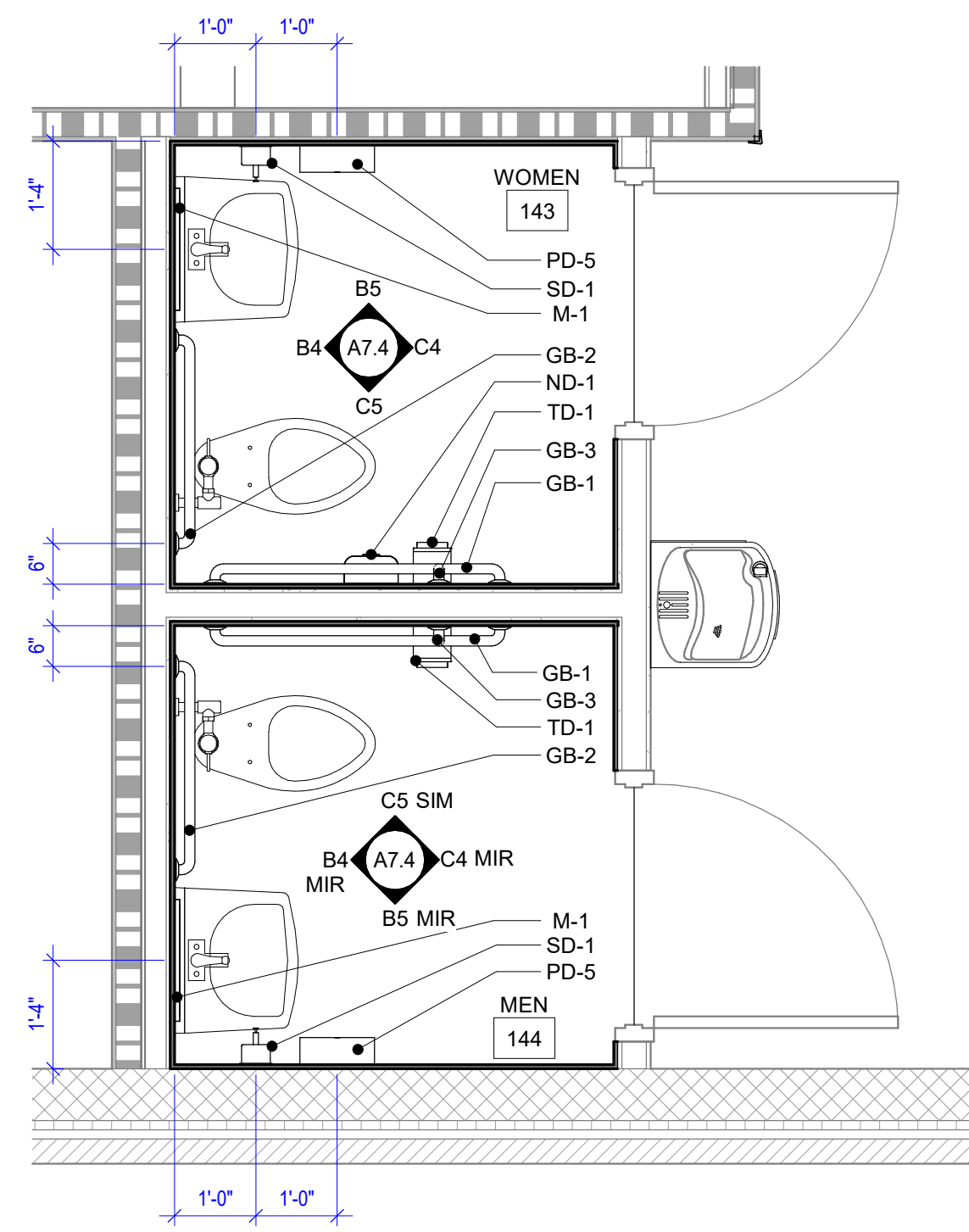
A3 RECEPTION WORK AREA
3/8" = 1'-0"



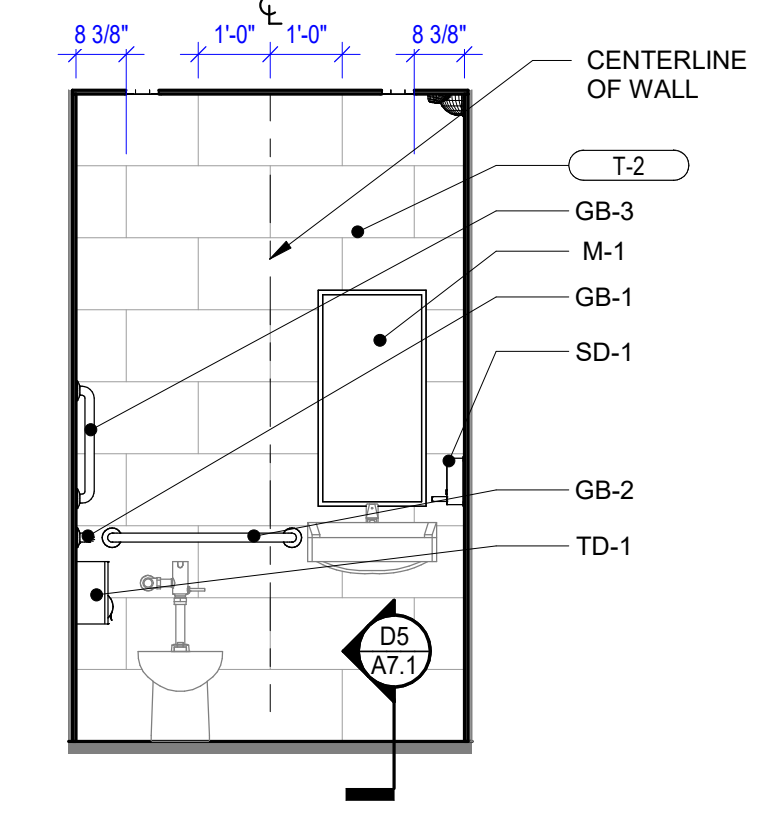
A5 RECEPTION WORK AREA
3/8" = 1'-0"



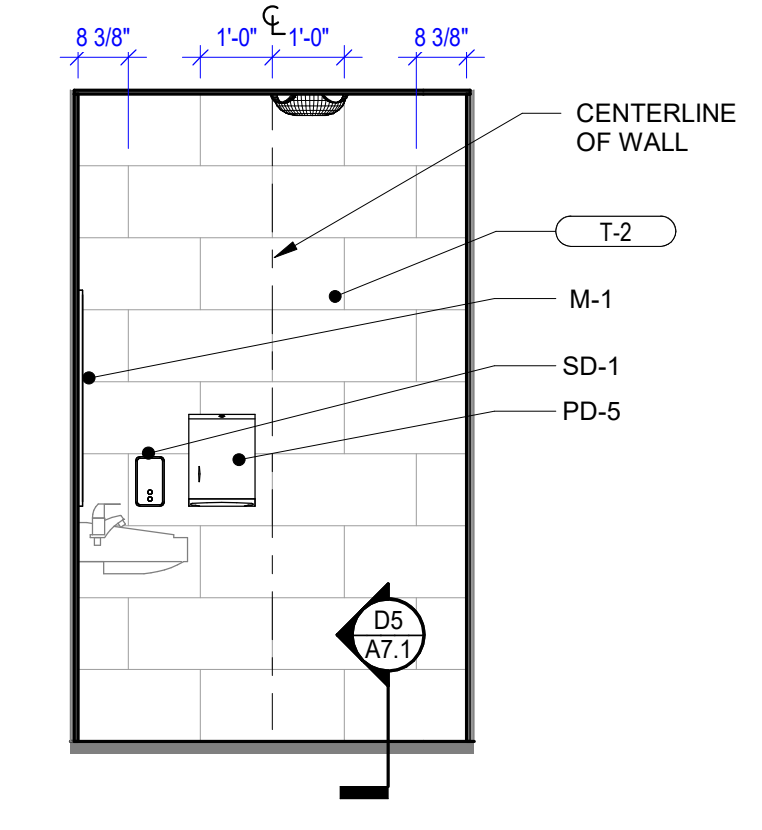
B1 RECEPTION WORK AREA
3/8" = 1'-0"



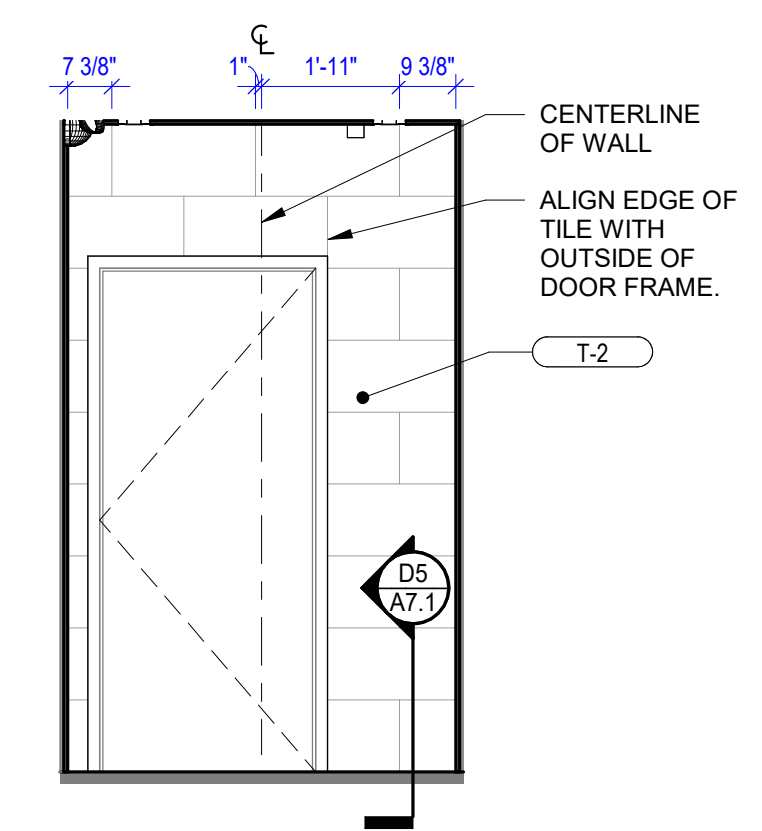
C3 ENLARGED RESTROOM PLAN -NOTED
1/2" = 1'-0"



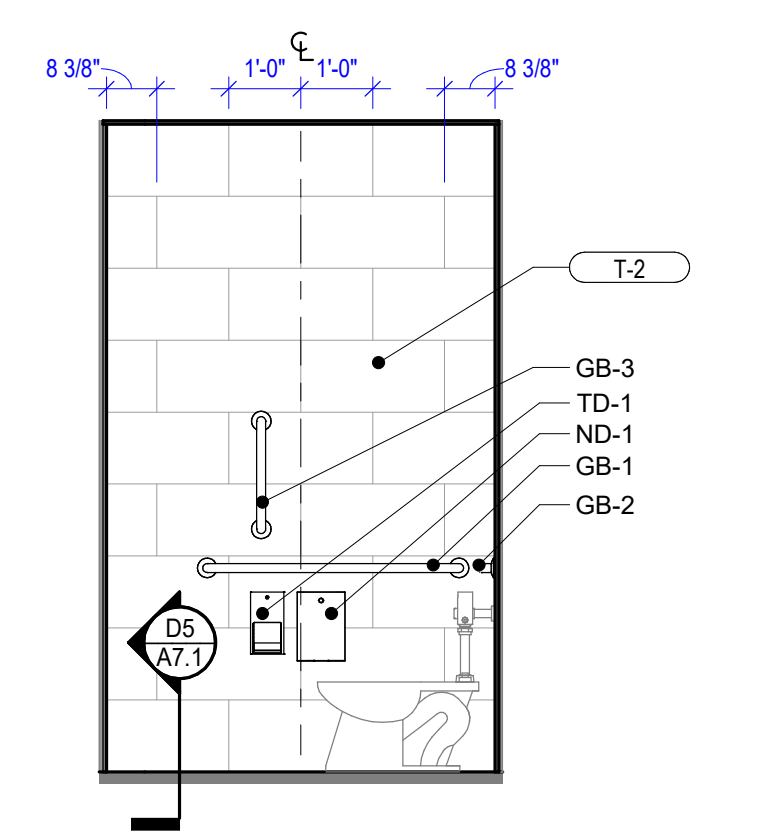
B4 WOMEN 143
3/8" = 1'-0"



B5 WOMEN 143
3/8" = 1'-0"



C4 WOMEN 143
3/8" = 1'-0"

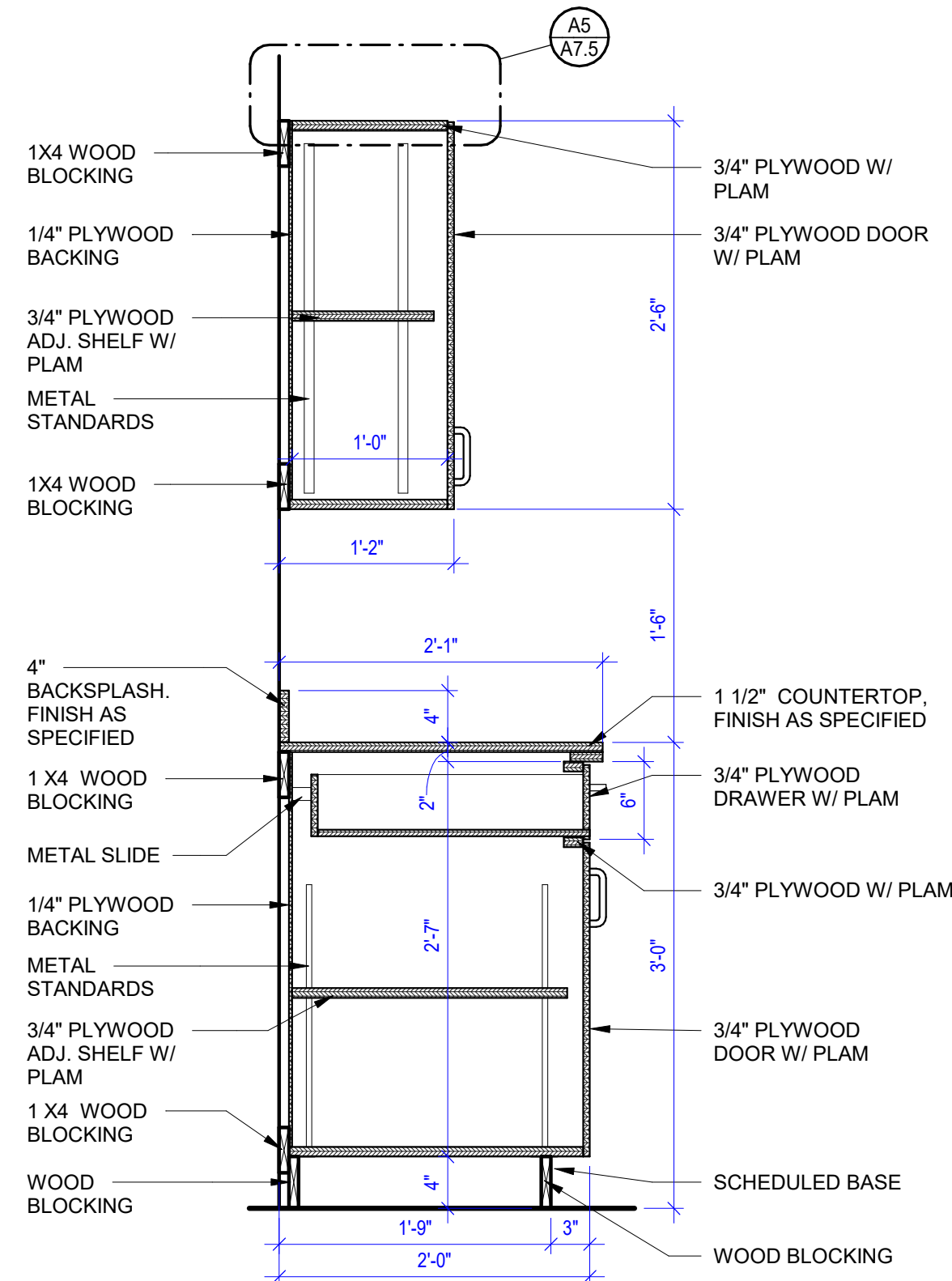


C5 WOMEN 143
3/8" = 1'-0"

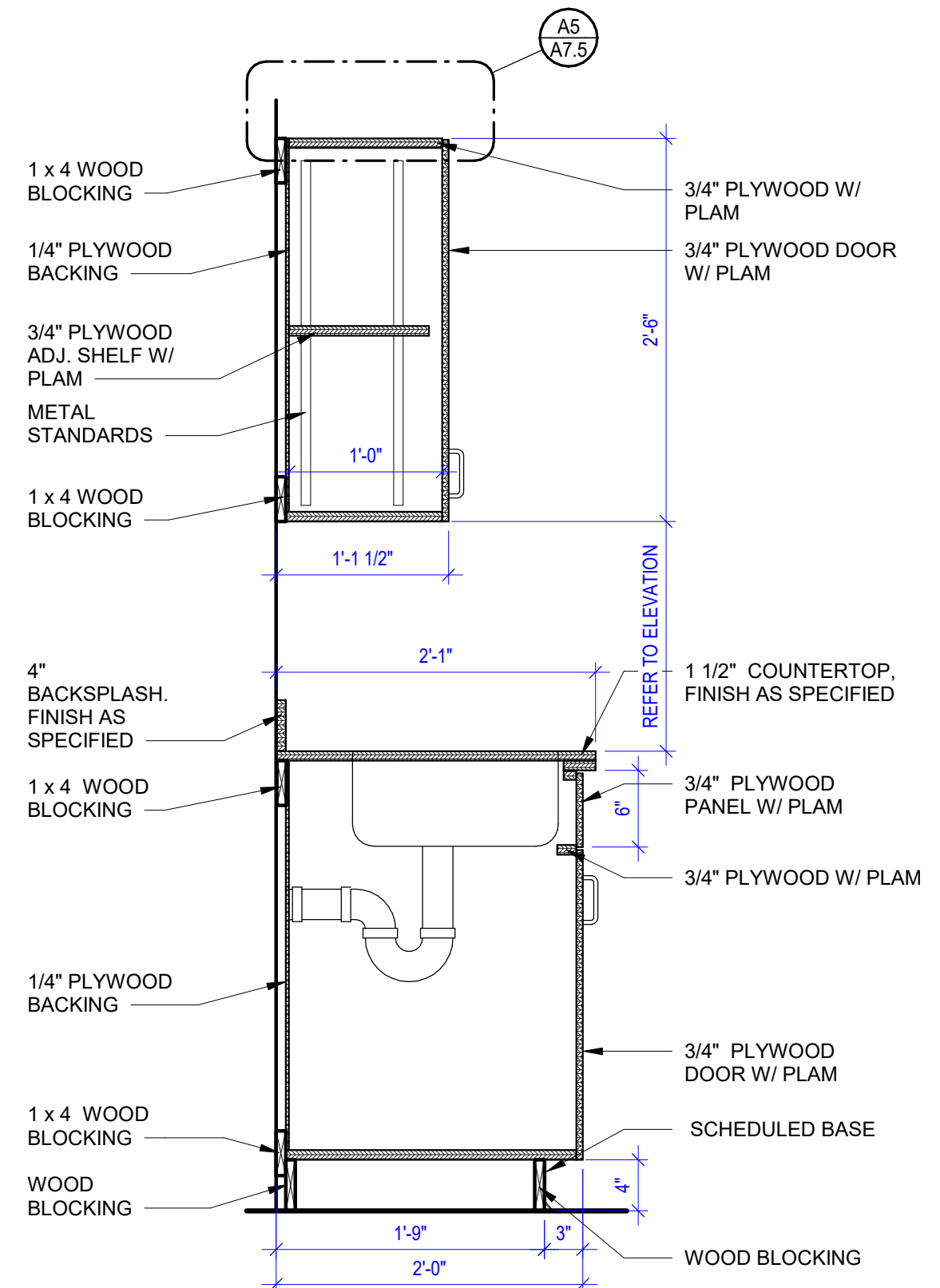
TOILET ACCESSORY SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
GB-1	GRAB BAR - 42"	BRADLEY CORP.	8120-001420	
GB-2	GRAB BAR - 30"	BRADLEY CORP.	8120-001300	
GB-3	GRAB BAR - 18"	BRADLEY CORP.	8120-001180	
M-1	MIRROR	BRADLEY CORP.	780-1836	
ND-1	NAPKIN DISPOSAL	BRADLEY CORP.	4781-150000	SURFACE MOUNTED
PD-5	PAPER TOWEL DISPENSER	BRADLEY CORP.	250-150000	
SD-1	SOAP DISPENSER	BRADLEY CORP.	6562	
TD-1	TOILET TISSUE DISPENSER	BRADLEY CORP.	5402	



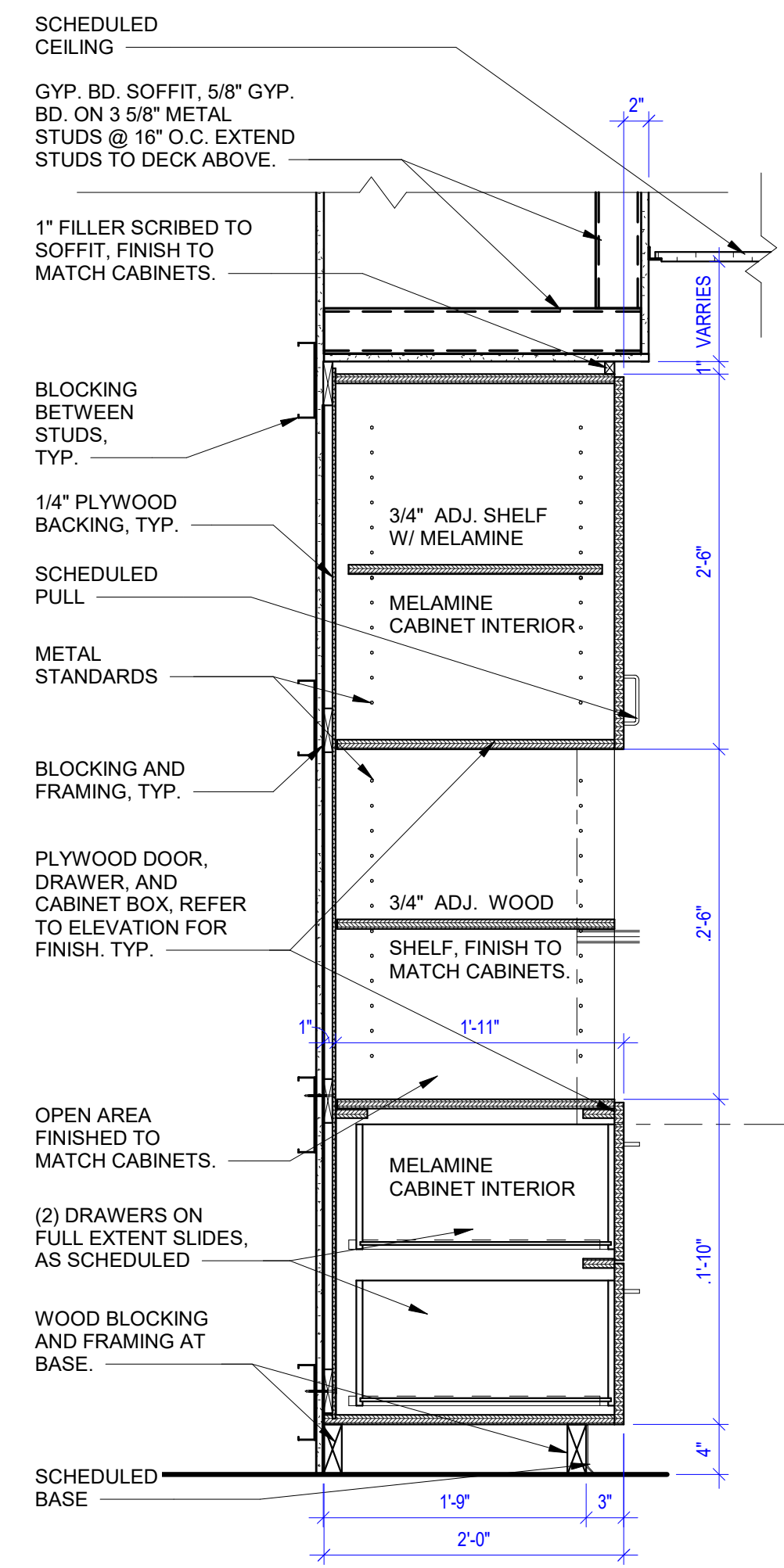
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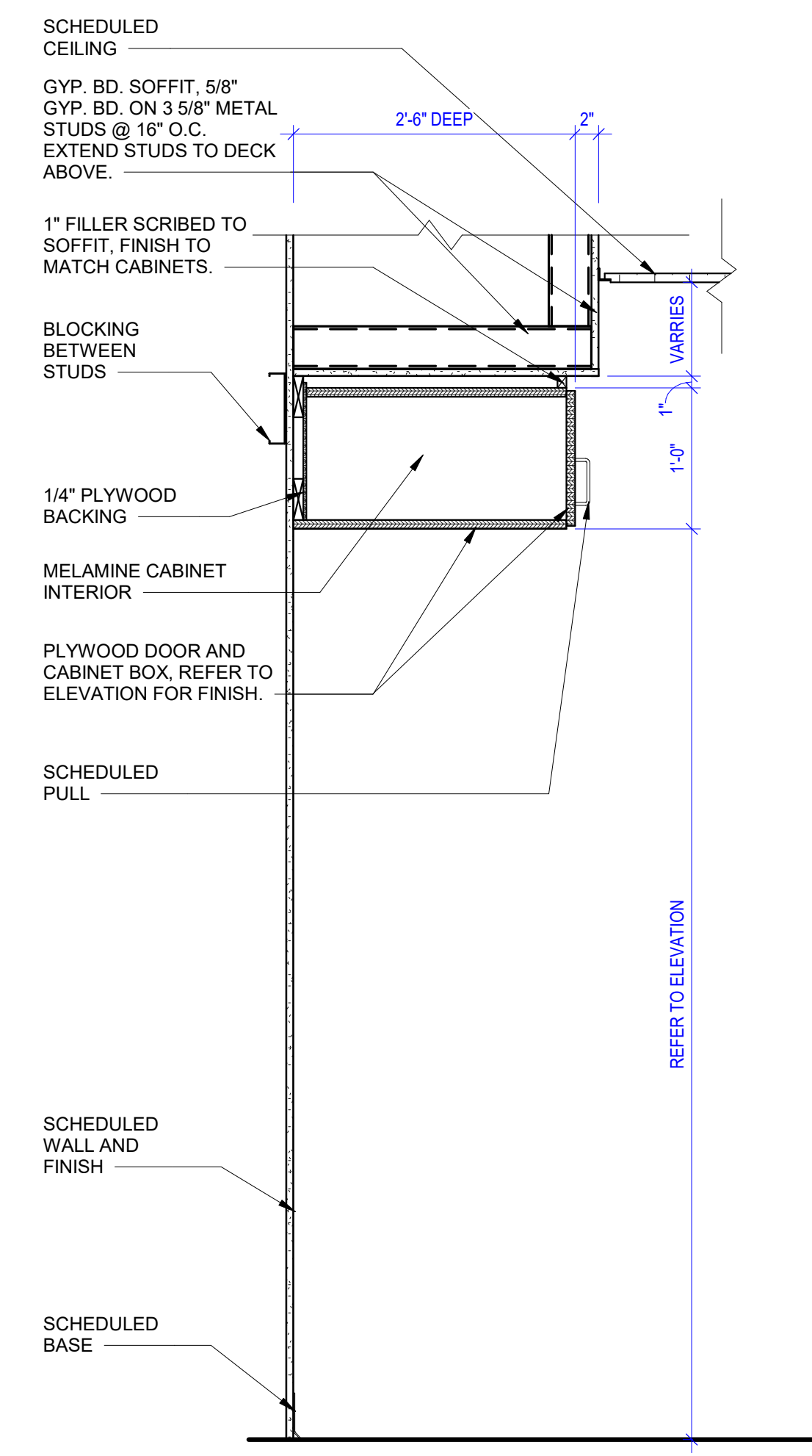
B1 CABINET - DRAWER W/ UPPERS
1" = 1'-0"



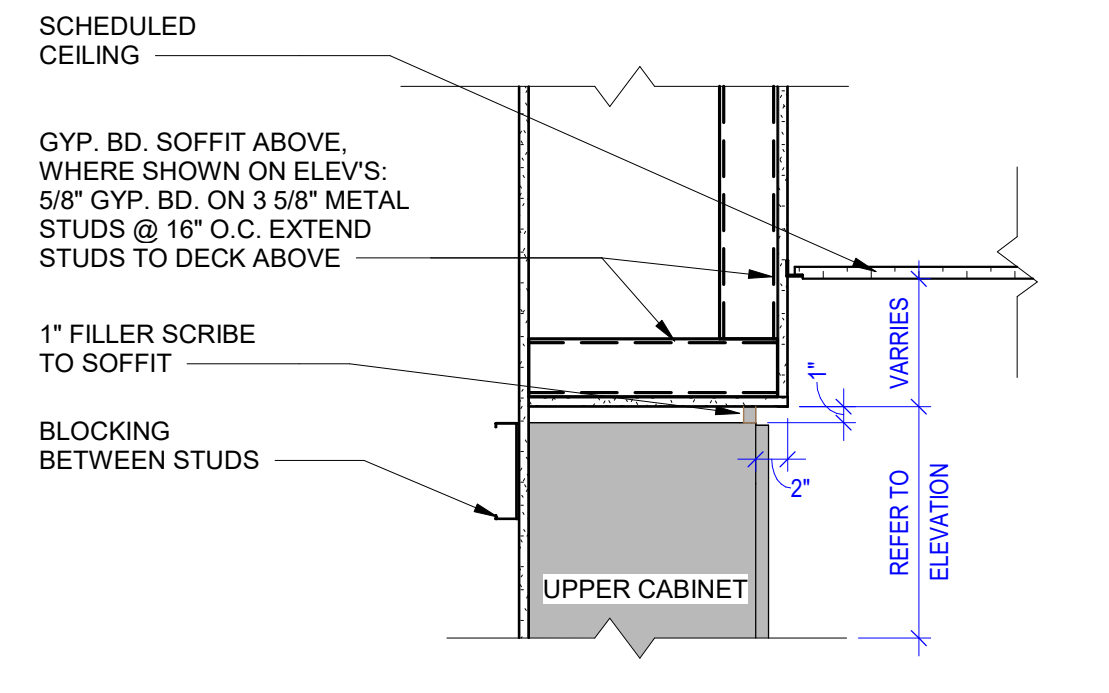
B2 CABINET - SINK W/ UPPERS
1" = 1'-0"



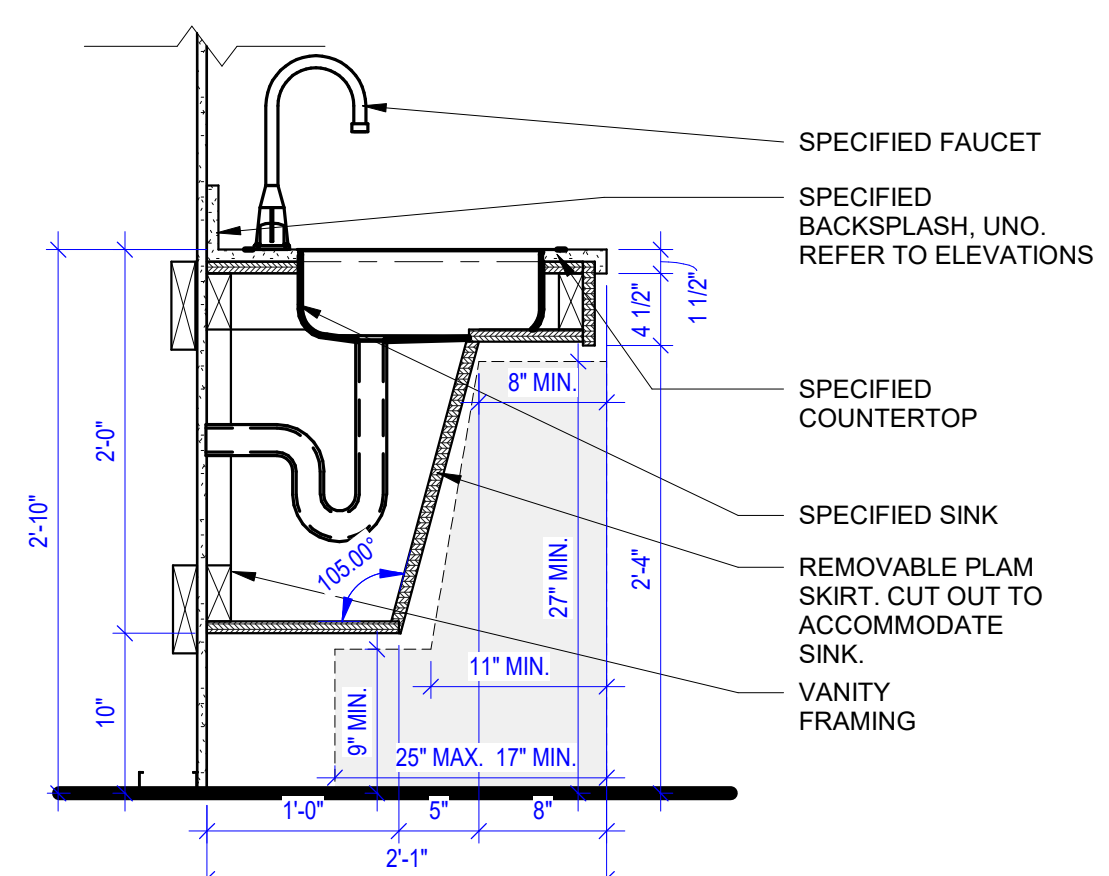
B3 MICROWAVE CABINET
1" = 1'-0"



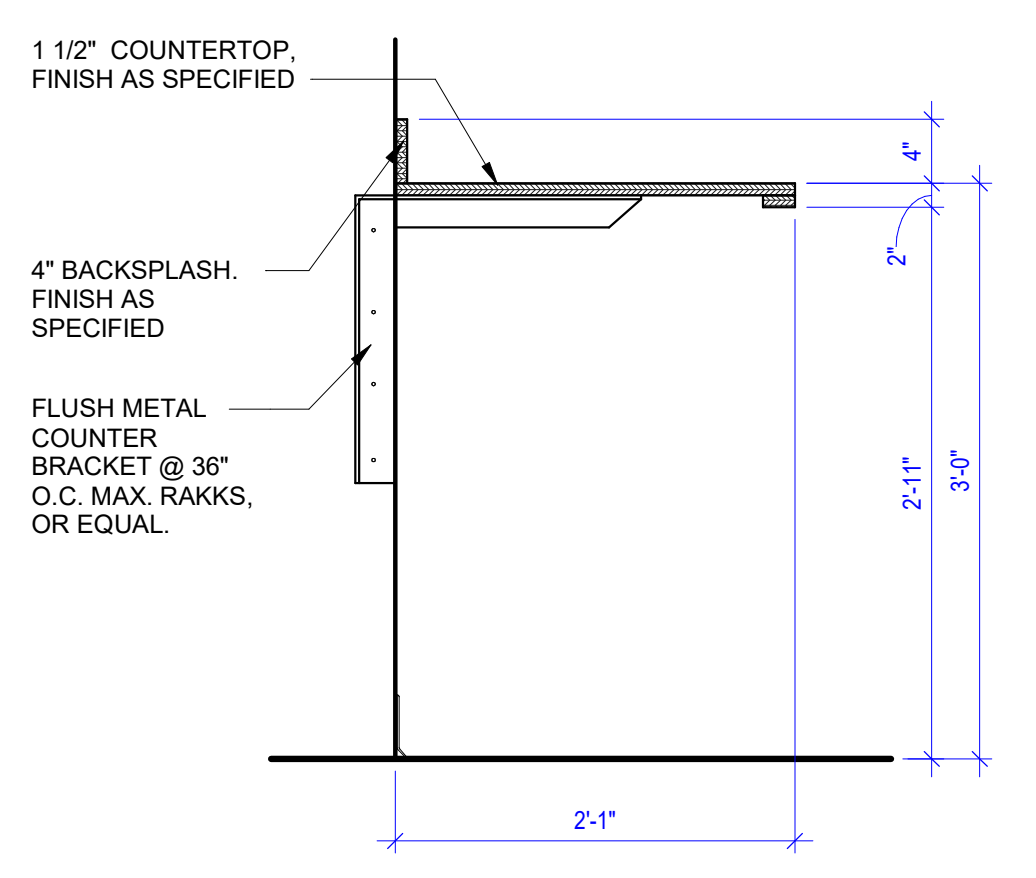
B4 CABINET - REFRIGERATOR UPPERS
1" = 1'-0"



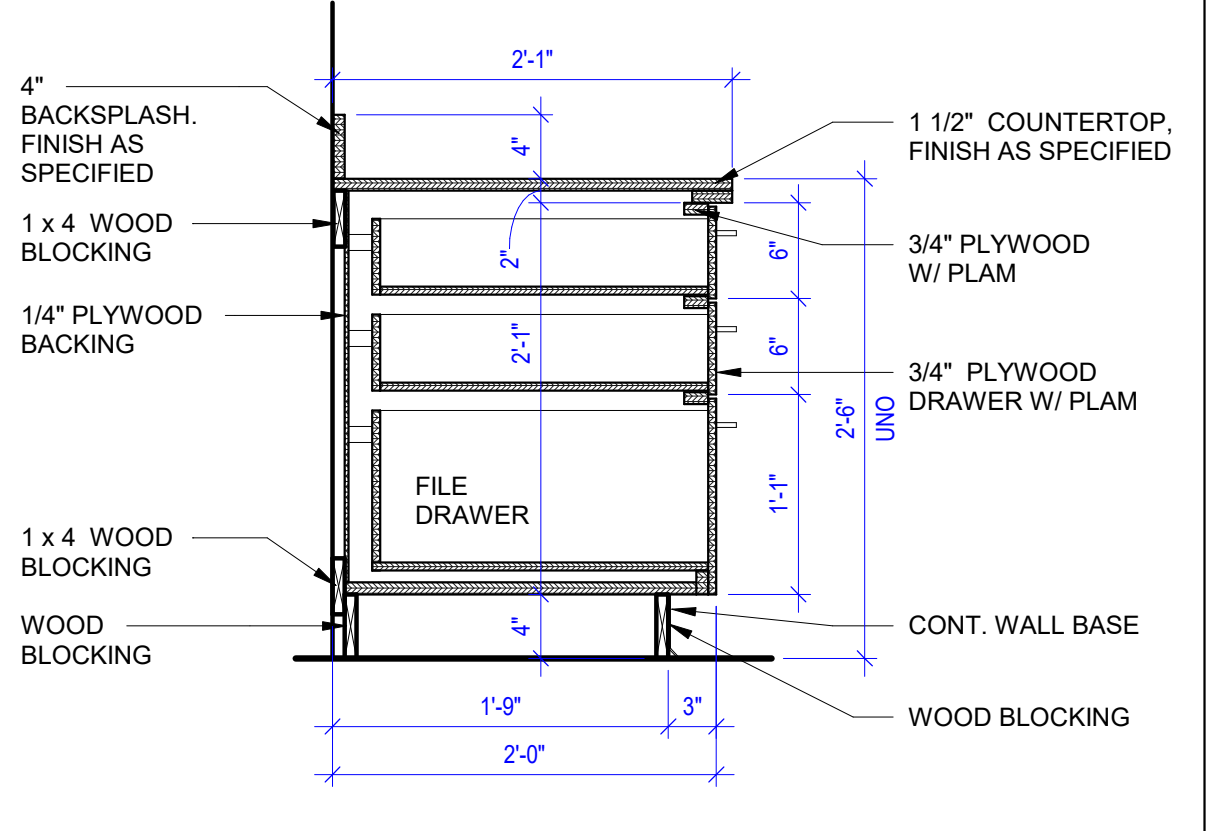
A5 CABINET TOP DETAIL-GYP SOFFIT
1" = 1'-0"



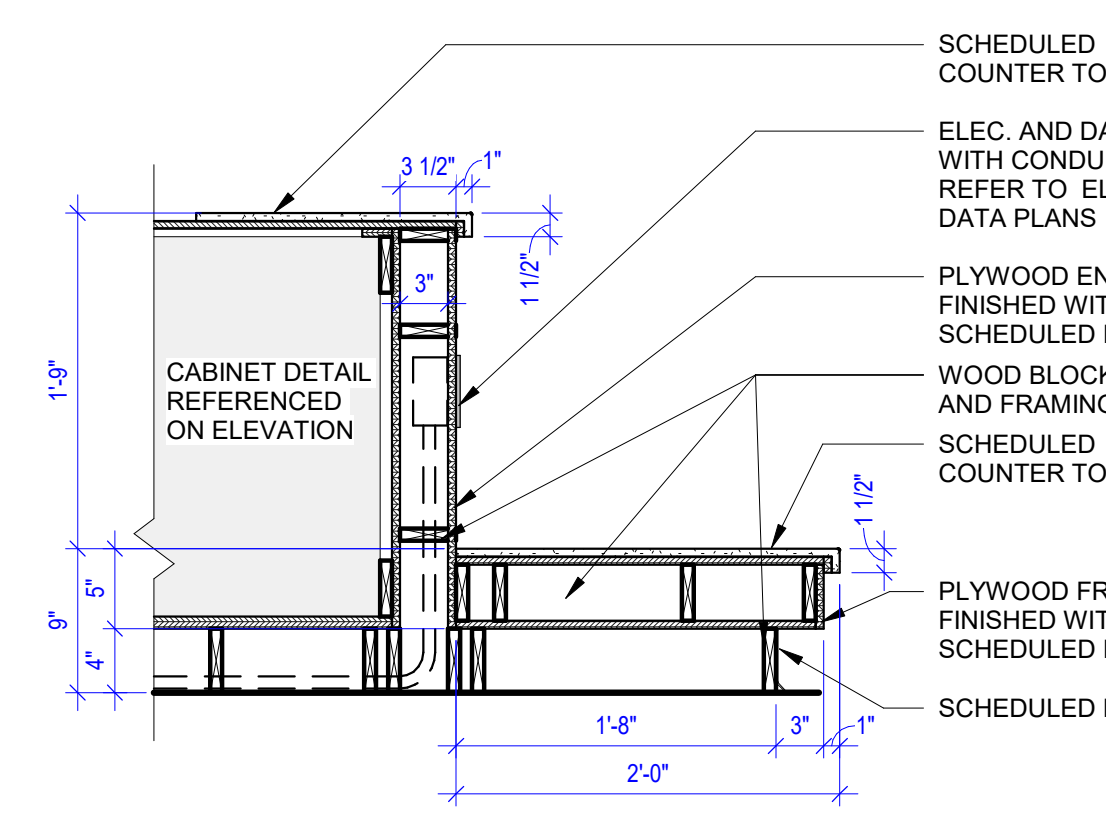
B5 ADA SINK W/PANEL
1" = 1'-0"



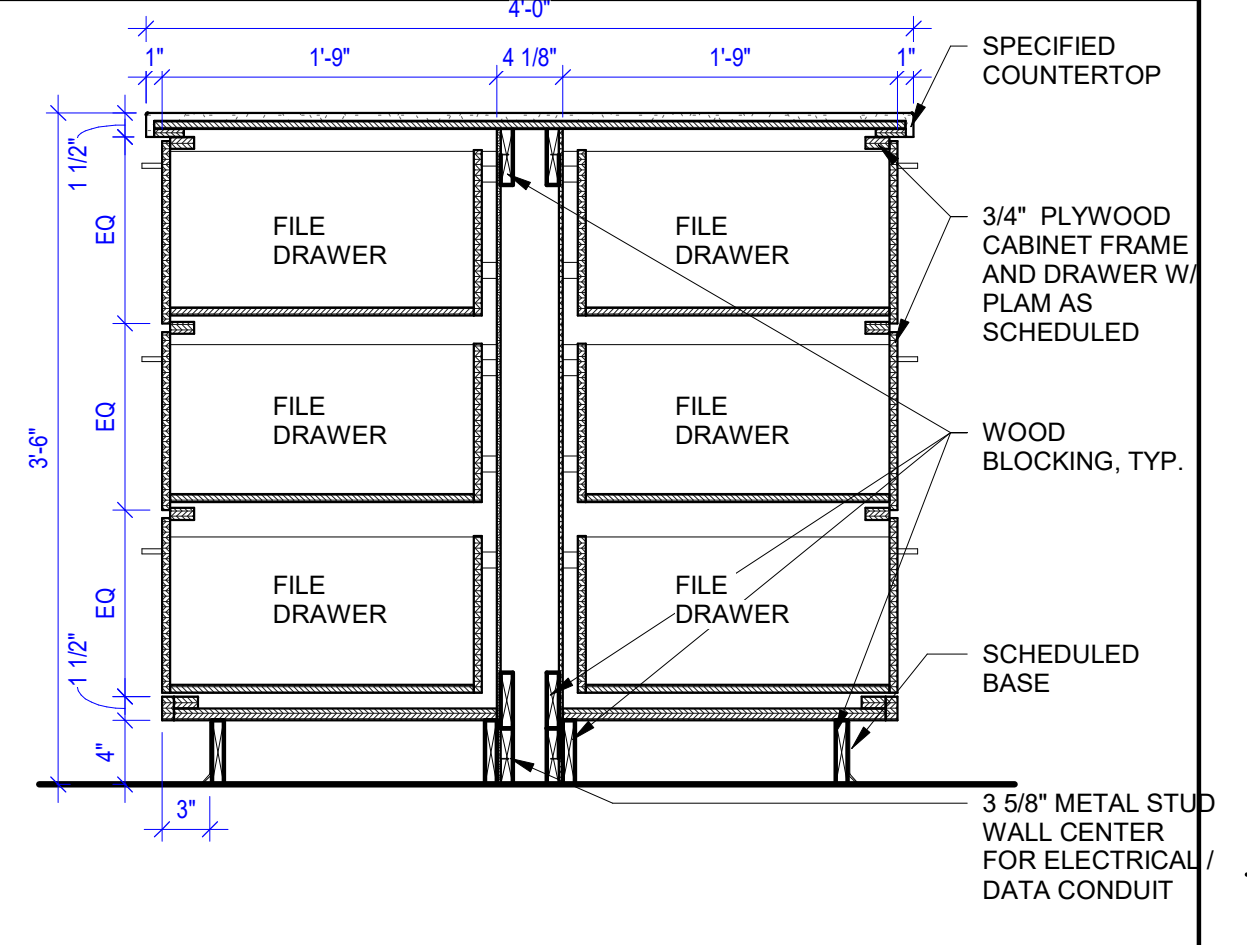
C2 COUNTER W/ CONCEALED BRACKET
1" = 1'-0"



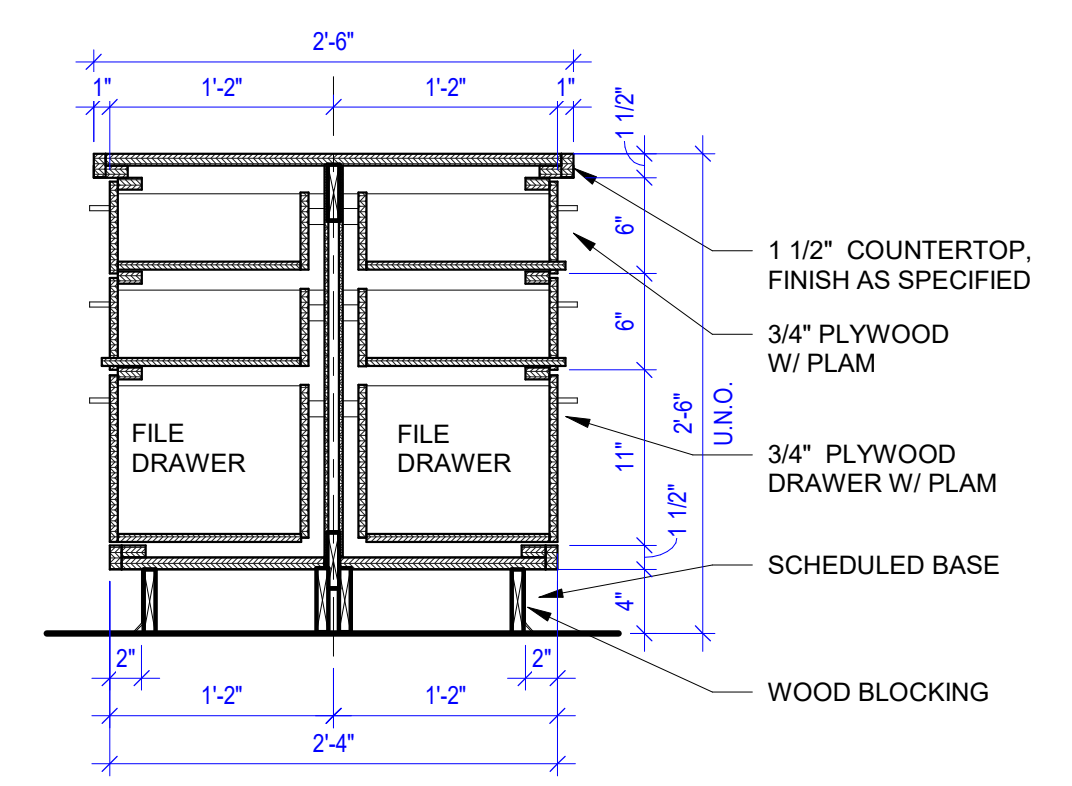
C3 DESK - 3 DRAWER PEDESTAL
1" = 1'-0"



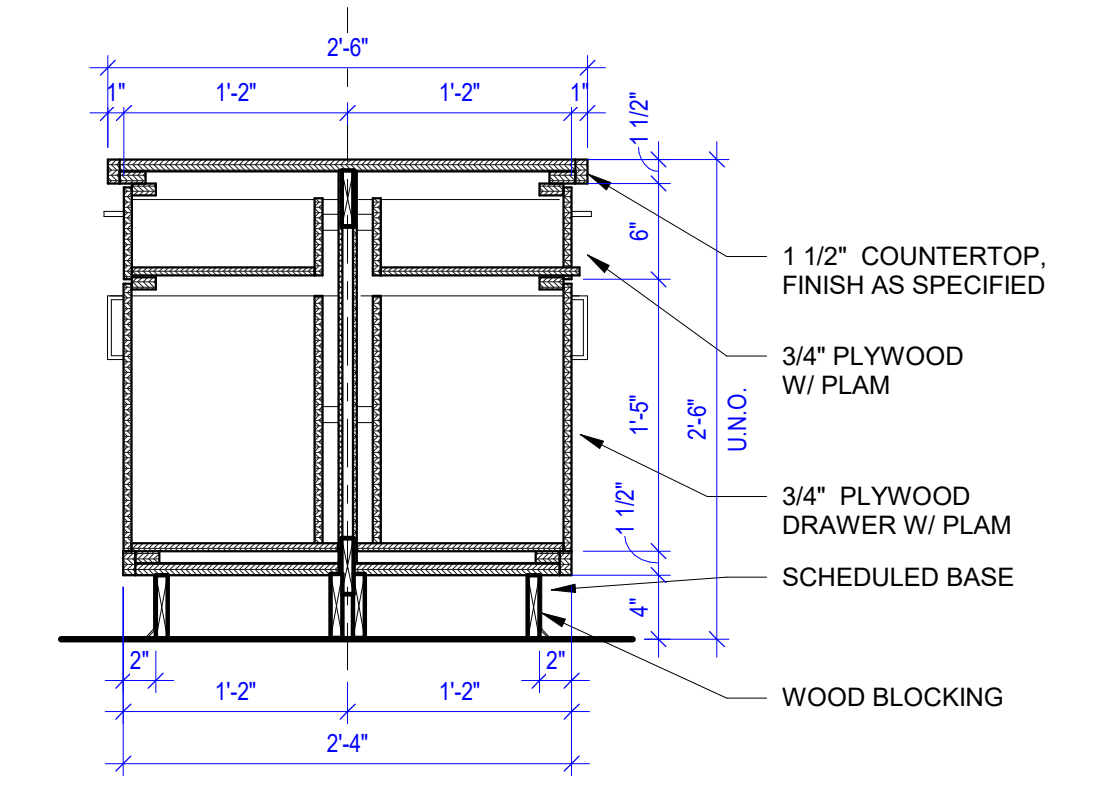
C4 CABINET END PRINTER STAND
1" = 1'-0"



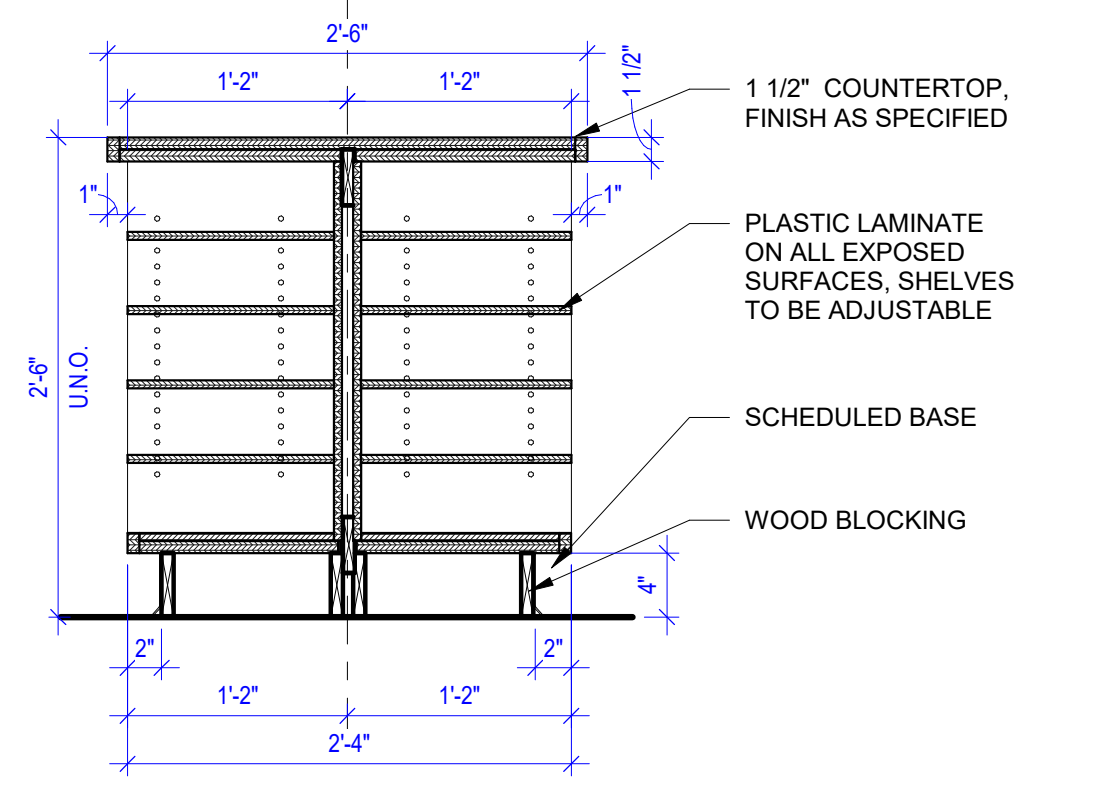
C5 DOUBLE SIDED FILE/FILE ISLAND
1" = 1'-0"



D3 CABINET - DOUBLE SIDED 3 DRAWERS
1" = 1'-0"



D4 CABINET - DOUBLE SIDED DRAWER CABINET
1" = 1'-0"



D5 CABINET - DOUBLE SIDED SHELVING
1" = 1'-0"

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FAYETTE COUNTY, TN

FAYETTE COUNTY HEALTH DEPARTMENT

90 YUM YUM ROAD
SOMERVILLE, TN 38068

CONSTRUCTION DOCUMENTS

REVISIONS

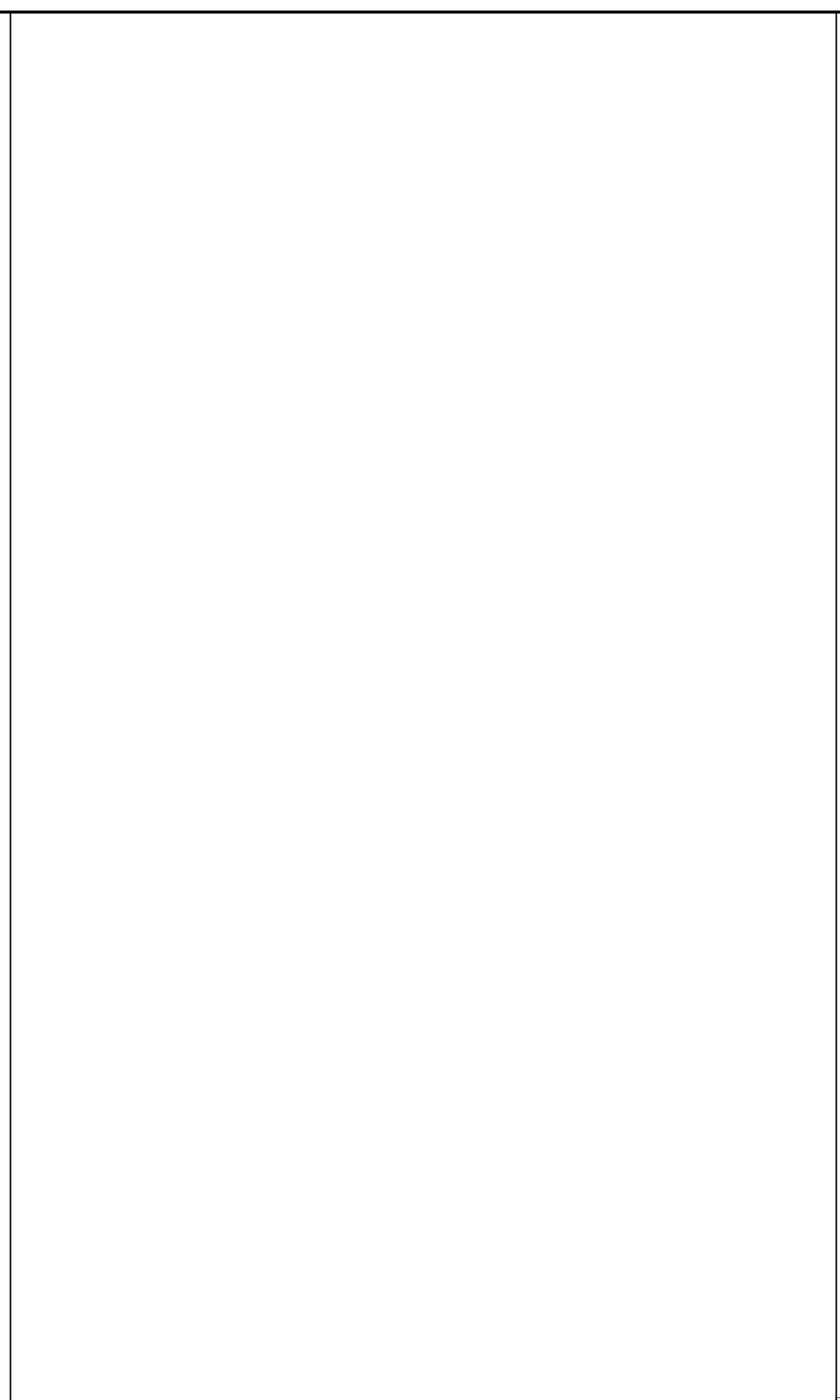
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INTERIOR SECTIONS AND DETAILS

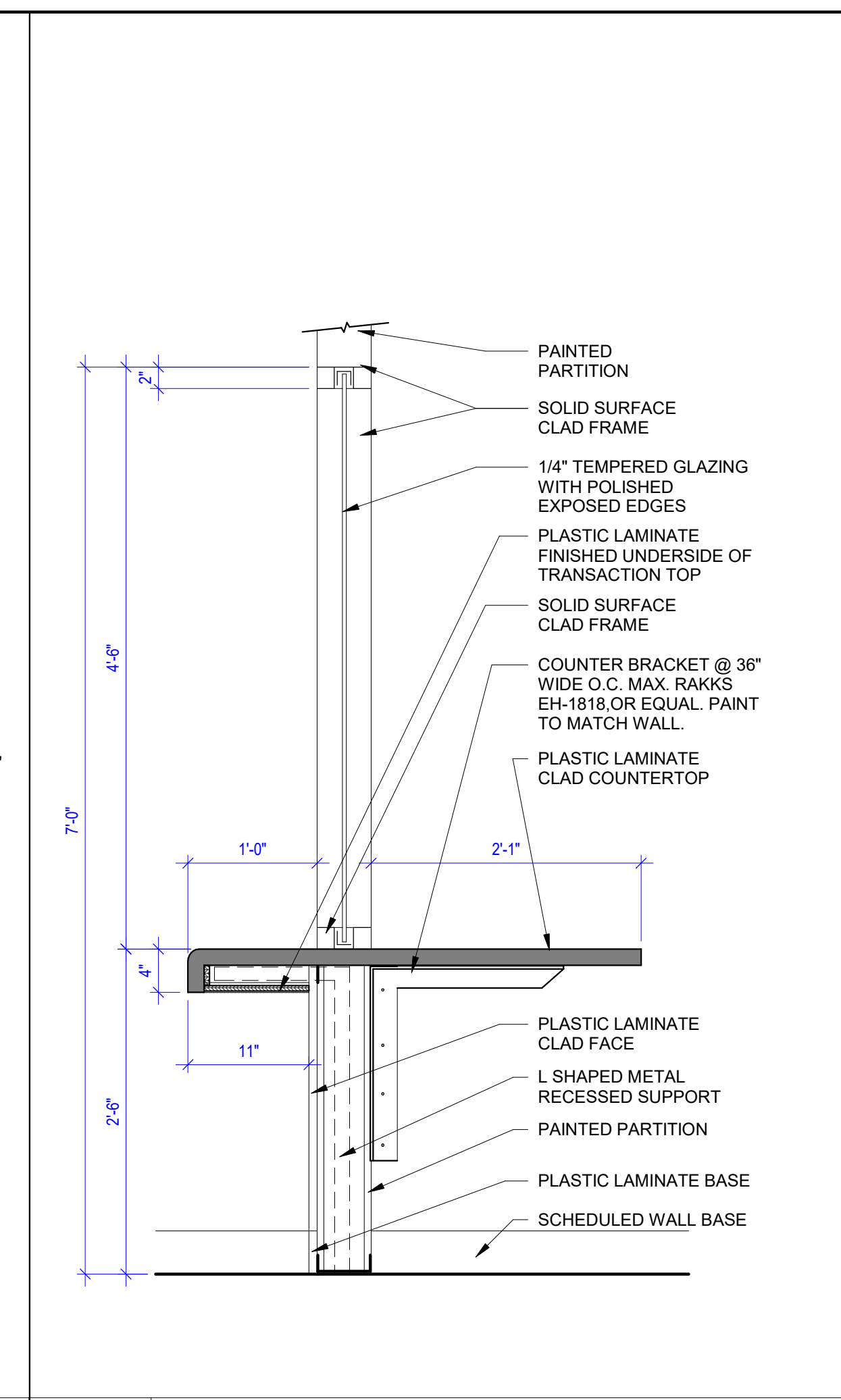
A7.5

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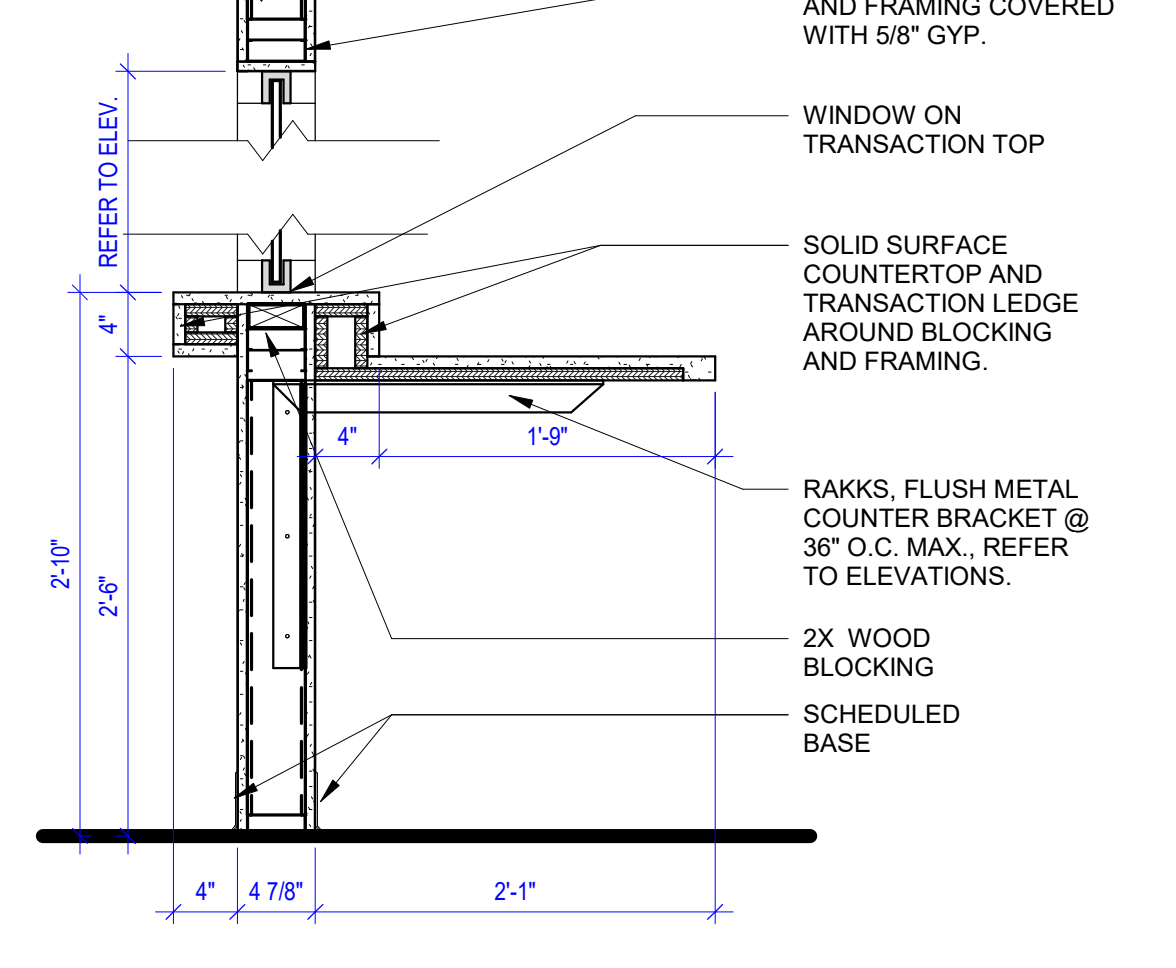
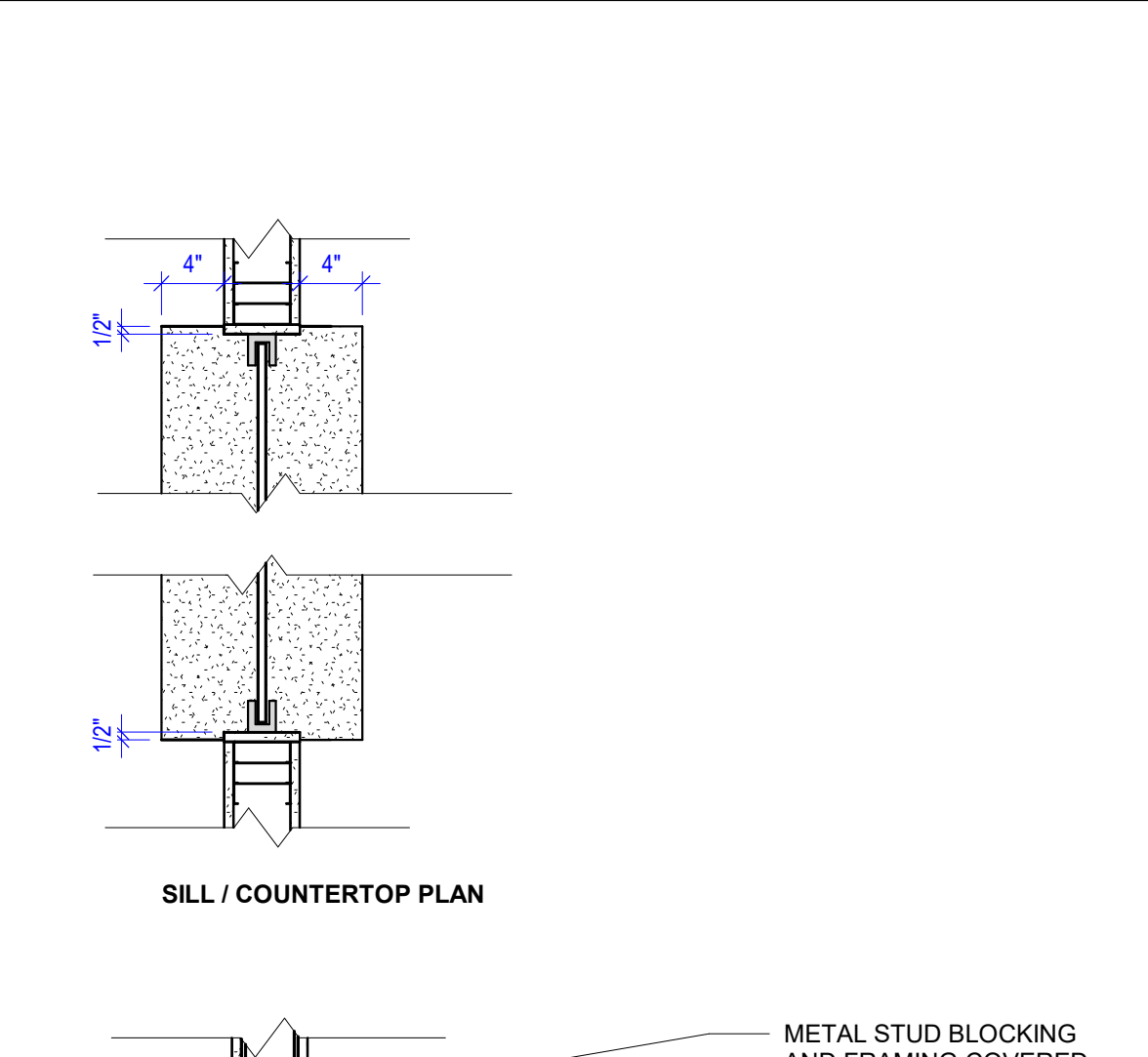
B4 TRANSACTION TOP AT OPENING SECTION DETAIL
1" = 1'-0"



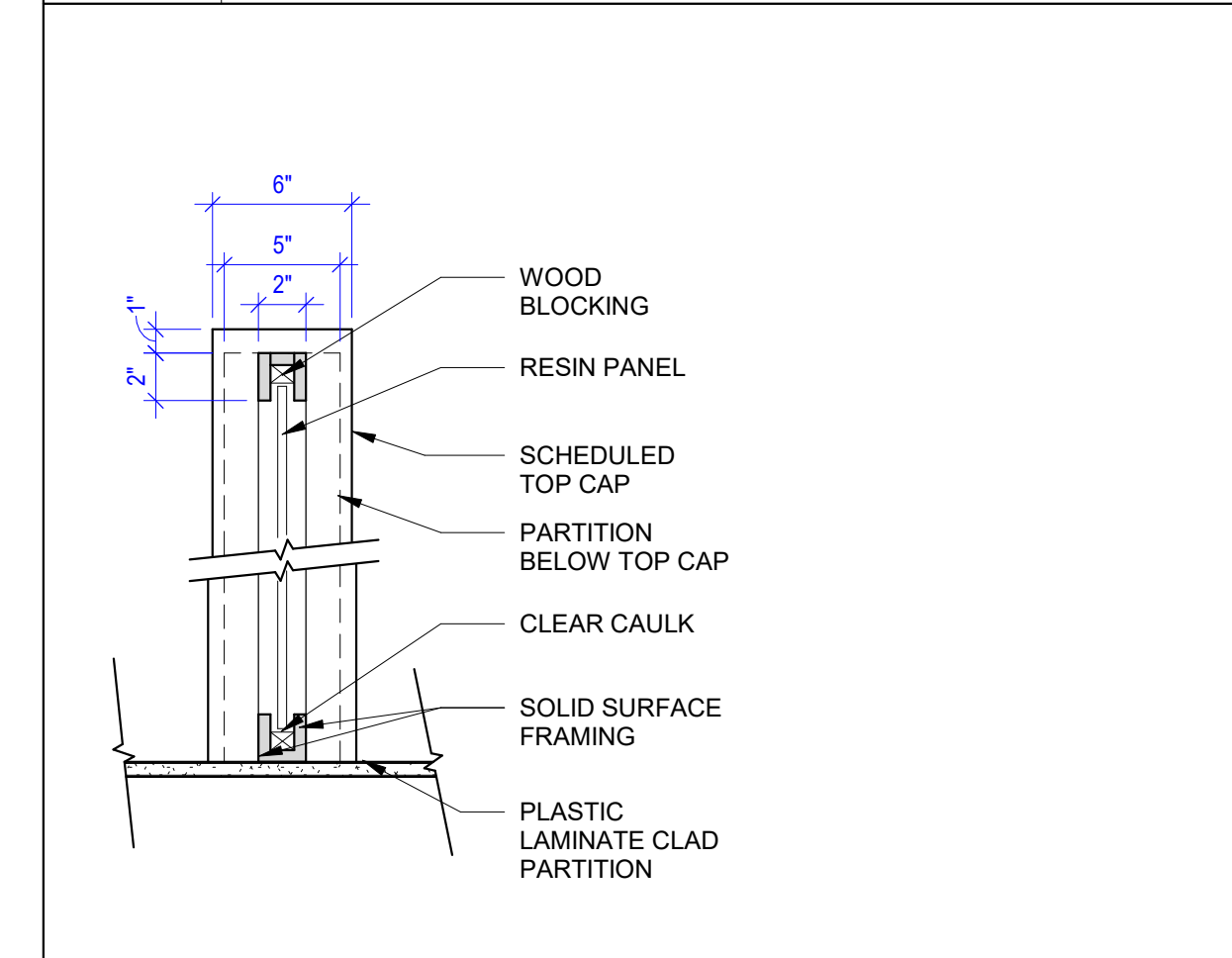
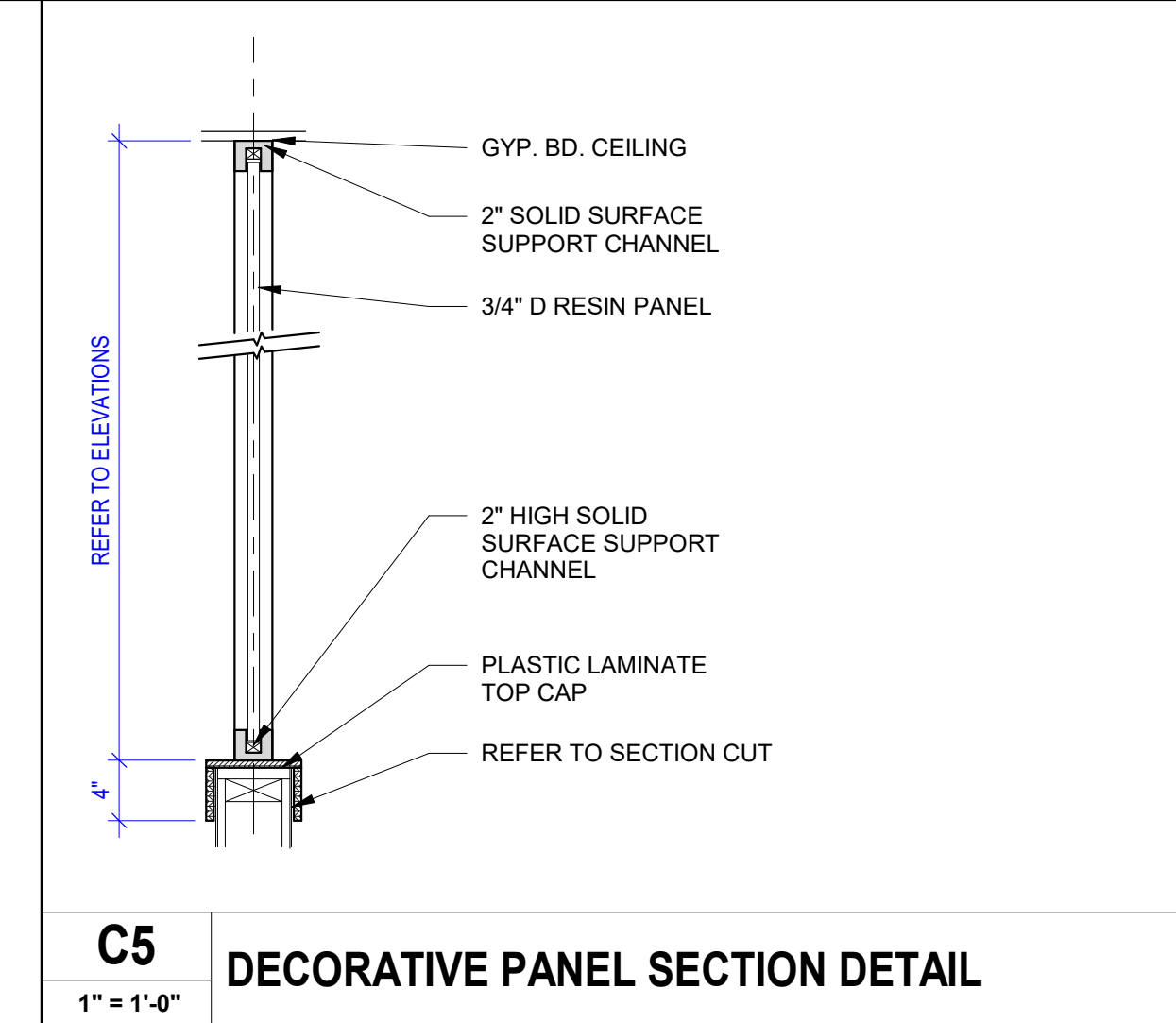
B5 TRANSACTION TOP AT FRAME SECTION DETAIL
1" = 1'-0"



D3 TRANSACTION WINDOW HOLE AND BACKER
1" = 1'-0"



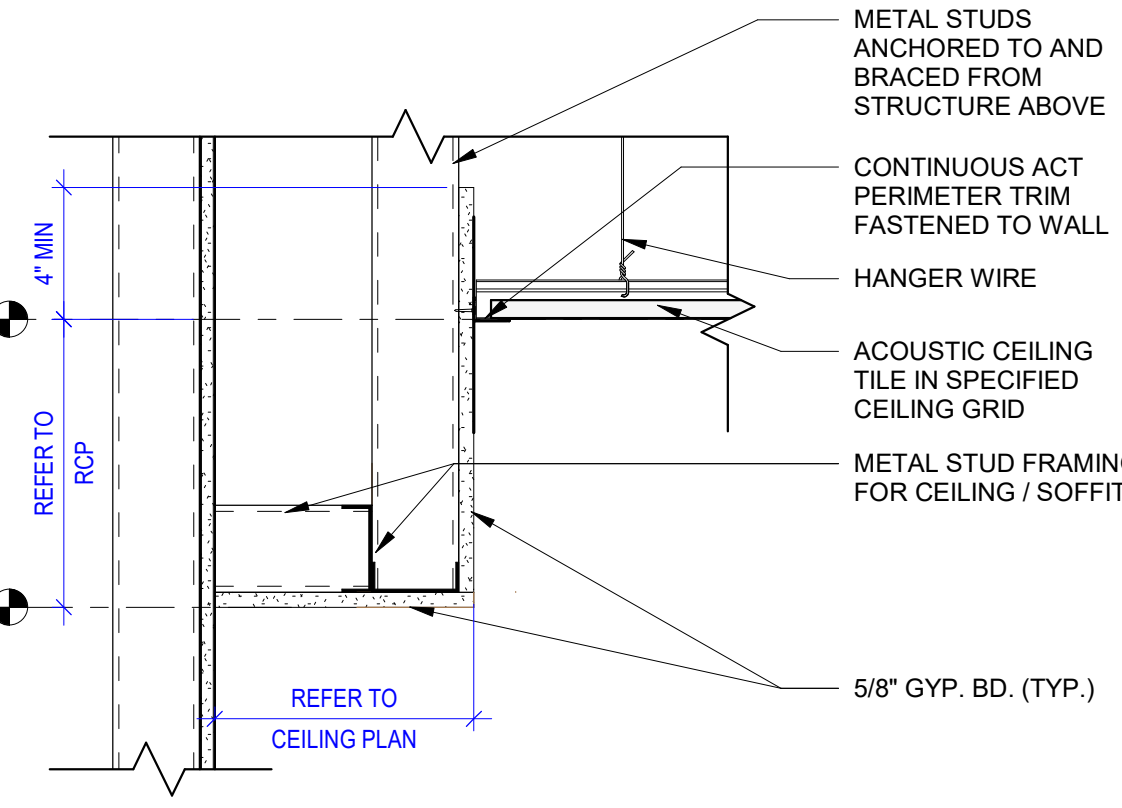
D4 TRANSACTION WINDOW DETAIL
1" = 1'-0"



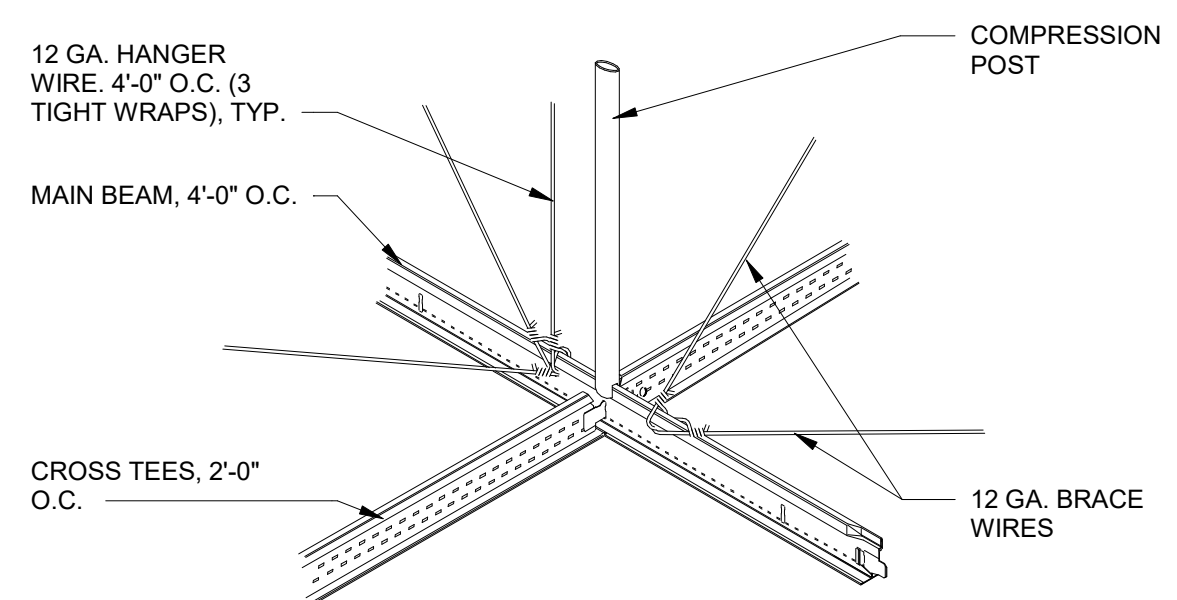
D5 DECORATIVE PANEL PLAN DETAIL
1 1/2" = 1'-0"



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A1
1 1/2" = 1'-0"
CEILING SOFFIT DETAIL



1. COMPRESSION POSTS REQUIRED IN SEISMIC ZONES D, E, AND F, 12'-0" O.C. IN BOTH DIRECTIONS, STARTING 6'-0" FROM WALLS FOR CEILINGS GREATER THAN 1,000 S.F.

2. BRACING WIRES TO BE ATTACHED A MAXIMUM OF 45° TO THE PLANE OF THE CEILING AND PARALLEL TO THE COMPONENTS AT THE BRACING POINT. BRACE WIRES TO BE TAUT AND TIED BOTH ENDS WITH THREE TIGHT WRAPS.

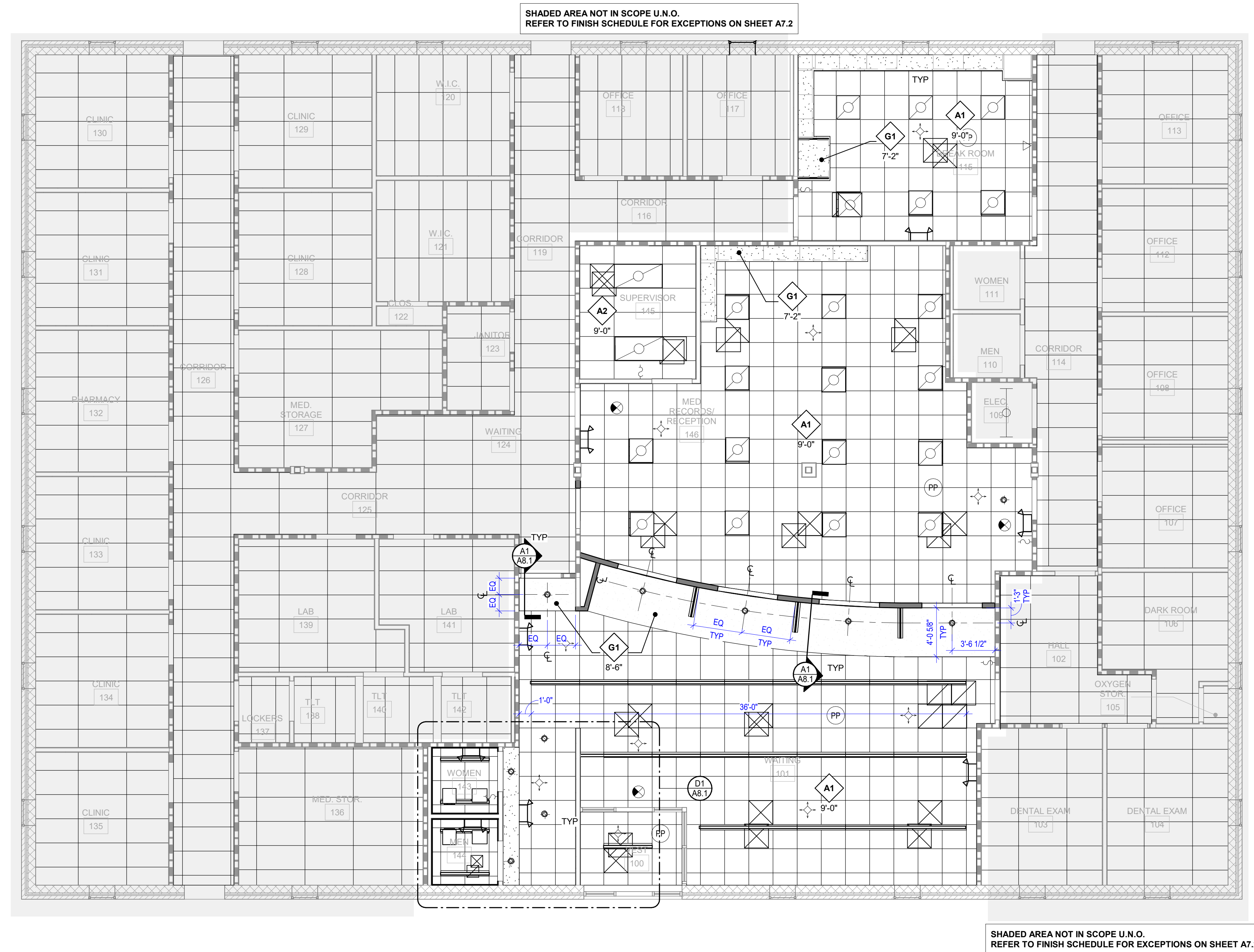
A2
3" = 1'-0"
SEISMIC BRACING DETAIL

CEILING SCHEDULE				
TYPE	DESCRIPTION / MODEL	EDGE PROFILE	SUSPENSION SYSTEM	COMMENTS
A1	ARMSTRONG 1732 2X2	ANGLED REGULAR 15/16	15/16 EXPOSED TEE	
A2	ARMSTRONG 1728 2X4	SQUARE LAY-IN 15/16	15/16 EXPOSED TEE	
G1	GYPSUM BOARD, SMOOTH, PAINTED	N/A	LIGHT GAGE METAL FRAMING @16" O.C. U.N.O.	PNT-1 U.N.O.

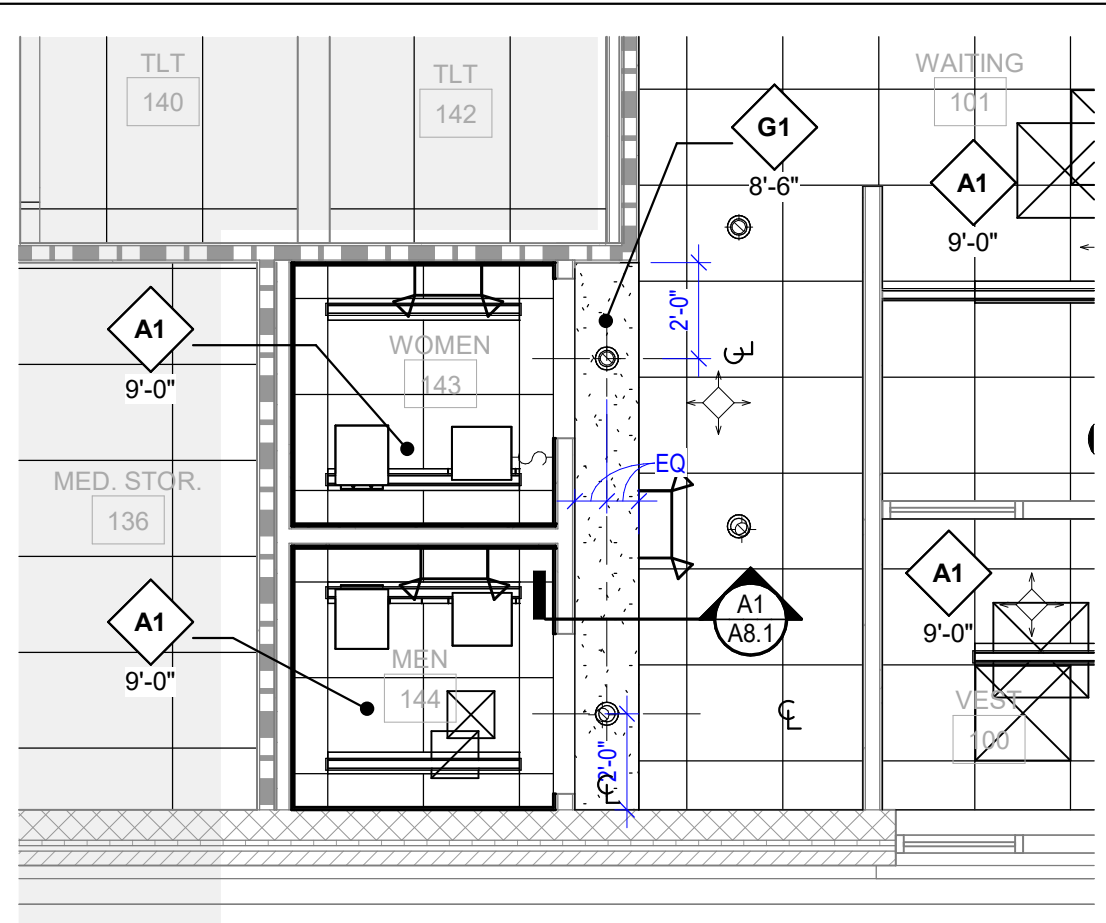
WALL LEGEND	
	DEMO WALL
	EXISTING WALL
	NEW WALL
	1 HOUR RATED BARRIER
	2 HOUR RATED BARRIER

N.T.S.
WALL LEGEND - REMODEL

CEILING LEGEND	
	RECESSED 2X4 LIGHTING FIXTURE
	RECESSED 2X4 EMERGENCY LIGHTING FIXTURE
	SURFACE OR PENDANT MOUNTED STRIP OR INDUSTRIAL LIGHTING FIXTURE
	SURFACE OR PENDANT MOUNTED STRIP OR INDUSTRIAL EMERGENCY LIGHTING FIXTURE
	RECESSED LIGHTING FIXTURE
	RECESSED EMERGENCY LIGHTING FIXTURE
	EXIT LIGHT
	WALL MOUNTED EMERGENCY EGRESS LIGHT
	EXTERIOR WALL LIGHT
	INTERIOR WALL LIGHT
	OCCUPANCY SENSOR
	SMOKE DETECTOR
	INTERCOM SPEAKER
	CONCEALED SPRINKLER
	EXPOSED SPRINKLER
	WALL SPRINKLER
	FIRE ALARM HORN
	FIRE ALARM STROBE
	EXHAUST
	RETURN
	SUPPLY
	SUPPLY
	2 x 2 ACOUSTIC CEILING TILE
	2 x 4 ACOUSTIC CEILING TILE
	GYP. BD. CEILING
	CEILING TAG
	CEILING TYPE (REFER TO CEILING SCHEDULE)
	HEIGHT ABOVE FINISHED FLOOR

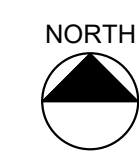


SHADED AREA NOT IN SCOPE U.N.O.
REFER TO FINISH SCHEDULE FOR EXCEPTIONS ON SHEET A7.2



D1
1/4" = 1'-0"
ENLARGED RCP - PUBLIC RESTROOMS

D2
3/16" = 1'-0"
REFLECTED CEILING PLAN

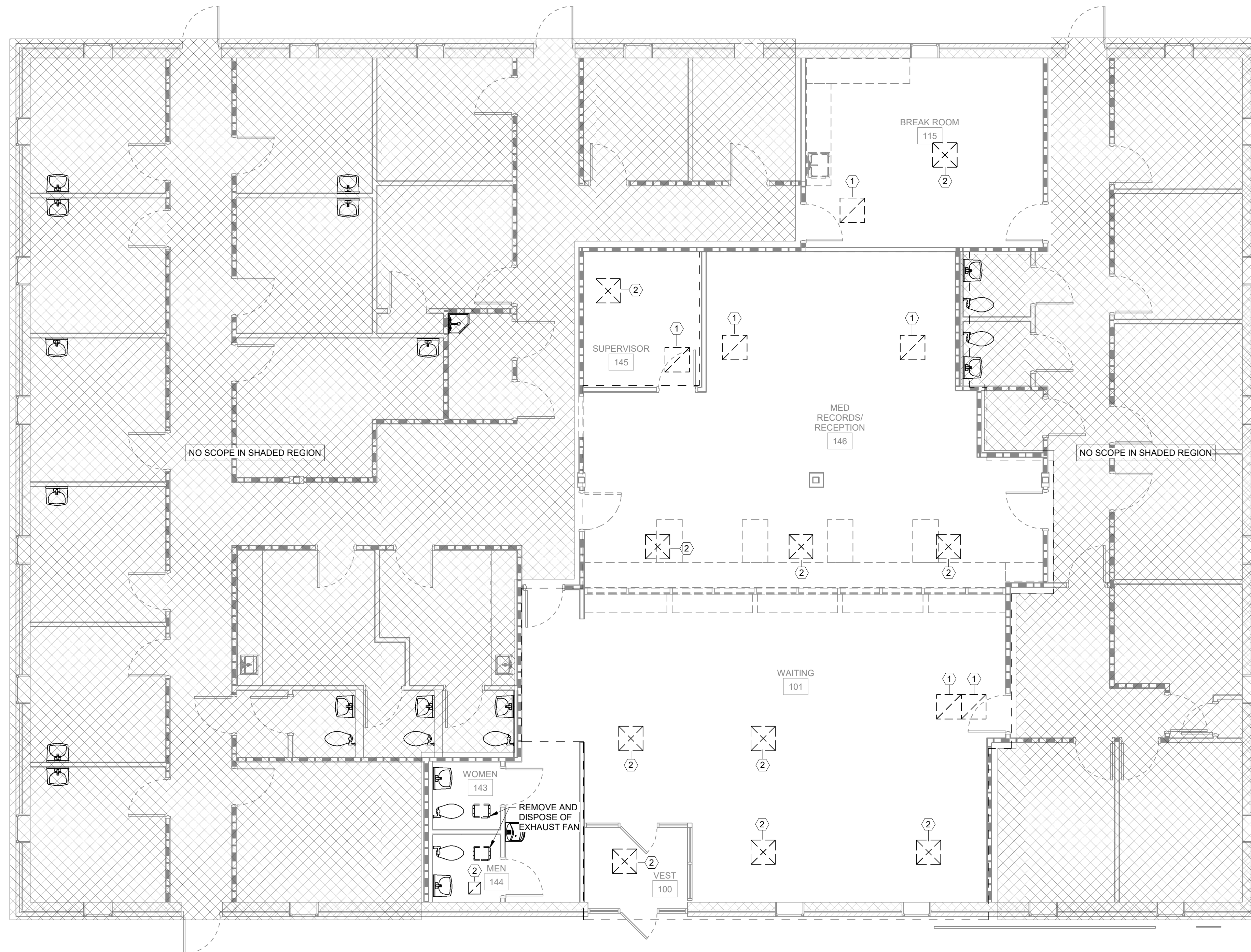


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KEYNOTE LEGEND	
KEY	DESCRIPTION
1	REMOVE AND DISPOSE OF RETURN AIR REGISTER.
2	REMOVE AND DISPOSE OF SUPPLY AIR DIFFUSER.

A1
N.T.S. KEYNOTE LEGEND



D2
3/16" = 1'-0" DEMOLITION HVAC FLOOR PLAN



FAYETTE COUNTY,
TN

FAYETTE COUNTY
HEALTH
DEPARTMENT

FAYETTE COUNTY
CONSTRUCTION
DOCUMENTS
REVISIONS

PROJECT	DATE
N/A	JUNE 20, 2024
DRAWN	CHECKED
RAN	NDS

HVAC FLOOR PLAN -
DEMOLITION

M0.1

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- HVAC GENERAL PROJECT NOTES:**
- COORDINATE INSTALLATION OF DUCTWORK WITH OTHER DIVISIONS. ALL DUCTWORK ASSOCIATED WITH THE MECHANICAL SYSTEMS SHALL BE INSTALLED AND SECURED PER APPLICABLE BUILDING CODES. PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT INSTALLED ABOVE HARD CEILINGS OR IN FURRED CHASES REQUIRING ACCESS, SUCH AS VOLUME DAMPERS, PIPING VALVES, ETC.
 - MECHANICAL CONTRACTOR SHALL INSTALL VOLUME DAMPERS IN AIR DUCTS TO NEW SUPPLY, RETURN, AND EXHAUST GRILLES, AS APPLICABLE. VOLUME DAMPERS SHALL BE LOCATED FOR ACCESS FROM LAY-IN CEILINGS OR ACCESS DOORS. THERMOSTAT HEIGHT SHALL BE 4'-0" ABOVE FINISHED FLOOR AND SHALL BE ALIGNED WITH LIGHT SWITCH WHERE SHOWN AT THE SAME LOCATION. MANUAL BALANCING DAMPERS SHALL BE LOCATED WHERE OPERATORS ARE ACCESSIBLE.
 - DUCT SIZES SHOWN ARE NET DIMENSIONS MEASURED FROM THE INSIDE (UNLESS OTHERWISE NOTED).
 - PROVIDE FLEXIBLE CONNECTIONS TO DUCTWORK AT ALL INDOOR UNITS, AS APPLICABLE.
 - COORDINATE EXACT LOCATION OF ALL PIPING AND DUCT PENETRATIONS OF WALLS WITH STRUCTURAL BRACING.
 - WHERE PIPING IS ROUTED THROUGH EXTERIOR WALL OF BUILDING PROVIDE "LINK SEAL" AND SLEEVES FOR PENETRATION OF WALL.
 - DUCT LOCATIONS THROUGH MASONRY PARTITIONS AND BEARING WALLS MUST BE COORDINATED WITH OTHER OPENINGS AND WALL REINFORCING REQUIREMENTS SO THAT STRENGTH OF WALL IS NOT IMPAIRED.
 - EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THE 2015 IMC. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION PER 2015 IMC, SECTION 304.1. WHERE CONFLICTS EXIST BETWEEN THE DRAWINGS, 2015 IMC, AND THE CONDITIONS OF THE LISTING OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE PROVISIONS OF 2015 IMC SHALL APPLY. WHERE A CODE PROVISION IS LESS RESTRICTIVE THAN THE CONDITIONS OF THE LISTING OF THE EQUIPMENT OR APPLIANCE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL APPLY.
 - PERMITS SHALL BE APPLIED FOR BY A LICENSED MECHANICAL, GAS OR FIRE PROTECTION CONTRACTOR.
 - PROTECTION OF HVAC SYSTEM DURING CONSTRUCTION: ALL HVAC EQUIPMENT SHALL BE PROTECTED FROM DUST AND OTHER PARTICULATE MATTER. ALL SITE AND/OR INSTALLED ABSORPTIVE MATERIALS SHALL BE PROTECTED FROM MOISTURE DAMAGE. ALL DUCT AND EQUIPMENT OPENINGS SHALL BE PROPERLY SEALED.
 - THE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL MECHANICAL LAYOUTS FOR BIDDING PURPOSES ONLY. DRAWINGS ARE NOT SHOP DRAWINGS. THE ABOVE CEILING SPACE IS LIMITED WITH MANY TRADES WORKING IN THE SAME AREA. WORK MUST BE COORDINATED IN DETAIL WITH OTHER TRADES AND EXISTING CONDITIONS TO AVOID CONFLICTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS, FIELD VERIFY ALL EXISTING CONDITIONS, CONFIRM SPACE ALLOCATIONS, AND COORDINATE WITH THE WORK OF OTHER TRADES. MINOR ADJUSTMENTS SHALL BE MADE TO NEW PIPE, DUCT, AND EQUIPMENT LOCATIONS AND SIZES TO MATCH ACTUAL FIELD CONDITIONS SUCH THAT COMPONENTS FIT ABOVE FINISHED CEILINGS IN THE AVAILABLE SPACE. FIELD VERIFY CONDITIONS AND DIMENSIONS, AS NEEDED, PRIOR TO PREPARING SHOP DRAWINGS, ORDERING EQUIPMENT, OR BEGINNING WORK. WHERE A CONFLICT WILL EXIST (FIT, FORM, OR FUNCTION), CONTRACTOR SHALL IMMEDIATELY NOTIFY DESIGN ENGINEER PRIOR TO PROCEEDING WITH WORK.
 - EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION. IMC 304.1
 - A LICENSED MECHANICAL AND OR GAS CONTRACTOR SHALL OBTAIN A PERMIT(S) PRIOR TO COMMENCING ANY WORK FOR WHICH THE MECHANICAL OR GAS CODE REQUIRE A PERMIT.

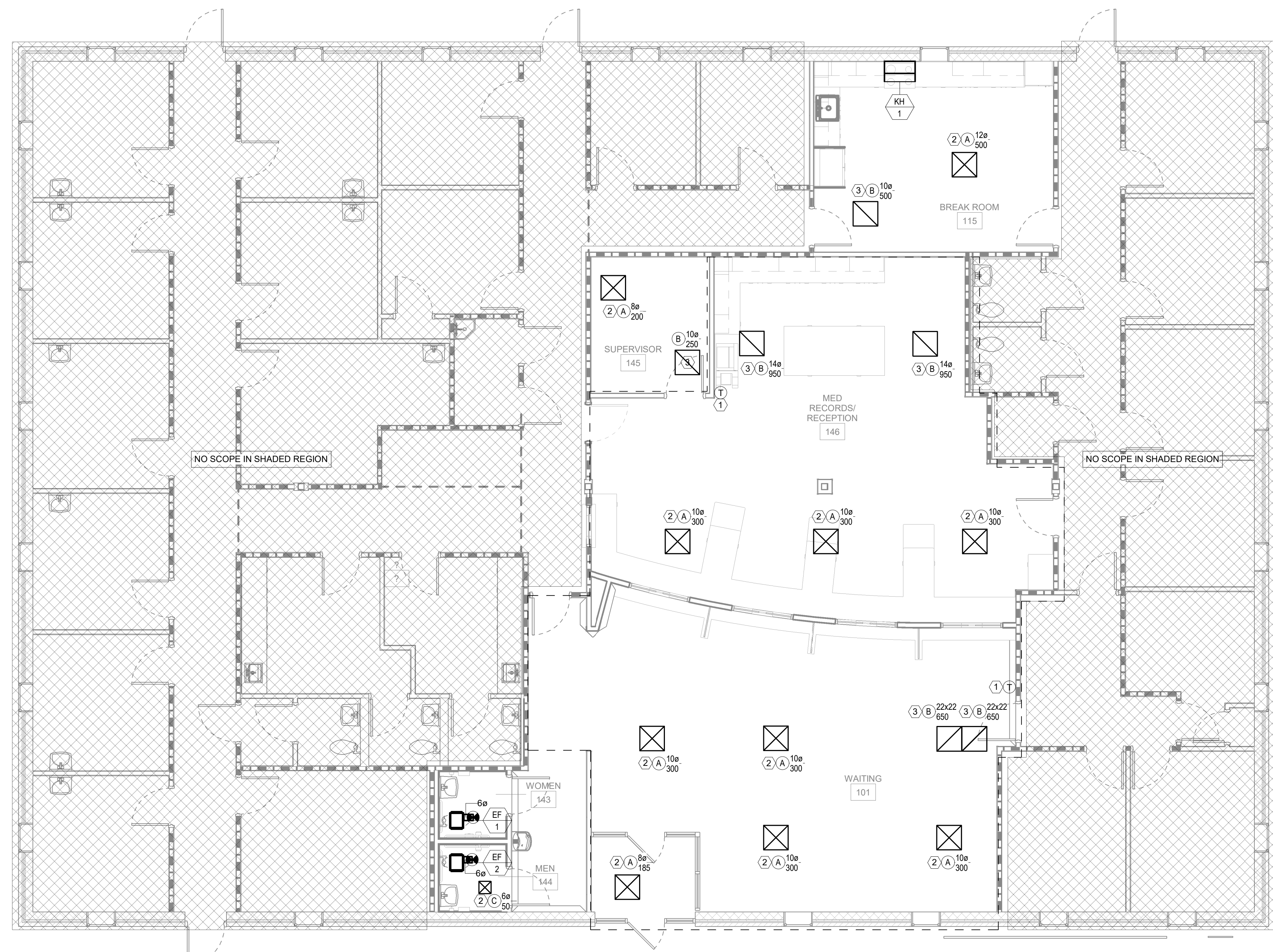
HVAC LEGEND	
SYMBOL	DESCRIPTION
	MANUAL VOLUME DAMPER
	SUPPLY DIFFUSER
	RETURN/AIR TRANSFER DIFFUSER
	EXHAUST DIFFUSER
	THERMOSTAT (48" A.F.F.)
	NEW PLAN KEY NOTE
	MECHANICAL EQUIPMENT TAG X=ABBREVIATION X=UNIT NUMBER

KEYNOTE LEGEND	
KEY	DESCRIPTION
1	APPROX. LOCATION OF EXISTING THERMOSTAT, TO REMAIN IN PLACE.
2	INSTALL NEW SUPPLY AIR DIFFUSER TO ALIGN WITH NEW CEILING GRID. USE UP TO 5 FT. FLEXIBLE DUCT FOR CONNECTION TO EXISTING AIR DISTRIBUTION SYSTEM.
3	INSTALL NEW RETURN AIR DIFFUSER TO ALIGN WITH NEW CEILING GRID. USE UP TO 5 FT. FLEXIBLE DUCT FOR CONNECTION TO EXISTING AIR DISTRIBUTION SYSTEM.

A2
N.T.S. HVAC LEGEND

A3
N.T.S. KEYNOTE LEGEND

B1
N.T.S. HVAC GENERAL NOTES

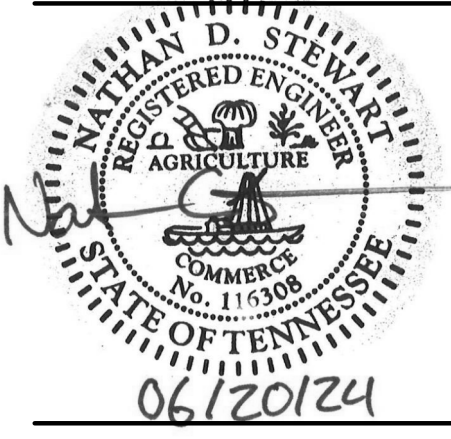


D2
3/16" = 1'-0" OVERALL HVAC FLOOR PLAN

- HVAC GENERAL NOTES:**
- CONTRACTOR SHALL REPLACE ALL FLEX DUCT REMOVED, IF NOT OTHERWISE NOTED AS CHANGED BELOW.
 - CONTRACTOR IS RESPONSIBLE FOR AND SHALL BALANCE DIFFUSERS TO AIRFLOWS AS SHOWN IN VIEW.

THESE DRAWINGS ARE DIAGRAMMATIC COORDINATION OF ALL TRADES AND COMPLIANCE WITH DIMENSIONS ON ARCHITECTURAL AND STRUCTURAL DRAWINGS ARE REQUIRED

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DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING
SECTION 23 00 00 - GENERAL PROVISIONS - MECHANICAL
PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. DRAWINGS AND THE GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS, AND ALL OTHER GENERAL REQUIREMENTS OF THESE SPECIFICATIONS SHALL BE CONSIDERED A COMPONENT OF THIS DIVISION OF THE SPECIFICATIONS.
- B. THIS SECTION OF THE SPECIFICATIONS INCLUDES GENERAL PROVISIONS APPLICABLE TO ALL WORK OF DIVISION 23.
- C. THIS CONTRACTOR SHALL EXAMINE ALL OTHER DIVISIONS OF THE SPECIFICATIONS AND ALL DRAWINGS FOR THE PROJECT AND SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE PROJECT THAT MAY AFFECT HIS WORK.

1.02 CONTRACT DOCUMENTS

- A. REFER TO AND COMPLY WITH OTHER SECTIONS OF THESE SPECIFICATIONS IN THE INSTALLATION OF ALL MECHANICAL WORK.
- B. DRAWINGS ARE DIAGRAMMATIC; THEREFORE, ALL OFFSETS, FITTINGS, VALVES AND ACCESSORIES ARE NOT SHOWN. PLAN WORK AROUND BUILDING DETAILS AND OTHER CRAFTS.

1.03 CODES, ORDINANCES, INSPECTIONS AND PERMITS

- A. WORK IS TO BE EXECUTED AND INSPECTED IN ACCORDANCE WITH LOCAL AND STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO PARTICULAR CLASS OF WORK, AND ANY FEES IN CONNECTION THEREWITH ARE TO BE PAID BY THE CONTRACTOR.
- B. ARRANGE WITH CITY, OR STATE IF CITY HAS NO ORDINANCES COVERING WORK, FOR COMPLETE INSPECTION, PAYING ALL CHARGES PERTAINING THERETO.

1.04 SHOP DRAWINGS, SUBMITTALS AND SUBSTITUTIONS

- A. SUBMIT WITHIN 30 DAYS AFTER NOTICE TO PROCEED, MANUFACTURER'S CATALOG SHEETS AND/OR SHOP DRAWINGS COVERING ALL PHASES OF WORK INCLUDED IN THIS CONTRACT.
- B. SUBMITTALS SHALL BE COMPLETE, ARRANGED IN SETS AND BOUND IN FOLDERS. NO LOOSE SHEETS OR PARTIAL SUBMITTALS WILL BE ACCEPTABLE.
- C. SUBMITTALS ARE REQUIRED EVEN THOUGH EQUIPMENT BEING FURNISHED IS EXACTLY AS SPECIFIED.
- D. FINAL DECISION AS TO WHETHER OR NOT A SPECIFIC PIECE OF EQUIPMENT MEETS SPECIFICATIONS SHALL REST WITH ARCHITECT-ENGINEER.
- E. SHOULD ANY PROPOSED SUBSTITUTION REQUIRE MODIFICATIONS TO THE ELECTRICAL SYSTEM (I.E., WIRE SIZES, DISCONNECTS, FUSES, ETC.), SUCH MODIFICATIONS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR AND SHALL BE MADE TO THE COMPLETE SATISFACTION OF THE ARCHITECT-ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.

1.05 WARRANTY AND OPERATION INSTRUCTIONS

- A. ALL MATERIALS AND EQUIPMENT SHALL CARRY A FULL YEAR'S WARRANTY FROM TIME OWNER ACCEPTS BUILDING OR THE DATE OF SUBSTANTIAL COMPLETION, WHICHEVER IS EARLIER, REGARDLESS OF START-UP DATE OF EQUIPMENT, UNLESS A LONGER WARRANTY PERIOD IS SPECIFIED UNDER OTHER PARAGRAPHS OF THIS SECTION.
- B. TURN OVER TO OWNER ALL OPERATION INSTRUCTIONS AND WARRANTIES WITH EQUIPMENT.

1.06 EQUIPMENT CONNECTIONS

- A. EACH EQUIPMENT ITEM, WITH DRAIN CONNECTIONS, SHALL BE PROVIDED WITH A PROPERLY SIZED DRAIN RUN TO THE NEAREST FLOOR DRAIN OR AS DIRECTED.
- B. FINISH AND MAKE FINAL CONNECTION TO ALL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF THESE SPECIFICATIONS OR BY THE OWNER.
- C. CONTRACTOR SHALL INSTALL ROUGH-INS ONLY AFTER HE HAS RECEIVED APPROVED SHOP DRAWINGS OR HAS OBTAINED DRAWINGS AND/OR SPECIFICATIONS FOR EQUIPMENT PROVIDED BY OWNER AND/OR OWNER'S VENDOR.

1.07 FLASHINGS

- A. ROOF FLASHINGS ARE TO BE FURNISHED AND INSTALLED UNDER THE ROOFING DIVISION OF THESE SPECIFICATIONS.

1.08 CUTTING AND PATCHING

- A. PROVIDE ALL CUTTING AND PATCHING REQUIRED TO PERFORM THE MECHANICAL WORK.
- B. ALL PATCHING SHALL BE DONE BY WORKMEN SKILLED IN THE TRADE REQUIRED.

1.09 EXCAVATION, TRENCHING AND BACKFILLING

- A. ALL EXCAVATION, TRENCHING AND BACKFILLING IN CONNECTION WITH THE MECHANICAL SYSTEM IS INCLUDED AS PART OF THIS DIVISION.
- B. ALL EXCAVATION REQUIRED SHALL BE DONE AS PART OF THE BID PRICE REGARDLESS OF ANY IMPLIED CONDITIONS ON THE PLANS OR IN THESE SPECIFICATIONS.

1.10 SUPPORTS & FOUNDATIONS

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MISCELLANEOUS SUPPORTING SYSTEMS.
- B. PROVIDE ADEQUATE PIPE, EQUIPMENT FOUNDATION AND SUSPENSION SYSTEMS IN ACCORDANCE WITH RECOGNIZED ENGINEERING PRACTICES.
- C. PIPE HANGERS SHALL BE EQUAL TO THOSE MANUFACTURED BY B-LINE.

1.11 ELECTRICAL

- A. FURNISH AND INSTALL ALL ELECTRICAL INTERLOCK AND CONTROL WIRING FOR PROPER OPERATION AND CONTROL OF ALL MECHANICAL EQUIPMENT.
- B. SUPERVISE AND COORDINATE ALL ELECTRICAL WORK IN CONNECTION WITH MECHANICAL SYSTEM.
- C. FURNISH ALL MOTOR CONTROLLERS OR CONTACTORS FOR PROPER OPERATION OF ALL MOTORS.

1.12 TESTING AND ADJUSTING

- A. TEST ALL PIPING SYSTEMS.
- B. PERFORM OPERATIONAL TESTING OF HVAC EQUIPMENT AND BALANCING OF AIR DISTRIBUTION SYSTEM. BALANCING SHALL BE PERFORMED BY AN AGENCY CERTIFIED BY THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). ALL WORK SHALL BE BY QUALIFIED TECHNICIANS UNDER DIRECT SUPERVISION OF A CERTIFIED TEST AND BALANCE ENGINEER. PROVIDE A FINAL TEST AND BALANCE REPORT TABULATING RESULTS OF AIR BALANCE. DIFFUSERS SHALL BE BALANCED TO WITHIN 10 PER CENT OF DESIGN REQUIREMENTS.
- C. OPERATE ALL HVAC EQUIPMENT FOR A SUFFICIENT PERIOD OF TIME TO DEMONSTRATE THAT IT IS OPERATING PROPERLY.
- D. CONTRACTOR WILL BE REQUIRED TO MAKE ADJUSTMENT AS NECESSARY DURING THE FIRST YEAR.

PART 2 - HVAC

2.01 EQUIPMENT

- A. EQUIPMENT SHALL BE EQUAL TO THAT SCHEDULED ON THE DRAWINGS.
- B. ALL EXPOSED ROTATING MACHINERY SHALL BE EQUIPPED WITH GUARDS.
- C. ALL REFRIGERATION COMPRESSORS SHALL CARRY AN ADDITIONAL FOUR-YEAR WARRANTY.

2.02 PIPING

- A. REFRIGERANT: TYPE "K" COPPER WITH WROUGHT COPPER FITTINGS FOR REFRIGERANT USE. PRE-CHARGED LINES MAY BE USED.
- B. CONDENSATE DRAIN: TYPE "L" OR "DWV" COPPER. SCHEDULE 40 PVC MAY BE USED, UNLESS DRAIN LINE IS LOCATED WITHIN A RETURN AIR PLENUM.
- C. NATURAL GAS: SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON OR WELDING FITTINGS. ALL CONCEALED AND BELOW GRADE PIPE SHALL BE WELDED. PIPE BELOW GRADE SHALL BE COATED AND WRAPPED AND SHALL HAVE CATHODIC PROTECTION.

2.04 INSULATION

- A. DUCTWORK: OWENS-CORNING, 2" THICK FIBERGLASS FACED DUCT WRAP TYPE 100 WITH FACTORY APPLIED FLAME-RETARDANT FOIL-REINFORCED KRAFT-FACING. (DUCTWORK SHALL BE WRAPPED UNLESS SHOWN OTHERWISE.)
- B. DUCT LINER SHALL BE EQUAL TO OWENS-CORNING FIBERGLASS AEROFLEX TYPE 200, 2" THICK. DUCT SIZES SHOWN ARE SHEET METAL SIZES.

2.05 SHEET METAL

- A. SHEET METAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE HANDBOOK AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- B. DUCTWORK SHALL BE NEW, PRIME QUALITY, GALVANIZED STEEL. RUNOUTS TO DIFFUSERS MAY BE MADE USING FACTORY INSULATED FLEXIBLE DUCTING. INSULATION SHALL BE ONE INCH MINIMUM THICKNESS GLASS FIBER FLEXIBLE BLANKET TYPE, WITH SUITABLE VAPOR BARRIER. FLEXIBLE DUCT SHALL BE UL LISTED CLASS 1 CONNECTOR OR AIR DUCT MATERIAL, STANDARD 181 WITH MANUFACTURER'S PRESSURE RATING OF AT LEAST 150 PERCENT OF THE MAXIMUM OPERATING PRESSURE OF THE SYSTEM INVOLVED. MAXIMUM LENGTH SHALL BE THREE FEET.
- C. PROVIDE FLEXIBLE CONNECTIONS AT EACH AIR-HANDLING DEVICE WITH FAN.
- D. PROVIDE ADEQUATE DAMPERS SO THAT THE DAMPERS AT THE GRILLES ARE NOT REQUIRED TO BALANCE THE SYSTEM.
- E. GRILLES, DIFFUSERS AND REGISTERS SHALL BE EQUAL TO THOSE SHOWN ON THE DRAWINGS.
- F. FURNISH ACCESS DOORS TO FACILITATE MAINTENANCE OF SMOKE DETECTORS AND ACCESS TO BALANCING DAMPERS LOCATED ABOVE CEILINGS. ACCESS DOORS SHALL BE EQUAL TO MILCOR OR BOICO, STEEL OR ALUMINUM ASSEMBLIES, WITH HINGED DOORS, LOCKING CATCHES, AND SUITABLE FRAMES TO ACCOMMODATE BUILDING CONSTRUCTION INVOLVED, SIZES AS REQUIRED, BUT NOT SMALLER THAN 12 X 12 INCHES. ACCESS DOORS SHALL BE FACTORY-FINISH PAINTED TO MATCH COLOR OF BUILDING CONSTRUCTION INVOLVED.

2.06 CONTROLS

- A. PROVIDE ALL TEMPERATURE CONTROLS IN ACCORDANCE WITH RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURER.
- B. CONTROLS SHALL BE ELECTRIC TYPE.
- C. PROVIDE ALL WIRING, ETC. REQUIRED FOR COMPLETE AND OPERATING SYSTEM.
- D. FURNISH COMPLETE WIRING DIAGRAMS SHOWING ALL INTERLOCK WIRING IN ADDITION TO TEMPERATURE CONTROL WIRING DIAGRAMS. WIRING IS TO BE COLOR-CODED AND INSTALLED IN ACCORDANCE WITH NEC.

END OF SECTION 23 00 00

D1 HVAC SPECIFICATIONS

N.T.S.

FAN SCHEDULE														
MARK	No.	SERVICE	CFM	EXT. S.P. IN. W.G.	FAN RPM	DRIVE TYPE	MAX SONES	MOTOR		INTERLOCK	MANUFACTURER	MODEL NO.	OPENING	ACCESSORIES
								HP	ELECTRICAL					
EF	1	DIRECT DRIVE BATHROOM EXHAUST FAN	75 CFM	0.15	900	DIRECT	0.6	0.01	115/60/1	LIGHT SWITCH	GREENHECK	SP-B80	14 IN. x 12 IN.	2,7,13
EF	2	DIRECT DRIVE BATHROOM EXHAUST FAN	75 CFM	0.15	900	DIRECT	0.6	0.01	115/60/1	LIGHT SWITCH	GREENHECK	SP-B80	14 IN. x 12 IN.	2,7,13

FAN ACCESSORIES:

1. ACCESS DOOR FOR INSPECTION
2. ELECTRICAL DISCONNECT SWITCH
3. BELT GUARD AND MOTOR GUARD
4. ADJUSTABLE SHEAVES
5. WALL SWITCH W/ PILOT LIGHT
6. MANUFACTURER'S PREFABRICATED INSULATED ROOF CURB (SLOPE AS REQUIRED)
7. ROOF JACK
8. WALL JACK
9. BRICK VENT
10. SOFFIT GRILLE
11. ROOF CAP W/ CURB
12. MOTORIZED BACKDRAFT DAMPER (SAME VOLTAGE AS FAN MOTOR OR W/ TRANSFORMER)
13. GRAVITY BACKDRAFT DAMPER
14. SOLID STATE SPEED CONTROLLER
15. EXTENDED BASE WITH ACCESS DOOR(NO VENTS) FOR 40" MIN. DISCHARGE HEIGHT
16. MOTOR AND DRIVE COMPARTMENT WEATHER HOOD
17. DRAIN CONNECTION
18. HINGED ACCESS DOORS
19. WALL HOUSING GUARD
20. DAMPER GUARD AND WALL MOUNT HOUSING

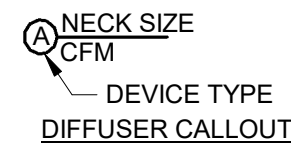
A3 FAN SCHEDULE

N.T.S.

AIR DISTRIBUTION SCHEDULE					
DEVICE TYPE	O.B.V.D.	FACE SIZE	GREENHECK MODEL No.	REMARKS	
A	No	24 IN. x 24 IN.	XG-7500	PERFORATED, PATTERN CONTROLLERS CEILING DIFFUSER	
B	No	24 IN. x 24 IN.	XG-7600R	PERFORATED FACE CEILING RETURN GRILLE	
C	No	12 IN. x 12 IN.	XG-7500	PERFORATED, PATTERN CONTROLLERS CEILING DIFFUSER	

NOTES:

1. COORDINATE AIR DISTRIBUTION DEVICE LOCATION WITH LIGHTS AND REFLECTED CEILING PLANS.
2. DIFFUSER SHOWN IS NEAREST MATCH TO EXISTING. CONTRACTOR SHALL VERIFY TYPE AND COLOR FOR BEST MATCH PRIOR TO ORDERING.
3. CEILING DEVICES SHALL BE COMPATIBLE WITH CEILINGS SPECIFIED BY ARCHITECT.
4. EQUAL DEVICES BY PRICE, KRUEGER, AND TITUS ARE ACCEPTABLE.



B3 AIR DISTRIBUTION SCHEDULE

N.T.S.

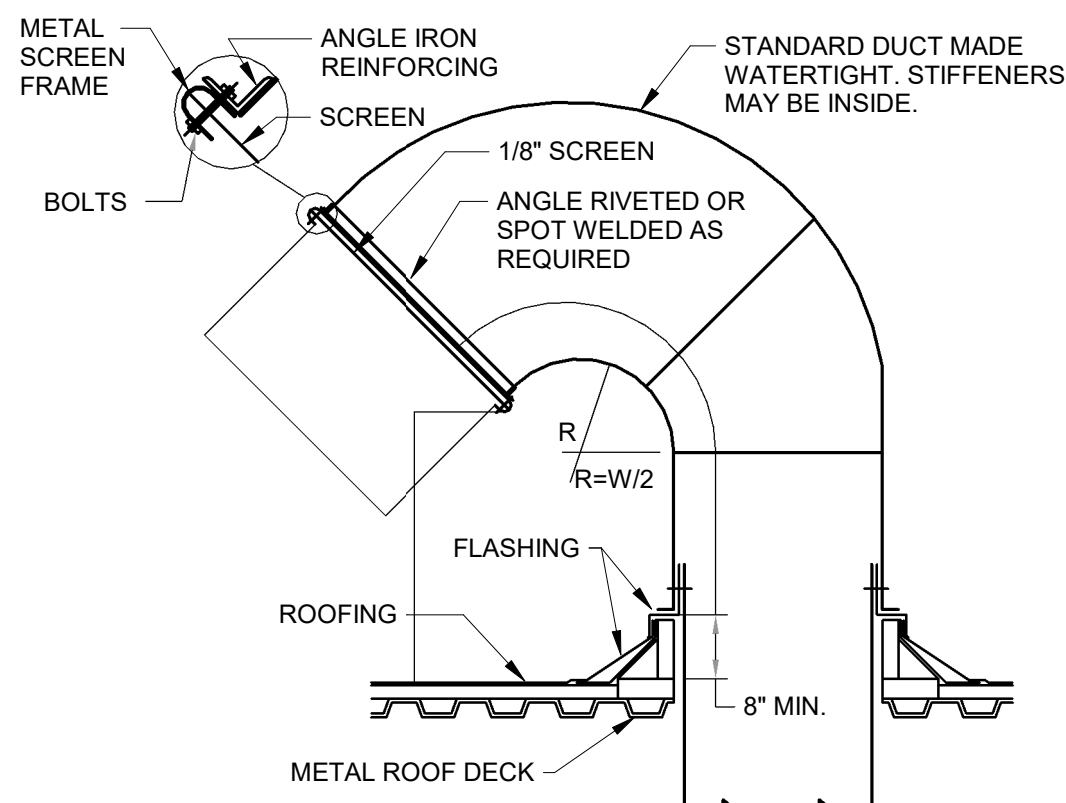
KITCHEN RANGE HOOD SCHEDULE							
UNIT MARK	NO.	DIMENSION (L x W x H)	V/ft/Hz	BREAKER SIZE	OPERATING CURRENT (A)	MANUFACTURER	MODEL NO.
KH	1	30 IN. x 19.25 IN. x 7 IN.	120/1/60	15	1.2	DENLAR	DS-30-F

NOTES:

1. PROVIDE WITH ADA ACCESSIBLE CONTROL BOX AND ALL NECESSARY ACCESSORIES TO COMPLY WITH APPLICABLE NFPA CODES.
2. PROVIDE OWNER WITH A NEW REPLACEMENT SET OF THE FOLLOWING FOR INSTALLATION AFTER AN ACTUATION:
 - (1) DENLAR MODEL TEST TANK
 - (1) DENLAR MODEL REPLACEMENT TANK
 - (1) DENLAR MODEL TEST LINK
 - (1) DENLAR MODEL FUSIBLE LINK

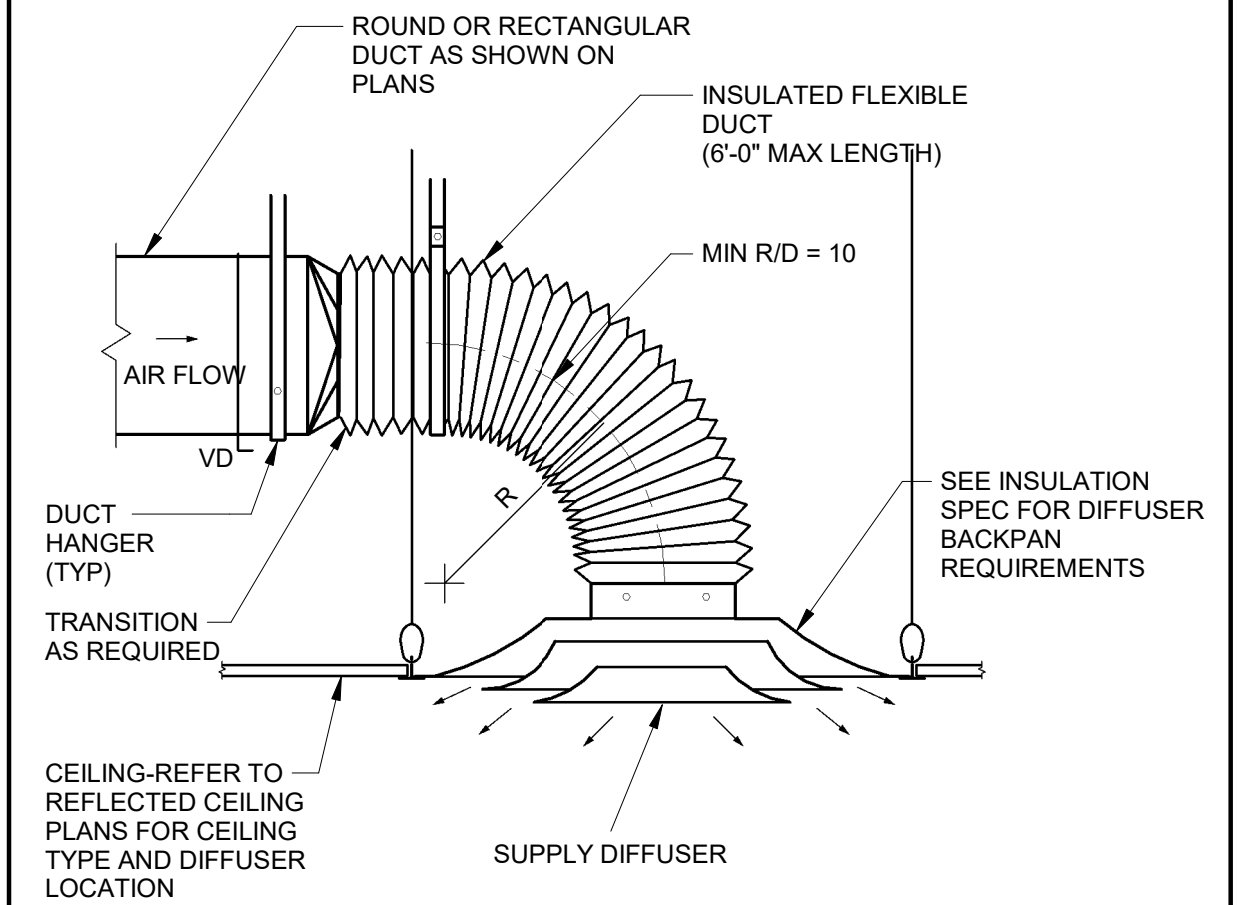
C3 KITCHEN RANGE HOOD SCHEDULE

N.T.S.



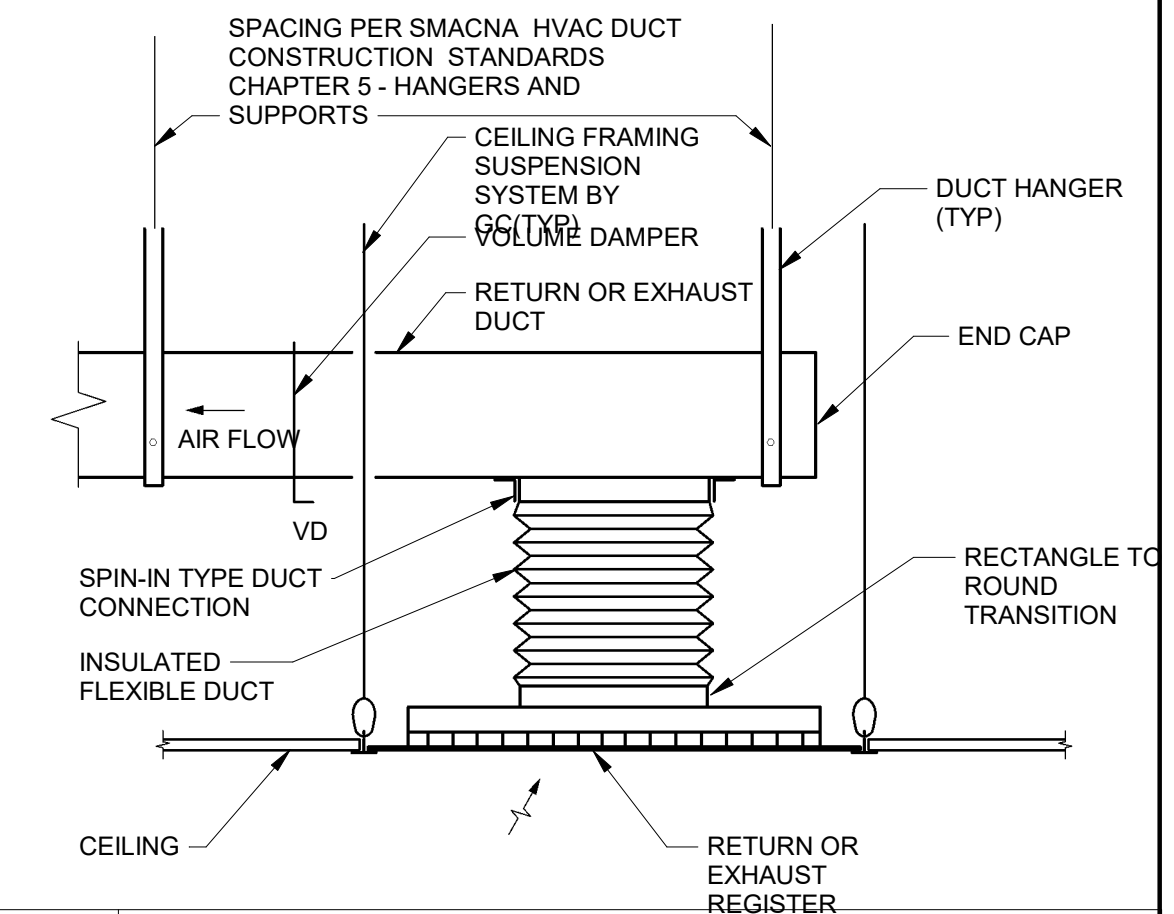
D3 GOOSENECK DETAIL: FLAT ROOF

N.T.S.



B5 TYPICAL CEILING DIFFUSER DETAIL

N.T.S.



C5 TYPICAL RETURN/EXHAUST REGISTER

N.T.S.

A2H ENGINEERS ARCHITECTS PLANNERS

A2H, INC.
 3009 DAVIES PLANTATION ROAD
 LAKELAND, TN 38002
 P. 901.372.0404
 WWW.A2H.COM



FAYETTE COUNTY, TN

FAYETTE COUNTY HEALTH DEPARTMENT

FAYETTE COUNTY CONSTRUCTION DOCUMENTS

REVISIONS

PROJECT	DATE
N/A	JUNE 20, 2024
DRAWN	CHECKED
RAN	NDS

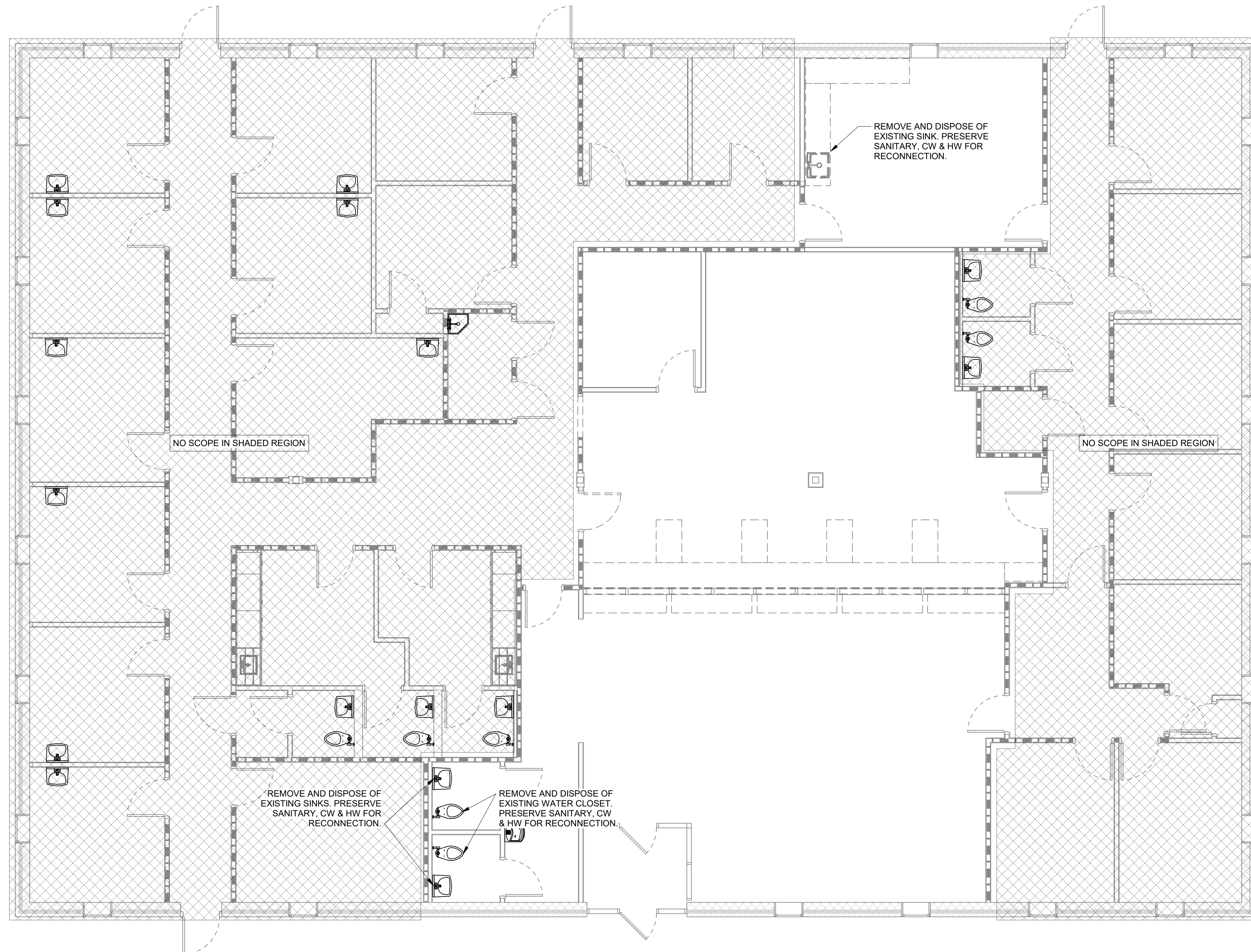
HVAC SCHEDULES & DETAILS

M2.1

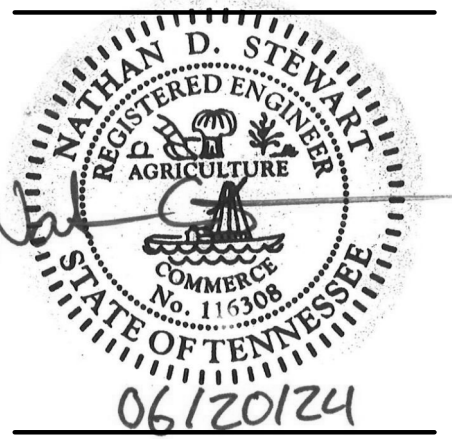
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D2
N.T.S. **DEMOLITION PLUMBING FLOOR PLAN**



**FAYETTE COUNTY,
TN**

**FAYETTE COUNTY
HEALTH
DEPARTMENT**

**FAYETTE COUNTY
CONSTRUCTION
DOCUMENTS**
REVISIONS

PROJECT	DATE
N/A	JUNE 20, 2024
DRAWN	CHECKED
RAN	NDS

**PLUMBING FLOOR PLAN -
DEMOLITION**

P1.0

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PLUMBING GENERAL PROJECT NOTES:

- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING FOR BIDDING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND TO CONFIRM SPACE ALLOCATIONS.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS, AND EXACT LOCATION OF FIXTURES.
- CONTRACTOR SHALL VERIFY ALL FLOW LINES PRIOR TO ROUGHING IN.
- ALL WORK SHALL CONFORM TO THE LOCAL PLUMBING CODE, LOCAL BUILDING CODES, AND STATE HEALTH REGULATIONS HAVING JURISDICTION. ALL HAND LAYS DESIGNATED AS HANDICAPPED WITH EXPOSED PIPING SHALL BE PROVIDED WITH INSULATION KITS COVERING SINK DRAINS AND SINK SUPPLIES.
- PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS AND COORDINATE THEIR WORK WITH ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, NOTIFY ARCHITECT OF ANY CONFLICTS.
- CONTRACTOR MAY RE-ROUTE PLUMBING TO AVOID CONFLICT WITH OTHER TRADES AFTER FIRST RECEIVING THE APPROVAL OF THE ARCHITECT / ENGINEER.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL WIRING BY ELECTRICAL CONTRACTOR.
- PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANELS TO BE INSTALLED BY GENERAL CONTRACTOR AS REQUIRED FOR PLUMBING INSTALLATIONS.
- ALL VALVES AND SHOCKSTOPS SHALL BE ACCESSIBLE.
- PROVIDE AIR CUSHIONS FOR ALL FIXTURES THAT DO NOT HAVE SHOCKSTOPS.
- SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
- ALL PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE SEALED WITH AN APPROVED U.L. LISTED FIREPROOFING TO MAINTAIN THE INTEGRITY OF THE WALL OR FLOOR.
- PIPE VIBRATION AND/OR PIPE SWAY WILL NOT BE PERMITTED.
- PROVIDE SUITABLE BACKING AND SUPPORT FOR ALL PLUMBING FIXTURES.
- OFFSET ALL V.T.R.'S AS REQUIRED WHETHER OR NOT SHOWN ON DRAWINGS.
- ALL V.T.R.'S SHALL BE A MINIMUM OF 15 FT. AND/OR AS REQUIRED BY CODE AWAY FROM A/C INTAKES WHETHER OR NOT SHOWN ON PLANS.
- ALL PIPING SHALL BE LABELED.
- UPON COMPLETION OF WORK COVERED BY THIS CONTRACT, FURNISH THE OWNER WITH ONE (1) SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS WHICH SHOW ALL PLUMBING INSTALLED UNDER THIS CONTRACT.
- ALL WATER LINES RUN IN EXTERIOR WALLS SHALL BE LOCATED BETWEEN GYPBOARD & INSULATION TO PREVENT FREEZING. INSULATE ALL WATER LINES IN EXTERIOR WALLS WITH 2" THICK INSULATION. EXTERIOR WALL BUILDING INSULATION SHALL COMPLETELY ENCOMPASS INSULATED PLUMBING PIPING WITHIN STUD CAVITY.
- FOR DEMOLITION AND/OR RENOVATIONS, ALL HOLES THRU CONCRETE SHALL BE CORE-DRILLED, SAW-CUT ALL CONCRETE AND ASPHALT BEFORE BREAKING AND REMOVING.
- INFORMATION OF EXISTING SERVICES WAS TAKEN FROM OWNER'S DRAWINGS. FIELD LOCATE ALL EXISTING SERVICES PRIOR TO STARTING ANY WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL WATER DISTRIBUTION PIPING IS ROUTED IN AREAS THAT ARE NOT SUBJECT TO FREEZING TEMPERATURES. IF PIPING IS SHOWN ROUTED IN SUCH AREAS AND NO PROVISION FOR FREEZE PROTECTION IS INDICATED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER IMMEDIATELY.
- PRIOR TO ANY SLAB DEMOLITION, CONTRACTOR SHALL LOCATE PIPING, ELECTRICAL CONDUIT, OR OTHER EQUIPMENT. ANY DAMAGE INCURRED BY THE GENERAL CONTRACTOR/SUB-CONTRACTOR IS TO BE REPAIRED/RESTORED AT NO EXPENSE TO THE OWNER OR ENGINEER.
- HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS.
- ANY CONTRACTOR WHO DESIRES TO INSTALL, ENLARGE, ALTER, REPAIR, MOVE OR REPLACE A PLUMBING SYSTEM, THE INSTALLATION OF WHICH IS REGULATED BY THIS CODE, SHALL FIRST MAKE APPLICATION AND OBTAIN THE REQUIRED PERMIT FOR THE WORK AS PER SECTION # 106.1
- ALL PLUMBING INSTALLATIONS SHALL CONFORM TO THE 2015 IPC WITH LOCAL AMENDMENTS. ALL PLUMBING WORK TO BE SUBJECT TO FIELD INSPECTOR'S APPROVAL.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RETURN (HWR)
	CONNECT TO EXISTING
	KEYNOTE SYMBOL
	MECHANICAL EQUIPMENT TAG

PLUMBING FIXTURE SCHEDULE								REMARKS
TYPE MARK	DESCRIPTION	SOIL	WASTE	VENT	CW	HW	MXV	
L-1	LAVATORY, WALL HUNG		2"	2"	1/2"	1/2"		"ZURN" # 5344, BOWL, 4" CENTERS, Z8743-PC GRID STRAINER, Z8700-8B-PC TRAP, Z8802RLK SUPPLIES W/LOOSE KEY STOPS, ZURN Z-1231 CARRIER, ZURN Z7440-XL LEVER CONTROL FAUCET.
S-1	SINK, COUNTERTOP DROP-IN, SINGLE BOWL		2"	2"	1/2"	1/2"		"ELKAY" #LR2522SC, 18 GA STAINLESS STEEL SINK + FAUCET KIT, ELKAY LK18B DRAIN FITTING STAINLESS STEEL BODY STRAINER AND TAILPIECE, LK500 P-TRAP, Z8802RLK SUPPLIES WITH LOOSE KEY STOPS FAUCET - "ELKAY" LK810GN04T4C CONCEALED DECK FAUCET (INCLUDED) WITH 5" GOOSENECK SPOUT, 4" WRISTBLADE HANDLE+SUPPLIES STOPS DRAIN.
W-1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE	3"	2"	1"				"ZURN" # Z5655-BWL, "ZURN" NO. Z6000AV-WS1 (1.6 GPF) FLUSH VALVE, "ZURN" # Z5955SS-EL, ELONGATED WHITE TOILET SEAT AT 15" STANDARD HEIGHT.

B1 PLUMBING GENERAL NOTES

N.T.S.

A3 PLUMBING FIXTURE SCHEDULE

N.T.S.

B1 PLUMBING GENERAL NOTES

N.T.S.

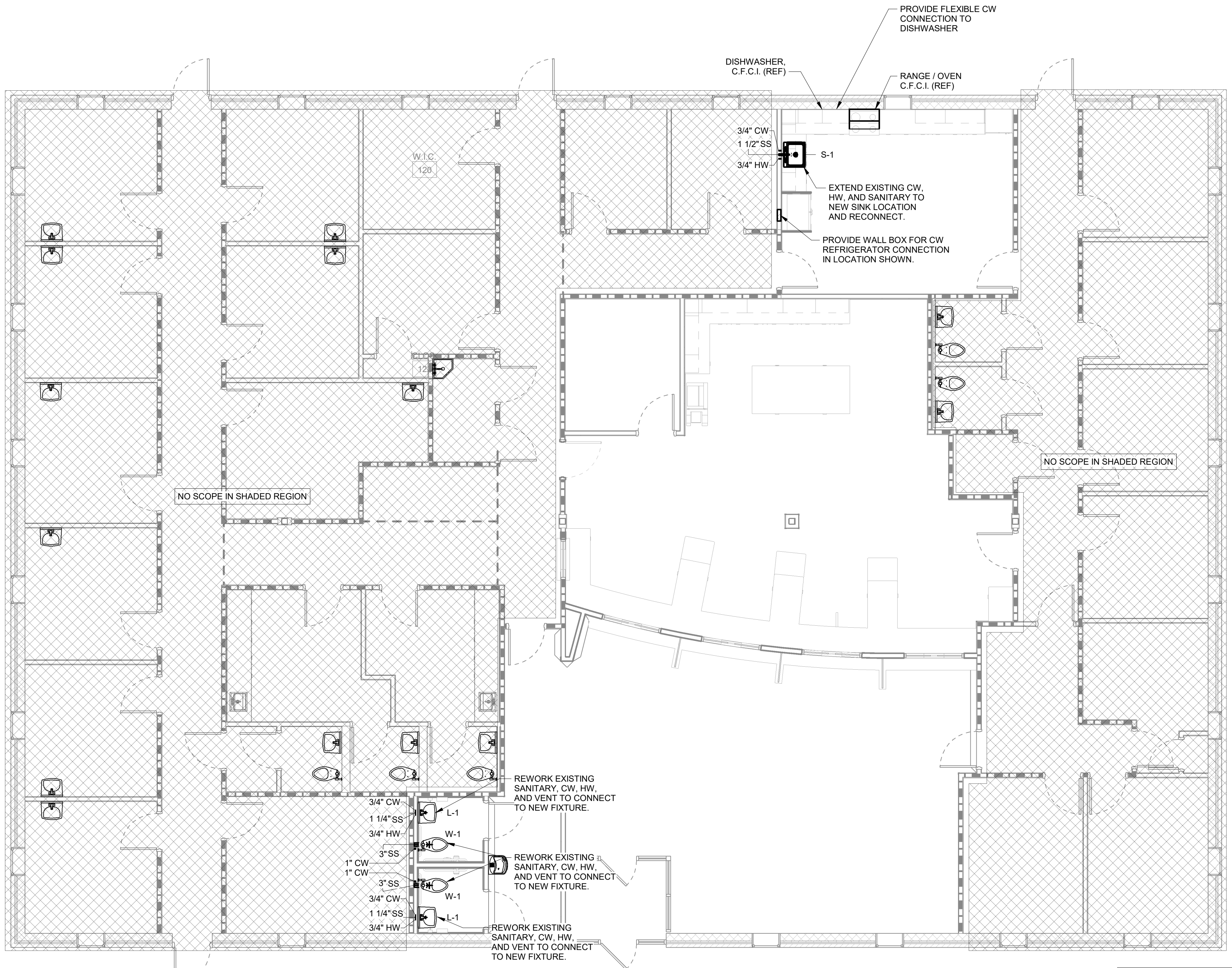
- PRODUCTS**
- A. SANITARY SEWER PIPING, BURIED**
- PVC PIPE: ASTM D-2665, D-1785, SCHEDULE 40 PVC DWV.
 - FITTINGS: PVC DWV
 - JOINTS: ASTM D2855, SOLVENT WELD WITH ASTM D2564 SOLVENT CEMENT.
 - CAST IRON PIPE: ASTM A74, SERVICE WEIGHT. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND LISTED BY NSF INTERNATIONAL.
 - FITTINGS: CAST IRON.
 - JOINTS: ASTM C-564, NEOPRENE GASKETING SYSTEM.
- B. SANITARY SEWER PIPING, ABOVE GRADE**
- PVC PIPE: ASTM D-2665, D-1785, SCHEDULE 40 PVC DWV, (PROHIBITED IN RETURN AIR PLENUMS)
 - FITTINGS: PVC
 - JOINTS: ASTM D2855, SOLVENT WELD WITH ASTM D2564 SOLVENT CEMENT.
 - CAST IRON PIPE: CISPI 301, ASTM A 888, HUBLESS, SERVICE WEIGHT. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND LISTED BY NSF INTERNATIONAL.
 - FITTINGS: CAST IRON.
 - JOINTS: NEOPRENE GASKETS AND S/S CLAMP AND SHIELD ASSEMBLIES.
- C. WATER PIPING ABOVE GRADE**
- COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN.
 - FITTINGS: ASME B16.18, CAST BRONZE, OR ASME B16.22, WROUGHT COPPER AND BRONZE.
 - JOINTS: ASTM B32, SOLDER, GRADE 95TA.
- D. GLASS FIBER PIPE INSULATION:**
- INSULATION: ASTM C547; RIGID MOLDED, NON COMBUSTIBLE. WITH ALL SERVICE JACKET. "K" VALUE = .024 @ 75°F.
 - VAPOR BARRIER JACKET, ASTM C921, WHITE KRAFT PAPER REINFORCED WITH GLASS FIBER YARN AND BONDED TO ALUMINIZED FILM.
- | INSULATION SCHEDULE | PIPE SIZE | THICKNESS |
|----------------------------|-----------|-----------|
| DOMESTIC HOT WATER SUPPLY | ALL | 1" |
| DOMESTIC COLD WATER SUPPLY | ALL | 1/2" |
| CONDENSATE DRAINS | ALL | 1/2" |
- E. PIPE HANGERS AND SUPPORTS**
- PLUMBING PIPING - DWV & WATER PIPING.
 - CONFORM TO ASME B31.9.
 - HANGERS FOR PIPE SIZES 1/2" TO 1-1/2": MALLEABLE IRON, ADJUSTABLE SWIVEL, CLEVIS.
 - PROVIDE SHEET METAL SHIELDS AT HANGER LOCATIONS.
 - SCHEDULES
- | PIPE SIZE | MAX. SUPPORT BRACING (FEET) | HANGER ROD DIAMETER |
|----------------|-----------------------------|---------------------|
| 1/2" TO 1-1/4" | 6.5' | 3/8" |
| 1-1/2" TO 2" | 10' | 3/8" |

D1 PLUMBING DETAILS & SPECIFICATIONS

N.T.S.

D2 OVERALL PLUMBING FLOOR PLAN

3/16" = 1'-0"



THESE DRAWINGS ARE DIAGRAMMATIC COORDINATION OF ALL TRADES AND COMPLIANCE WITH DIMENSIONS ON ARCHITECTURAL AND STRUCTURAL DRAWINGS ARE REQUIRED

A2H ENGINEERS ARCHITECTS PLANNERS

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06/21/2024

FAYETTE COUNTY, TN

FAYETTE COUNTY HEALTH DEPARTMENT

FAYETTE COUNTY CONSTRUCTION DOCUMENTS REVISIONS

PROJECT	DATE
04	JUNE 20, 2024
DRAWN	CHECKED
RAN	NDS

PLUMBING FLOOR PLAN

P1.1

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LED INTERIOR LIGHTING

LETTER ADJACENT TO LUMINAIRE DENOTES TYPE. SEE LUMINAIRE SCHEDULE.
EM DENOTES LUMINAIRE ON EMERGENCY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY BACKUP

SYMBOL	DESCRIPTION
	TROFFER, RECESSED, 2' X 4'
	TROFFER, RECESSED, 2' X 4', EM
	TROFFER, RECESSED, 2' X 2'
	TROFFER, RECESSED, 2' X 2', EM
	LINEAR STRIP, SURFACE
	LINEAR STRIP, SURFACE, EM
	LOWBAY OR HIGHBAY, ROUND, STEM
	LOWBAY OR HIGHBAY, ROUND, STEM, EM
	RECESSED DOWNLIGHT
	RECESSED DOWNLIGHT, EM
	RECESSED LINEAR
	RECESSED LINEAR - EM
	SUSPENDED OR SURFACE MOUNT LINEAR
	WALL MOUNTED LINEAR
	WALL MOUNTED LINEAR - EM
	WALL SCONCE OR WALL PACK
	WALL SCONCE OR WALL PACK - EM
	EMERGENCY LIGHTING UNIT
	EXIT LIGHT - CEILING MOUNTED FACE AND DIRECTIONAL ARROWS AS INDICATED
	EXIT LIGHT - WALL MOUNTED FACE AND DIRECTIONAL ARROWS AS INDICATED
	EXIT LIGHT AND EMERGENCY LIGHTING UNIT, COMBINATION

LED EXTERIOR LIGHTING

LETTER ADJACENT TO LUMINAIRE DENOTES TYPE. SEE LUMINAIRE SCHEDULE.
EM DENOTES LUMINAIRE ON EMERGENCY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY BACKUP

SYMBOL	DESCRIPTION
	AREA LUMINAIRE ON POLE, SINGLE
	AREA LUMINAIRE ON POLE, TWIN
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE, EM
	BOLLARD

POWER DISTRIBUTION

SYMBOL	DESCRIPTION
	PANELBOARD, 208Y/120V 3PH 4W
	PANELBOARD, 480Y/277V 3PH 4W
	AUTOMATIC TRANSFER SWITCH
	TRANSFORMER
	SAFETY SWITCH, NON-FUSED, 60/3 OR SIZE NOTED
	SAFETY SWITCH, FUSED, 60/3 OR SIZE NOTED
	DIRECT CONNECTION TO EQUIPMENT
	EMERGENCY SHUTDOWN SWITCH FOR EMERGENCY SERVICES AND UTILITY COMPANY KEY, CONNECT SHUNT TRIP BREAKER

CONDUCTORS, CABLES, BOXES, AND GROUNDING

SYMBOL	DESCRIPTION
	CONDUCTORS IN CONDUIT CONCEALED IN OR ABOVE CEILING OR IN WALL
	CONDUCTORS IN CONDUIT CONCEALED BELOW FLOOR, IN SLAB OR BELOW GRADE
	EQUIPMENT GROUNDING CONDUCTOR
	CONDUCTORS IN CONDUIT EXPOSED ON CEILING OR WALL
	JUNCTION BOX, ABOVE CEILING, UON
	GROUND BAR
	GROUND BAR - INTERSYSTEM BONDING TERMINATION

WIRING DEVICES

SYMBOL	DESCRIPTION
TR WR U	SUBSCRIPTS: TR - TAMPER RESISTANT, U - UNIVERSAL SERIAL BUS (USB) MOBILE DEVICE POWER (2-PORT), WR - WEATHER-RESISTANT
	RECEPTACLE, DUPLEX, NEMA 5-20R
	RECEPTACLE, DUPLEX, GFCI, NEMA 5-20R
	RECEPTACLE, DUPLEX, NEMA 5-20R, COUNTERTOP HEIGHT
	RECEPTACLE, DUPLEX, GFCI, NEMA 5-20R, COUNTERTOP HEIGHT
	RECEPTACLE, TWO DUPLEX IN ONE OUTLET (QUADPLEX)
	RECEPTACLE, QUADPLEX, GFCI, NEMA 5-20R, COUNTERTOP HEIGHT
	RECEPTACLE, SINGLE, NEMA 5-20R
	RECEPTACLE, NEMA 14-30R UNLESS OTHERWISE NOTED
	RECEPTACLE, SPECIAL, AS NOTED
	RECEPTACLE, CEILING, DUPLEX, NEMA 5-20R
	FLOOR BOX, SINGLE FITTING, RECEPTACLE, DUPLEX NEMA 5-20R RECTANGULAR METAL FLIP COVER
	FLOOR BOX, CAST IN PLACE, SHARED WITH COMMUNICATIONS WIRING DEVICE SERVICE FITTINGS: (2) DUPLEX, NEMA 5-20R USB TYPE
	FLOOR BOX, POKE THROUGH, SHARED WITH COMMUNICATIONS WIRING DEVICE SERVICE FITTINGS: (2) DUPLEX, NEMA 5-20R USB TYPE
	TOGGLE SWITCH, MOTOR RATED, WITH POLES FOR LOAD SERVED.

LIGHTING CONTROL DEVICES

SYMBOL	DESCRIPTION
DEVICES ARE LINE VOLTAGE, WALL MOUNTED, UON.	
	SWITCH TOGGLE, SPST, 20A, 120V
	SWITCH, THREE WAY
	SWITCH, VACANCY SENSING
	SWITCH, DIMMING, 0-10V
	SWITCH, VACANCY SENSING, 0-10V DIMMING
	SWITCH, VACANCY SENSING, 2 POLE
	SWITCH, KEY OPERATED, MOMENTARY TURN FOR ON, SPRING LOAD OFF, UON

NETWORK LIGHTING CONTROLS

SYMBOL	DESCRIPTION
DEVICES ARE LOW VOLTAGE NETWORK TYPE, UON. LV - LOW VOLTAGE, D - DIMMING, # - BUTTONS.	
	SWITCH, ON/OFF
	SWITCH, LOW VOLTAGE NETWORK, ON/OFF, DIMMING
	SWITCH, LOW VOLTAGE NETWORK, ON/OFF, DIMMING, 2 ZONE
	OCCUPANCY SENSOR, LOW VOLTAGE NETWORK, CEILING
	OCCUPANCY SENSOR, LOW VOLTAGE NETWORK, WALL
	DAYLIGHT SENSOR, CEILING
	POWER PACK, NON DIMMABLE
	POWER PACK, NON DIMMABLE, UL 924 EMERGENCY OVERRIDE
	POWER PACK, DIMMING, 0-10V
	POWER PACK, DIMMING, 0-10V, UL924 EMERGENCY OVERRIDE
	LIGHTING CONTROL PANEL, SINGLE PANEL OR COLLECTION OF NETWORK DEVICES AS NOTED
	LIGHTING CONTROLLER WITH TIME CLOCK AND PHOTOCELL INPUT

COMMUNICATIONS AND SECURITY

SYMBOL	DESCRIPTION
	DATA OUTLET, 1-IN C WITH PULLSTRING TO ACCESSIBLE CEILING SPACE
	DATA OUTLET, COUNTER HEIGHT, 1-IN C WITH PULLSTRING TO ACCESSIBLE CEILING SPACE
	TELEVISION (TV) OUTLET, SINGLE GANG BOX AT 18-IN AFF. 1.25-IN C WITH PULLSTRING TO ACCESSIBLE CEILING SPACE.
	DATA OUTLET RECESSED IN CEILING.
	SPEAKER, FLUSH CEILING MOUNTED
	CARD READER, SINGLE GANG BOX 48-IN AFF. 1/2-IN C WITH PULLSTRING TO ACCESSIBLE CEILING SPACE.
	CAMERA, INTERIOR, CELING MOUNTED UNLESS OTHERWISE NOTED.
	CAMERA, EXTERIOR, WALL MOUNTED UNLESS OTHERWISE NOTED.
	FLOOR BOX, SINGLE FITTING, DATA OUTLET, 1-IN CONDUIT AND STRING TO ABOVE CEILING.
	FLOOR BOX, CAST IN PLACE, SHARED WITH POWER, WIRING DEVICE SERVICE FITTINGS: (2) 1-GANG OUTLETS, 1.25-IN CONDUIT AND STRING TO ABOVE CEILING
	FLOOR BOX, POKE THROUGH, SHARED WITH POWER, WIRING DEVICE SERVICE FITTINGS: (2) 1-GANG OUTLETS, 1.25-IN EMT AND STRING TO ABOVE CEILING

ADDRESSABLE FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL
	ANNUNCIATOR PANEL
	SMOKE DETECTOR, CEILING MOUNTED
	SMOKE DETECTOR, DUCT MOUNTED, (S) SUPPLY (R) RETURN
	NOTIFICATION APPLIANCE, VISUAL, CANDELA AS INDICATED ON PLANS
	NOTIFICATION APPLIANCE, COMBINATION AUDIBLE & VISUAL, CANDELA AS INDICATED ON PLANS
	NOTIFICATION APPLIANCE, COMBINATION SPEAKER & VISUAL, CANDELA AS INDICATED ON PLANS
	MANUAL PULL STATION
	FLOW SWITCH
	TAMPER SWITCH
	PRESSURE SWITCH

ABBREVIATIONS

A	AMPERES
AF	AMPERE FRAME
AFB	ARC FLASH BOUNDARY
AFC	AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AMPERE-HOURS
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
APPX	APPROXIMATELY
ASCA	AVAILABLE SHORT CIRCUIT AMPERES
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BRANCH CIRCUIT
BCB	BRANCH CIRCUIT BREAKER
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BOD	BASIS OF DESIGN
C	CONDUIT OR COUNTERTOP HEIGHT
CAL	CALORIE
Cd	CANDELA
CL	CENTERLINE
CU	COPPER
DIM	DIMENSION
EBJ	EQUIPMENT BONDING JUMPER
EBM	EXTENDED BATTERY MODULE
ECB	ENCLOSED CIRCUIT BREAKER
EDF	ELECTRIC DRINKING FOUNTAIN
ECM	ELECTRICALLY COMMUTATED MOTOR
EDF	ENCLOSED FUSED DISCONNECT
EGB	EXTERNAL GROUND BUS BAR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
F	FAHRENHEIT
FC	FOOTCANDLE
FCB	FEEDER CIRCUIT BREAKER
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GB	GROUND BUS OR BUSBAR
GEC	GROUNDING ELECTRODE CONDUCTOR
GES	GROUNDING ELECTRODE SYSTEM
GFI	GROUND FAULT CIRCUIT INTERRUPTING
GFCI	GROUND FAULT PROTECTION OF EQUIPMENT
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
IBT	INTERSYSTEM BONDING TERMINATION
IC	INSULATED CEILING RATED
IN	INCH OR INCHES
k	KILO
K	KELVIN
KA	KILOAMPERES
LCP	LIGHTING CONTROL PANEL
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LM	LUMEN
LPA	LIGHTING POWER ALLOWANCE
LPD	LIGHTING POWER DENSITY
MNF	MANUFACTURER
MBJ	MAIN BONDING JUMPER
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MGB	MASTER GROUND BUS BAR
MLO	MAIN LUG ONLY
MOP	MAXIMUM OVERCURRENT PROTECTION
MTG	MOUNTING
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
N.T.S.	NOT TO SCALE
OC	ON CENTER
O.C.	ON CENTER
PS	PHOTOCONTROL SWITCH
PNL	PANELBOARD
QTY	QUANTITY
R	RACEWAY
RMC	RIGID METAL CONDUIT
S	SWITCHED
SCCR	SHORT CIRCUIT AMPERE RATING
SMR	SURFACE METAL RACEWAY
SPD	SURGE PROTECTION DEVICE
SQ	SQUARE
SS	STAINLESS STEEL
SWB	SWITCHBOARD
SWG	SWITCHGEAR
TR	TAMPER RESISTANT
TYP	TYPICAL
UF	UNDERGROUND FEEDER UNLESS OTHERWISE NOTED
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPS
W	WATT
WR	WEATHER - RESISTANT
X	EXISTING
'	FEET
"	INCH

D4

N.T.S. ABBREVIATIONS

ELECTRICAL GENERAL NOTES

- PROVIDE LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM. INCLUDE LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS FOR WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS. ADHERE TO MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION. ERECT, INSTALL, TUNE, CONNECT, CLEAN, ADJUST, TEST, CONDITION, AND PLACE MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- COMPLY WITH THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION INCLUDING:
- AMERICAN WITH DISABILITIES ACT
- GOVERNMENTAL FEES:
 - SECURE AND PAY FOR PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ELECTRICAL WORK.
 - PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.
- NO PART OF THE DESIGN IS TO BE CHANGED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- ENSURE MATERIALS AND EQUIPMENT ARE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). PROVIDE COMMERCIAL GRADE MATERIAL, EQUIPMENT, WIRING DEVICES, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
- NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION.
- EXAMINE THE CONTRACT DOCUMENTS AND MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE TO BECOME FAMILIAR WITH THE BUILDING AND SITE CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE OBLIGATIONS OF THE CONTRACT.
- TEMPORARY POWER AND LIGHTING: PROVIDE FOR THE PERFORMANCE OF OTHER TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. INCLUDE COST FOR ESTABLISHING AND REMOVING TEMPORARY POWER IN BID.
- SUBMITTALS: ARRANGE IN LOGICAL GROUPS TO REFLECT SPECIFICATION SECTIONS. INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER DESCRIPTIVE DATA TO IDENTIFY AND DESCRIBE THE EQUIPMENT. DELIVER COMPLETE SUBMITTAL PACKAGE AT ONE TIME. PARTIAL SUBMITTALS WILL NOT BE REVIEWED. INCOMPLETE OR INSUFFICIENT SUBMITTALS WILL BE RETURNED FOR CORRECTION.
- AS-BUILTS: PROVIDE AS-BUILT DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. INDICATE EXACT CIRCUIT NUMBERS, LOCATIONS OF DISTRIBUTION EQUIPMENT, DEVICES, CEILING FIXTURES, AND RACEWAYS FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
- COORDINATION WITH OTHER SYSTEMS:
 - VERIFY CLEARANCES FOR ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH OTHER TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
 - REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT

A2H ENGINEERS ARCHITECTS PLANNERS

A2H, INC.
3009 DAVIES PLANTATION ROAD
LAKELAND, TN 38002
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FAYETTE COUNTY, TN

FAYETTE COUNTY HEALTH DEPARTMENT

90 YUM YUM ROAD
SOMERVILLE, TN 38068

CONSTRUCTION DOCUMENTS

REVISIONS

PROJECT NO.	DATE
23406	JUNE 20, 2024
DRAWN	CHECKED

ELECTRICAL LEGEND AND NOTES

E0.0

D1

N.T.S. ELECTRICAL LEGEND

D5

N.T.S. GENERAL NOTES

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WIRING DEVICES

- GENERAL
 - COORDINATION:
 - SUBMITTALS: PROVIDE MANUFACTURER'S CATALOG INFORMATION SHOWING DIMENSIONS, COLORS, AND CONFIGURATIONS OF PRODUCTS TO BE FURNISHED.
 - MATERIALS: PROVIDE (1) EXTRA WALL PLATE FOR EACH STYLE, SIZE, AND FINISH. PROVIDE (1) SCREWDRIVER FOR TAMPER-RESISTANT SCREWS.
- PRODUCTS
 - WIRING DEVICE APPLICATIONS:
 - PROVIDE WIRING DEVICES SUITABLE FOR INTENDED USE AND WITH RATINGS ADEQUATE FOR LOAD SERVED.
 - PROVIDE WEATHER RESISTANT GFCI RECEPTACLES WITH SPECIFIED WEATHERPROOF COVERS FOR RECEPTACLES INSTALLED OUTDOORS OR IN DAMP OR WET LOCATIONS.
 - PROVIDE GFCI PROTECTION FOR RECEPTACLES INSTALLED WITHIN 6 FEET OF SINKS, IN KITCHENS, AND SERVING ELECTRIC DRINKING FOUNTAINS.
 - FOR FLUSH FLOOR SERVICE FITTINGS, USE TILE RINGS FOR INSTALLATIONS IN TILE FLOORS. FOR FLUSH FLOOR SERVICE FITTINGS, USE CARPET FLANGES FOR INSTALLATIONS IN CARPETED FLOORS.
 - WIRING DEVICE FINISHES
 - WIRING DEVICES, UNLESS OTHERWISE INDICATED: WHITE WITH WHITE NYLON WALL PLATE.
 - WIRING DEVICES INSTALLED IN FINISHED SPACES: WHITE WITH WHITE NYLON WALL PLATE.
 - WIRING DEVICES INSTALLED IN UNFINISHED SPACES: GRAY WITH GALVANIZED STEEL WALL PLATE.
 - WIRING DEVICES INSTALLED IN WET OR DAMP LOCATIONS: WHITE WITH SPECIFIED WEATHERPROOF COVER.
 - ISOLATED GROUND CONVENIENCE RECEPTACLES: ORANGE.
 - WIRING DEVICES CONNECTED TO EMERGENCY POWER: RED WITH RED NYLON WALL PLATE.
 - ABOVE-FLOOR SERVICE FITTINGS: GRAY WIRING DEVICES WITH DARK BRONZE ALUMINUM HOUSING.
 - WIRING DEVICES, WALL PLATES, WALL SWITCHES
 - MANUFACTURERS
 - HUBBELL INCORPORATED
 - LEVITON MANUFACTURING COMPANY
 - PASS & SEYMOUR, LEGRAND NORTH AMERICA, INC.
 - APPROVED SUBSTITUTION
 - GENERAL REQUIREMENTS:
 - WALL SWITCH: AC ONLY, QUIET OPERATING, GENERAL-USE SNAP SWITCHES WITH SILVER ALLOY CONTACTS, COMPLYING WITH NEMA WD 1 AND NEMA WD 6, AND LISTED AS COMPLYING WITH UL 20 AND WHERE APPLICABLE, FS W-5-896; TYPES AS INDICATED ON THE DRAWINGS.
 - WALL PLATES: COMPLY WITH UL 514, STANDARD SIZE, ONE PIECE COVER AS REQUIRED FOR QUANTITY AND TYPES OF CORRESPONDING WIRING DEVICES, METAL SLOTTED HEAD SCREWS FINISHED TO MATHC WALL PLATE FINISH.
 - RECEPTACLES: SELF-GROUNDING, COMPLYING WITH NEMA WD 1 AND NEMA WD 6, AND LISTED AS COMPLYING WITH UL 498, AND WHERE APPLICABLE, FS W-C-596; TYPES AS INDICATED ON THE DRAWINGS.
 - GFCI RECEPTACLES: SELF-TESTING, WITH FEED-THROUGH PROTECTION AND LIGHT TO INDICATE GROUND FAULT TRIPPED CONDITION AND LOSS OF PROTECTION; LISTED AS COMPLYING WITH UL 943, CLASS A.
 - WALL SWITCHES:
 - INDUSTRIAL SPECIFICATION GRADE, 20 A, 120/277 V WITH STANDARD TOGGLE TYPE SWITCH ACTUATOR AND MAINTAINED CONTACTS; SINGLE POLE SINGLE THROW, DOUBLE POLE SINGLE THROW, THREE WAY, OR FOUR WAY AS INDICATED ON THE DRAWINGS.
 - RECEPTACLES:
 - STANDARD CONVENIENCE RECEPTACLES: INDUSTRIAL SPECIFICATION GRADE, 20A, 125V, NEMA 5-20R; SINGLE OR DUPLEX AS INDICATED ON THE DRAWINGS.
 - WEATHER RESISTANT CONVENIENCE RECEPTACLES: INDUSTRIAL SPECIFICATION GRADE, 20A, 125V, NEMA 5-20R; LISTED AND LABELED AS WEATHER RESISTANT TYPE COMPLYING WITH UL 498 SUPPLEMENT SE SUITABLE FOR INSTALLATION IN DAMP OR WET LOCATIONS; SINGLE OR DUPLEX AS INDICATED ON THE DRAWINGS.
 - TAMPER RESISTANT AND WEATHER RESISTANT CONVENIENCE RECEPTACLES: INDUSTRIAL SPECIFICATION GRADE, 20A, 125V, NEMA 5-20R; LISTED AND LABELED AS TAMPER RESISTANT TYPE AND AS WEATHER RESISTANT TYPE COMPLYING WITH UL 498 SUPPLEMENT SE SUITABLE FOR INSTALLATION IN DAMP OR WET LOCATIONS; SINGLE OR DUPLEX AS INDICATED ON THE DRAWINGS.
 - SERVICE FITTINGS:
 - MANUFACTURERS:
 - THOMAS & BETTS CORPORATION
 - WIREMOLD, A BRAND OF LEGRAND NORTH AMERICA, IN HYPERLINK "HTTP://WWW.LEGRAND.US/#SLE'C"
 - APPROVED SUBSTITUTION
 - DESCRIPTION: SERVICE FITTINGS COMPATIBLE WITH FLOOR BOX PROVIDED WITH COMPONENTS, ADAPTERS, VOLTAGE DIVIDER, AND TRIMS REQUIRED FOR COMPLETE INSTALLATION.
- EXECUTION:
 - VERIFY OUTLET BOXES ARE PROPERLY SIZED TO ACCOMMODATE DEVICES AND CONDUCTORS IN ACCORDANCE WITH NFPA 70.
 - VERIFY THAT WALL OPENINGS ARE NEATLY CUT AND WILL BE COMPLETELY COVERED BY WALL PLATES.
 - VERIFY THAT FINAL SURFACE FINISHES ARE COMPLETE, INCLUDING PAINTING.
 - VERIFY THAT BRANCH CIRCUIT WIRING INSTALLATION IS COMPLETED, TESTED, AND READY FOR CONNECTION TO WIRING DEVICES.
 - MOUNTING HEIGHTS: UNLESS OTHERWISE INDICATED, AS FOLLOWS:
 - WALL SWITCHES: 48 INCHES ABOVE FINISHED FLOOR.
 - RECEPTACLES: 18 INCHES ABOVE FINISHED FLOOR OR 6 INCHES ABOVE COUNTER.
 - ORIENT OUTLET BOXES FOR VERTICAL INSTALLATION OF WIRING DEVICES UNLESS OTHERWISE INDICATED.
 - WHERE MULTIPLE RECEPTACLES OR WALL SWITCHES ARE INSTALLED AT THE SAME LOCATION AND AT THE SAME MOUNTING HEIGHT, GANG DEVICES TOGETHER UNDER A COMMON WALL PLATE.
 - LOCATE RECEPTACLES FOR ELECTRIC DRINKING FOUNTAINS CONCEALED BEHIND DRINKING FOUNTAIN ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - INSTALL WIRING DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - INSTALL PERMANENT BARRIER BETWEEN GANGED WIRING DEVICES WHEN VOLTAGE BETWEEN ADJACENT DEVICES EXCEEDS 300 V.
 - INSTALL BLANK WALL PLATES ON JUNCTION BOXES AND ON OUTLET BOXES WITH NO WIRING DEVICES INSTALLED OR DESIGNATED FOR FUTURE USE.

CONDUCTORS AND CABLES

- GENERAL
 - COORDINATION:
 - COMPARE SIZES OF RACEWAYS, BOXES, AND EQUIPMENT ENCLOSURES WITH CONDUCTOR TYPE AND SIZE INCLUDING ADJUSTMENTS FOR VOLTAGE DROP.
 - PROVIDE EQUIPMENT TERMINATIONS SUITABLE FOR USE WITH THE CONDUCTORS TO BE INSTALLED.
 - SUBMITTALS:
 - PROVIDE MANUFACTURER'S STANDARD CATALOG PAGES AND DATA SHEETS FOR CONDUCTORS AND CABLES, INCLUDING DETAILED INFORMATION ON MATERIALS, CONSTRUCTION, RATINGS, LISTINGS, AND AVAILABLE SIZES, CONFIGURATIONS, AND STRANDING.
- PRODUCTS
 - APPLICATIONS:
 - PROVIDE SINGLE CONDUCTOR BUILDING WIRE INSTALLED IN SUITABLE RACEWAY UNLESS OTHERWISE INDICATED, PERMITTED, OR REQUIRED.
 - SERVICE ENTRANCE CABLE, NON-METALLIC-SHEATHED CABLE, ARMORED CABLE, METAL-CLAD CABLE, MANUFACTURED WIRING SYSTEMS, AND ALUMINUM CONDUCTORS ARE NOT PERMITTED.
 - GENERAL REQUIREMENTS:
 - PROVIDE NEW CONDUCTORS AND CABLES MANUFACTURED NOT MORE THAN ONE YEAR PRIOR TO INSTALLATION.
 - MINIMUM CONDUCTOR SIZE: BRANCH CIRCUITS: 12 AWG. INCREASE BRANCH CIRCUIT CONDUCTORS IN SIZE WHERE NECESSARY TO COMPENSATE FOR VOLTAGE DROP, IN ACCORDANCE WITH NEC REQUIREMENTS.
 - CONDUCTOR COLOR CODE:
 - EXISTING BUILDING, COMPLY WITH EXISTING COLOR CODE WHEN EXISTING CODE COMPLIES WITH NFPA 70 AND IS APPROVED BY THE AUTHORITY HAVING JURISDICTION
 - NEW CONSTRUCTION: COMPLY WITH THE FOLLOWING COLOR CODE WHERE IT DOES NOT CONFLICT WITH NFPA 70 AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
 - 480V/277 V, 3 PHASE, 4 WIRE SYSTEM: PHASE A: BROWN, PHASE B: ORANGE, PHASE C: YELLOW, NEUTRAL/GROUNDED: GRAY.
 - 208/120 V, 3 PHASE, 4 WIRE SYSTEM: PHASE A: BLACK, PHASE B: RED, PHASE C: BLUE, NEUTRAL/GROUNDED: WHITE.
 - 240/120 V HIGH-LEG DELTA, 3 PHASE, 4 WIRE SYSTEM: PHASE A: BLACK, PHASE B (HIGH-LEG): ORANGE, PHASE C: BLUE, NEUTRAL/GROUNDED: WHITE.
 - 240/120 V, 1 PHASE, 3 WIRE SYSTEM: PHASE A: BLACK, PHASE B: RED, NEUTRAL/GROUNDED: WHITE.
 - EQUIPMENT GROUND, ALL SYSTEMS: GREEN.
 - SINGLE CONDUCTOR BUILDING WIRE
 - COPPER BUILDING WIRE MANUFACTURERS:
 - CERRO WIRE LLC
 - ENCORE WIRE CORPORATION
 - SOUTHWIRE COMPANY
 - APPROVED EQUAL
 - CONDUCTOR STRANDING:
 - FEEDERS AND BRANCH CIRCUITS: SOLID FOR SIZE 10 AWG AND SMALLER: SOLID AND STRANDED FOR SIZE 8 AWG AND LARGER.
 - CONTROL CIRCUITS: STRANDED.
 - COPPER WIRE, 600V INSULATION VOLTAGE RATING, TYPE THHN/THWN OR THHN/THWN-2
 - WIRING CONNECTORS FOR SPLICES AND TAPS:
 - SIZE BAWG AND SMALLER: TWIST-ON INSULATED SPRING CONNECTORS, MECHANICAL CONNECTORS, OR COMPRESSION CONNECTORS.
 - SIZE BAWG AND LARGER, PRE-INSULATED MECHANICAL TERMINAL BLOCKS.
 - WIRING CONNECTORS FOR TERMINATIONS:
 - SIZE 10AWG AND SMALLER: CRIMPED TERMINALS FOR CONNECTIONS TO TERMINAL SCREWS.
 - SIZE BAWG AND LARGER: MECHANICAL OR COMPRESSION CONNECTORS
- EXECUTION
 - CIRCUIT ROUTING IS DIAGRAMMATIC UNLESS NOTED OTHERWISE.
 - MAINTAIN SEPARATION OF CLASS 1, 2, 3, AND EMERGENCY CIRCUITS IN ACCORDANCE WITH NFPA 70.
 - INSTALL DESIGNATED NEUTRAL/GROUNDED CONDUCTOR FOR EACH BRANCH CIRCUIT.
 - PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP)
 - INSTALL CONDUCTORS WITH A MINIMUM OF 12 INCHES OF SLACK AT EACH OUTLET
 - MAKE SPLICES AND TAPS ONLY IN ACCESSIBLE BOXES

C2	CONDUCTORS AND CABLES
N.T.S.	

BOXES

- GENERAL:
 - SUBMITTAL: PROVIDE MANUFACTURER'S STANDARD CATALOG PAGES AND DATA SHEETS FOR CABINETS AND ENCLOSURES, BOXES FOR HAZARDOUS (CLASSIFIED) LOCATIONS, FLOOR BOXES, AND UNDERGROUND BOXES/ENCLOSURES PRODUCTS:
- PRODUCTS
 - BOXES
 - MINIMUM BOX SIZE FOR WIRING DEVICES: SINGLE GANG, 2.5" DEPTH
 - DRY LOCATIONS: USE SHEET-STEEL BOXES UNLESS OTHERWISE REQUIRED.
 - EXTERIOR, DAMP, OR WET LOCATION SPACES: USE CAST IRON OR CAST ALUMINUM BOXES FURNISHED WITH COMPATIBLE WEATHERPROOF GASKETED COVERS.
 - USE CAST IRON OR CAST ALUMINUM BOXES WHERE EXPOSED GALVANIZED STEEL RIGID METAL CONDUIT OR EXPOSED IMC IS USED.
 - ACCEPTABLE OUTLET AND DEVICE BOX MANUFACTURERS:
 - COOPER GROUSE-HINDS
 - HUBBELL INCORPORATED, BELL OR RACO PRODUCTS
 - O-Z/GEDNET
 - THOMAS & BETTS CORPORATION
 - APPROVED EQUAL
 - POWER POLES
 - HUBBELL HBLPP10A PPTRIM1 ATB
 - NOMINAL 2INX2INX10FT VERTICAL, TWO-CHANNEL WITH DIVIDER, ONE SIDE POWER AND SECOND SIDE TELECOMMUNICATIONS.
 - ALUMINUM WITH FACTORY GRAY FINISH
 - TWO (2) FACTORY FURNISHED NEMA 5-20R DUPLEX RECEPTACLES ON SINGLE CIRCUIT BLANK PLATE OVER SINGLE OUTLET ON TELECOM SIDE.
 - BRACE TOP WITH CEILING GRID FRAME, TRIM PLATE AT TILE. FASTEN BOTTOM WITH ANCHORS.
- EXECUTION
 - PROVIDE FITTINGS LISTED FOR THE RACEWAY OR BOX FURNISHED.
 - LOCATE BOXES TO BE ACCESSIBLE AS DEFINED BY THE NEC.
 - PROVIDE GROUNDING TERMINALS WITHIN BOXES WHERE EQUIPMENT GROUNDING CONDUCTORS TERMINATE.
 - MAINTAIN 24-INCH HORIZONTAL SEPARATION BETWEEN BOXES IN 1 AND 2-HOUR FIRE RATED WALLS OR WRAP BOX WITH FIRE-RESISTIVE PUTTY TO MAINTAIN WALL RATING.
 - PROVIDE INDEPENDENT SUPPORT FROM BUILDING STRUCTURE EXCEPT FOR CAST METAL BOXES SUPPORTED BY THREADED CONDUIT CONNECTIONS IN ACCORDANCE WITH NFPA 70. DO NOT PROVIDE SUPPORT FROM PIPING, DUCTWORK, OR OTHER SYSTEMS. DO NOT PROVIDE SUPPORT FROM SUSPENDED CEILING GRID SUPPORT SYSTEM.

D2	BOXES
N.T.S.	

GROUNDING AND BONDING

- GENERAL
 - SUBMITTALS: NOT REQUIRED.
- PRODUCTS
 - UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE ALL REQUIRED COMPONENTS, CONDUCTORS, CONNECTORS, CONDUIT, BOXES, FITTINGS, SUPPORTS, ACCESSORIES, ETC. AS NECESSARY FOR A COMPLETE GROUNDING AND BONDING SYSTEM.
 - WHERE CONDUCTOR SIZE IS NOT INDICATED, SIZE TO COMPLY WITH NFPA 70 BUT NOT LESS THAN APPLICABLE MINIMUM SIZE REQUIREMENTS SPECIFIED.
 - GROUNDING SYSTEM RESISTANCE OF GROUNDING ELECTRODE SYSTEM: NOT GREATER THAN 25 OHMS TO GROUND, WHEN TESTED ACCORDING TO IEEE 81 USING "FALL-OF-POTENTIAL" METHOD. BETWEEN GROUNDING ELECTRODE SYSTEM AND MAJOR ELECTRICAL EQUIPMENT FRAMES, SYSTEM NEUTRAL, AND DERIVED NEUTRAL POINTS: NOT GREATER THAN 0.5 OHMS, WHEN TESTED USING "POINT-TO-POINT" METHODS.
 - GROUNDING ELECTRODE SYSTEM
 - METAL UNDERGROUND WATER PIPE(S); PROVIDE CONNECTION TO UNDERGROUND METAL DOMESTIC AND FIRE PROTECTION (WHERE PRESENT) WATER SERVICE PIPE(S) THAT ARE IN DIRECT CONTACT WITH EARTH FOR AT LEAST 10 FEET AT AN ACCESSIBLE LOCATION NOT MORE THAN 5 FEET FROM THE POINT OF ENTRANCE TO THE BUILDING. PROVIDE BONDING JUMPER(S) AROUND INSULATING JOINTS/PIPES AS REQUIRED TO MAKE PIPE ELECTRICALLY CONTINUOUS. PROVIDE BONDING JUMPER AROUND WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER OF SUFFICIENT LENGTH TO PERMIT REMOVAL OF DEVICES WITHOUT DISCONNECTING JUMPER.
 - PROVIDE ADDITIONAL GROUND ELECTRODE(S) AND ENHANCEMENT MATERIAL AS REQUIRED TO ACHIEVE SPECIFIED GROUNDING ELECTRODE SYSTEM RESISTANCE.
 - LOCATE GROUND BAR ADJACENT TO SERVICE DISCONNECT UNLESS NOTED OTHERWISE
 - SERVICE SUPPLIED SYSTEM GROUNDING: PROVIDE SYSTEM BONDING JUMPER TO CONNECT ELECTRODE CONDUCTOR TO CONNECT NEUTRAL (GROUNDED) SERVICE CONDUCTOR TO GROUNDING ELECTRODE SYSTEM AT NEUTRAL (GROUNDED) BUS IN SERVICE DISCONNECT ENCLOSURE. PROVIDE MAIN BONDING JUMPER TO CONNECT NEUTRAL (GROUNDED) BUS TO EQUIPMENT GROUND BUS WHERE NOT FACTORY-INSTALLED.
 - SEPARATELY DERIVED SYSTEM GROUNDING: PROVIDE SYSTEM BONDING JUMPER TO CONNECT SYSTEM GROUNDED CONDUCTOR TO EQUIPMENT GROUND BUS AND TO ADJACENT METAL BUILDING FRAME OR METAL WATER PIPE NOT ALREADY USED AS A GROUNDING ELECTRODE FOR THE DERIVED SYSTEM. PROVIDE GROUNDING ELECTRODE CONDUCTOR TO CONNECT DERIVED SYSTEM GROUNDED CONDUCTOR TO NEAREST EFFECTIVELY GROUNDED METAL BUILDING FRAME OR COMMON GROUNDING ELECTRODE CONDUCTOR.
 - BONDING AND EQUIPMENT GROUNDING:
 - PROVIDE BONDING FOR EQUIPMENT GROUNDING CONDUCTORS, EQUIPMENT GROUND BUSES, METALLIC EQUIPMENT ENCLOSURES, METALLIC RACEWAYS AND BOXES, DEVICE GROUNDING TERMINALS, AND OTHER NORMALLY NON-CURRENT-CARRYING CONDUCTIVE MATERIALS ENLOSING ELECTRICAL CONDUCTORS/EQUIPMENT OR LIKELY TO BECOME ENERGIZED AS INDICATED AND IN ACCORDANCE WITH NFPA 70.
 - DO NOT USE RACEWAYS AS SOLE EQUIPMENT GROUNDING CONDUCTOR.
 - COMMUNICATIONS SYSTEMS BONDING AND BONDING:
 - PROVIDE INTERSYSTEM BONDING TERMINATION AT SERVICE EQUIPMENT AND AT DISCONNECTING MEANS.
 - PROVIDE BONDING JUMPER IN RACEWAY FROM INTERSYSTEM BONDING TERMINATION OR BUILDING GROUNDING ELECTRODE SYSTEM TO EACH COMMUNICATIONS ROOM OR BACKBOARD AND PROVIDE GROUND BAR FOR TERMINATION.
 - GROUNDING AND BONDING COMPONENTS:
 - UNDERGROUND CONDUCTORS: COPPER, BARE OR BARE TINNED. EXOTHERMIC WELD CONNECTIONS.
 - INTERIOR: COPPER, INSULATED. CONNECTORS: USE EXOTHERMIC WELDED CONNECTIONS WHERE INACCESSIBLE. ACCESSIBLE LOCATIONS: EXOTHERMIC, COMPRESSED, OR MECHANICAL CONNECTORS
 - GROUND BAR: COPPER RECTANGULAR GROUND BARS WITH MOUNTING BRACKETS AND INSULATORS. 14 BY 2 BY 12 INCHES, 18 INCHES ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED (UON).
 - GROUND ROD ELECTRODES: COPPER-BONDED STEEL 3/4 INCH DIAMETER BY 10 FEET LENGTH, UON.
 - EXECUTION
 - GROUND ROD ELECTRODES: INSTALL VERTICALLY, WHERE ENCOUNTERED ROCK PROHIBITS VERTICAL INSTALLATION, INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES DEEP IN ACCORDANCE WITH NFPA 70.
 - PROVIDE A CONTINUOUS (GREEN) EQUIPMENT GROUNDING CONDUCTOR WITH FEEDERS AND BRANCH CIRCUITS.
 - PROVIDE SYSTEM AND ENCLOSURE GROUNDING AT THE BUILDING SERVICE ENTRANCE PANELBOARD, SWITCHBOARD OR DISCONNECTING MEANS. INCLUDE EQUIPMENT BOND CONNECTION TO THE BUILDING STEEL BY EXOTHERMIC WELD, OR EQUAL. SIZE PER ARTICLE 250-94 OF THE NEC WHERE NOT INDICATED ON DRAWINGS.
 - PROVIDE GROUNDING BUSHINGS ON METAL CONDUIT TERMINATIONS AT SWITCHBOARDS, PANELBOARDS, JUNCTION BOXES, TRANSFORMERS, OR OTHER ENCLOSURES. T&B #3870, OR EQUAL. PROVIDE COPPER BONDING JUMPER FROM GROUNDING BUSHING TO ENCLOSURE WITH LUG TERMINATION BOLTED TO THE ENCLOSURE.
 - DRY TYPE TRANSFORMER: GROUND IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250-26 OF NEC. CONNECT THE NEUTRAL AND ENCLOSURE OF THE SECONDARY SIDE OF THE TRANSFORMER AT THE X0 TERMINAL WITH A BONDING JUMPER, SIZED IN ACCORDANCE WITH ARTICLE 250-79(C) OF THE NEC.

C3	GROUNDING AND BONDING
N.T.S.	

CONDUIT

- GENERAL:
 - CONDUIT SUBMITTAL: PROVIDE MANUFACTURER'S STANDARD CATALOG PAGES AND DATA SHEETS FOR CONDUITS AND FITTINGS.
- PRODUCTS
 - CONDUIT APPLICATIONS
 - RIGID POLYVINYL CHLORIDE (PVC) CONDUIT
 - UNDER SLAB, ON GRADE, OR DIRECT BURIED
 - CONCEALED WITHIN MASONRY WALLS
 - GALVANIZED STEEL RIGID METAL CONDUIT (RMC):
 - WHERE EMERGING FROM UNDERGROUND
 - CONDUIT ELBOWS UNDERGROUND WHERE 2 1/2 INCH PVC OR LARGER IS USED.
 - DAMP LOCATION, WET LOCATION, OR EXPOSED
 - ELECTRICAL METALLIC TUBING (EMT)
 - CONCEALED WITHIN HOLLOW STUD WALLS OR ACCESSIBLE CEILINGS
 - FLEXIBLE METAL CONDUIT (FMC):
 - FINAL CONNECTION TO LUMINAIRE ABOVE ACCESSIBLE CEILING.
 - DRY LOCATION FOR FINAL CONNECTION TO VIBRATING EQUIPMENT
 - FISHED IN EXISTING WALLS
 - LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC):
 - DAMP OR WET LOCATION FOR FINAL CONNECTION TO VIBRATING EQUIPMENT
 - MINIMUM ABOVE GROUND BRANCH CIRCUIT CONDUIT SIZE: 3/4 INCH.
 - MINIMUM UNDER GROUND BRANCH CIRCUIT CONDUIT SIZE: 1 INCH.
 - RMC AND EMT RACEWAY MANUFACTURERS
 - ALLIED TUBE AND CONDUIT
 - WHEATLAND TUBE COMPANY
 - REPUBLIC CONDUIT
 - APPROVED EQUAL
 - FMC AND LFMC MANUFACTURERS
 - AFC CABLE SYSTEMS
 - ELECTRI-FLEX COMPANY
 - INTERNATIONAL METAL HOSE
 - APPROVED EQUAL
 - PVC MANUFACTURERS
 - CANTEX INC
 - CARLON, A BRAND OF THOMAS & BETTS CORPORATION
 - JM EAGLE
 - APPROVED EQUAL
 - EXECUTION:
 - PROVIDE FITTINGS LISTED FOR THE RACEWAY FURNISHED.
 - PROVIDE SEALING COMPOUND FOR SEALING FITTINGS LISTED FOR USE WITH FITTING TO BE INSTALLED
 - SLEEVE AND SEAL PENETRATIONS THROUGH RATED ASSEMBLIES.
 - SLEEVE AND WATER PROOF SEAL THROUGH ROOF AND EXTERIOR WALL PENETRATIONS INCLUDING CONDULET FITTING FOR INTERIOR PUTTY SEALANT.
 - RACEWAYS 2-1/2 INCH AND OVER: SEISMICALLY BRACE RACEWAYS LATERALLY AND LONGITUDINALLY. PROVIDE SEISMIC ASSEMBLIES RATED FOR THE APPLICATION.
 - PROVIDE INDEPENDENT SUPPORT FROM BUILDING STRUCTURE.
 - ARRANGE CONDUIT TO PROVIDE NO MORE THAN THE EQUIVALENT OF THREE 90 DEGREE BENDS BETWEEN PLE POINTS
 - MAINTAIN AT LEAST 6 INCHES CLEARANCE FROM CONDUIT AND PIPING
 - MAINTAIN AT LEAST 12 INCH CLEARANCE FROM HOT SURFACES
 - PROVIDE CONDUIT STRAP TO SUPPORT SINGLE SURFACE-MOUNTED CONDUIT.
 - PROVIDE METAL CHANNEL (STRUT) WITH ACCESSORY CONDUIT CLAMPS TO SUPPORT MULTIPLE PARALLEL CONDUITS
 - PROVIDE CONDUIT CLAMP TO SUPPORT SINGLE CONDUIT FROM BEAM CLAMP OR THREADED ROD
 - PROVIDE TRAPEZE HANGERS ASSEMBLED FROM THREADED RODS AND METAL CHANNEL (STRUT) WITH ACCESSORY CONDUIT CLAMPS TO SUPPORT MULTIPLE PARALLEL SUSPENDED CONDUITS.
 - PROVIDE INSULATING BUSHINGS OR INSULATED THROATS AT ALL CONDUIT TERMINATIONS TO PROTECT CONDUCTORS.
 - MAKE PENETRATIONS FOR ROOF-MOUNTED EQUIPMENT WITHIN ASSOCIATED EQUIPMENT OPENINGS AND CURBS WHERE POSSIBLE TO MINIMIZE ROOFING SYSTEM PENETRATIONS. WHERE PENETRATIONS ARE NECESSARY, SEAL AS INDICATED OR AS REQUIRED TO PRESERVE INTEGRITY OF ROOFING SYSTEM AND MAINTAIN ROOF WARRANTY.
 - BURY UNDERGROUND EXTERIOR CONDUIT MINIMUM 24 INCHES BELOW GRADE.

D4	IDENTIFICATION
N.T.S.	

IDENTIFICATION

- GENERAL
 - SUBMITTALS: NOT REQUIRED.
 - DO NOT CONCEAL ITEMS TO BE IDENTIFIED, IN LOCATIONS SUCH AS ABOVE SUSPENDED CEILINGS, UNTIL IDENTIFICATION PRODUCTS HAVE BEEN INSTALLED.
- PRODUCTS
 - WIRE AND CABLE MARKERS
 - WRAP AROUND SELF-ADHESIVE VINYL SELF-LAMINATING TYPE MARKERS SUITABLE FOR THE CONDUCTOR OR CABLE TO BE IDENTIFIED. 1/8 INCH TEXT HEIGHT, BLACK TEXT ON WHITE BACKGROUND
 - PANELBOARD NAMEPLATE: 2 INCH BY 4 INCH ENGRAVED. BLACK PLASTIC WITH 3/16 INCH BLACK LETTERING. INDICATE TRANSFORMER NAME, KVA, AMPERAGE, VOLTAGE, PHASE, AND POWER SOURCE. ARC-FLASH HAZARD WARNING LABEL: 4 INCH BY 6 INCH SELF-ADHESIVE VINYL.
 - USE TYPEWRITTEN CIRCUIT DIRECTORY. IDENTIFY PANELBOARD NAME, LOADS SERVED, SPARES AND SPACES.
 - TRANSFORMER NAMEPLATE: 2 INCH BY 4 INCH ENGRAVED. BLACK PLASTIC WITH 3/16 INCH BLACK LETTERING. INDICATE TRANSFORMER NAME, KVA, AMPERAGE, VOLTAGE, PHASE, AND POWER SOURCE.
 - ENCLOSED SWITCHES: 2 INCH BY 4 INCH ENGRAVED. BLACK PLASTIC WITH 3/16 INCH BLACK LETTERING. INDICATE VOLTAGE, PHASE, AND POWER SOURCE.
 - WIRING DEVICES: 1/2 INCH SELF-ADHESIVE PRINTED LABEL, WHITE WITH BLACK LETTERING, ON COVER PLATE, INDICATING PANEL AND CIRCUIT.
 - BOXES: 1/4 INCH HAND LETTERING INDICATING PANELBOARD AND CIRCUIT NUMBERS. PERMANENT FELT TIP MARKER.
 - IDENTIFY SERVICE DISCONNECT WITH 1 INCH BY 2 INCH ENGRAVED. BLACK PLASTIC WITH 3/16 INCH BLACK LETTERING.
 - WARNING SIGNS AND LABELS
 - DDD
 - NAMEPLATE MANUFACTURERS:
 - BRIMAR INDUSTRIES, INC
 - KOLBI PIPE MARKER CO
 - SETON IDENTIFICATION PRODUCT
 - APPROVED EQUAL
 - LABEL MANUFACTURERS:
 - BRADY CORPORATION
 - BROTHER INTERNATIONAL CORPORATION
 - PANDUIT CORP
 - APPROVED EQUAL
- EXECUTION
 - INSTALL IDENTIFICATION PRODUCTS TO BE PLAINLY VISIBLE FOR EXAMINATION, ADJUSTMENT, SERVICING, AND MAINTENANCE UNLESS OTHERWISE INDICATED, LOCATE PRODUCTS AS FOLLOWS:
 - SURFACE-MOUNTED EQUIPMENT: ENCLOSURE FRONT.
 - FLUSH-MOUNTED EQUIPMENT: INSIDE OF EQUIPMENT DOOR.
 - FREE-STANDING EQUIPMENT: ENCLOSURE FRONT; ALSO ENCLOSURE REAR FOR EQUIPMENT WITH REAR ACCESS.
 - ELEVATED EQUIPMENT: LEGIBLE FROM THE FLOOR OR WORKING PLATFORM.
 - BRANCH DEVICES: ADJACENT TO DEVICE.
 - INTERIOR COMPONENTS: LEGIBLE FROM THE POINT OF ACCESS.
 - CONDUITS: LEGIBLE FROM THE FLOOR.
 - BOXES: OUTSIDE FACE OF COVER.
 - CONDUCTORS AND CABLES: LEGIBLE FROM THE POINT OF ACCESS.
 - DEVICES: OUTSIDE FACE OF COVER.

B4	CONDUIT
N.T.S.	

WIRING DEVICES

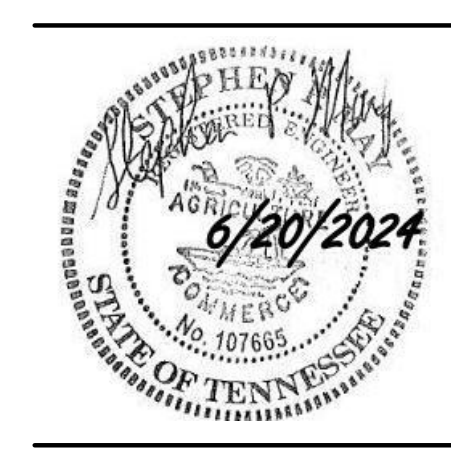
D1	WIRING DEVICES
N.T.S.	

D1	WIRING DEVICES
N.T.S.	

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WWW.A2H.COM



FAYETTE COUNTY, TN

FAYETTE COUNTY HEALTH DEPARTMENT

90 YUM YUM ROAD SOMERVILLE, TN 38068

CONSTRUCTION DOCUMENTS

REVISIONS

PROJECT NO. 23406	DATE JUNE 20, 2024
DRAWN Author	CHECKED Checker

ELECTRICAL SPECIFICATIONS

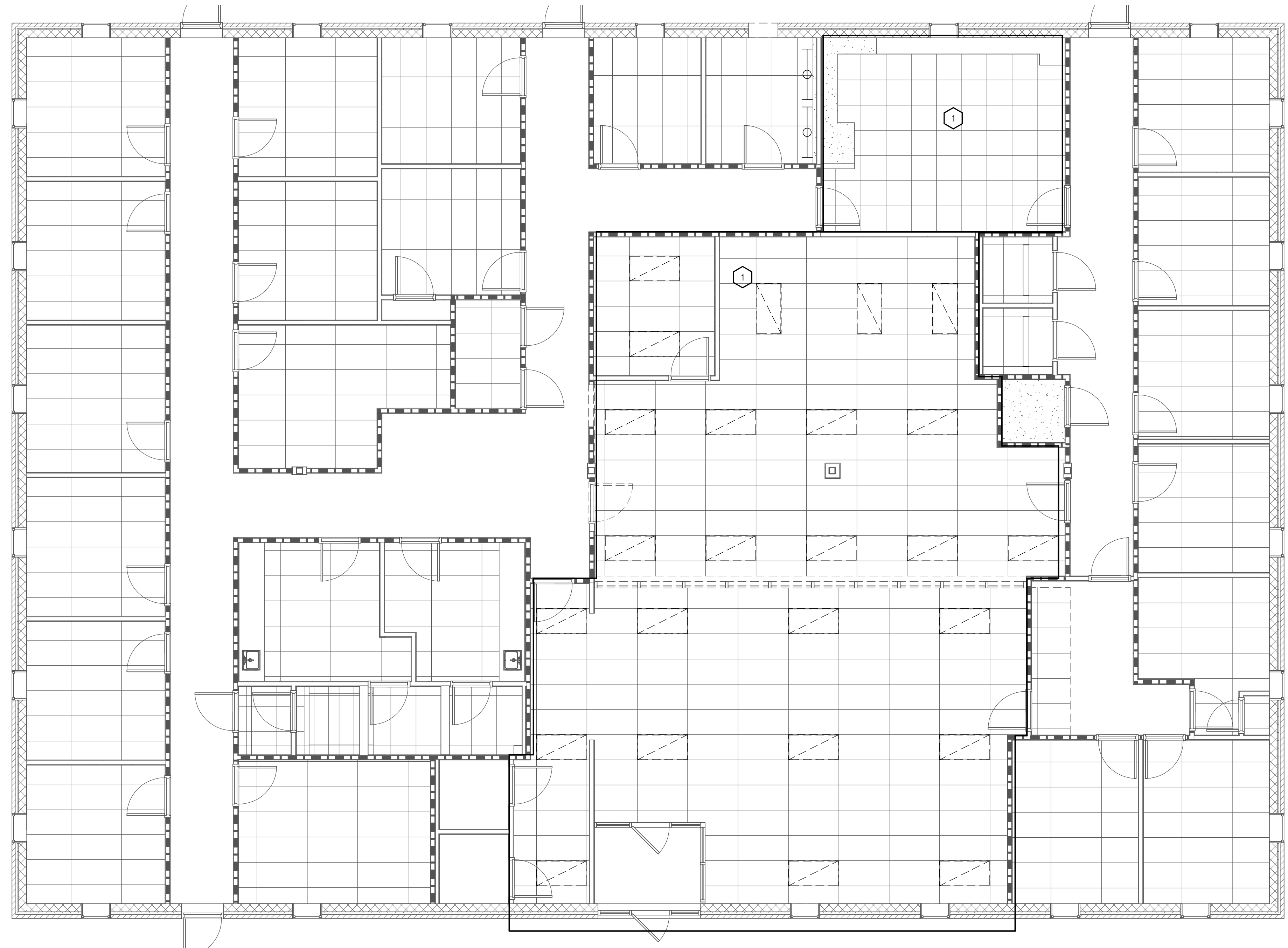
E0.1

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D3
3/16" = 1'-0"

LIGHTING DEMOLITION PLAN



KEYED NOTES

- 1 REMOVE EXISTING LIGHTS AND CONTROLS IN THIS AREA. MAINTAIN CIRCUIT FOR CONNECTION TO NEW FIXTURES.

5
12" = 1'-0"

KEYED NOTES

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FAYETTE COUNTY HEALTH DEPARTMENT

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LIGHTING - DEMOLITION FLOOR PLAN

E1.1

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INTERIOR LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	MODEL	COLOR	LUMENS	DIMMING	WATTS	MOUNTING	REMARKS
A	2X2 TROFFER	MANUF	FLUL-22-PS-3000L-35K-LD1-120	3500K	3000	0-10V 10%	23 VA	RECESSED	REMARK
B	4' ROUND DOWNLIGHT		4RN-24RDL-20935WOBKZ10U	3500K	2000	0-10V 10%	21 VA	RECESSED	
C	2X4 TROFFER		FLUL-24-PS-3000L-35K-LD1-120	3500K	3000	0-10V 10%	25 VA	RECESSED	
D4	LINEAR 4FT		FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-4'-0"	3500K	625/FT	0-10V 10%	22 VA	RECESSED	
D22	LINEAR 22FT		FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-22'-0"	3500K	625/FT	0-10V 10%	88 VA	RECESSED	
D32	LINEAR 32FT		FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-32'-0"	3500K	625/FT	0-10V 10%	176 VA	RECESSED	
D36	LINEAR 36FT		FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-36'-0"	3500K	625/FT	0-10V 10%	220 VA	RECESSED	
F	STRIP LIGHT		CLX-48-4000LM-SEF-FDL-120-GZ10-35K-80CRI	3500K	4000	0-10V 10%	30 VA	SURFACE	
N	EMERGENCY LIGHT		EU2L	N/A	N/A	N/A	2 VA	WALL MOUNT	
X	EXIT SIGN		LQM-S-3-R-120/277-EL-N	N/A	N/A	N/A	1 VA	CEILING MOUNT	

SUBMITTALS AND SUBSTITUTIONS:

1. MANUFACTURER'S TRADE NAMES OR CATALOG NUMBERS USED IN THIS SCHEDULE ARE A BASIS OF DESIGN TO DENOTE TYPE, SIZE, QUALITY, AND DESIGN OF EQUIPMENT REQUIRED. SEE SPECIFICATIONS FOR LIST OF PRE-APPROVED ALTERNATE MANUFACTURERS AND AGENCIES.
2. SUBMIT DATA SHEETS AND SHOP DRAWINGS FROM MANUFACTURER TO VERIFY SELECTIONS AND CONNECTIONS. SUBMITTAL DATA SHEETS SHALL BE ON LETTERHEAD OF AGENCY REPRESENTING MANUFACTURERS IN THE TERRITORY WHERE THE PROJECT IS LOCATED.
3. WHERE A SUBSTITUTE LIGHTING PACKAGE IS SUBMITTED FOR ENGINEER REVIEW, PROVIDE ALL FIXTURE CUTSHEETS WITH OPTIONS CLEARLY INDICATED. PROVIDE AN ELECTRONIC COPY OF PHOTOMETRIC CALCULATIONS FOR EACH SPACE WITH VISUAL LIGHTING SOFTWARE.
4. FURNISH SPECIFIED MATERIALS WHERE SUBSTITUTIONS ARE NOT APPROVED.

A1

LUMINAIRE SCHEDULE

N.T.S.

A4

KEYED NOTES

N.T.S.

A5

GENERAL NOTES

N.T.S.

LIGHTING CONTROLS NARRATIVE:

PROVIDE WIRED LOW VOLTAGE INFRARED OCCUPANCY SENSORS, POWER PACKS AND SWITCHES BY WATTSTOPPER OR EQUAL.

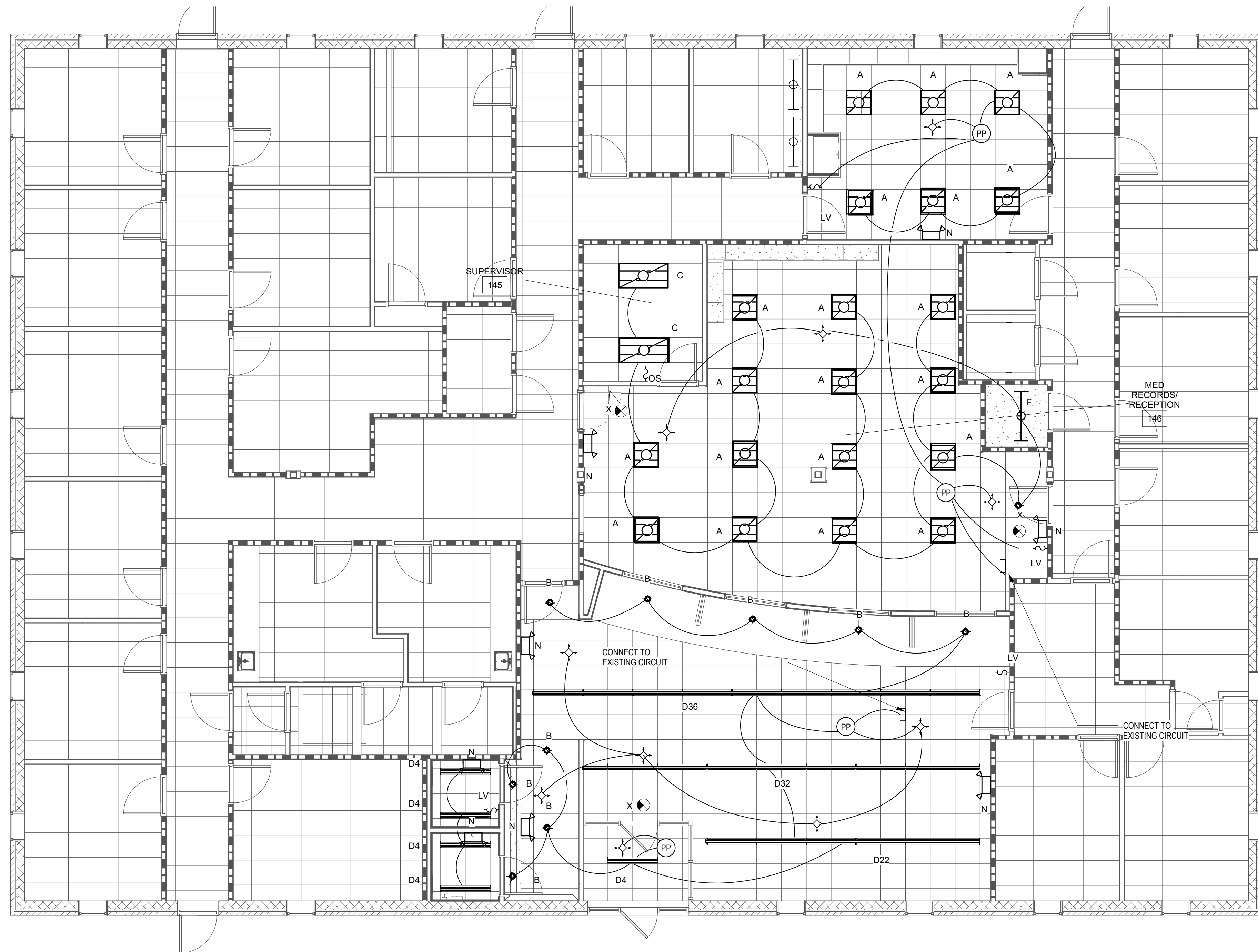
BREAK ROOM 115
VACANCY SENSOR OPERATION - MANUAL ON/AUTO OFF AFTER TIME DELAY

SUPERVISOR 145
VACANCY SENSOR OPERATION - MANUAL ON/AUTO OFF AFTER TIME DELAY

MED RECORDS/RECEPTION 146
VACANCY SENSOR OPERATION - MANUAL ON/AUTO OFF AFTER TIME DELAY

WAITING 101/VESTIBULE 100
OCCUPANCY SENSOR OPERATION - AUTO ON/AUTO OFF AFTER TIME DELAY

WOMEN 143/MEN 144
VACANCY SENSOR OPERATION - MANUAL ON/AUTO OFF AFTER TIME DELAY



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D3

LIGHTING PLAN

3/16" = 1'-0"



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GENERAL NOTES

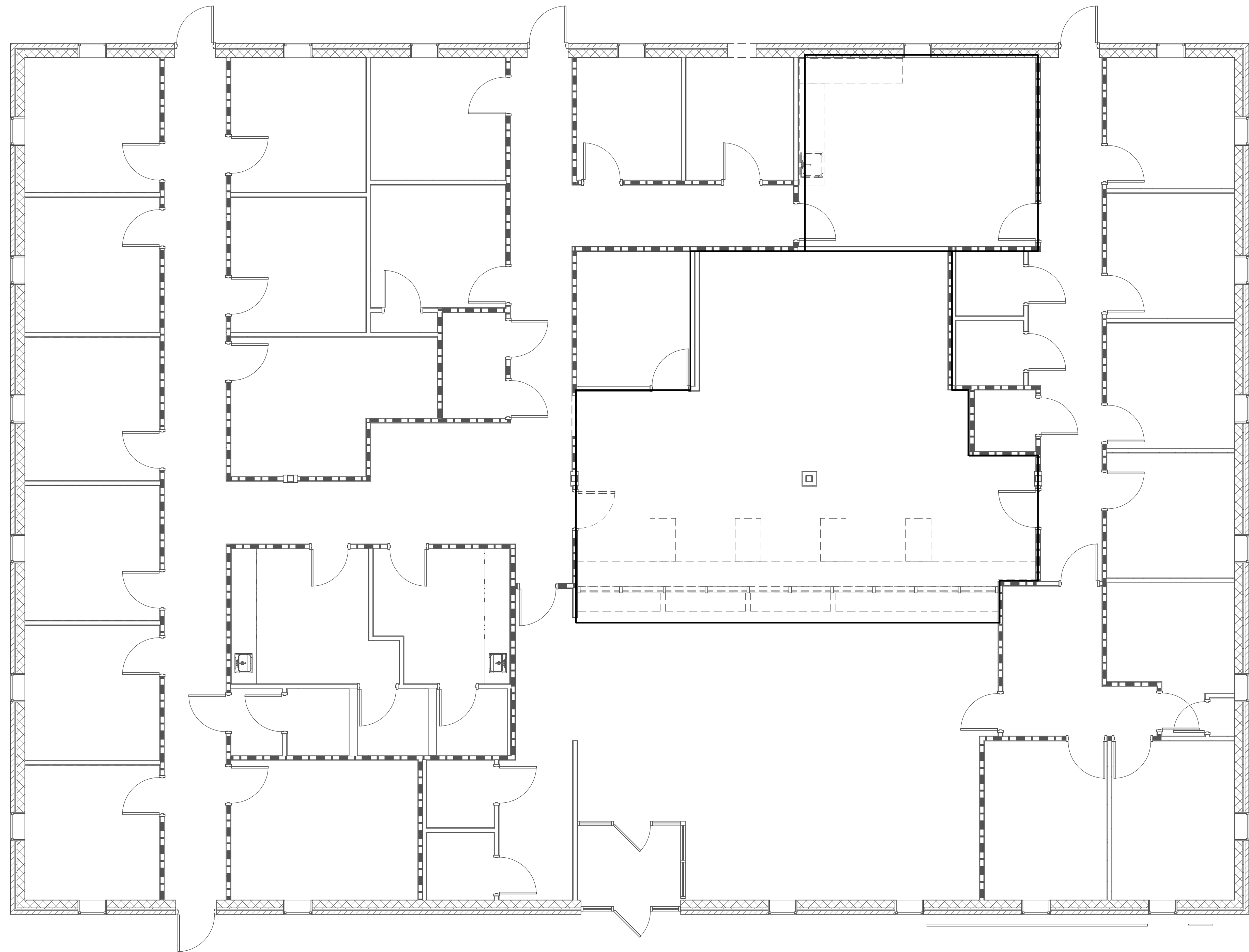
1. SEE SHEET E0.0.
2. PROVIDE ELECTRICAL DISTRIBUTION SYSTEM.

KEYED NOTES #

1. PROVIDE 20A CIRCUIT TO EXISTING PANEL OR UTILIZE EXISTING CIRCUIT FREED UP FROM DEMOLITION
2. PROVIDE A NEW 50A AND CIRCUIT FOR RANGE. CONNECT TO EXISTING OVEN/RANGE BREAKER.
3. PROVIDE 20A CIRCUIT TO EXISTING PANEL. PROVIDE 20/1 GFCI BREAKER IN AVAILABLE SPACE IN PANELBOARD.
4. PROVIDE RECESSED RECEPTACLE AT PRINTER SHELF. ROUTE CONDUIT IN CASEWORK CAVITY AT FLOOR LEVEL.

A5
N.T.S.

GENERAL AND KEYED NOTES



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**FAYETTE COUNTY,
TN**

**FAYETTE COUNTY
HEALTH
DEPARTMENT**

**90 YUM YUM ROAD
SOMERVILLE, TN 38068**

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DOCUMENTS**

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**POWER - DEMOLITION
FLOOR PLAN**

E2.1

D3

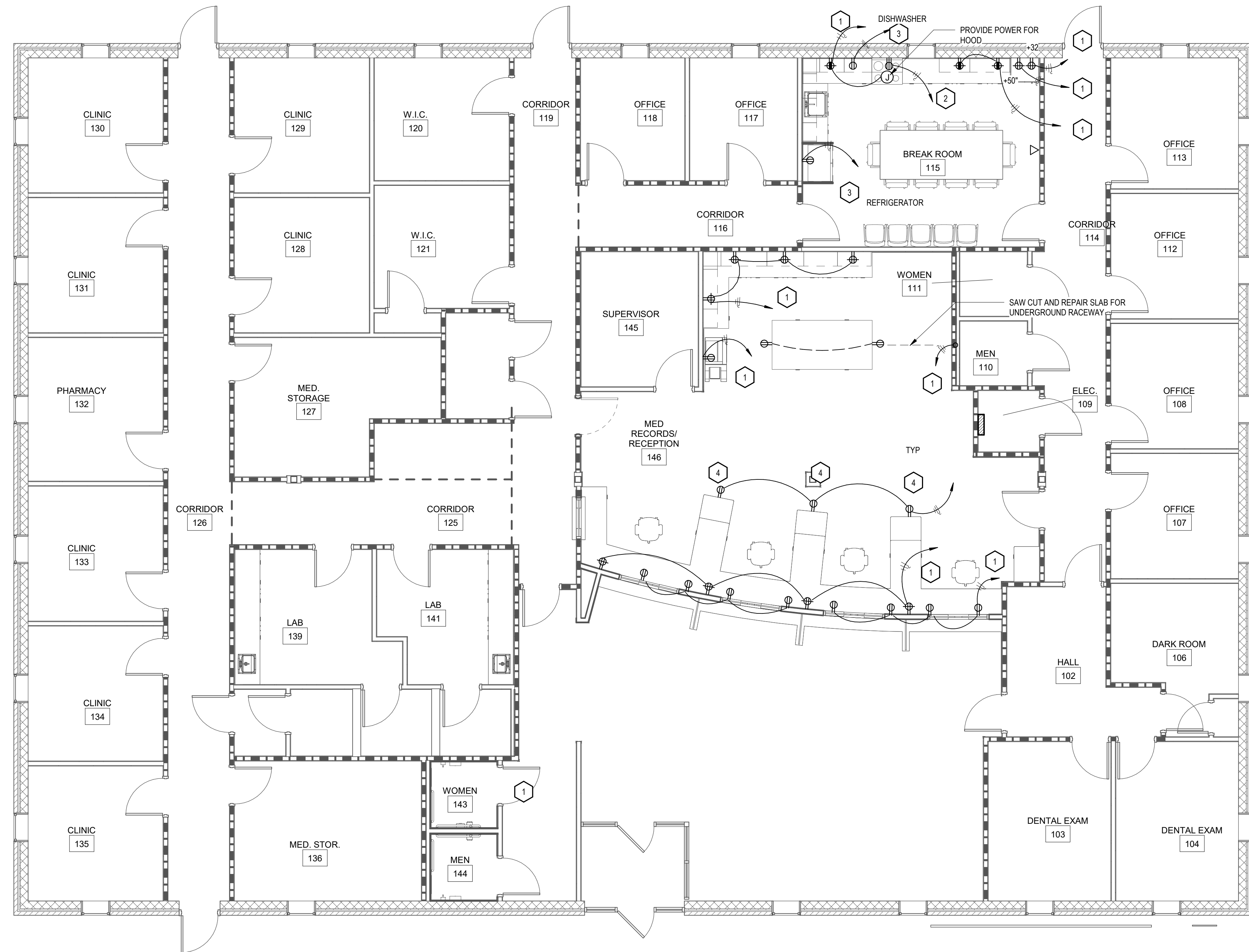
POWER - DEMOLITION FLOOR PLAN

3/16" = 1'-0"

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D3
POWER PLAN
3/16" = 1'-0"



GENERAL NOTES

1. SEE SHEET E0.0.
2. PROVIDE ELECTRICAL DISTRIBUTION SYSTEM.

KEYED NOTES #

1. PROVIDE 20A CIRCUIT TO EXISTING PANEL OR UTILIZE EXISTING CIRCUIT FREED UP FROM DEMOLITION
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4. PROVIDE RECESSED RECEPTACLE AT PRINTER SHELF. ROUTE CONDUIT IN CASEWORK CAVITY AT FLOOR LEVEL.

A5

GENERAL AND KEYED NOTES

N.T.S.



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POWER - FIRST FLOOR PLAN

E2.2

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D3

AUXILIARY DEMOLITION PLAN

3/16" = 1'-0"

GENERAL NOTES

- SEE SHEET E0.0.
- PROVIDE COMMUNICATION PATHWAY SYSTEM. SYSTEM TO INCLUDE OUTLET BOXES, CONDUIT STUBS TO ACCESSIBLE CEILINGS AND J-HOOKS.

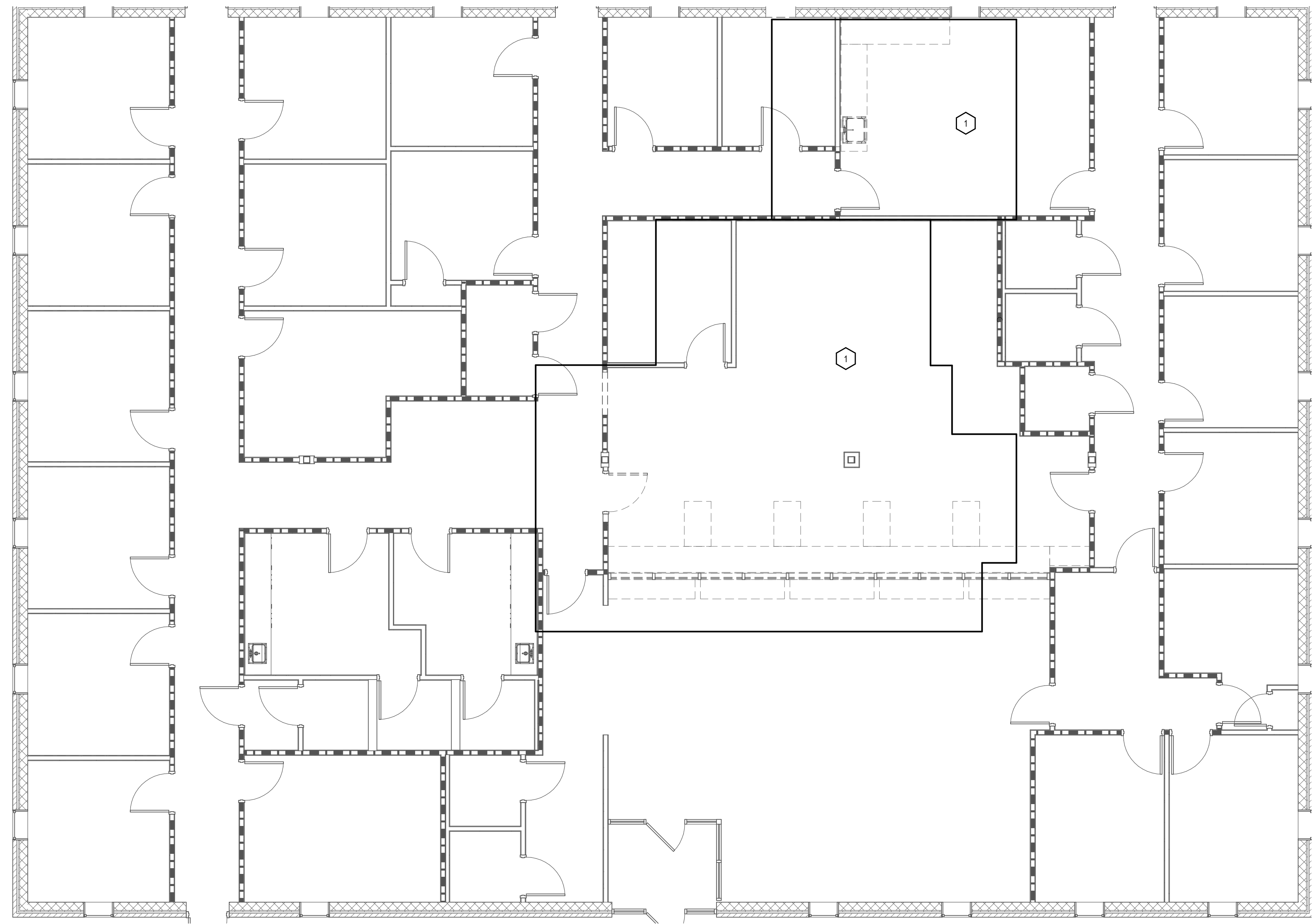
KEYED NOTES #

- DEMOLISH WIRING DEVICES IN THIS AREA. MAINTAIN CIRCUITRY FOR USE BY NEW DEVICES.

A5

N.T.S.

GENERAL AND KEYED NOTES



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AUXILIARY - DEMOLITION
FLOOR PLAN

E3.1

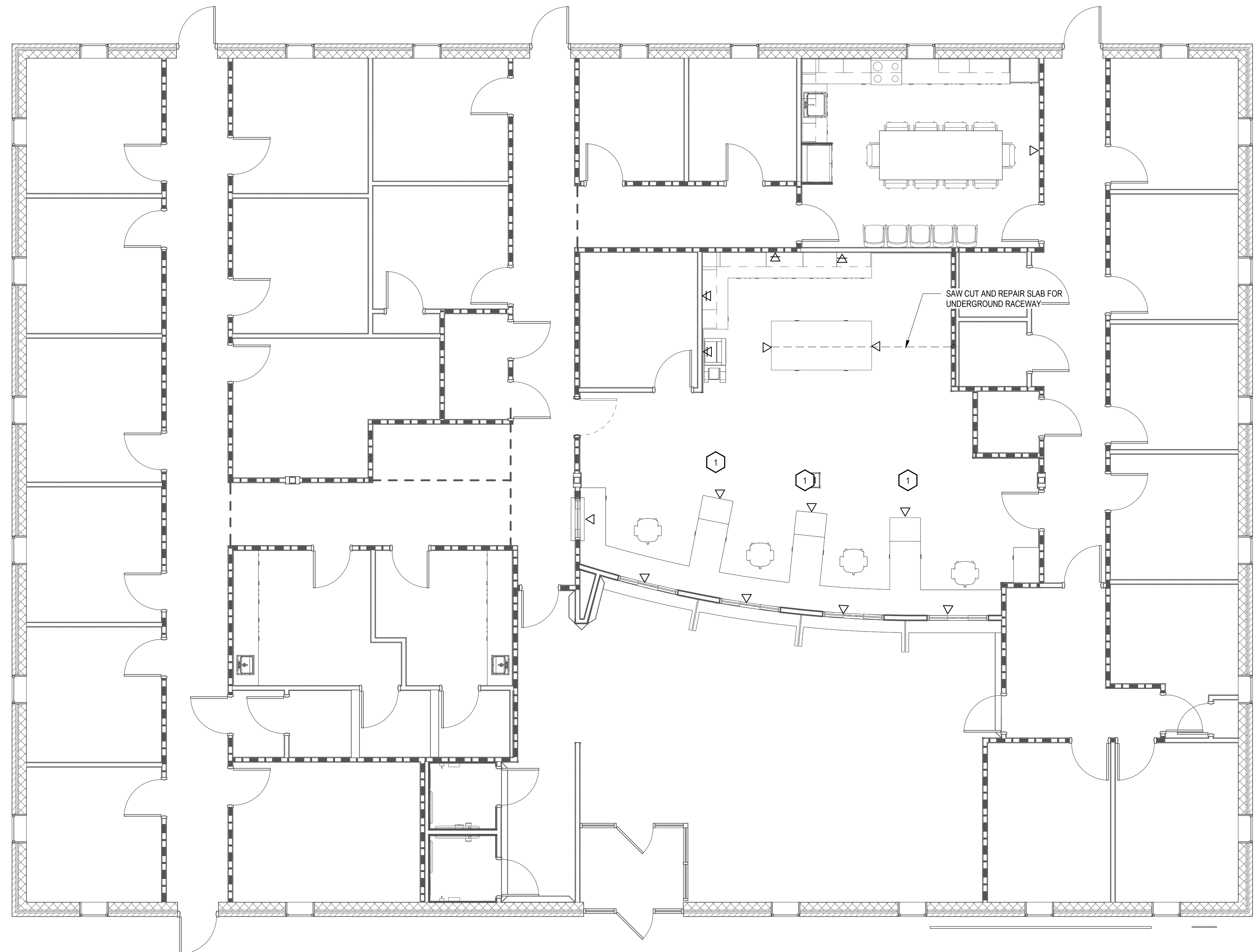
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D3

AUXILIARY PLAN

3/16" = 1'-0"



GENERAL NOTES

1. SEE SHEET E0.0.
2. PROVIDE COMMUNICATION PATHWAY SYSTEM. SYSTEM TO INCLUDE OUTLET BOXES, CONDUIT STUBS TO ACCESSIBLE CEILINGS AND J-HOOKS.

KEYED NOTES

1. DEMOLISH WIRING DEVICES IN THIS AREA. MAINTAIN CIRCUITRY FOR USE BY NEW DEVICES.

A5

N.T.S.

GENERAL AND KEYED NOTES

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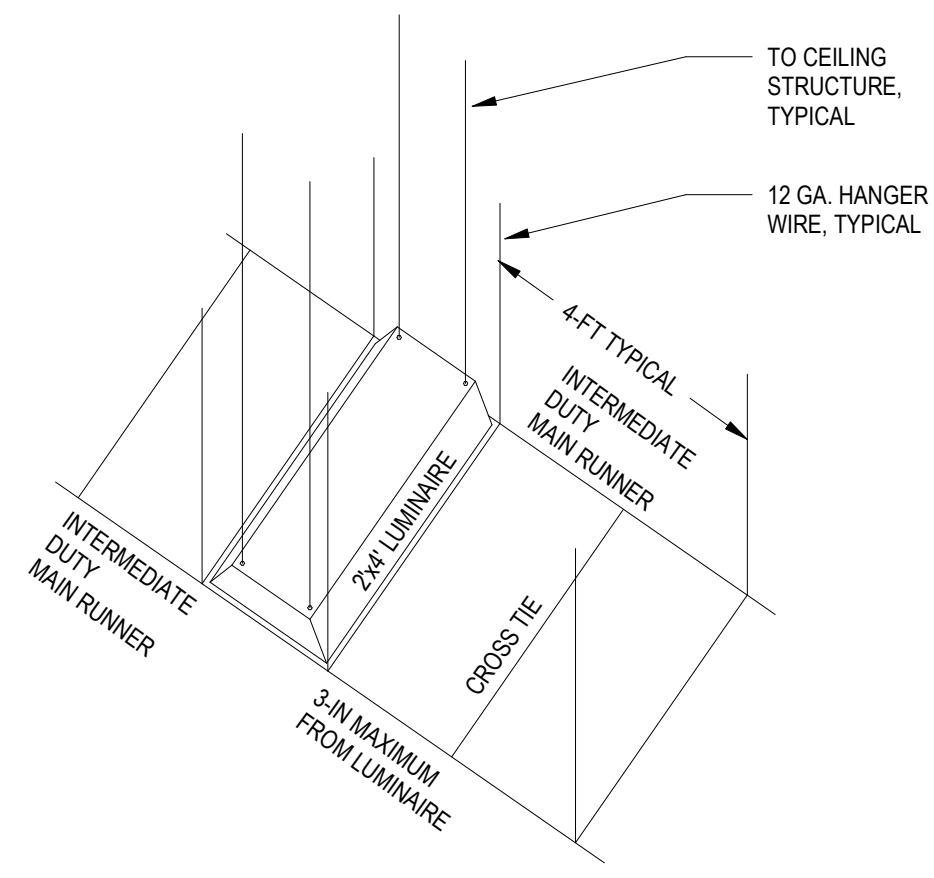
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AUXILIARY - FIRST FLOOR
PLAN

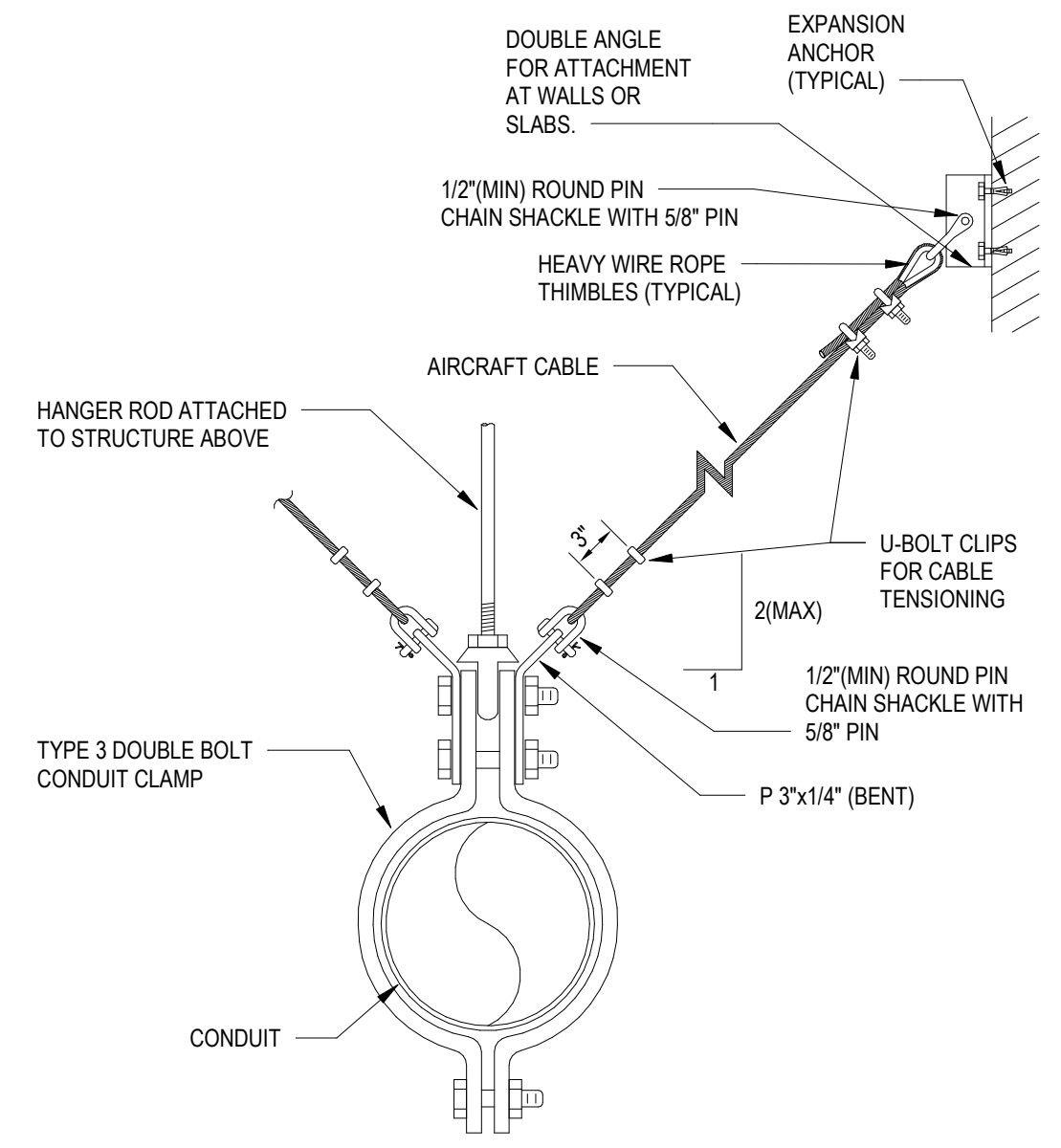
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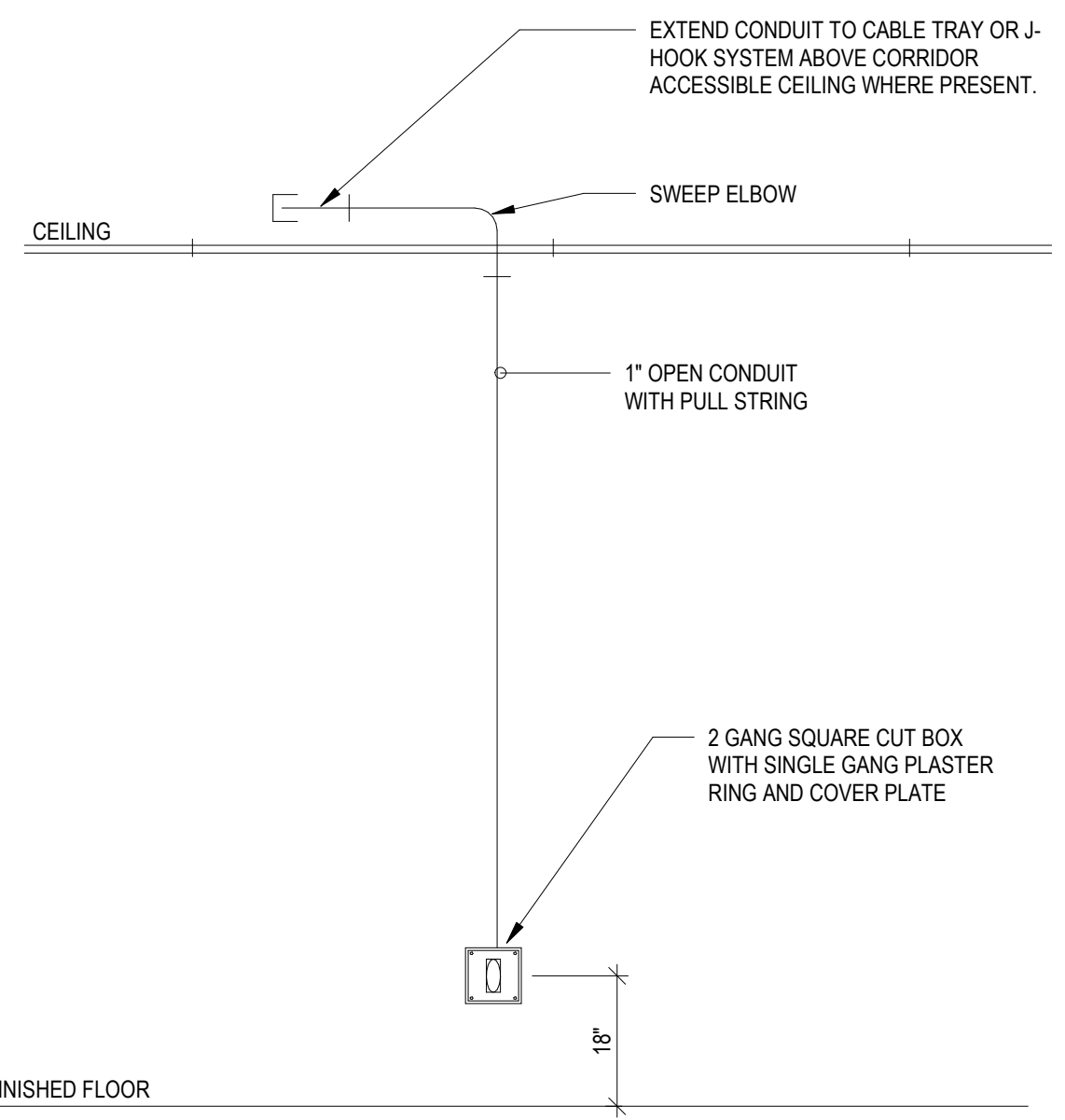


A1
N.T.S. DETAIL - LUMINAIRE - TROFFER

- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS.
 - THIS DETAIL IS PROVIDED AS AN ILLUSTRATION OF THE REQUIRED SEISMIC RESTRAINTS.

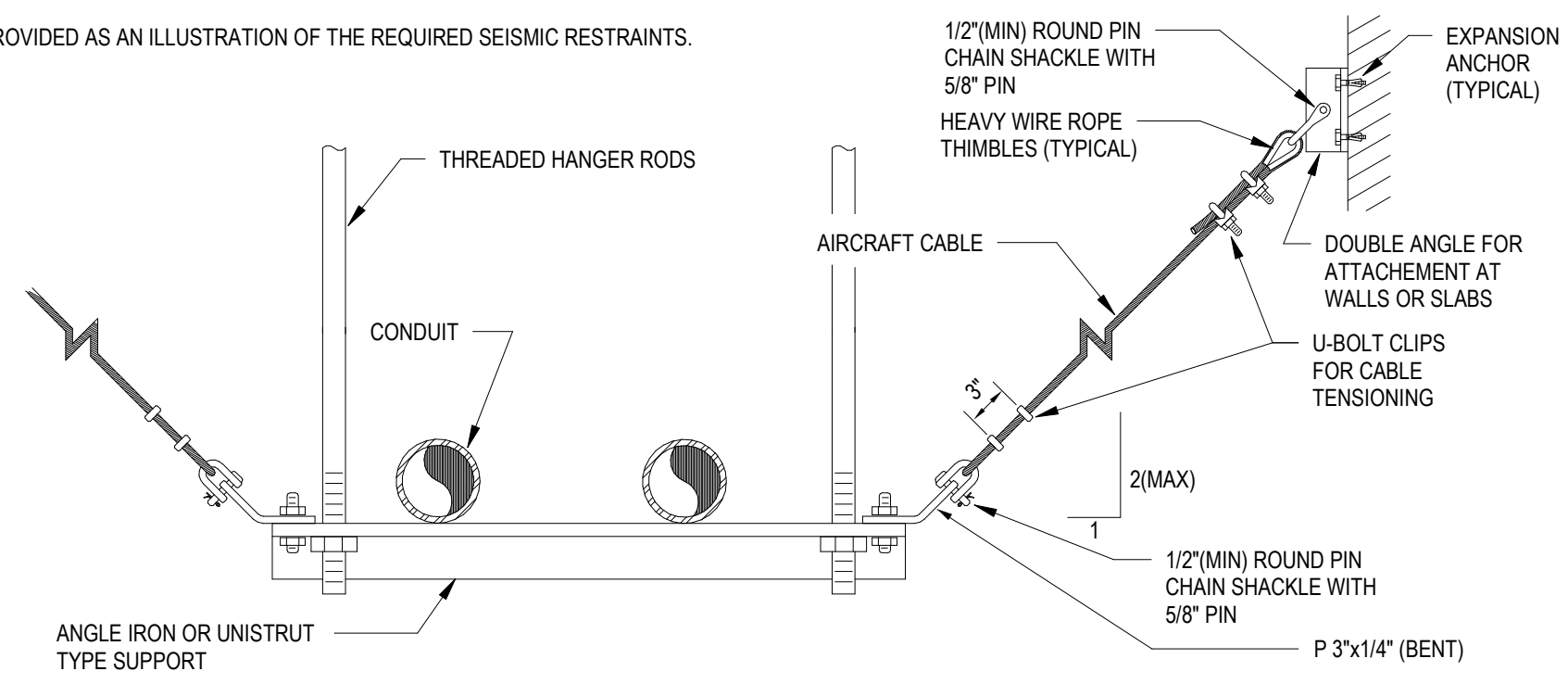


B2
N.T.S. DETAIL - SEISMIC CONDUIT SUPPORT



D3
N.T.S. DETAIL - AUXILIARY - VOICE-DATA ROUGH-IN

- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS.
 - THIS DETAIL IS PROVIDED AS AN ILLUSTRATION OF THE REQUIRED SEISMIC RESTRAINTS.



D1
N.T.S. DETAIL - SEISMIC TRAPEZE CONDUIT SUPPORT



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