

ACCESSIBLE ELEMENTS NOTES

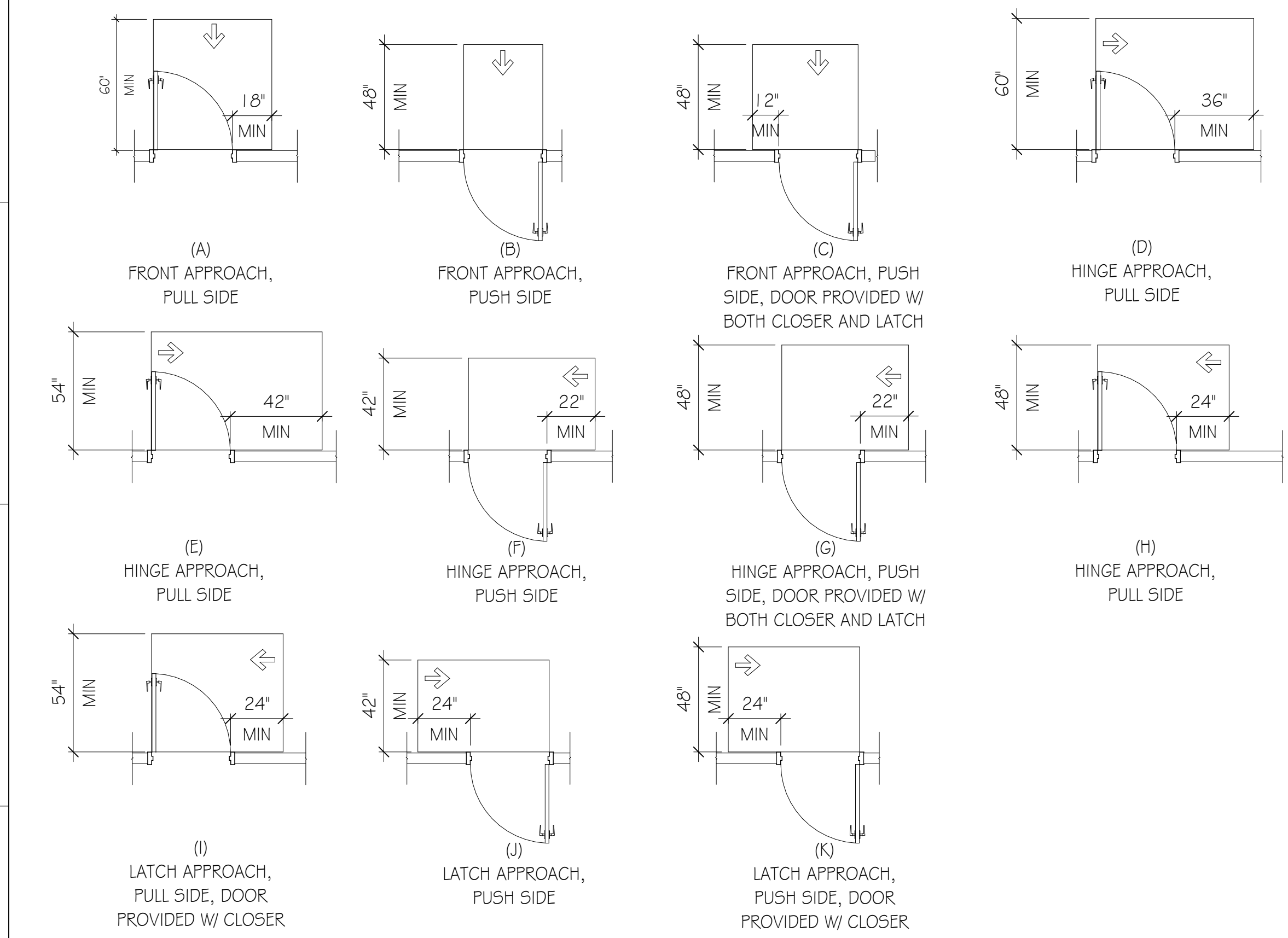
- 01. **ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR WITH AND SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS (OR FLORIDA BUILDING CODE ACCESSIBILITY) AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.
- 02. **ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES, WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.
- 03. **ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.
- 04. **ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.
- 05. **PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.
- 06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

ABBREVIATIONS AND ACRONYMS

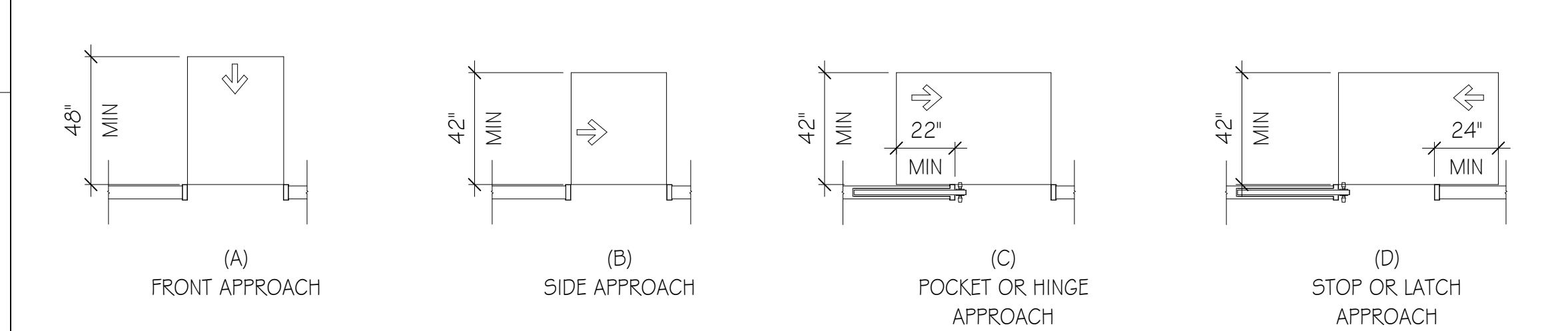
AFB	ABOVE FINISHED FLOOR	MAX	MAXIMUM
BOGB	BOTTOM OF GRAB BAR	MIN	MINIMUM
FFE	FINISHED FLOOR ELEVATION	TOGB	TOP OF GRAB BAR
FFW	FINISH FACE OF WALL	WC	WATER CLOSET
FO	FACE OF	W	WITH
GB	GRAB BAR	WO	WITHOUT
HOD	HIGHEST OPERABLE DEVICE		

DOOR AND GATE MANEUVERING CLEARANCES

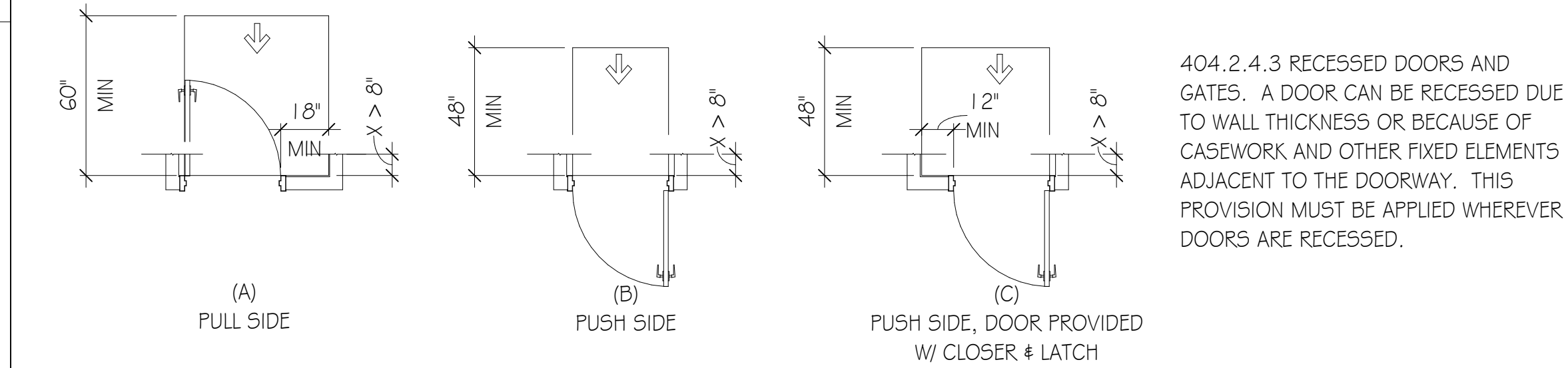
404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



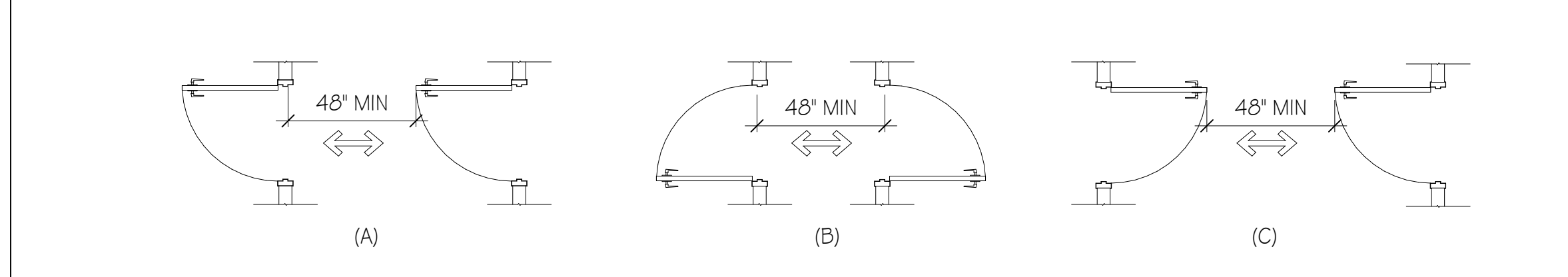
404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS



404.2.4.3 RECESSED DOORS AND GATES



404.2.4.6 DOORS IN SERIES AND GATES IN SERIES

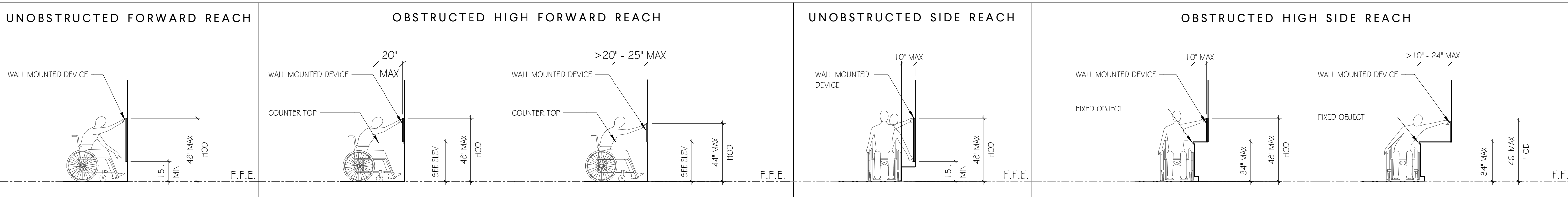


IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

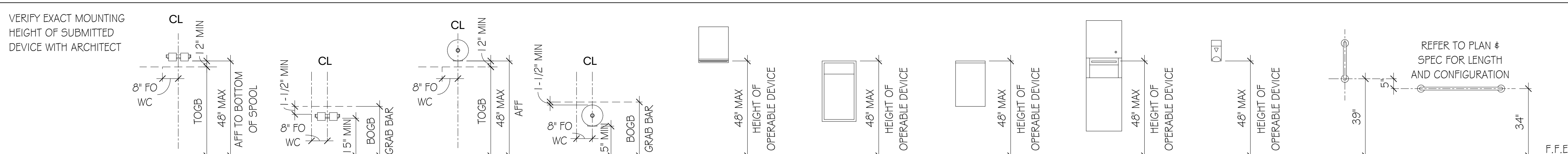
ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

SEE G1.12 FOR PLAN DETAILS

TYPICAL REACH RANGES



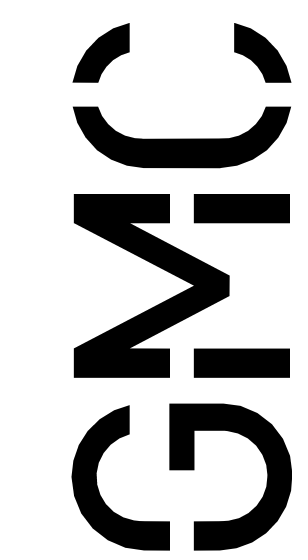
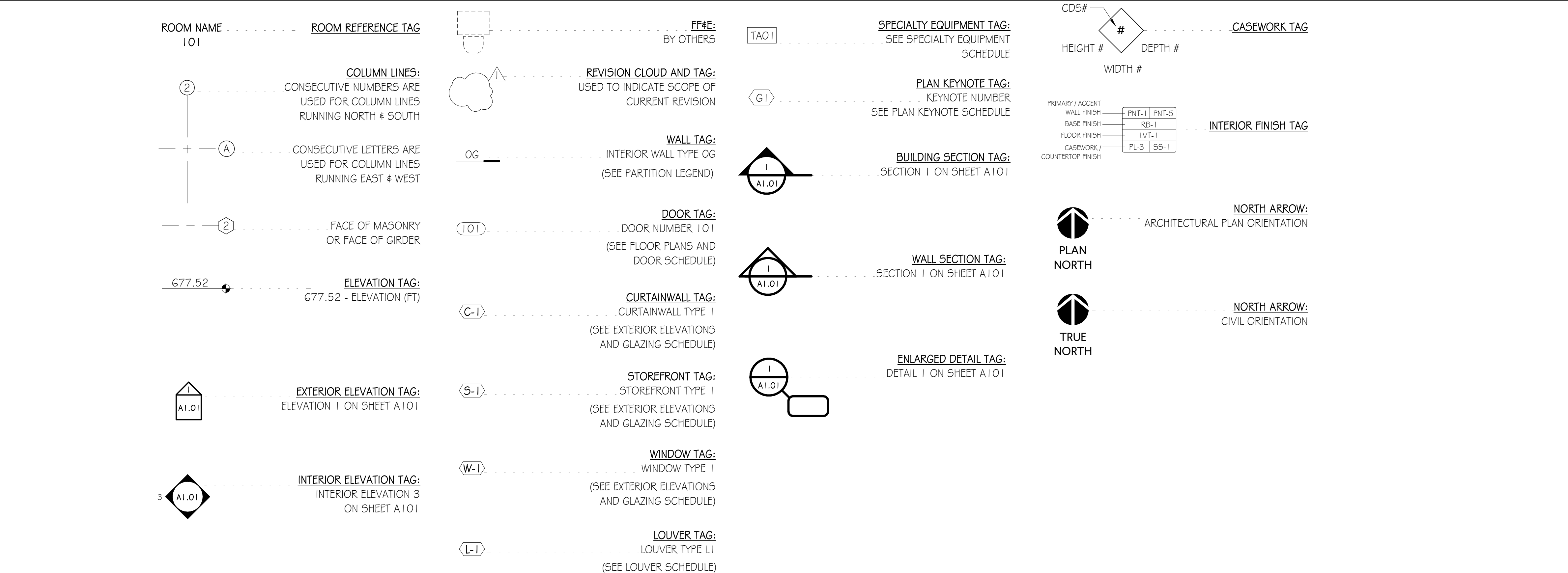
TYPICAL ACCESSIBLE MOUNTING HEIGHTS



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	TOILET TISSUE DISPENSER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	WASTE RECEPTACLE	WASTE RECEPTACLE	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL					
DRAWING DESIGNATION	TAO1 TA50	TAO2	TAO3 TAO4 TAO5 TAO6 TAO7 TAO8 TAO9 TA10	TA11 RECESSED	TA12 TA13 SURFACE MOUNTED	TA14 TA15 RECESSED	TA17 TA18	18" TA23 or TA74	18" TA23 or TA74 36" TA24 or TA65 or TA75 42" TA25 or TA66 or TA76 48" TA26					
TOILET ACCESSORY TYPE	MIRROR ADA	MIRROR FULL LENGTH	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	SANITARY NAPKIN DISPOSAL	TOILET SEAT COVER DISPENSER	TOWEL BAR OR TOILETRY SHELF	SPECIMEN PASS-THRU CABINET	HAND DRYER	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA30 TA31 TA77	TA32	TA33	TA36	TA38	TA53 T.B. TA54 T.S.	TA60	TA80	TA85	TA95	FE	FEC		



ANNOTATION SYMBOLS & TAGS



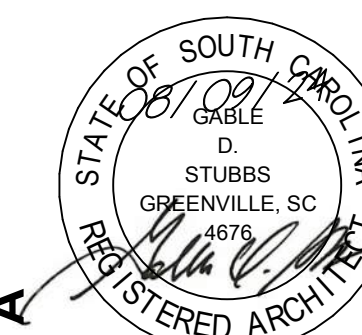
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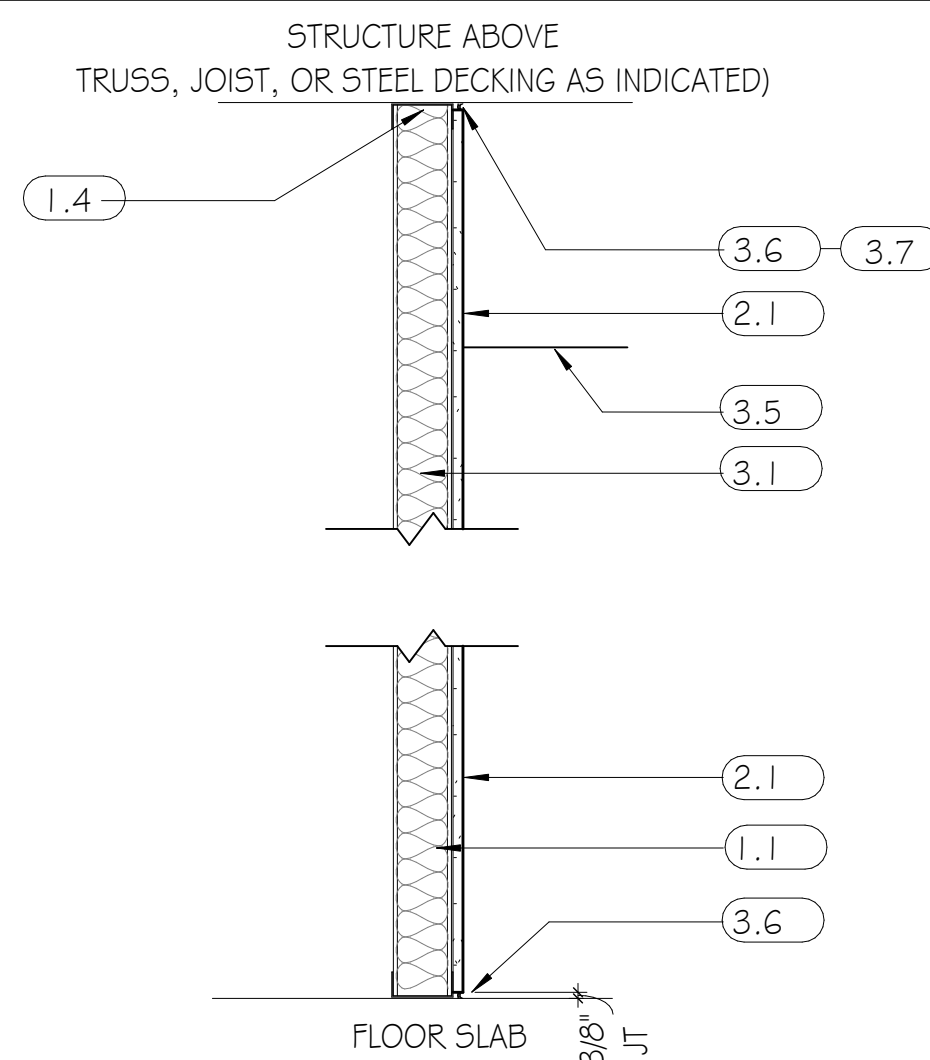
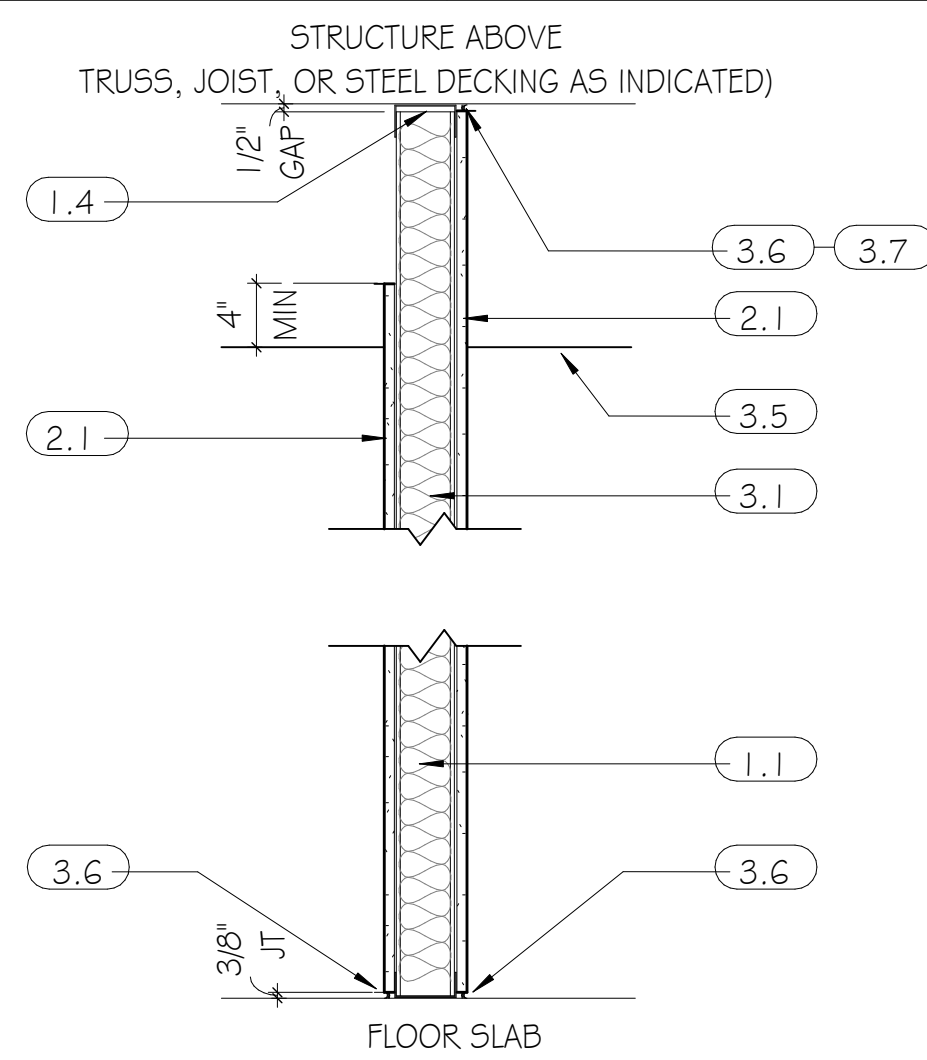
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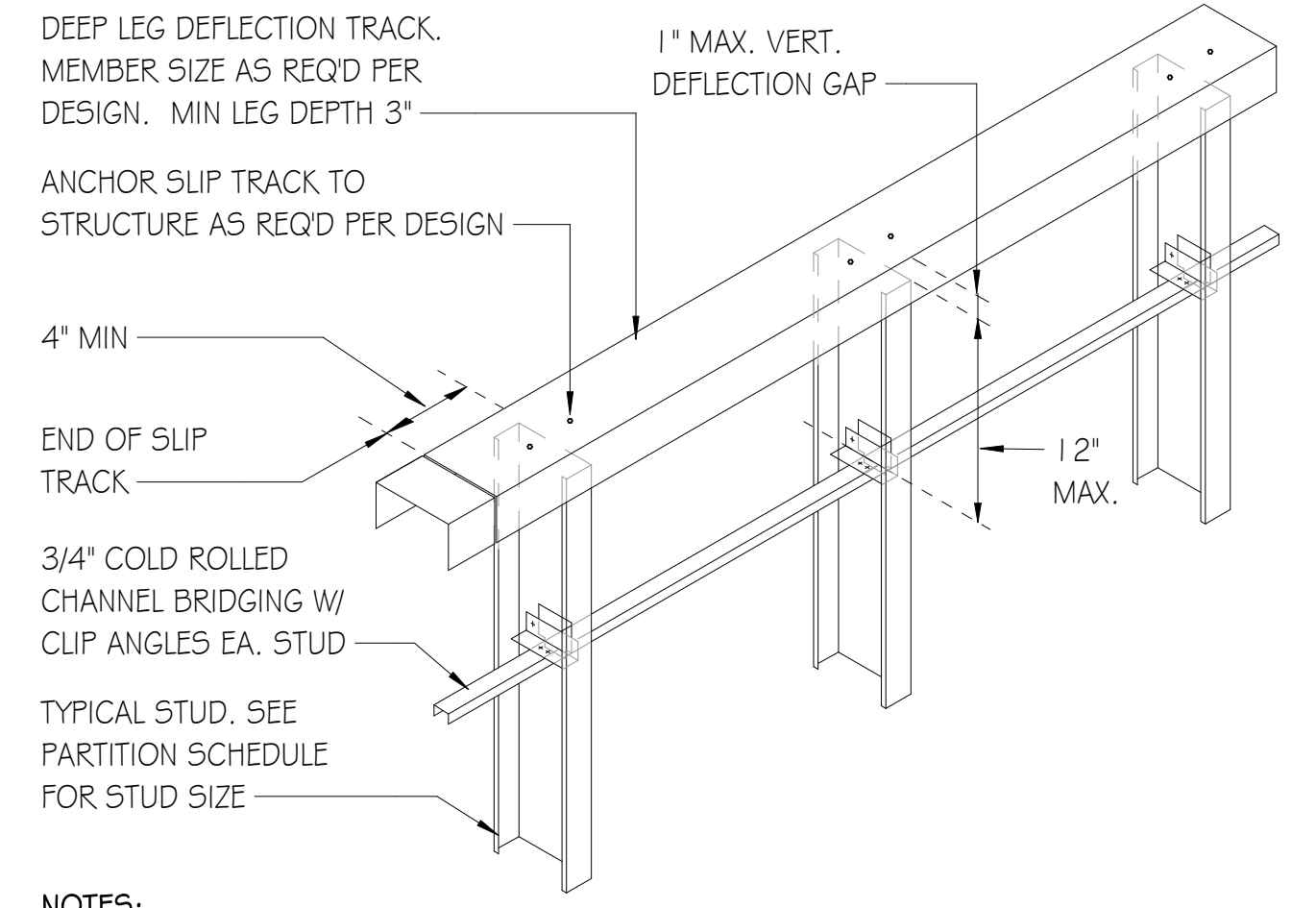
ACCESSIBILITY DATA

G1.11



NUMBERED NOTES

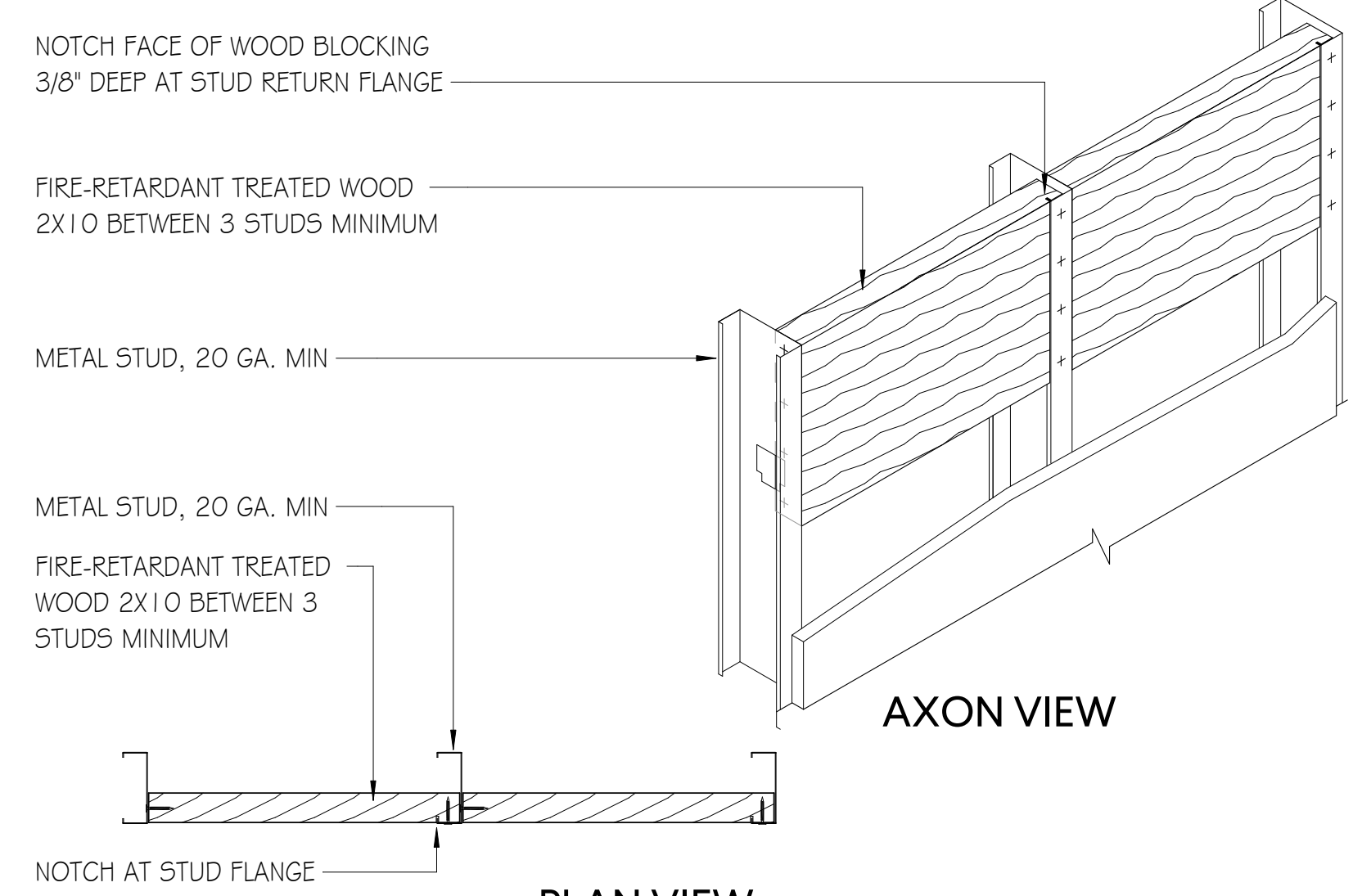
- 1.1 METAL STUDS 1 6" O.C. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS
- 1.4 DEFLECTION TRACK (0.0329" MTL. THICKNESS). MAINTAIN MIN. 1/2" STUD GAP
- 2.1 ONE LAYER 5/8 IN. GYP. BD
- 3.1 SOUND ATTENUATION BATT INSULATION. 3.5" THICK
- 3.5 ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/QCAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED
- 3.6 ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD
- 3.7 ACOUSTICAL SEALANT JOINT. AT FLUTED DECKS, COPE GYP. BD. TO UNDERSIDE OF DECK. FILL VOIDS W/ INSULATION. APPLY ACOUSTICAL SEALANT CONT. AT JOINT



- NOTES:
1. COMPLY WITH SPECIFICATION SECTION 09221 G - NON-STRUCTURAL METAL FRAMING.
 2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
 3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQD PER DESIGN.

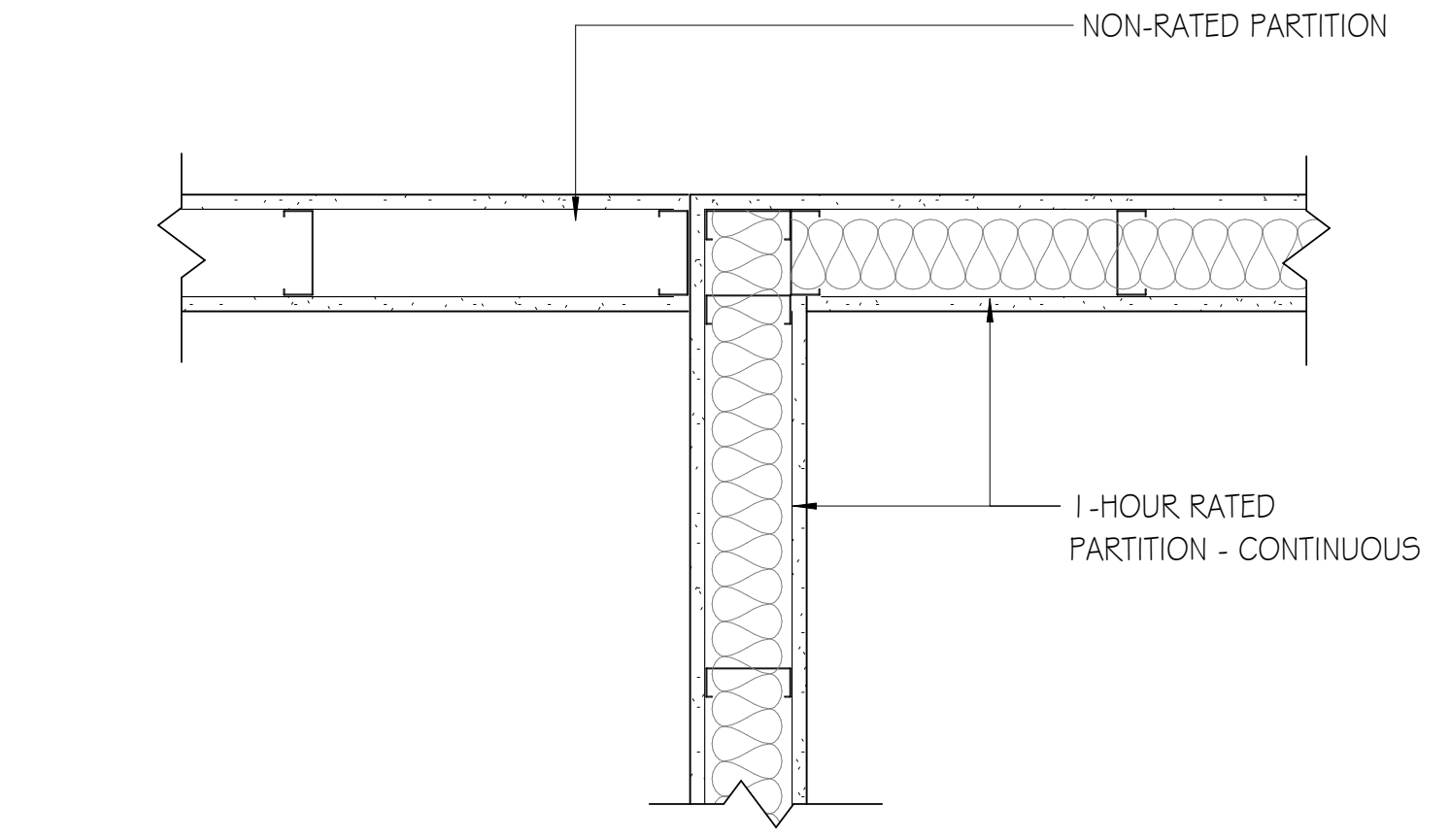
E7 SLIP TRACK DETAIL

SCALE: 1 1/2" = 1'-0"



E10 BLOCKING DETAIL

SCALE: 1 1/2" = 1'-0"



C7 PARTITION INTERSECTION 1

SCALE: 1 1/2" = 1'-0"

- NOTES:
1. DESIGN IS BASED ON A DIFFERENTIAL INTERNAL PRESSURE OF 5 POUNDS PER SQUARE FOOT, AND AN ALLOWABLE DEFLECTION OF L/240.
 2. THE STEEL STUD GAUGE IS BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PROPERTIES AND PROCEDURES FOR ENGINEERING INTERIOR NON-STRUCTURAL NON-COMPOSITE FRAMING.
 3. WHEN TYPICAL STUD SPANS EXCEED THOSE SHOWN, WHEN LOADING CONDITIONS ARE OTHER THAN STATED, OR FOR OPENING WIDTHS OR HEIGHTS EXCEEDING THOSE SHOWN, CONSULT STRUCTURAL ENGINEER.

WIDTH "W"	HEIGHT "H"							
	< 8'	8'-9'	9'-10'	10'-11'	11'-12'	12'-13'	13'-14'	14'-15'
< 4'	20	20	20	20	20	18	16	14
4'-6'	20	20	20	20	18	16	14	
6'-8'	20	20	20	18	16	14		
8'-10'	20	20	18	16	14			
10'-12'	18	18	16	14				

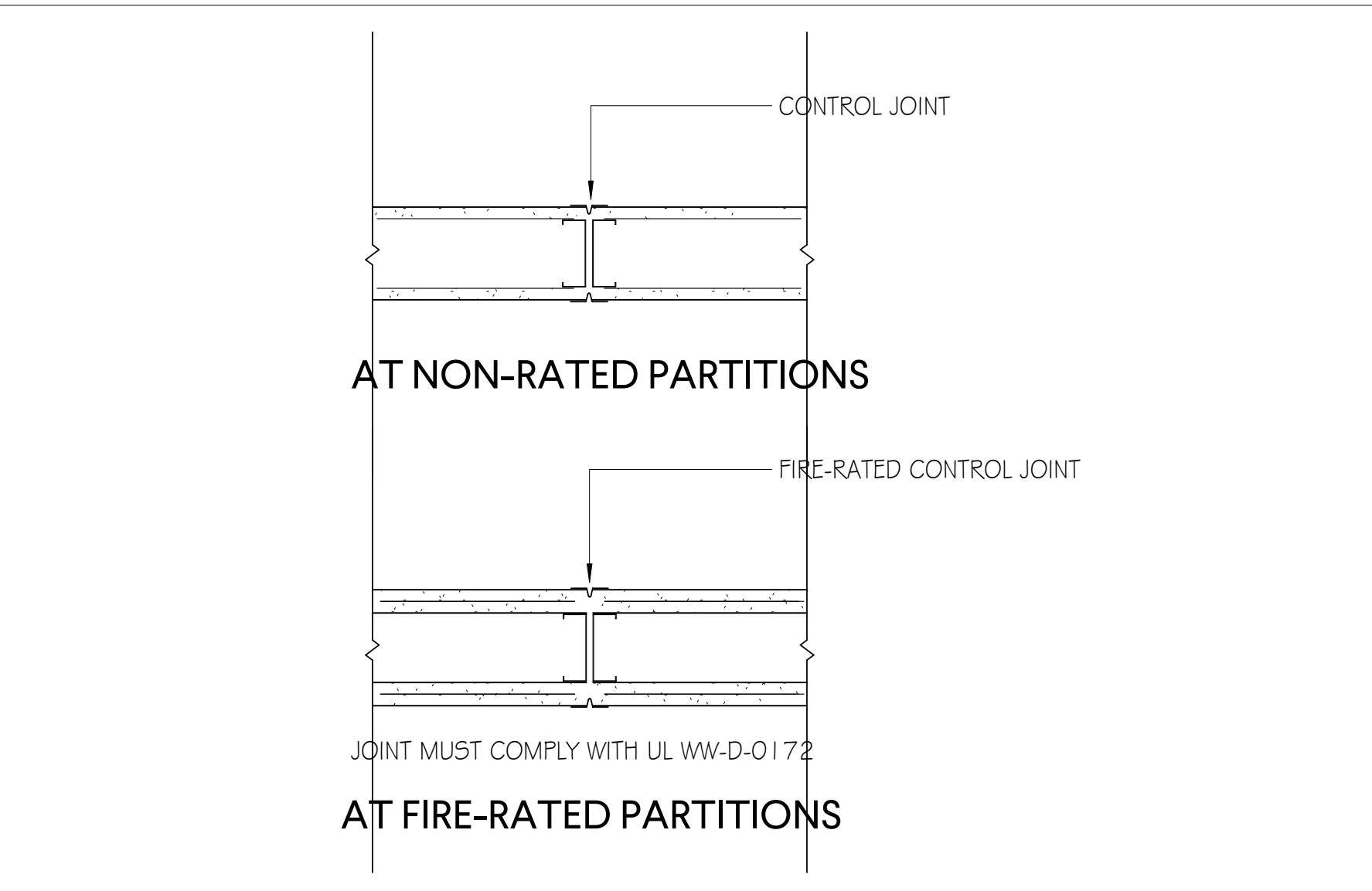
DRAWING MARK	DESCRIPTION	U.L. #	N/A	DRAWING MARK	DESCRIPTION	U.L. #	---
STC	47			STC	--		

GENERAL NOTES - PARTITIONS

4. SOUND INSULATION
 - A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE.
 - B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.
5. ACOUSTICAL SEALANT
 - A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS).
 - B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED AT ALL PENETRATIONS.
 - C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).
6. PARTITION COORDINATION WITH OTHER TRADES
 - A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G1.02, GENERAL NOTES.

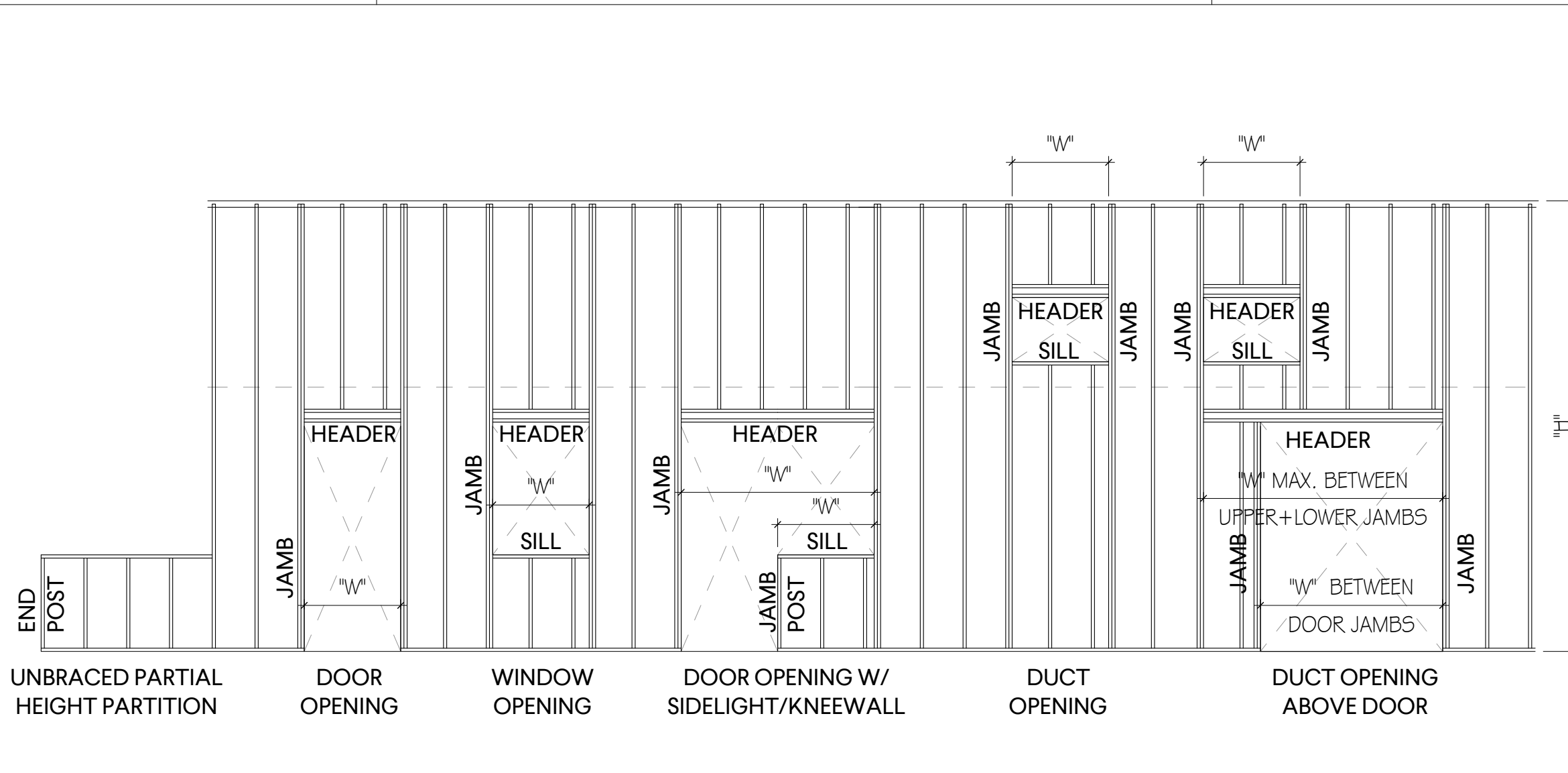
IMPORTANT NOTE

1. GENERAL NOTE REGARDING THE USE OF THIS DRAWING
 - A. THIS DRAWING ILLUSTRATES THE FULL ARRAY OF STANDARD PARTITION TYPES USED BY GMC AND IS INTENDED TO BE PUBLISHED IN ITS ENTIRETY FOR REFERENCE.HOWEVER, ...BE ADVISED THAT NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED IN EVERY PROJECT.
 - B. PARTITION TYPES USED IN THIS PROJECT ARE AS TAGGED AND/OR AS NOTED ON THE FLOOR PLANS.
 - C. DO NOT SPEND TIME SEARCHING FOR UNUSED PARTITION TYPES ON THE FLOOR PLANS AS YOU WILL NOT FIND THEM.



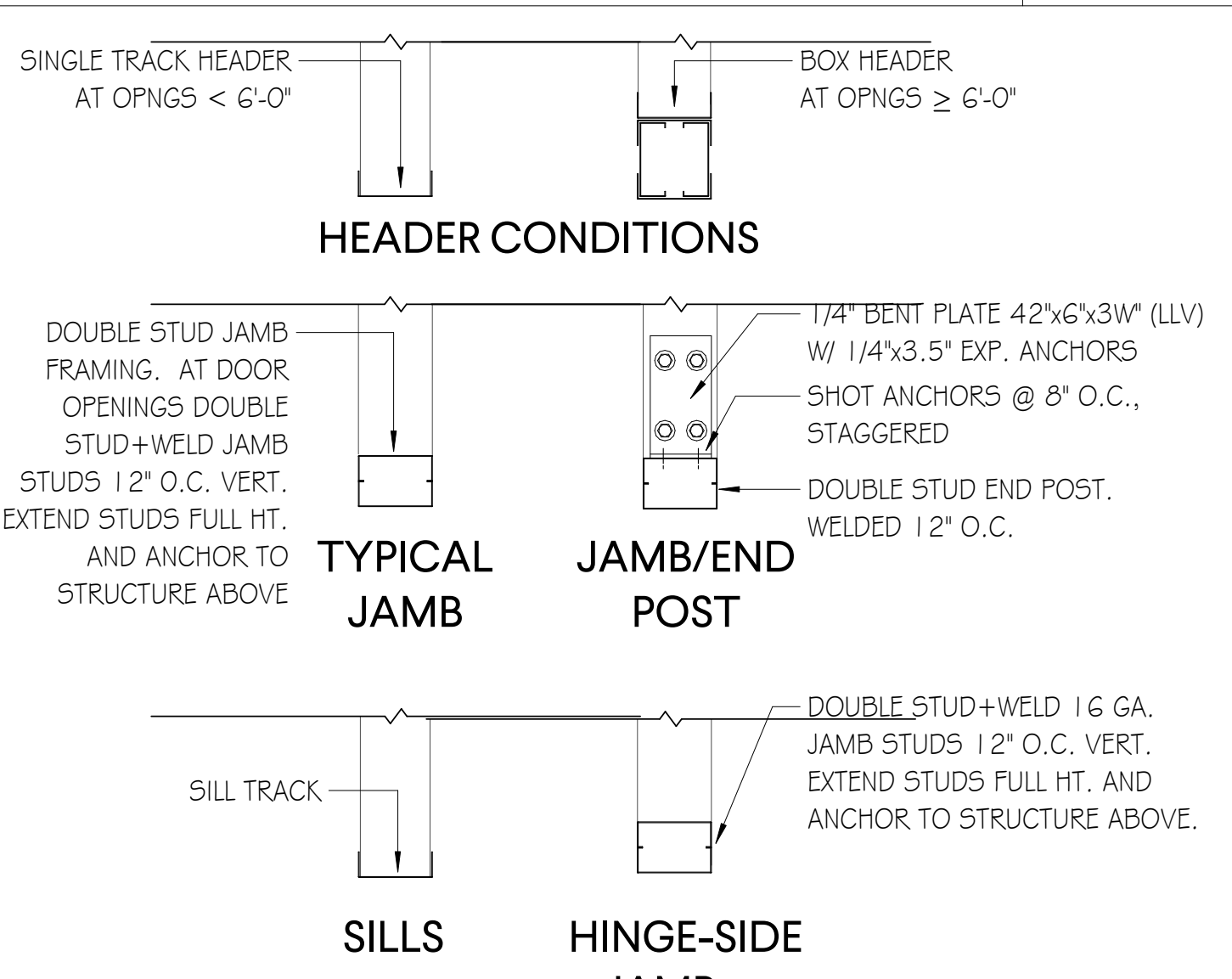
A1 CONTROL JOINT DETAILS

SCALE: 1 1/2" = 1'-0"



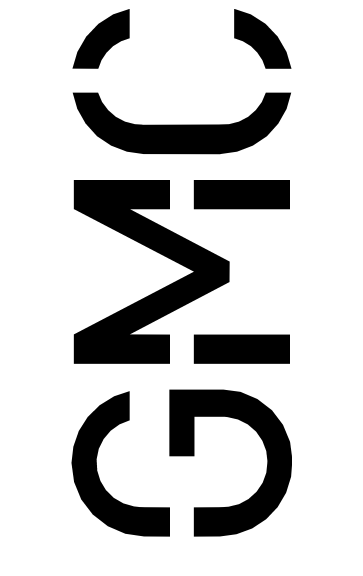
A4 STUD FRAMING DETAILS

SCALE: 1 1/2" = 1'-0"



C7 PARTITION INTERSECTION 1

SCALE: 1 1/2" = 1'-0"

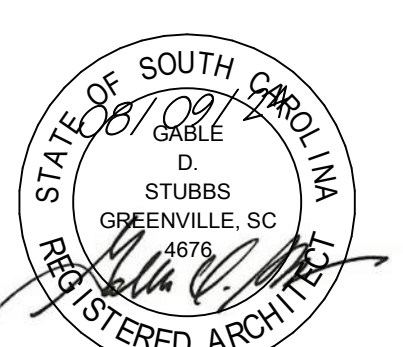


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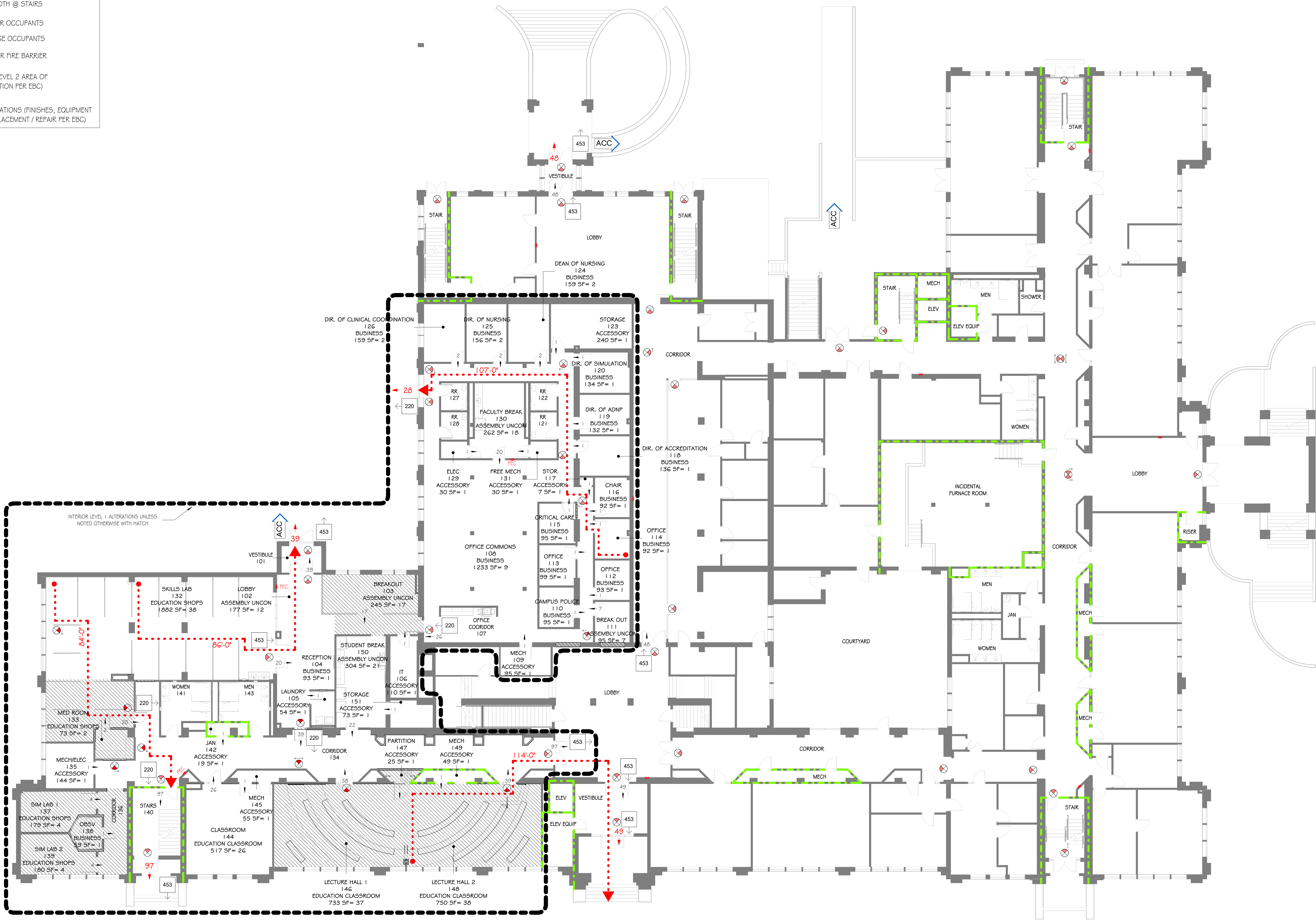


PARTITION DETAILS

G1.22

PLAN LEGEND

- EXISTING FIRE EXTINGUISHER
- NEW FIRE EXTINGUISHER
- EXISTING ILLUMINATED EXIT SIGN
- NEW ILLUMINATED EXIT SIGN
- ADA ACCESSIBLE ROUTE
- DISTANCE OF TRAVEL
- MAX OCCUPANTS SUPPORTED BY CLEAR EXIT WIDTH @ DOORS + CORRIDORS
- MAX OCCUPANTS SUPPORTED BY CLEAR EXIT WIDTH @ STAIRS
- INTERIOR DOOR OCCUPANTS
- EXIT DISCHARGE OCCUPANTS
- EXISTING 1 - HR FIRE BARRIER
- WORK AREA (LEVEL 2 AREA OF RECONFIGURATION PER EBC)
- LEVEL 1 ALTERATIONS (FINISHES, EQUIPMENT + FIXTURE REPLACEMENT / REPAIR PER EBC)



1 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"

LIFE SAFETY PLAN - LEVEL 1

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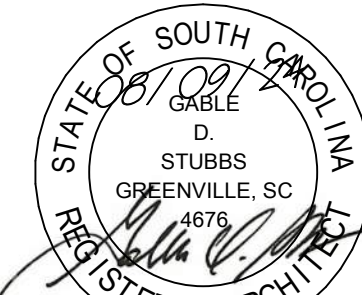
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G2.01

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A1 DEMOLITION PLAN - LEVEL 1

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



DEMOLITION PLAN LEGEND



GMC

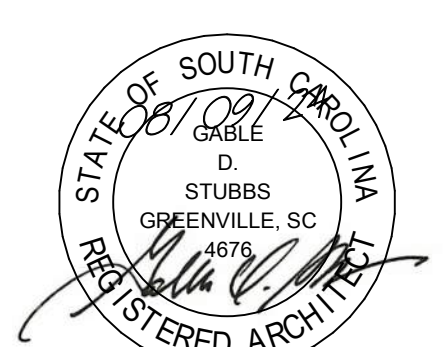
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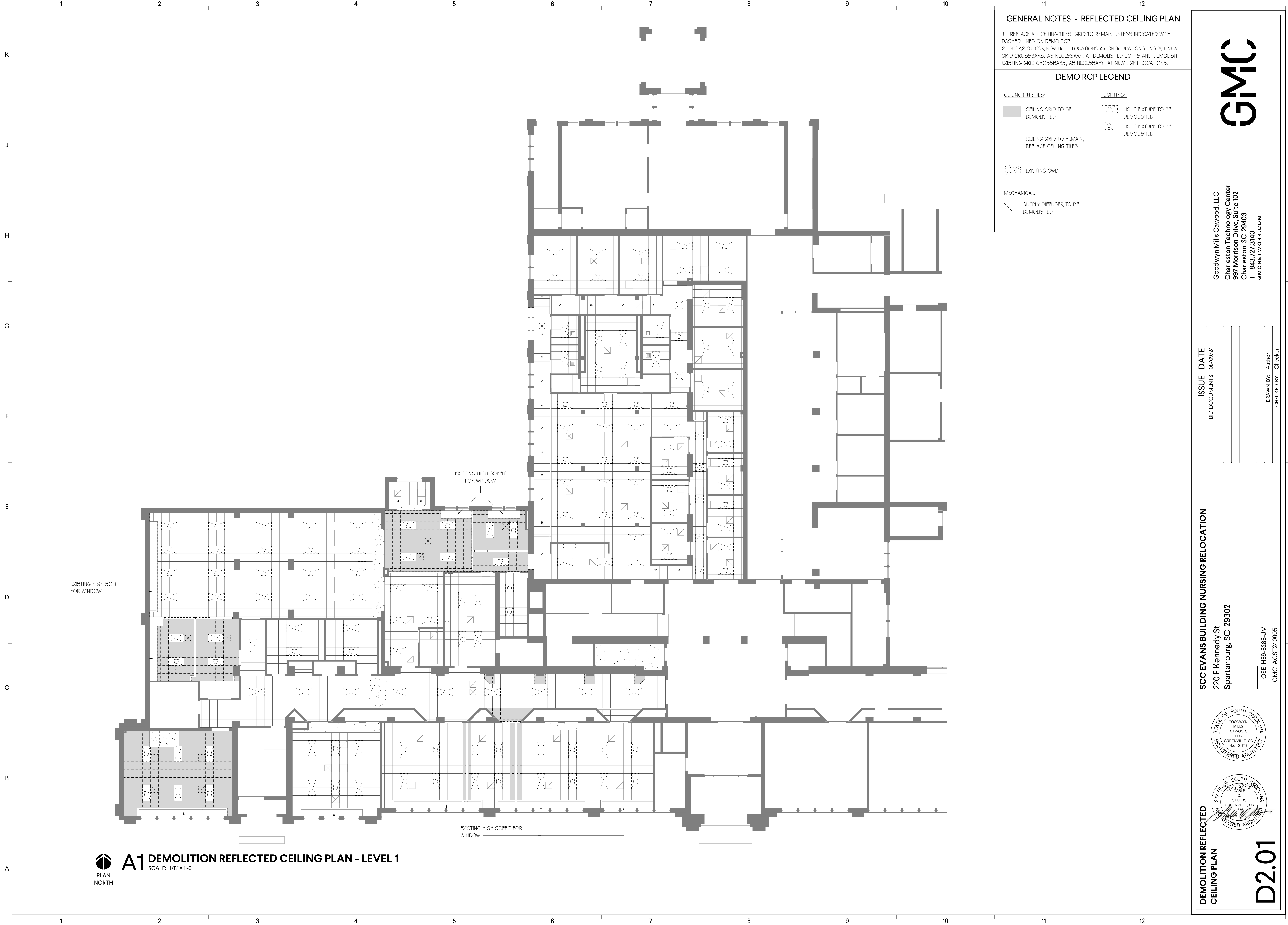
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DEMOLITION PLAN

D0.01

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GENERAL NOTES - REFLECTED CEILING PLAN

- 1. REPLACE ALL CEILING TILES. GRID TO REMAIN UNLESS INDICATED WITH DASHED LINES ON DEMO RCP.
- 2. SEE A2.01 FOR NEW LIGHT LOCATIONS & CONFIGURATIONS. INSTALL NEW GRID CROSSBARS, AS NECESSARY, AT DEMOLISHED LIGHTS AND DEMOLISH EXISTING GRID CROSSBARS, AS NECESSARY, AT NEW LIGHT LOCATIONS.

DEMO RCP LEGEND

CEILING FINISHES:	LIGHTING:
CEILING GRID TO BE DEMOLISHED	LIGHT FIXTURE TO BE DEMOLISHED
CEILING GRID TO REMAIN, REPLACE CEILING TILES	LIGHT FIXTURE TO BE DEMOLISHED
EXISTING GWS	
MECHANICAL:	
SUPPLY DIFFUSER TO BE DEMOLISHED	

A1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

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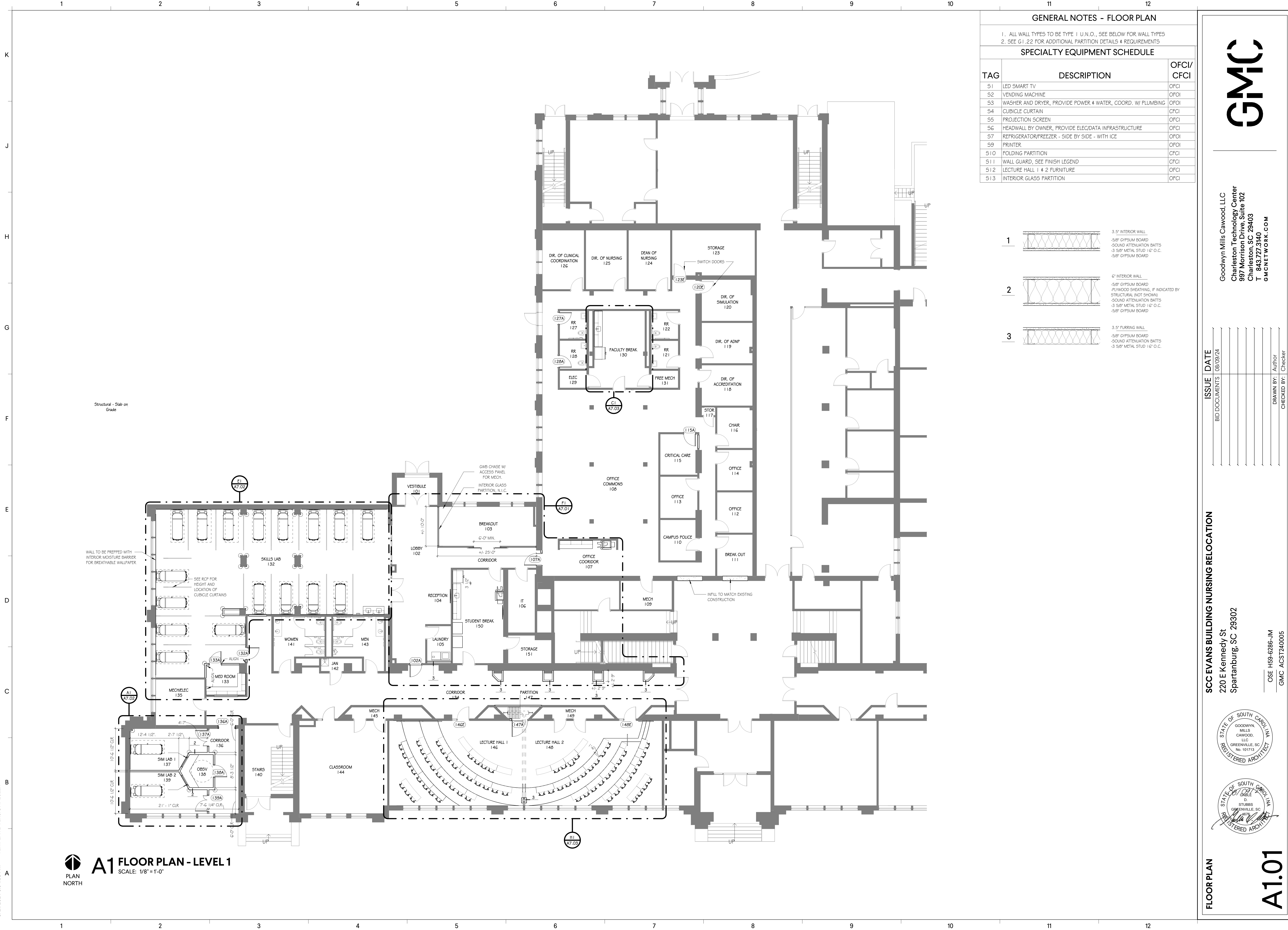
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DEMOLITION REFLECTED CEILING PLAN

D2.01

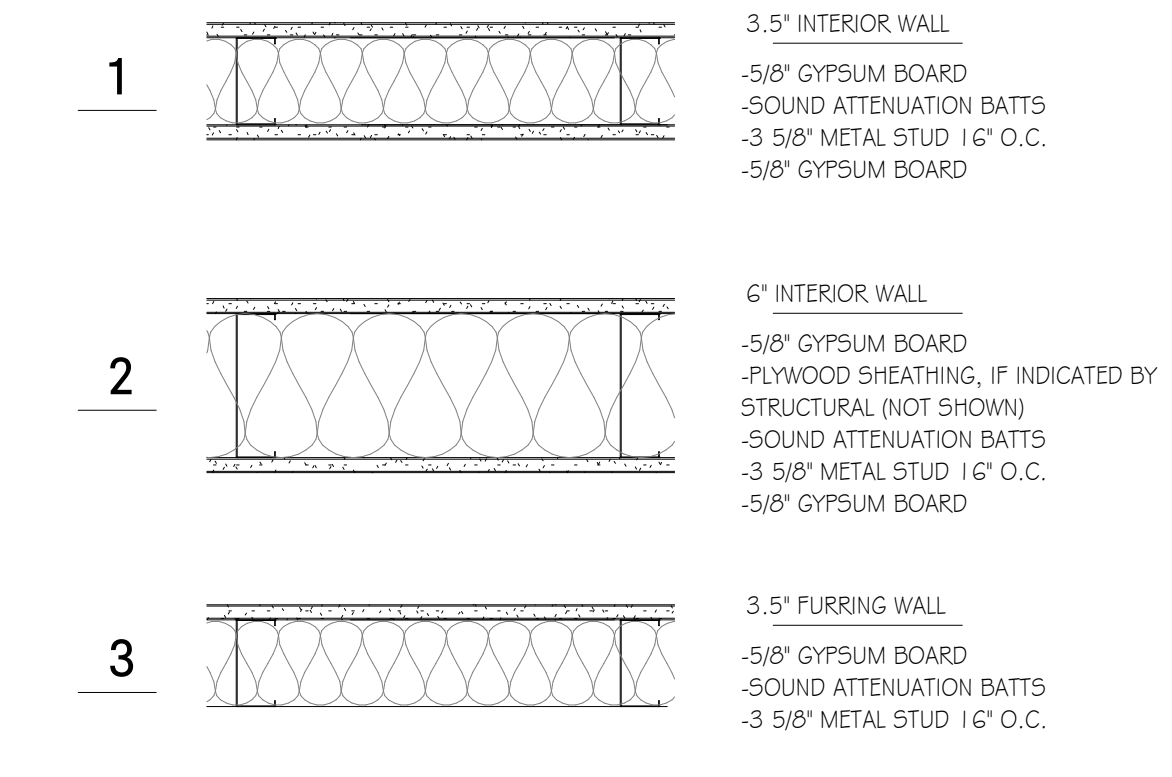


GENERAL NOTES - FLOOR PLAN

- 1. ALL WALL TYPES TO BE TYPE 1 U.N.O., SEE BELOW FOR WALL TYPES
- 2. SEE G.1.22 FOR ADDITIONAL PARTITION DETAILS & REQUIREMENTS

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI
S1	LED SMART TV	OFCI
S2	VENDING MACHINE	OFCI
S3	WASHER AND DRYER, PROVIDE POWER & WATER, COORD. W/ PLUMBING	OFCI
S4	CUBICLE CURTAIN	CFCI
S5	PROJECTION SCREEN	OFCI
S6	HEADWALL BY OWNER, PROVIDE ELEGDATA INFRASTRUCTURE	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE - WITH ICE	OFCI
S8	PRINTER	OFCI
S10	FOLDING PARTITION	CFCI
S11	WALL GUARD, SEE FINISH LEGEND	CFCI
S12	LECTURE HALL 1 & 2 FURNITURE	OFCI
S13	INTERIOR GLASS PARTITION	OFCI



Structural - Slab on Grade

WALL TO BE PREPPED WITH INTERIOR MOISTURE BARRIER FOR BREATHABLE WALLPAPER

A1 FLOOR PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

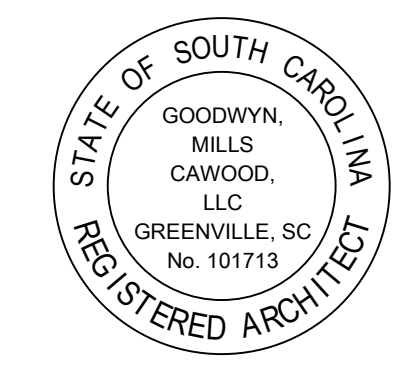


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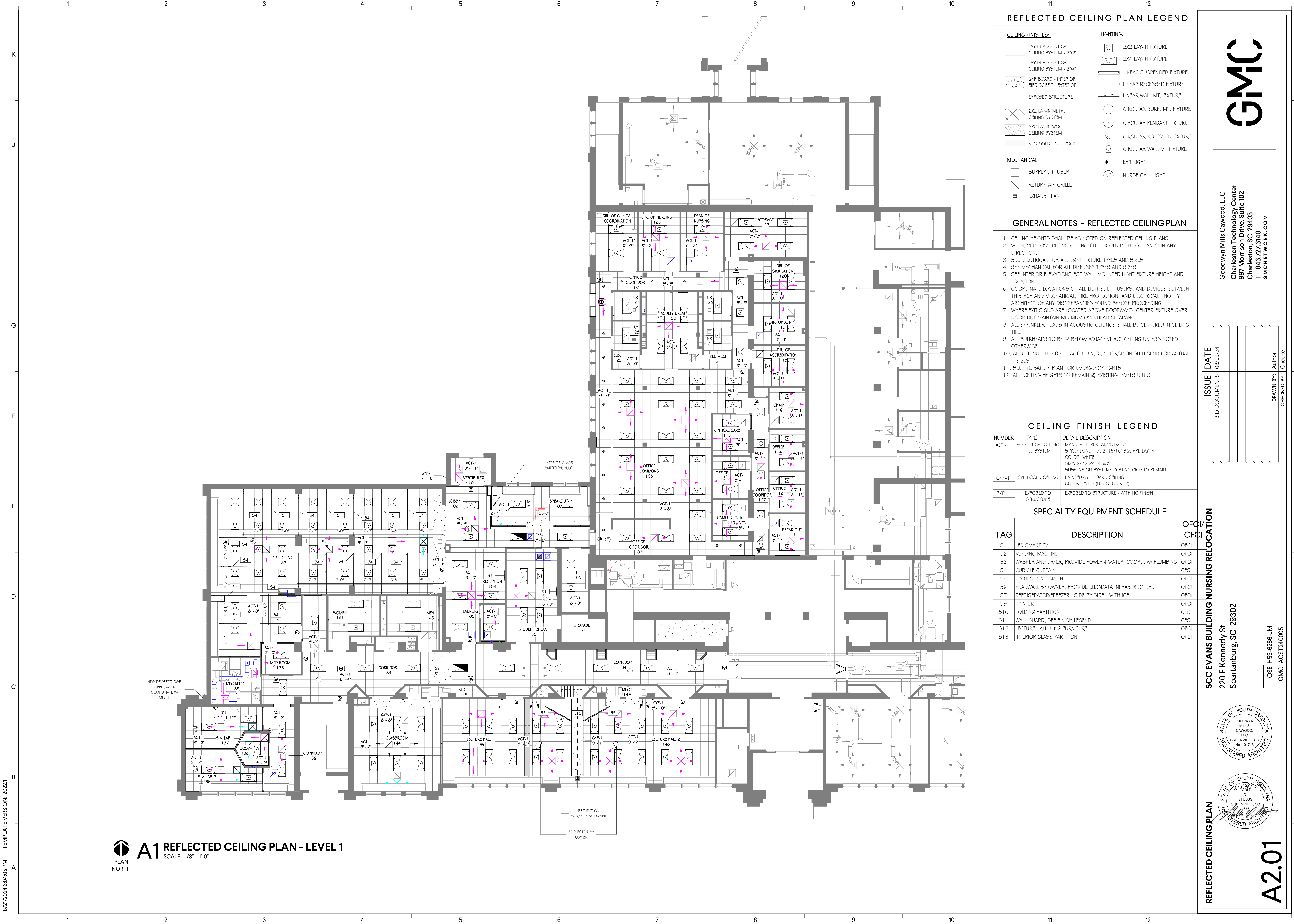
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FLOOR PLAN

A1.01

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A1 REFLECTED CEILING PLAN - LEVEL 1
SCALE: 1/8"=1'-0"
PLAN NORTH

REFLECTED CEILING PLAN LEGEND

- CEILING FINISHES:**
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2X2'
 - LAY-IN ACOUSTICAL CEILING SYSTEM - 2X4'
 - GYP BOARD - INTERIOR
 - EIFS SOFFIT - EXTERIOR
 - EXPOSED STRUCTURE
 - 2X2 LAY-IN METAL CEILING SYSTEM
 - 2X2 LAY-IN WOOD CEILING SYSTEM
 - RECESSED LIGHT POCKET
- MECHANICAL:**
- SUPPLY DIFFUSER
 - RETURN AIR GRILLE
 - EXHAUST FAN
- LIGHTING:**
- 2X2 LAY-IN FIXTURE
 - 2X4 LAY-IN FIXTURE
 - LINEAR SUSPENDED FIXTURE
 - LINEAR RECESSED FIXTURE
 - LINEAR WALL MT. FIXTURE
 - CIRCULAR SURF. MT. FIXTURE
 - CIRCULAR PENDANT FIXTURE
 - CIRCULAR RECESSED FIXTURE
 - CIRCULAR WALL MT. FIXTURE
 - EXIT LIGHT
 - NURSE CALL LIGHT

GENERAL NOTES - REFLECTED CEILING PLAN

- CEILING HEIGHTS SHALL BE AS NOTED ON REFLECTED CEILING PLANS.
- WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
- SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
- SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
- SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
- COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP AND MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
- ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.
- ALL BULKHEADS TO BE 4' BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE.
- ALL CEILING TILES TO BE ACT-1 U.N.O., SEE RCP FINISH LEGEND FOR ACTUAL SIZES
- SEE LIFE SAFETY PLAN FOR EMERGENCY LIGHTS
- ALL CEILING HEIGHTS TO REMAIN @ EXISTING LEVELS U.N.O.

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: DUNE (1772) 15/16" SQUARE LAY IN COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: EXISTING GRID TO REMAIN
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-2 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCY/CFCY
S1	LED SMART TV	OFCY
S2	VENDING MACHINE	OFCY
S3	WASHER AND DRYER, PROVIDE POWER & WATER, COORD. W/ PLUMBING	OFCY
S4	CUBICLE CURTAIN	OFCY
S5	PROJECTION SCREEN	OFCY
S6	HEADWALL BY OWNER, PROVIDE ELEC/DATA INFRASTRUCTURE	OFCY
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE - WITH ICE	OFCY
S9	PRINTER	OFCY
S10	FOLDING PARTITION	OFCY
S11	WALL GUARD, SEE FINISH LEGEND	OFCY
S12	LECTURE HALL 1 & 2 FURNITURE	OFCY
S13	INTERIOR GLASS PARTITION	OFCY

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STATE OF SOUTH CAROLINA
GOODWYN MILLS CAWOOD, LLC
GREENVILLE, SC
No. 101713
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
D. STUBBS
GREENVILLE, SC
No. 1674
REGISTERED ARCHITECT

REFLECTED CEILING PLAN

A2.01

8/12/2024 9:49:47 AM TEMPLATE VERSION: 2022.1

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



ROOF PLAN

A3.01

STATE OF SOUTH CAROLINA
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 CAWOOD, LLC
 GREENVILLE, SC
 No. 101713
 REGISTERED ARCHITECT

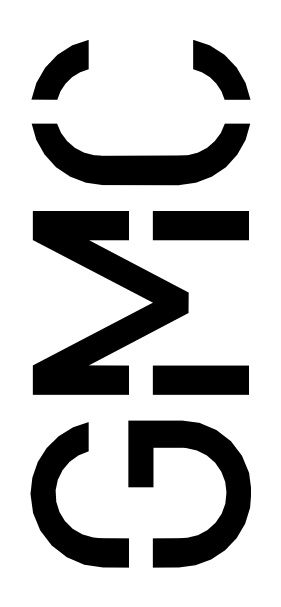
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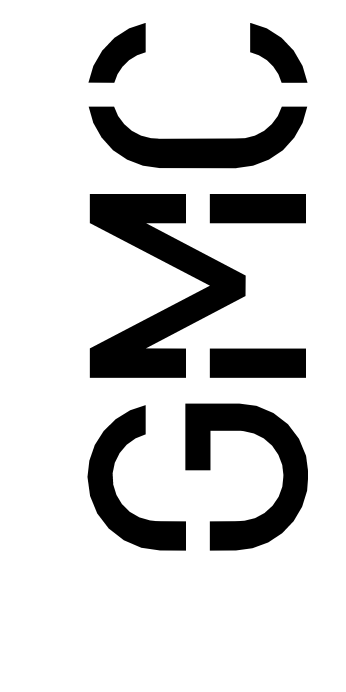


DOOR SCHEDULE

DOOR GENERAL NOTES

DOOR NUMBER	ROOM NAME	SIZE			DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME		GLASS TYPE	HARDWARE				REMARKS
		WIDTH	HT	THK				FRAME TYPE	MAT'L		HARDWARE SET NO.	ELEC. COORD.			
												HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	
120E		3'-0"	7'-0"	1 3/4"	F	WD		FI	HM					SWAP DOORS & HARDWARE 120E & 123E	
123E		3'-0"	7'-0"	1 3/4"					HM					SWAP DOORS & HARDWARE 120E & 123E	
148E		3'-0"	7'-0"	1 3/4"					HM	G1	1			EXISTING DOOR WITH NEW HARDWARE	
148E		3'-0"	7'-0"	1 3/4"					HM	G1	1			EXISTING DOOR WITH NEW HARDWARE	
102A	CORRIDOR	3'-0"	7'-0"	1 3/4"	N3	WD		FI	HM						
107A	CORRIDOR	3'-0"	7'-0"	1 3/4"	N3	WD		FI	HM						
115A	CRITICAL CARE	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM						
127A	RR	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM						
128A	RR	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM					REUSE EXISTING HARDWARE ON NEW DOOR	
132A	CORRIDOR	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM					REUSE EXISTING HARDWARE ON NEW DOOR	
133A	SKILLS LAB	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM						
136A	CORRIDOR	4'-0"	7'-0"	0"				FI	HM					HM CASED OPENING @ DEMOLISHED DOOR LOCATION, GC TO FIELD VERIFY EXISTING CONDITIONS	
137A	SIM LAB 1	4'-0"	7'-0"	1 3/4"	F	WD		FI	HM					UNEVEN PAIR, (1) 3'-0" DOOR + (1) 1'-0" DOOR	
138A	OBSV	3'-0"	7'-0"	1 3/4"	F	WD		FI	HM						
139A	SIM LAB 2	4'-0"	7'-0"	1 3/4"	F	WD		FI	HM					UNEVEN PAIR, (1) 3'-0" DOOR + (1) 1'-0" DOOR	
147A	PARTITION	4'-0"	9'-0"	1 3/4"	F	WD		FI	HM					GC TO VERIFY PARTITION SIZE PRIOR TO ORDERING DOOR	

- 1) GENERAL:**
 A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
 B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS - SEE SPECIFICATIONS)
- 2) MATERIAL AND FINISHES:**
 A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:
 HM HOLLOW METAL
 ST STEEL
 ST/S STEEL / STAINLESS OR STAINLESS CLAD
 WD SOLID CORE WOOD
 WD/PL WOOD / PLASTIC LAMINATE FACED
 WD/IR WOOD / IMPACT-RESISTANT VINYL-FACED
 AL ALUMINUM
 GL GLAZING GLASS
 PREFIN PREFINISHED (OR FACTORY FINISHED)
 PNT PAINTED
 STN STAINED
- 3) GLASS:**
 A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 06 8000 "GLAZING" & 13 4900 "RADIATION PROTECTION"):
 MONOLITHIC: G1 G Clear CLEAR, TEMPERED
- 5) DOOR HARDWARE:**
 A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".



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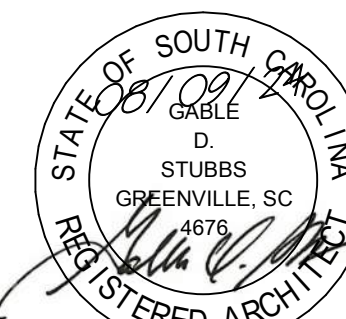
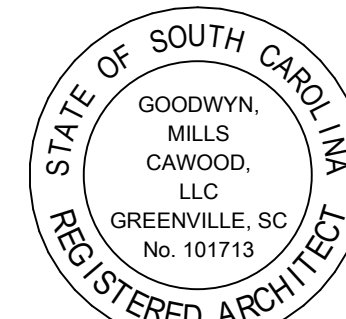
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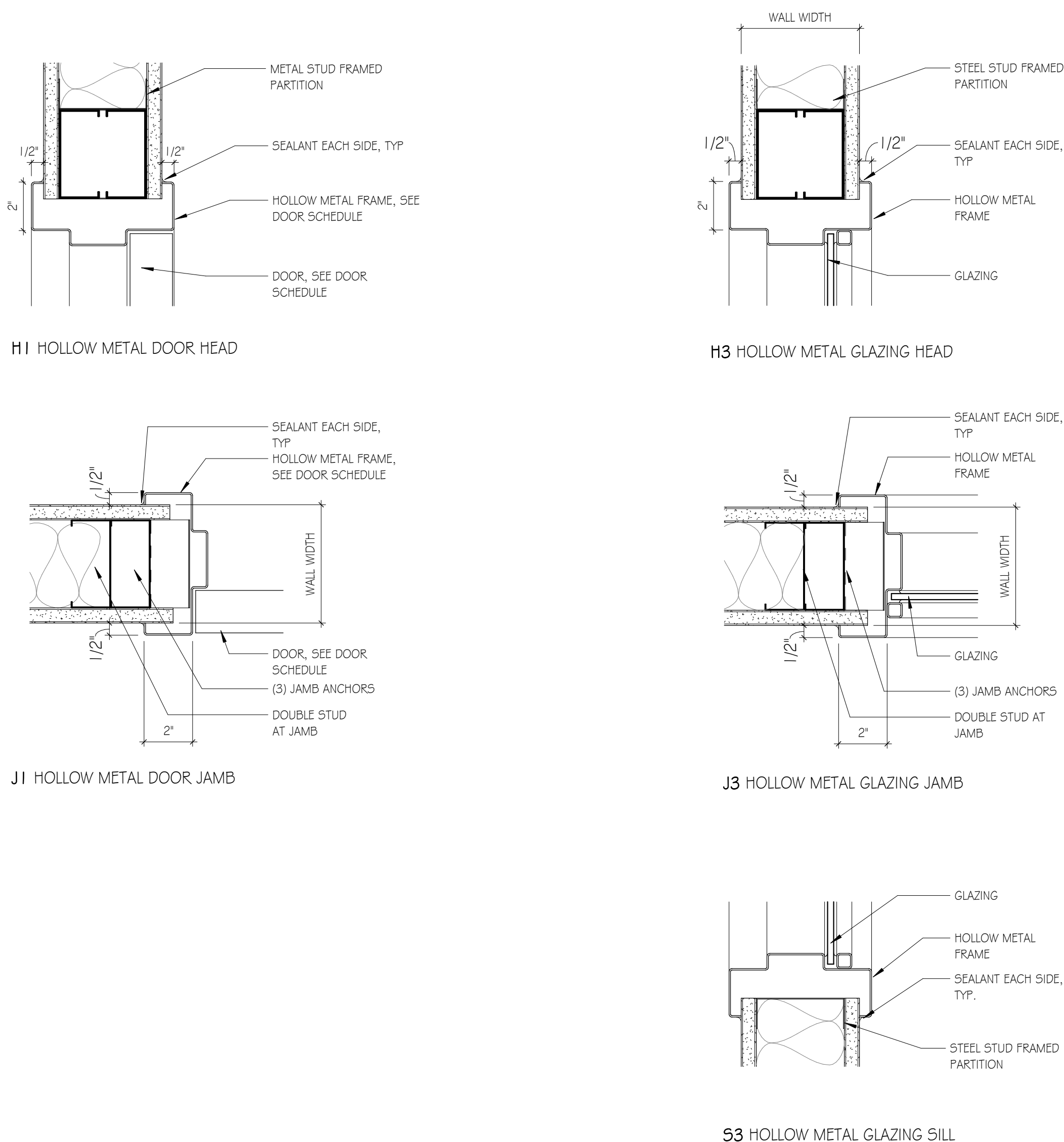
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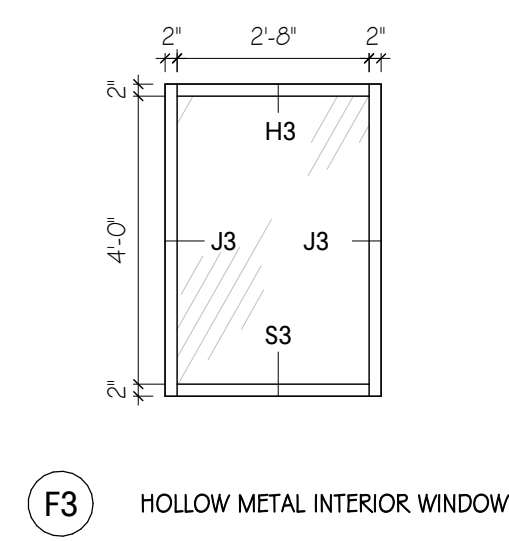
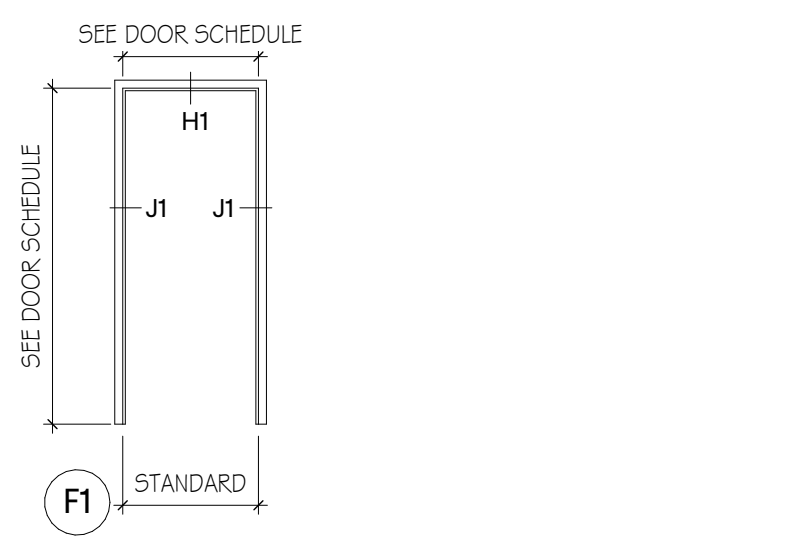
**DOOR SCHEDULE,
 LEGEND, & NOTES**

A6.01

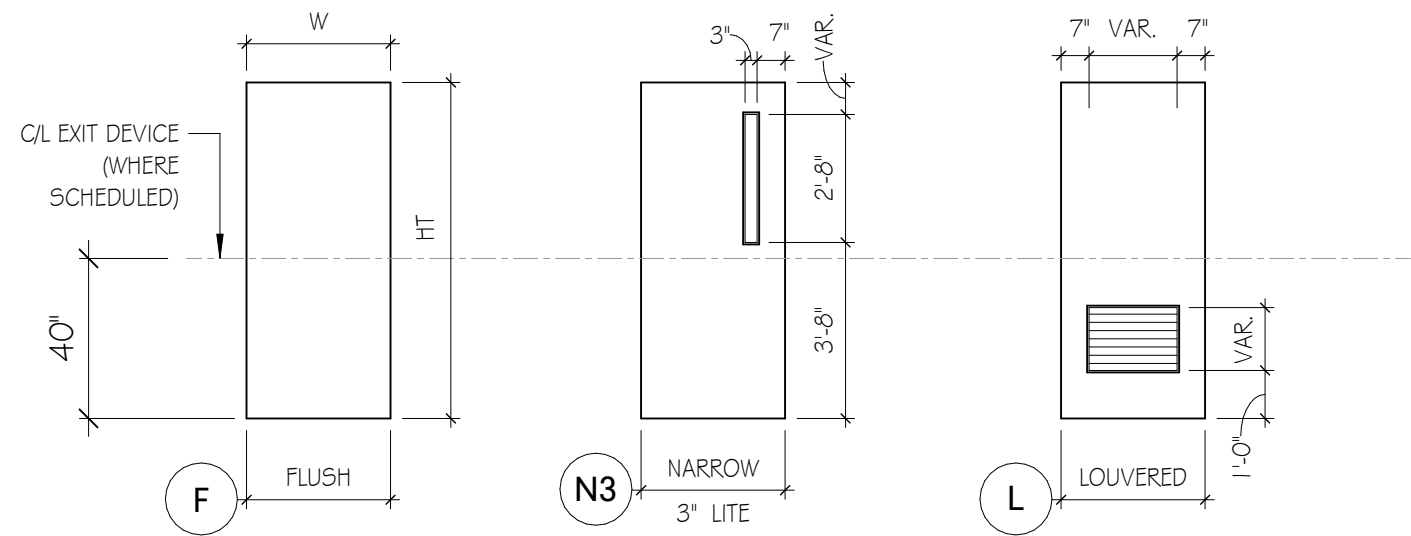


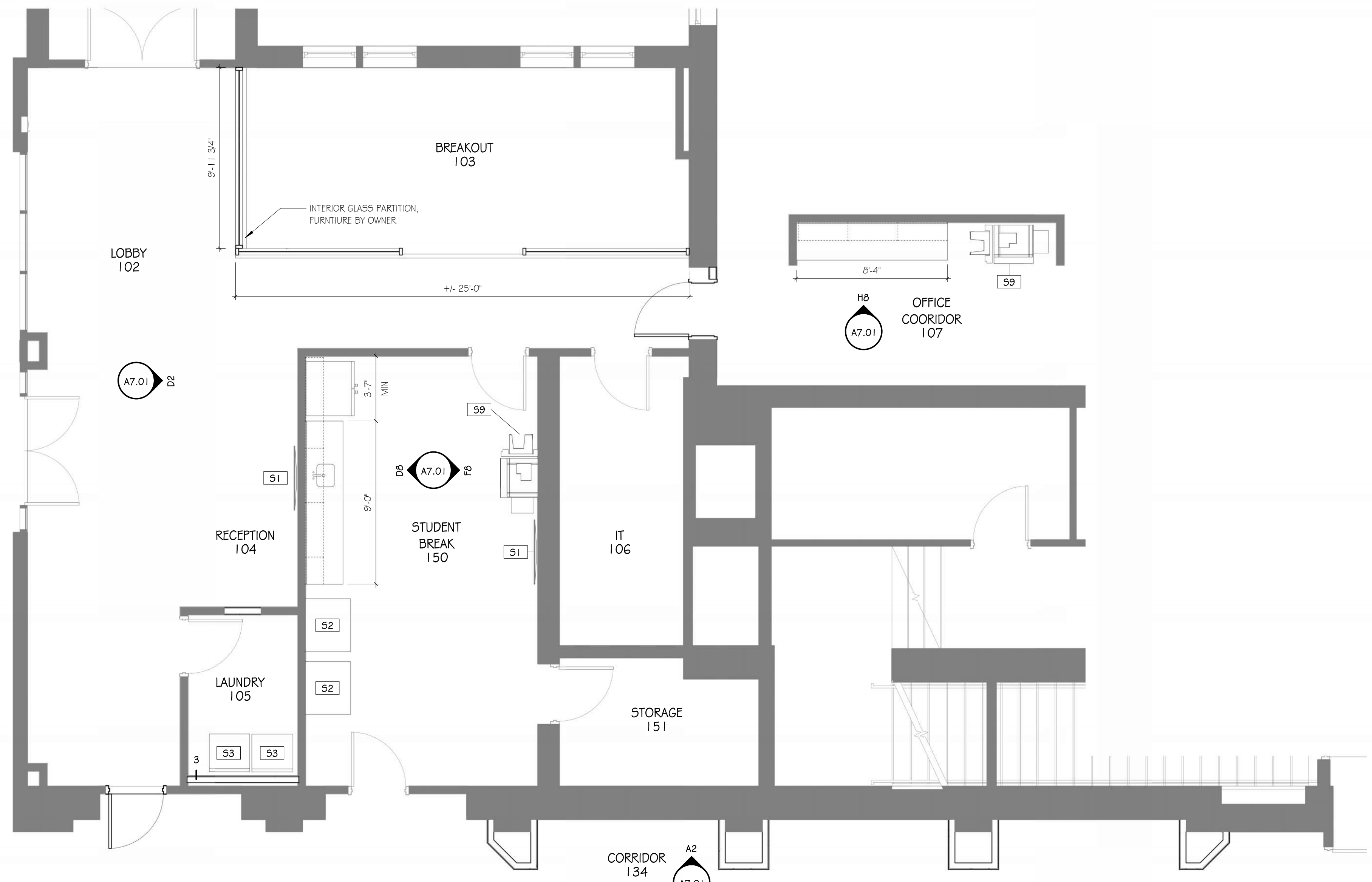
HM FRAME TYPES

WINDOW TYPES

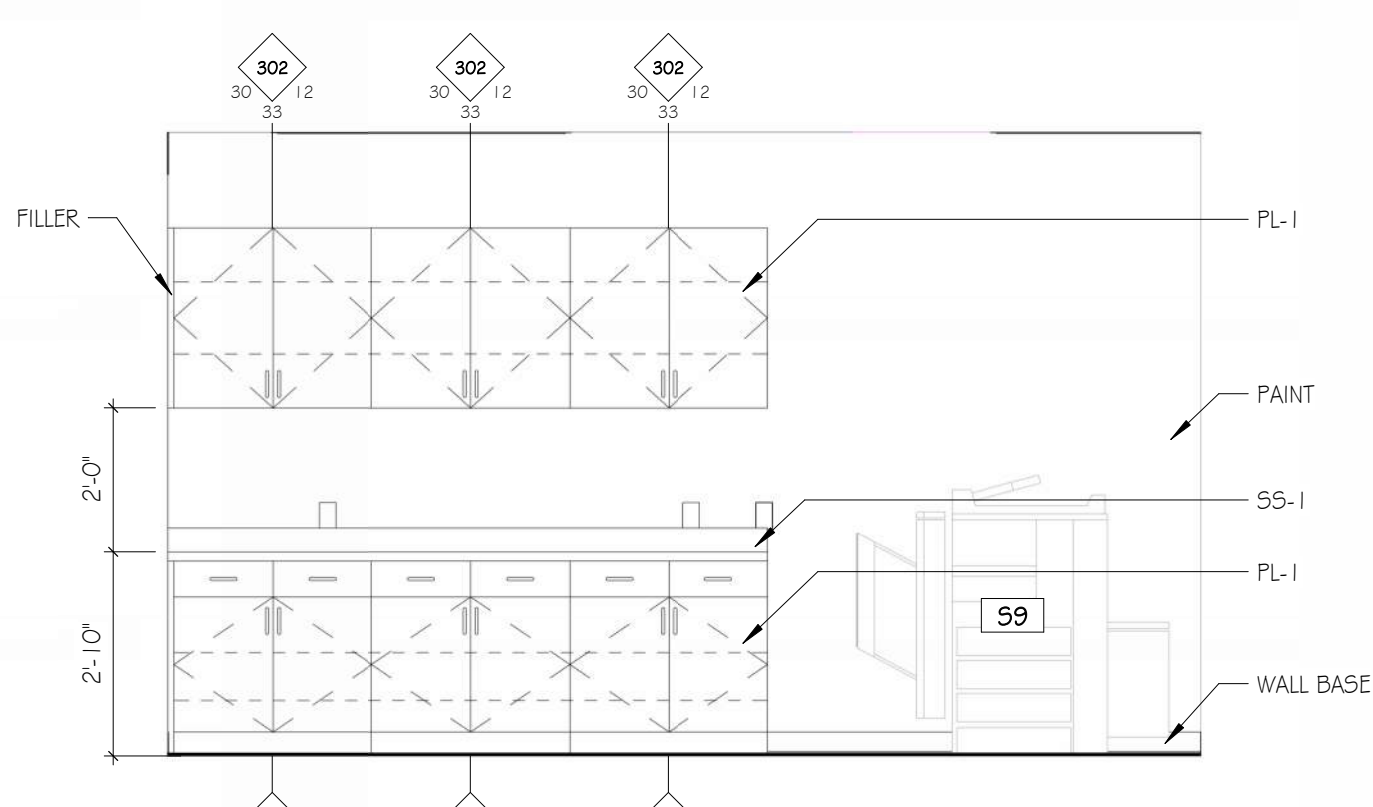


DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS

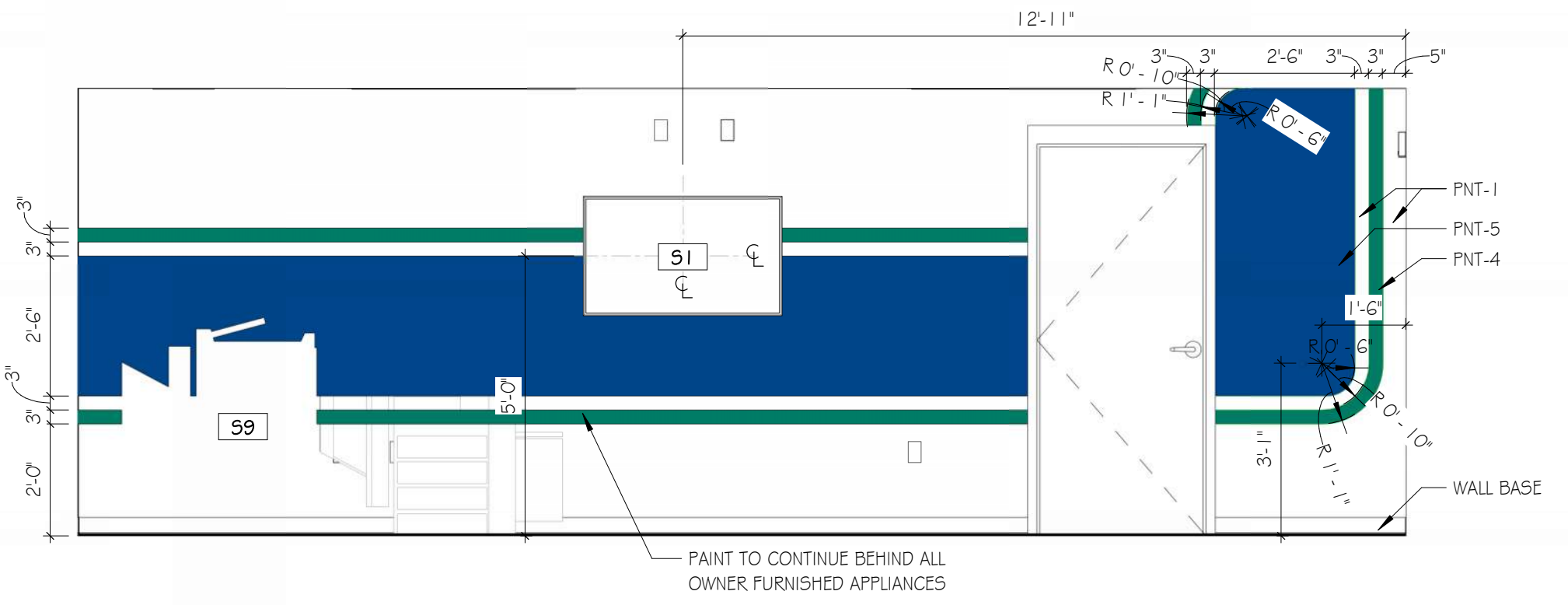




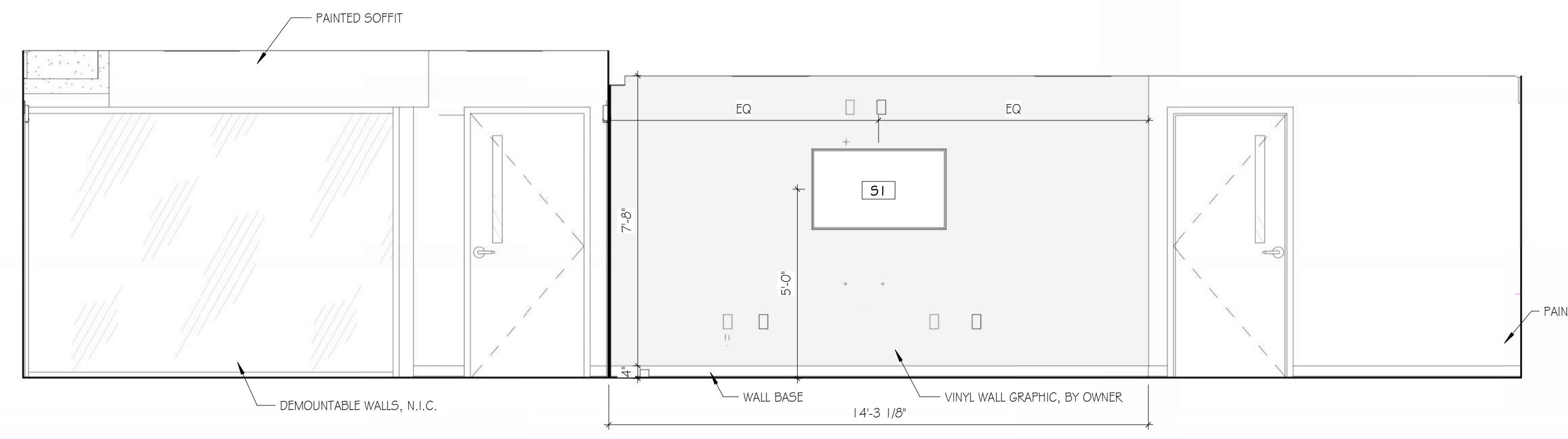
F1 ENLARGED PLAN - LOBBY
SCALE: 1/4" = 1'-0"



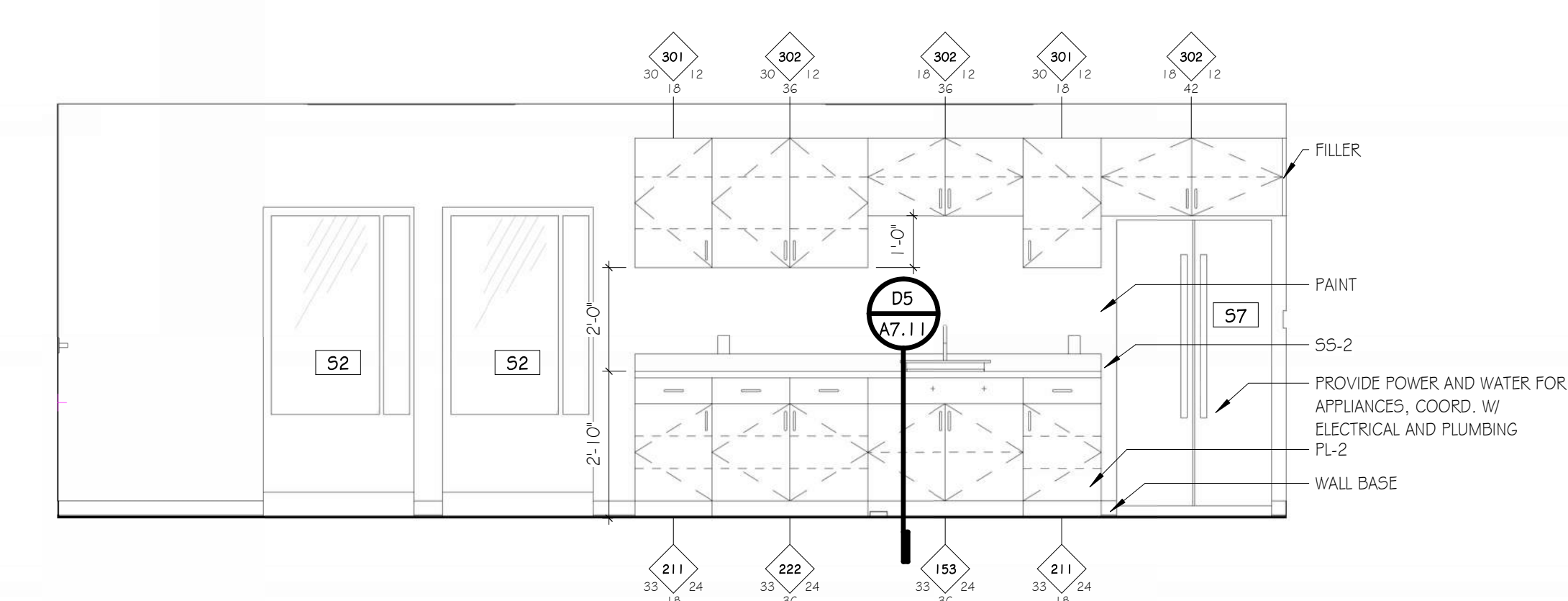
H8 OFFICE CORRIDOR
SCALE: 3/8" = 1'-0"



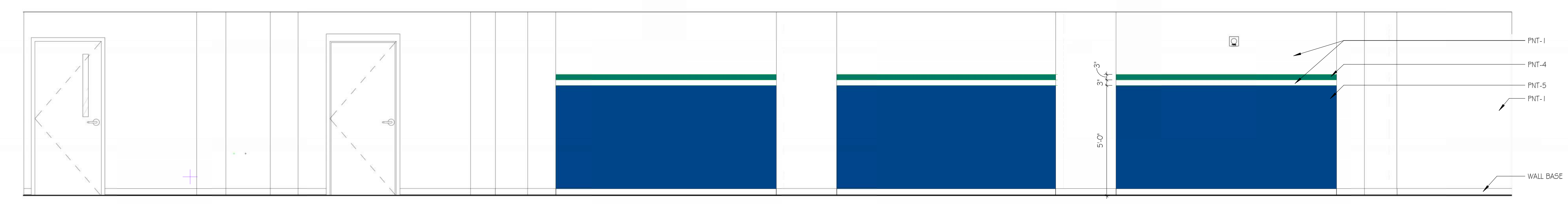
F8 STUDENT BREAK - b
SCALE: 3/8" = 1'-0"



D2 LOBBY 102
SCALE: 3/8" = 1'-0"



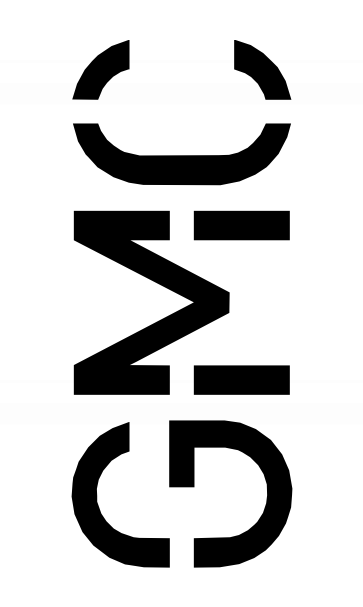
D8 STUDENT BREAK - a
SCALE: 3/8" = 1'-0"



A2 CORRIDOR 134
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	OFCI/CFCI
S1	LED SMART TV	OFCI
S2	VENDING MACHINE	OFCI
S3	WASHER AND DRYER, PROVIDE POWER & WATER, COORD. W/ PLUMBING	OFCI
S4	CUBICLE CURTAIN	OFCI
S5	PROJECTION SCREEN	OFCI
S6	HEADWALL BY OWNER, PROVIDE ELEC/DATA INFRASTRUCTURE	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE - WITH ICE	OFCI
S9	PRINTER	OFCI
S10	FOLDING PARTITION	OFCI
S11	WALL GUARD, SEE FINISH LEGEND	OFCI
S12	LECTURE HALL 1 & 2 FURNITURE	OFCI
S13	INTERIOR GLASS PARTITION	OFCI

CASEWORK SCHEDULE		
NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AIA STANDARDS EDITION 2		
CDS #	CASEWORK TYPE	DESCRIPTION
153	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
211	BASE CAB	SGL DOOR / SGL DRWR
222	BASE CAB	DBL DOORS / DBL DRWR
230	BASE CAB	3 FILES
301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS
309	WALL CAB	BLIND CORNER - SGL DOOR
ADA	BASE CAB	ADA SINK

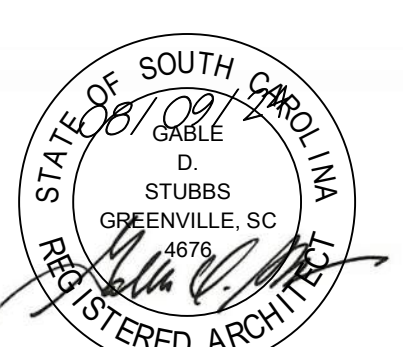


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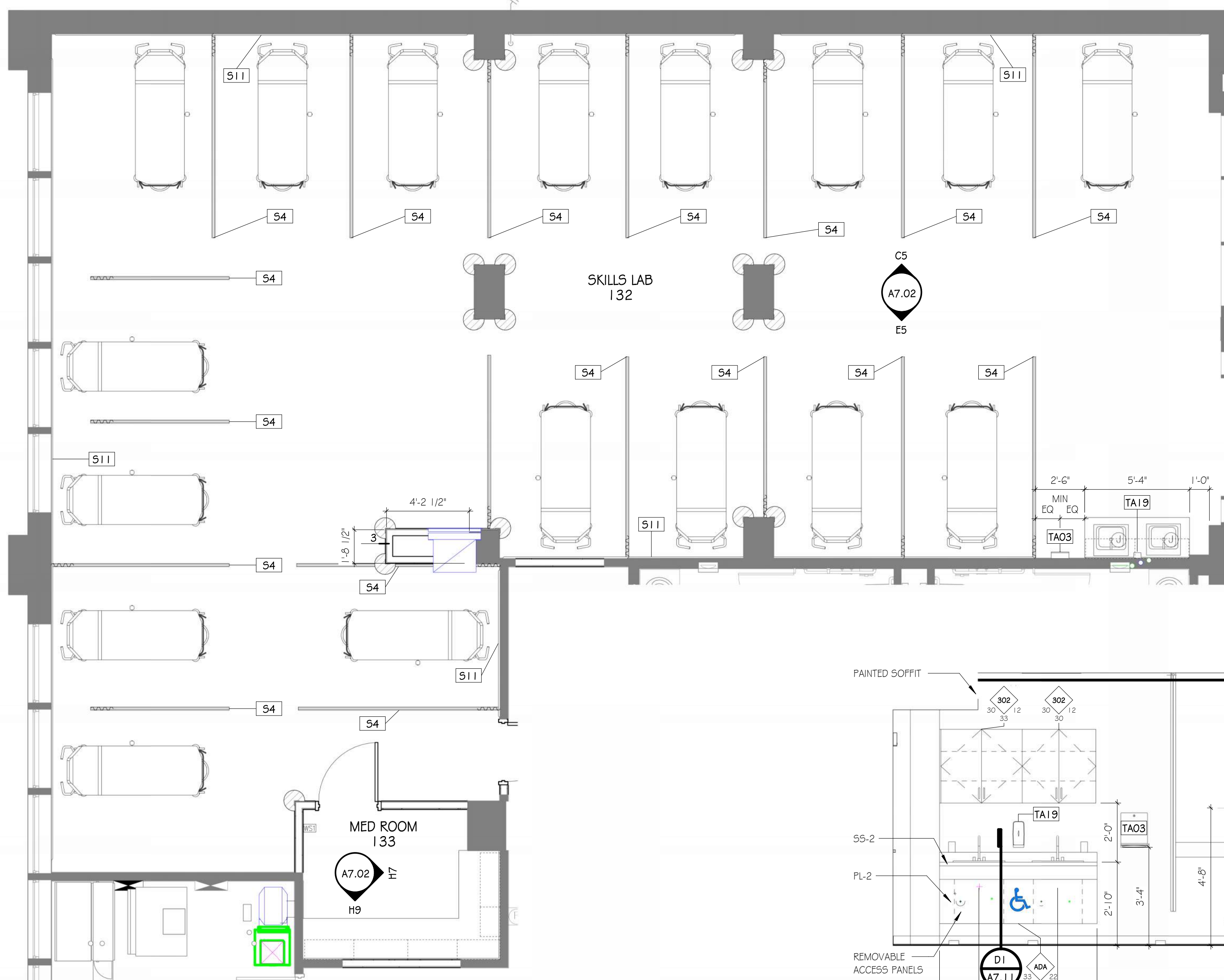


INTERIOR ELEVATIONS

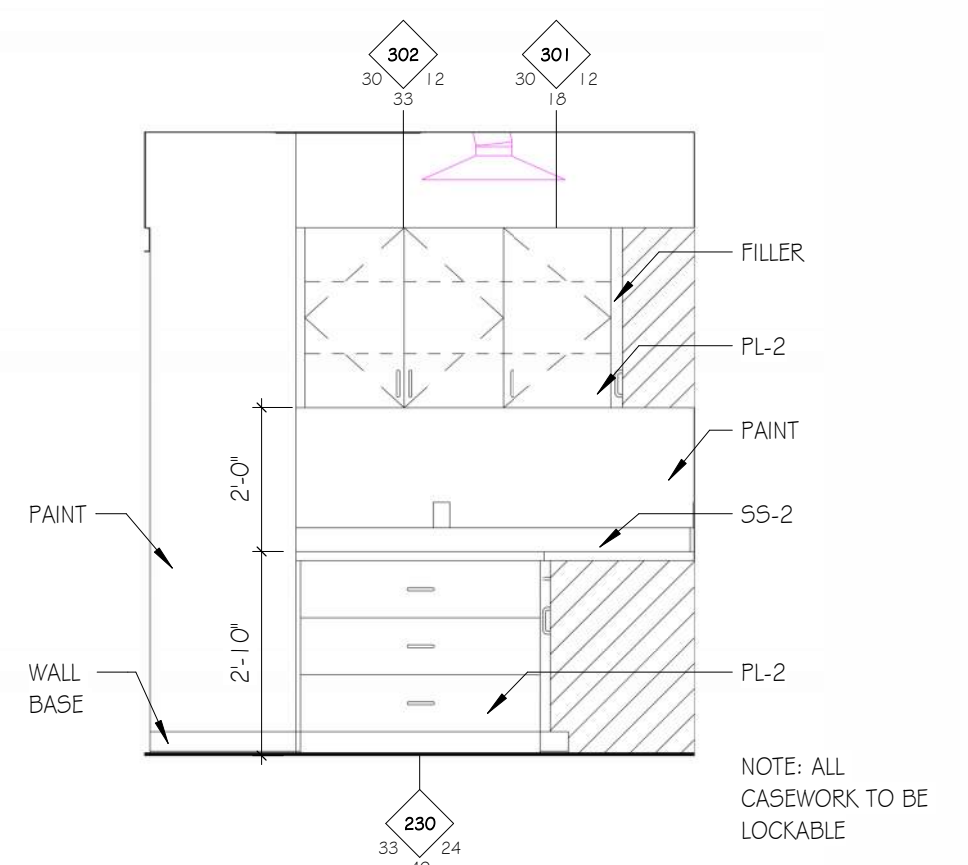
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SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	OFCI/ CFCI
S1	LED SMART TV	OFCI
S2	VENDING MACHINE	OFOI
S3	WASHER AND DRYER, PROVIDE POWER & WATER, COORD. W/ PLUMBING	OFOI
S4	CUBICLE CURTAIN	OFCI
S5	PROJECTION SCREEN	OFCI
S6	HEADWALL BY OWNER, PROVIDE ELEC/DATA INFRASTRUCTURE	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE - WITH ICE	OFOI
S9	PRINTER	OFOI
S10	FOLDING PARTITION	OFCI
S11	WALL GUARD, SEE FINISH LEGEND	OFCI
S12	LECTURE HALL 1 & 2 FURNITURE	OFCI
S13	INTERIOR GLASS PARTITION	OFCI

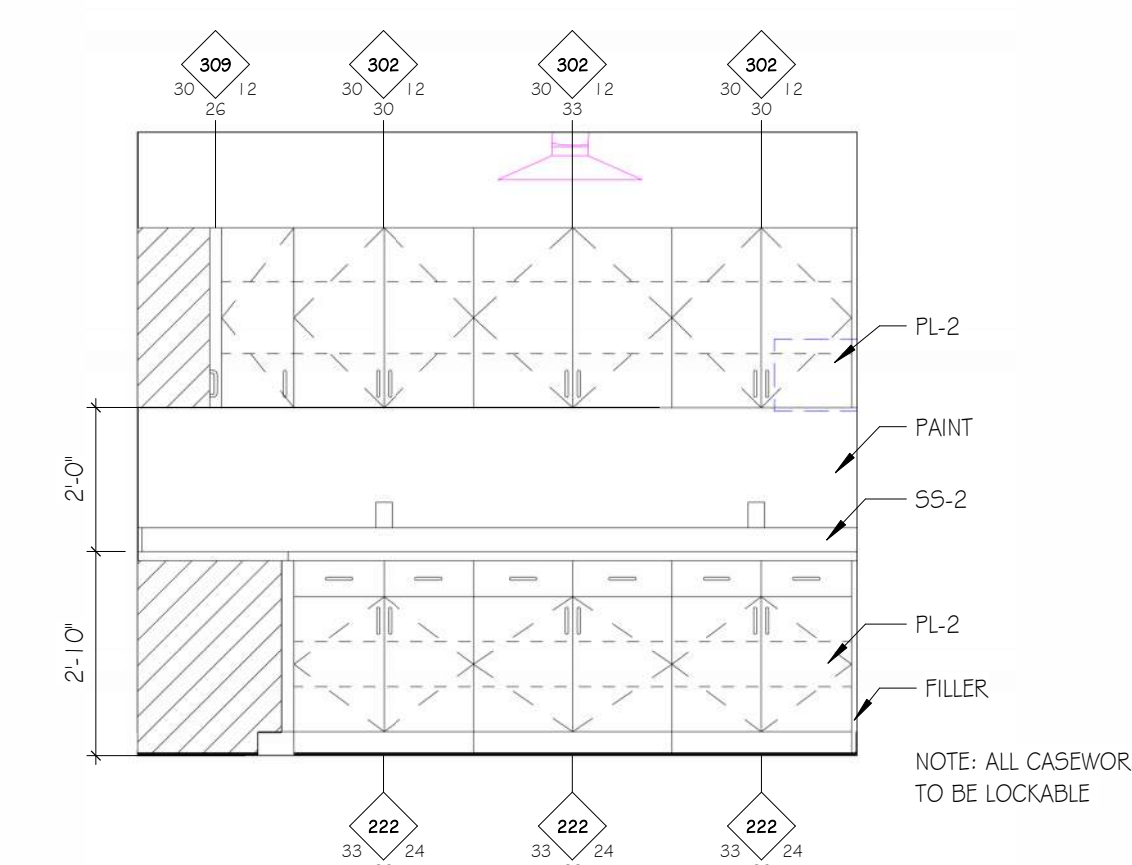
CASEWORK SCHEDULE		
NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AWI STANDARDS EDITION 2		
CDS #	CASEWORK TYPE	DESCRIPTION
153	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
211	BASE CAB	SGL DOOR / SGL DRWR
222	BASE CAB	DBL DOORS / DBL DRWR
230	BASE CAB	3 FILES
301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS
309	WALL CAB	BLIND CORNER - SGL DOOR
ADA	BASE CAB	ADA SINK



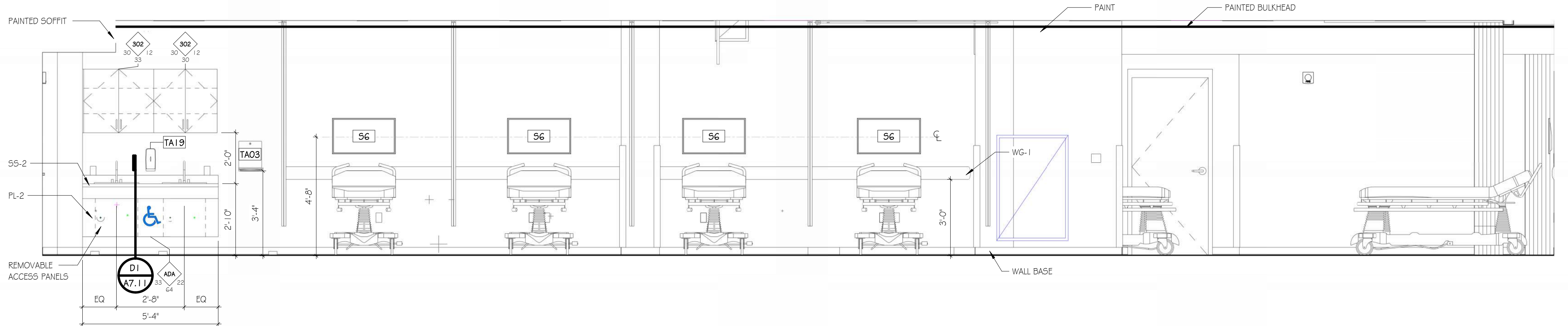
E1 ENLARGED PLAN - SKILLS LAB
SCALE: 1/4" = 1'-0"



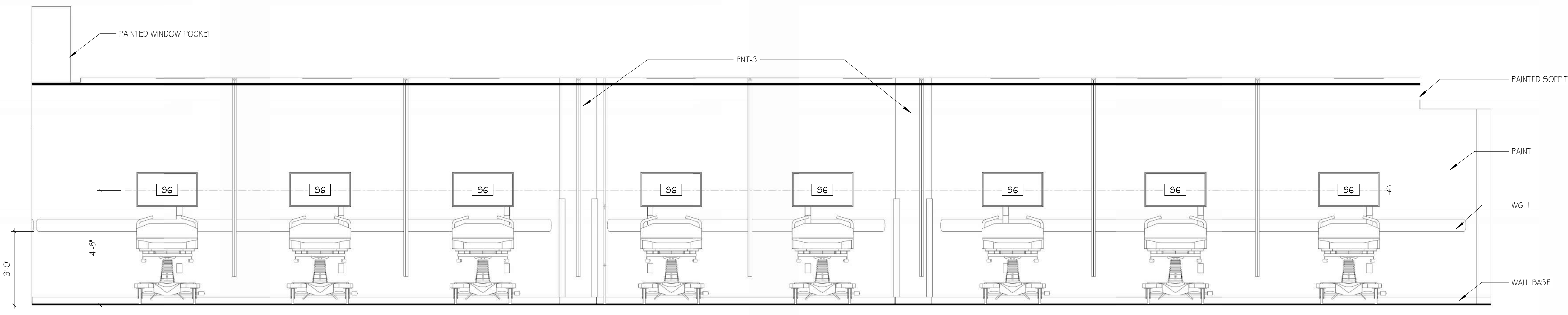
H7 MED ROOM 133 - a
SCALE: 3/8" = 1'-0"



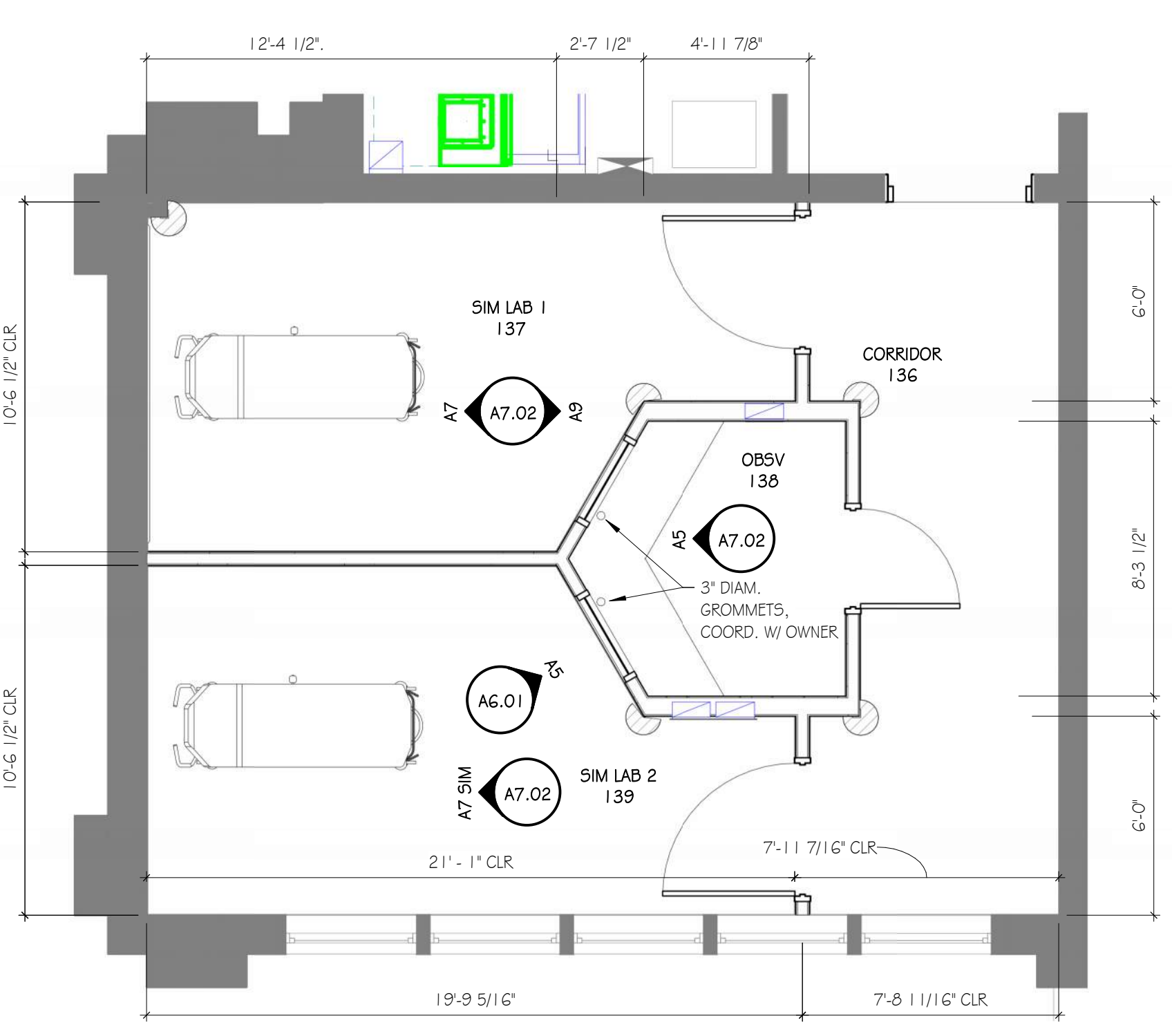
H9 MED ROOM 133 - b
SCALE: 3/8" = 1'-0"



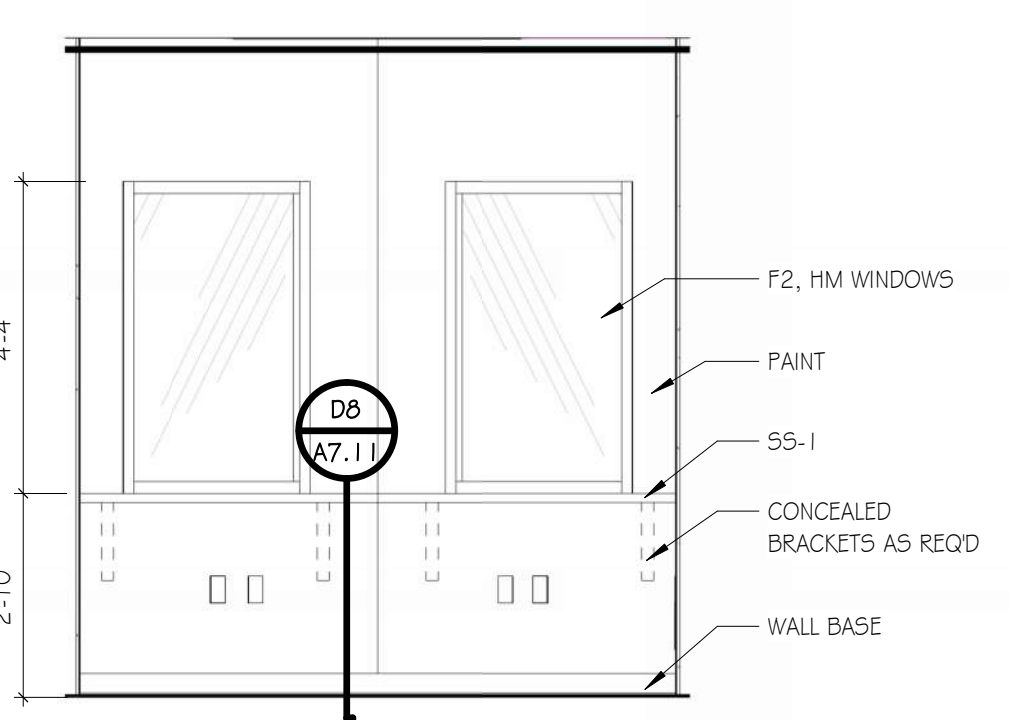
E5 SKILLS LAB - a
SCALE: 3/8" = 1'-0"



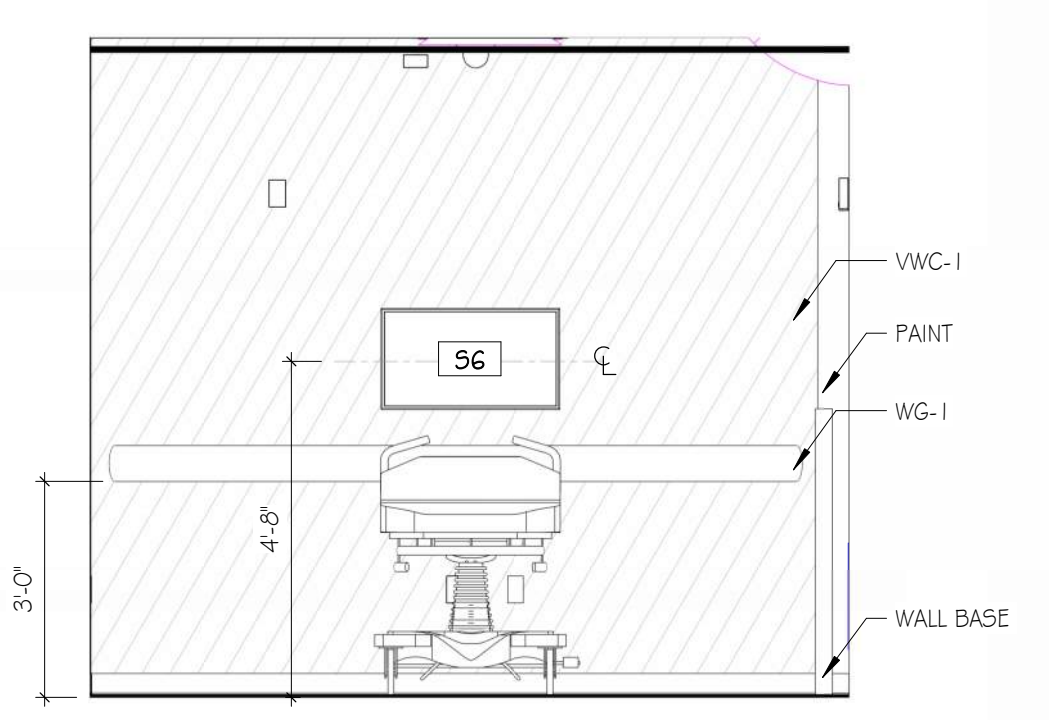
C5 SKILLS LAB - b
SCALE: 3/8" = 1'-0"



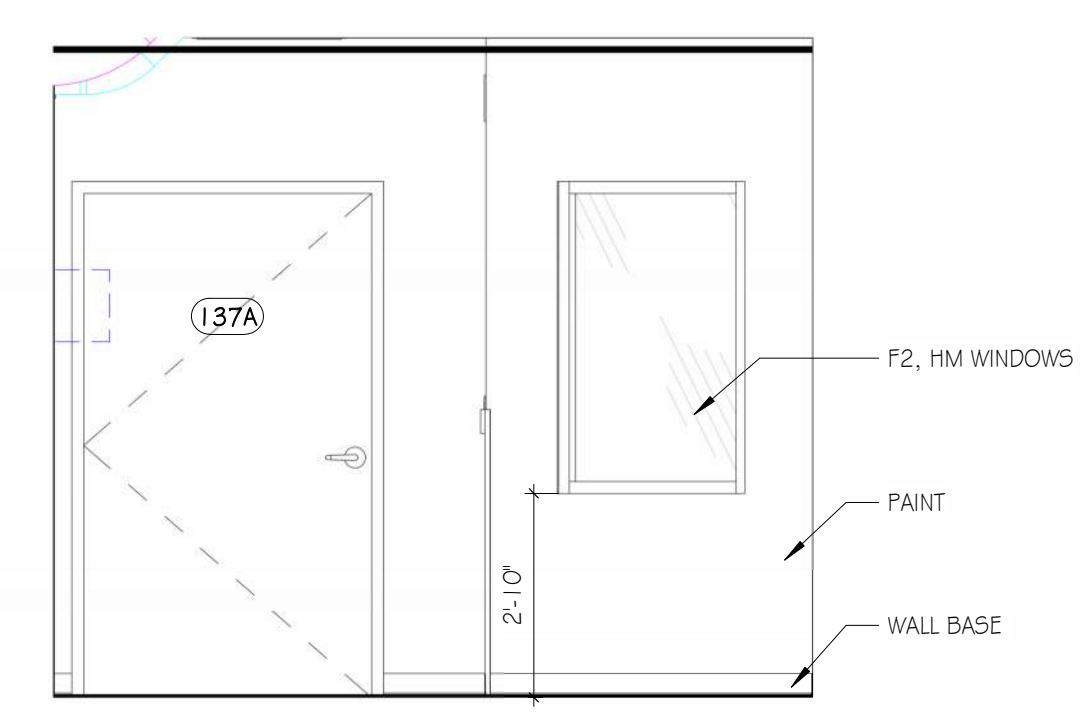
A1 ENLARGED PLAN - SIM LAB
SCALE: 1/4" = 1'-0"



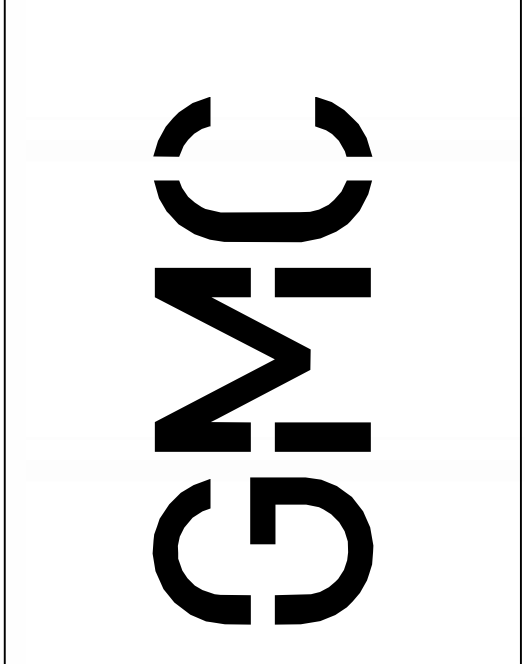
A5 OBSV 138
SCALE: 3/8" = 1'-0"



A7 SIM LAB 1 - HEAD WALL
SCALE: 3/8" = 1'-0"



A9 SIM LAB 1 - OBSV WALL
SCALE: 3/8" = 1'-0"



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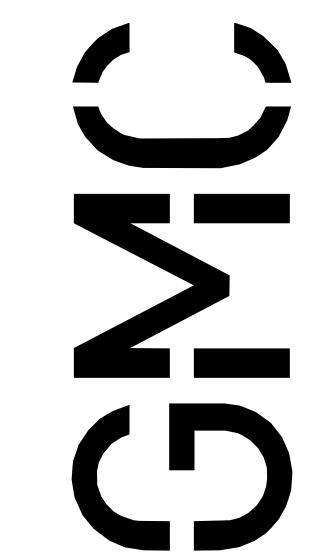
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INTERIOR ELEVATIONS
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SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	OFCI/CFCI
S1	LED SMART TV	OFCI
S2	VENDING MACHINE	OFOI
S3	WASHER AND DRYER, PROVIDE POWER & WATER, COORD. W/ PLUMBING	OFOI
S4	CUBICLE CURTAIN	OFCI
S5	PROJECTION SCREEN	OFCI
S6	HEADWALL BY OWNER, PROVIDE ELEC/DATA INFRASTRUCTURE	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE - WITH ICE	OFOI
S9	PRINTER	OFOI
S10	FOLDING PARTITION	OFCI
S11	WALL GUARD, SEE FINISH LEGEND	OFCI
S12	LECTURE HALL 1 & 2 FURNITURE	OFCI
S13	INTERIOR GLASS PARTITION	OFCI

CASEWORK SCHEDULE		
NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AIA STANDARDS EDITION 2		
CDS #	CASEWORK TYPE	DESCRIPTION
153	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
211	BASE CAB	SGL DOOR / SGL DRWR
222	BASE CAB	DBL DOORS / DBL DRWR
230	BASE CAB	3 FILES
301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS
309	WALL CAB	BLIND CORNER - SGL DOOR
ADA	BASE CAB	ADA SINK



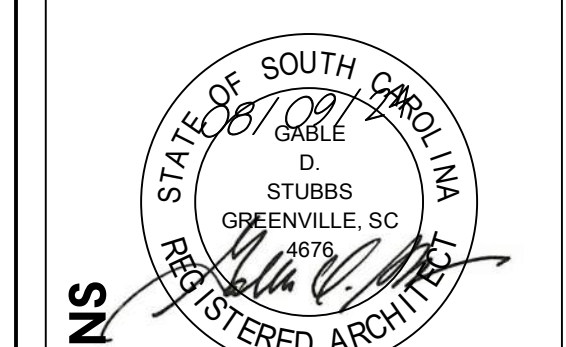
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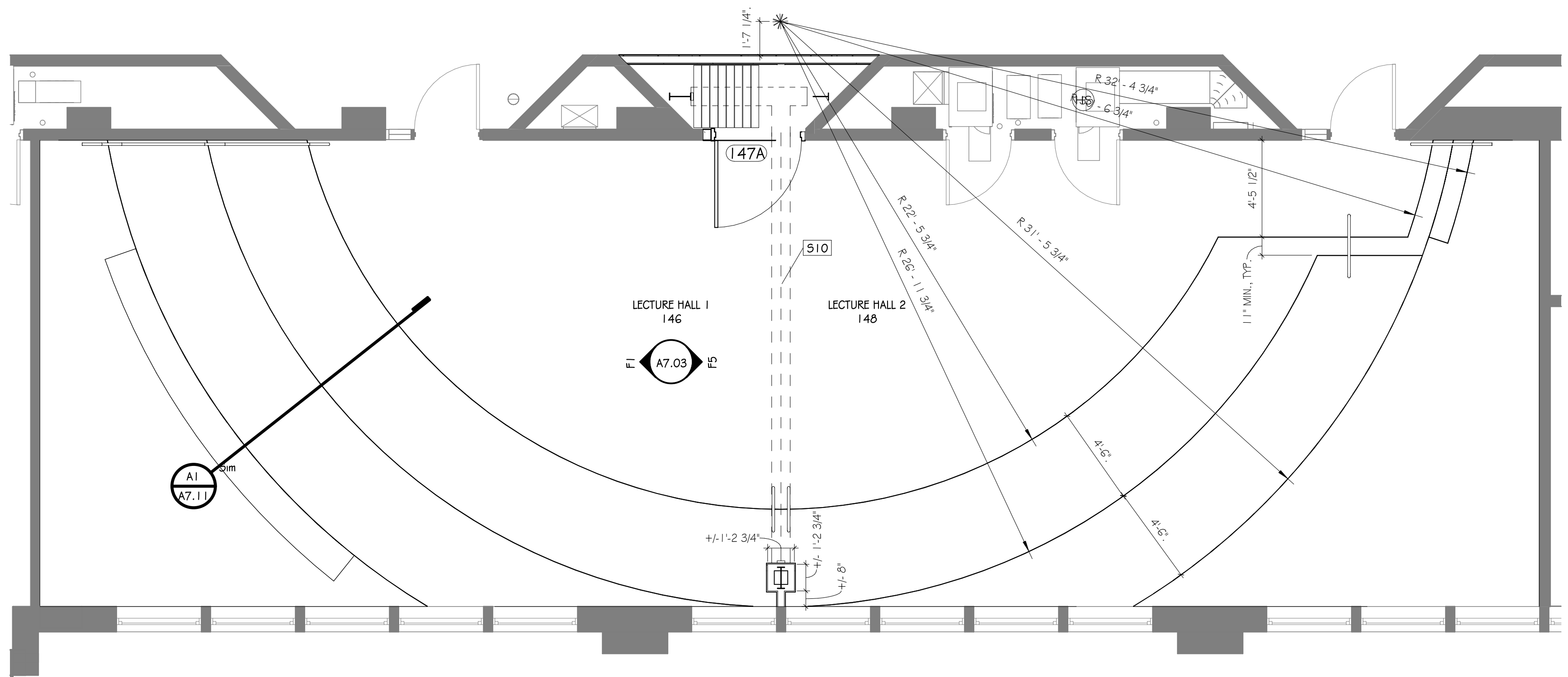
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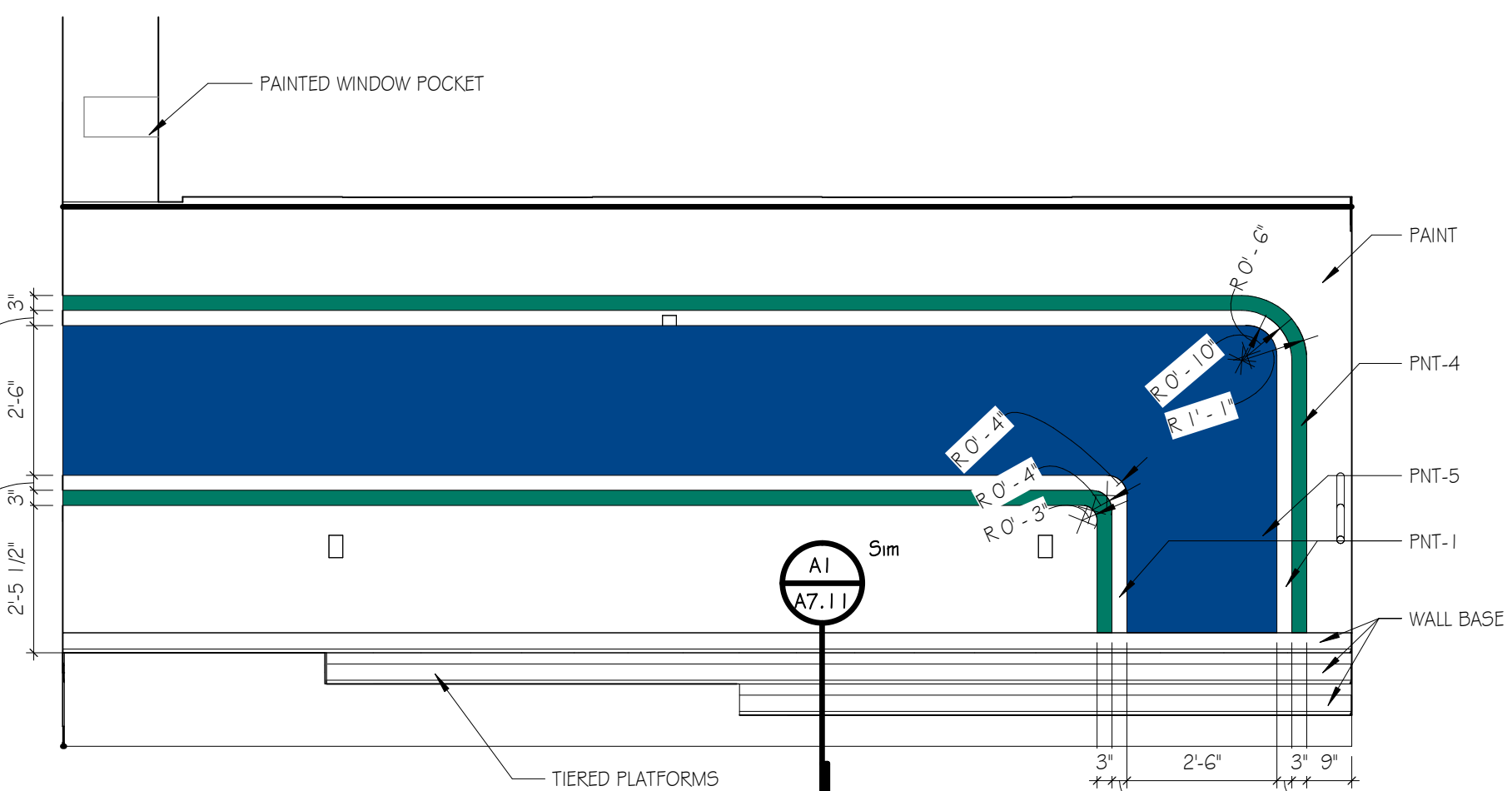


INTERIOR ELEVATIONS

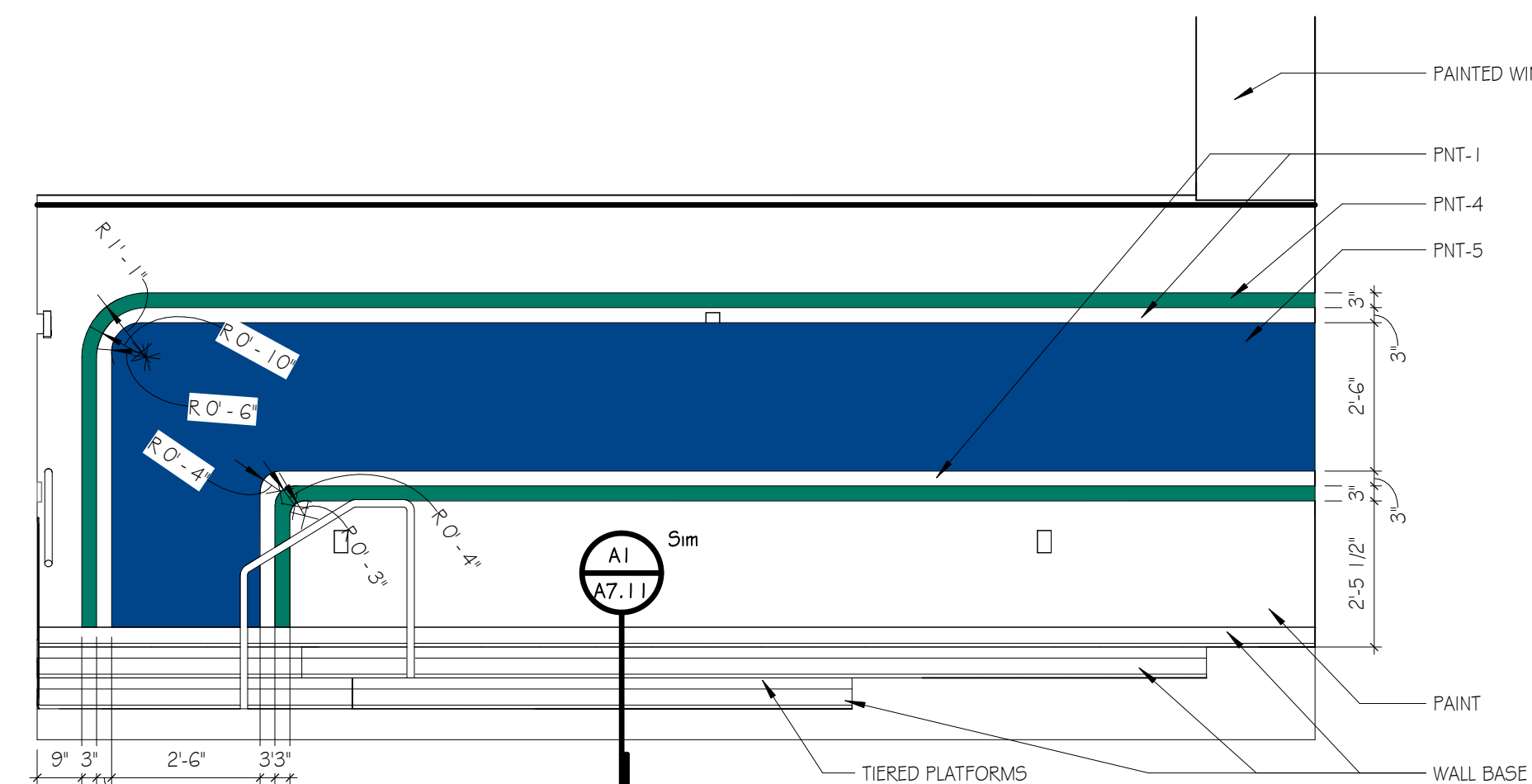
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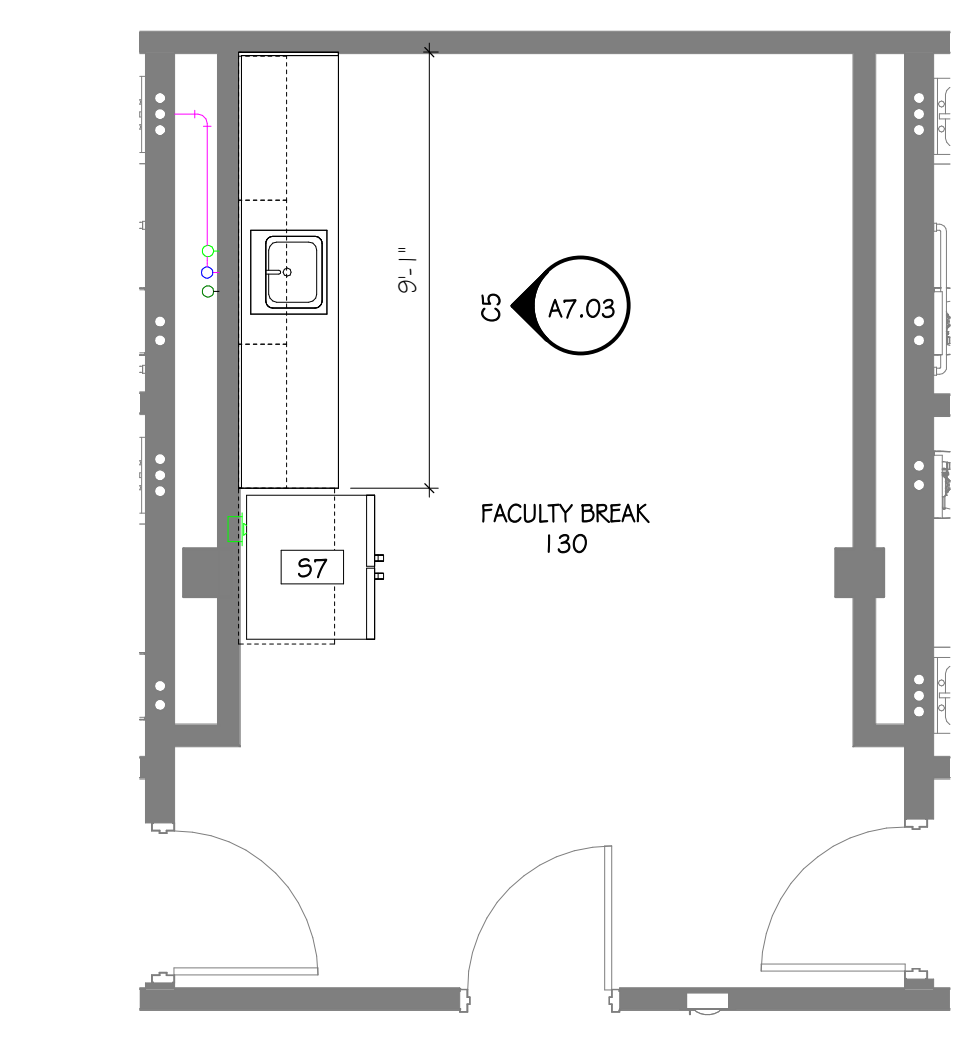
H1 ENLARGED PLAN - CLASSROOMS
 SCALE: 1/4" = 1'-0"



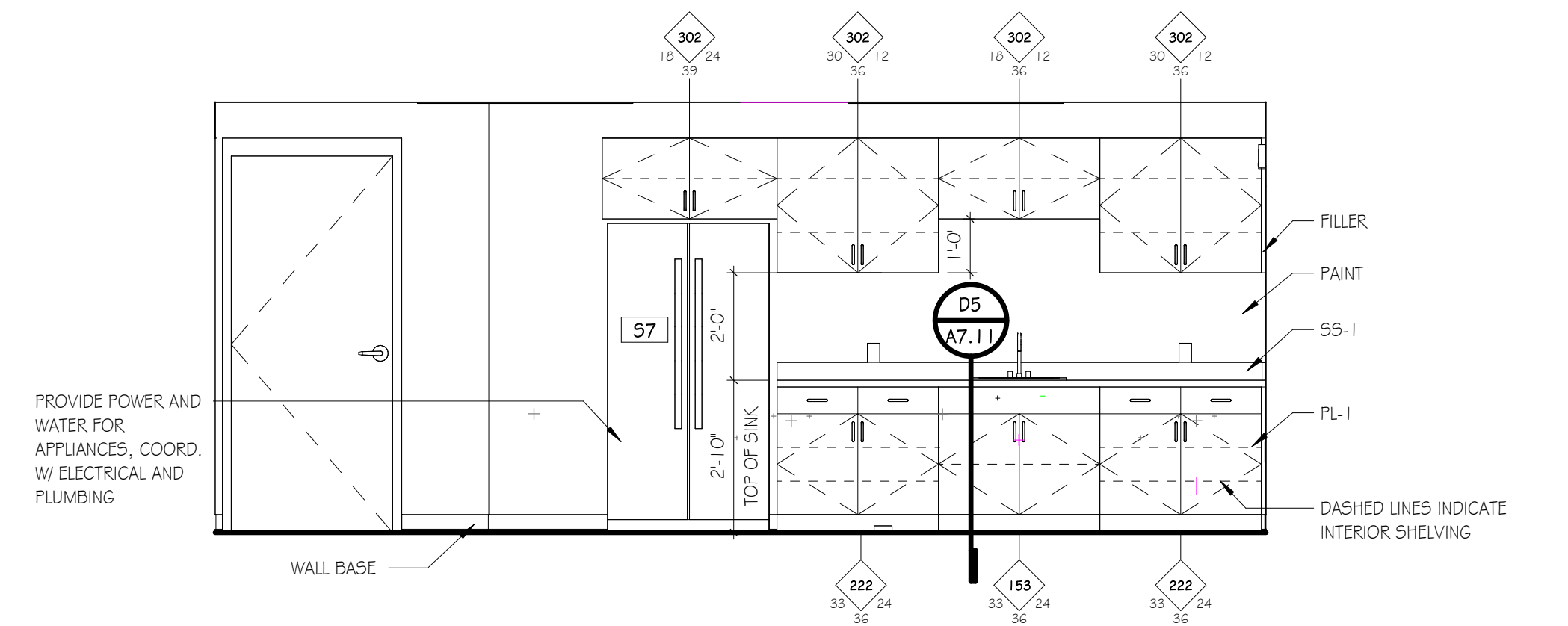
F1 LECTURE HALL 1
 SCALE: 3/8" = 1'-0"



F5 LECTURE HALL 2
 SCALE: 3/8" = 1'-0"



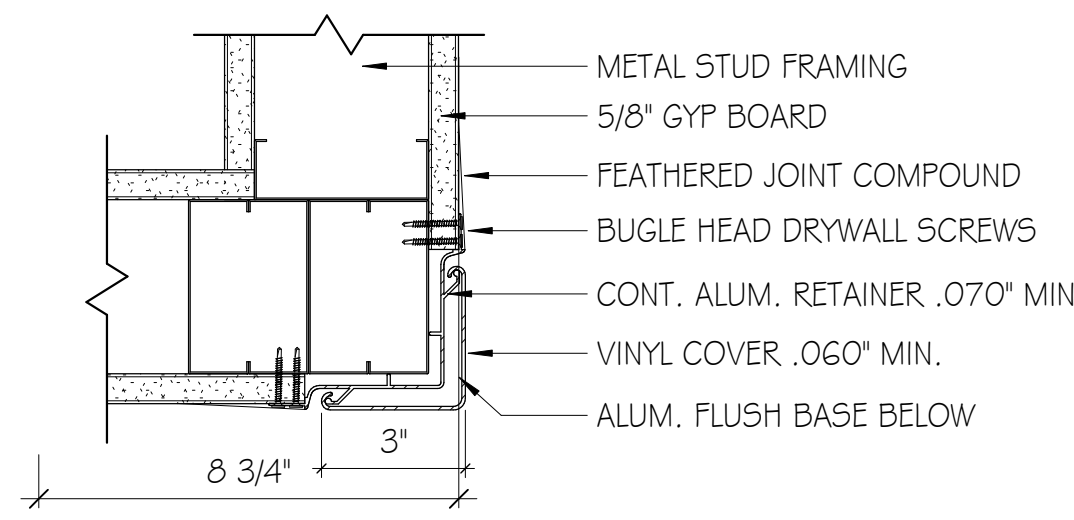
C1 ENLARGED PLAN - BREAK AREA
 SCALE: 1/4" = 1'-0"



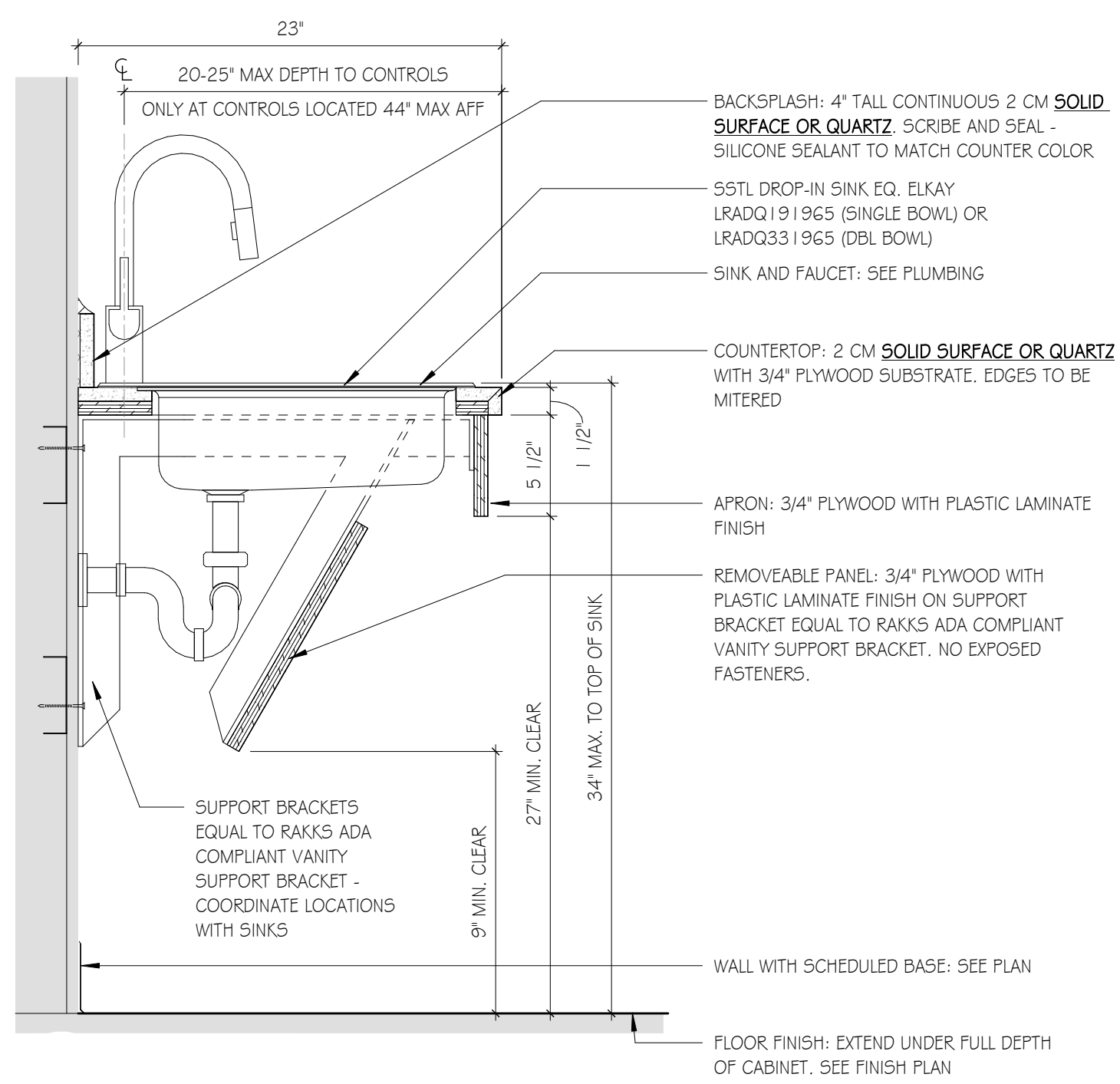
C5 FACULTY BREAK
 SCALE: 3/8" = 1'-0"

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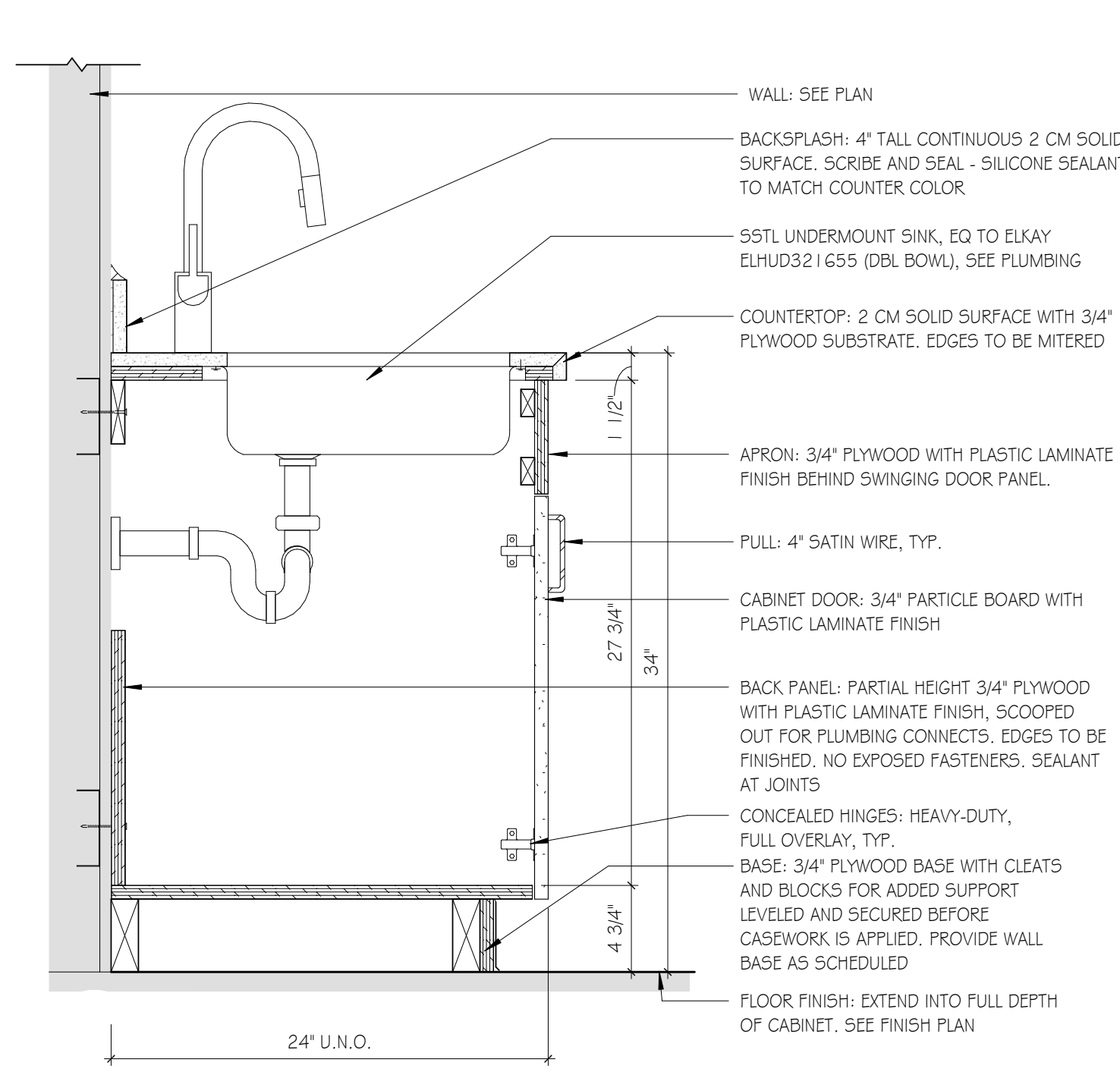
CASEWORK SCHEDULE		
NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AIA STANDARDS EDITION 2		
CDS #	CASEWORK TYPE	DESCRIPTION
153	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
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301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS
309	WALL CAB	BLIND CORNER - SGL DOOR
ADA	BASE CAB	ADA SINK



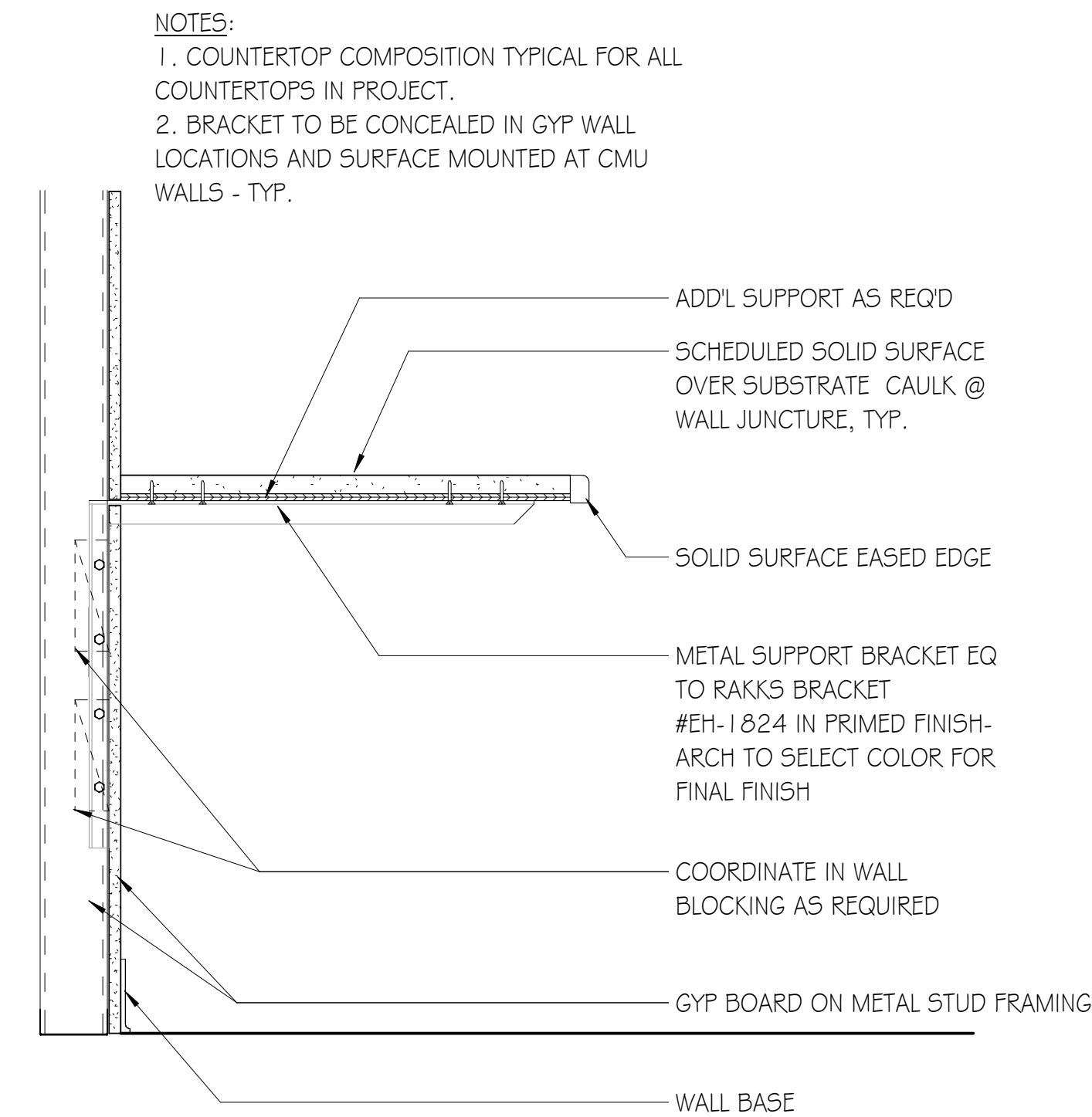
G1 CORNER GUARD, FLUSH
 SCALE: 3" = 1'-0"



D1 06 - ADA SINKBASE
 SCALE: 1 1/2" = 1'-0"

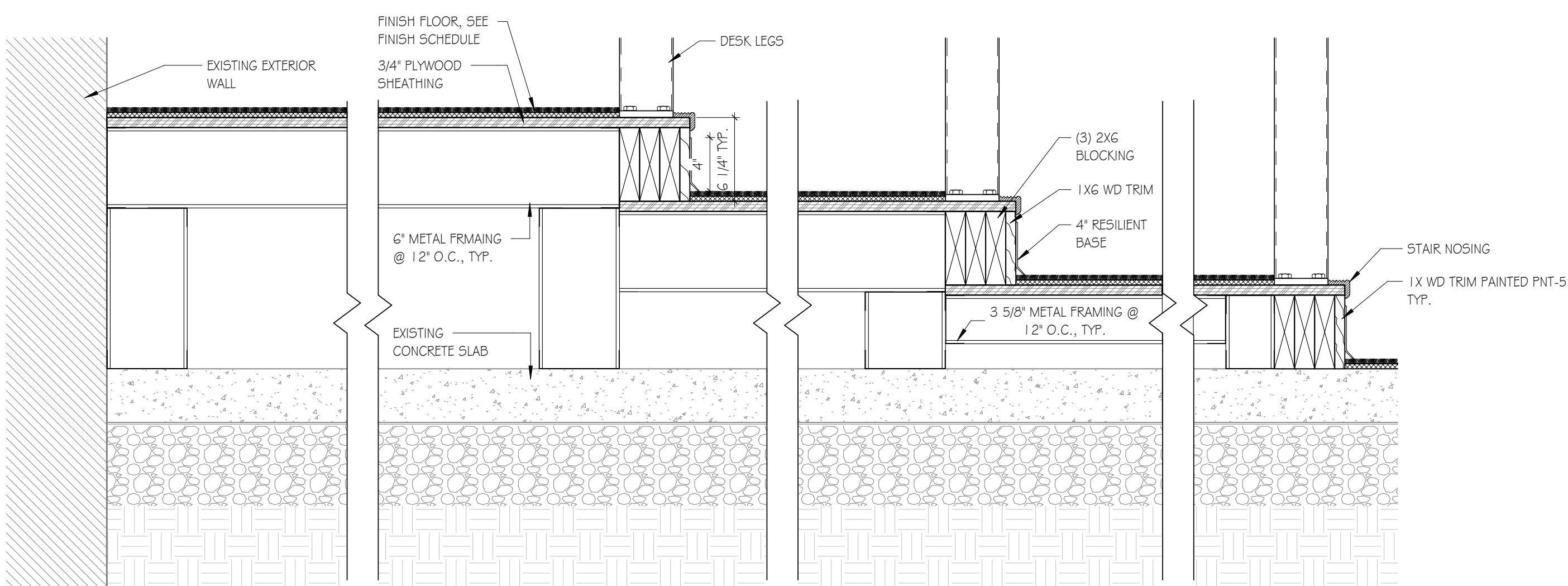


D5 FLAT PANEL SINK BASE
 SCALE: 1 1/2" = 1'-0"



D8 COUNTERTOP W/ CONCEALED BRACKET
 SCALE: 1 1/2" = 1'-0"

NOTES:
 1. COUNTERTOP COMPOSITION TYPICAL FOR ALL COUNTERTOPS IN PROJECT.
 2. BRACKET TO BE CONCEALED IN GYP WALL LOCATIONS AND SURFACE MOUNTED AT CMU WALLS - TYP.

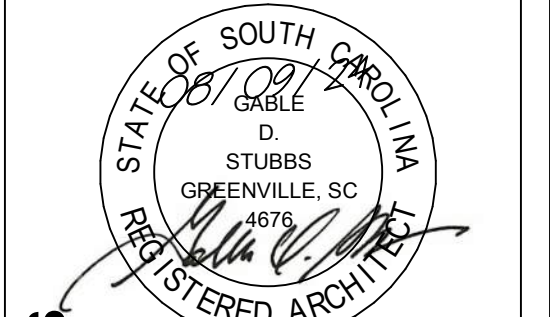


A1 PLATFORM SECTION
 SCALE: 1 1/2" = 1'-0"

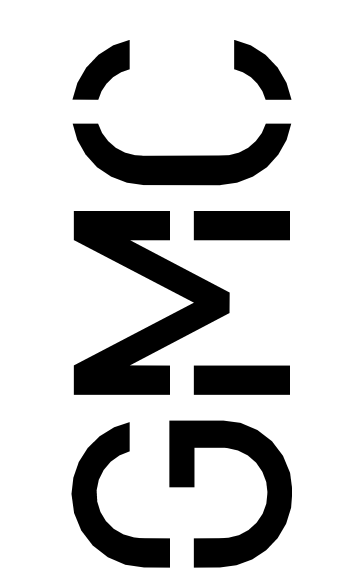
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MILLWORK DETAILS
A7.11



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FINISH NOTES

Table with 4 columns: FLOORS, WALLS, MISC, RCP NOTES. Contains detailed notes for floor finishes, wall treatments, miscellaneous details, and RCP (Resilient Carpet) specifications.

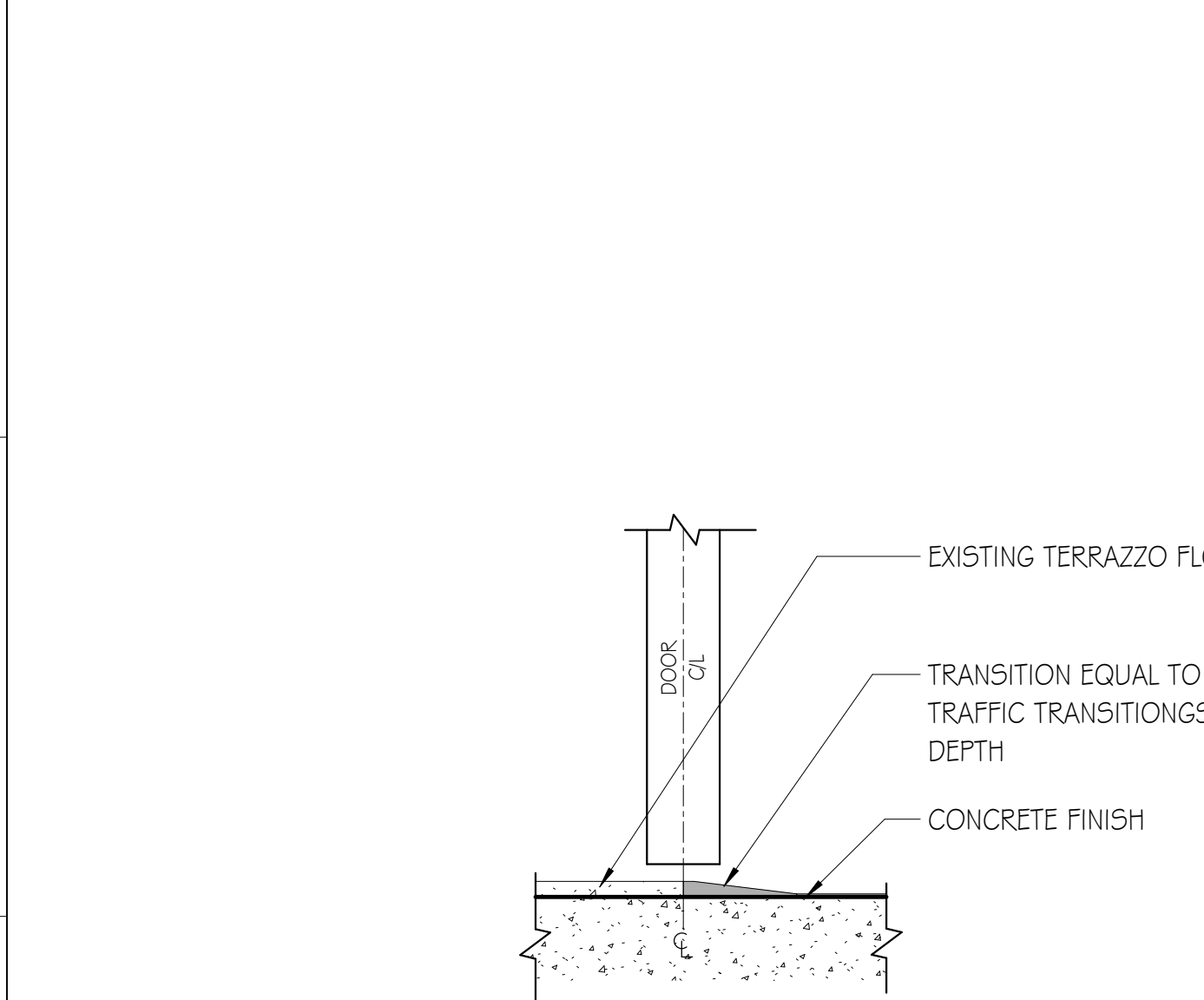
FINISH LEGEND

Table with 3 main columns: FLOOR, BASE, MISC. Lists materials and their details for various rooms, including carpet, rubber base, plastic laminate, and wall finishes.

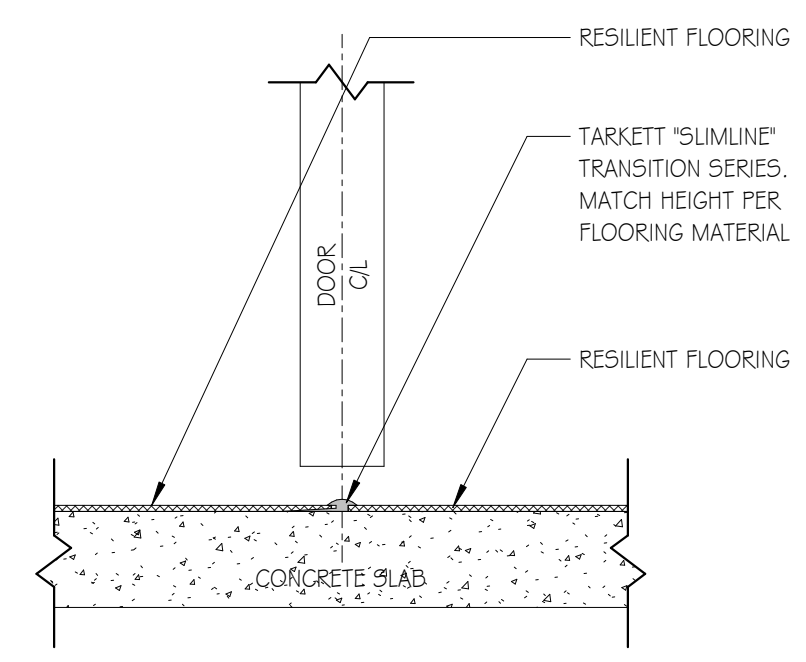
CASEWORK SCHEDULE table with columns: CDS #, CASEWORK TYPE, DESCRIPTION. Lists items like base cabinets, doors, drawers, and files.

TOILET ACCESSORIES SCHEDULE table with columns: TAG, DESCRIPTION, OFCI/CFCI. Lists items like paper towel dispensers and soap dispensers.

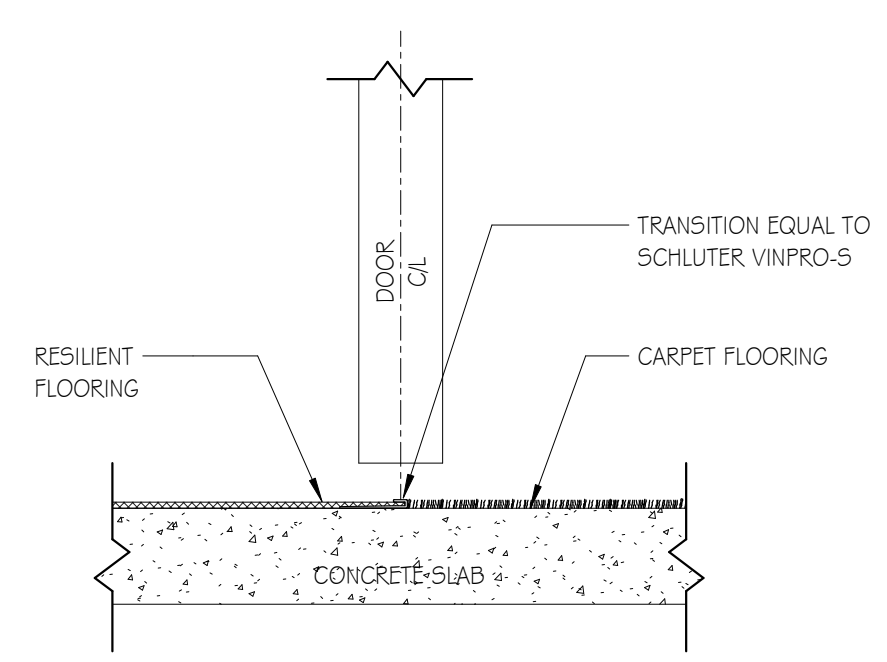
SPECIALTY EQUIPMENT SCHEDULE table with columns: TAG, DESCRIPTION, OFCI/CFCI. Lists items like LED smart TV, vending machine, washer/dryer, and cubicle curtains.



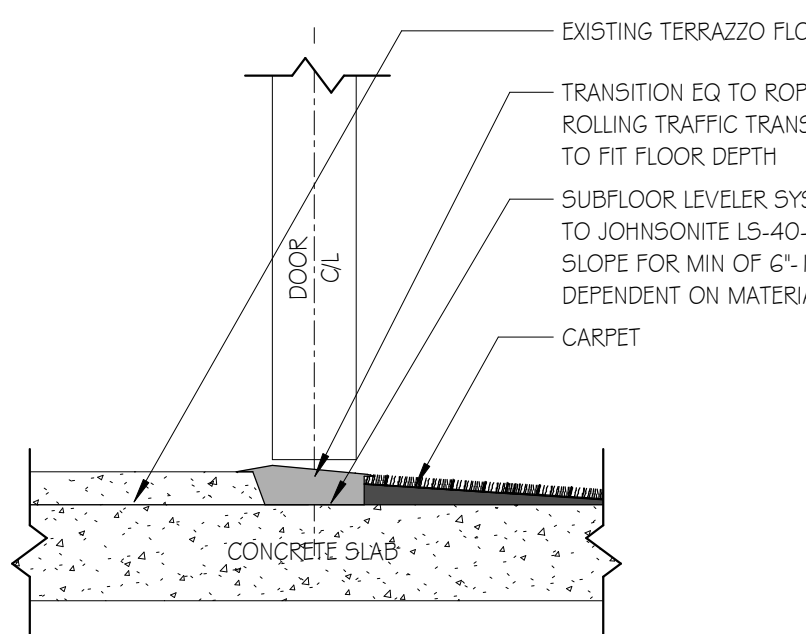
A1 EXISTING TZF TO CONC SCALE: 3"=1'-0"



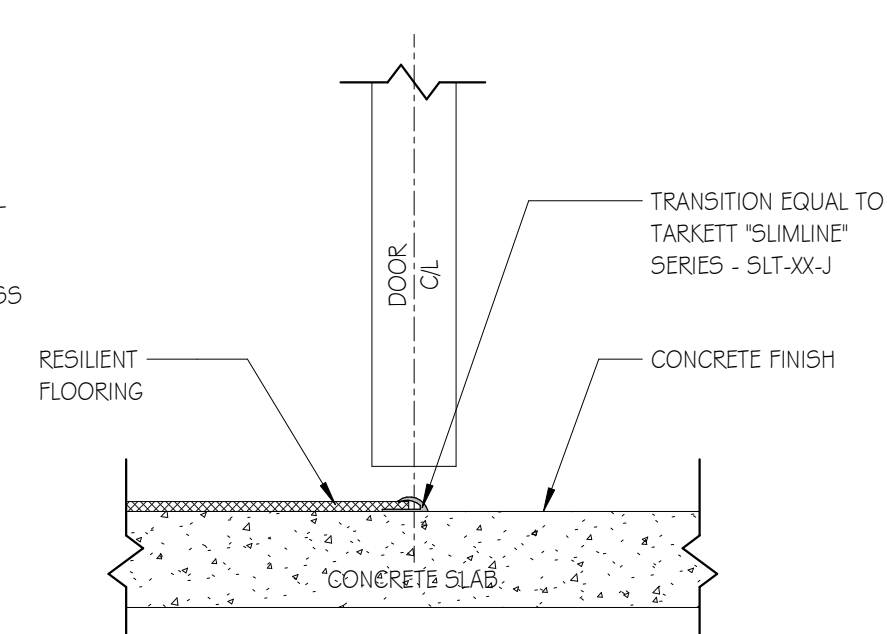
E3 RESILIENT TO RESILIENT SCALE: 3"=1'-0"



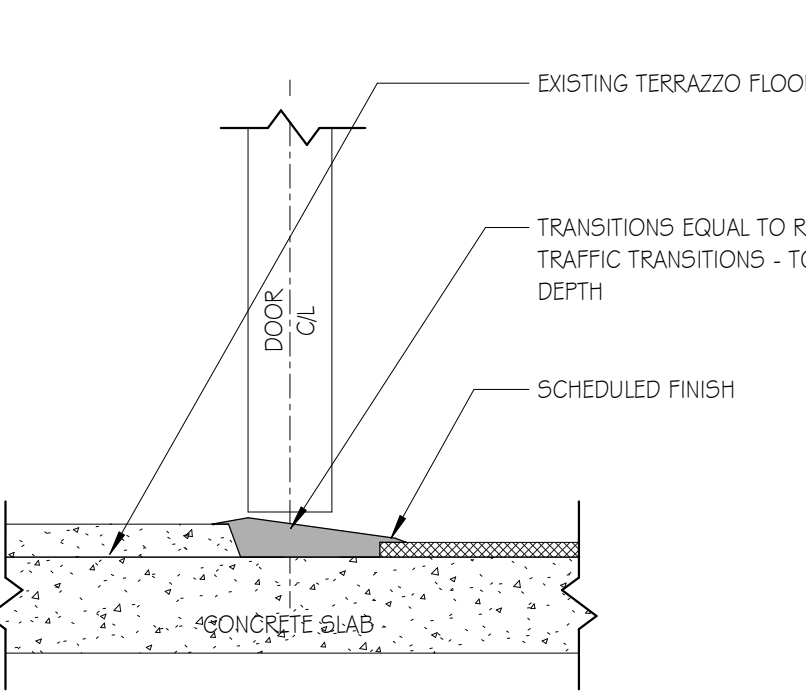
E5 09- RESILIENT TO CPT SCALE: 3"=1'-0"



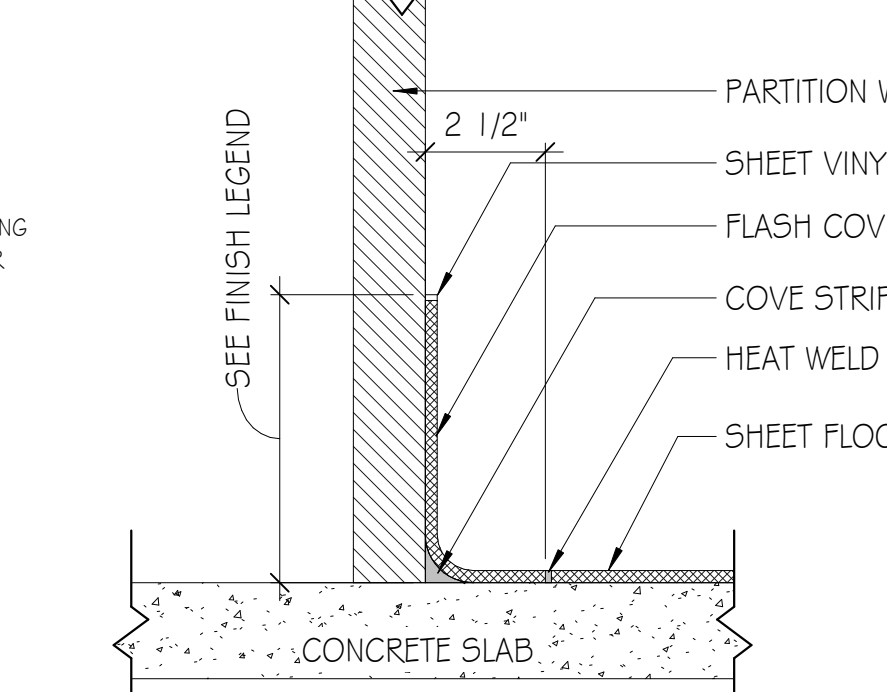
C3 EXISTING TZF TO CPT SCALE: 3"=1'-0"



C5 RESILIENT TO CONC SCALE: 3"=1'-0"



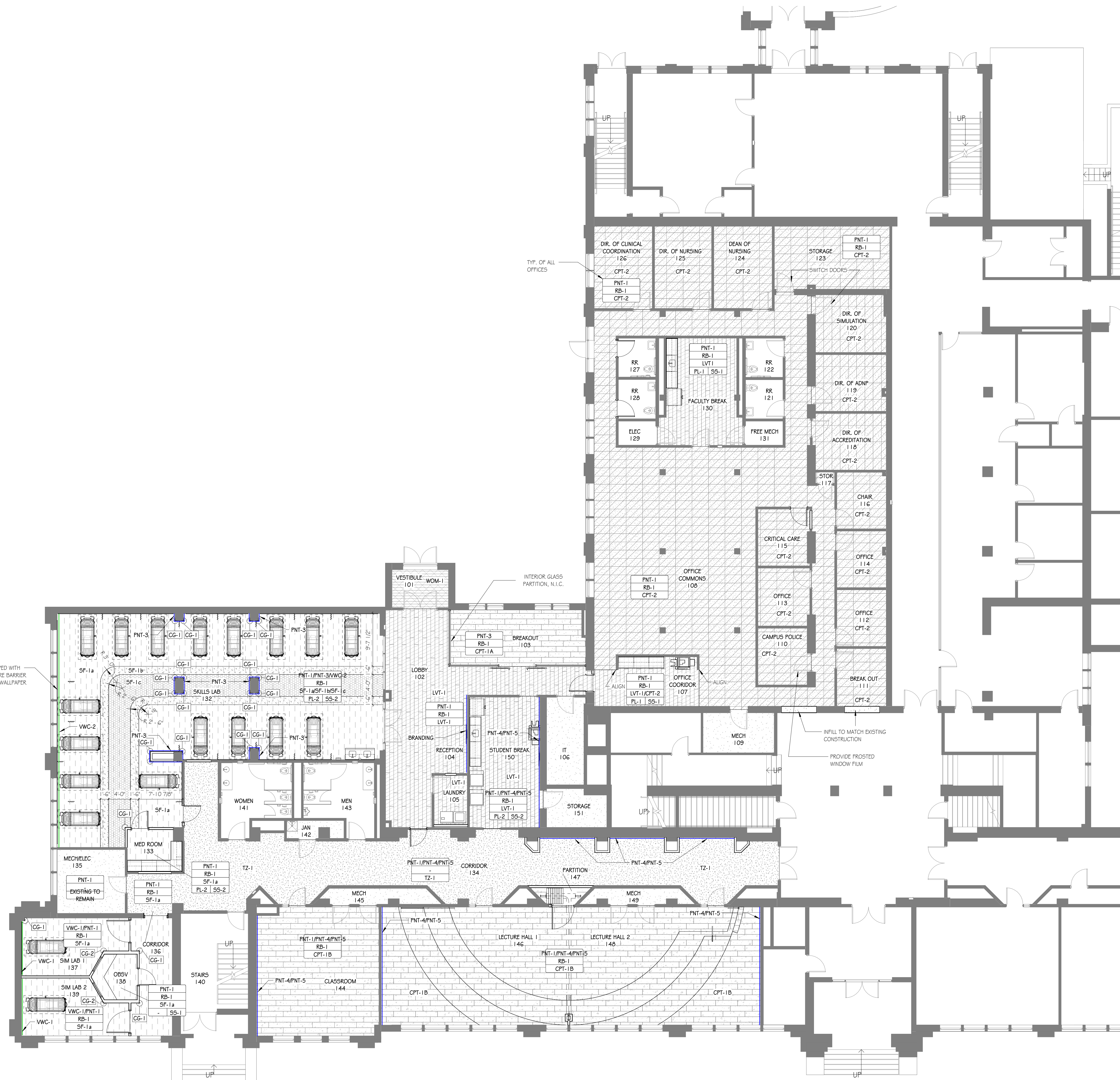
A3 EXISTING TZF TO RESILIENT SCALE: 3"=1'-0"



A5 SHEET COVE BASE SCALE: 3"=1'-0"

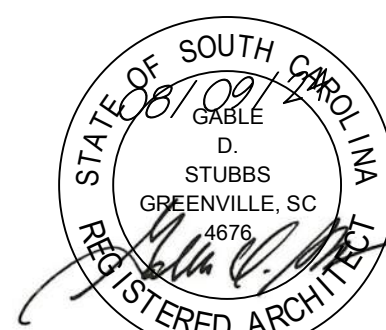
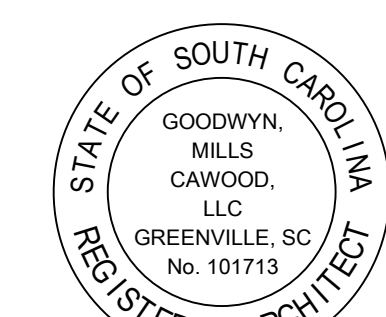
ROOM FINISH SCHEDULE table with columns: ROOM #, ROOM NAME, FLOOR, BASE, WALL, MILLWORK/CASEWORK (CABINET, COUNTERTOP), COMMENTS. Lists finish details for various rooms like vestibule, lobby, classrooms, and labs.

Vertical sidebar containing: GMC logo, project name (SCC EVANS BUILDING NURSING RELOCATION), location (220 E Kennedy St, Spartanburg, SC 29302), issue date (08/09/24), author (Goodwyn Mills Cawood, LLC), and schedule number (A8.01).

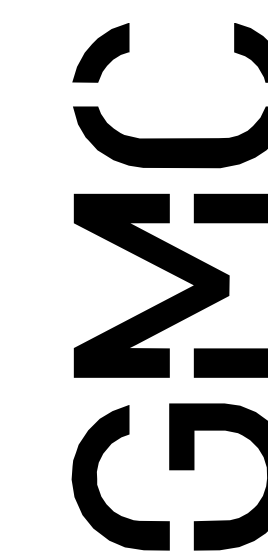


GENERAL NOTES - FINISH PLAN

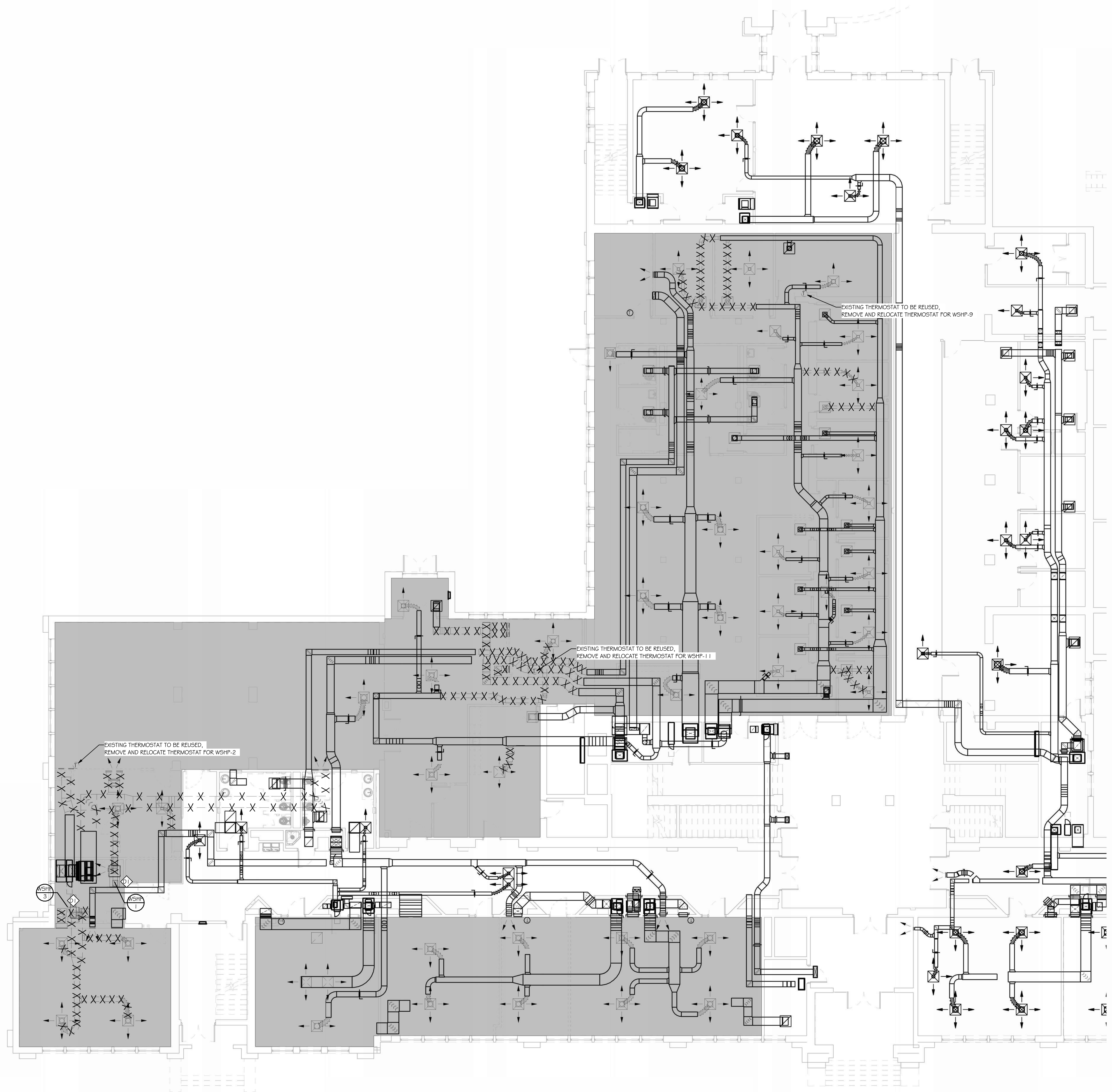
- 1. FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.
- 2. REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.
- 3. UNLESS OTHERWISE NOTED, ALL FLOOR FINISHES SHALL BE CENTERED IN ROOM.
- 4. UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/OPENING.
- 5. CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING, WALL, AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.
- 6. REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.



BID DOCUMENTS	DATE
	08/09/24



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HVAC DEMOLITION FLOOR PLAN - LEVEL 1

1/8" = 1'-0"

GENERAL NOTES:

1. PROVIDE ACCESS DOORS AT EACH MOTORIZED DAMPER AND EACH FIRE DAMPER NOT ACCESSIBLE FROM A GRILLE; SEE SPECS FOR SIZE.
2. WHERE DUCTS CONNECT TO TOP OF CHASE: SEAL AIR TIGHT
3. PIPE CONDENSATE DRAINS TO NEAREST FLOOR DRAIN OR HUB DRAIN.
4. PROVIDE 27" MIN CLEARANCE AT FILTER HOUSINGS FOR FILTER REMOVAL
5. RUN ALL PIPING AND DUCTWORK MINIMUM 6'-8" CLEAR OVERHEAD. COORDINATE WITH ENGINEER WHERE NOT POSSIBLE.
6. SLOPE ALL CONDENSATE LINES MIN. 1/8" PER FOOT.
7. MINIMUM BRANCH CONDENSATE LINE SIZE SHALL BE 1" UNLESS NOTED OTHERWISE ON PLANS.
8. SEE ARCH. DWGS FOR EXACT SIDEWALL REGISTER AND GRILL ELEVATION & LOCATION.
9. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK AT END OF BRANCH DUCTWORK SHALL BE 5'-0" (SUPPLY DUCT SYSTEMS ONLY)
10. WHERE HVAC PIPING IS INDICATED TO TERMINATE WITH A BLIND FLANGE, PROVIDE A HOSE BIB IN THE BLIND FLANGE. (HOSE BIB IS TO BE USED TO CROSS-CONNECT PIPING FOR CIRCULATION DURING CHEMICAL TREATMENT.)
11. HVAC CONTRACTOR TO COORDINATE EXACT LOCATION OF DUCT WORK WITH GENERAL CONTRACTOR (PRIOR TO FABRICATION) TO AVOID POTENTIAL CONFLICT WITH SOUND WALLS EXTENDED TO THE DECK, ETC.
12. **DUCTWORK COORDINATION:**
 - FIELD COORDINATE ROUTING OF DUCTWORK PRIOR TO DUCTWORK FABRICATION.
 - WHERE DUCTWORK IS ROUTED THROUGH OR BETWEEN TRUSSES, CONSTRUCT DUCT SECTION LENGTHS TO ALLOW INSTALLATION IN TRUSSES.
 - COORDINATE DUCTWORK ROUTED THROUGH (OR BETWEEN) TRUSSES WITH STRUCTURAL ROOF TRUSS SHOP DRAWINGS. COORDINATE/VERIFY THAT INTERNAL MEMBERS OF NEW TRUSSES HAVE BEEN DESIGNED TO ALLOW FOR DUCT ROUTING. COORDINATE WITH G.C. WHERE EXISTING ROOF TRUSSES REQUIRE MODIFICATION TO ROUTE DUCTWORK.
13. CLEANOUTS FOR UNDERGROUND DRAIN PIPING OUTSIDE THE BUILDING SHALL BE A RECESSED PLUG IN A THREADED HUB, FLUSH IN A 1 1/2" X 1 1/2" OR 1 1/2" DIAMETER CONCRETE PAD. CONCRETE PAD SHALL BE FORMED AND POURED WITH TOP FLUSH WITH FINISH GRADE BY HVAC CONTRACTOR.
14. PROTECT ALL PENETRATIONS OF NON-FIRE RESISTANCE RATED ASSEMBLIES WITH AN APPROVED NON-COMBUSTIBLE MATERIAL TO RESIST THE PASSAGE OF FLAME AND SMOKE.

SYMBOLS:

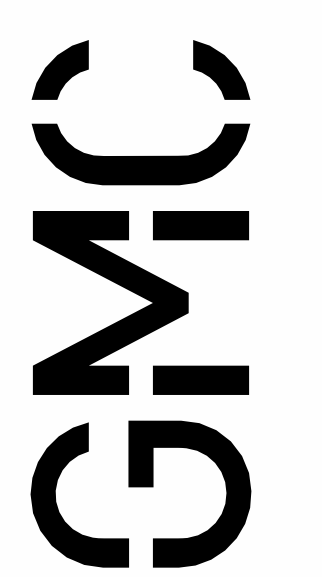
- HPS- HEAT PUMP SUPPLY
- HPR- HEAT PUMP RETURN
- D- DRAIN
- G- GAS
- ⊗ GATE VALVE
- ⊘ CHECK VALVE
- ⊘ GLOBE VALVE
- ⊘ BALL VALVE (2" AND SMALLER)
- ⊘ CONTROL VALVE
- ⊘ BUTTERFLY VALVE (2-1/2" AND LARGER)
- ⊘ REDUCER
- ⊘ UNION
- ⊕ THERMOSTAT
- ⊕ HUMIDISTAT
- ⊕ CO₂ SENSOR
- SUPPLY AIR (S.A.)
- ← RETURN AIR (R.A.)
- ↔ EXHAUST AIR
- ↔ RELIEF AIR
- AD ACCESS DOOR
- FD FIRE DAMPER
- R- REFRIGERANT LINES
- ⊕ MOTORIZED DAMPER
- O/H OVERHEAD
- U/G UNDERGROUND
- VD VOLUME DAMPER
- CO CLEAN OUT

SHEET LIST

M101	HVAC FLOOR PLAN
M102	HVAC PIPING AND ROOF FLOOR PLANS
M103	HVAC SCHEDULES & DETAILS
M100	HVAC NOTES & DEMOLITION

DEMOLITION NOTES:

- SHADING INDICATES RENOVATION AREA. ALL AIR DEVICES WITHIN RENOVATION AREA TO BE DEMOLISHED. PROTECT EXISTING DUCTWORK AND FLEX DUCT UNLESS NOTED OTHERWISE. NEW AIR DEVICES TO BE RECONNECTED TO EXISTING DUCTWORK.
- XXX: 'X' INDICATES EXTENT OF DUCTWORK TO BE DEMOLISHED.
- ⊕ DEMOLISH EXISTING WHP UNIT AND ALL ASSOCIATED DUCTWORK. PROTECT HPS & HPR PIPING FOR RECONNECTION TO NEW UNIT.



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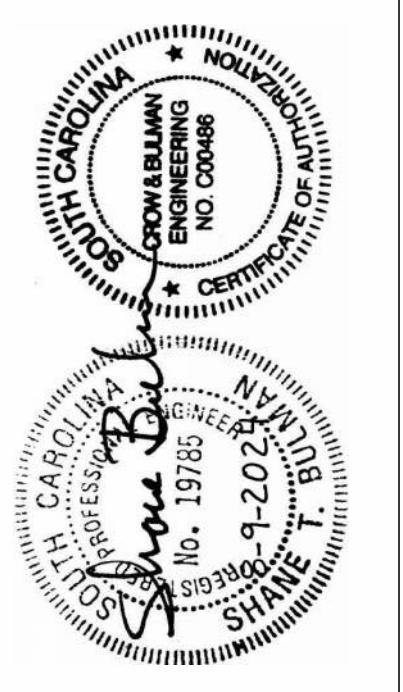


ISSUE DATE	DATE
CONSTRUCTION DOCUMENTS	07/19/24
BID DOCUMENTS	08/09/24

DRAWN BY: JAS
 CHECKED BY: STB

SCC EVANS BUILDING NURSING RELOCATION

220 E Kennedy St
 Spartanburg, SC 29302



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 CBE 2404

HVAC NOTES & DEMOLITION

M100

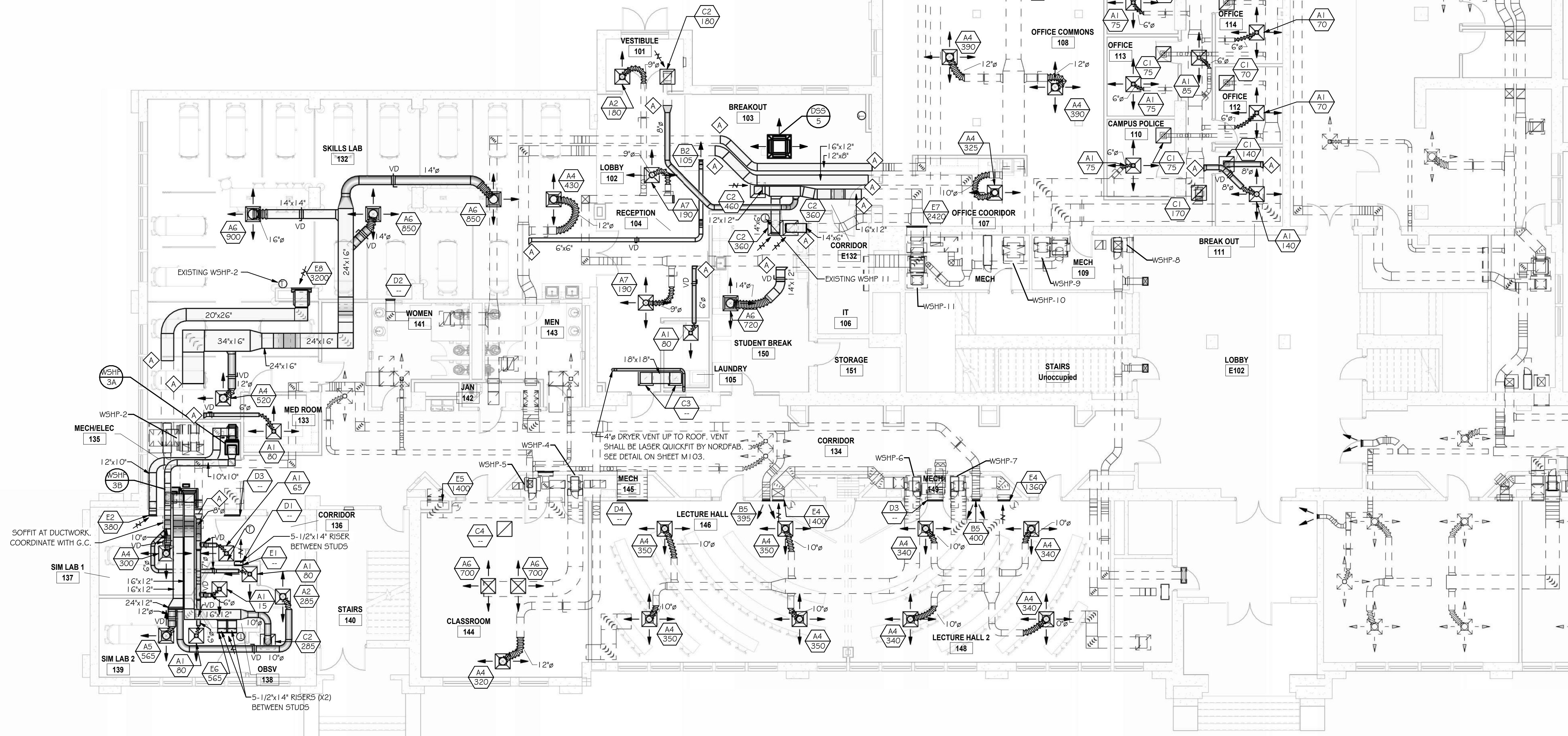
AIR DEVICE SCHEDULE							
TAG	NECK SIZE	NOMINAL FACE SIZE	SERVICE	MOUNTING	MANUFACTURER	MODEL	REMARKS
A1	6 x 6	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	AMD	
A2	9 x 9	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	AMD	
A3	10" DIA.	24 x 24	SUPPLY	NOT USED	NOT USED	NOT USED	NOT USED
A4	12 x 12	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	AMD	
A5	15 x 15	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	AMD	
A6	18 x 18	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	AMD	
A7	8" DIA.	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	VBD-HC	
A8	10" DIA.	24 x 24	SUPPLY	LAY IN, T-BAR	PRICE	VBD-HC	
B1	6 x 4	8 x 6	SUPPLY	HIGH SIDEWALL	PRICE	G20	(A)
B2	6 x 6	8 x 6	SUPPLY	HIGH SIDEWALL	PRICE	G20	(A)
B3	10 x 4	12 x 6	SUPPLY	HIGH SIDEWALL	PRICE	G20	(A)
B4	12 x 6	14 x 8	SUPPLY	HIGH SIDEWALL	PRICE	G20	(A)
B5	12 x 8	14 x 10	SUPPLY	HIGH SIDEWALL	PRICE	G20	(A)
C1	10 x 10	24 x 24	RETURN	LAY IN, T-BAR	PRICE	APDDR	
C2	12 x 12	24 x 24	RETURN	LAY IN, T-BAR	PRICE	APDDR	
C3	18 x 18	24 x 24	RETURN	LAY IN, T-BAR	PRICE	APDDR	
C4	22 x 22	24 x 24	RETURN	LAY IN, T-BAR	PRICE	APDDR	
D1	12 x 6	14 x 8	RETURN	HIGH SIDEWALL	PRICE	G10Z	(A)
D2	14 x 12	16 x 14	RETURN	HIGH SIDEWALL	PRICE	G10Z	(A)
D3	24 x 8	26 x 10	RETURN	HIGH SIDEWALL	PRICE	G10Z	(A)
D4	48 x 8	50 x 10	RETURN	HIGH SIDEWALL	PRICE	G10Z	(A)
E1	12 x 6	14 x 8	RETURN	LOW SIDEWALL	PRICE	99	
E2	12 x 16	14 x 18	RETURN	LOW SIDEWALL	PRICE	99	
E3	14 x 14	16 x 16	RETURN	LOW SIDEWALL	PRICE	99	(A)
E4	18 x 36	20 x 38	RETURN	LOW SIDEWALL	PRICE	99	(A)
E5	24 x 24	26 x 26	RETURN	LOW SIDEWALL	PRICE	99	(A)
E6	30 x 14	32 x 16	RETURN	LOW SIDEWALL	PRICE	99	(A)
E7	32 x 32	34 x 34	RETURN	LOW SIDEWALL	PRICE	99	(A)
E8	32 x 48	34 x 50	RETURN	LOW SIDEWALL	PRICE	99	(A)

AIR DEVICE NOTES:

- WHERE EXISTING AIR DEVICES ARE BEING REPLACED WITH NEW, REPLACE EXISTING FLEXIBLE DUCTWORK AND PROVIDE NEW TRANSITION AS REQUIRED MAKE CONNECTIONS.

AIR DEVICE REMARKS:

- (A) FIELD VERIFY NECK SIZE OF SIDEWALL AIR DEVICES IN EXISTING WALL OPENINGS.

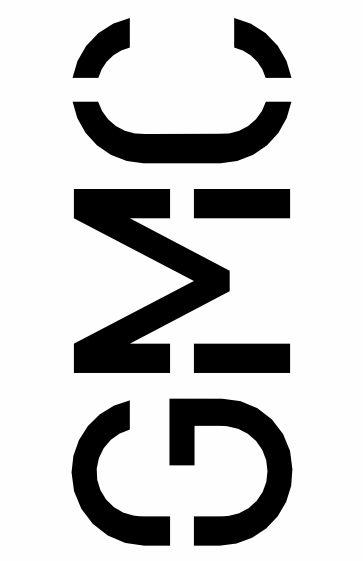


HVAC FLOOR PLAN - LEVEL 1

1/8" = 1'-0"

SHEET NOTES:

- REFER TO GENERAL NOTES ON SHEET M100.
- CONNECT TO EXISTING DUCTWORK. FIELD VERIFY SIZE, LOCATION AND ELEVATION OF EXISTING DUCT.



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ISSUE DATE: 06/07/2024
CONSTRUCTION DOCUMENTS
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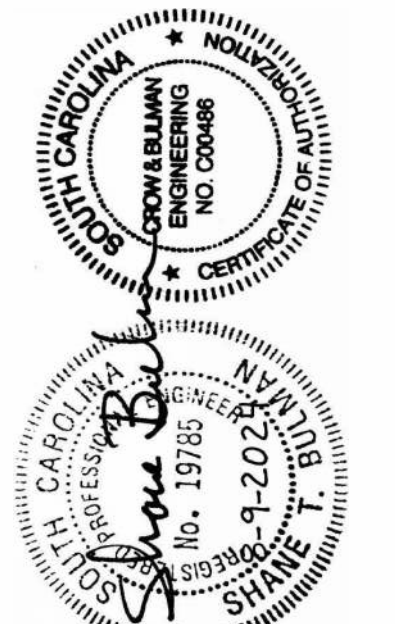
SCC EVANS BUILDING NURSING RELOCATION

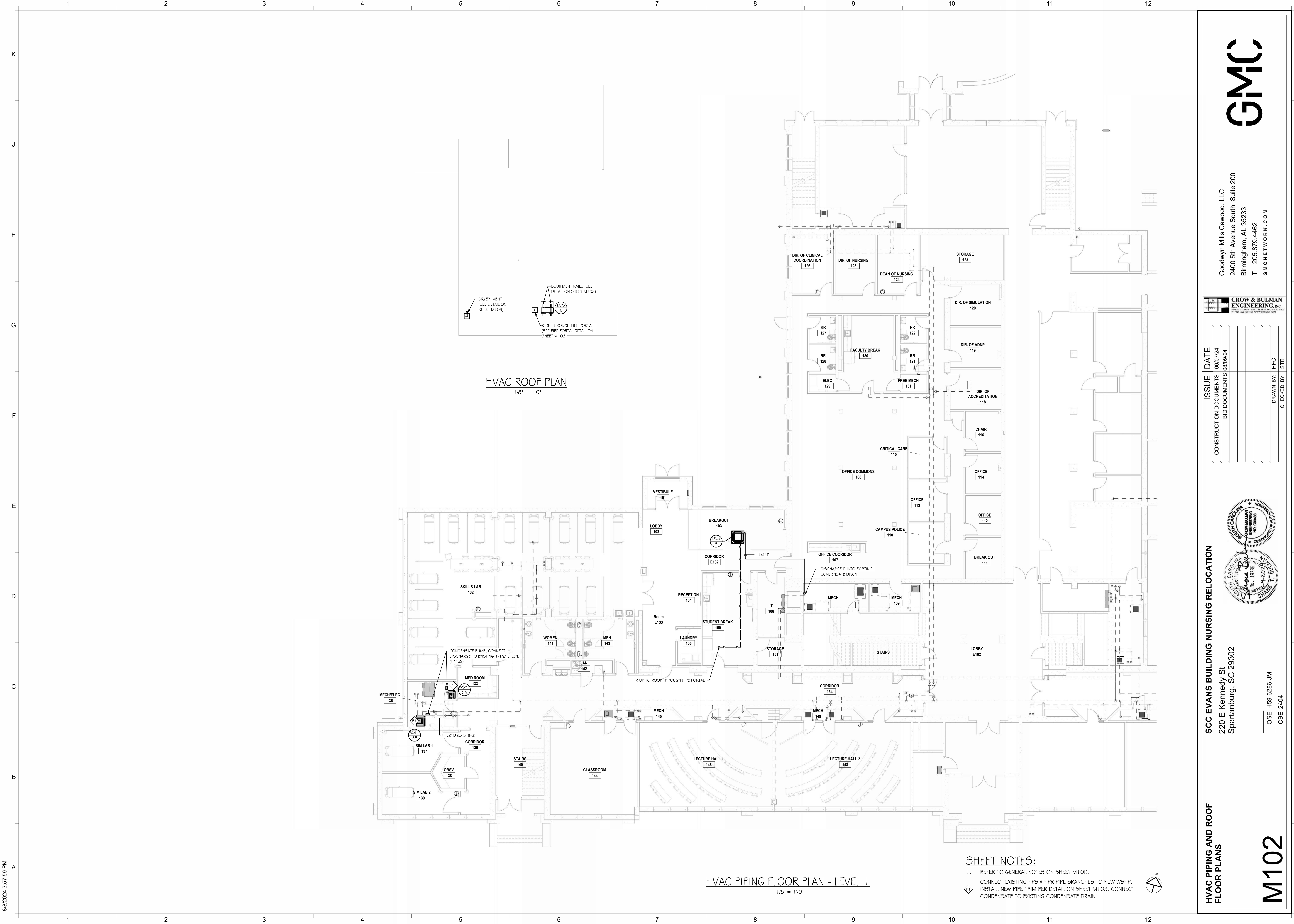
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HVAC FLOOR PLAN

M101



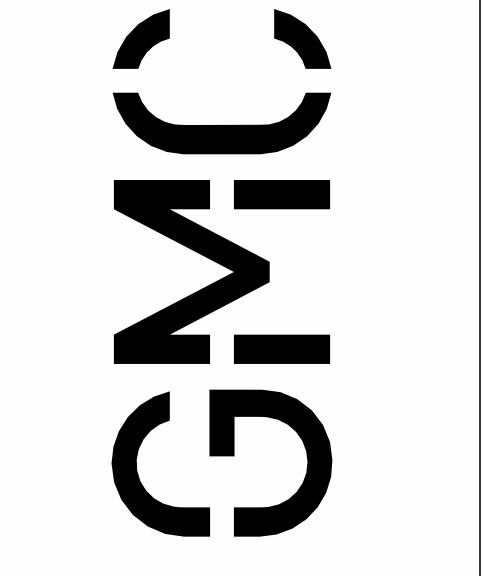
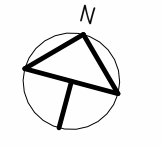


HVAC ROOF PLAN
1/8" = 1'-0"

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

SHEET NOTES:

- REFER TO GENERAL NOTES ON SHEET M100.
- CONNECT EXISTING HPS & HPR PIPE BRANCHES TO NEW WSHF.
- INSTALL NEW PIPE TRIM PER DETAIL ON SHEET M103. CONNECT CONDENSATE TO EXISTING CONDENSATE DRAIN.



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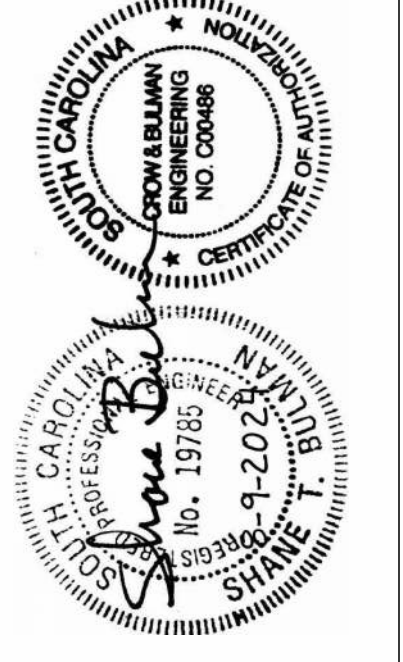


CONSTRUCTION DOCUMENTS	ISSUE	DATE
BID DOCUMENTS	06/07/24	
	08/09/24	

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SCC EVANS BUILDING NURSING RELOCATION

220 E Kennedy St
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HVAC PIPING AND ROOF FLOOR PLANS

M102

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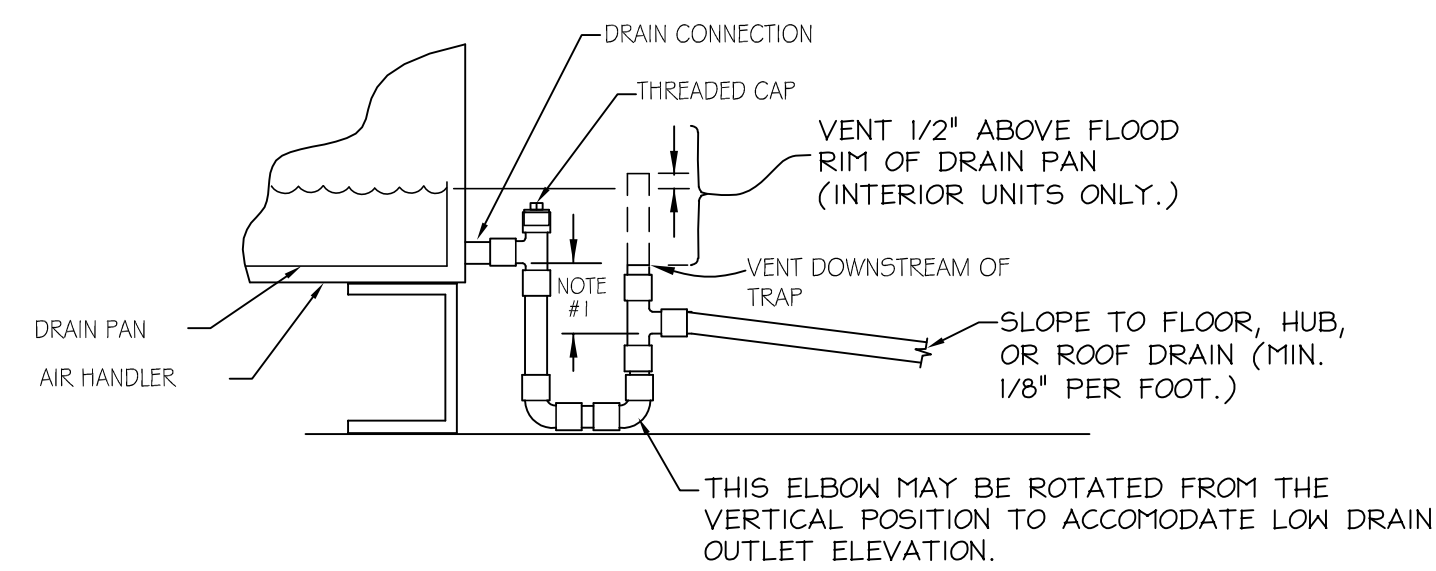
WATER SOURCE HEAT PUMP SCHEDULE																																													
Tag	Area Served	Configuration	Manufacturer	Model	Air Flow CFM	Ventilation Air (CFM)	ESP (in WC)	Motor HP	Cooling EAT DB F	Cooling EAT WB F	Cooling EWT F	Net Cooling Total MBH	Net Cooling Sensible MBH	S/T Ratio	Latent MBH	Heat Reject MBH	Cooling LAT DB (F)	Cooling LAT WB (F)	Cooling LWT F	Stages	EER @ AHRI	Heating EAT DB (F)	Heating EWT F (C)	Heating Total Capacity MBH	Heat Extract MBH	Heating LAT F	Heating LWT F	COP @ AHRI	Flow Rate GPM	Pressure Drop FT/HD	Branch Pipe and Trim Size	Control Valve Press. Drop (PSI)	Voltage	Total Unit FLA	Min Circ Amp	Max Fuse / HACR	Filter Housing	Air Purification Unit			Remarks	Tag			
WSHP- 3A	137 Sim Lab1 + Observ	Vertical	Trane	EX-G012	380	0	0.5	0.33	74.0	62.0	90.0	10.8	8.8	0.82	2.0	13.6	52.8	52.0	99.1	1	16.4	60.0	72.0	16.4	13.7	99.5	66.8	5.8	8.0	5.5	3/4"	2.0	265/1	5.30	7	15	12 x 24	GPS-FC48	1	24/240	10 W	(1)			WSHP- 3A
WSHP- 3B	139 Sim Lab2	Vertical	Trane	EX-G030	850	0	0.5	0.75	74.0	62.0	90.0	28.8	28.8	0.78	1.5	35.6	50.5	49.8	99.5	1	17.8	60.0	72.0	40.3	33.3	103.3	63.1	5.8	7.5	4.1	1-1/4"	2.0	460/3	5.80	7	15	24 x 24	GPS-FC48	1	24/240	10 W	(1)			WSHP- 3B

NOTES:
 -SEE SPECIFICATIONS FOR FILTER HOUSING REQUIREMENTS
 -SEE HVAC PLANS FOR RIGHT OR LEFT HAND UNIT CONFIGURATION
 -EXTERNAL STATIC PRESSURE INCLUDES DUCT LOSSES PLUS DIRTY FILTER DROP
 -EER AND COP VALUES ARE BASED ON ASHRAE/AHRI/ISO 13256-1, WITH ENTERING CONDITIONS OF 80.6 F DB AND 65.2 F WB, ENTERING WATER CONDITIONS AT 66 F
 -ALL UNITS TO HAVE EC MOTORS
 -PROVIDE ALL UNITS WITH 24V TERMINAL STRIP FOR CONNECTION TO APPLICATION SPECIFIC CONTROLLER PROVIDED BY CONTROLS VENDOR.

REMARKS (1) PROVIDE WITH CONDENSATE PUMP WITH SAFETY SWITCH. (SEE SPECIFICATIONS) CONNECT TO DISCHARGE PIPING TO EXISTING CONDENSATE PIPE MAIN.

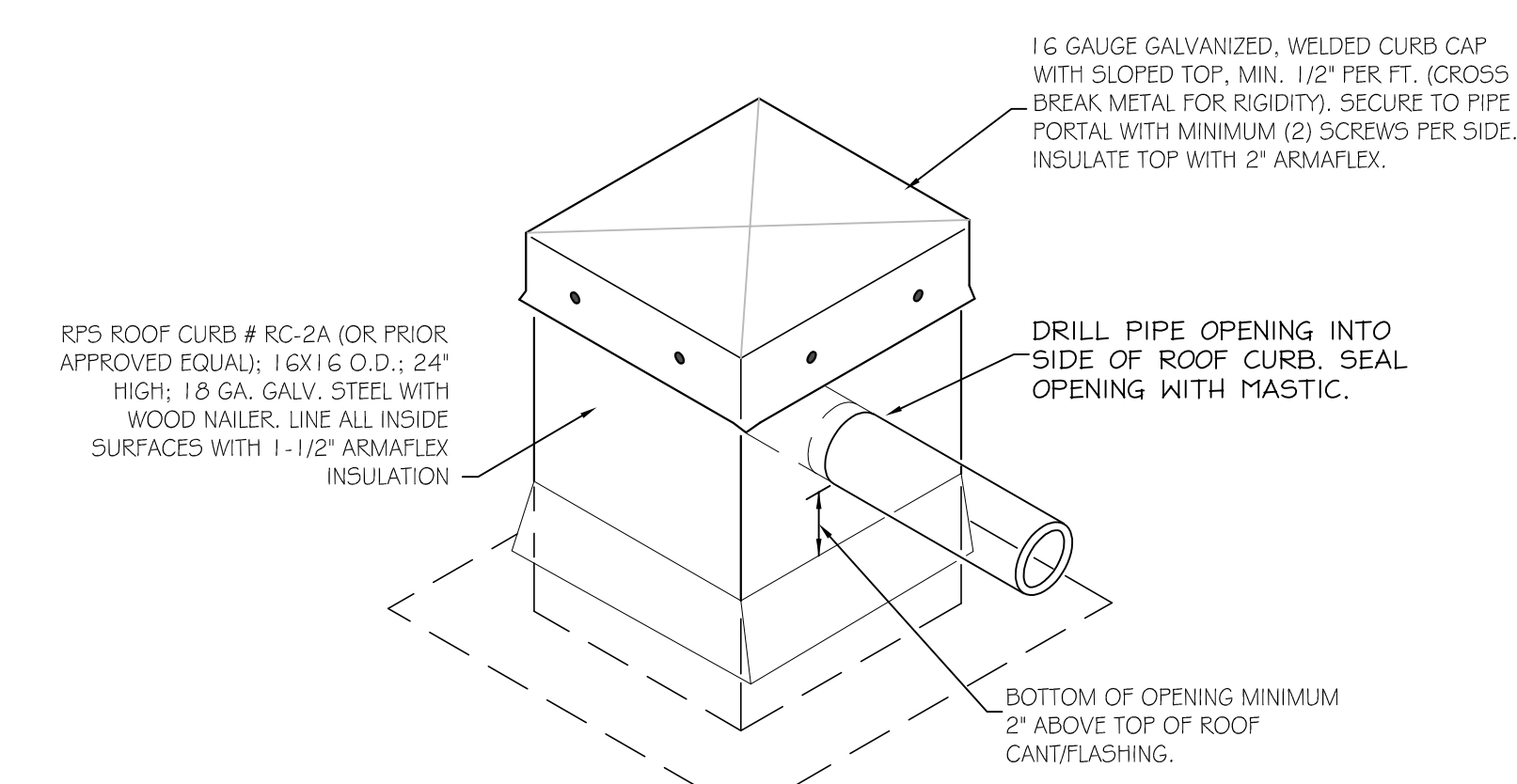
DUCTLESS SPLIT SYSTEM SCHEDULE																				
TAG	TYPE	AIR HANDLING UNIT				COOLING CAPACITY				HEATING CAPACITY				CONDENSING UNIT				REFRIG. UNITS		REMARKS
		CFM	VOLTAGE	MFR. # MODEL	MOUNTING	DB AMB	SH	TC	MBH	COP	KW	SEER	VOLT	M.C.A.	MFR. # MODEL	LIQ.	GAS			
D55-5	HEAT PUMP	810	24V DC	MITSUBISHI TRUA0241	CEILING CASSETTE	80/67	95	0.66	15	26.0	4.35	24.7	14.5	208V	19	25	MITSUBISHI TRUA0241	3/8	5/8	

D55 NOTES/REMARKS:
 • MANUFACTURER SHALL CONFIRM REFRIGERANT LINE SIZING BASED ON ACTUAL REFRIGERANT LINE LENGTHS AND FITTINGS
 • PROVIDE ALL UNITS WITH WIRE, WALL MOUNTED THERMOSTATS
 • PROVIDE ALL CONDENSING UNITS WITH HAIL GUARD.
 • PROVIDE ALL UNITS WITH INTESIS BACKET INTERFACE TO ALLOW EMS TO CONTROL/MONITOR D/OFF, SPACE TEMP, ERROR CODES, MODE, AND TEMPERATURE SETPOINT.
 • PROVIDE ALL CEILING CASSETTE UNITS WITH FACTORY CONDENSATE PUMP AT AIR HANDLING UNIT.
 • ROOF RAILS FOR CONDENSERS SHALL BE WIND-RATED, UNLESS NOTED OTHERWISE.



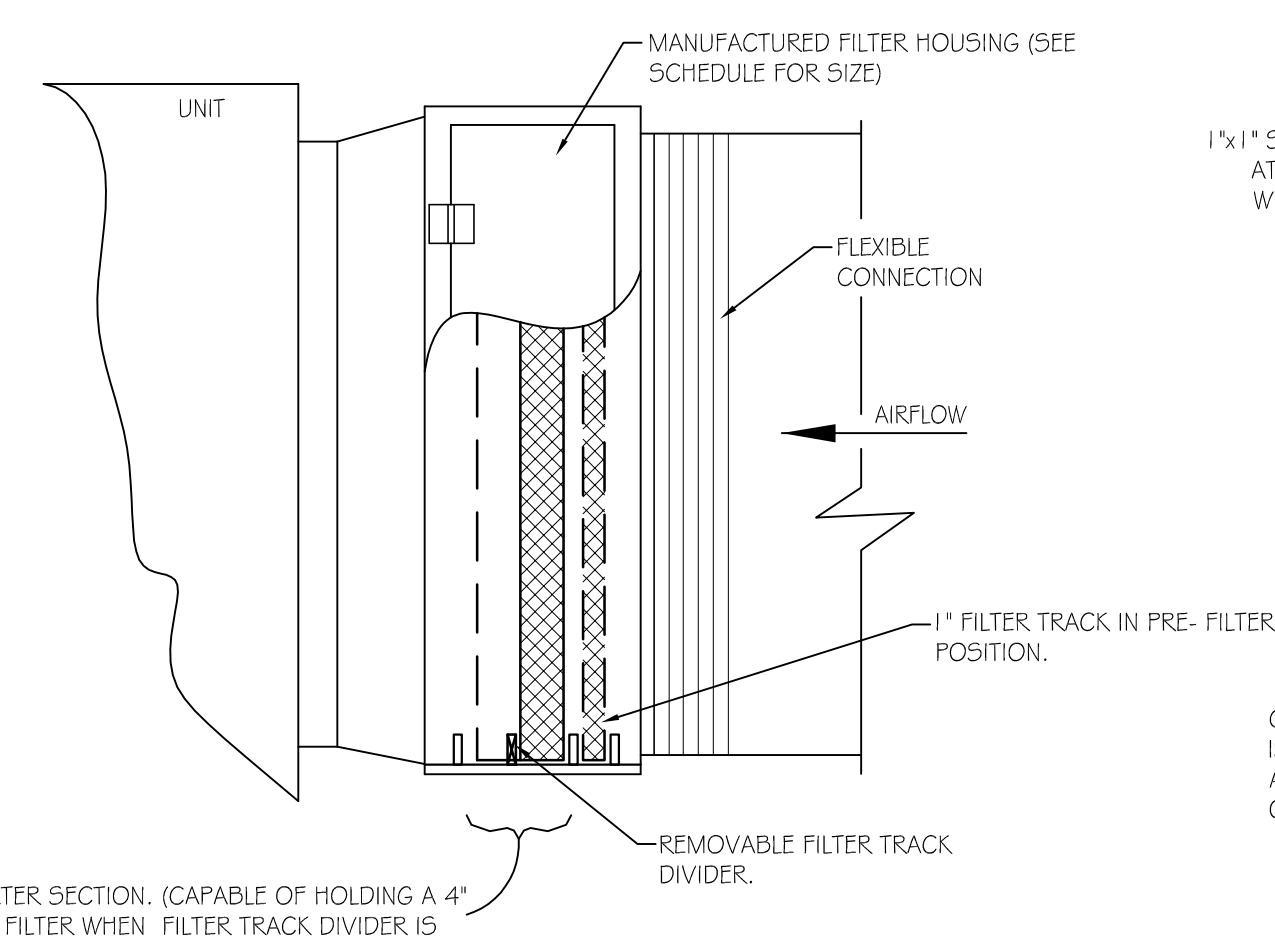
AIR HANDLER DRAIN TRAP AND VENT DETAIL
NO SCALE

NOTES:
 1.) DISTANCE SHALL BE 2" OR 1/2" GREATER THAN THE FAN SUCTION PRESSURE (WHICH EVER IS GREATER).
 2.) DRAIN SHALL BE COPPER TUBING OF SIZE NOTED OR EQUAL TO AIR HANDLER DRAIN CONNECTION.



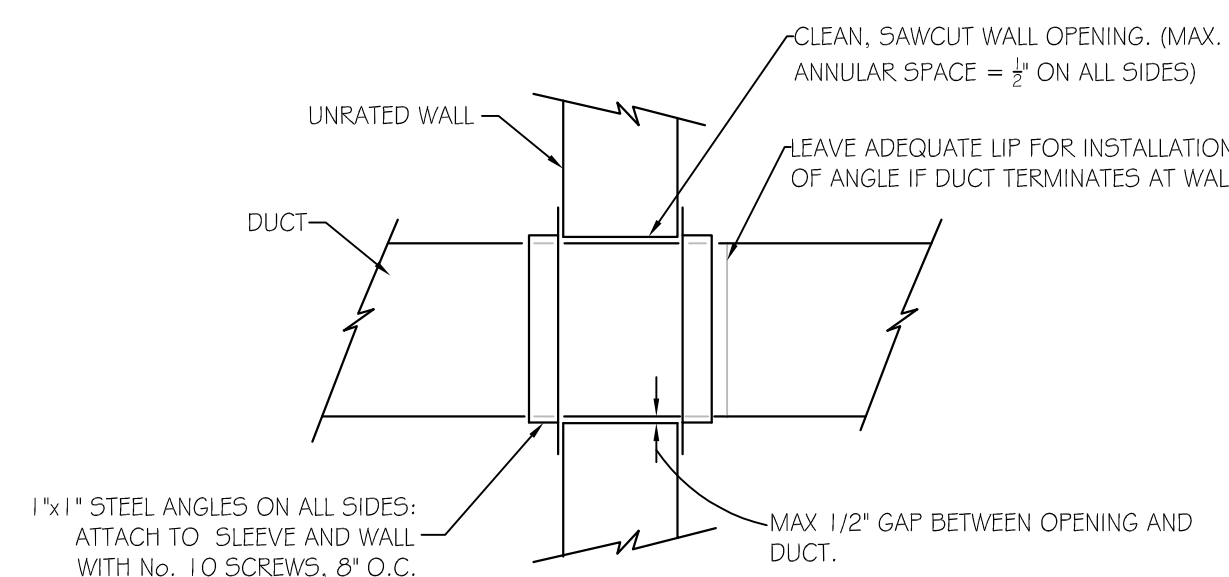
ROOF PIPE PENETRATION DETAIL
NO SCALE

NOTE: SEE FLOOR PLANS FOR NUMBER OF PIPE PORTALS REQUIRED AT EACH LOCATION. PROVIDE AN EXTRA SLEEVE FOR ELECTRICAL.



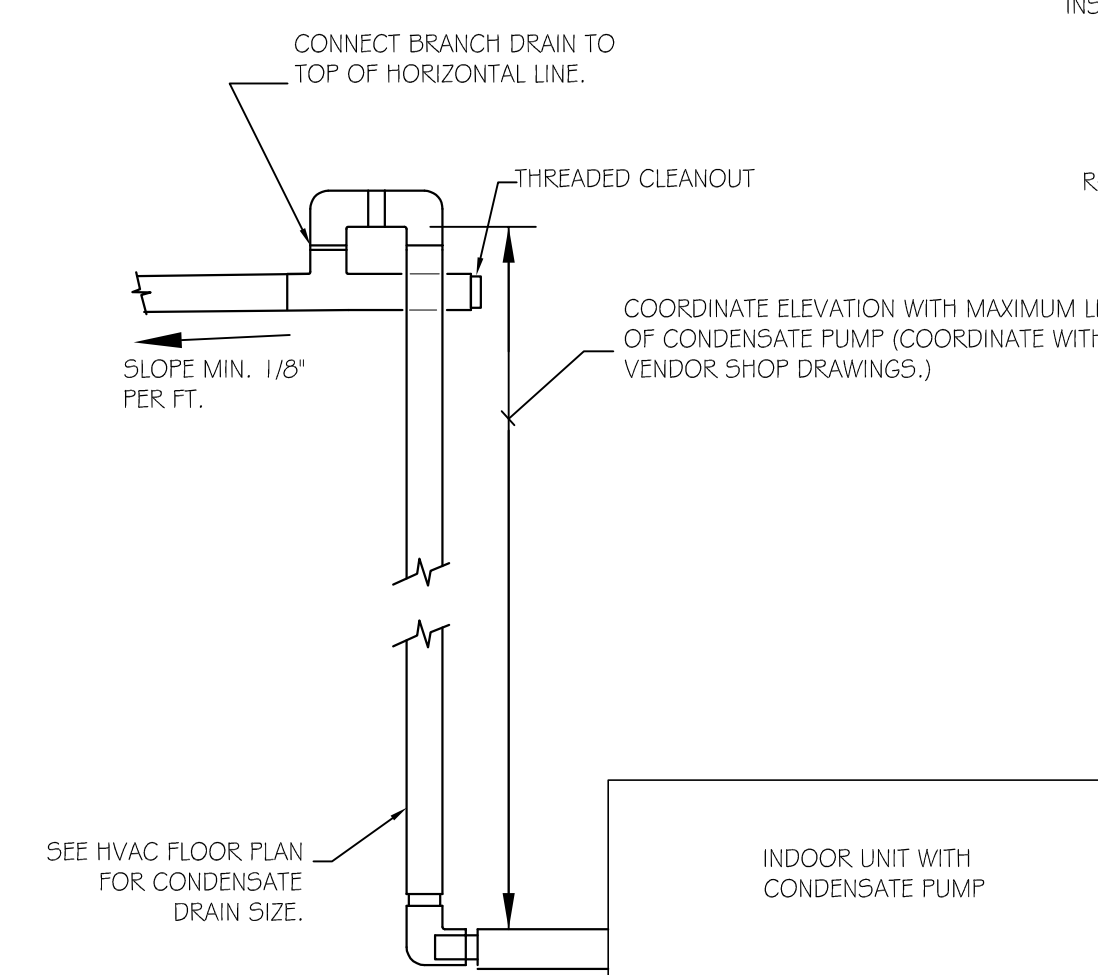
FILTER HOUSING DETAIL
NO SCALE

NOTE: SEE SPECIFICATIONS FOR TYPE AND SIZE FILTERS TO BE FURNISHED.



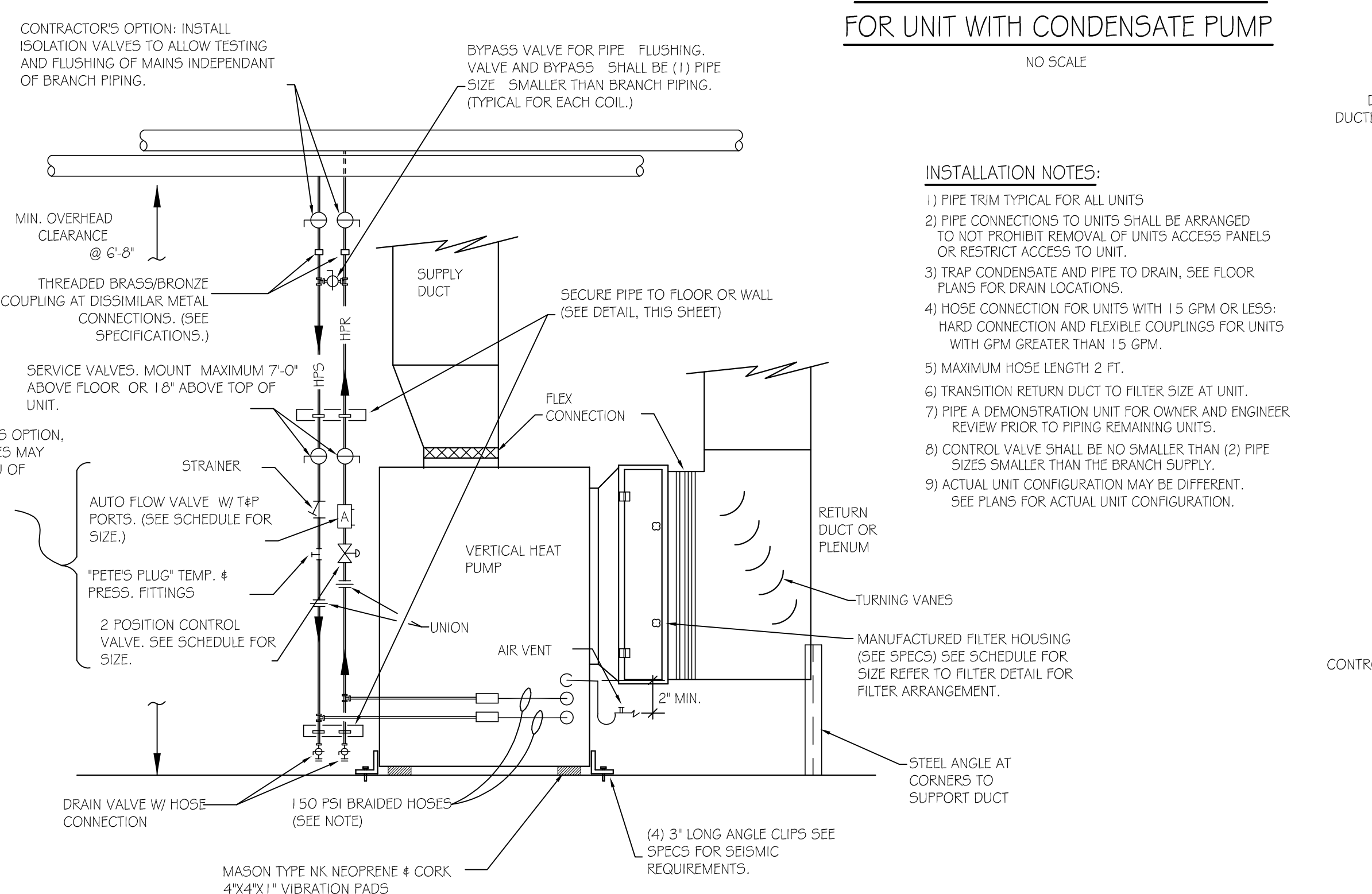
DUCT PENETRATIONS OF UNRATED WALLS
NO SCALE

NOTE: WHERE DUCT TERMINATES AT A WALL, AT CONTRACTOR'S OPTION, THE DUCT MAY TERMINATE FLUSH WITH THE WALL SURFACE WITH INVERTED MOUNTED 2'X2" ANGLE



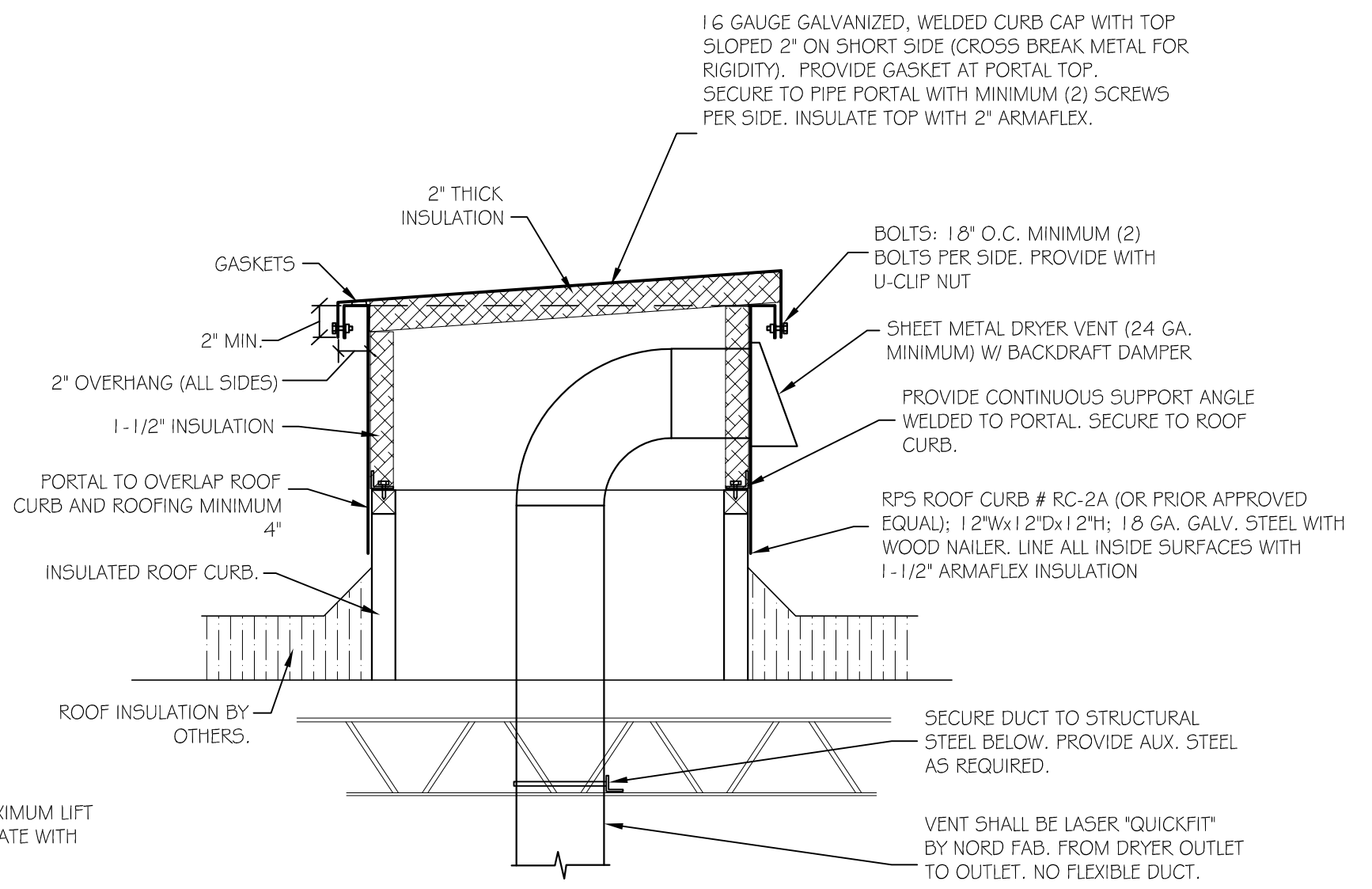
CONDENSATE DRAIN CONNECTION FOR UNIT WITH CONDENSATE PUMP
NO SCALE

INSTALLATION NOTES:
 1) PIPE TRIM TYPICAL FOR ALL UNITS
 2) PIPE CONNECTIONS TO UNITS SHALL BE ARRANGED TO NOT PROHIBIT REMOVAL OF UNITS ACCESS PANELS OR RESTRICT ACCESS TO UNIT.
 3) TRAP CONDENSATE AND PIPE TO DRAIN, SEE FLOOR PLANS FOR DRAIN LOCATIONS.
 4) HOSE CONNECTION FOR UNITS WITH 1.5 GPM OR LESS: HARD CONNECTION AND FLEXIBLE COUPLINGS FOR UNITS WITH GPM GREATER THAN 1.5 GPM.
 5) MAXIMUM HOSE LENGTH 2 FT.
 6) TRANSITION RETURN DUCT TO FILTER SIZE AT UNIT.
 7) PIPE A DEMONSTRATION UNIT FOR OWNER AND ENGINEER REVIEW PRIOR TO PIPING REMAINING UNITS.
 8) CONTROL VALVE SHALL BE NO SMALLER THAN (2) PIPE SIZES SMALLER THAN THE BRANCH SUPPLY.
 9) ACTUAL UNIT CONFIGURATION MAY BE DIFFERENT. SEE PLANS FOR ACTUAL UNIT CONFIGURATION.

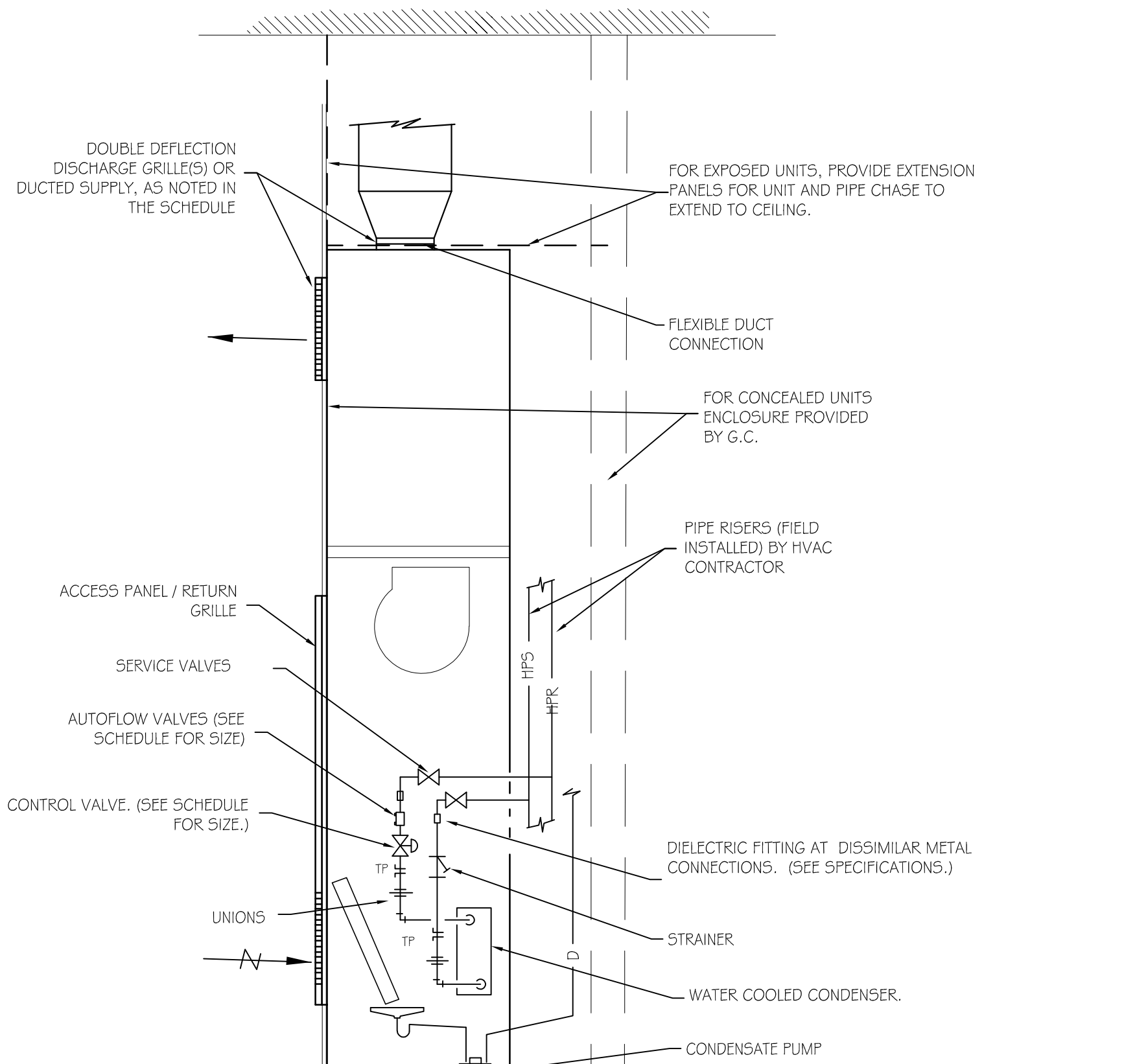


HEAT PUMP INSTALLATION DETAIL
NO SCALE

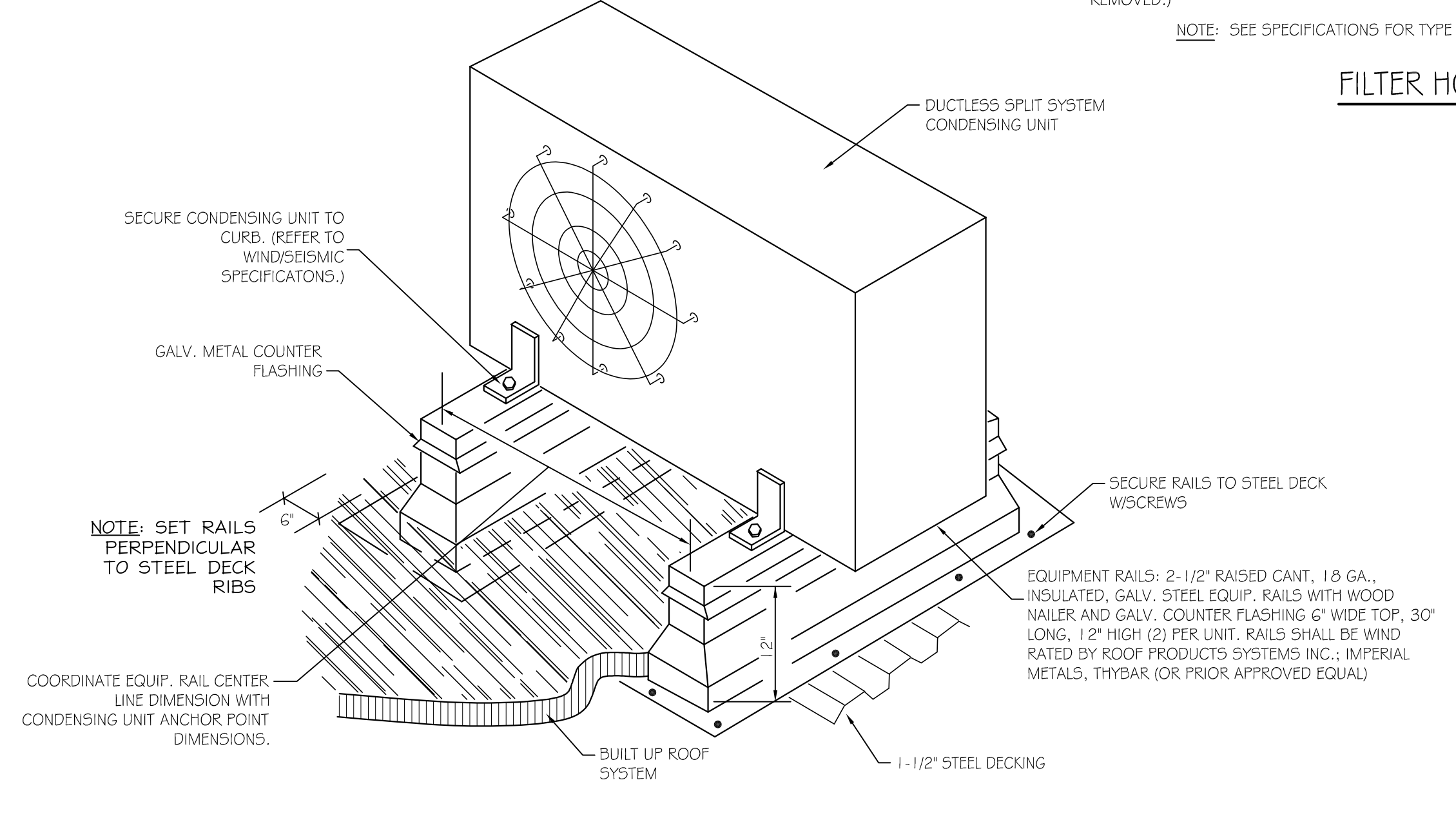
PIPING FOR VERTICAL STACK UNITS SIMILAR.



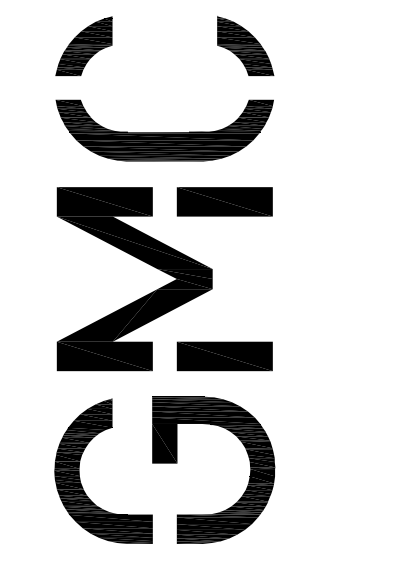
DRYER VENT ROOF OUTLET DETAIL (RESIDENTIAL STYLE DRYER)
NO SCALE



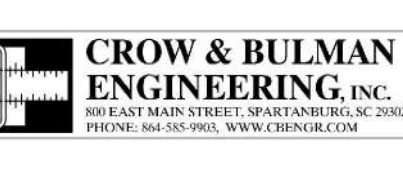
VERTICAL STACK WATER SOURCE HEAT PUMP
NO SCALE



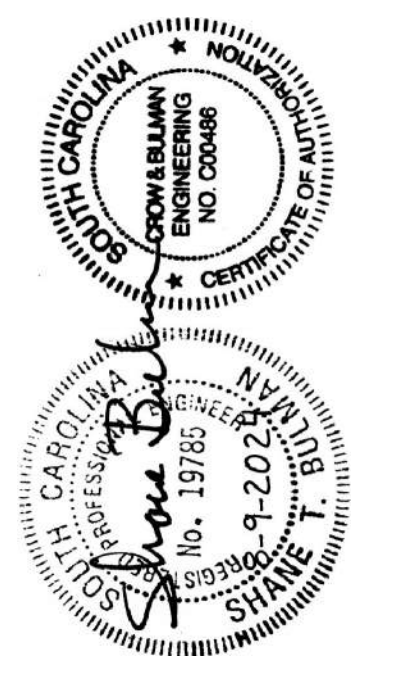
ROOF MOUNTING DETAIL FOR D55 CONDENSING UNITS
NO SCALE



Goodyrn Mills Cawood, LLC
 2400 5th Avenue South, Suite 200
 Birmingham, AL 35233
 T 205.879.4462
 GMCNETWORK.COM

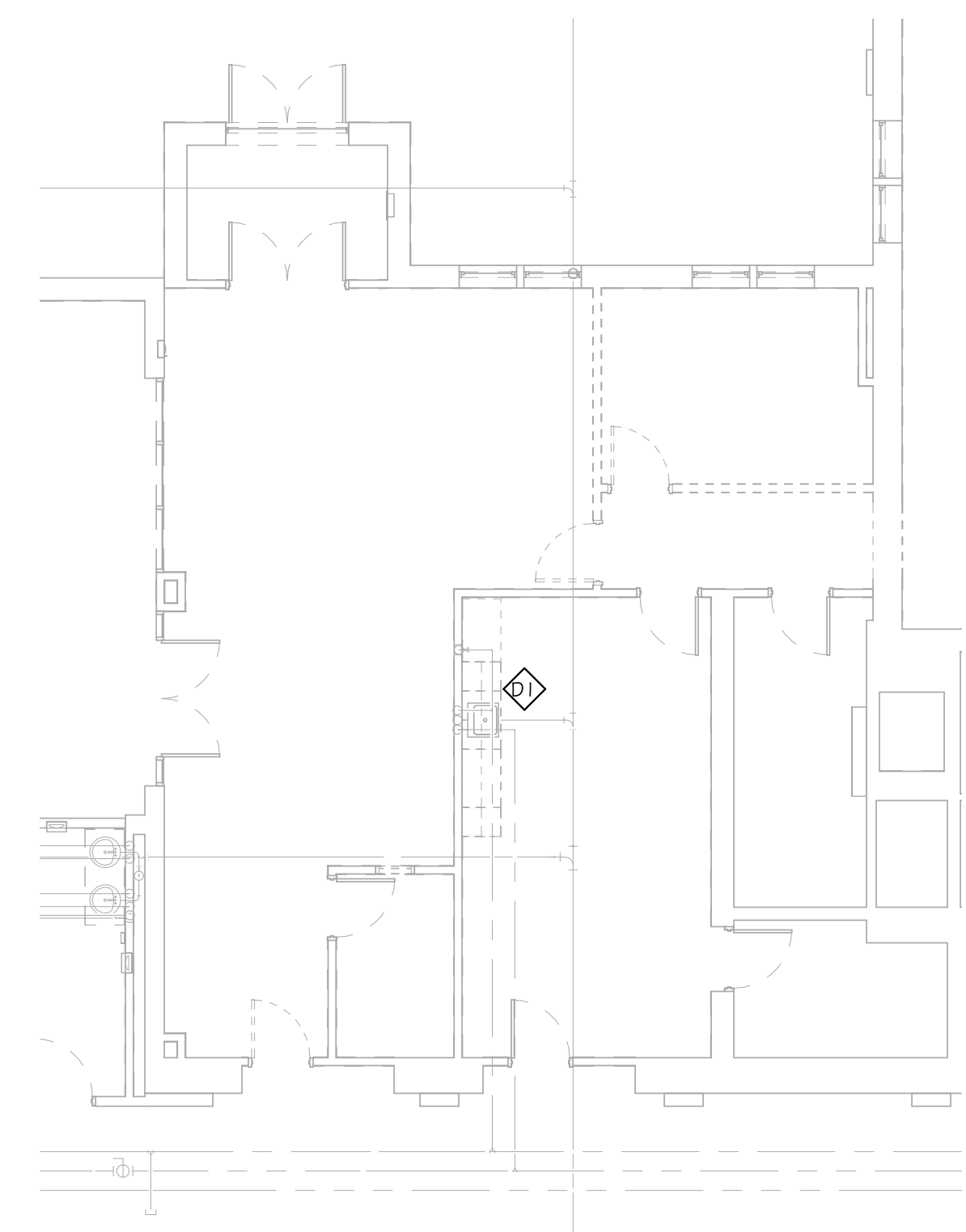


BID DOCUMENTS	ISSUE DATE	ISSUE	DATE
	08/09/24		



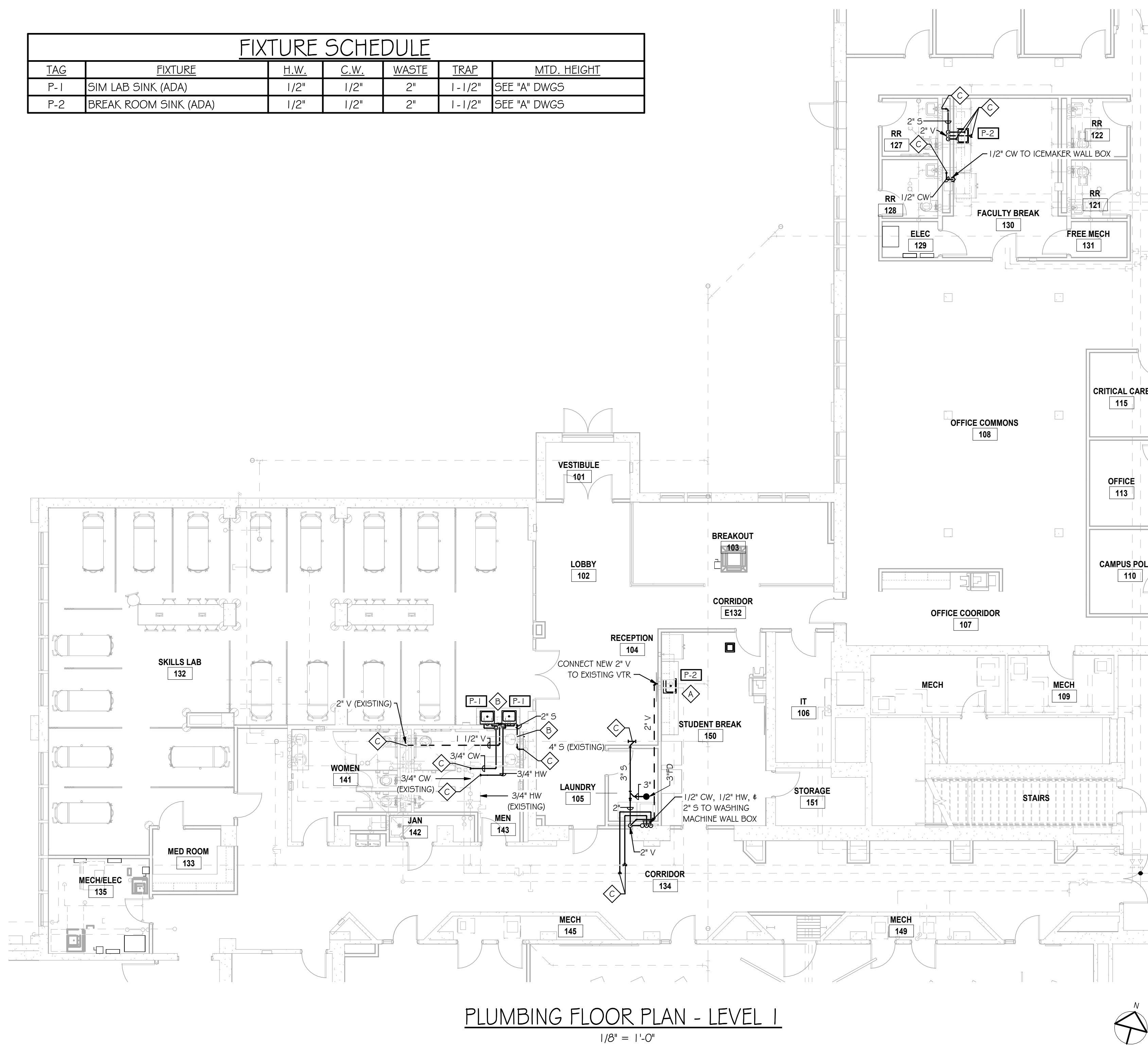
SCC EVANS BUILDING NURSING RELOCATION
 220 E Kennedy St
 Spartanburg, SC 29302
 OSE H59-6286-JM
 CBE 2404

HVAC SCHEDULES & DETAILS
 M103



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

FIXTURE SCHEDULE						
TAG	FIXTURE	H.W.	C.W.	WASTE	TRAP	MTD. HEIGHT
P-1	SIM LAB SINK (ADA)	1/2"	1/2"	2"	1-1/2"	SEE "A" DWGS
P-2	BREAK ROOM SINK (ADA)	1/2"	1/2"	2"	1-1/2"	SEE "A" DWGS



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

DEMOLITION NOTES:

- REFER TO GENERAL NOTES ON THIS SHEET.
- DEMOLISH EXISTING SINK. PROTECT SUPPLY STOPS AND WASTE ROUGH-IN FOR RECONNECTION.

GENERAL NOTES:

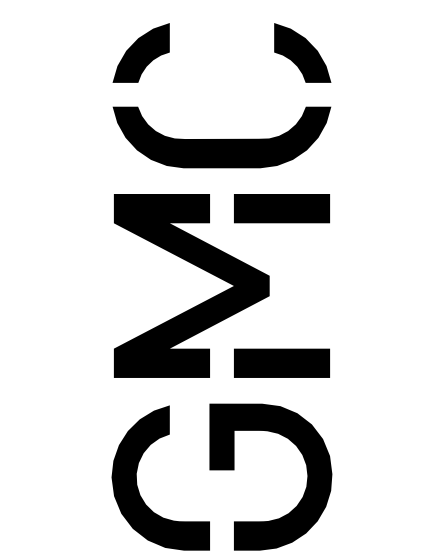
- ALL SEWER FLOOR CLEAN-OUTS SHALL TURN UP TO GRADE/SLAB WITH A LONG SWEEP ELL.
- ALL FLOOR DRAINS AND HUB DRAINS SHALL HAVE DEEP SEAL TRAPS (MINIMUM 4" SEAL).
- DO NOT INSTALL PLUMBING VENTS WITHIN 1'0" FROM A FRESH AIR INTAKE VENT.
- WHERE SEWER LINES ARE ROUTED BELOW THE STRUCTURAL FOOTINGS OR THROUGH FOUNDATION WALLS, PROVIDE A PIPE SLEEVE. THE SLEEVE SHALL BE A MINIMUM 2 PIPE SIZES LARGER THAN THE PIPE PASSING BELOW THE FOOTING.
- WHERE PLUMBING LINES PENETRATE A WALL OR WHERE PLUMBING LINES EXTEND THROUGH FLOOR SLABS AND OR THICKENED SLABS, THE PLUMBING LINE SHALL BE INSULATED WITH 3/4" THICK ARMAFLEX INSULATION.
- INSTALL A FLEXIBLE RUBBER VALVE INSERT IN ADDITION TO THE DEEP SEAL TRAP ON ALL FLOOR DRAINS.
- PROTECT ALL PENETRATIONS OF NON-FIRE RESISTANCE RATED ASSEMBLIES WITH AN APPROVED NON-COMBUSTIBLE MATERIAL TO RESIST THE PASSAGE OF FLAME AND SMOKE.

SYMBOLS

- SEWER OR WASTE
- - - - VENT (OR EXIST. PIPE IF NOTED)
- POTABLE COLD WATER (CW)
- POTABLE HOT WATER (HW)
- HOT WATER PUMPED RETURN
- BALL VALVE
- UNION
- CHECK VALVE
- GLOBE VALVE
- CLEANOUT
- FD FLOOR DRAIN
- VTR VENT THRU ROOF
- SA SHOCK ABSORBER
- O/H OVER HEAD
- U/G UNDERGROUND
- TG TRAP GUARD VALVE (SEE SPECIFICATIONS)
- AAV AIR ADMITTANCE VALVE

SHEET NOTES:

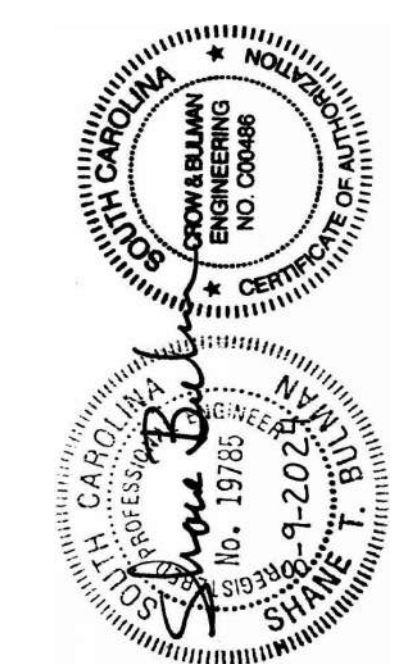
- REFER TO GENERAL NOTES ON THIS SHEET
- CONNECT NEW PLUMBING FIXTURE TO EXISTING FIXTURE SUPPLY AND WASTE ROUGH-INS.
- ROUTE WASTE PIPING THROUGH SINK, CABINET BASE, PENETRATE WALL TO MEN 143 AND ROUTE WASTE PIPING THROUGH LAVATORY CABINET BASE. CONNECT WASTE PIPING TO LAVATORY WASTE. FIELD VERIFY EXISTING PIPE SIZE AND LOCATION.
- CONNECT TO EXISTING PIPING. FIELD VERIFY SIZE AND LOCATION.



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ISSUE	DATE	DESCRIPTION	DRAWN BY:	CHECKED BY:
CONSTRUCTION DOCUMENTS	06/07/24			
BID DOCUMENTS	08/09/24		HFC	STB



SCC EVANS BUILDING NURSING RELOCATION
220 E Kennedy St
Spartanburg, SC 29302

OSE H69-6286-JM
CBE 2404

PLUMBING NOTES & PLANS

P100

8/8/2024 3:54:38 PM

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE 2020 VERSION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES, LAWS, AND ORDINANCES, WHERE ONE CODE DIFFERS FROM ANOTHER, THE STRICTER OF THE TWO SHALL APPLY.
- IT IS THE DUTY OF THE ELECTRICAL CONTRACTOR TO BE FAMILIAR WITH THE CONSTRUCTION DETAILS OF THE BUILDING. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SYSTEM WITH ALL OTHER TRADES AND SHALL COMPLETE THE ELECTRICAL INSTALLATION AS SOON AS CONDITIONS WILL ALLOW.
- ALL WORK SHALL BE DONE IN A NEAT, QUALITY MANNER WITH ALL WIRING AND RACEWAYS CONCEALED.
- ALL ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC IN NATURE. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES WORKING ON THE PREMISES.
- ELECTRICAL CONTRACTOR SHALL CONTACT THE ARCHITECT AFTER INSTALLATION OF ALL SWITCH, RECEPTACLE, TELEPHONE, TELEVISION, AND LIGHTING BOXES FOR AN ON-SITE REVIEW BEFORE ANY WIRING IS INSTALLED OR WALL SURFACES ARE COMPLETE. THE ARCHITECT MAY, AT THIS POINT, MAKE ADJUSTMENTS TO THE BOX LOCATIONS AS DESIRED.
- WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE, N.E.C. REQUIREMENTS AND THE FOLLOWING LIMITATIONS:
 - SIZE BRANCH CIRCUIT CONDUCTORS WITHIN THE FOLLOWING MAXIMUM LENGTH LIMITS: (MEASURE TO THE CENTER OF THE LOAD FOR LIGHTING CIRCUITS AND THE MOST REMOTE OUTLET FOR RECEPTACLE CIRCUITS)

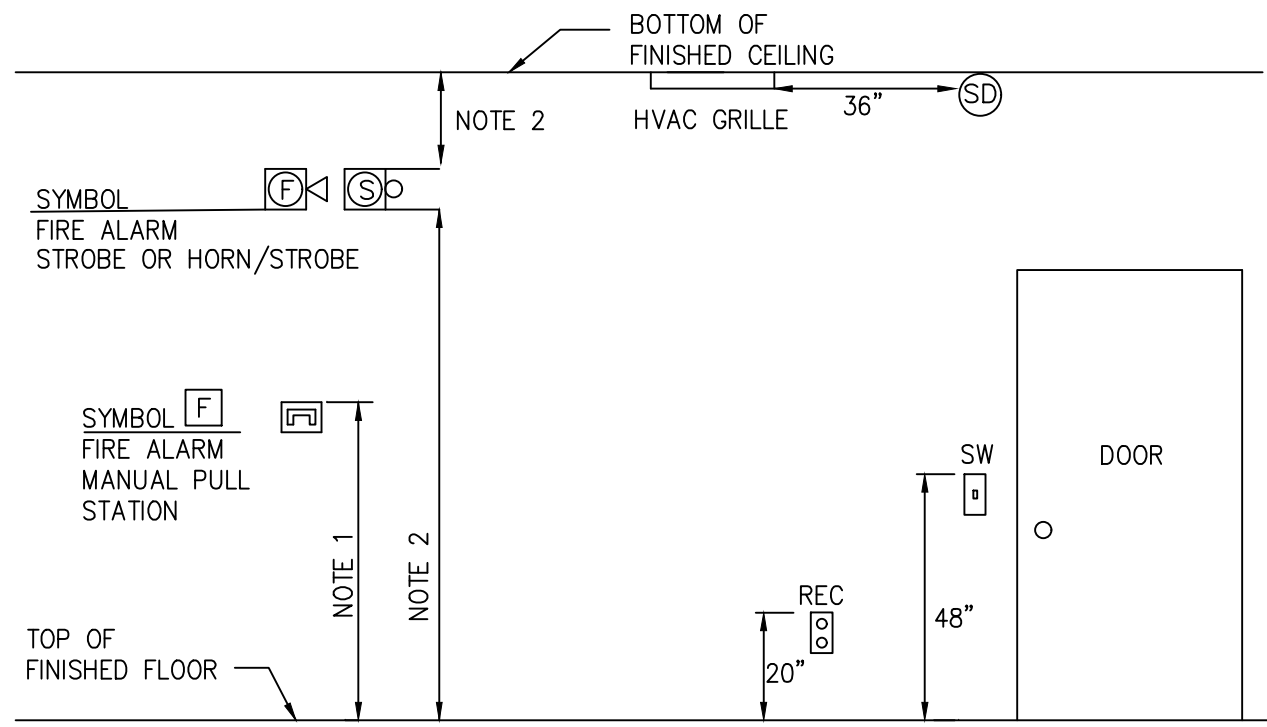
	#12	#10	#8	#6
120V., 20A.	85'	110'	165'	270'
277V., 20A.	160'	250'	390'	600'
- THIS PROJECT TO MEET NFPA 72 AND ADA REQUIREMENTS REGARDING MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- RECESSED LIGHTING FIXTURES MUST HAVE 1/2" CLEARANCE FROM COMBUSTIBLE MATERIALS AND 3" CLEARANCE FROM INSTALLATION OR BE IC RATED PER ARTICLE 410.116 (A) 1 AND 2 AND 410.116 (B) OF THE 2020 NEC.
- DURING CONSTRUCTION OPERATIONS, THE ELECTRICAL CONTRACTOR SHALL FAITHFULLY MAKE A RECORD OF ALL APPROVED CHANGES FROM THE CONTRACT DRAWINGS, INCLUDING ACCURATE DIMENSIONS WHERE APPLICABLE, AND SHALL ALSO RECORD ACCURATE DIMENSIONS LOCATING ALL BELOW-GRADE OUTSIDE ELECTRICAL UTILITIES (WHETHER CHANGED OR NOT) WITH REFERENCE TO PERMANENT ABOVE-GRADE OBJECTS. AT THE COMPLETION OF THE WORK ALL SUCH CHANGES SHALL BE RECORDED NEATLY IN RED INK BY THE ELECTRICAL CONTRACTOR ON AN UNUSED SET OF THE ELECTRICAL CONTRACT DRAWINGS SUPPLIED BY THE ARCHITECT. THE RED LINE CHANGES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND THE COMPLETED RECORD PRINTS RETURNED TO THE ARCHITECT.
- MINIMUM SIZE CONDUIT FOR 20A CIRCUITS IS 3/4" CONDUIT FOR METALLIC AND PVC CONDUIT. MC CABLE IS PERMISSIBLE FOR LIGHT FIXTURE WHIPS ONLY (LESS THAN 6 FEET) PROVIDED THAT THEY ARE FURNISHED BY THE LIGHTING MANUFACTURER.
- ALL PRE-WIRED EQUIPMENT MUST BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY PER ARTICLE 110.3 (A AND B) OF THE 2020 NEC.
- THE TERMINATION PROVISIONS OF EQUIPMENT MUST BE USED IN DETERMINING THE AMPACITIES OF CONDUCTORS BASED ON TABLE 310.16 REGARDLESS OF THE INSTALLATION RATING OF THE CONDUCTORS PER ARTICLE 110.14 (C) 1 AND 2 OF THE 2020 NEC.
- FLASH PROTECTION WARNING LABELS REQUIRED ON SWITCHBOARDS, PANEL BOARDS, AND MOTOR CONTROL CENTERS PER ARTICLE 110.16 OF THE 2020 NEC.
- SPACES ABOUT ELECTRICAL EQUIPMENT MUST MEET 110.26 (A THROUGH F) ARTICLE 2020 NEC.
- RACEWAYS AND CABLES INSTALLED ABOVE SUSPENDED CEILING REQUIRED TO HAVE INDEPENDENT SUPPORT WIRES. CEILING GRID WIRES CANNOT BE USED TO SUPPORT RACEWAY AND CABLES UNLESS CEILING GRID IS RATED FOR SUPPORT PER ARTICLE 300.11 OF THE 2020 NEC.
- TYPE NM, NMC AND NMS CABLES CANNOT BE USED ABOVE SUSPENDED CEILING PER ARTICLE 334.12 OF THE 2020 NEC.
- FLEXIBLE CORDS CANNOT BE USED AS A SUBSTITUTE FOR FIXED WIRE OR CONCEALED ABOVE SUSPENDED CEILING PER ARTICLE 400.8 (1) AND (5) PER THE 2020 NEC.
- INDIVIDUAL UNIT EQUIPMENT USED FOR EXIT SIGNS AND EMERGENCY LIGHTS THAT USES A RECHARGEABLE BATTERY MUST BE SUPPLIED BY THE CIRCUIT THAT SUPPLIES THE NORMAL LIGHTING FOR THAT AREA PER ARTICLE 700.12 (F) AND 700.17 OF THE 2020 NEC.

POWER LEGEND

	20A, 125V, 2P, NEMA 5-20R DUPLEX RECEPTACLE MOUNTED IN SINGLE GANG DEVICE BOX, MOUNT 20" AFF TO TOP OF DEVICE BOX UNLESS NOTED OTHERWISE
	20A, 125V, 2P, 3W, NEMA 5-20R DUPLEX RECEPTACLE MOUNTED IN SINGLE GANG DEVICE BOX, MOUNTED ABOVE TOP OF AND COORDINATED WITH COUNTERTOP
	FED-SPEC GRADE USB CHARGER INTEGRAL TO TAMPER-RESISTANT DUPLEX RECEPTACLE MOUNTED IN SINGLE GANG DEVICE BOX. REFER TO ARCHITECTURAL MILLWORK DRAWINGS. PROVIDE WIREMOLD #1R526205B-FINISH OR APPROVED EQUAL.
	QUADPLEX OUTLET, 2 DUPLEX RECEPTACLES MOUNTED IN TWO GANG DEVICE BOX, MOUNT 20" AFF TO TOP OF DEVICE BOX UNLESS NOTED OTHERWISE
	FED-SPEC GRADE USB CHARGER INTEGRAL TO TAMPER-RESISTANT QUADPLEX RECEPTACLE MOUNTED IN TWO GANG DEVICE BOX, MOUNT 20" AFF UNLESS NOTED OTHERWISE. PROVIDE WIREMOLD #1R526205B-FINISH OR APPROVED EQUAL.
G	ADJACENT TO RECEPTACLE, DENOTES GROUND FAULT INTERRUPTER RECEPTACLE (FEED THRU TYPE).
WP	ADJACENT TO RECEPTACLE, INDICATES WEATHERPROOF IN-USE TYPE COVER TO BE INSTALLED.
WR	ADJACENT TO RECEPTACLE, INDICATES WEATHER RESISTANT TYPE RECEPTACLE.
	TYPICAL DATA/COMM OUTLET DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD RING, ROUTE 3/4 INCH CONDUIT ABOVE CEILING TO WIRE TRAY. PROVIDE PULL STRING, COMMUNICATIONS CONTRACTOR TO PROVIDE FACE PLATE, WIRING, AND TINAL CONNECTIONS.
	2 (2) DATA JACKS, (2) CAT6A ETHERNET MODULES, AND (2) PLENUM RATED CAT6A CABLES.
	SAME AS SINGLE DATA OUTLET ABOVE EXCEPT (3) DATA JACKS, (3) CAT6A ETHERNET MODULES, AND (2) PLENUM RATED CAT6A CABLES.
	SAME AS SINGLE DATA OUTLET ABOVE EXCEPT (4) DATA JACKS, (4) CAT6A ETHERNET MODULES, AND (4) PLENUM RATED CAT6A CABLES.
	JUNCTION BOX
	LIGHTING OR RECEPTACLE PANEL BOARD.
	NON-FUSED DISCONNECT SWITCH.
	FUSED DISCONNECT SWITCH, FUSED AS NOTED
FWE	ADJACENT TO DEVICE, DENOTES DISCONNECT SWITCH FURNISHED WITH EQUIPMENT BY MANUFACTURER.
	MOTOR STARTER OR VFD
	EXHAUST FAN, SEE MECHANICAL DRAWINGS FOR FAN SPECIFICATIONS. MOTOR, HORSE POWER AS SHOWN
	PLN (##) HOME-RUN TO PANEL BOARD.

ELECTRICAL INFORMATION

<input type="checkbox"/> By Utility	750 KVA Primary
<input checked="" type="checkbox"/> By College	12470V
ELECTRICAL SERVICE INFORMATION	
Service Voltage	12470V
Service Entrance Conductors Size	#1 AWG
Total Connected Load	360
Estimated Maximum Demand	300
Available Fault Current in Symmetrical Amperes	
Interrupting Capacity of Service Overcurrent Device	
GROUNDING ELECTRODE SYSTEM COMPONENTS (NEC 250)	Existing
EMERGENCY SERVICE INFORMATION	
Emergency Generator	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Fuel	
Exit/Emergency Lights Backup Power	<input checked="" type="checkbox"/> Integral Battery <input type="checkbox"/> Generator
Fire Alarm System	<input type="checkbox"/> Manual <input checked="" type="checkbox"/> Addressable <input checked="" type="checkbox"/> Automatic <input type="checkbox"/> Class A <input checked="" type="checkbox"/> Class B
LIGHTNING PROTECTION PROVIDED	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes



TYPICAL DEVICE MOUNTING HEIGHT
SCALE: NONE

MOUNTING NOTES:
1. MOUNT PULL STATION 4'-0" AFF TO THE TOP OF BOX.
2. MOUNT STROBE OR SPEAKER/HORN COMBINATION AT LEAST 80" AFF AND NOT MORE THAN 96" AFF. MOUNT DEVICE AT LEAST 6" DOWN FROM CEILING.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP	MANUFACTURER PART #	KELVIN	VOLTAGE	WATTAGE	MOUNTING	COMMENTS
A1	2'x4' RECESSED LED FLAT PANEL LUMEN/COLOR SELECTABLE (4400 LUMENS)	LED	COLUMBIA LIGHTING CATALOG #CB724-A-LSCS-EDD I.L.P. LIGHTING CATALOG #VPAN24-33L/44L/55L-U-CCTS H.E. WILLIAMS LIGHTING CATALOG #BP-24-LS/8CS-DIM-UNV	3500	277	38	RECESSED IN CEILING	
A1E	SAME AS FIXTURE TYPE "A1" ABOVE EXCEPT WITH BATTERY BACKUP INTEGRAL TO FIXTURE							
A2	2'x4' RECESSED LED FLAT PANEL LUMEN/COLOR SELECTABLE (5500 LUMENS)	LED	COLUMBIA LIGHTING CATALOG #CB724-A-LSCS-EDD I.L.P. LIGHTING CATALOG #VPAN24-33L/44L/55L-U-CCTS H.E. WILLIAMS LIGHTING CATALOG #BP-24-LS/8CS-DIM-UNV	3500	277	49	RECESSED IN CEILING	
A2E	SAME AS FIXTURE TYPE "A2" ABOVE EXCEPT WITH BATTERY BACKUP INTEGRAL TO FIXTURE							
B1	2'x4' RECESSED LED FLAT PANEL LUMEN/COLOR SELECTABLE (4400 LUMENS)	LED	COLUMBIA LIGHTING CATALOG #CB722-A-LSCS-EDD I.L.P. LIGHTING CATALOG #VPAN22-22L/33L/44L-U-CCTS H.E. WILLIAMS LIGHTING CATALOG #BP-22-LS/8CS-DIM-UNV	3500	277	39	RECESSED IN CEILING	
B1E	SAME AS FIXTURE TYPE "B1" ABOVE EXCEPT WITH BATTERY BACKUP INTEGRAL TO FIXTURE							
C1	6" LED RECESSED DOWNLIGHT (3000 LUMENS)	LED	PRESOLITE LIGHTING CATALOG #LFR-6RD-M-30L35K8-WD-DM1-LFR-6RD-R-SS HELIOS LIGHTING CATALOG #RR-30L-35K-AN H.E. WILLIAMS LIGHTING CATALOG #6DR-TL-L30/835-DM-UNV-DW-OF-CS-N-F1	3500	277	32	RECESSED IN CEILING	
C1E	SAME AS FIXTURE TYPE "C1" ABOVE EXCEPT WITH BATTERY BACKUP INTEGRAL TO FIXTURE							
EX1	THERMOPLASTIC LED EXIT SIGN WITH BATTERY BACKUP	LED	LIGHT ALARMS CATALOG #OLXNS00GN COMPASS LIGHTING CATALOG #CEG EMERG-LITE CATALOG #ELXW400-GN		277	3	SURFACE MOUNT PER MANUFACTURER	
EX2	TWO-SIDED THERMOPLASTIC LED EXIT SIGN WITH BATTERY BACKUP	LED	LIGHT ALARMS CATALOG #OLXNS00GN COMPASS LIGHTING CATALOG #CEG EMERG-LITE CATALOG #ELXW400-GN		277	3	SURFACE MOUNT PER MANUFACTURER	

LIGHTING FIXTURE SCHEDULE NOTES:

- LIGHTING FIXTURES MANUFACTURER SHALL BE PROVIDED AS SPECIFIED, UNLESS PRE-APPROVED DURING BIDDING BY THE ARCHITECT/ENGINEER.
- VERIFY VOLTAGE REQUIREMENTS WITH RESPECT TO FLOOR PLAN CIRCUITING AND PANEL SCHEDULES.
- VERIFY MOUNTING HEIGHTS ON ALL WALL AND SURFACE MOUNTED FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY ALL LUMINAIRE COLOR SELECTIONS WITH ARCHITECT PRIOR TO PURCHASING AND INSTALLING.



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617 East McBee Avenue Suite 200
Greenville, SC 29601
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ISSUE DATE
BID DOCUMENTS 08/09/2024

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CHECKED BY: HFB

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Spartanburg, SC 29302

OSE #69-6286-JM
GMC ACST240005



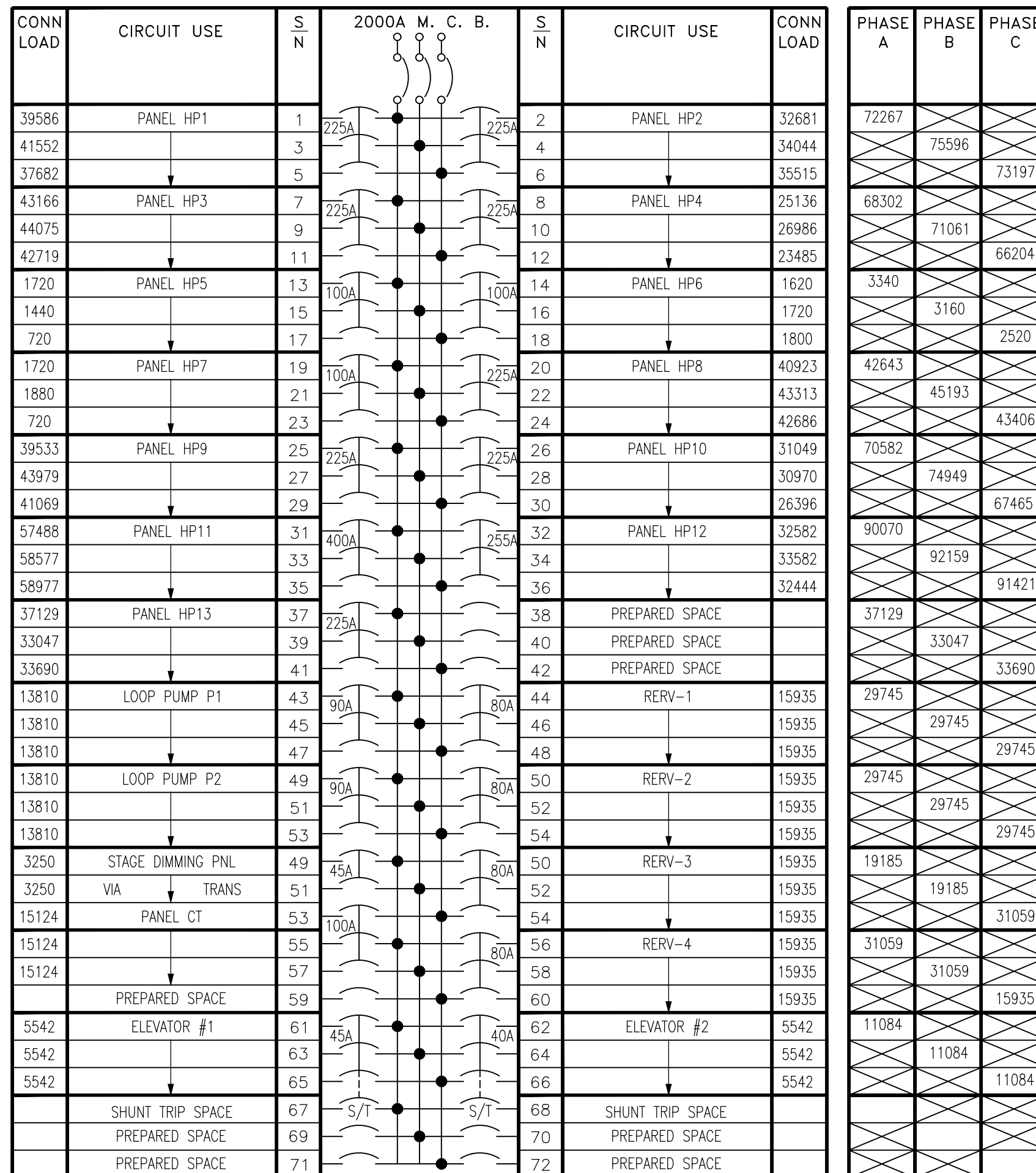
GENERAL NOTE, LEGEND & LIGHT FIXTURE SCHEDULE

E001

MATRIX ENGINEERING, INC.
912 South Pine Street
Spartanburg, South Carolina 29302
(864)583-6274
www.matrixel.com
PROJECT NUMBER: 2024-097

EXISTING SWITCHBOARD SW1

SQUARE D SWITCHBOARD
480/277 VOLT, 2000 AMP MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE
GROUND FAULT PROTECTION, 42KAIC, COPPER PLATED BUS, PROVIDE WITH 2000A POWER CIRCUIT BREAKER MAIN
PROVIDE EPM2200 METER WITH DATA CONNECTION FOR BUILDING MANAGEMENT SYSTEM MONITORING
PROVIDE TYPE 2 TVSS HE 125KA PER MODE/250KA PER PHASE, 200KAIC INTEGRAL TO SWITCHBOARD

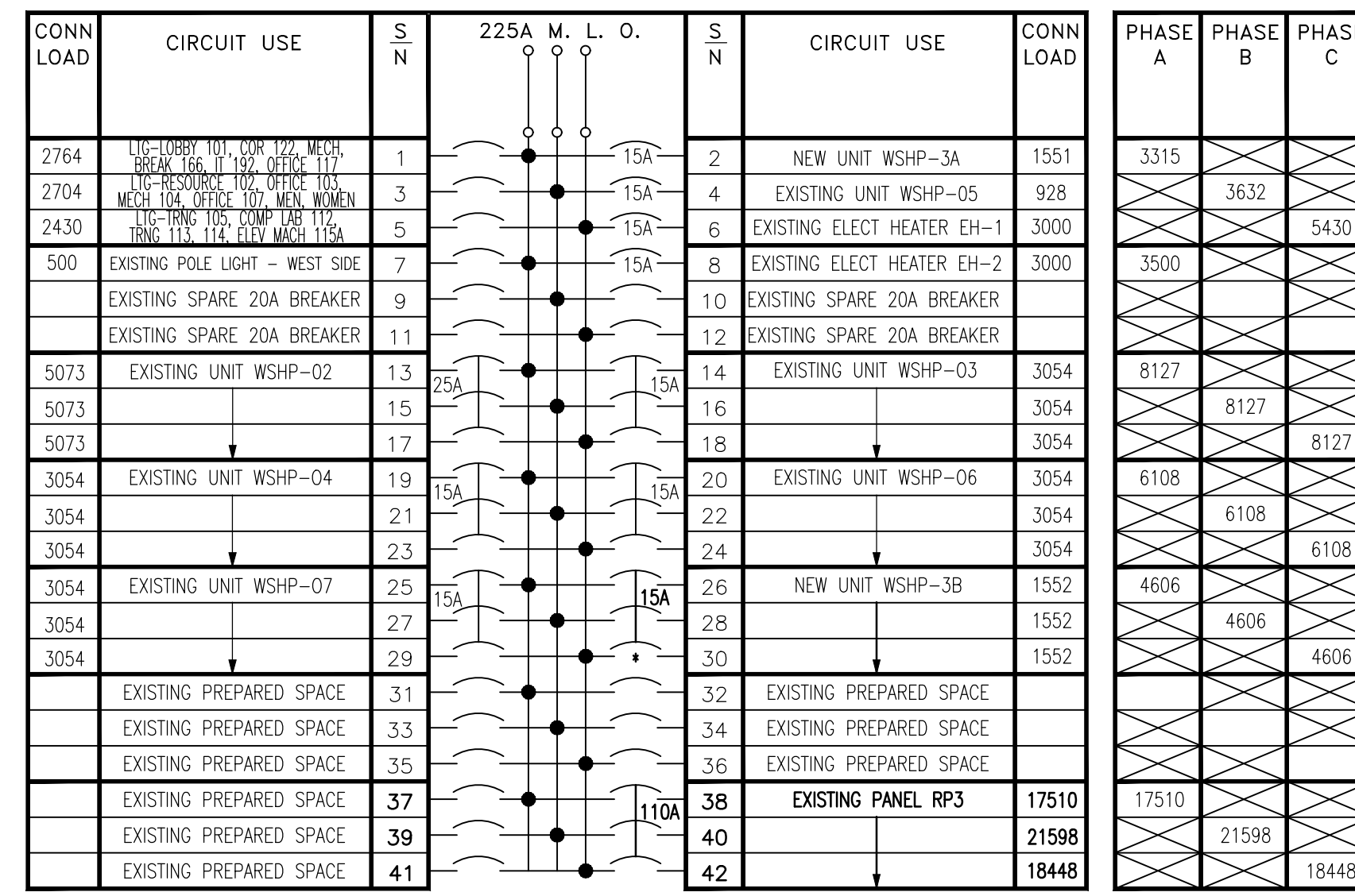


NOTES:
1. PROVIDE UPDATED TYPED PANEL SCHEDULE REFLECTING ANY ADDITIONS OR CHANGES.
2. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.

PHASE A	PHASE B	PHASE C
505151	51598J	495471
TOTAL VA 1516605		
CONNECTED AMPERAGE 1824 AMPERES		

EXISTING PANEL HP3

480/277 VOLT, 225 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE
SQUARE D TYPE NF

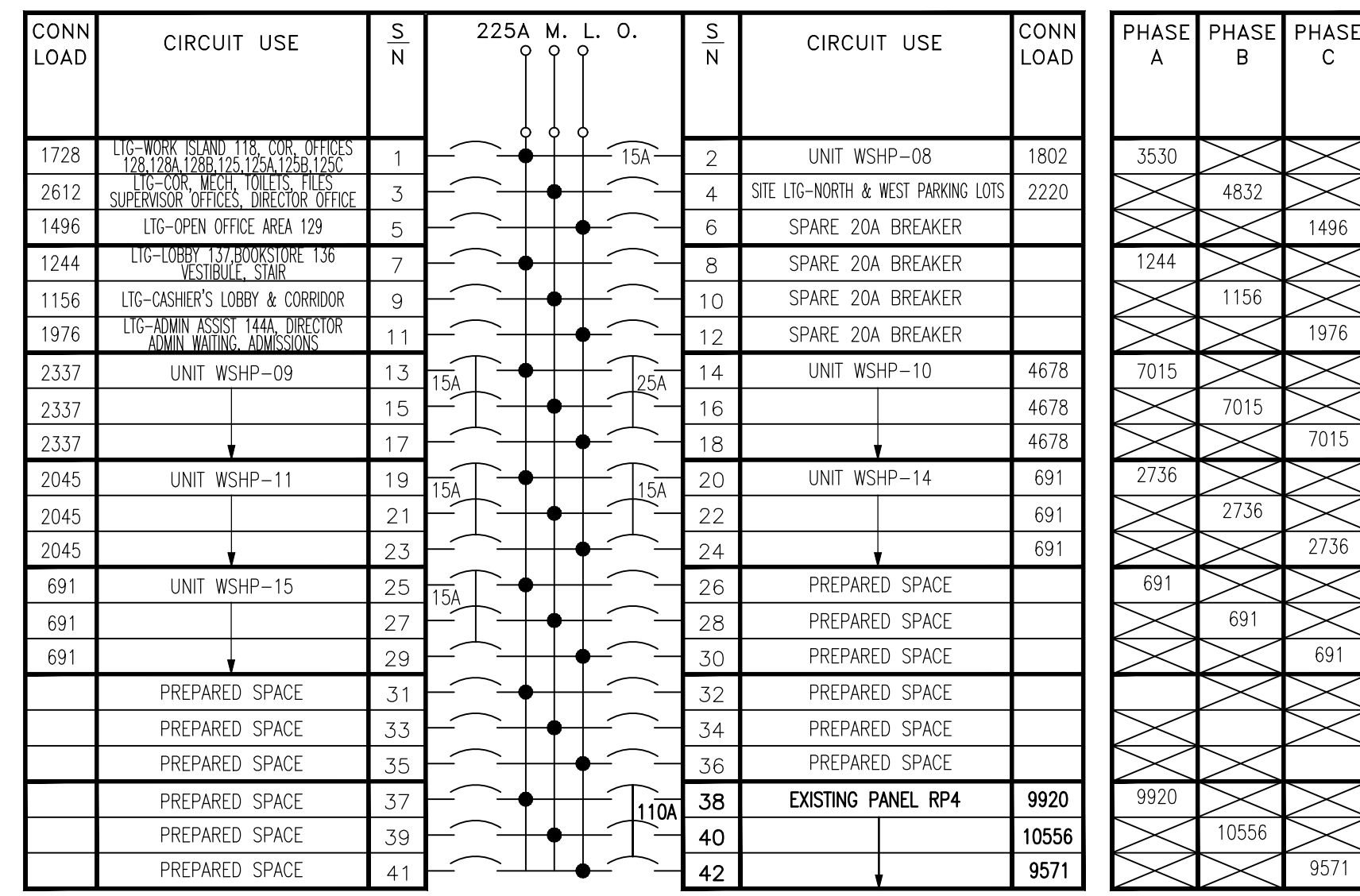


PHASE A	PHASE B	PHASE C
43166	44075	42719
TOTAL VA 129960		
CONNECTED AMPERAGE 156 AMPERES		

NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE REFLECTING ANY ADDITIONS OR CHANGES.
3. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.
4. DARKER COLOR CIRCUIT DESIGNATIONS DENOTE NEW CIRCUITS FOR RENOVATION. LIGHTER COLOR CIRCUIT DESIGNATIONS DENOTE EXISTING CIRCUITS TO REMAIN.
GFI - DENOTES GFI TYPE CIRCUIT BREAKER.
* DENOTES NEW CIRCUIT BREAKER TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.

EXISTING PANEL HP4

480/277 VOLT, 225 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE
22KAIC FULLY RATED, COPPER PLATED BUS

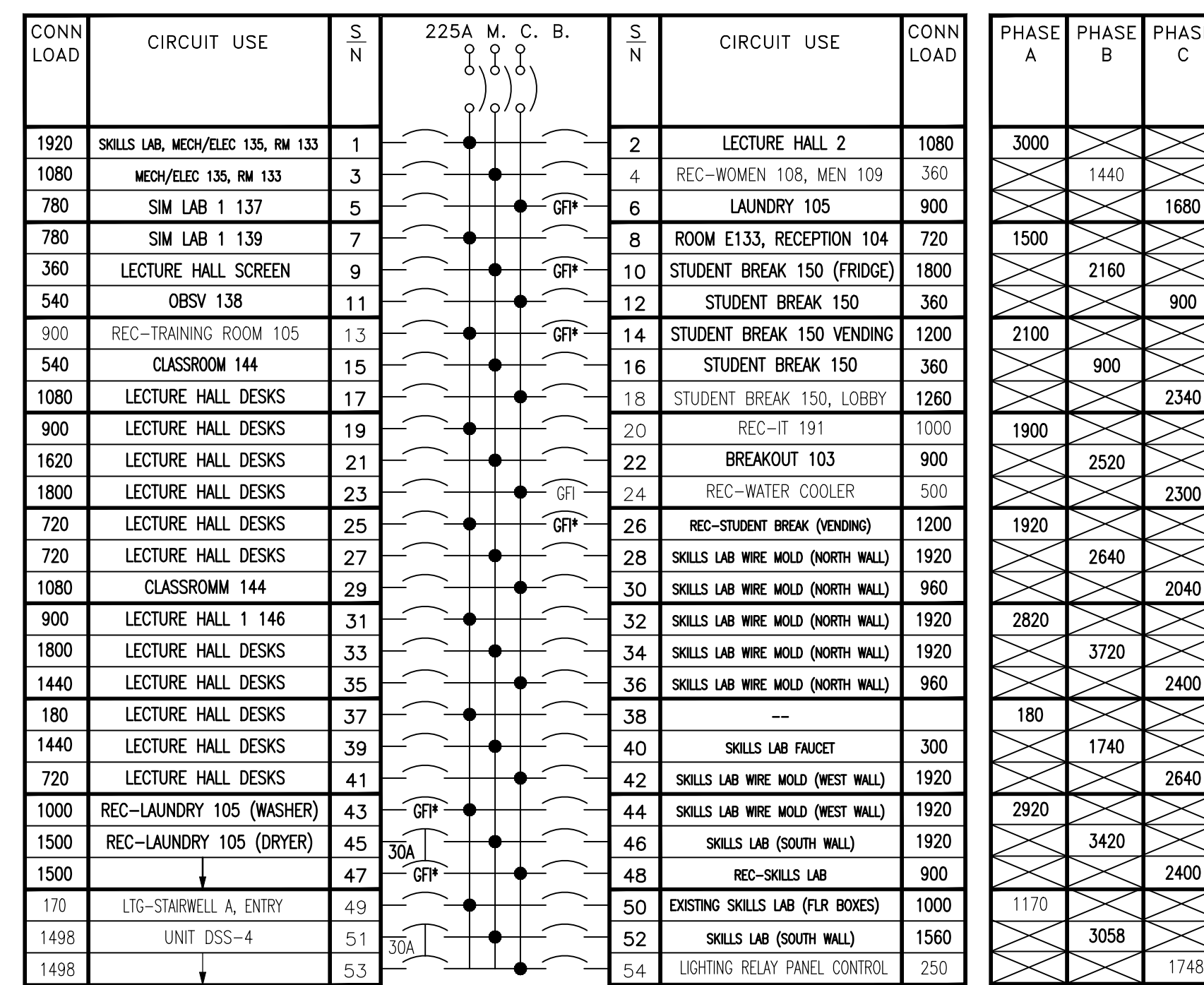


PHASE A	PHASE B	PHASE C
25136	26986	23485
TOTAL VA 75607		
CONNECTED AMPERAGE 91 AMPERES		

NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE REFLECTING ANY ADDITIONS OR CHANGES.
3. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.
4. DARKER COLOR CIRCUIT DESIGNATIONS DENOTE NEW CIRCUITS FOR RENOVATION. LIGHTER COLOR CIRCUIT DESIGNATIONS DENOTE EXISTING CIRCUITS TO REMAIN.
GFI - DENOTES GFI TYPE CIRCUIT BREAKER.
* DENOTES NEW CIRCUIT BREAKER TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.

EXISTING PANEL RP3

208/120 VOLT, 225 AMP MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE
SQUARE D TYPE NOOD

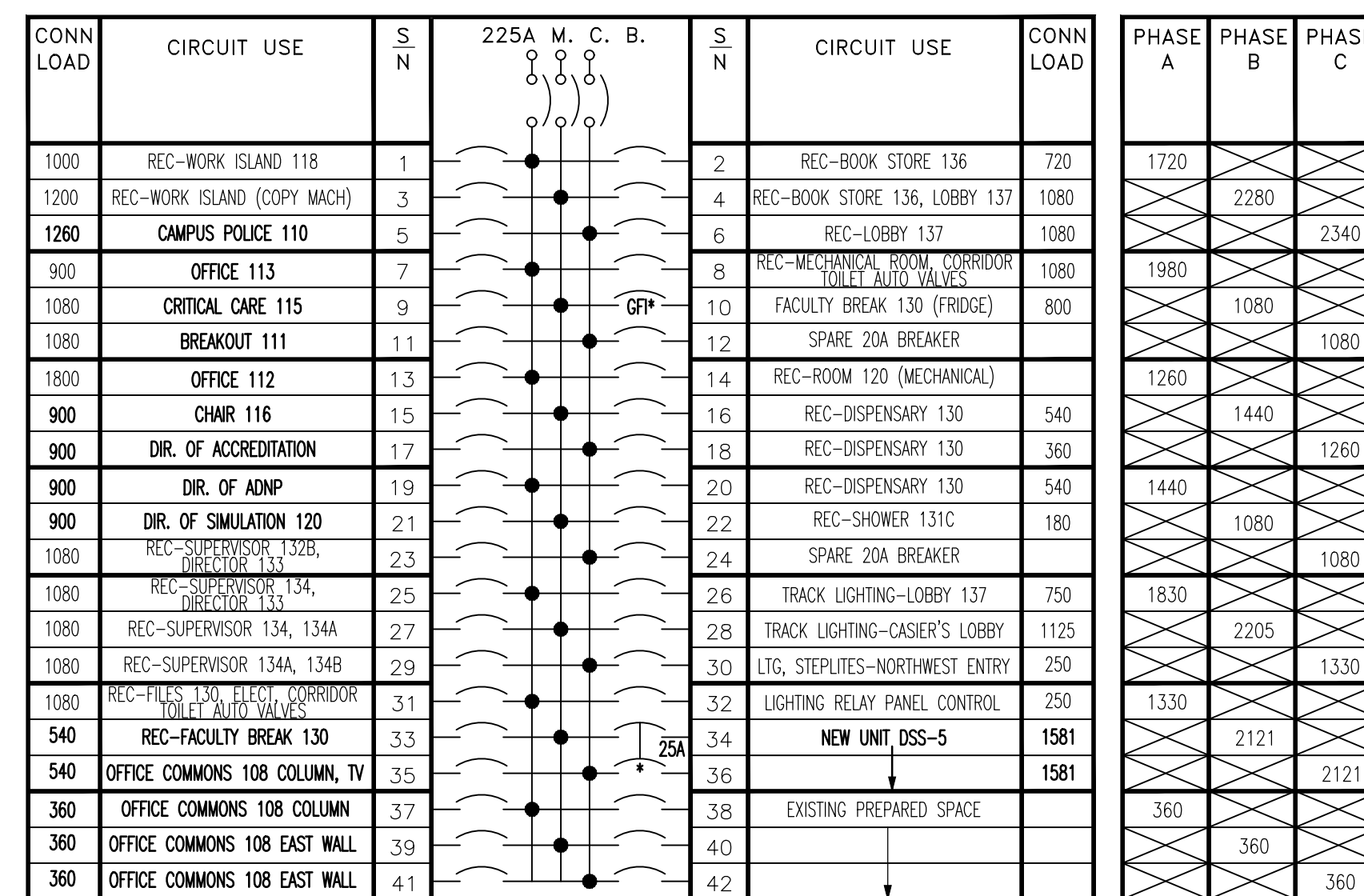


PHASE A	PHASE B	PHASE C
17510	21598	18448
TOTAL VA 57556		
CONNECTED AMPERAGE 160 AMPERES		

NOTE:
PANEL SCHEDULES WERE TAKEN FROM EXISTING PANELS ON SITE. ELECTRICAL CONTRACTOR TO VERIFY CIRCUITS INDICATED ARE AVAILABLE FOR USE.
NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE REFLECTING ANY ADDITIONS OR CHANGES.
3. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.
4. DARKER COLOR CIRCUIT DESIGNATIONS DENOTE NEW CIRCUITS FOR RENOVATION. LIGHTER COLOR CIRCUIT DESIGNATIONS DENOTE EXISTING CIRCUITS TO REMAIN.
GFI - DENOTES GFI TYPE CIRCUIT BREAKER.
* DENOTES NEW CIRCUIT BREAKER TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.

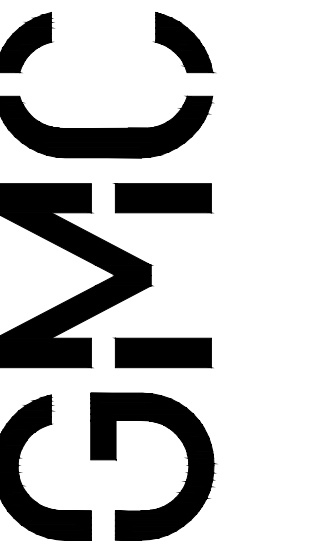
EXISTING PANEL RP4

208/120 VOLT, 225 AMP MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE
SQUARE D TYPE NOOD



PHASE A	PHASE B	PHASE C
9920	10566	9571
TOTAL VA 30057		
CONNECTED AMPERAGE 83 AMPERES		

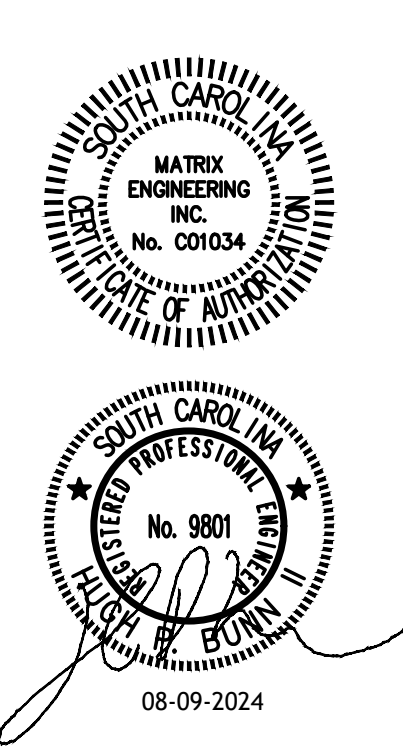
NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE REFLECTING ANY ADDITIONS OR CHANGES.
3. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.
4. DARKER COLOR CIRCUIT DESIGNATIONS DENOTE NEW CIRCUITS FOR RENOVATION. LIGHTER COLOR CIRCUIT DESIGNATIONS DENOTE EXISTING CIRCUITS TO REMAIN.
GFI - DENOTES GFI TYPE CIRCUIT BREAKER.
* DENOTES NEW CIRCUIT BREAKER TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.



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ISSUE DATE	DATE
BID DOCUMENTS	08/09/2024

SCC EVANS BUILDING NURSING RELOCATION
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Spartanburg, SC 29302



E002

PANEL SCHEDULES

OSE H69-6286-JM
GMC ACST240005



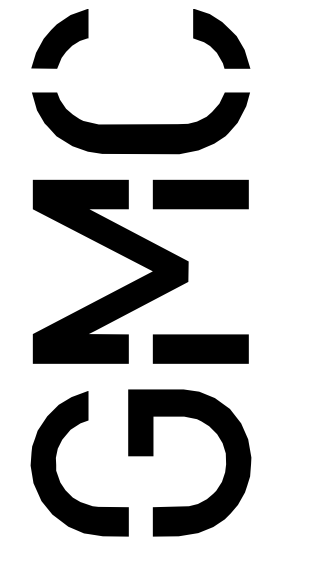
PROJECT NUMBER: 2024-097

FOR CONTRACTOR REFERENCE ONLY. ALL EQUIPMENT PROVIDED BY OWNER, COORDINATED & INSTALLED BY CONTRACTOR.

Table with columns: EQUIPMENT LIST, GENERAL NOTES. Includes sections for Director of Clinical Coordination Office TV, Campus Police Office TV, Faculty Breakroom TV, Student Breakroom TV, Breakout Area, Informcast Clocks Equipment List, Local Area Network, Mobile Conferencing and Presentation System, Security Camera Locations, Lecture Hall 01 Equipment List, Lecture Hall 02 Equipment List, and Classroom 01 - Room 144 (Formally The Debriefing Room).

GENERAL NOTES:

KEYED NOTES:

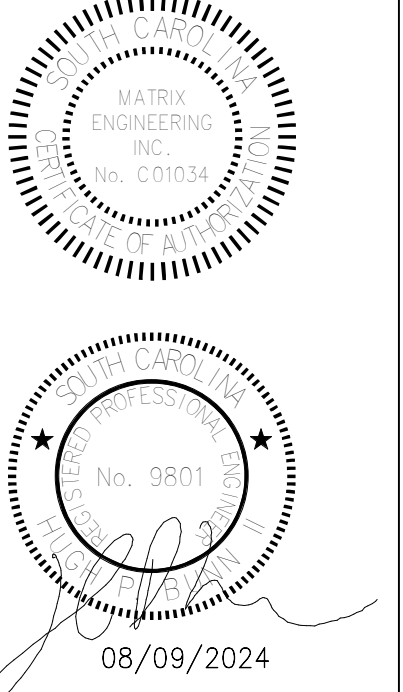


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Table with columns: ISSUE DATE, BID DOCUMENTS, DRAWN BY, CHECKED BY. Includes date 08/09/2024 and names DK, HFB.

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PROJECT NUMBER: 2024-097

AUDIO-VISUAL EQUIPMENT LIST

E003

8/9/2024 11:44:45 AM

System No. C-AJ-1226

ANSI/AIA 1476 (ASTM B914)	GANULC B115
F Rating — 3H	F Rating — 3H
L Rating — 2H	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	FH Rating — 2H
L Rating At 400°F — CFM/ft ²	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	
L Rating At 400°F — 4 CFM/ft ²	

1. Floor or Wall Assembly — Min. 4" (101.6 mm) thick reinforced lightweight or normal weight (150-165 pcf or 950-2400 kg/m³) concrete. Wall assembly shall be constructed of U.S. Classified Concrete Block. Max. stem diameter is 2.5" (63.5 mm).

2. Metallic Sleeve — (Optional) Min. 2 1/8" (50.8 mm) diam for wall or (Standard) Min. 4" (101.6 mm) diam for floor or wall assembly. Sleeve shall extend to and penetrate the floor or wall assembly. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

3. Sleeve Metal Bands — (Optional) Max. 4" (101.6 mm) diam, min. 28 ga. galv. steel provided with 30 ga galv. steel sleeve. Bands shall extend to and penetrate the floor or wall assembly. Bands shall be galvanized or galvanized steel.

4. Through-Penetrator — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

5. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

6. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

7. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

8. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

9. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

10. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

11. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

12. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

System No. C-AJ-1226

4. Firestop System — The firestop system shall consist of the following:

A. Firestop Sleeve — Min. 4" (101.6 mm) diameter of steel pipe or (20 galv) galvanized steel pipe inserted into the sleeve from the top surface of the floor or wall assembly. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

B. Fire Sleeve Cap Material — Sealant — Min. 1/8" (3.18 mm) thick of material applied within the sleeve, flush with top surface of floor or wall assembly or flush with bottom surface of wall or ceiling. The sealant or putty shall extend to and penetrate the floor or wall assembly. The sealant or putty shall extend to and penetrate the floor or wall assembly.

C. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

D. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

E. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

F. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

System No. C-AJ-1630

ANSI/AIA 1476 (ASTM B914)	GANULC B115
F Rating — 3H	F Rating — 3H
L Rating — 2H	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	FH Rating — 2H
L Rating At 400°F — CFM/ft ²	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	
L Rating At 400°F — 4 CFM/ft ²	

1. Floor or Wall Assembly — See Configuration A above. Reinforced lightweight or normal weight (150-165 pcf or 950-2400 kg/m³) concrete, as specified in the Table below. Table may also be constructed of U.S. Classified Concrete Block. Max. stem diameter is 2.5" (63.5 mm).

2. Metallic Sleeve (Sleeve) — Min. 3 1/8" (82.6 mm) diam for wall or (Standard) Min. 4" (101.6 mm) diam for floor or wall assembly. Sleeve shall extend to and penetrate the floor or wall assembly. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

3. Sleeve Metal Bands — (Optional) Max. 4" (101.6 mm) diam, min. 28 ga. galv. steel provided with 30 ga galv. steel sleeve. Bands shall extend to and penetrate the floor or wall assembly. Bands shall be galvanized or galvanized steel.

4. Through-Penetrator — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

5. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

6. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

7. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

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11. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

12. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

System No. C-AJ-1630

Min. Thickness (in./mm)	Annular Space (in./mm)	Min. Thickness (in./mm)	Min. Density (pcf/kg/m ³)	Min. Tensile Strength (psi/MPa)	Penetration (in./mm)	Permeation (in./mm)
2	5/16 (8.0)	5/16 (8.0)	8 (127)	4 (84)	1/2 (13)	4 (102)
2	4/16 (6.4)	4/16 (6.4)	8 (127)	4 (84)	1/4 (6.4)	30 (762)
4	5/16 (8.0)	5/16 (8.0)	8 (127)	4 (84)	1/2 (13)	4 (102)

2. Seal Sleeve (Optional) — Min. 3/8" (9.5 mm) diam for wall or (Standard) Min. 4" (101.6 mm) diam for floor or wall assembly. Sleeve shall extend to and penetrate the floor or wall assembly. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

3. Sleeve Metal Bands — (Optional) Max. 4" (101.6 mm) diam, min. 28 ga. galv. steel provided with 30 ga galv. steel sleeve. Bands shall extend to and penetrate the floor or wall assembly. Bands shall be galvanized or galvanized steel.

4. Through-Penetrator — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

5. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

6. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

System No. W-L-1054

ANSI/AIA 1476 (ASTM B914)	GANULC B115
F Rating — 3H	F Rating — 3H
L Rating — 2H	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	FH Rating — 2H
L Rating At 400°F — CFM/ft ²	FH Rating — 2H
L Rating At Ambient — Less Than 1 CFM/ft ²	
L Rating At 400°F — 4 CFM/ft ²	

1. Floor or Wall Assembly — The 1" (25.4 mm) thick gypsum wallboard shall be installed over the metal stud in the manner specified in the International Code Book or U.S. Classified Concrete Block. Max. stem diameter is 2.5" (63.5 mm).

2. Metallic Sleeve (Sleeve) — Min. 4" (101.6 mm) diam for wall or (Standard) Min. 4" (101.6 mm) diam for floor or wall assembly. Sleeve shall extend to and penetrate the floor or wall assembly. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

3. Sleeve Metal Bands — (Optional) Max. 4" (101.6 mm) diam, min. 28 ga. galv. steel provided with 30 ga galv. steel sleeve. Bands shall extend to and penetrate the floor or wall assembly. Bands shall be galvanized or galvanized steel.

4. Through-Penetrator — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

5. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

6. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

7. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

8. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

9. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

10. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

11. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

12. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

System No. W-L-1054

Movement/Displacement	Normal Penetration	Annular Space	Sealant Depth	F Rating	L Rating with Movement
Y	28.307	2 1/8"	Min 2 1/8" to 2 1/2"	5/8"	1 1/2"
Z	28.307	2 1/8"	2 1/8" to 2 1/2"	5/8"	1 1/2"

2. Through-Penetrator — One metallic pipe, tube or fitting to be installed either concentrically or eccentrically within the firestop system. The sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel. Sleeve shall be galvanized or galvanized steel.

3. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

4. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

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6. Sealant — One material, one or more of the following: (a) fire-resistant putty or sealant applied to the sleeve. (b) fire-resistant putty or sealant applied to the sleeve. (c) fire-resistant putty or sealant applied to the sleeve.

RECEPTACLE & ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL NO SCALE

1. TYPE OF EQUIPMENT WHERE X'S ARE INDICATED. USE NAMES AS INDICATED ON DRAWINGS. WHERE NO NAMES ARE INDICATED, POSSIBLE CHOICES ARE:
"PANEL" "SWBD" "BUS DUCT" "MCC" "ATS" "COMBINATION STARTER"
"YXFR" "DISC" "BKR" "SWGR" "VFD"

2. EQUIPMENT NAME (EX. "1NH1", SEE NAMING CONVENTION AND SINGLE LINE DIAGRAM)

3. COLOR: (FACE/LETTERS)
(WH/BLK) — NORMAL POWER
(WH/RED) — CRITICAL, LIFE SAFETY AND EQUIPMENT POWER

4. SUPPLY SOURCE WHERE X'S ARE INDICATED. POSSIBLE CHOICES ARE:
"NORMAL" "CRITICAL"
"LIFE SAFETY" "EQUIPMENT"

5. INSERT VOLTAGE WHERE X'S ARE INDICATED. POSSIBLE CHOICES ARE:
"277/480" "480"
"120/208" "208"

6. INSERT SUPPLYING PANEL DESIGNATION WHERE X'S ARE INDICATED (EX. "PANEL 1NH1", "YXFR 1TN1"). WHEN THIS EQUIPMENT IS SERVED DIRECTLY FROM A TRANSFORMER, THE PANEL SERVICING THE TRANSFORMER SHALL ALSO BE LISTED.

7. SECURE LABEL TO EQUIPMENT COVER WITH STAINLESS STEEL, COUNTERSINK SCREWS WITH MATCHING NUTS AND LOCKWASHERS, OR RIVET LABEL TO EQUIPMENT COVERS.

8. ROOM WHERE THE EQUIPMENT PROVIDING POWER TO THIS PIECE OF EQUIPMENT IS LOCATED.

RECEPTACLE & ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL NO SCALE

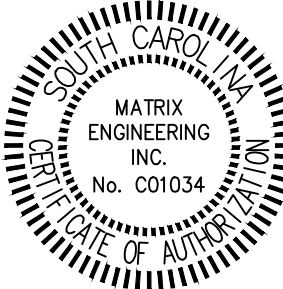

GMC

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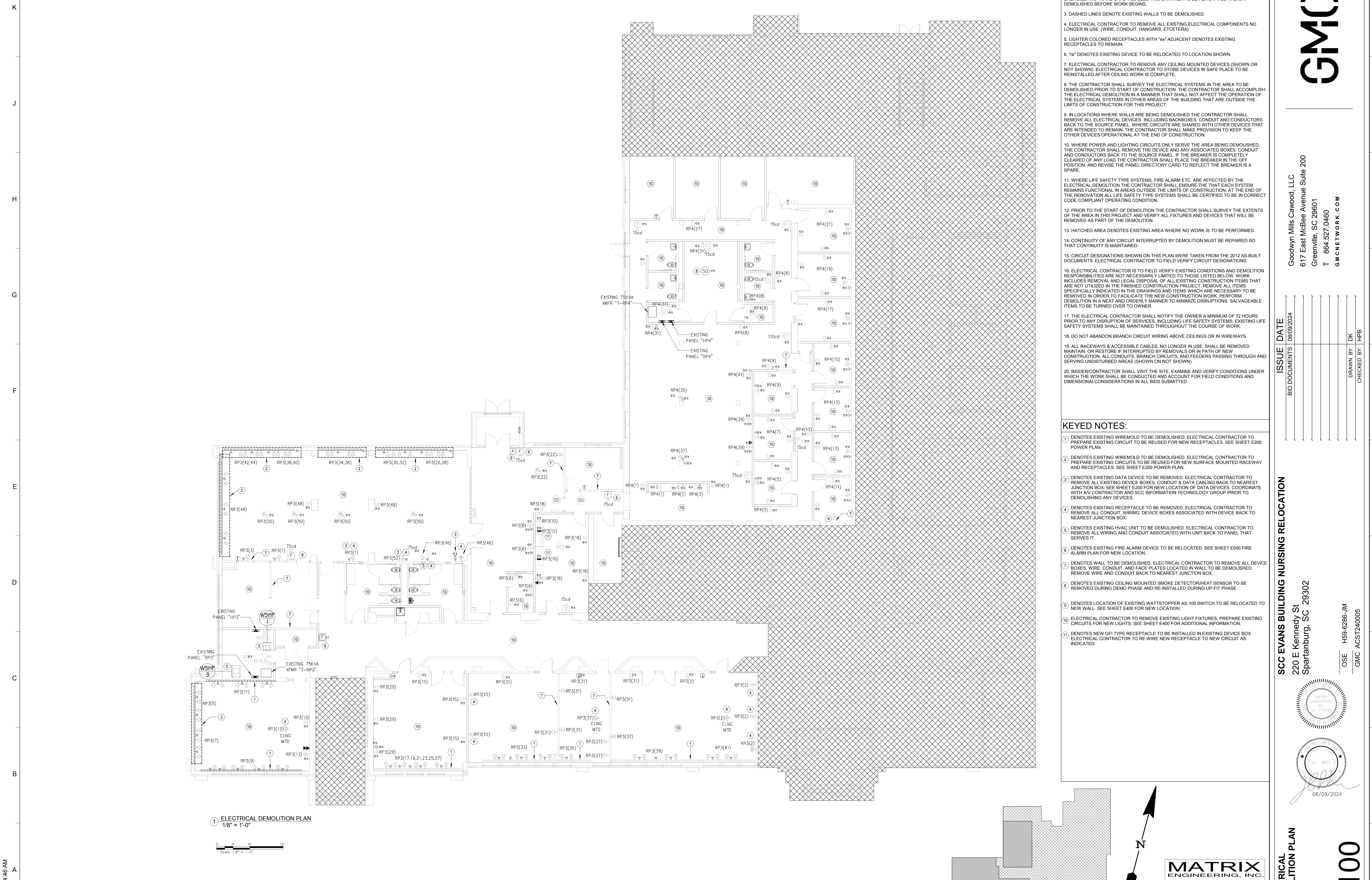
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08-09-2024

E004

MATRIX ENGINEERING, INC.
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www.matrixel.com
PROJECT NUMBER: 2024-097



1 ELECTRICAL DEMOLITION PLAN
 1/8" = 1'-0"
 Scale: 1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR TO COORDINATE ALL DEMOLITION WITH GENERAL CONTRACTOR.
2. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR TO DE-ENERGIZE AND "MAKE-SAFE" ALL ELECTRICAL IN AREA TO BE RENOVATED AND/OR DEMOLISHED BEFORE WORK BEGINS.
3. DASHED LINES DENOTE EXISTING WALLS TO BE DEMOLISHED.
4. ELECTRICAL CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL COMPONENTS NO LONGER IN USE, (WIRE, CONDUIT, HANGARS, ETCETERA)
5. LIGHTER COLORED RECEPTACLES WITH "ex" ADJACENT DENOTES EXISTING RECEPTACLES TO REMAIN.
6. "re" DENOTES EXISTING DEVICE TO BE RELOCATED TO LOCATION SHOWN.
7. ELECTRICAL CONTRACTOR TO REMOVE ANY CEILING MOUNTED DEVICES (SHOWN OR NOT SHOWN). ELECTRICAL CONTRACTOR TO STORE DEVICES IN SAFE PLACE TO BE REINSTALLED AFTER CEILING WORK IS COMPLETE.
8. THE CONTRACTOR SHALL SURVEY THE ELECTRICAL SYSTEMS IN THE AREA TO BE DEMOLISHED PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL ACCOMPLISH THE ELECTRICAL DEMOLITION IN A MANNER THAT SHALL NOT AFFECT THE OPERATION OF THE ELECTRICAL SYSTEMS IN OTHER AREAS OF THE BUILDING THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.
9. IN LOCATIONS WHERE WALLS ARE BEING DEMOLISHED THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES INCLUDING BACKBOXES, CONDUIT AND CONDUCTORS BACK TO THE SOURCE PANEL. WHERE CIRCUITS ARE SHARED WITH OTHER DEVICES THAT ARE INTENDED TO REMAIN, THE CONTRACTOR SHALL MAKE PROVISION TO KEEP THE OTHER DEVICES OPERATIONAL AT THE END OF CONSTRUCTION.
10. WHERE POWER AND LIGHTING CIRCUITS ONLY SERVE THE AREA BEING DEMOLISHED, THE CONTRACTOR SHALL REMOVE THE DEVICE AND ANY ASSOCIATED BOXES, CONDUIT AND CONDUCTORS BACK TO THE SOURCE PANEL. IF THE BREAKER IS COMPLETELY CLEARED OF ANY LOAD THE CONTRACTOR SHALL PLACE THE BREAKER IN THE OFF POSITION AND REVISE THE PANEL DIRECTORY CARD TO REFLECT THE BREAKER IS A SPARE.
11. WHERE LIFE SAFETY TYPE SYSTEMS, FIRE ALARM ETC. ARE AFFECTED BY THE ELECTRICAL DEMOLITION THE CONTRACTOR SHALL ENSURE THAT EACH SYSTEM REMAINS FUNCTIONAL IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION. AT THE END OF THE RENOVATION ALL LIFE SAFETY TYPE SYSTEMS SHALL BE CERTIFIED TO BE IN CORRECT CODE COMPLIANT OPERATING CONDITION.
12. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL SURVEY THE EXTENTS OF THE AREA IN THIS PROJECT AND VERIFY ALL FIXTURES AND DEVICES THAT WILL BE REMOVED AS PART OF THE DEMOLITION.
13. HATCHED AREA DENOTES EXISTING AREA WHERE NO WORK IS TO BE PERFORMED.
14. CONTINUITY OF ANY CIRCUIT INTERRUPTED BY DEMOLITION MUST BE REPAIRED SO THAT CONTINUITY IS MAINTAINED.
15. CIRCUIT DESIGNATIONS SHOWN ON THIS PLAN WERE TAKEN FROM THE 2012 AS-BUILT DOCUMENTS. ELECTRICAL CONTRACTOR TO FIELD VERIFY CIRCUIT DESIGNATIONS.
16. ELECTRICAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS AND DEMOLITION RESPONSIBILITIES ARE NOT NECESSARILY LIMITED TO THOSE LISTED BELOW. WORK INCLUDES REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT UTILIZED IN THE FINISHED CONSTRUCTION PROJECT. REMOVE ALL ITEMS SPECIFICALLY INDICATED IN THE DRAWINGS AND ITEMS WHICH ARE NECESSARY TO BE REMOVED IN ORDER TO FACILITATE THE NEW CONSTRUCTION WORK. PERFORM DEMOLITION IN A NEAT AND ORDERLY MANNER TO MINIMIZE DISRUPTIONS. SALVAGEABLE ITEMS TO BE TURNED OVER TO OWNER.
17. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 72 HOURS PRIOR TO ANY DISRUPTION OF SERVICES, INCLUDING LIFE SAFETY SYSTEMS. EXISTING LIFE SAFETY SYSTEMS SHALL BE MAINTAINED THROUGHOUT THE COURSE OF WORK.
18. DO NOT ABANDON BRANCH CIRCUIT WIRING ABOVE CEILING OR IN WIREWAYS.
19. ALL RACEWAYS & ACCESSIBLE CABLES, NO LONGER IN USE, SHALL BE REMOVED MAINTAIN, OR RESTORE IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION. ALL CONDUITS, BRANCH CIRCUITS, AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN ON NOT SHOWN).
20. BIDDER/CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND VERIFY CONDITIONS UNDER WHICH THE WORK SHALL BE CONDUCTED AND ACCOUNT FOR FIELD CONDITIONS AND DIMENSIONAL CONSIDERATIONS IN ALL BIDS SUBMITTED.

KEYED NOTES:

- 1 DENOTES EXISTING WIREMOLD TO BE DEMOLISHED. ELECTRICAL CONTRACTOR TO PREPARE EXISTING CIRCUIT TO BE REUSED FOR NEW RECEPTACLES. SEE SHEET E200 POWER PLAN.
- 2 DENOTES EXISTING WIREMOLD TO BE DEMOLISHED. ELECTRICAL CONTRACTOR TO PREPARE EXISTING CIRCUITS TO BE REUSED FOR NEW SURFACE MOUNTED RACEWAY AND RECEPTACLES. SEE SHEET E200 POWER PLAN.
- 3 DENOTES EXISTING DATA DEVICE TO BE REMOVED. ELECTRICAL CONTRACTOR TO REMOVE ALL EXISTING DEVICE BOXES, CONDUIT & DATA CABLING BACK TO NEAREST JUNCTION BOX. SEE SHEET E200 FOR NEW LOCATION OF DATA DEVICES. COORDINATE WITH AV CONTRACTOR AND SCC INFORMATION TECHNOLOGY GROUP PRIOR TO DEMOLISHING ANY DEVICES.
- 4 DENOTES EXISTING RECEPTACLE TO BE REMOVED. ELECTRICAL CONTRACTOR TO REMOVE ALL CONDUIT, WIRING, DEVICE BOXES ASSOCIATED WITH DEVICE BACK TO NEAREST JUNCTION BOX.
- 5 DENOTES EXISTING HVAC UNIT TO BE DEMOLISHED. ELECTRICAL CONTRACTOR TO REMOVE ALL WIRING AND CONDUIT ASSOCIATED WITH UNIT BACK TO PANEL THAT SERVES IT.
- 6 DENOTES EXISTING FIRE ALARM DEVICE TO BE RELOCATED. SEE SHEET E500 FIRE ALARM PLAN FOR NEW LOCATION.
- 7 DENOTES WALL TO BE DEMOLISHED. ELECTRICAL CONTRACTOR TO REMOVE ALL DEVICE BOXES, WIRE, CONDUIT, AND FACE PLATES LOCATED IN WALL TO BE DEMOLISHED. REMOVE WIRE AND CONDUIT BACK TO NEAREST JUNCTION BOX.
- 8 DENOTES EXISTING CEILING MOUNTED SMOKE DETECTOR/HEAT SENSOR TO BE REMOVED DURING DEMO PHASE AND RE-INSTALLED DURING UP-FIT PHASE.
- 9 DENOTES LOCATION OF EXISTING WATTSTOPPER AS-100 SWITCH TO BE RELOCATED TO NEW WALL. SEE SHEET E400 FOR NEW LOCATION.
- 10 ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHT FIXTURES. PREPARE EXISTING CIRCUITS FOR NEW LIGHTS. SEE SHEET E400 FOR ADDITIONAL INFORMATION.
- 11 DENOTES NEW GFI TYPE RECEPTACLE TO BE INSTALLED IN EXISTING DEVICE BOX. ELECTRICAL CONTRACTOR TO RE-WIRE NEW RECEPTACLE TO NEW CIRCUIT AS INDICATED.

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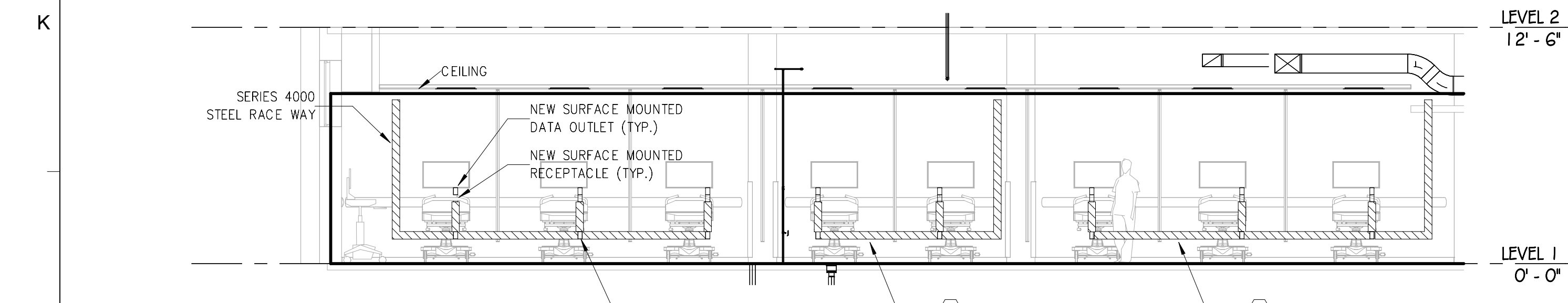
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 GMC ACST240005

08/09/2024

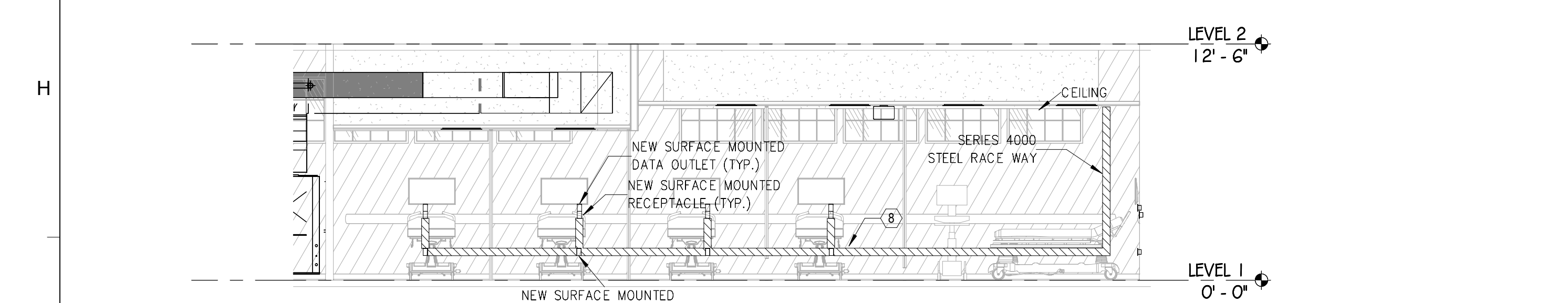
ELECTRICAL DEMOLITION PLAN

MATRIX ENGINEERING, INC.
 912 South Pine Street
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 www.matrixel.com
 PROJECT NUMBER: 2024-097

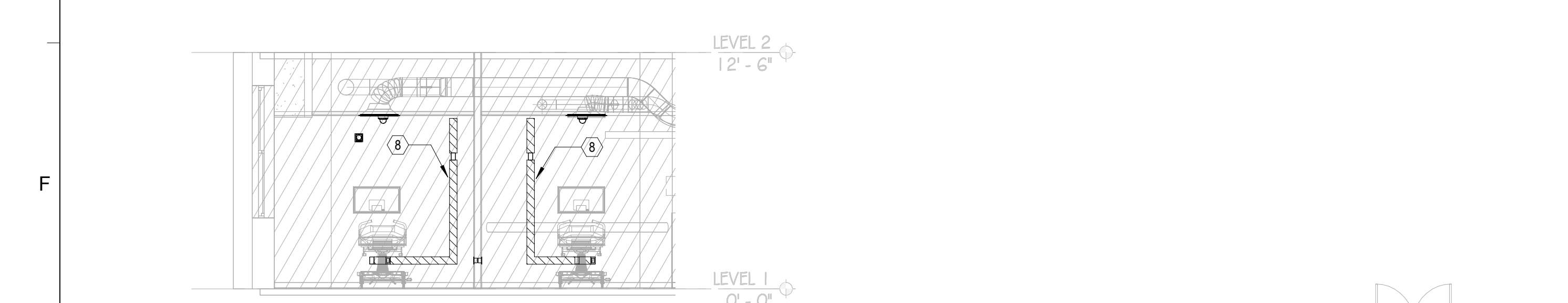
E100



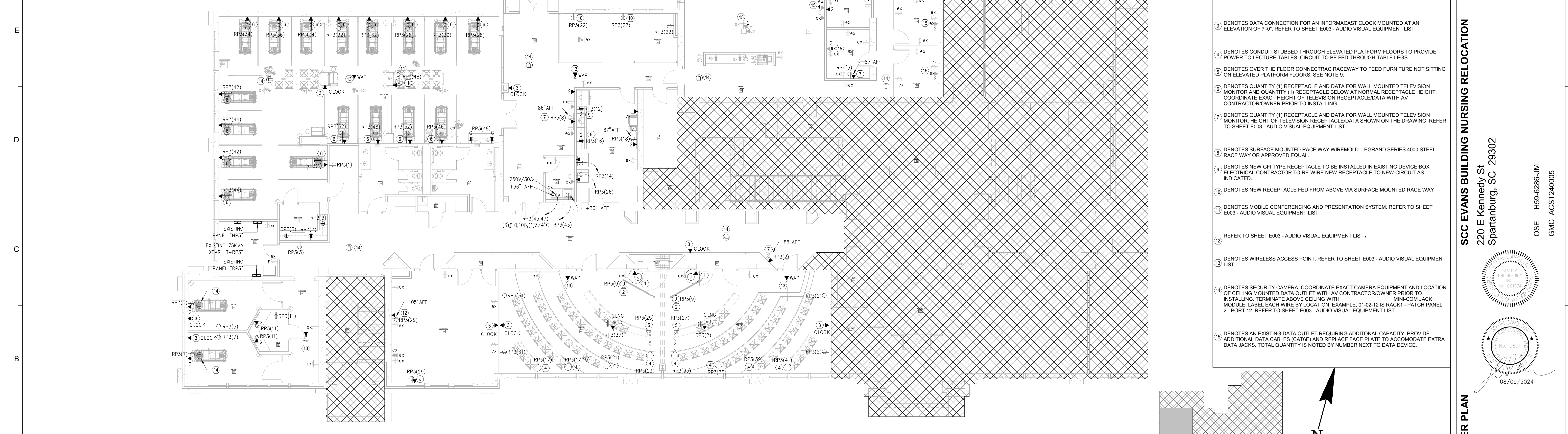
2 SKILLS LAB 132 - NORTH WALL
3/16" = 1'-0"



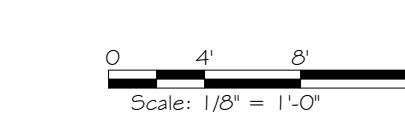
3 SKILLS LAB 132 - WEST WALL
3/16" = 1'-0"



4 SIM LAB 137 & 139 WEST WALL
3/16" = 1'-0"



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

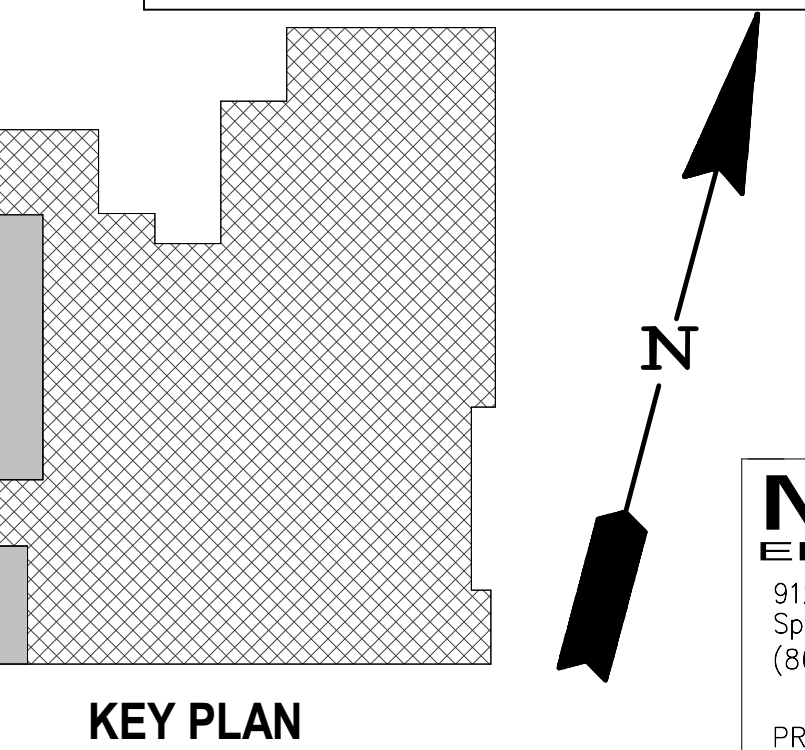


GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO REMOVE ALL EXISTING WIRE AND CONDUIT NO LONGER IN USE.
- LIGHTER COLORED RECEPTACLES WITH "ex" ADJACENT TO DEVICE DENOTES EXISTING RECEPTACLES TO REMAIN.
- COORDINATE ALL ELECTRICAL WORK WITH GENERAL CONTRACTOR AND OTHER TRADES ON THE SITE BEFORE INSTALLATION.
- ELECTRICAL CONTRACTOR TO VERIFY FINAL LOCATION OF DEVICE BOXES WITH OWNER/EQUIPMENT PRIOR TO INSTALLING.
- ALL LOW VOLTAGE CABLING TO BE CAT6A AND PLENUM RATED.
- ALL SURFACE MOUNTED RACEWAY SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION AND ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES.
- ELECTRICAL CONTRACTOR TO APPLY UL LISTED FIRE STOP TO ALL PENETRATIONS THROUGH FIRE RATED WALLS EQUAL TO OR EXCEEDING RATING OF EXISTING WALL. SEE FIRE STOP DETAILS ON SHEET E003.
- APPLY LABELS ADJACENT TO ALL FIRE PENETRATIONS INDICATING THE UL APPROVED FIRE CAULKING SYSTEM UTILIZED AT THE PENETRATION.
- OVER THE FLOOR RACEWAY SYSTEM TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONNECTIONS BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER, MANUFACTURER & INSTALLATION GUIDE. OWNER TO PROVIDE FINISH COLOR. PROVIDE ALL PARTS AND COMPONENTS FOR A COMPLETE AND WORKING SYSTEM.
- ELECTRICAL CONTRACTOR TO PROVIDE PULL STRING IN ALL LOW VOLTAGE CONDUIT.

KEYED NOTES:

- DENOTES 3/4" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING.
- DENOTES CEILING MOUNTED JUNCTION BOX FOR MOTORIZED PROJECTION SCREEN. REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- DENOTES DATA CONNECTION FOR AN INFORMACAST CLOCK MOUNTED AT AN ELEVATION OF 7'-0". REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- DENOTES CONDUIT STUBBED THROUGH ELEVATED PLATFORM FLOORS TO PROVIDE POWER TO LECTURE TABLES. CIRCUIT TO BE FED THROUGH TABLE LEGS.
- DENOTES OVER THE FLOOR CONNECTOR RACEWAY TO FEED FURNITURE NOT SITTING ON ELEVATED PLATFORM FLOORS. SEE NOTE 9.
- DENOTES QUANTITY (1) RECEPTACLE AND DATA FOR WALL MOUNTED TELEVISION MONITOR AND QUANTITY (1) RECEPTACLE BELOW AT NORMAL RECEPTACLE HEIGHT. COORDINATE EXACT HEIGHT OF TELEVISION RECEPTACLE DATA WITH AV CONTRACTOR/OWNER PRIOR TO INSTALLING.
- DENOTES QUANTITY (1) RECEPTACLE AND DATA FOR WALL MOUNTED TELEVISION MONITOR. HEIGHT OF TELEVISION RECEPTACLE DATA SHOWN ON THE DRAWING. REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- DENOTES SURFACE MOUNTED RACE WAY WIREMOLD. LEGRAND SERIES 4000 STEEL RACE WAY OR APPROVED EQUAL.
- DENOTES NEW GFI TYPE RECEPTACLE TO BE INSTALLED IN EXISTING DEVICE BOX. ELECTRICAL CONTRACTOR TO RE-WIRE NEW RECEPTACLE TO NEW CIRCUIT AS INDICATED.
- DENOTES NEW RECEPTACLE FED FROM ABOVE VIA SURFACE MOUNTED RACE WAY
- DENOTES MOBILE CONFERENCE AND PRESENTATION SYSTEM. REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST.
- DENOTES WIRELESS ACCESS POINT. REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- DENOTES SECURITY CAMERA. COORDINATE EXACT CAMERA EQUIPMENT AND LOCATION OF CEILING MOUNTED DATA OUTLET WITH AV CONTRACTOR/OWNER PRIOR TO INSTALLING. TERMINATE ABOVE CEILING WITH MINI-COM JACK MODULE. LABEL EACH WIRE BY LOCATION. EXAMPLE, 01-02-12 IS RACK1 - PATCH PANEL 2 - PORT 12. REFER TO SHEET E003 - AUDIO VISUAL EQUIPMENT LIST
- DENOTES AN EXISTING DATA OUTLET REQUIRING ADDITIONAL CAPACITY. PROVIDE ADDITIONAL DATA CABLES (CAT6) AND REPLACE FACE PLATE TO ACCOMMODATE EXTRA DATA JACKS. TOTAL QUANTITY IS NOTED BY NUMBER NEXT TO DATA DEVICE.



KEY PLAN

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ISSUE DATE	DATE
BID DOCUMENTS	08/09/2024

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CHECKED BY: HFB

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220 E Kennedy St
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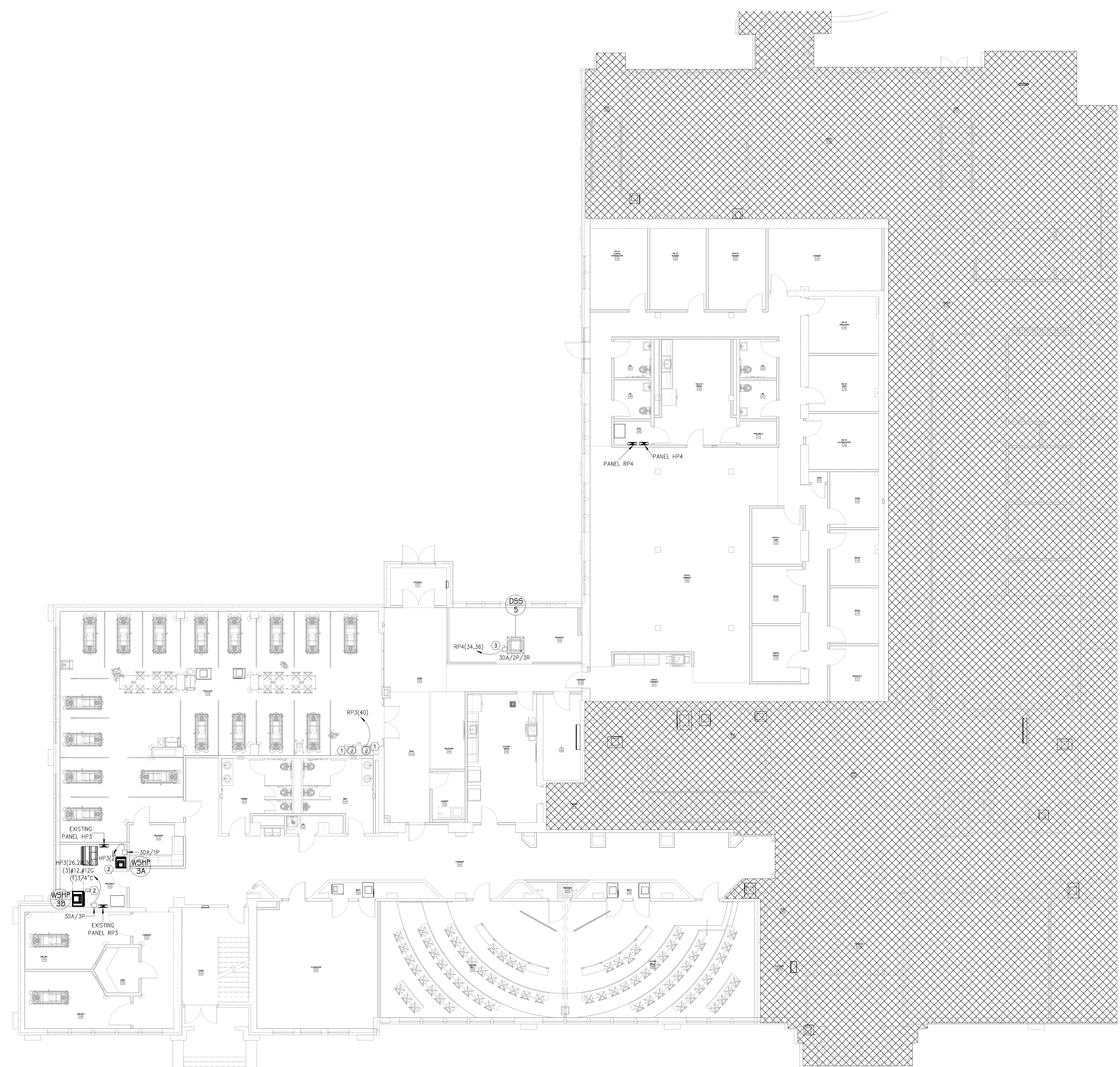
E200

OVERALL POWER PLAN

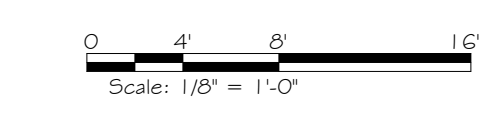
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1 MECHANICAL POWER PLAN
1/8" = 1'-0"

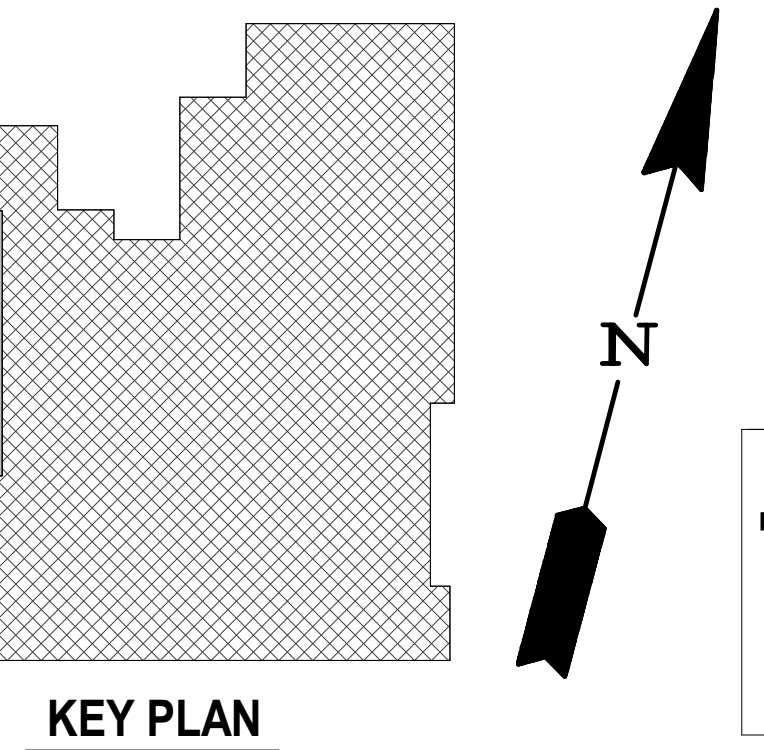


GENERAL NOTES:

- COORDINATE ALL ELECTRICAL WORK WITH GENERAL AND MECHANICAL CONTRACTOR, AND OTHER TRADES ON THE SITE BEFORE INSTALLATION.
- "FWE" ADJACENT TO DEVICE DENOTES DEVICE FURNISHED WITH EQUIPMENT.
- ELECTRICAL CONTRACTOR TO VERIFY EXACT ELECTRICAL INFORMATION WITH HVAC NAMEPLATE DATA PRIOR TO PURCHASING AND INSTALLING WIRING, CONDUIT, AND CIRCUIT BREAKER.
- ALL DISCONNECT SWITCHES TO BE "HEAVY DUTY" TYPE.

KEYED NOTES:

- DENOTES HARD WIRED CONNECTION FOR UNDER COUNTER AUTOMATIC FAUCETS. ELECTRICAL CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT CUTSHEET PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR TO DISCONNECT POWER TO EXISTING 120V CONDENSATE PUMP CURRENTLY LOCATED AT THE NEW UNIT'S LOCATION. UTILIZE EXISTING FEEDERS TO CONNECT TO NEW CONDENSATE PUMP. COORDINATE EXACT LOCATION OF NEW PUMP WITH MECHANICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE POWER TO NEW DUCTLESS SPLIT SYSTEM AS INDICATED. WIRE TO EXISTING PANEL RP4 (34,36) WITH (2)#12 #12G IN (1)3/4\"/>



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GMC ACST240005

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MECHANICAL POWER PLAN








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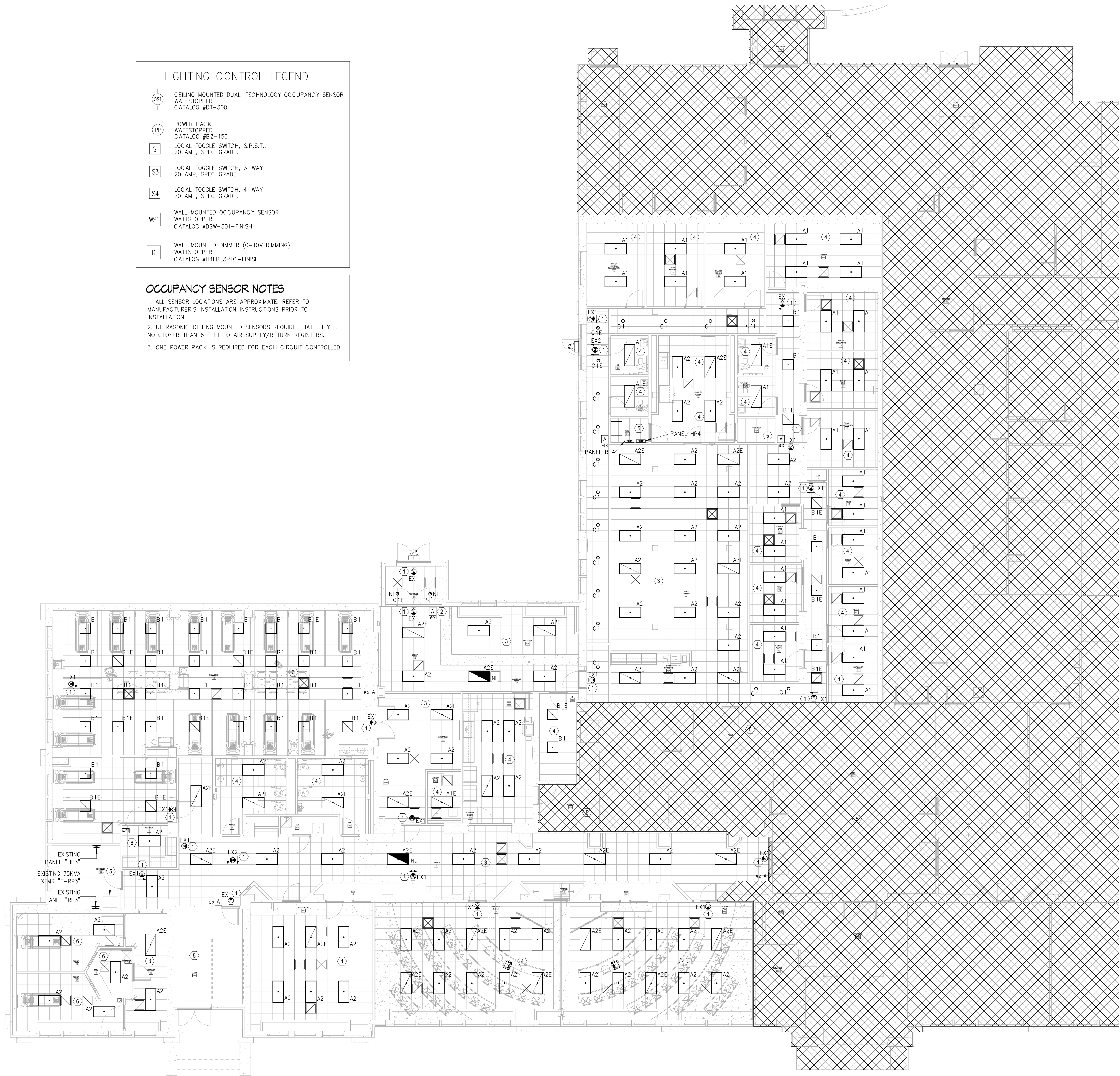
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- LIGHTING CONTROL LEGEND**
-  OS1 CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR
WATTSTOPPER
CATALOG #DT-300
 -  PP POWER PACK
WATTSTOPPER
CATALOG #BZ-150
 -  S LOCAL TOGGLE SWITCH, 20 AMP, SPEC GRADE.
 -  S3 LOCAL TOGGLE SWITCH, 3-WAY
20 AMP, SPEC GRADE.
 -  S4 LOCAL TOGGLE SWITCH, 4-WAY
20 AMP, SPEC GRADE.
 -  WS1 WALL MOUNTED OCCUPANCY SENSOR
WATTSTOPPER
CATALOG #DSW-301-FINISH
 -  D WALL MOUNTED DIMMER (0-10V DIMMING)
WATTSTOPPER
CATALOG #H4FBL3PTC-FINISH

- OCCUPANCY SENSOR NOTES**
1. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
 2. ULTRASONIC CEILING MOUNTED SENSORS REQUIRE THAT THEY BE NO CLOSER THAN 6 FEET TO AIR SUPPLY/RETURN REGISTERS.
 3. ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT CONTROLLED.

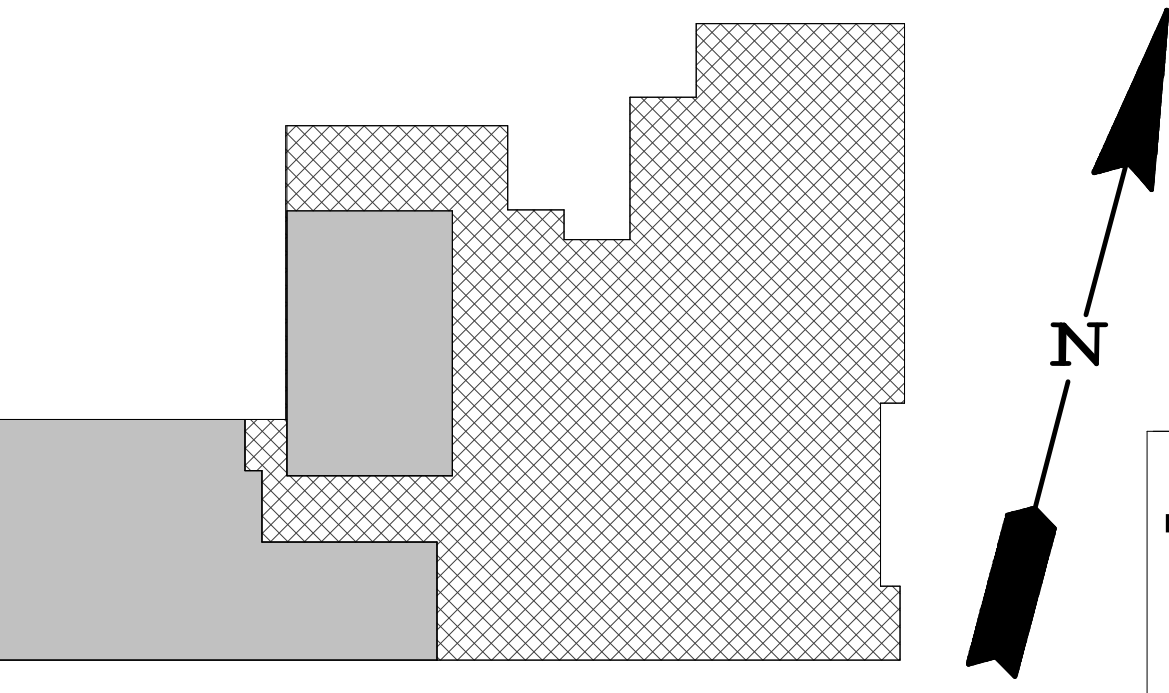


GENERAL NOTES:

1. ALL LIGHT FIXTURES SHALL MEET SEISMIC REQUIREMENTS OF ASCE 7.
2. ALL LAY-IN LIGHT FIXTURES SHALL HAVE 12 GAUGE WIRE HANGERS PLACED ON DIAGONAL CORNERS ATTACHED DIRECTLY TO BUILDING STRUCTURE. ANY RECESSED LIGHT FIXTURE WEIGHING MORE THAN 50 LBS SHALL BE SUPPORTED FROM ALL FOUR CORNERS.
3. LIGHT FIXTURES DENOTED WITH THE SUFFIX 'E' AND A DIAGONAL LINE DENOTES FIXTURES WITH EMERGENCY BATTERY BACK-UP BALLAST REQUIRING UN-SWITCHED "HOT" WIRE FOR BATTERY CHARGING.
4. ELECTRICAL CONTRACTOR SHALL WIRE ALL EMERGENCY EGRESS FIXTURES AND EXIT SIGNS UN-SWITCHED TO LIGHTING CIRCUIT IN ROOM WHERE EGRESS FIXTURES ARE MOUNTED.
5. IN ROOMS THAT HAVE BOTH OCCUPANCY SENSOR AND SWITCHES, WIRE OCCUPANCY SENSOR AHEAD OF AND IN SERIES WITH SWITCHES/SWITCHES.
6. MOUNT POWER PACKS/ROOM CONTROLLERS ABOVE CEILING IN ACCESSIBLE LOCATION.
7. "ex" DENOTES EXISTING DEVICE TO REMAIN.
8. "re" DENOTES EXISTING DEVICE TO BE RELOCATED TO LOCATION SHOWN.
9. ELECTRICAL CONTRACTOR TO PROVIDE ALL 0-10V DIMMING TO MAKE A COMPLETE DIMMING SYSTEM.
10. HALF SHADED LIGHTING FIXTURES WITH "NL" DENOTES FIXTURES THAT ARE WIRED UNSWITCHED "HOT" TO INDICATE CIRCUIT AS NIGHT LIGHT.

KEYED NOTES:

- ① DENOTES NEW EXIT SIGN TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. WIRE TO EXISTING AREA LIGHTING CIRCUIT UNSWITCHED AHEAD OF ANY POWER PACKS/OCCUPANCY SENSORS.
- ② DENOTES NEW LOCATION OF EXISTING AS-100 SWITCH FOR CONTROL OF NEW FIXTURES IN COMMON SPACES.
- ③ DENOTES NEW FIXTURES WIRED TO EXISTING LIGHTING CIRCUIT IN ROOM. ELECTRICAL CONTRACTOR TO UTILIZE EXISTING RELAYS AND CONTROLS, SO THAT THE NEW FIXTURES ARE CONTROLLED IN THE SAME MANNER AS EXISTING.
- ④ WIRE NEW FIXTURES TO EXISTING LIGHTING CIRCUIT IN ROOM. UTILIZE EXISTING LIGHTING CONTROLS.
- ⑤ DENOTES AREA WHERE EXISTING LIGHTING IS TO REMAIN.
- ⑥ WIRE NEW FIXTURES TO EXISTING LIGHTING CIRCUIT IN ROOM. ELECTRICAL CONTRACTOR TO INSTALL NEW LIGHTING CONTROLS AS INDICATED.



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

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

ISSUE DATE	DESCRIPTION
08/09/2024	BID DOCUMENTS

SCC EVANS BUILDING NURSING RELOCATION

220 E Kennedy St
 Spartanburg, SC 29302

OSE H59-6286-JM
 GMC ACST240005

MATRIX ENGINEERING, INC.
 No. 021034

MATRIX ENGINEERING, INC.
 No. 9501
 08/09/2024

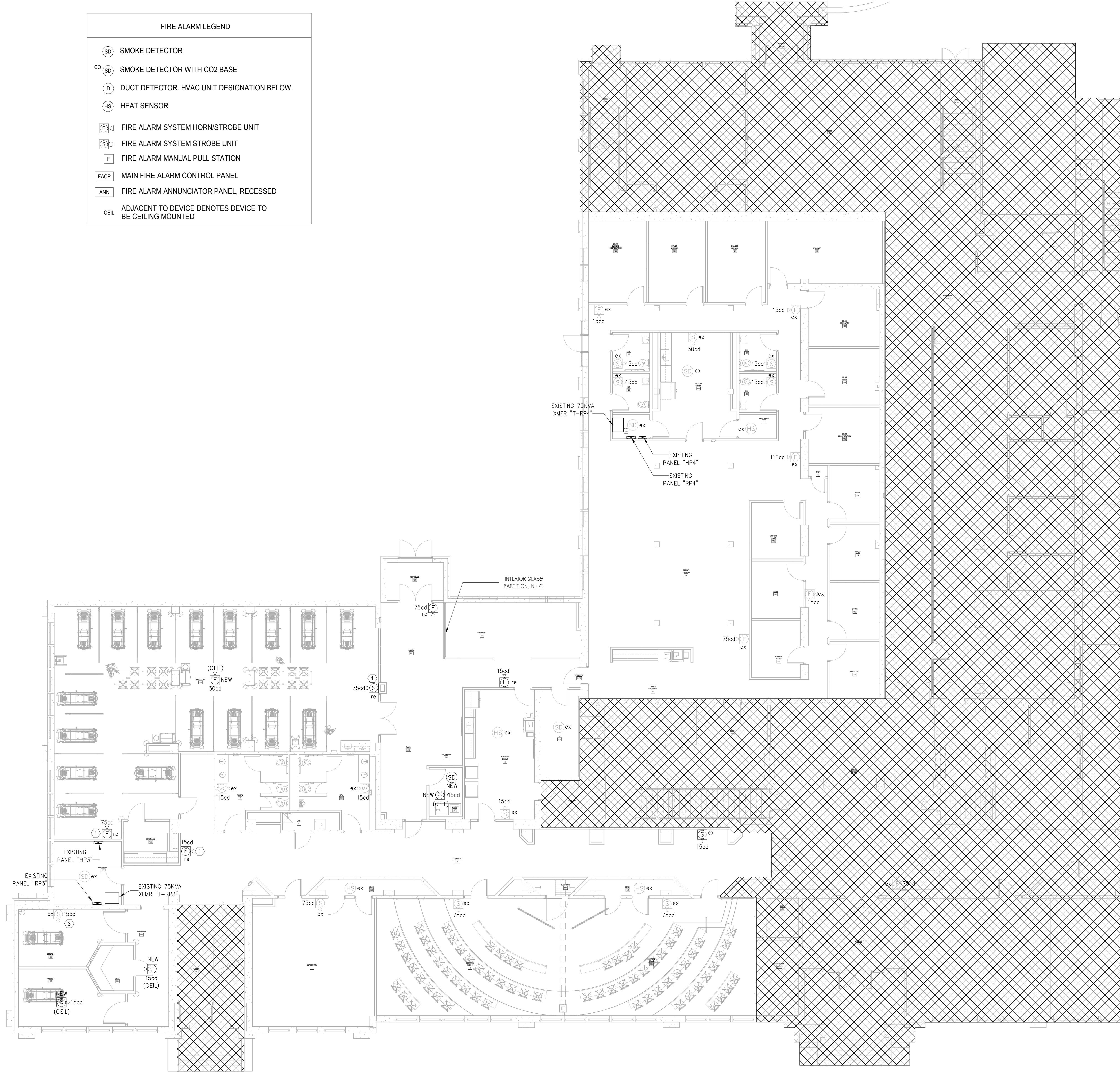
LIGHTING PLAN

E400

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FIRE ALARM LEGEND	
(SD)	SMOKE DETECTOR
(SD CO2)	SMOKE DETECTOR WITH CO2 BASE
(D)	DUCT DETECTOR, HVAC UNIT DESIGNATION BELOW.
(HS)	HEAT SENSOR
(F)	FIRE ALARM SYSTEM HORN/STROBE UNIT
(S)	FIRE ALARM SYSTEM STROBE UNIT
(F)	FIRE ALARM MANUAL PULL STATION
(FACP)	MAIN FIRE ALARM CONTROL PANEL
(ANN)	FIRE ALARM ANNUNCIATOR PANEL, RECESSED
(CEL)	ADJACENT TO DEVICE DENOTES DEVICE TO BE CEILING MOUNTED



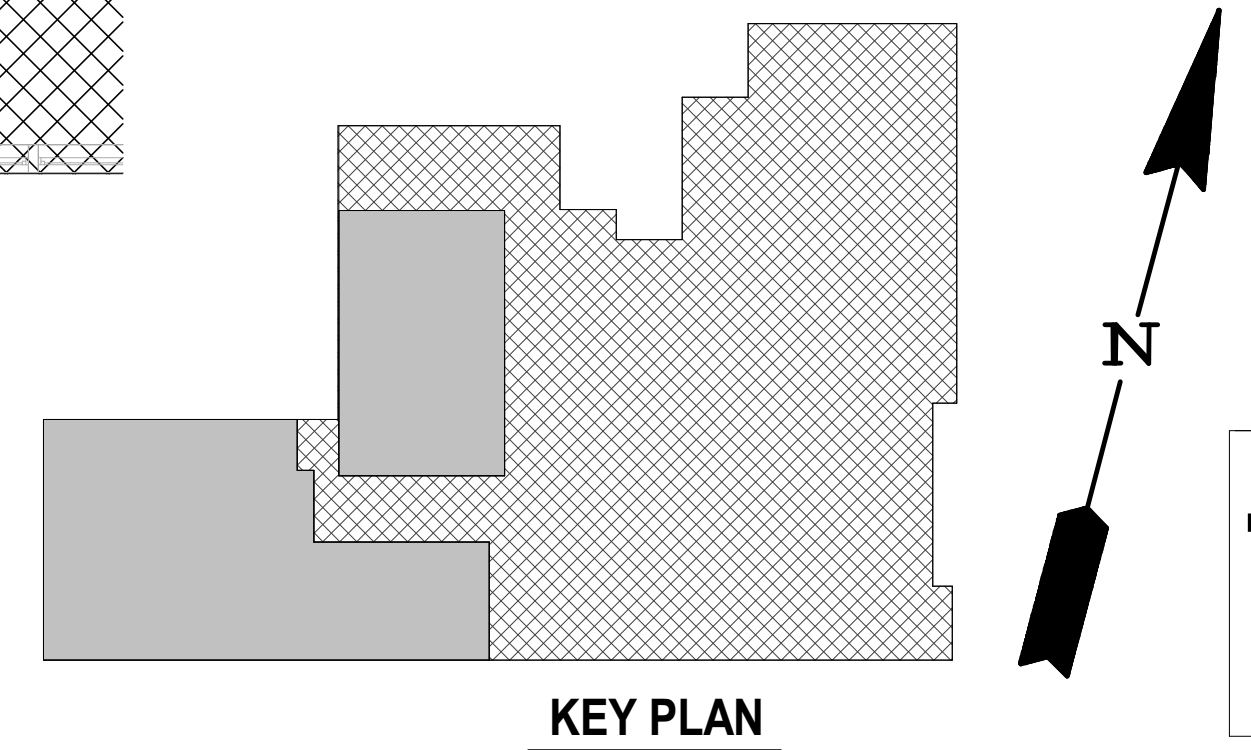
GENERAL NOTES:

- THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODE.
- MOUNT SMOKE DETECTOR WITHIN 5 FEET OF FACP AND NAC PANELS.
- ALL FIRE ALARM SYSTEM WIRING SHALL BE ROUTED IN TYPE EMT CONDUIT, CONDUIT SHALL BE PAINTED WITH A RED STRIPE AT 10 FOOT INTERVALS AND JUNCTION BOX COVERS SHALL BE PAINTED RED.
- MANUAL PULLS SHALL BE MOUNTED WITHIN 5 FEET OF WHERE PRESSURE IS APPLIED TO OPEN DOOR.
- ALL STROBE LIGHTS TO BE SYNCHRONIZED.
- STROBE OR SPEAKER STROBES SHALL NOT BE MOUNTED MORE THAN 15 FEET FROM THE END OF CORRIDORS.
- FIRE ALARM CONTRACTOR TO COORDINATE MOUNTING OF DEVICES WITH LIGHT FIXTURES, AUDIO SPEAKERS, MECHANICAL VENTS, AND ALL OTHER CEILING MOUNTED EQUIPMENT. SO AS TO NOT BLOCK VIEW OF THE AUDIO VISUALS.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE LABELED AS FIRE WALLS AND SHALL BE CAULKED WITH A UL APPROVED FIRE CAULKING SYSTEM EQUAL TO OR GREATER THAN THE RATING OF THE FIRE WALL. A LABEL SHALL BE APPLIED INDICATING THE APPROVED UL TYPE SYSTEM UTILIZED AT EACH PENETRATION.
- ALL CIRCUIT BREAKERS FEEDING FIRE ALARM COMPONENTS SHALL HAVE A LOCKING DEVICE RED IN COLOR.
- INSTALL A LABEL INDICATING THE DATE OF MANUFACTURER FOR ALL FIRE ALARM PANEL BACK-UP BATTERIES.
- NEW FIRE ALARM DEVICES TO BE UL RATED AND COMPATIBLE WITH EXISTING NOTIFIER FIRE ALARM SYSTEM.
- FIRE ALARM CONTRACTOR TO COORDINATE WITH FIRE PROTECTION CONTRACTOR TO VERIFY ALL THE QUANTITIES AND LOCATIONS OF ALL FIRE PROTECTION COMPONENTS REQUIRING MONITORING.
- "NEW" ADJACENT TO DEVICE DENOTES NEW FIRE ALARM DEVICE TO BE INSTALLED.
- LIGHTER COLORED DEVICES WITH "ex" ADJACENT DENOTES EXISTING DEVICES TO REMAIN.
- "re" DENOTES EXISTING DEVICE TO BE RELOCATED TO LOCATION SHOWN.

KEYED NOTES:

- DENOTES EXISTING HORN STROBE TO BE RELOCATED TO NEW LOCATION AS INDICATED.
- DENOTES EXISTING DEVICE TO BE REINSTALLED AFTER NEW CEILING IS INSTALLED.
- DENOTES EXISTING DEVICE WITH A RATING OF 75cd TO BE ADJUSTED TO 15cd.

1 FIRE ALARM PLAN
1/8" = 1'-0"
Scale: 1/8" = 1'-0"



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MATRIX ENGINEERING, INC.
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FIRE ALARM PLAN

E500