



Bid Set / Estimate
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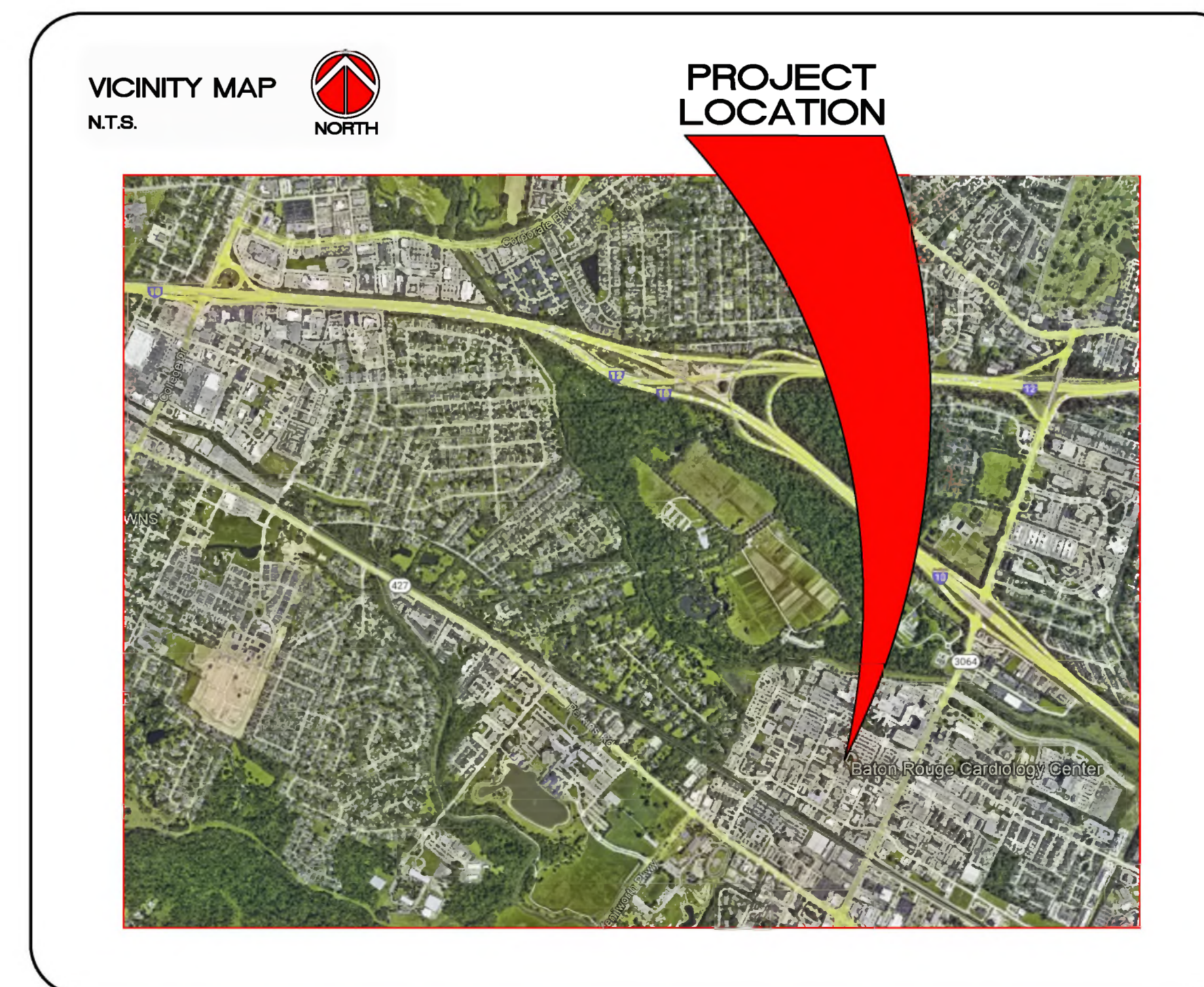


PET Scan Addition to BRCC

**5231 BRITTANY DRIVE
BATON ROUGE, LA 70808**

**ISSUED FOR: CONSTRUCTION SET
DATE: 2024.02.27**

**Stantec Project Number: 222706047
Client Project Number: N/A**



PROJECT TEAM:

OWNER

BATON ROUGE
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MECHANICAL ENGINEER

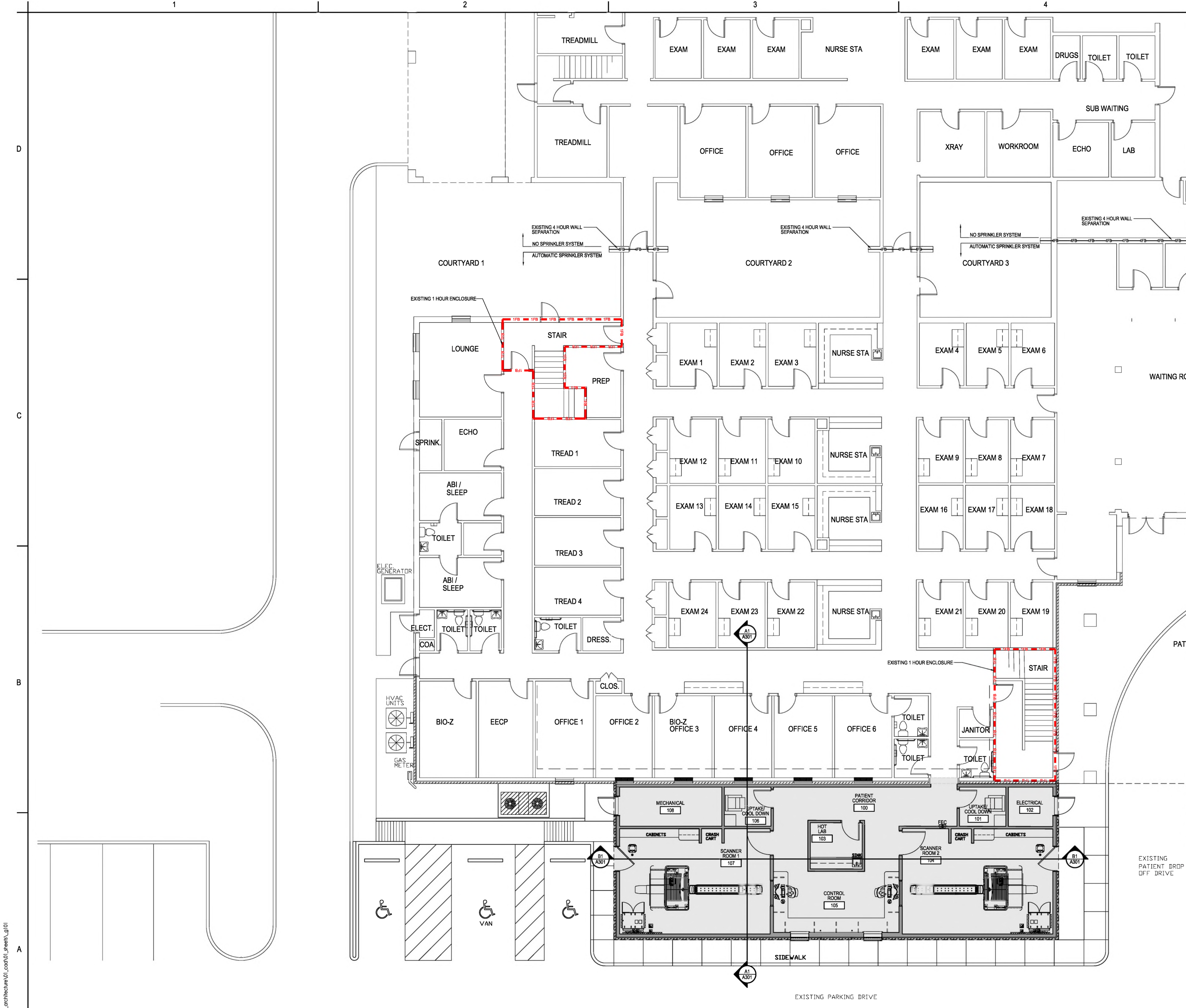
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LIFE SAFETY LEGEND

WALL / BARRIER SYMBOLS		
SYMBOL	DESCRIPTION	OPENING PROTECTION
[Red dashed line]	1 HR FIRE BARRIER	NFPA 101 TABLE 8.3.4.2
[Blue dashed line]	1 HR FIRE / SMOKE BARRIER	NFPA 101 TABLE 8.3.4.2
[Green dashed line]	2 HR FIRE BARRIER	90 MN
[Yellow dashed line]	2 HR FIRE / SMOKE BARRIER	90 MN
[Purple dashed line]	SMOKE BARRIER	20 MN
[Pink dashed line]	SMOKE RESISTIVE	SMOKE TIGHT
[Red solid line]	1 HR OCCUPANCY SEPARATION	45 MN
[Orange solid line]	2 HR OCCUPANCY SEPARATION	90 MN

[Shaded gray box]	SMOKE COMPARTMENT	[Hatched box]	HAZARDOUS LOCATION
[Shaded gray box]	SMOKE COMPARTMENT DESIGNATION	[Box with arrow]	EXIT ACCESS CORRIDOR
[Box with text 'SUITE:ZA']	SUITE DESIGNATION	[Box with 'FEC']	FIRE EXTINGUISHER AND CABINET

[Arrow pointing up]	REQUIRED EXIT (FP = PROVIDE PANIC HARDWARE)
[Arrow pointing right]	TRAVEL DISTANCE TO EXIT
[Arrow pointing left]	TRAVEL DISTANCE TO ADJACENT SMOKE COMPARTMENT
[Arrow pointing down]	TRAVEL DISTANCE TO TO EXIT SUITE
[Arrow with '200']	REQUIRED EGRESS CAPACITY (# OF OCC.)
[Arrow with '111']	DIRECTION OF MOVEMENT OF EGRESS CAPACITY
[Arrow with '200']	PROVIDED EGRESS CAPACITY (# OF OCC.)
[Line with 'X-X']	SEPARATION DISTANCE

A1 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

Consultant

Revision	By	Appd	YYYY/MM/DD

ISSUED



Client/Project
PET Scan Addition to
BRCC

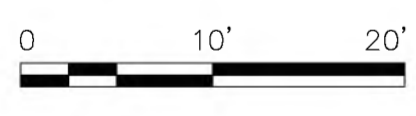
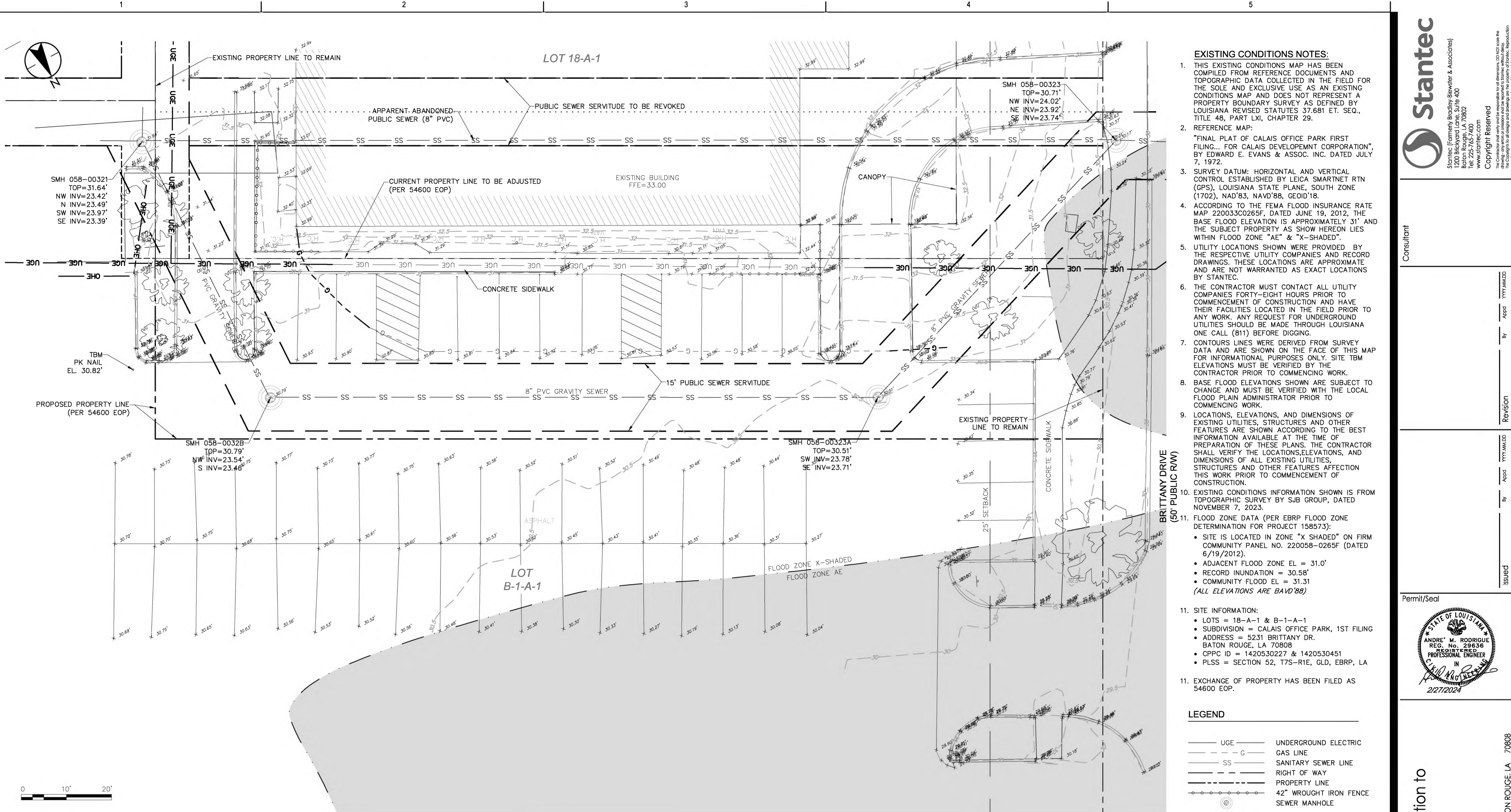
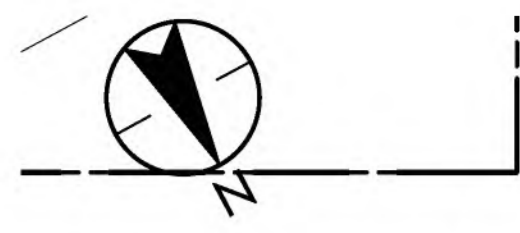
Project No.: 222706047
File Name: _G101
Scale: AS INDICATED
Dwn. Dgn. Crtd. YYY.MM.DD
2024.02.27

Title
FIRST FLOOR LIFE SAFETY PLAN

Revision: Sheet: of
Drawing No.

G101

5231 BRITANNY DRIVE BATON ROUGE, LA 70808



1 GRADING LAYOUT
1"=10'

EXISTING CONDITIONS NOTES:

- THIS EXISTING CONDITIONS MAP HAS BEEN COMPILED FROM REFERENCE DOCUMENTS AND TOPOGRAPHIC DATA COLLECTED IN THE FIELD FOR THE SOLE AND EXCLUSIVE USE AS AN EXISTING CONDITIONS MAP AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY AS DEFINED BY LOUISIANA REVISED STATUTES 37:681 ET. SEQ., TITLE 48, PART LXI, CHAPTER 29.
- REFERENCE MAP: "FINAL PLAT OF CALAIS OFFICE PARK FIRST FILING... FOR CALAIS DEVELOPEMNT CORPORATION", BY EDWARD E. EVANS & ASSOC. INC. DATED JULY 7, 1972.
- SURVEY DATUM: HORIZONTAL AND VERTICAL CONTROL ESTABLISHED BY LEICA SMARTNET RTN (GPS), LOUISIANA STATE PLANE, SOUTH ZONE (1702), NAD'83, NAVD'88, GEOID'18.
- ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP 220033C0265F, DATED JUNE 19, 2012, THE BASE FLOOD ELEVATION IS APPROXIMATELY 31' AND THE SUBJECT PROPERTY AS SHOWN HEREON LIES WITHIN FLOOD ZONE "AE" & "X-SHADED".
- UTILITY LOCATIONS SHOWN WERE PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AND RECORD DRAWINGS. THESE LOCATIONS ARE APPROXIMATE AND ARE NOT WARRANTED AS EXACT LOCATIONS BY STANTEC.
- THE CONTRACTOR MUST CONTACT ALL UTILITY COMPANIES FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK. ANY REQUEST FOR UNDERGROUND UTILITIES SHOULD BE MADE THROUGH LOUISIANA ONE CALL (811) BEFORE DIGGING.
- CONTOUR LINES WERE DERIVED FROM SURVEY DATA AND ARE SHOWN ON THE FACE OF THIS MAP FOR INFORMATIONAL PURPOSES ONLY. SITE TBM ELEVATIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
- BASE FLOOD ELEVATIONS SHOWN ARE SUBJECT TO CHANGE AND MUST BE VERIFIED WITH THE LOCAL FLOOD PLAIN ADMINISTRATOR PRIOR TO COMMENCING WORK.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- EXISTING CONDITIONS INFORMATION SHOWN IS FROM TOPOGRAPHIC SURVEY BY SJB GROUP, DATED NOVEMBER 7, 2023.
- FLOOD ZONE DATA (PER EBRP FLOOD ZONE DETERMINATION FOR PROJECT 158573):
 - SITE IS LOCATED IN ZONE "X SHADED" ON FIRM COMMUNITY PANEL NO. 220058-0265F (DATED 6/19/2012).
 - ADJACENT FLOOD ZONE EL = 31.0'
 - RECORD INUNDATION = 30.58'
 - COMMUNITY FLOOD EL = 31.31'
 - (ALL ELEVATIONS ARE NAVD'88)
- SITE INFORMATION:
 - LOTS = 18-A-1 & B-1-A-1
 - SUBDIVISION = CALAIS OFFICE PARK, 1ST FILING
 - ADDRESS = 5231 BRITTANY DR. BATON ROUGE, LA 70808
 - CPPC ID = 1420530227 & 1420530451
 - PLSS = SECTION 52, T7S-R1E, GLD, EBRP, LA
- EXCHANGE OF PROPERTY HAS BEEN FILED AS 54600 EOP.

LEGEND

- UGE --- UNDERGROUND ELECTRIC
- C --- GAS LINE
- SS --- SANITARY SEWER LINE
- --- RIGHT OF WAY
- --- PROPERTY LINE
- 42" WROUGHT IRON FENCE --- SEWER MANHOLE
- FLOOD ZONE "AE"

Stantec
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 www.stantec.com
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Revision	
By	YYT/AM/DD
Appr	
ISSUED	

Permit/Seal

ANDRE M. RODRIGUE
 REG. No. 29636
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 2/27/2024

Client/Project
PET Scan Addition to BRCC
 5231 BRITTANY DRIVE BATON ROUGE, LA 70808

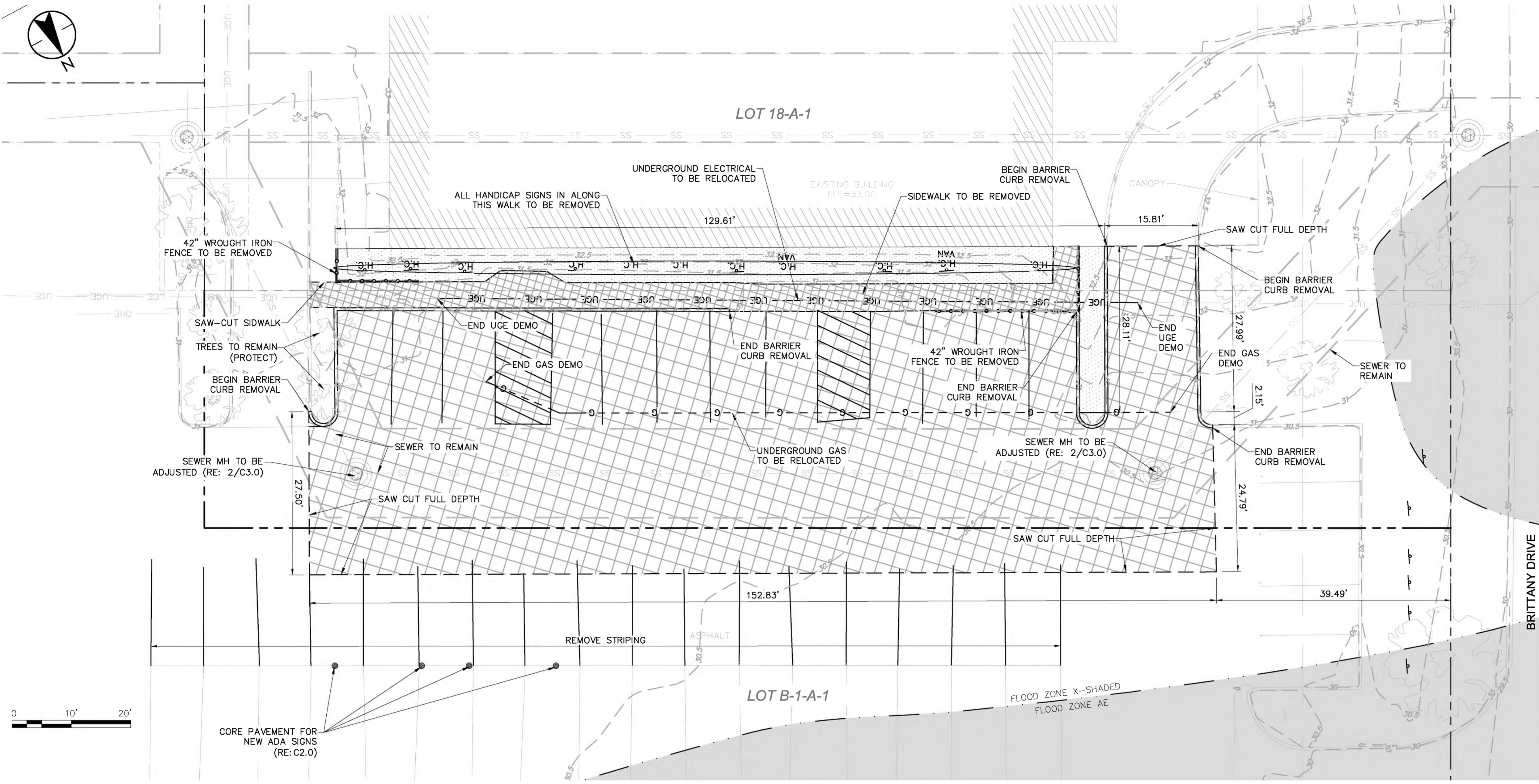
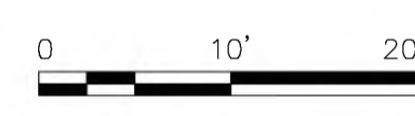
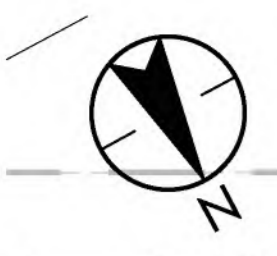
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 File Name: C1.0 EXISTING CONDITIONS
 Scale: 1"=10'

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Dwn.	Desgn.	Chkd.	YYYY.MM.DD

Title
EXISTING CONDITION

Revision: Sheet: of
 Drawing No.
C1.0

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1 SITE DEMOLITION LAYOUT
C1.1 1"=10'

DEMOLITION NOTES:

- UTILITY LOCATIONS SHOWN WERE PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. THESE LOCATIONS ARE APPROXIMATE AND ARE NOT WARRANTED AS EXACT LOCATIONS BY STANTEC.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE EXISTENCE OF AND THE EXACT LOCATION OF ALL UTILITIES WITHIN AND ADJACENT TO THE PROJECT. THE CONTRACTOR MUST CONTACT ALL UTILITY COMPANIES FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK. ANY REQUEST FOR UNDERGROUND UTILITIES SHOULD BE MADE THROUGH LOUISIANA ONE CALL (811) BEFORE BEFORE DIGGING.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS SHALL BE DISPOSED OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS OR AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER.
- CONTRACTOR SHALL MAINTAIN DRAINAGE AWAY FROM BUILDING PADS & FOUNDATIONS AT ALL TIMES.
- THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS NOT PROPOSED FOR PAVEMENT OR GRAVEL WILL BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.
- PAVEMENT REMOVAL INCLUDES ALL PAVEMENT INCLUDING CURBS, CONCRETE, ASPHALT, SIDEWALKS, ETC. AND STRUCTURAL BASE.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL SUBSURFACE ITEMS CONNECTED TO THE ITEMS LABELED TO BE REMOVED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALTERNATE MEANS OF SERVICE IF ITEMS REMOVED INTERRUPT SERVICE.
- ALL ITEMS WITHIN DEMOLITION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- MONUMENTS AND OTHER SURVEY CONTROL POINTS SHALL BE PROTECTED FROM DAMAGE AND DISTURBANCE, IF ANY CONTROL POINTS ARE DAMAGED OR DISTURBED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND REPLACE THE CONTROL POINTS TO THEIR ORIGINAL CONDITION AT HIS OWN EXPENSE.

DEMOLITION LEGEND

- ASPHALT PAVEMENT TO BE REMOVED
- CONCRETE PAVEMENT TO BE REMOVED
- CLEARING AND GRUBBING AREA
- 42" WROUGHT IRON FENCE TO BE REMOVED



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Revision	By	App'd	YTYT.MMM.DD

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Client/Project
PET Scan Addition to
BRCC

5231 BRITTANY DRIVE BATON ROUGE, LA 70808

Project No.: 222706047
File Name: C1.1 DEMO LAYOUT
Scale: 1"=10'

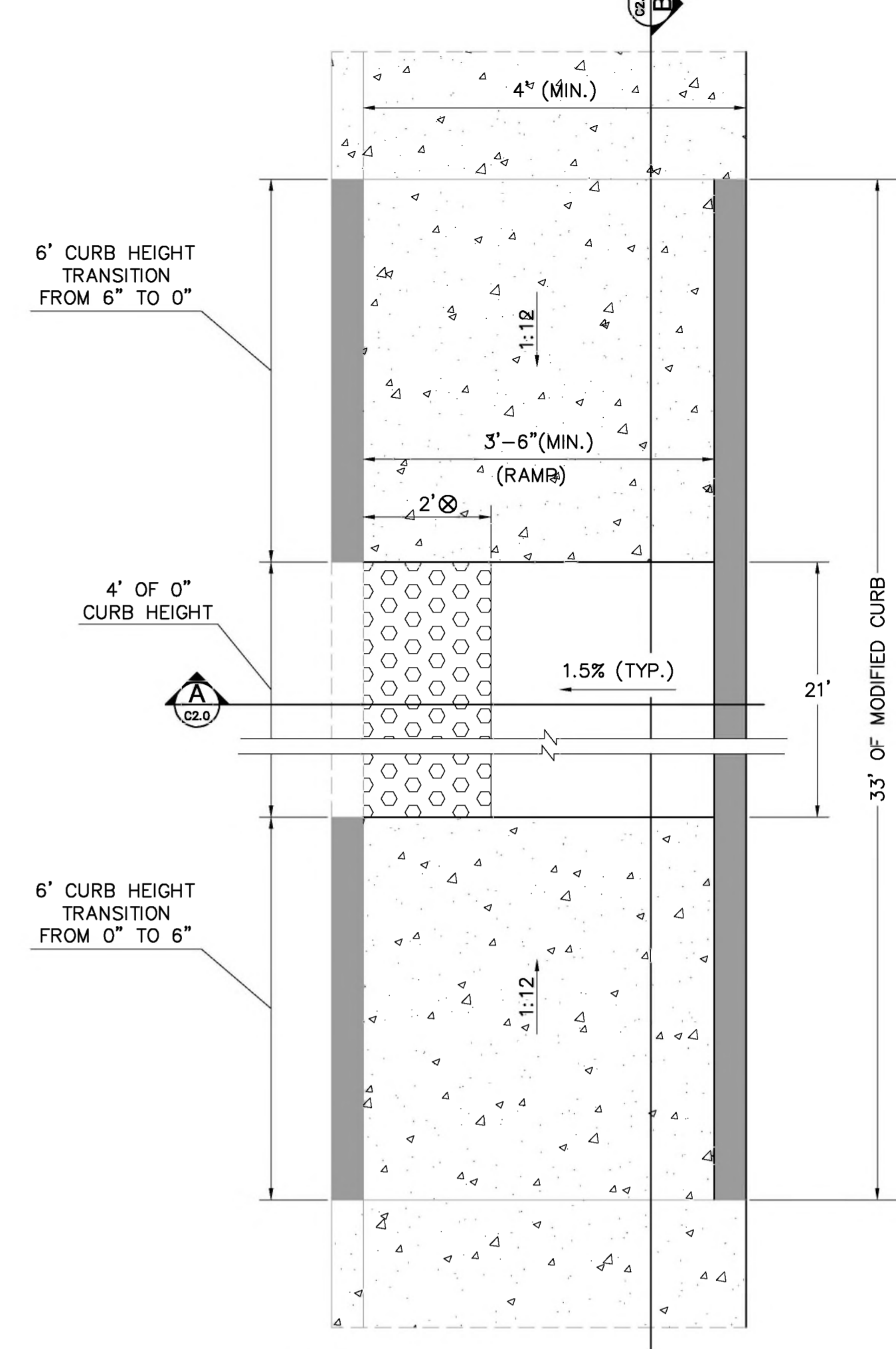
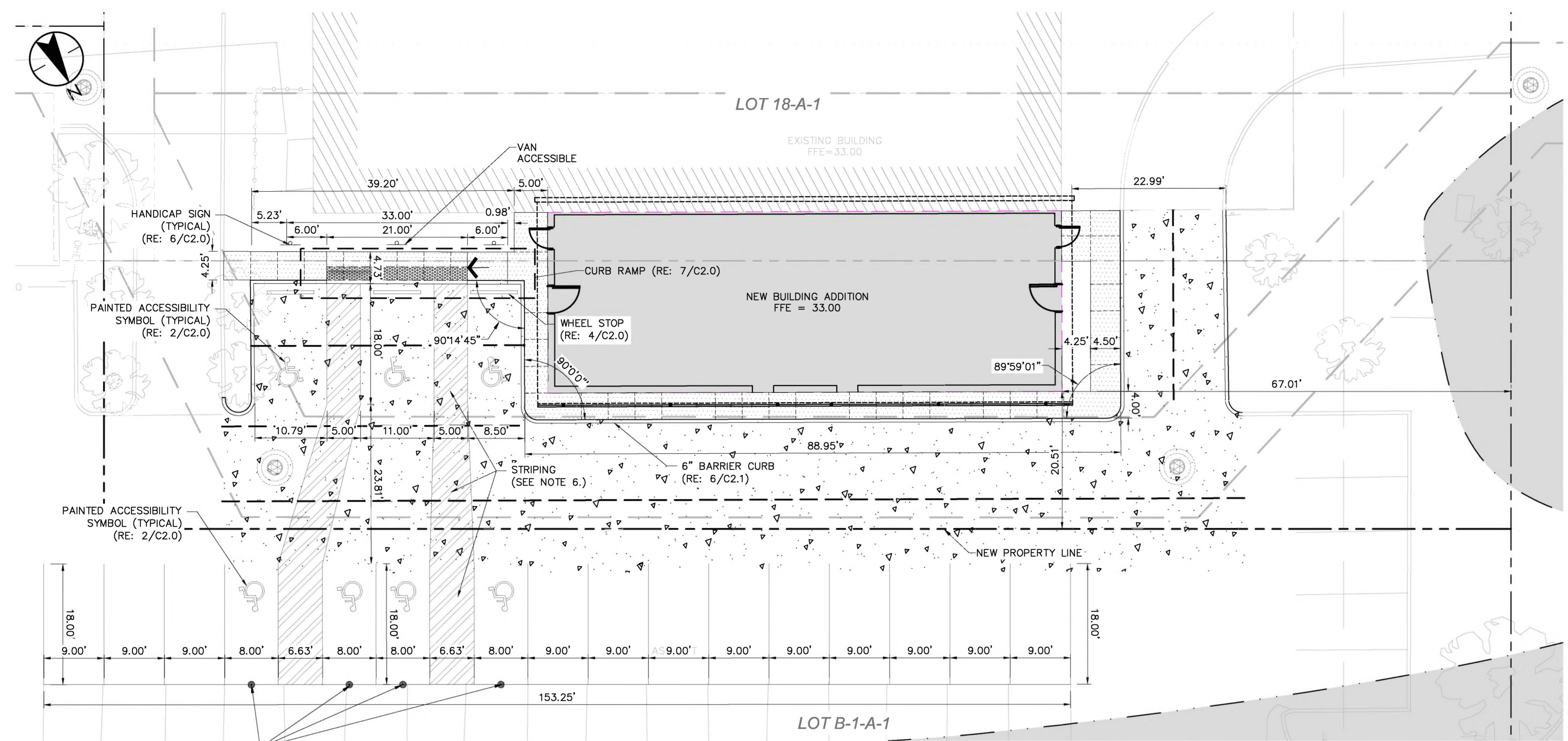
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Date: 2024.02.27

Title
SITE DEMOLITION LAYOUT

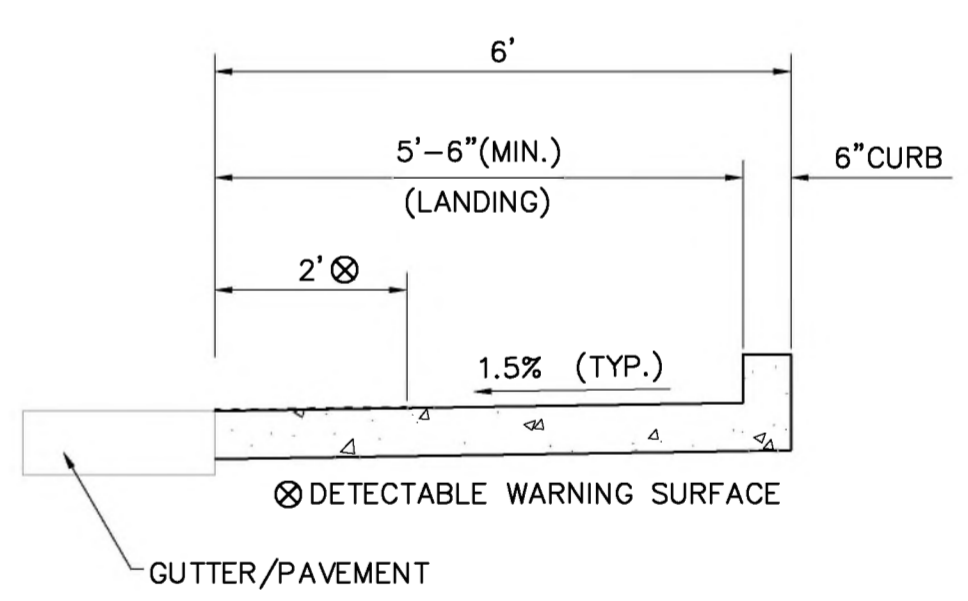
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Drawing No.

C1.1

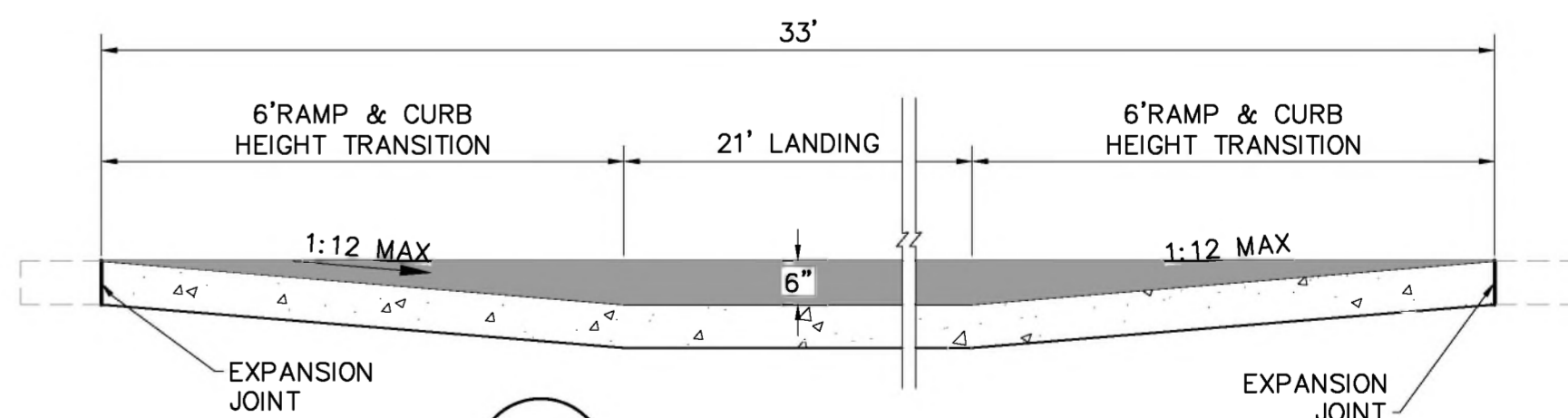
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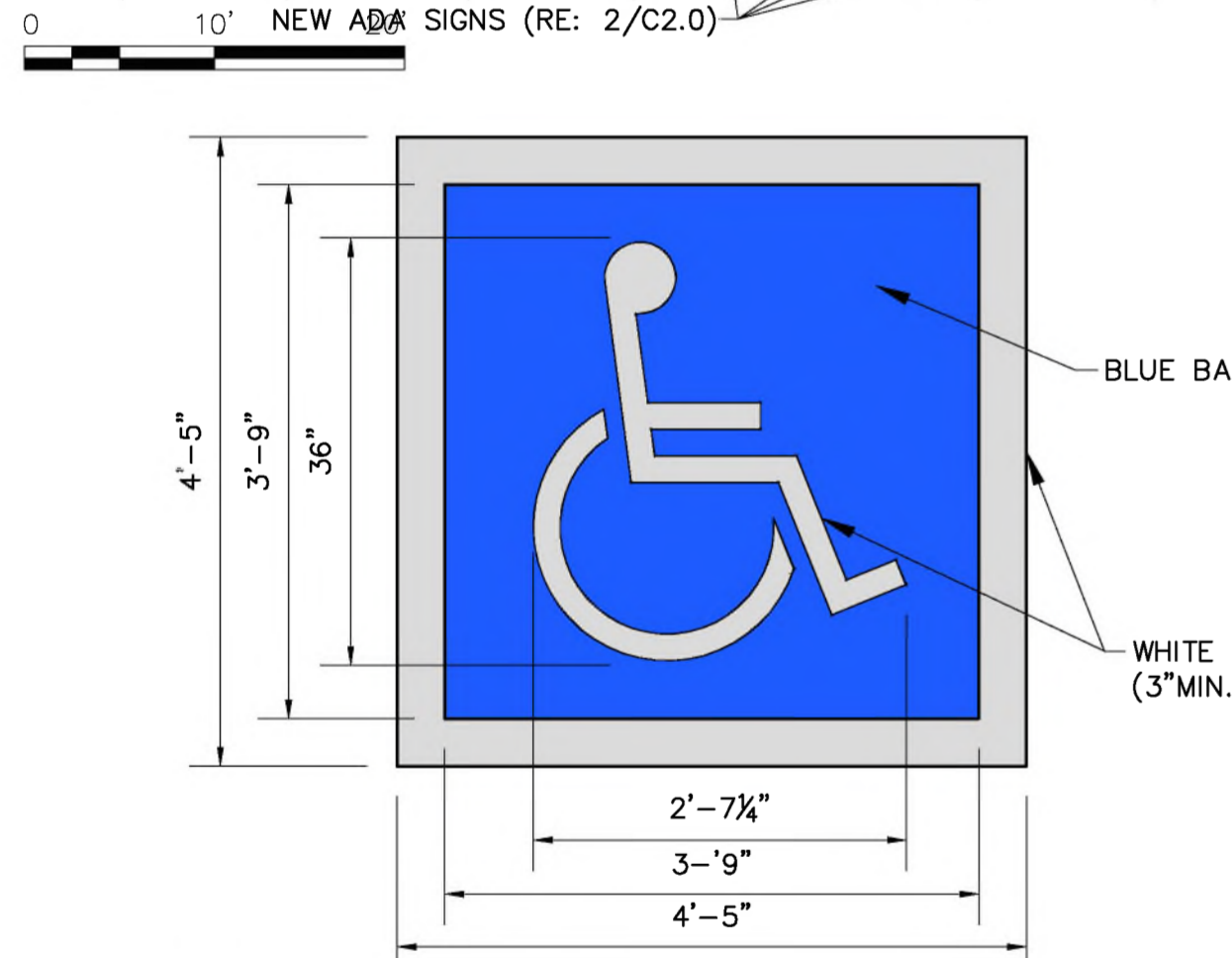
7 DETAIL-CURB RAMP
C2.0 N.T.S.



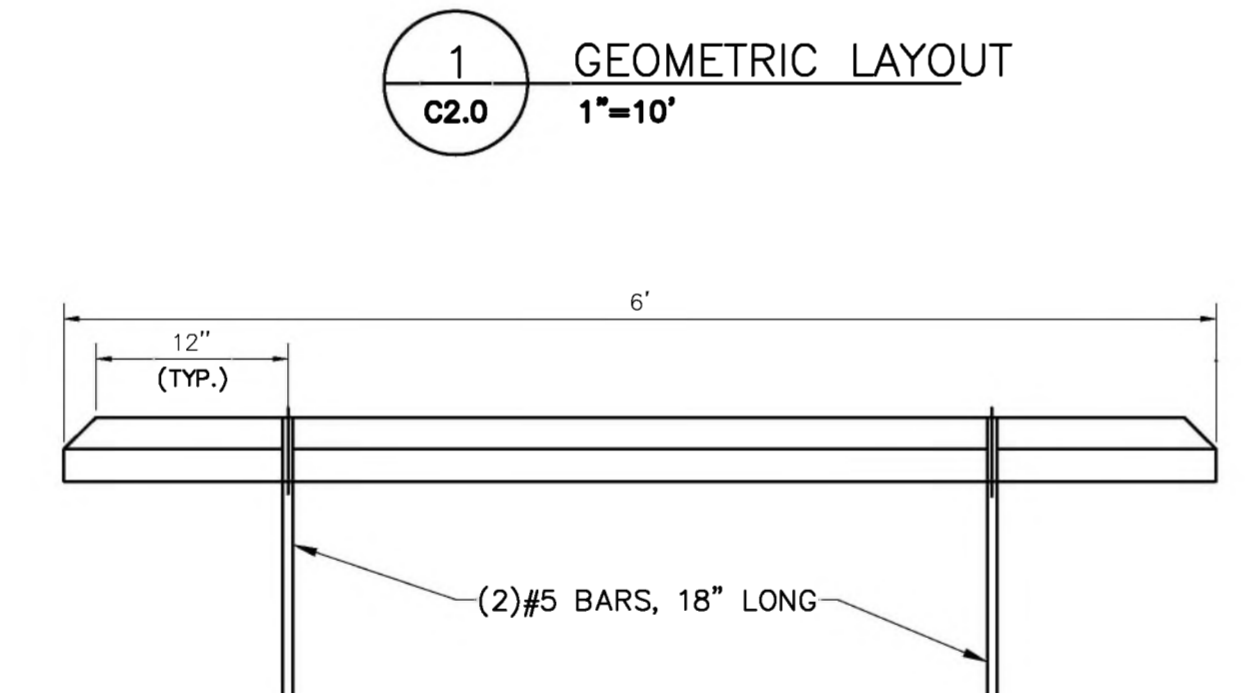
8 SECTION A-CURB RAMP
C2.0 N.T.S.



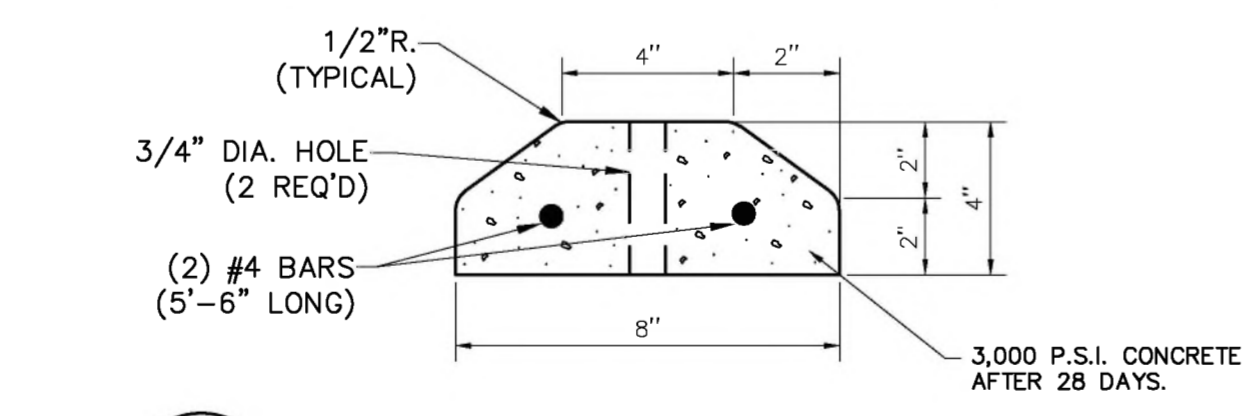
9 SECTION B-CURB RAMP
C2.0 N.T.S.



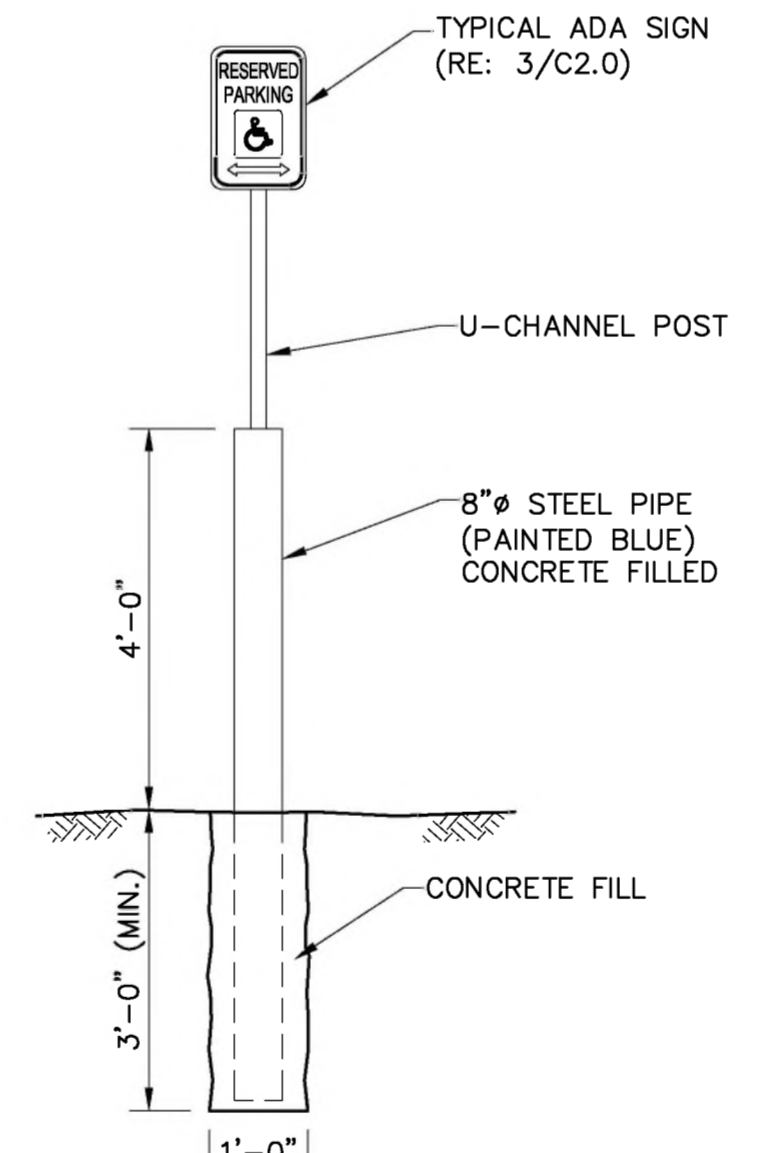
2 DETAIL-PAINTED ACCESSIBILITY SYMBOL
C2.0 N.T.S.



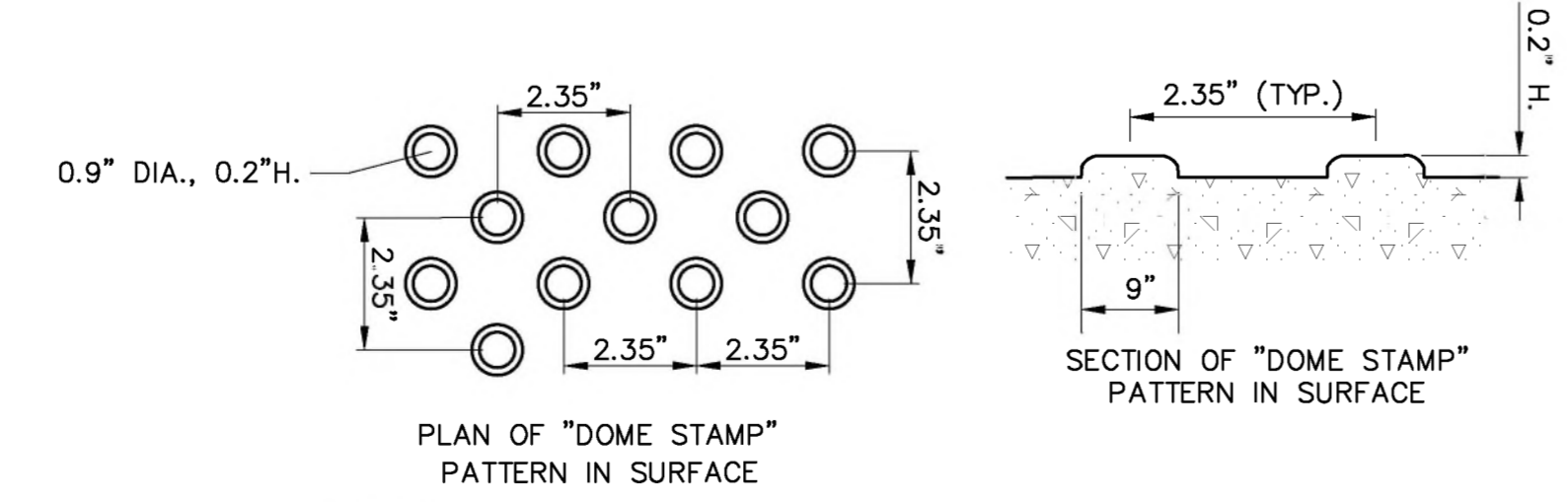
1 GEOMETRIC LAYOUT
C2.0 1"=10'



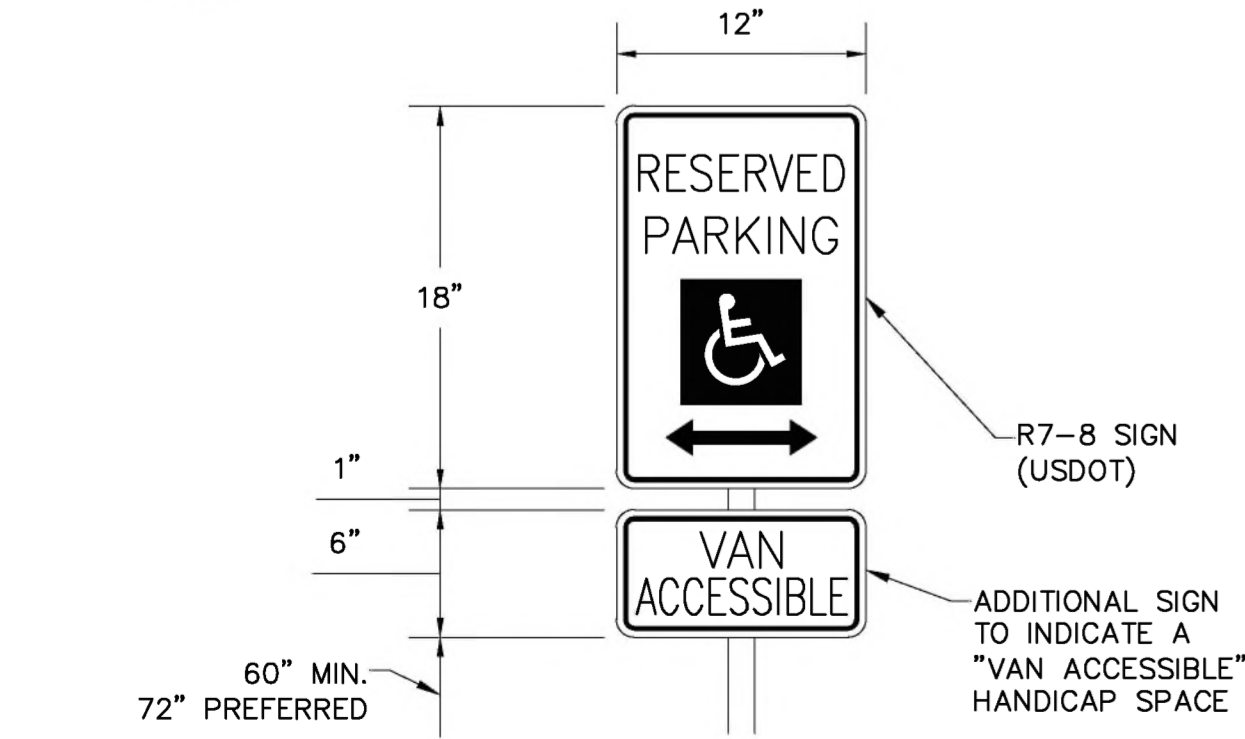
4 DETAIL-PRECAST CONCRETE WHEEL STOP
C2.0 N.T.S.



6 DETAIL-ACCESSIBLE SIGN POST
C2.0 N.T.S.



5 DETAIL-DETECTABLE WARNING SURFACE
C2.0 N.T.S.



3 DETAIL-ACCESSIBILITY SIGN
C2.0 N.T.S.

- NOTES:**
1. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE ACROSS OPEN PAVEMENT MUST NOT EXCEED 1:20, WITH A CROSS SLOPE NOT EXCEEDING 1:50, SLOPES EXCEEDING 1:20, BUT LESS THAN 1:12, CONSTITUTE RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN HANDRAILS, CURBS, LANDINGS, RISE AND RUN LIMITS) AS NOTED BELOW. NO RAMP SHALL HAVE A RUNNING SLOPE EXCEEDING 1:12, NOR HAVE A CROSS SLOPE EXCEEDING 1:50. CURB RAMPS HAVE A MAXIMUM RISE OF 6" AND DO NOT REQUIRE HANDRAILS OR EDGE PROTECTION. CURB RAMPS MUST HAVE A DETECTABLE WARNING FEATURE, EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP INCLUDING ANY FLARES.
 2. EACH ACCESSIBLE PARKING SPACE IS TO BE A MINIMUM OF 8' WIDE AND HAVE A 96" MINIMUM ACCESS AISLE FOR VANS OR 60" ACCESS AISLE FOR CARS ADJACENT TO THE SPACE.
 3. ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE LEVEL WITH A SLOPE OF NO MORE THAN 2% (1:50) IN ALL DIRECTIONS.
 4. EACH PARKING SPACE ACCESS AISLE MUST CONNECT TO A COMMON LEVEL WITH AN ACCESSIBLE ROUTE. I.E. EACH ACCESS AISLE NEXT TO A PARKING SPACE MUST HAVE A CURB RAMP.
 5. RAMPS MUST NOT EXTEND OUT THE CURB INTO THE ACCESS AISLE OF ANY ACCESS PARKING SPACE.
 6. HANDICAP AISLE STRIPING SHALL BE 8" IN WIDTH, WITH DIAGONAL STRIPES AT 45° AND BLUE. HANDICAP STALL STRIPES SHALL BE 4" IN WIDTH AND BLUE. ALL STALLS MUST HAVE HANDICAP SYMBOL PAVEMENT MARKING (60"x66" MIN.).
 7. HANDICAP SIGNAGE SHALL BE INSTALLED PER APPLICABLE CODE (MIN. 60" ABOVE PAVEMENT).

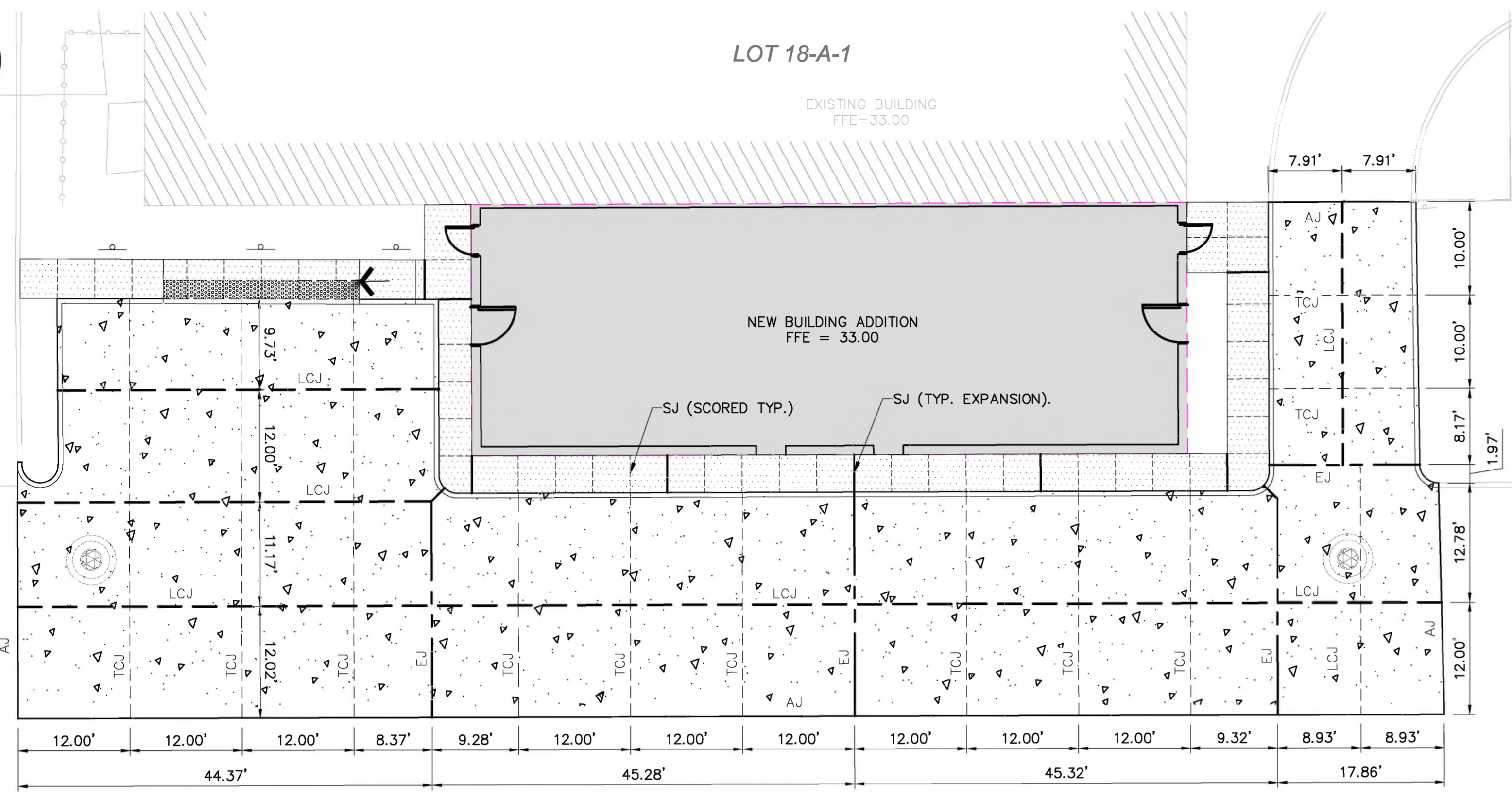
Consultant

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PAVING AND JOINT LEGEND

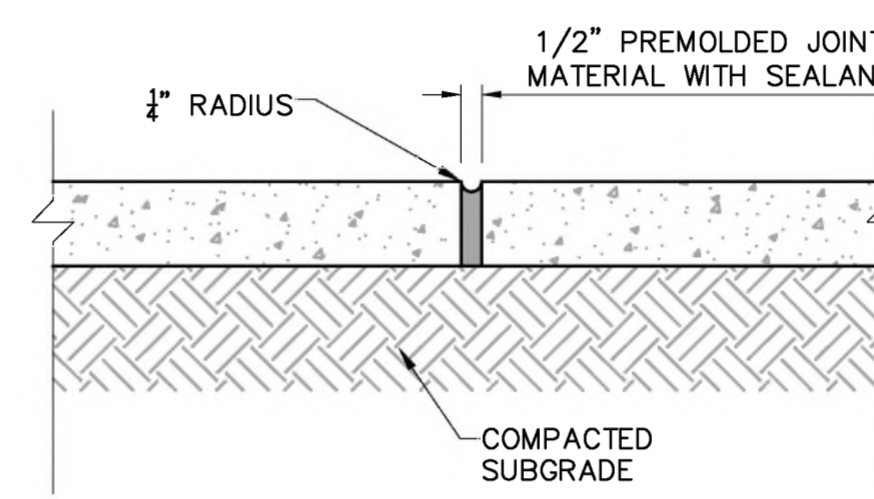
- EXPANSION JOINT (RE: 3/C2.1)
- TRANSVERSE CONTRACTION JOINT (RE: 4/C2.1)
- LONGITUDINAL CONTRACTION JOINT (RE: 5/C2.1)
- ASPHALT JOINT (RE: 9/C2.1)
- SIDEWALK JOINT (RE: 8/C2.1)

GENERAL PAVING NOTES:

1. ALL PAVEMENT CONCRETE SHALL BE 4000 PSI AND STEEL REINFORCEMENT SHALL BE GRADE 60.
2. ALL JOINTS TO BE SEALED.

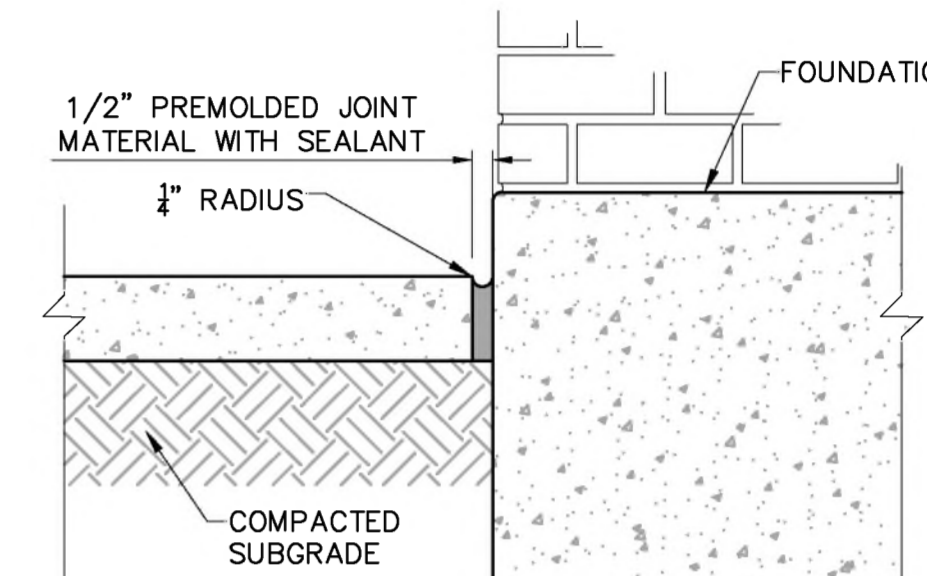
AUTOMOBILE PARKING & TRAVEL LANE PAVEMENT SECTION: NEW 6" THICK REINFORCED CONCRETE PAVEMENT (T_p) OVER 4" THICK COMPACTED GRANULAR BASE COURSE (T_b)

SIDEWALK PAVEMENT SECTION: NEW 4" THICK REINFORCED CONCRETE PAVEMENT WITH COMPACTED SELECT FILL



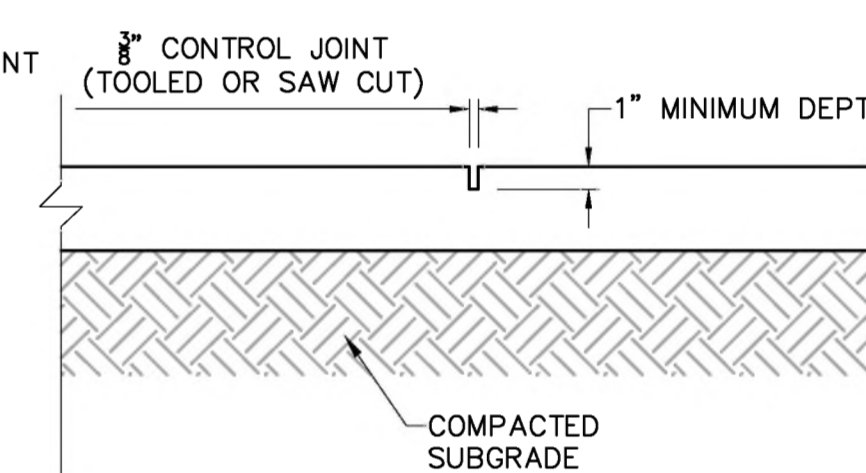
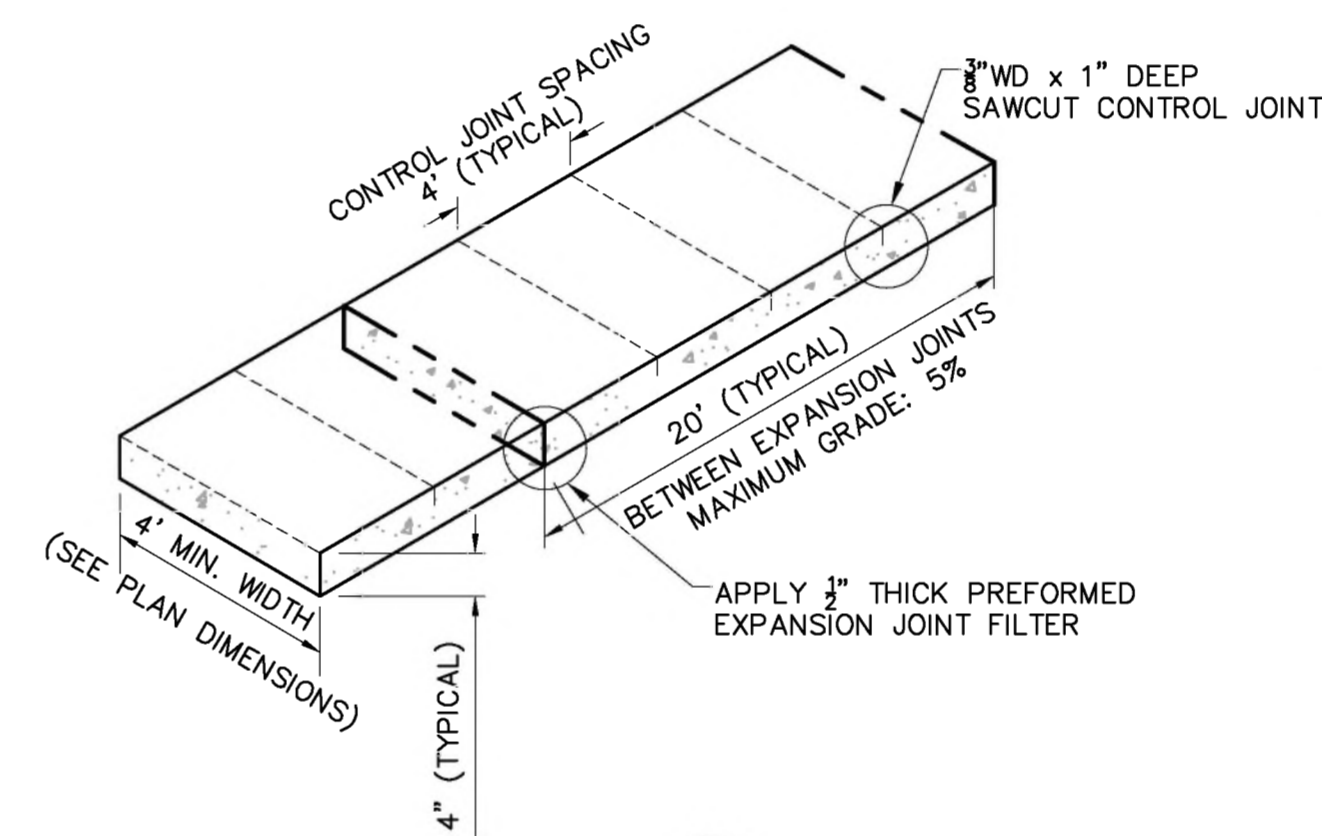
EXPANSION JOINT

1. INSTALL EXPANSION JOINT ANYWHERE CONCRETE ABUTS CONCRETE CURB OR ASPHALT



EXPANSION JOINT AT STRUCTURE

1. INSTALL EXPANSION JOINT ANYWHERE CONCRETE ABUTS FOUNDATION WALL



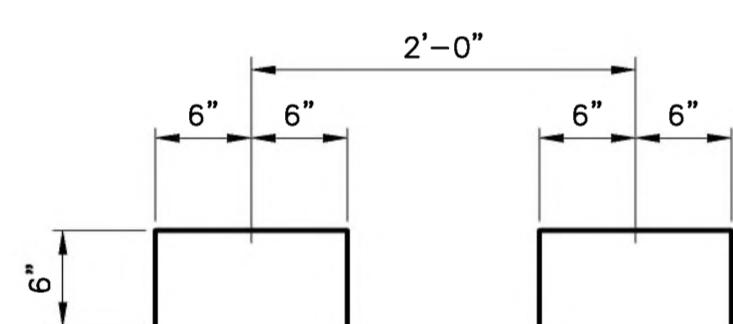
CONTROL JOINTS

1. CONTROL JOINTS EVERY 4'

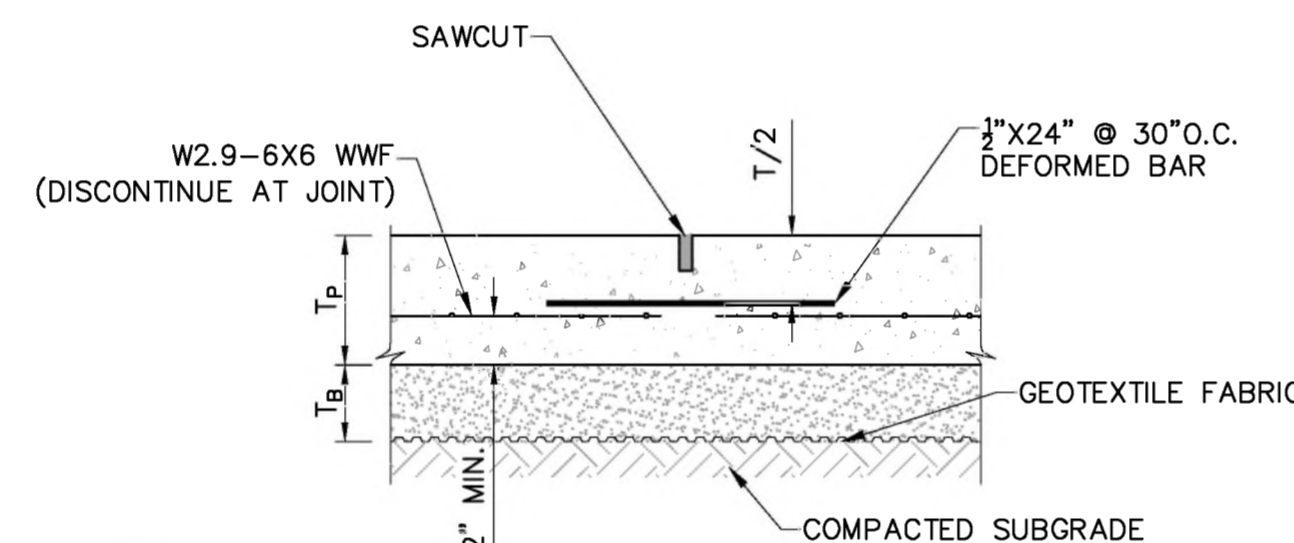
SIDEWALK NOTES:

1. CONCRETE THICKNESS TO BE 4" UNLESS OTHERWISE NOTED.
2. CONCRETE TO BE ON COMPACTED SUBGRADE OR GRANULAR BASE.
3. ALL SIDEWALKS SHALL HAVE 6X6-W1.4XW1.4 REINFORCING PLACED IN MIDDLE OF THICKNESS.

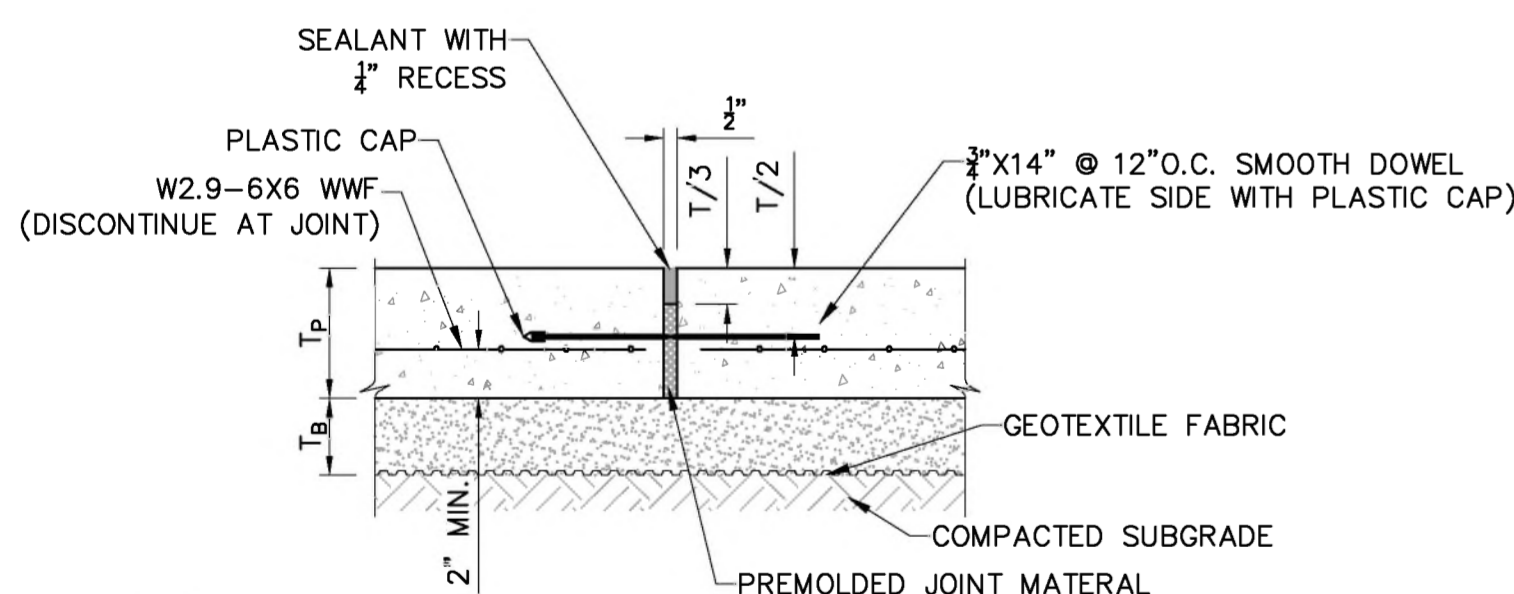
1 GRADING LAYOUT
C2.1 1"=10'



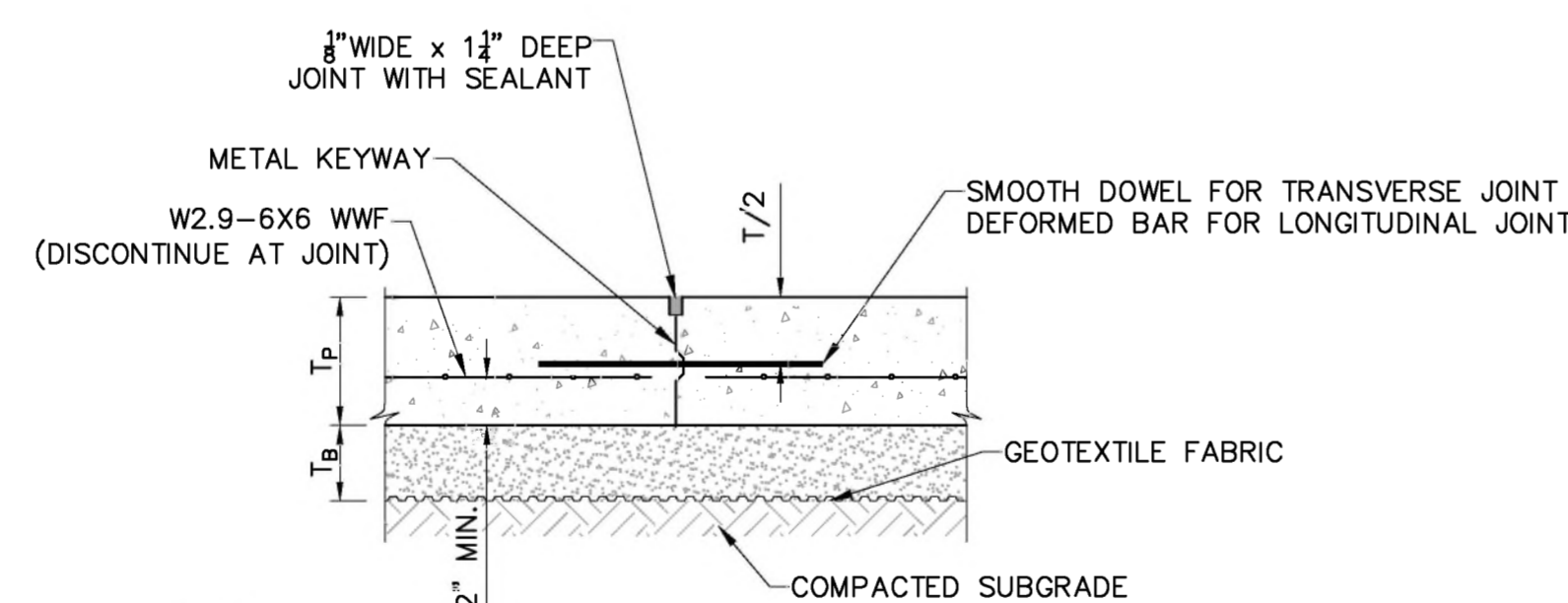
2 DETAIL-CURB U-DOWEL (#4 BARS)
C2.1 N.T.S.



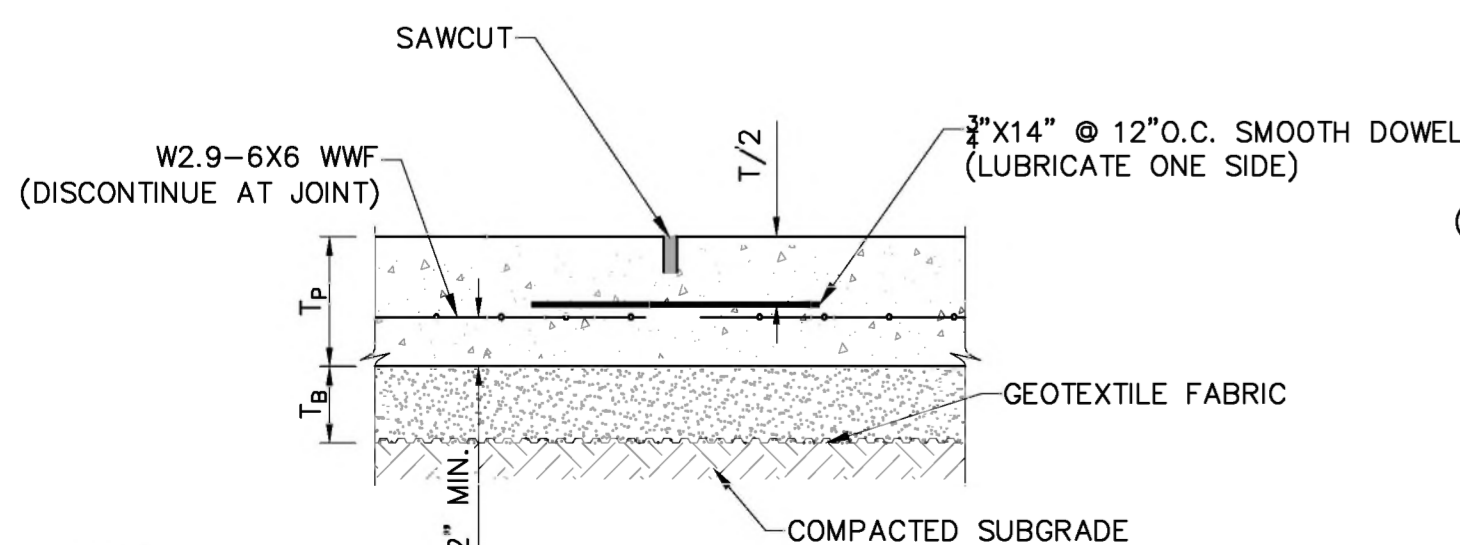
5 DETAIL-LONGITUDINAL CONTRACTION JOINT (LCJ)
C2.1 N.T.S.



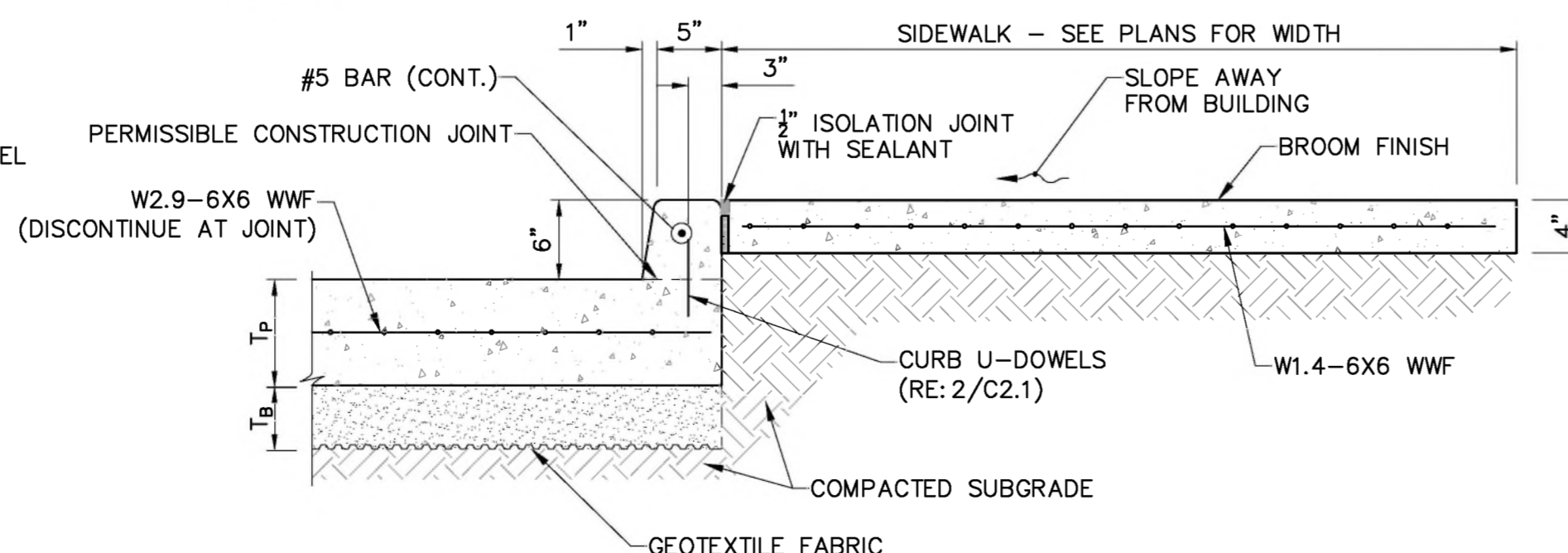
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C2.1 N.T.S.



6 DETAIL-CONSTRUCTION JOINT (KEYWAY)
C2.1 N.T.S.

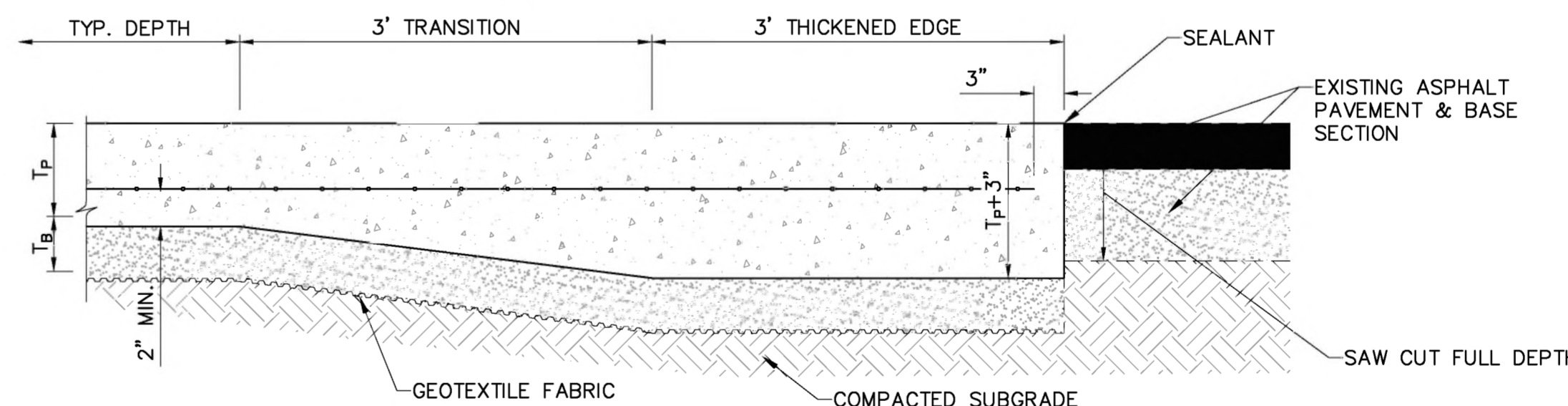


4 DETAIL-TRANSVERSE CONTRACTION JOINT (TCJ)
C2.1 N.T.S.

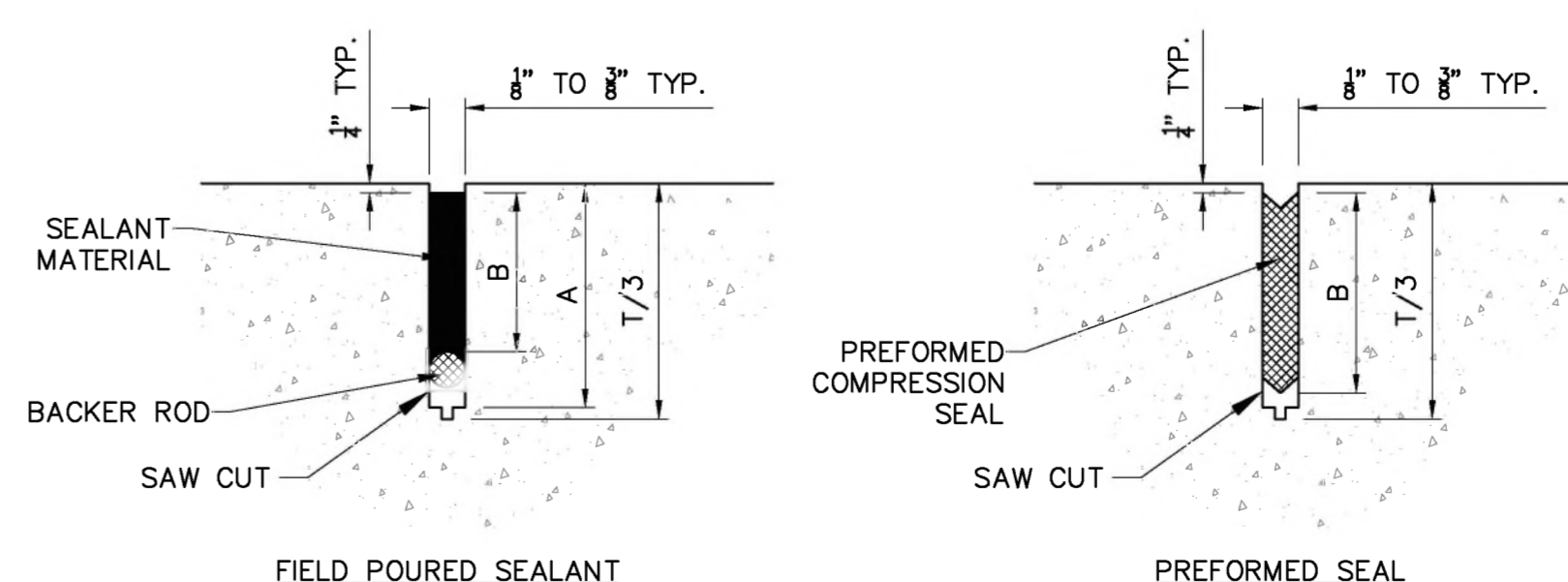


7 SECTION-BARRIER CURB(6") & SIDEWALK
C2.1 N.T.S.

8 DETAIL-SIDEWALK JOINTS
C2.1 N.T.S.



9 DETAIL-ASPHALT JOINT (AJ)
C2.1 N.T.S.

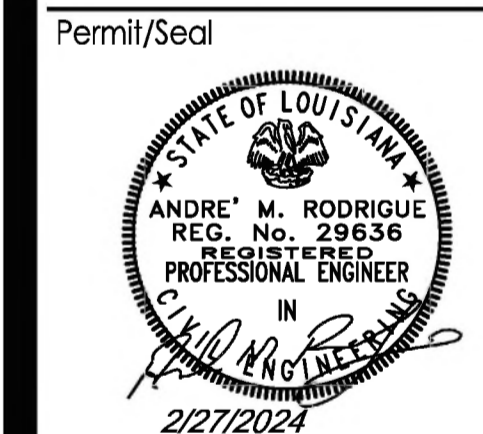


10 DETAIL-SAW CUT JOINT
C2.1 N.T.S.

- NOTES:
- A. AS REQUIRED TO ACCOMMODATE SEALANT AND BACKER ROD
 - B. AS REQUIRED BY MANUFACTURER



Consultant	By	YTYT/AM/DD
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Revision	By	YTYT/AM/DD
Appd	By	YTYT/AM/DD
ISSUED	By	YTYT/AM/DD

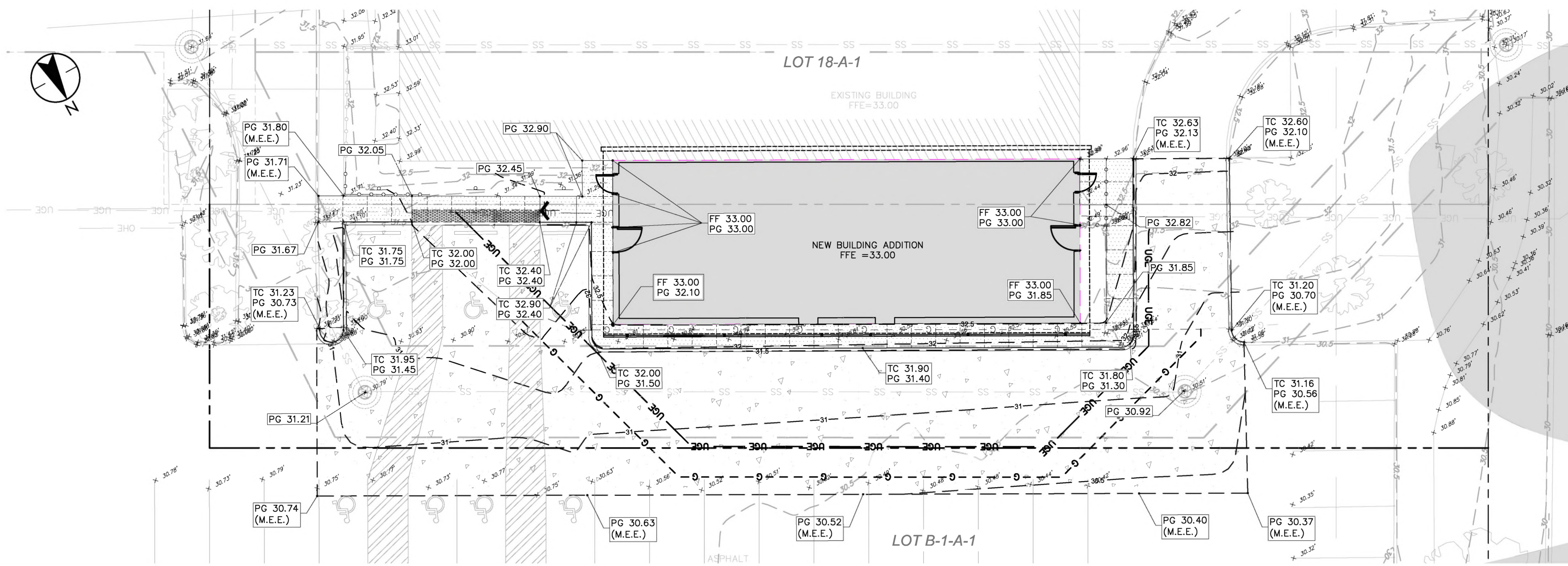


Client/Project: **PET Scan Addition to BRCC**
 Project No.: 222706047
 File Name: C2.1 PAVING_JOINTS_LAYOUT
 Scale: AS SHOWN
 Dwn. AMR 2024.02.27
 Dgn. KKR 2024.02.27
 Crkd. YTYT/AM/DD

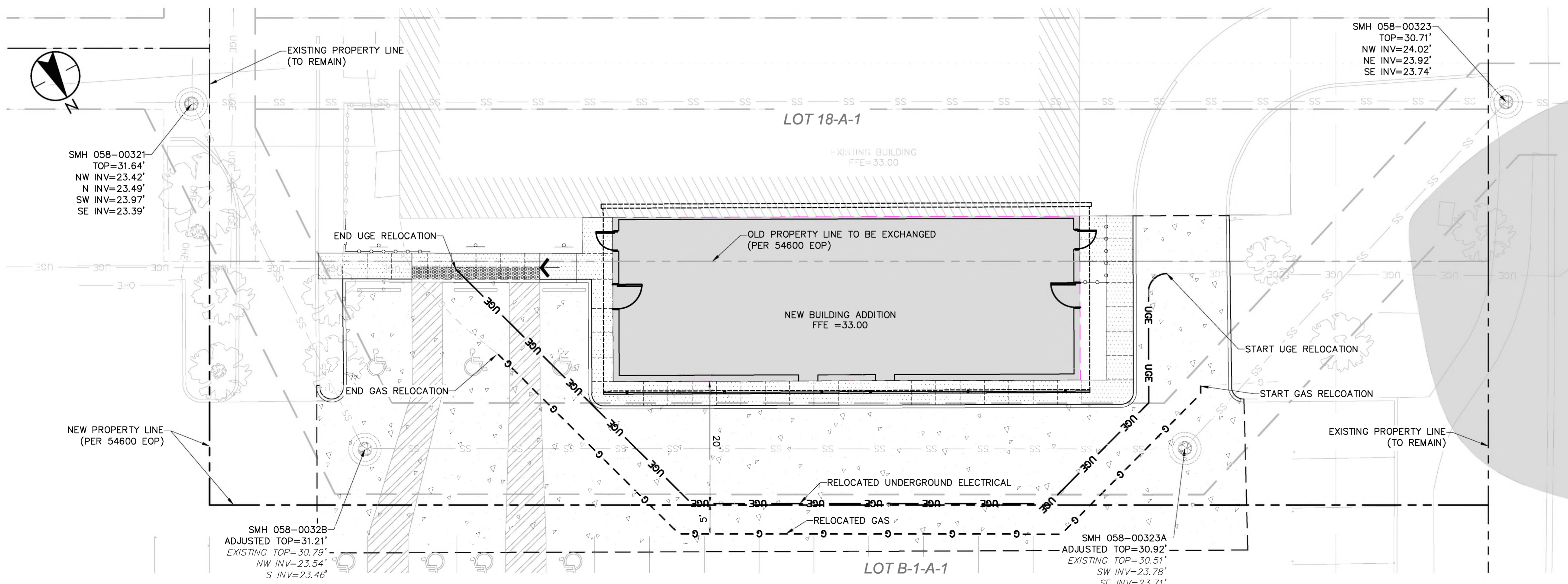
Title: **PAVING AND JOINT LAYOUT**
 Revision: _____ Sheet: _____ of _____
 Drawing No. _____

C2.1

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1 GRADING LAYOUT
C3.0 1"=10'



2 UTILITY LAYOUT
C3.0 1"=10'

GRADING NOTES:

1. MAINTAIN FINISH FLOOR ELEVATION AT BUILDING DOORS.
2. ALL ELEVATIONS AT EXISTING FEATURES (BUILDING, PAVEMENT, DRAINAGE STRUCTURE, ETC.) SHALL BE VERIFIED ON JOB.
3. SITE PREPARATION, FILL PLACEMENT AND COMPACTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH TECHNICAL SPECIFICATION. CONTRACTOR SHALL ALWAYS MAINTAIN DRAINAGE AWAY FROM BUILDING LIMITS. PLACE A MUDMAT OF LEAN CONCRETE IN EXCAVATIONS NEAR BUILDING LIMITS IF EXPOSED LONGER THAN 48 HOURS OR ANTICIPATED WET WEATHER.
4. CONCRETE FOR PAVEMENTS & DRIVES SHALL BE IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.
5. CONCRETE FOR SIDEWALKS AND ADA PARKING SHALL BE IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.
6. MAINTAIN SLOPE IN 20' ADA STALLS AT 2% MAXIMUM.

LEGEND

- XX.XX TOP OF CURB ELEVATION
- XX.XX BOTTOM OF CURB ELEVATION
- XX.XX SPOT ELEVATION
- MEE MATCH EXISTING ELEVATION
- ~ DRAINAGE ARROWS

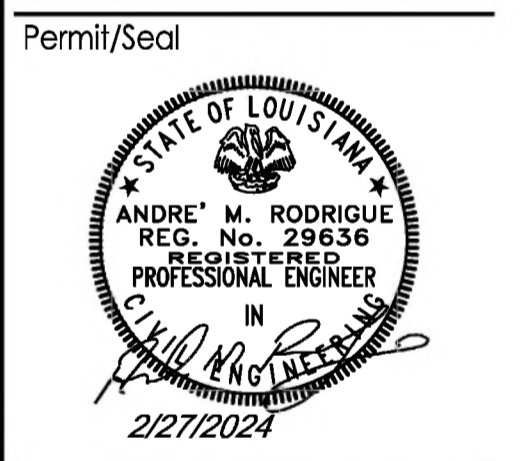
UTILITY NOTES:

1. UTILITY LOCATIONS SHOWN WERE PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AND FROM AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THESE LOCATIONS ARE APPROXIMATE AND ARE NOT WARRANTED AS EXACT LOCATIONS BY STANTEC.
2. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE EXISTENCE OF AND THE EXACT LOCATION OF ALL UTILITIES WITHIN AND ADJACENT TO THE PROJECT. THE CONTRACTOR MUST CONTACT ALL UTILITY COMPANIES FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK. ANY REQUEST FOR UNDERGROUND UTILITIES SHOULD BE MADE THROUGH LOUISIANA ONE CALL (811) BEFORE DIGGING.
3. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL AND COMMUNICATIONS LAYOUT WITHIN THE SITE.
4. VALVE SIZES SHALL BE NO LESS THAN CONNECTING PIPE SIZE.

Consultant

By	App'd	Revision

By	App'd	Revision



Client/Project
PET Scan Addition to BRCC
 5231 BRITANNY DRIVE BATON ROUGE, LA 70808

Project No.: 222706047
 File Name: C3.0 GRD_UTIL_LAYOUT
 Scale: 1"=10'
 Title
GRADING AND UTILITY LAYOUT
 Revision: Sheet: of
 Drawing No.

C3.0

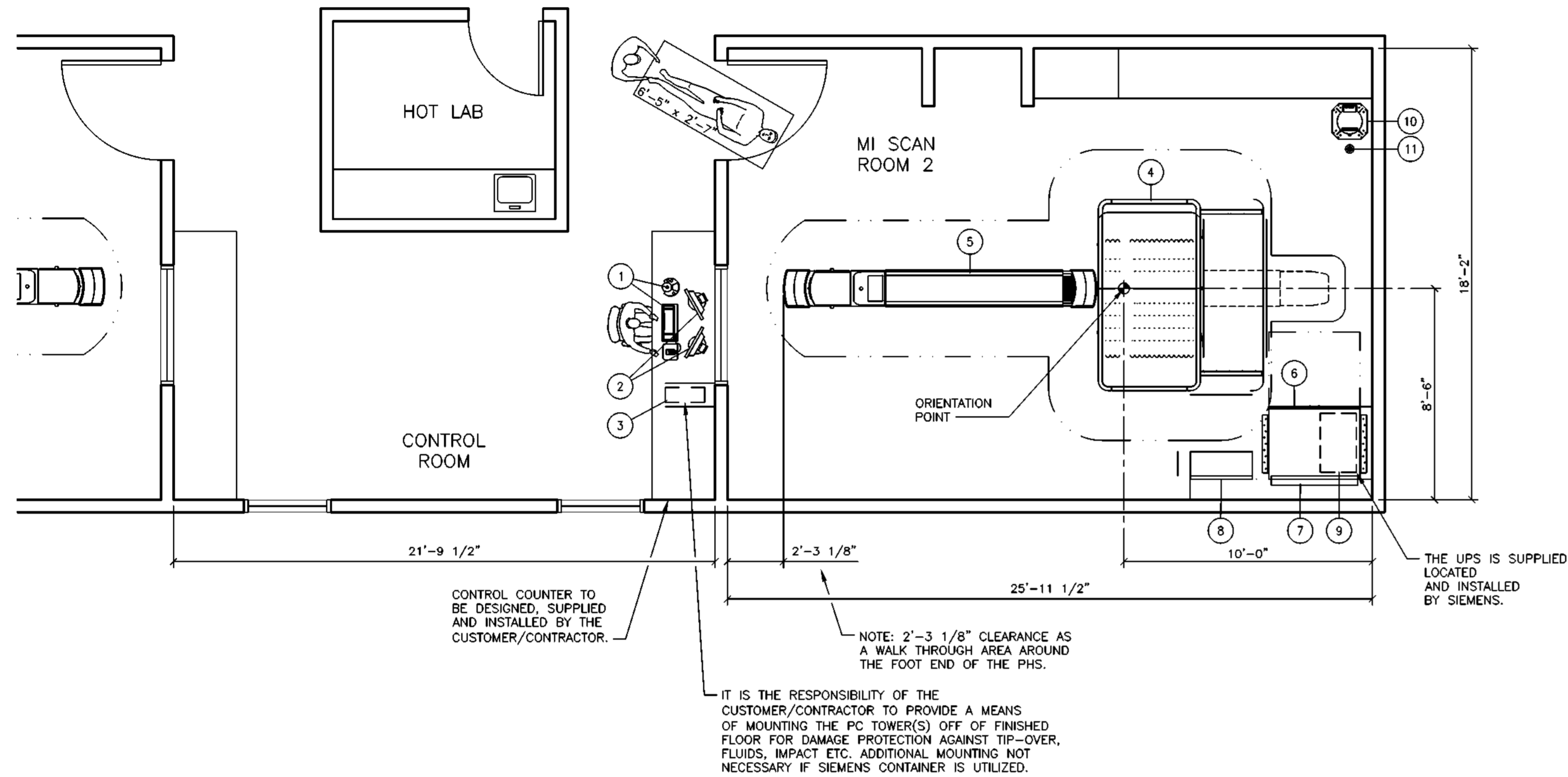
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SIEMENS HIGHLY RECOMMENDS THE CUSTOMER'S ARCHITECT DESIGNATE SPACE FOR A HOT LAB, PATIENT WAITING AREA, AND UPTAKE ROOM.

HEIGHT OF WINDOW TO BE COORDINATED WITH COUNTERTOP/DESK HEIGHT.

STRETCHER SIZE (6'-5" X 2'-7") SHOWN IS FOR REFERENCE ONLY. VERIFICATION AND COORDINATION BY CUSTOMER IS REQUIRED TO ENSURE PROPER TRANSPORT AND WORKFLOW ACCESS.



ARCHITECTURAL EQUIPMENT PLAN

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

CASEWORK & ACCESSORY NOTES

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PLANNING REQUIREMENTS

- EMERGENCY POWER OFF (EPO) BUTTONS REQUIRED IN CONTROL ROOM AREA, EXAMINATION ROOM AREA AND EQUIPMENT AREA.
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NOISE LEVEL

SYSTEM COMPONENT	DECIBEL LEVEL (AT 3'-3" DISTANCE)
PET/CT GANTRY	<68
PHS	<67 (MOVING)
LINE CONNECTION BOX	<40
POWER DISTRIBUTION COMPUTER CABINET	≤55

RAM LICENSE

A VALID RAM LICENSE IS REQUIRED 4 WEEKS BEFORE SYSTEM DELIVERY.

SOURCE PROVIDERS WILL NOT SHIP THE SOURCES TO THE SITE WITHOUT A RAM LICENSE.

IT IS THE CUSTOMER'S RESPONSIBILITY TO WORK WITH THEIR RADIATION SAFETY OFFICER AND THE GOVERNMENT AGENCY TO SECURE THE RAM LICENSE.

RADIATION AND STORAGE CONTAINER CONSIDERATIONS

THE CT PRODUCES RADIATION WHILE PERFORMING CT SCANS. RADIATION CONCERNS FOR PET LIE IN THE USE OF RADIOACTIVE ISOTOPES FOR CLINICAL SCANNING OR SERVICE SCANS.

A STORAGE AREA MUST BE DESIGNATED FOR SOURCES UNTIL INSTALLATION TO LIMIT EXPOSURE.

IT IS IMPORTANT FOR THE RADIOACTIVE SOURCE LEAD STORAGE CONTAINER (LEAD PIG) IS PLANNED ACCORDINGLY PER THE PLANS FOR THE BIOGRAPH HORIZON INSTALLATION.

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CLIMATE CONTROL MUST BE PROVIDED 24 HOURS A DAY, 7 DAYS A WEEK. TEMPERATURE SETBACKS ARE NOT ALLOWED. PLEASE SEE EQUIPMENT LEGEND FOR SITE SPECIFIC HEAT DISSIPATION.

SCANNER ROOM: THE SCANNER ROOM SHOULD MAINTAIN BETWEEN 68°F-86°F (1°F PER HR.) WITH A RELATIVE HUMIDITY OF 20%-80%, NON-CONDENSING. AIR PRESSURE SHOULD RANGE FROM 750-1060 MBAR.

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- EXPOSED SEWER DRAINAGE NON SYPHON INCLUDED, SEWER PIPE OR IN FLOOR DRAIN.
- EXHAUST FUMES FROM DIESEL POWER UNITS
- EMERGENCY POWER, ETC.

IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS IS REQUIRED E.G.,

- EXTRACTOR FANS
- SYPHON
- MODIFICATION OF VENTILATION INTAKE, ETC.

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES)			REMARKS
					W	D	H	
1	KEYBOARD AND CONTROL BOX - ICS	⊖	-	-	-	-	-	ON CUSTOMER'S COUNTER
2	TWO 19" FLAT SCREEN CONTROL MONITORS	⊖	20	-	16 5/8	8 1/2	16 1/16	ON CUSTOMER'S COUNTER
3	SYNGO ACQUISITION WORKPLACE	⊖	<30	853	9 13/16	29 1/2	18 1/2	OFF FLOOR/IN CONTAINER BTU/HR INCLUDES MONITORS
4	BIOGRAPH HORIZON GANTRY	⊖	7,262	34,029	92 5/16	51	79 5/16	BTU/HR INCLUDES PATIENT TABLE
5	PATIENT TABLE	⊖	1,586	-	19 1/8	150 1/4	45 5/16	
6	POWER DISTRIBUTION COMPUTER CABINET	⊖	1,186	5,562	44	38	63 3/4	COMPUTER UPS/IRS/MARS LOCATED INSIDE OF PDCC
7	ETHERNET SWITCH FOR PDCC CONNECTIONS	⊖	-	-	-	-	-	LOCATED INSIDE PDCC
8	LINE CONNECTION BOX	⊖	227	409	11 3/4	29 1/2	32 1/4	ON FLOOR
9	PET GANTRY UPS	⊖	106	1,150	17 1/2	28 1/2	6	LOCATED INSIDE PDCC
10	LEAD PIG	⊖	392	-	17	17	20 1/2	RADIOACTIVE SOURCE STORAGE
11	ROD SOURCE	⊖	20	-	2 1/2	2 3/8	8 1/4	RADIOACTIVE SOURCE STORAGE

STORAGE CONSIDERATIONS

THE BIOGRAPH HORIZON GANTRY IS SHIPPED WITH THE DETECTORS DURING SHIPMENT AND IN STORAGE. THE TEMPERATURE TOLERANCE MUST REMAIN BETWEEN 50°F-86°F AND RELATIVE HUMIDITY OF 20% TO 75%. A BAROMETRIC PRESSURE: 10.1 TO 15.4 PSI AND MAXIMUM TEMPERATURE GRADIENT 50°F PER HOUR. THE BIOGRAPH HORIZON MAXIMUM STORAGE TIME IS SIX MONTHS.

BIOGRAPH HORIZON COMPONENTS HAVE TO BE STORED IN THE RESPECTIVE TRANSPORT PACKAGING. IF THE ORIGINAL PACKAGING PROVIDED IS NOT AVAILABLE, EQUIVALENT PACKAGING WILL NEED TO BE USED FOR INTERMEDIATE STORAGE.

WHEN MOVING THE BIOGRAPH HORIZON GANTRY FROM A COLD ENVIRONMENT INTO A WARM ROOM, ALLOW THE SYSTEM TO STABILIZE AT ROOM TEMPERATURE FOR 24 HOURS BEFORE OPENING TO ENSURE THAT THE ENTIRE SYSTEM IS COMPLETELY DRY BEFORE SWITCHING ON.

RADIOACTIVE SOURCES

THE FOLLOWING RADIOACTIVE SOURCES ARE REQUIRED AT THE TIME OF DELIVERY FOR CALIBRATION:

- Ge-68 (GERMANIUM-68) LINE SOURCES QUANTITY OF TWO LINE SOURCES
- Ge-68 (GERMANIUM-68) CYLINDRICAL PHANTOMS

IT IS CUSTOMER'S RESPONSIBILITY TO OBTAIN THESE SOURCES.

SOURCE PROVIDERS WILL NOT SHIP SOURCES TO SITE WITHOUT A VALID RAM LICENSE.

Project Milestones To Be Completed Before Equipment Delivery

Reference Sheet

<input type="checkbox"/>	Radioactive Materials License (RAM) license obtained and reviewed 4 weeks before delivery	A-101/A-102
<input type="checkbox"/>	Radioactive Sources of required material and activity available at the time of install	A-101/A-102
<input type="checkbox"/>	Ge-68 (Germanium-68) Line Sources	A-101/A-102
<input type="checkbox"/>	Ge-68 (Germanium-68) Cylindrical Phantoms	A-101/A-102
<input type="checkbox"/>	Storage area complete for storing radioactive materials	A-101/A-102
<input type="checkbox"/>	Delivery path verified	A-101/A-102
<input type="checkbox"/>	Climate control functioning 24 hours a day, 7 days a week	A-101
<input type="checkbox"/>	Casework complete in exam and control rooms	A-101
<input type="checkbox"/>	All rooms containing Siemens equipment are clean and dust free	A-101
<input type="checkbox"/>	Lead shielding (walls, doors, windows) complete	A-102
<input type="checkbox"/>	Network addresses obtained for Siemens Remote Services (SRS)	E-102
<input type="checkbox"/>	Floor levelness verified and within specifications	S-101/S-501
<input type="checkbox"/>	Floor thickness verified and within specifications	S-101/S-501
<input type="checkbox"/>	All conduits, troughs, and core drills are outside of the No Core Drill areas	S-101
<input type="checkbox"/>	Care Vision anchor plate installed (option)	S-102
<input type="checkbox"/>	Overhead injector support structure and plate installed (option)	S-102
<input type="checkbox"/>	Ceiling height verified (check min. height with options)	S-102
<input type="checkbox"/>	Cable runs checked to ensure maximum length not exceeded	E-101/E-102/E-501
<input type="checkbox"/>	Cable inlets installed in locations per plans	E-102
<input type="checkbox"/>	Main Panel and breakers installed	E-102/E-501
<input type="checkbox"/>	Contractor supplied electrical cabling and pigtails installed	E-101/E-102/E-501
<input type="checkbox"/>	Contractor supplied EPO's installed and functioning	E-102/E-501
<input type="checkbox"/>	Contractor supplied X-Ray warning light and wiring installed	E-501
<input type="checkbox"/>	Siemens supplied tubing or contractor supplied copper pipe installed (Biograph 6 only)	M-101
<input type="checkbox"/>	Diffuser locations and ventilation requirements confirmed	M-101/M-102

STATE AGENCY REVIEW

PRIOR TO SIEMENS EQUIPMENT INSTALLATION, APPROVAL OF CONSTRUCTION OR STRUCTURAL MODIFICATIONS UTILIZING X-RAY FOR DIAGNOSTIC OR THERAPEUTIC PURPOSES, MUST BE OBTAINED BY THE CUSTOMER FROM THE APPROPRIATE STATE AGENCY, IF APPLICABLE.

RESOURCE LIST (SMS USE ONLY)

DESIGNATION	PG NUMBER	DATE
BIOGRAPH HORIZON	M120-000.891.01.08.02	04/21
BIOGRAPH HORIZON WIRING DIAGRAM	M120-000.811.06.01.02	06/20

FINISHED ROOM HEIGHT

FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS BATON ROUGE CARDIOLOGY CENTER 5231 BRITTANY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON	PROJECT #: 2314526	SHEET:	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK, WITHOUT SIEMENS AUTHORIZATION, WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED.			A-101		
12/15/23	2314526(R) DATED 12/01/23 APPROVED BY CUSTOMER FOR FINALS	SCALE: AS NOTED	REF.#: 30271584	DATE: 12/15/23	DRAWN BY: J. JACKSON

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.

- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

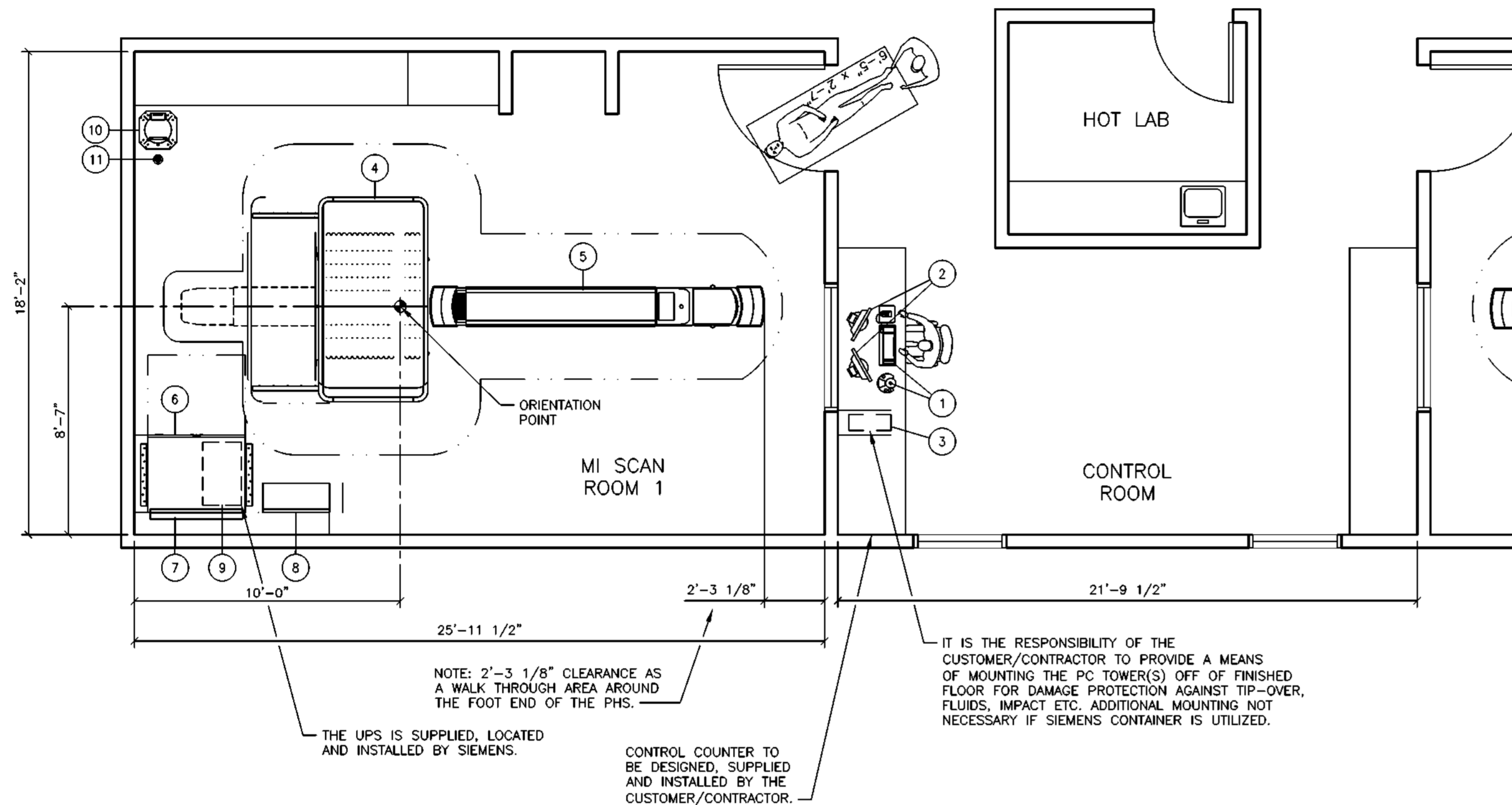
REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

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BIOGRAPH HORIZON	M120-000.891.01.08.02	04/21
BIOGRAPH HORIZON WIRING DIAGRAM	M120-000.811.06.01.02	06/20

FINISHED ROOM HEIGHT

FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER
 TEL: (208)713-8562 EXT: _____
 FAX: _____
 EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM

BATON ROUGE CARDIOLOGY CENTER
 5231 BRITANNIA DRIVE, BATON ROUGE, LA 70808
 MI SCAN ROOM 1 - BIOGRAPH HORIZON

PROJECT #: **2314523** SHEET: **A-101**

THE USE OR REPRODUCTION OF THIS TITLE BLOCK, WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.
 ALL RIGHTS ARE RESERVED.

DATE: 12/11/23 DRAWN BY: J. JACKSON
 DATE: 12/11/23

SCALE: AS NOTED REF. #: 30271592

12/11/23 2314523(A) DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS

SYM DATE DESCRIPTION

-ISSUE BLOCK-

ATTENTION:

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BIOGRAPH HORIZON REV 22

SIEMENS

BATON ROUGE CARDIOLOGY CENTER
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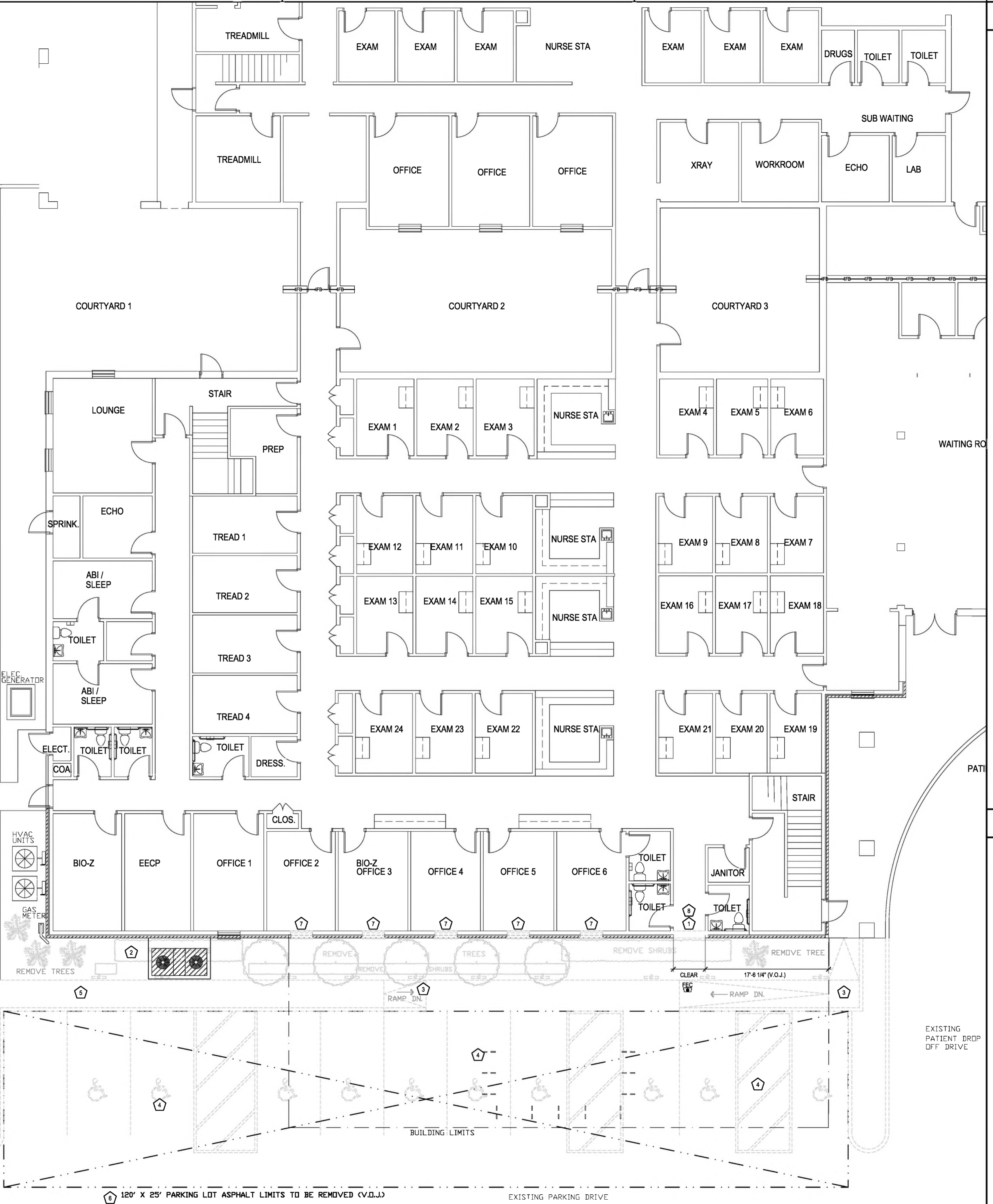
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GENERAL DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR OBSERVATION OF THE SPACE BEFORE BIDDING. THIS OBSERVATION SHOULD REVEAL ANY EXISTING PENETRATIONS IN THE CONSTRUCTION AREA THAT MUST BE CORRECTED TO MEET FIRE RATINGS INDICATED ON THESE DRAWINGS.
- DASHED LINES REPRESENT ALL EXISTING CONSTRUCTION TO BE REMOVED BY CONTRACTOR. TYPICALLY, WALLS TO BE REMOVED ARE GYPSUM BOARD OR METAL STUDS AND OR CONCRETE BLOCK. CONTRACTOR SHALL PATCH TO MATCH ADJACENT MATERIALS AND FINISH AFFECTED BY DEMOLITION. CONTRACTOR SHALL ASK PROJECT ARCHITECT FOR DIRECTIONS IN CASE THERE IS ARE COLUMN(S)/SUPPORT(S) HIDDEN BEHIND EXISTING WALLS, CABINETS.
- CONTRACTOR SHALL PROVIDE DUMPSTER AND EMPTY DUMPSTER WHEN IT IS FULL.
- CONTRACTOR PARKING SHALL BE DISCUSSED AND ARRANGED WITH OWNER.
- WHERE EXISTING DOORS ARE INDICATED TO BE REMOVED, THE CONTRACTOR SHALL REMOVE EXISTING DOORS, FRAMES, AND HARDWARE WITHIN THE LIMITS OF CONSTRUCTION AND TRANSPORT TO STORAGE ANY ITEM DEEMED BY THE OWNER TO BE SALVAGED. REFER TO DOOR SCHEDULE FOR EXISTING FRAMES TO REMAIN IN PLACE TO BE REUSED.
- WHERE EXISTING WALLS ARE INDICATED TO BE REMOVED, THE CONTRACTOR SHALL TYPICALLY REMOVE ANY EXISTING FULL HGT. WALL COMPLETELY FROM FLOOR TO UNDERSIDE OF DECK WHERE INDICATED. DO NOT LEAVE ANY WALL ABOVE CEILING UNLESS OTHERWISE NOTED ON DRAWING. ALL CONDUIT, ALL PIPES, ALL DUCTS, ETC., ABANDONED ARE TO BE REMOVED AND SHALL BE TAKEN BACK TO JUNCTION BOXES AND/OR ORIGINS. ANY WORK INVOLVED WITH THE PROJECT WHICH CONCERNS DISCONNECTIONS OR ABANDONING EXISTING EQUIPMENT SHALL INCLUDE REMOVAL OF SUCH EQUIPMENT, AND PATCHING / PAINTING AS REQUIRED.
- THE CONTRACTOR IS REQUIRED TO PATCH ANY EXISTING FLOOR RECEPTACLES, DUCT OPENINGS, ETC. THE CONTRACTOR SHALL REPAIR ANY EXISTING SLAB IF CRACKING OR SEPARATION OCCURS BETWEEN TOPPING AND STRUCTURE. THE CONTRACTOR SHALL REMOVE ANY DOOR FRAMES AND JAMBS EMBEDDED IN THE CONCRETE TOPPING, AND REPAIR THESE AREAS TO BE FLUSH WITH ADJACENT FLOOR SLAB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING OR GRINDING ALL AREAS OF THE FLOOR SLAB IN ORDER TO LEVEL THE FLOOR TO RECEIVE THE NEW FLOOR FINISHES.
- WHERE EXISTING CEILING IS INDICATED TO BE REMOVED, CONTRACTOR SHALL REMOVE EXISTING CEILING TILES, CEILING CRIS, SUSPENDED SYSTEM, REINFORCEMENTS, FURF DOWN AND GYPSUM BOARD CEILING, AND EXISTING LIGHTING FIXTURES. REFER TO REFLECTED CEILING PLAN FOR AREAS OF EXISTING CEILING GRID TO REMAIN. REFER TO THE PROJECT MANUAL AND/OR FINISH SCHEDULE AND REFLECTED CEILING PLAN FOR NEW CEILING TILE TYPES AND LIGHTING FIXTURES.
- THE CONTRACTOR SHALL REMOVE (IF ANY) EXISTING DRAINS, BATH ROOM FIXTURE AND ACCESSORIES AS SHOWN AND CAP PLUMBING LINES AS REQUIRED. THE CONTRACTOR SHALL STORE EXISTING SINKS, LAVATORIES AND ACCESSORIES AND SALVAGED BY DEEMED OWNER.
- WHERE EXISTING FLOORING IS INDICATED TO BE REMOVED, THE CONTRACTOR SHALL REMOVE FLOOR FINISHES, BASES, AND OR THRESHOLD (IF ANY) INDICATED IN THE CONSTRUCTION DOCUMENT. REPAIR ANY WALL SURFACE TO REMAIN WHICH IS DAMAGED DURING THE PROCESS OF DEMOLITION.
- CONSTRUCTION LIMITS ARE USED AS A REFERENCE. ANY HVAC DUCTWORK, DAMPERS, ELECTRICAL CONDUIT, VAV BOXES, ETC. SHALL BE CONNECTED IN GOOD WORKING CONDITION.
- DEMOLISH AND REMOVE ALL EXISTING HANDRAILS/GUARD RAILS AND RIGID WALL PROTECTION IN CORRIDORS OF ENTIRE WORK AREA UNLESS OTHERWISE NOTED IN DRAWINGS/ SPECS. HAULING OF ALL ITEMS IS AT THE DIRECTION OF PLANT SERVICES AT ALL TIMES.
- DETACH AND HAND TO OWNER ALL EXISTING WALL ACCESSORIES, FIXTURES AND OR HARDWARE INCLUDING BUT NOT LIMITED TO SPOONERS, CLOCKS, MIRRORS, HAND SANITIZER DISPENSERS, RELIGIOUS ITEMS, T.V.S, ELECTRIC GADGET (CARD READERS, MANUAL KEYPAD LATCH SETS, AND PICTURES PRIOR TO DEMOLISHING.
- CONSULT ARCHITECT AND OR ENGINEER PRIOR TO DEMOLISHING OR MOVING ANY EXISTING LOAD BEARING STRUCTURAL MEMBERS OR ELEMENTS.
- ALL EXISTING FIRE AND SMOKE RATINGS AND LABELING SHALL BE MAINTAINED EXCEPT AS REQUIRED TO BE ALTERED TO ACCOMMODATE NEW WORK.
- THE CONTRACTOR SHALL TAKE DOWN AND STORE ALL DIRECTIONAL SIGNAGE UNTIL ASKED AT THE END OF THE PROJECT TO RE-INSTALL-HAND TO OWNER SAME OR MODIFIED DIRECTIONAL SIGNAGE.
- DESIGNATED EXISTING CEILING, CEILING FIXTURES/EQUIPMENT SHALL REMAIN AND MAINTAINED IN GOOD WORKING CONDITION DURING CONSTRUCTION (RE. ELECT. AND MECHANICAL SHEETS IF ANY REVISIONS/ CHANGES). MAINTAIN EXISTING DATA AND ELECTRICAL ROOMS THROUGHOUT THE CONSTRUCTION.
- ANY SPACELAB TELEMETRY WWN ANTENNA, ETC. SHALL BE SALVAGED AND HANDED OVER TO OWNER FOR RE-INSTALLATION.
- ALL EXISTING COLUMNS TO REMAIN. PROVIDE 2-HR RATED SPRAY-ON FIRE PROOFING ON COLUMNS IF THE 2-HR RATED FIRE PROOFING MATERIALS ARE BROKEN/ MISSING DURING DEMOLISHING/ CONSTRUCTION.
- REMOVE ALL EXISTING CEILING DIFFUSERS IN THE AREA DESIGNATED FOR NEW CEILING. THE HOSPITAL OR THE OWNER'S REPRESENTATIVE WILL JUDGE IF THE EXISTING DIFFUSERS CAN BE REUSED. CONTRACTOR IS RESPONSIBLE TO CONTACT THEM IN A TIMELY MANNER.
- CONTRACTOR SHALL REMOVE ALL EXISTING CURTAIN TRACKS AND EXISTING CURTAINS IN ENTIRE WORK AREA. NEW CURTAIN TRACKS AND CURTAIN TRACKS WILL BE INSTALLED (RE. FINISH SCHEDULE AND REFLECTED CEILING PLAN).
- PREPARE ALL CORRIDOR WALLS TO BE EXTENDED TO UNDERSIDE OF FLOOR DECK ABOVE FOR RESISTANCE TO SMOKE.
- ANY SIGNAGE LEFT ON THE WALLS OR CEILING SHALL BE TAKEN DOWN AND TURNED OVER TO THE HOSPITAL. REMOVE THE BACK PLATES AND SAVE THE SCREWS.

DEMOLITION KEYNOTES

- CONTRACTOR HAS TO PROVIDE NECESSARY CLEAR OPENING WITHIN BRICK VENEER WALL TO RECEIVE NEW 2X STUDS WALL WITH GYPSUM BOARD SYSTEM AND SUSPENDED CEILING SYSTEM. SUBCONTRACTOR SHOULD PROVIDE A CLEAN SAW CUT OPENING. ALSO, PROVIDE A HEADER SUPPORT FOR REMAINING BRICKS OVER NEW OPENING.
- CONTRACTOR HAS TO VERIFY WITH OWNER AND/OR PROJECT ARCHITECT THE AMOUNT OF LANDSCAPING TO BE REMOVED WITHIN THE SCOPE OF WORK. (TREES, SHRUBS, GRASS, ETC.)
- CONCRETE RAMP HAS TO BE REMOVED COMPLETELY ALL THE WAY TO THE GRADE AND CLEAN SAW CUT AT EXISTING CONCRETE TO REMAIN. THE REMAINING CONCRETE SHOULD BE READY TO RECEIVE NEW CONCRETE AS SHOWN WITHIN PROJECT SCOPE OF WORK.
- THE PARKING STALL STRIPING, HANDICAP STRIPING, AND SYMBOLS SHOULD BE COMPLETELY REMOVED.
- EXISTING CONCRETE WALKWAY HAS TO BE REMOVED COMPLETELY ALL THE WAY TO THE GRADE AND CLEAN SAW CUT AT EXISTING CONCRETE TO REMAIN. THE REMAINING CONCRETE SHOULD BE READY TO RECEIVE NEW CONCRETE AS SHOWN WITHIN PROJECT SCOPE OF WORK.
- CONTRACTOR HAS TO REMOVE A LIMITED AREA OF ASPHALT PARKING FOR THE SCOPE FOR THIS PROJECT. VERIFY WITH OWNER AND/OR PROJECT ARCHITECT THE AMOUNT OF AREA TO BE REMOVED BASE ON DEMOLITION PLAN LIMITED AREA.
- WINDOW & WINDOW FRAMING WILL BE REMOVE AND ENCLOSED IN WITH NEW STUDS AND GYPSUM BOARD AT THIS LOCATION.
- CONTRACTOR SHALL PROVIDE 9" OF DUST PARTITION ACROSS EXISTING CORRIDOR. DUST PARTITION SHALL BE 3/4" GYP BOARD ON ONE SIDE OF 3-8" METAL STUDS. COORDINATE EXACT LOCATION WITH OWNER.

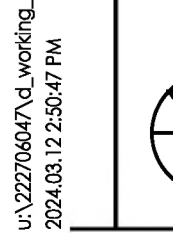


Stantec
 Stantec (Formerly Raytheon Building & Assoc/Colt)
 1200 Riccardi Lane, Suite 400
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Revision	By	Date

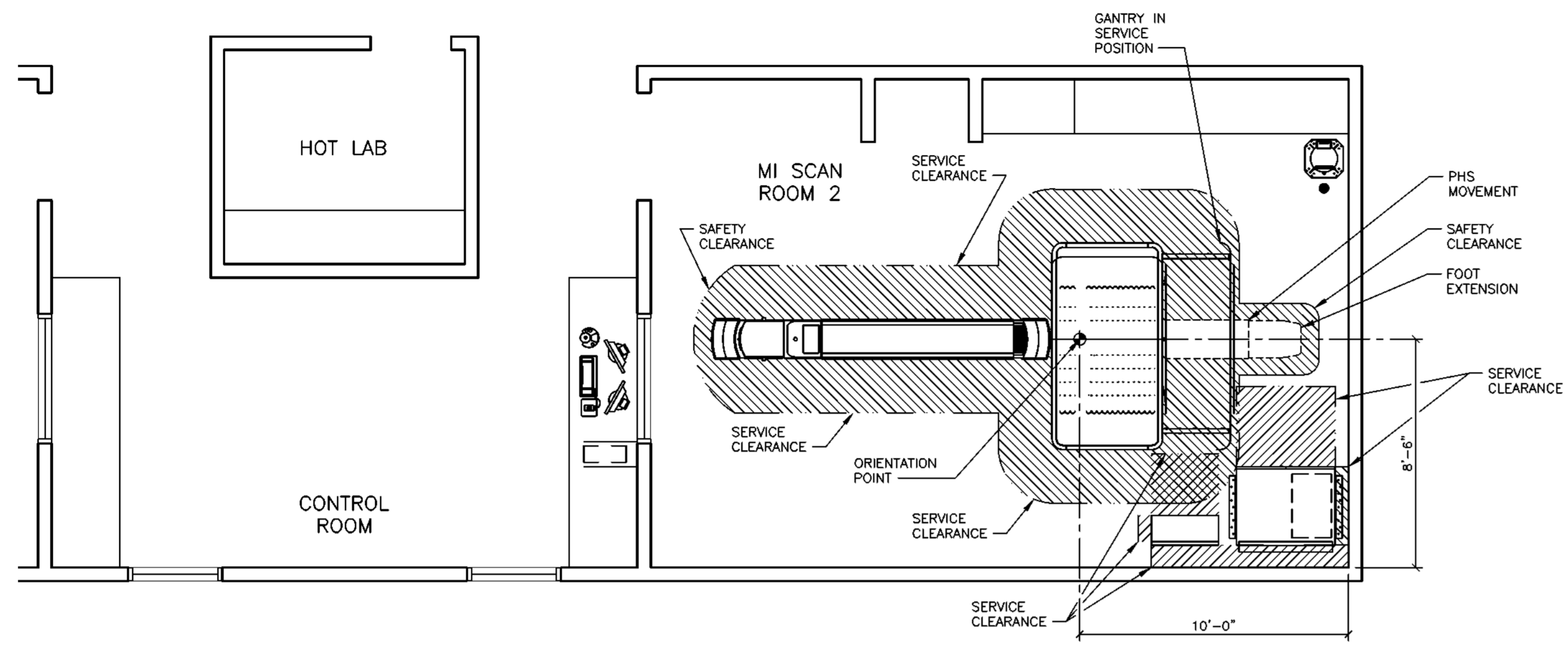


Client/Project: **PET Scan Addition to BRCC**
 Project No.: 222706047
 File Name: A101
 Scale: AS INDICATED
 Date: 2024.02.27
 Dwn. Dgn. C'kd. YYYY.MM.DD
 Title: **FIRST FLOOR DEMOLITION PLAN**
 Revision: Sheet: of Drawing No. **A101**



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Permit/Seal
 5231 BRITANNY DRIVE BATON ROUGE, LA 70808



SAFETY/SERVICE CLEARANCE PLAN

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

RADIATION, STORAGE CONSIDERATIONS AND HELIUM EXPOSURE

THE CT PRODUCES RADIATION WHILE PERFORMING BIOGRAPH HORIZON SCANS. RADIATION CONCERNS FOR PET LIE IN THE USE OF RADIOACTIVE ISOTOPES FOR CLINICAL SCANNING OR SERVICE SCANS.

A STORAGE AREA MUST BE DESIGNATED FOR SOURCES UNTIL INSTALLATION TO LIMIT EXPOSURE.

ADDITIONAL CONSIDERATIONS:

MAGNETIC FIELD: DISTANCE BETWEEN PET/CT SYSTEM COMPONENTS, LIVE VOLTAGE CABLES AND MAGNETIC: IN THE SCANNER ROOM STATIC MAGNETIC FIELD: $B < 100 \mu T$
MAGNET FIELD VARIATION: $\Delta B < 25 \mu T$

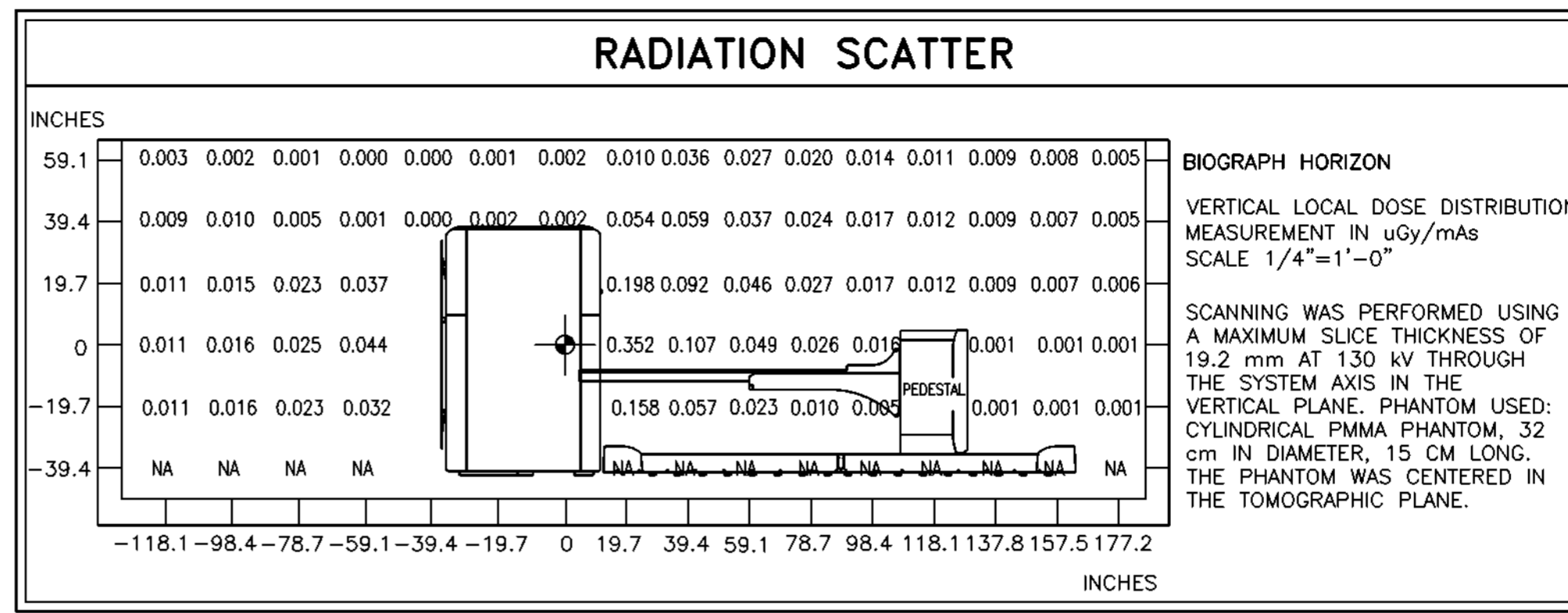
BACKGROUND RADIATION: $< 10 \mu Sv/h$ (1mR/h) 6 FT FROM CENTER OF FIELD OF VIEW

TO AVOID INTERFERENCE, THE FOLLOWING MINIMUM DISTANCES MUST BE MAINTAINED:

GANTRY \leftrightarrow ECG-WORKSTATION
DISTANCE BETWEEN COMPONENTS MINIMUM 8'-0"
DISTANCE BETWEEN THE LINE VOLTAGE CABLES MINIMUM 9'-0"

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DISTANCE BETWEEN COMPONENTS MINIMUM 19'-0"
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EXPOSURE TO HELIUM:
WHEN PRESENT ABOVE NORMAL ATMOSPHERIC LEVELS HELIUM GAS CAN CAUSE DAMAGE TO AND/OR REDUCED THE LIFE EXPECTANCY OF THE PET DETECTORS. AVOID EXPOSING THE SYSTEM TO HELIUM CONCENTRATIONS ABOVE THOSE FOUND UNDER NORMAL ATMOSPHERIC CONDITIONS. (i.e. ~5ppm, BY VOLUME).



SAFETY CLEARANCE NOTE

IF THE SAFETY DISTANCES ARE NOT OBSERVED, SAFETY MEASURES IN ACCORDANCE WITH LOCAL CODES SHOULD BE UTILIZED (FOR EXAMPLE BARRIERS, WARNING SIGNS, AND SAFETY MATS).

RADIATION SAFETY

LEAD OR EQUIVALENT SHIELDING MAY BE REQUIRED IN THE WALLS OF THE SCANNER ROOM, HOTLAB AND/OR PATIENT PREPARATION AREAS. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY WITH THE SITE'S RADIATION SAFETY OFFICER THAT RADIATION DOSE RATES FROM THE PET PATIENT AND/OR ISOTOPE WILL NOT EXCEED LOCAL RADIATION SAFETY GUIDELINES IN THE ROOM ADJACENT TO SCANNER, HOTLAB, AND/OR PATIENT PREPARATION AREAS.

IMPROPER SHIELDING MAY AFFECT CAMERA'S PERFORMANCE.

TRANSPORT AND DELIVERY

TOTAL CT GANTRY TRANSPORT WEIGHT: 3,252 LBS.
GANTRY WITHOUT TRANSPORT DEVICE: 2,976 LBS.
TRANSPORT DEVICE: 276 LBS.

TOTAL PET GANTRY TRANSPORTING DEVICE AND STABILIZER WEIGHT: 2,800 LBS.
PET GANTRY TRANSPORT DEVICE: 432 LBS.
PET GANTRY STABILIZER: 100 LBS.

NORMAL TRANSPORT REQUIREMENTS:
DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY. SEE MAXIMUM WIDTH AND MINIMUM LENGTH ABOVE FOR TRANSPORT CASTERS SWIVELED OUT.

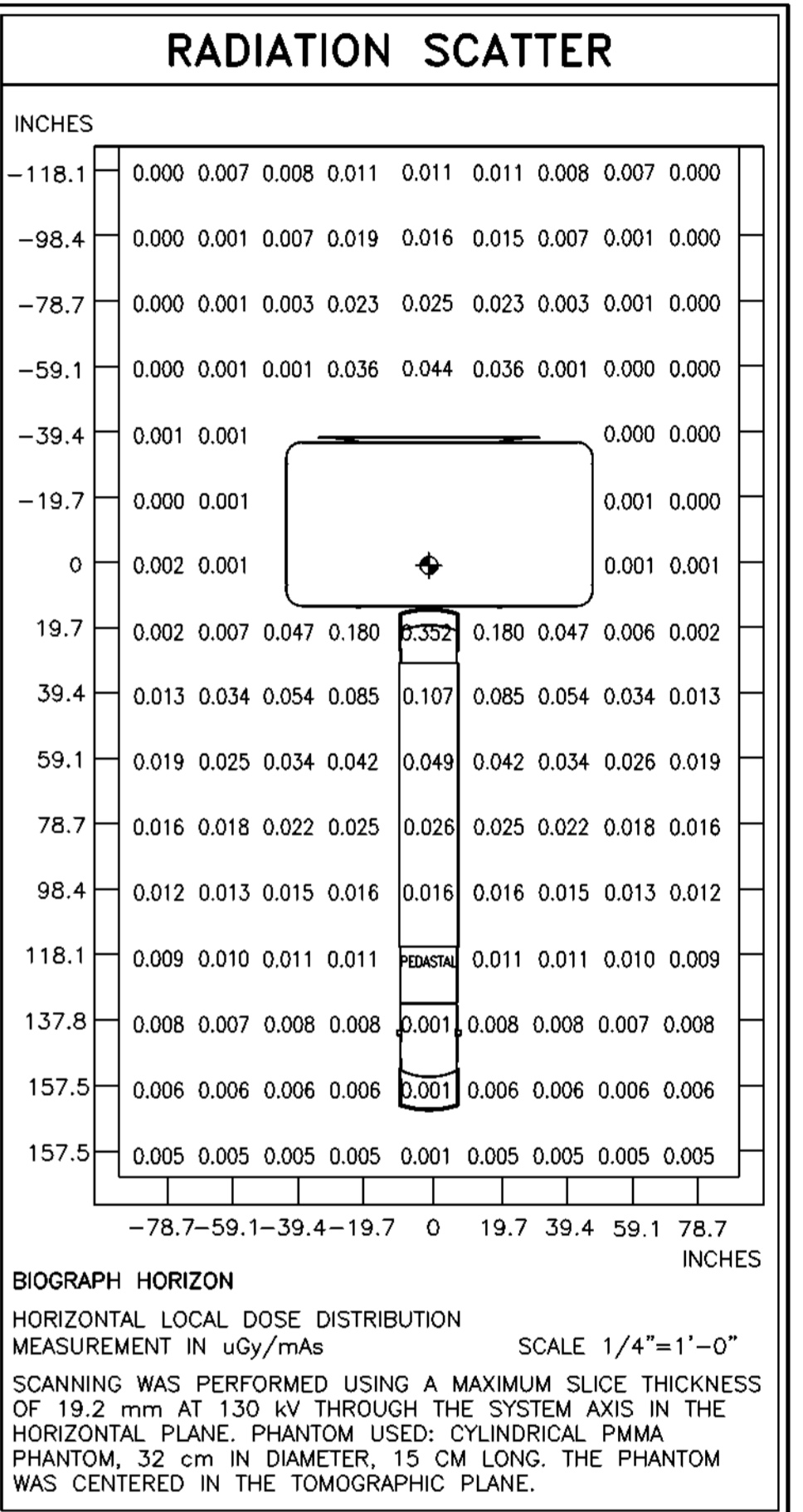
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LIFTING GANTRIES WITH CRANE:
IF GANTRIES NEED TO BE LIFTED CRANING BASKET MUST BE USED.



FINISHED ROOM HEIGHT

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5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON			
PROJECT #:		SHEET:	
2314526		A-102	
SHEET 2 OF 8		DRAWN BY: J. JACKSON	
DATE: 12/15/23		SCALE: AS NOTED	
REF. #: 30271584		ALL RIGHTS ARE RESERVED.	

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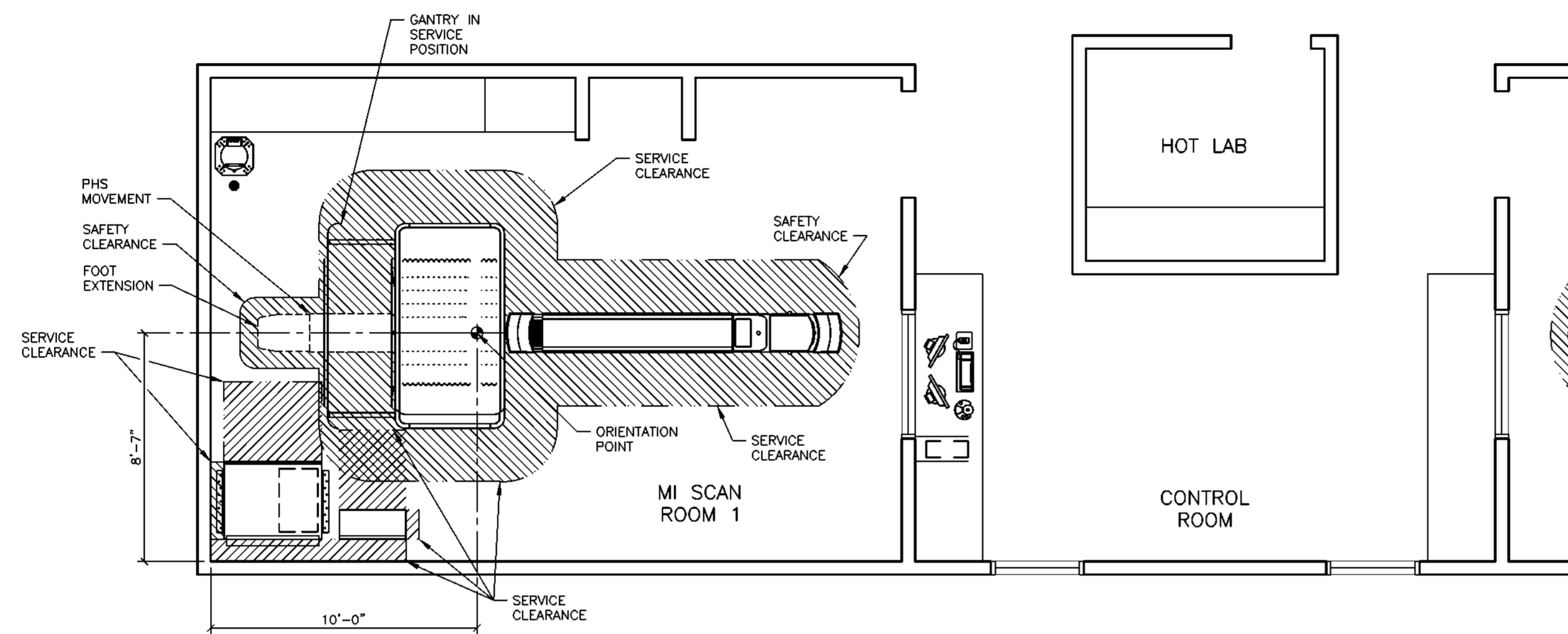
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SYM	DATE	DESCRIPTION
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SAFETY/SERVICE CLEARANCE PLAN

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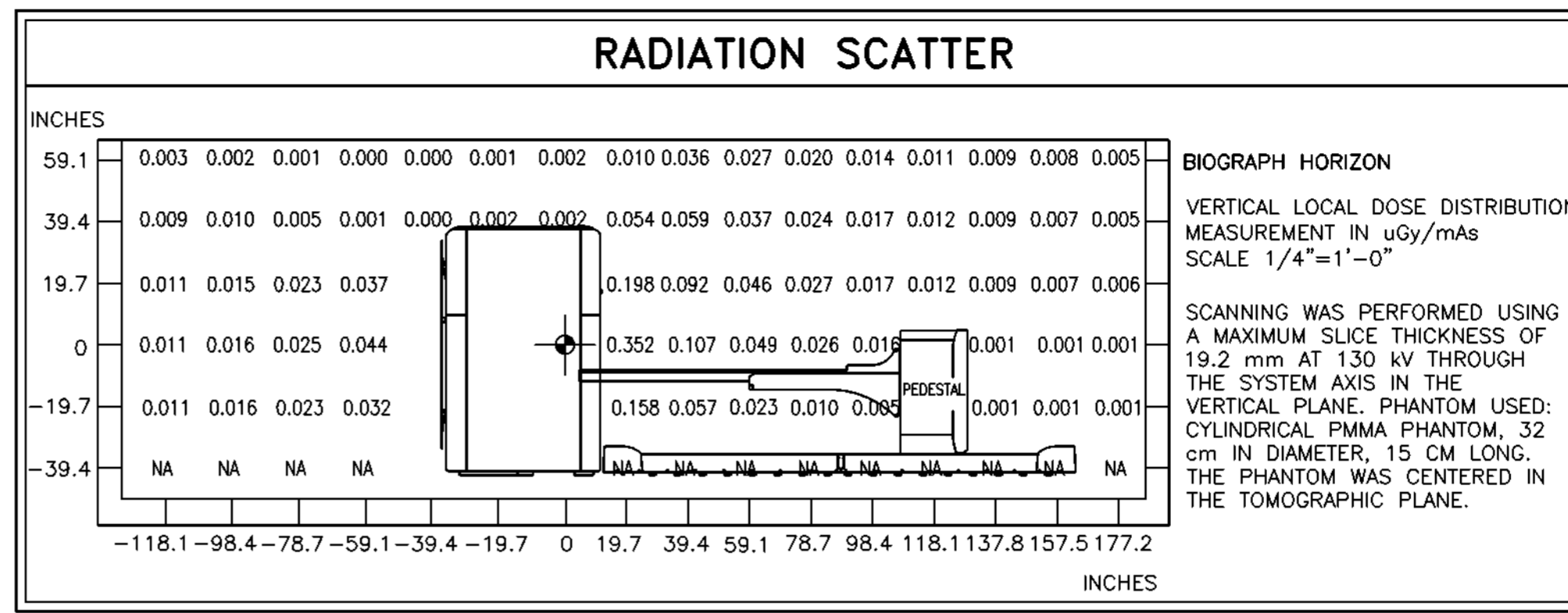
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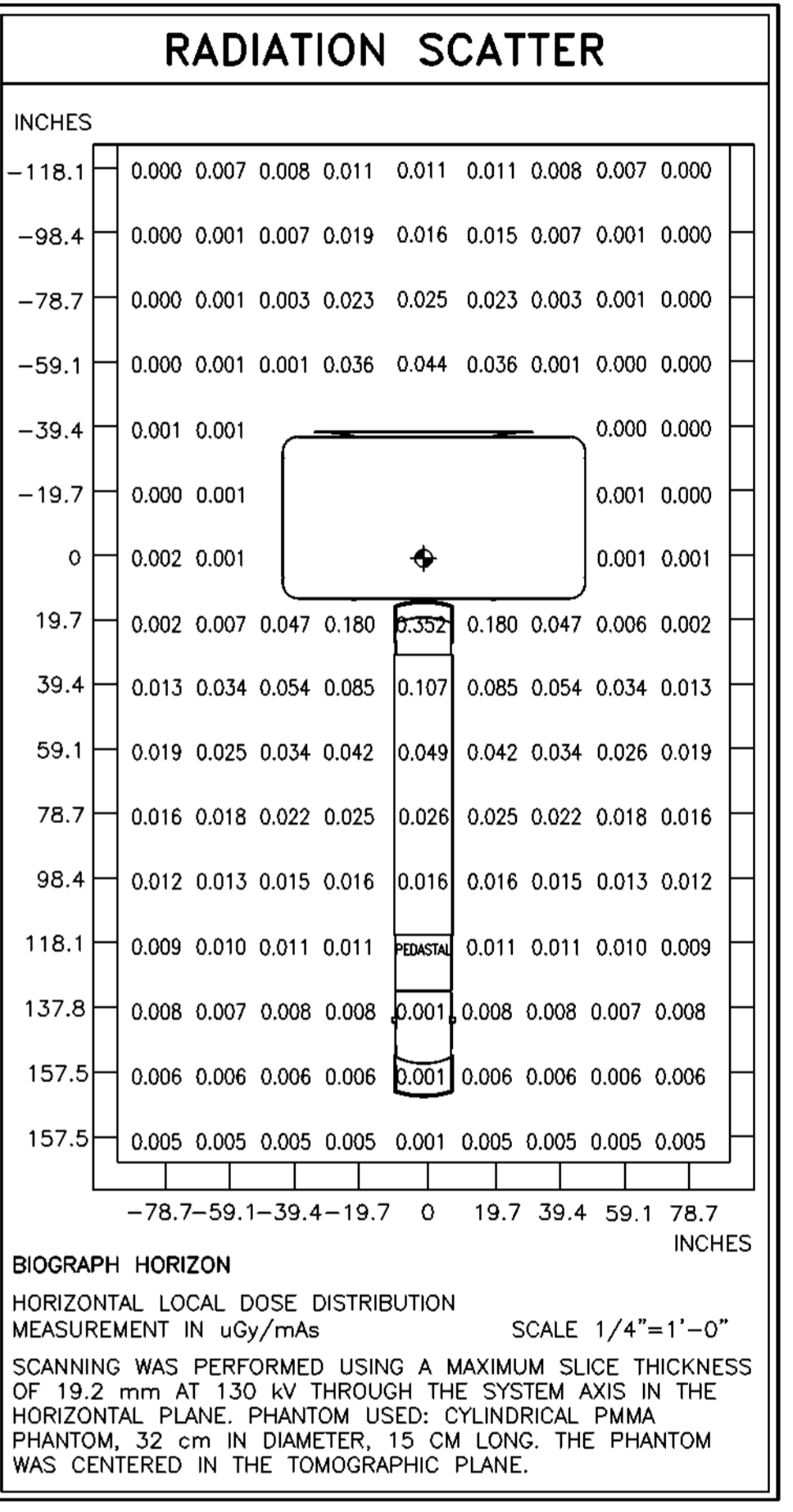
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SIEMENS

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5231 BRITTANY DRIVE, BATON ROUGE, LA 70808
MI SCAN ROOM 1 - BIOGRAPH HORIZON

PROJECT #: **2314523** SHEET: **A-102**

DATE: 12/11/23 DRAWN BY: J. JACKSON

SCALE: AS NOTED REF. #: 30271592

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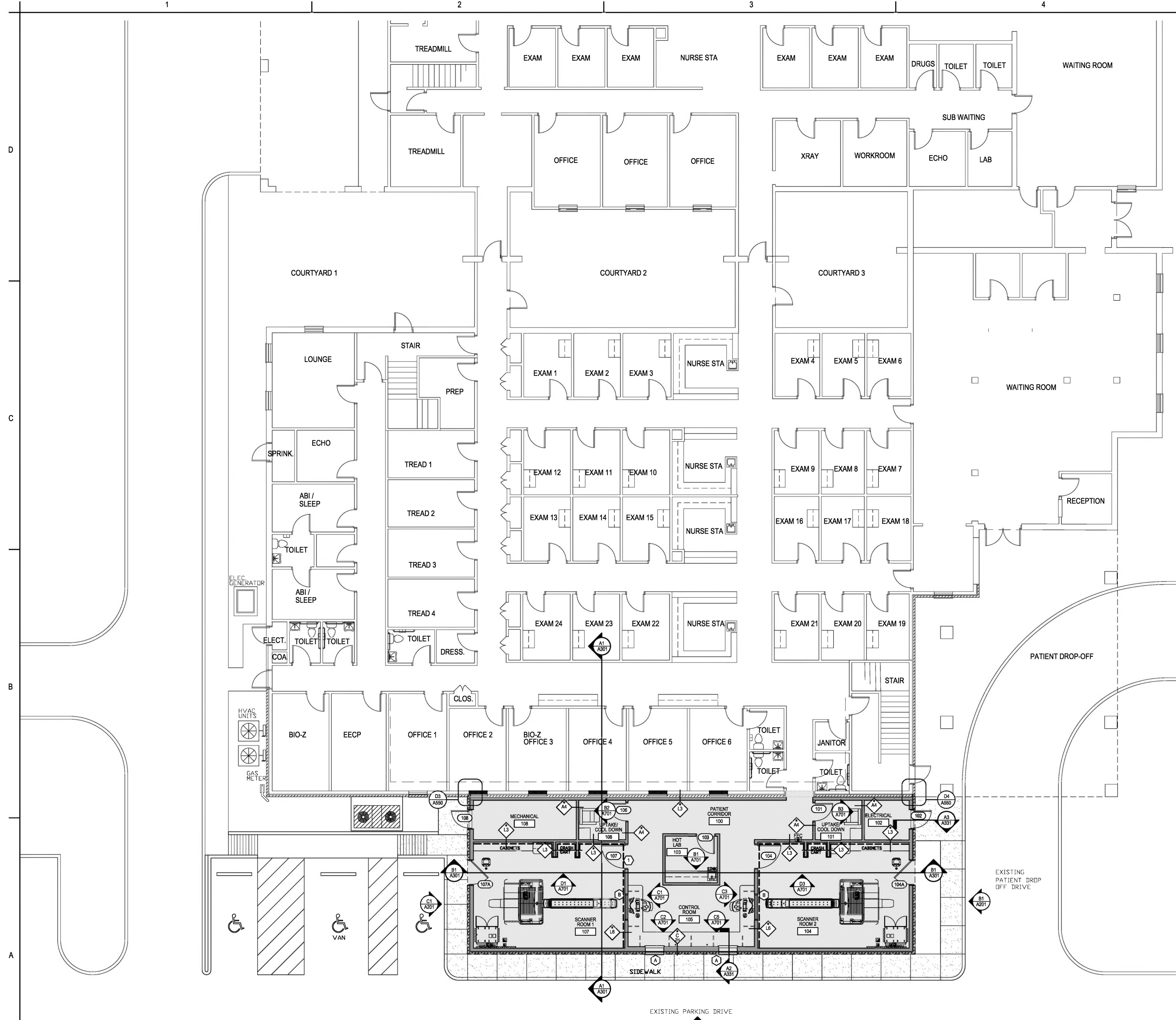
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-ISSUE BLOCK-		



GENERAL SHEET NOTES

- REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTIONS OF CLEANING AND PREPARATION PROCEDURES OF EXISTING SURFACES TO RECEIVE NEW FINISHES.
- CONTRACTOR SHALL PROVIDE SIGNAGE AT ALL NEW DOORS. REFER TO SPECIFICATIONS.

SHEET KEYNOTES

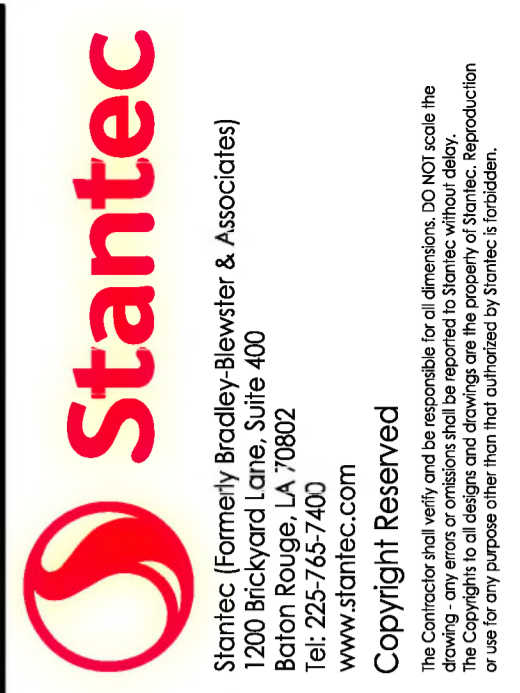
- DASH LINE INDICATES LOCATION OF LEAD LINING GYPSUM BOARD AT RADIOGRAPHIC ROOM SIDE - EXTEND LEAD TO 7'-0" A.F.F. MIN. LOCATION ONLY IN SCANNER ROOM 1 & 2 (ROOM NUMBER #104 & #107).

LEGEND

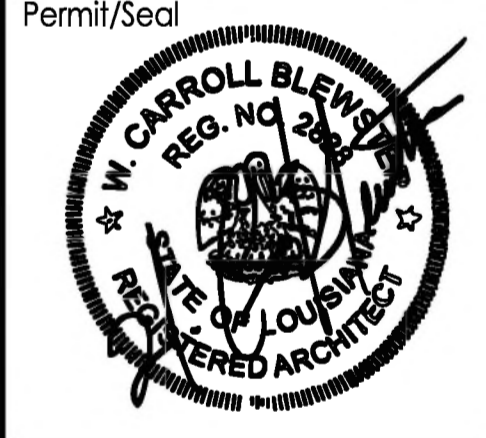
	NEW PARTITION.
	EXISTING PARTITION TO REMAIN.
	LEAD LINED WALLS AND DOORS.
	INSTALL LEAD SHIELDING IN COMPLIANCE WITH LOUISIANA RADIATION REGULATIONS, SECTION 33. LEAD LINED WALLS SHALL BE 4-PSF LEAD LINED GYP. BOARD INSTALLED UP TO 7'-0" HIGH FROM FINISHED FLOOR.

REFERENCE PLAN LEGEND

	DOOR NUMBER RE: DOOR SCHEDULE SHEET A601
	WINDOW SYMBOL LETTER RE: WINDOW SCHEDULE SHEET A601
	ELEVATION MARK RE: SHEETS A201 AND A701
	WALL PARTITION TYPE RE: SHEET A550
	BUILDING SECTION RE: SHEET A301
	ENLARGE PLAN RE: SHEET A550



Consultant	
By	Revision



A1 2,066 GROSS SQUARE FEET
FLOOR PLAN - REFERENCE
SCALE: 1/8" = 1'-0"

Client/Project: **PET Scan Addition to BRCC**
 Project No.: 222706047
 File Name: A111
 Scale: AS INDICATED
 Title: **FIRST FLOOR PLAN - REFERENCE**
 Revision: Sheet: of
 Drawing No.

A111



GENERAL SHEET NOTES

- REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTIONS OF CLEANING AND PREPARATION PROCEDURES OF EXISTING SURFACES TO RECEIVE NEW FINISHES.

SHEET KEYNOTES

- ALIGN FACE OF NEW WALL WITH FACE OF EXISTING.
- MATCH EXISTING CONSTRUCTION AND FINISH WHEN CLOSING WINDOW OPENING.

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 Baton Rouge, LA 70802
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Consultant	By	App'd	Revision	ISSUED



Client/Project
**PET Scan Addition to
 BRCC**
 5231 BRITANNY DRIVE BATON ROUGE, LA 70808
 Project No.: 222706047
 File Name: A121
 Scale: AS INDICATED
 Date: 2024.02.27
 Title
**FIRST FLOOR PLAN -
 DIMENSIONS**
 Revision: Sheet: of
 Drawing No.

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

U:\222706047\Working Files\VA_architecture\01_cad\01_sheets\A121
 2/24/24 11:32:27 PM

1

2

3

4

5

GARAGE

TREADMILL

EXAM EXAM EXAM NURSE STA

EXAM EXAM EXAM DRUGS TOILET TOILET WAITING ROOM

TREADMILL

OFFICE OFFICE OFFICE

XRAY WORKROOM ECHO LAB

SUB WAITING

COURTYARD 1

COURTYARD 2

COURTYARD 3

LOUNGE

STAIR

PREP

EXAM 1 EXAM 2 EXAM 3 NURSE STA

EXAM 4 EXAM 5 EXAM 6

WAITING ROOM

SPRINK.

ECHO

TREAD 1

EXAM 12 EXAM 11 EXAM 10 NURSE STA

EXAM 9 EXAM 8 EXAM 7

ABI / SLEEP

TREAD 2

EXAM 13 EXAM 14 EXAM 15 NURSE STA

EXAM 16 EXAM 17 EXAM 18

TOILET

TREAD 3

ABI / SLEEP

TREAD 4

EXAM 24 EXAM 23 EXAM 22 NURSE STA

EXAM 21 EXAM 20 EXAM 19

RECEPTION

ELECT. TOILET TOILET

COA

TOILET DRESS.

BIO-Z

EECP

OFFICE 1

OFFICE 2

BIO-Z OFFICE 3

OFFICE 4

OFFICE 5

OFFICE 6

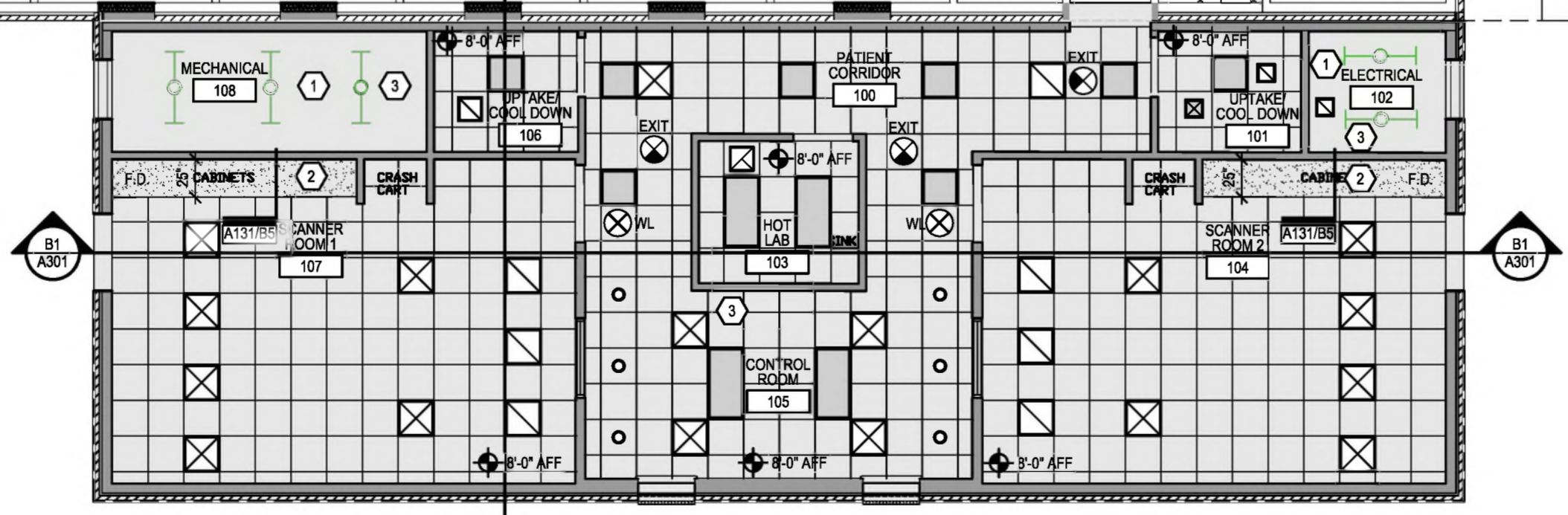
TOILET

JANITOR

TOILET

STAIR

PATIENT DROP-OFF

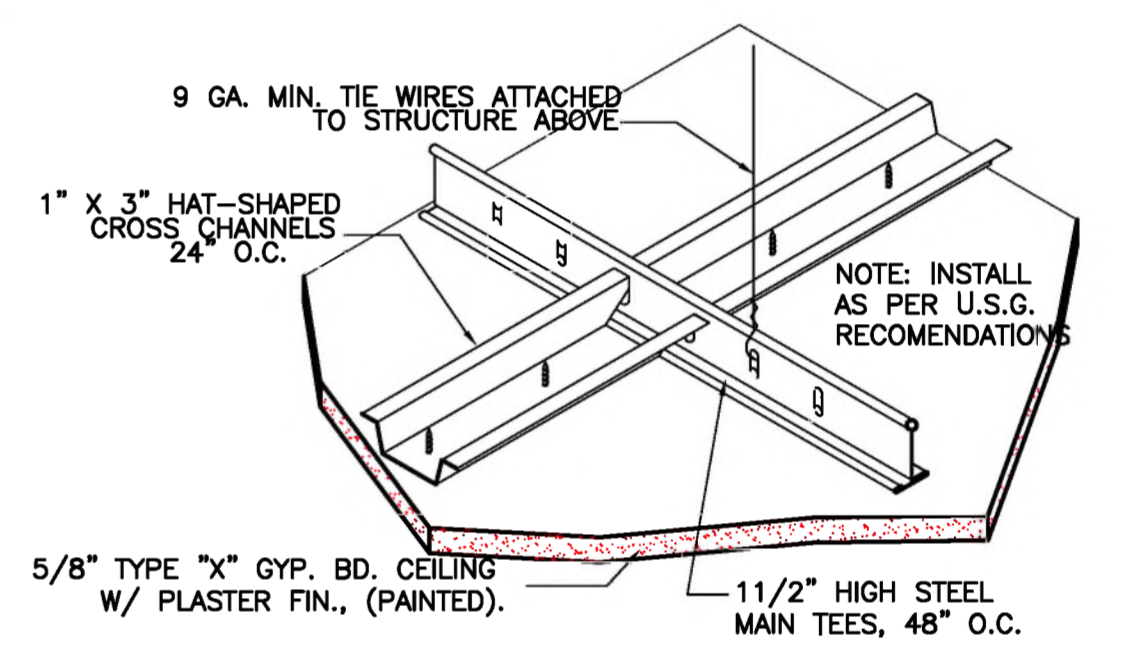


GENERAL RCP NOTES

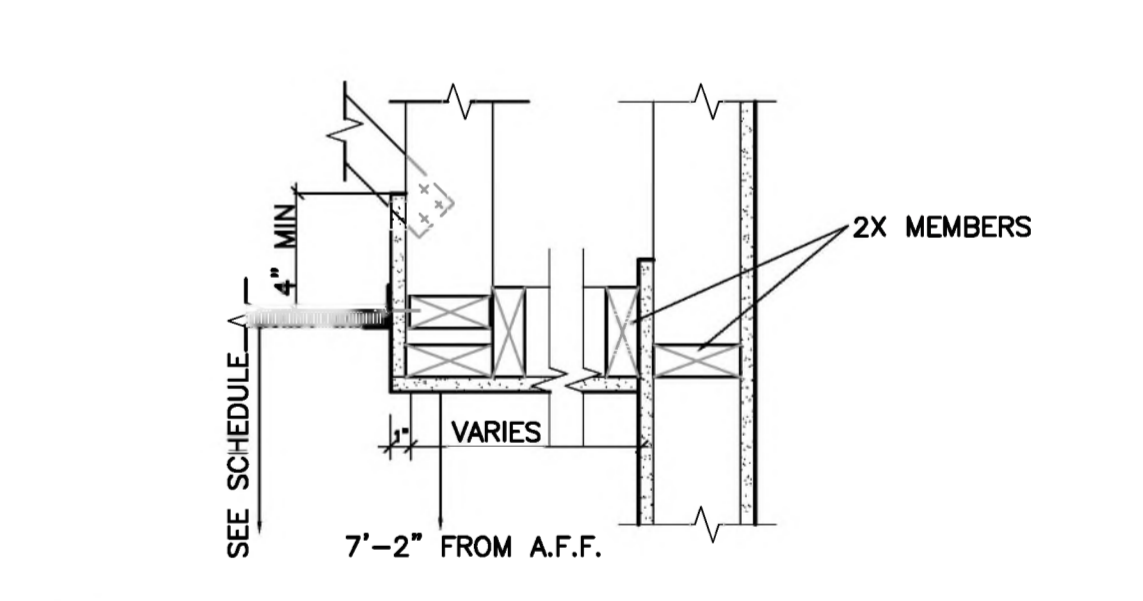
- THIS PLAN IS FOR LOCATION OF LIGHT FIXTURES AND OTHER CEILING PLAN ELEMENTS ONLY. REFER TO ENGINEERING DRAWINGS ADDITIONAL INFORMATION INCLUDING SWITCHING, CIRCUITING, AND LIFE SAFETY EQUIPMENT.
- LAY IN CEILINGS SHALL BE INSTALLED CENTERED IN THE ROOM, EACH WAY, UNLESS NOTED OTHERWISE.
- TYPICAL CEILING HEIGHT IS 8'-0" A.F.F. UNLESS NOTED OTHERWISE.
- LIGHT FIXTURES ARE DIMENSIONED TO CENTERLINE OF FIXTURE, UNLESS NOTED OTHERWISE.
- DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS OR BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHALL BE CLARIFIED WITH THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
- ALL FIXTURES SHALL BE INSTALLED IN CENTER OF CEILING TIE UNLESS NOTED OTHERWISE. DISCREPANCIES WITH LIGHT FIXTURES, SWITCHES, THERMOSTATS, OR DIFFUSERS AS TO LOCATION BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS OR BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHALL BE CLARIFIED WITH THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
- SPACE GYPSUM BOARD CONTROL JOINTS 30" O.C. MAXIMUM. VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- COMBUSTIBLE BULKHEAD FRAMING ENCLOSED RETURN AIR PLENUMS SHALL BE COVERED WITH FIRE TAPED GYPSUM DRYWALL ON INTERIOR BULKHEAD SURFACES UP TO THE RATED DRYWALL CEILING AT THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF FRAMING ABOVE. FURRED CEILING ENCLOSED RETURN AIR PLENUMS SHALL BE CONSTRUCTED USING A SUSPENDED LIGHT GAUGE METAL DRYWALL CEILING SYSTEM. NO COMBUSTIBLE MATERIALS ARE TO BE EXPOSED INSIDE RETURN AIR PLENUM SPACES. REFER TO MECHANICAL PLANS.
- IN TYPE III AND V CONSTRUCTION, ALL FURRED DRYWALL CEILINGS NOT ENCLOSED RETURN AIR PLENUMS OR RATED SHAFTS MAY AT THE CONTRACTOR'S OPTION, BE CONSTRUCTED USING SUSPENDED WOOD FRAMING MEMBERS OR A LIGHT GAUGE METAL CEILING SUSPENSION SYSTEM. FRAMING MEMBERS AT FURRED CEILINGS SHALL BE PROVIDED AT NOT MORE THAN 24" ON CENTER. WOOD FRAMING, IF USED, SHALL BE SUSPENDED AND SUPPORTED FROM STRUCTURAL FLOOR OR ROOF FRAMING AT NOT MORE THAN 4'-0" ON CENTER. REFER TO MECHANICAL PLANS.
- ALL DUCT WORK TO BE HELD AS HIGH & TIGHT AS POSSIBLE TO BOTTOM OF ROOF OR FLOOR STRUCTURE. DUCT TO BE SUPPORTED FROM TOP ROOF JOIST AND GIRDER CHORDS.
- DO NOT SUSPEND ANY ITEMS FROM HORIZONTAL BRIDGING OR X-BRACING, OR PIPING AND CONDUITS OR ANY WORK BY OTHER TRADES.
- UNLESS OTHERWISE INDICATED, EACH SUBCONTRACTOR AND GENERAL CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND SUPPORTING ALL ITEMS FROM THE ROOF STRUCTURE FOR GRAVITY LOADS AND TO RESIST SEISMIC MOVEMENTS AS REQUIRED BY ALL APPLICABLE CODES. ANY BRACING WITH SIGNIFICANT VISUAL IMPACT IS SUBJECT TO ARCHITECT REVIEW AND APPROVAL.

RCP KEYNOTES

- NO CEILING SYSTEM IN MECHANICAL AND ELECTRICAL ROOMS. CONTINUE GYP. BOARD ON WALLS UP TO DECK ABOVE.
- PROVIDE GYPSUM BOARD FURR DOWN AT THIS LOCATION (SEE DETAIL BS SHEET A131)
- PROVIDE 5/8" GYPSUM BOARD UNDER TRUSS COVERING ALL AREA EXCLUDING (MECH. ROOM # 108 & ELEC. ROOM # 102).



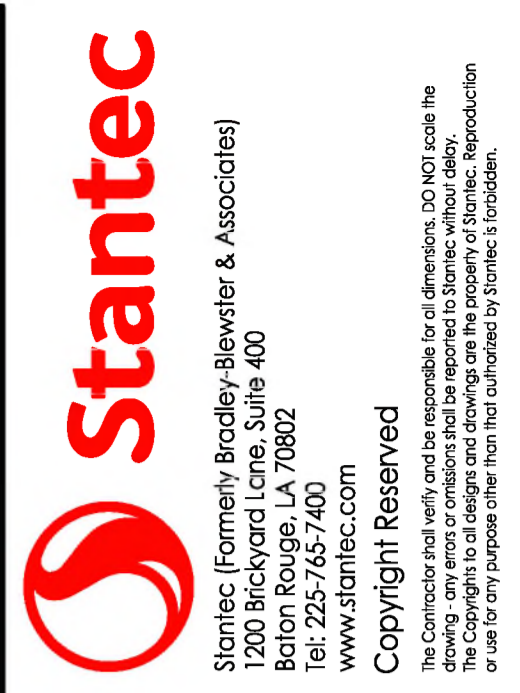
C5 GYPSUM BD. CEILING SUSPENDED DETAIL



B5 FURR DOWN DETAIL

CEILING PLAN LEGEND

- 24" X 24" CEILING GRID WITH ACOUSTIC CEILING TILE
- 24" X 24" CEILING GRID WITH VINYL FACED CEILING TILE
- GYPSUM BOARD CEILING OR FURR DOWN
- EXIT SIGN - HATCH INDICATES TEXT LOCATION ON SIGN (RE: ELECTRICAL)
- SUPPLY DIFFUSER - SIZE VARIES (RE: MECHANICAL)
- RETURN AIR GRILLE - SIZE VARIES (RE: MECHANICAL)
- EXHAUST GRILLE - SIZE VARIES (RE: MECHANICAL)
- ACCESS PANEL - SIZE VARIES (RE: SPECS)
- CUBICLE CURTAIN AND TRACK
- F.D. FURR-DOWN ABOVE CABINETS
- WARNING LIGHT - IMAGING EQUIP.
- WALL MOUNTED LIGHT (RE: ELECTRICAL)
- WALL MOUNTED STRIP LIGHT (RE: ELECTRICAL)
- CEILING OR PENDANT MOUNTED STRIP LIGHT (RE: ELECTRICAL)
- SPEAKER (RE: ELECTRICAL)
- ELEVATION INDICATES CLEAR HEIGHT FROM FINISHED FLOOR TO FINISHED CEILING
- 2 X 4 LAY-IN LIGHT FIXTURE (RE: ELECTRICAL)
- 2 X 2 LAY-IN LIGHT FIXTURE (RE: ELECTRICAL)
- RECESSED CAN LIGHT (RE: ELECTRICAL)
- PENDANT LIGHT (RE: ELECTRICAL)
- LAY-IN LIGHT FIXTURE OF VARIOUS SIZES (RE: ELECTRICAL)



Revision	By	Date



Client/Project: PET Scan Addition to BRCC
 Project No.: 222706047
 File Name: A131
 Scale: AS INDICATED
 Dwn. Dgn. Crtd. YYYT.MM.DD
 2024.02.27

Title: FIRST FLR REFLECTED CEILING PLAN
 Revision: Sheet: of
 Drawing No.

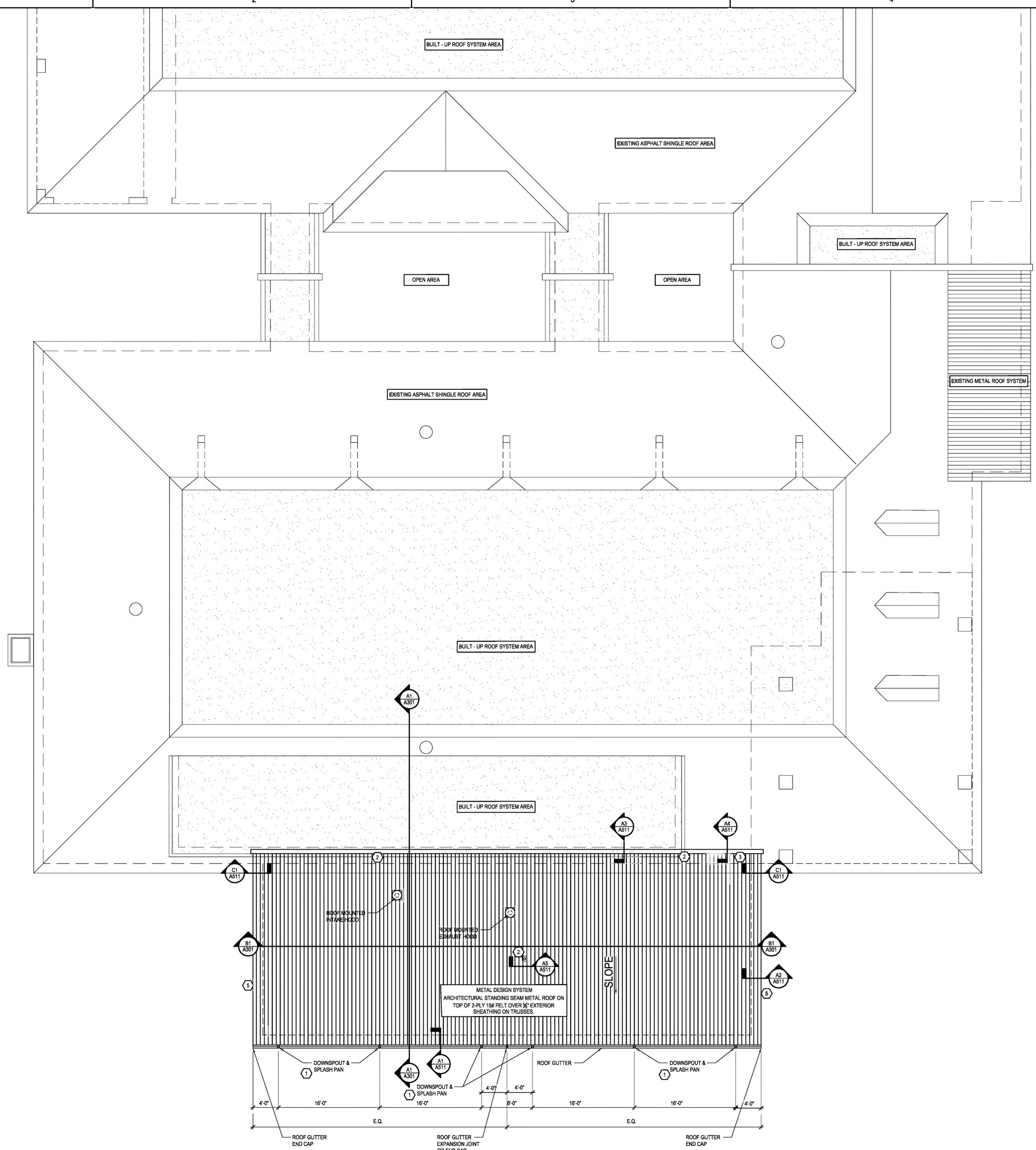
A131

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A1 FLOOR REFLECTED CEILING PLAN

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



GENERAL ROOF NOTES

1. CONTRACTOR NEEDS TO PROVIDE REQUIRED MATERIALS FOR STANDING SEAM METAL ROOF ACCORDING TO MANUFACTURE REQUIREMENTS. (SEE PROJECT MANUAL SPEC. BOOK)

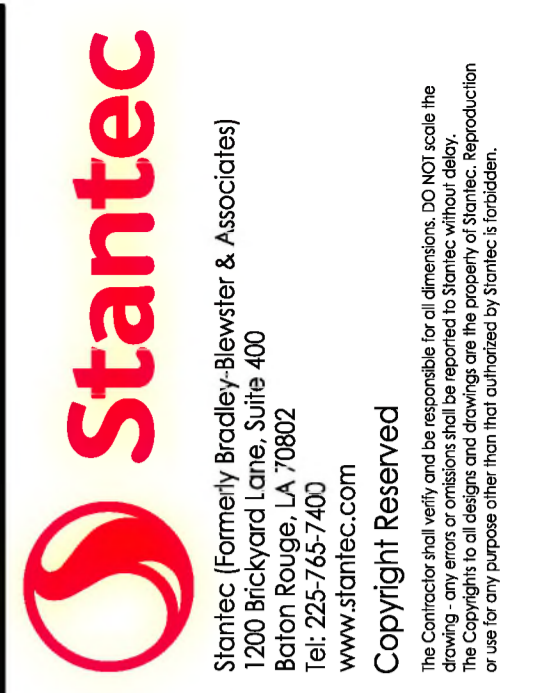
ROOF KEYNOTES

NOTE: NOT ALL KEYNOTES APPLY TO OR ARE SHOWN ON ALL SHEETS

1. PROVIDE MINIMUM 6" WIDE X 8" DEEP ROOF GUTTER WITH 6" X 6" DOWNSPOUT WITH SPLASH PAN (SEE SPEC. BOOK).
2. PROVIDE OPENING FOR METAL STACK VENT AT THIS LOCATION (SEE DETAIL ON SHEET AS11).
3. PROVIDE WALL FLASHING ALONG WALL AND TRANSITION TO ROOF FLASHING AT THIS LOCATION (SEE DETAILS ON SHEET AS11).
4. PROVIDE ROOF FLASHING FOR ASPHALT SHINGLES TO METAL ROOF AT THIS LOCATION ALONG ROOF LINE (SEE DETAIL ON AS11).
5. PROVIDE ROOF EDGE FLASHING ALONG ROOF AT THIS LOCATION (SEE DETAIL ON SHEET AS11).

ROOF PLAN LEGEND

- RD ROOF DRAIN. SEE DETAIL A511/01 (RE: PLUMBING)
- OPD OVERFLOW ROOF DRAIN. SEE DETAIL A511/01 (RE: PLUMBING)
- SLOPE SLOPED STRUCTURE (SLOPE 1/4" PER FOOT MIN)
- SLOPE TAPERED INSULATION (SLOPE 1/4" PER FOOT MIN)
- SLOPE STANDING METAL ROOF SEAM (SLOPE 1/2" PER FOOT)
- ROOF MOUNTED INTAKE & EXHAUST HOOD (SEE MECHANICAL DRAWINGS)



Revision	By	Appd	YYYY.MM.DD



Client/Project: PET Scan Addition to BRCC

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

Project No.: 222706047

File Name: A151

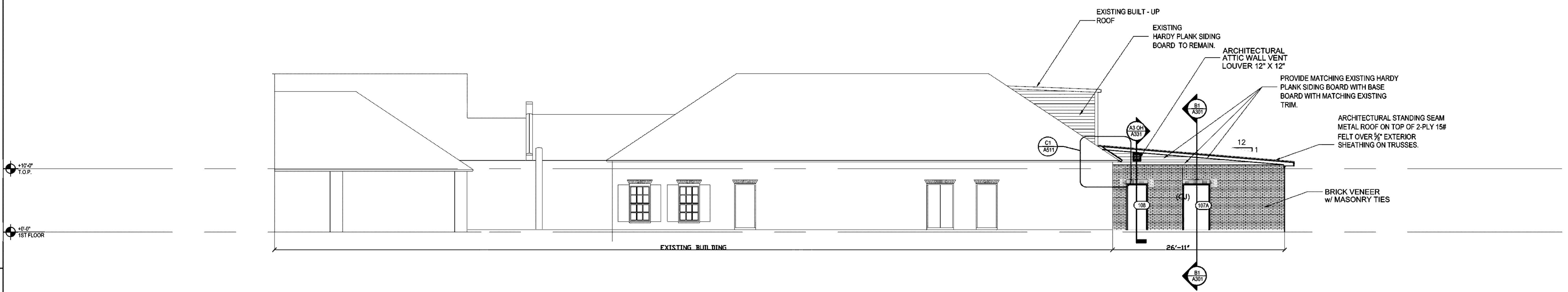
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Dwn. Dgn. Crtd. YYYY.MM.DD

2024.02.27

Title: ROOF PLAN

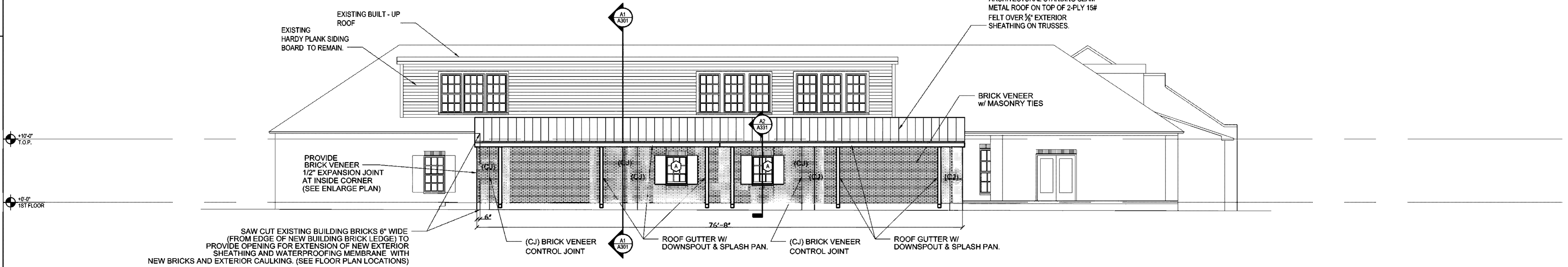
Revision: Sheet: of Drawing No. A151



C1 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



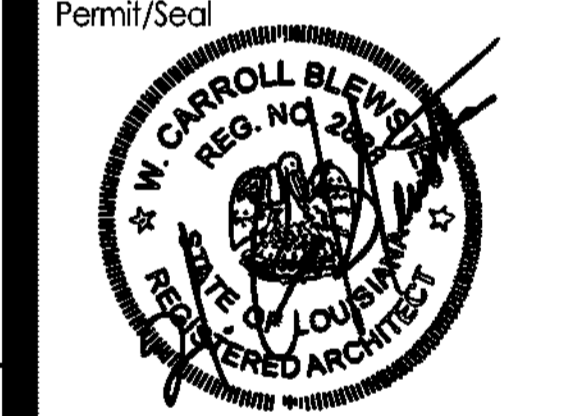
B1 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



A1 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

Consultant

Revision		By		Date	



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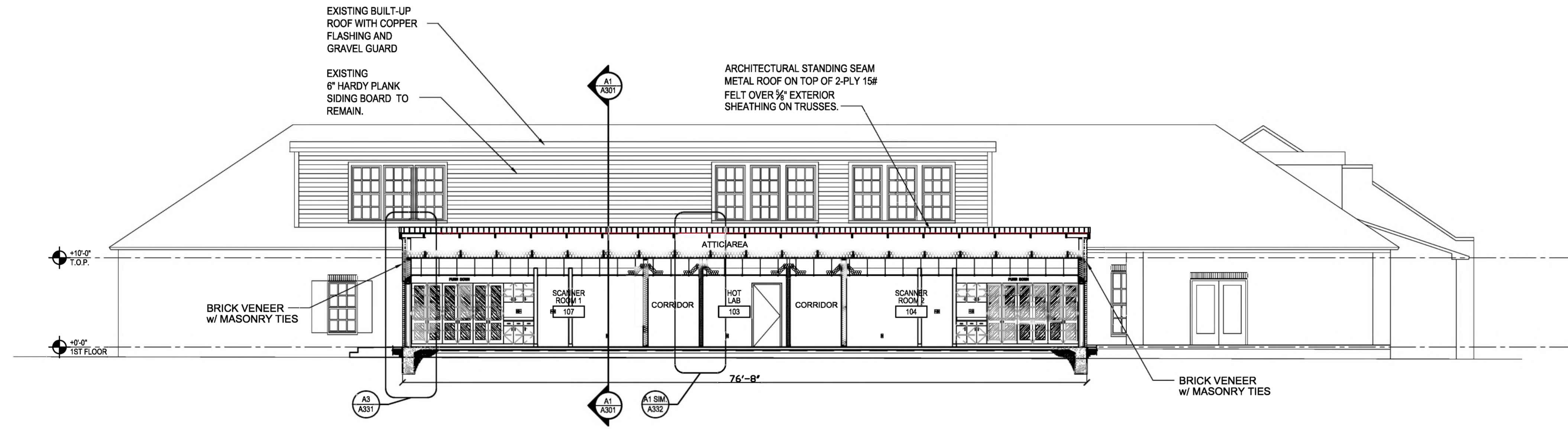
1 2 3 4 5

D

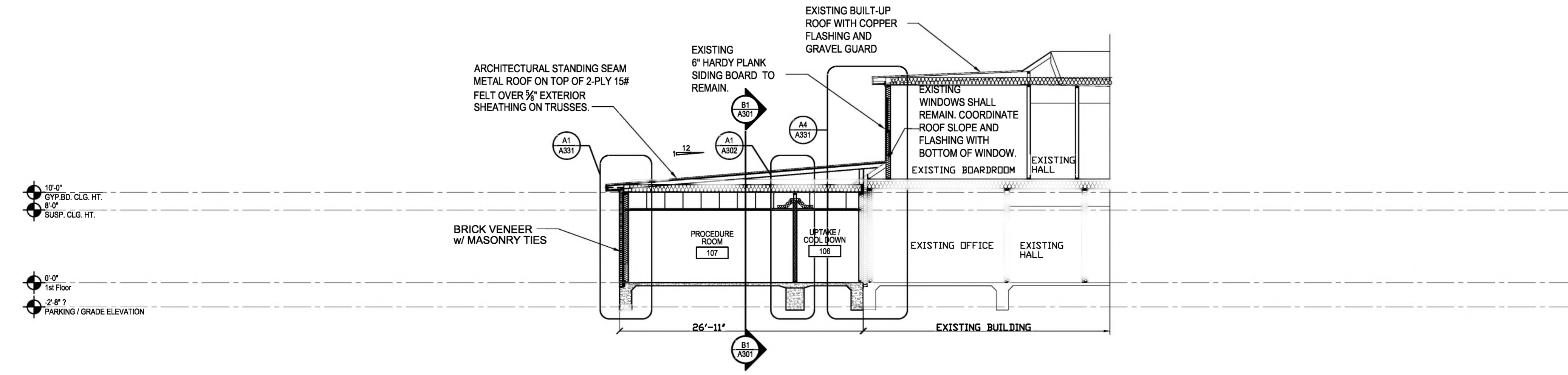
C

B

A



B1 PARTIAL BUILDING SECTION
SCALE: 1/8" = 1'-0"

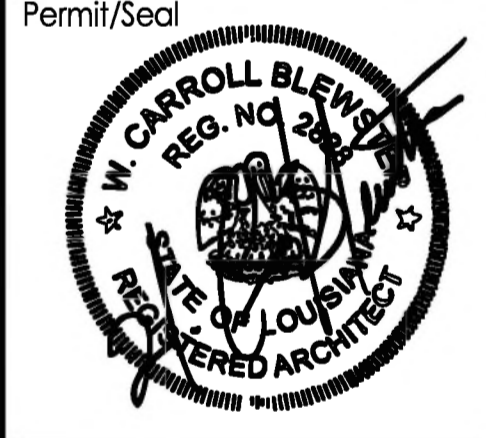


A1 PARTIAL BUILDING SECTION
SCALE: 1/8" = 1'-0"

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Consultant

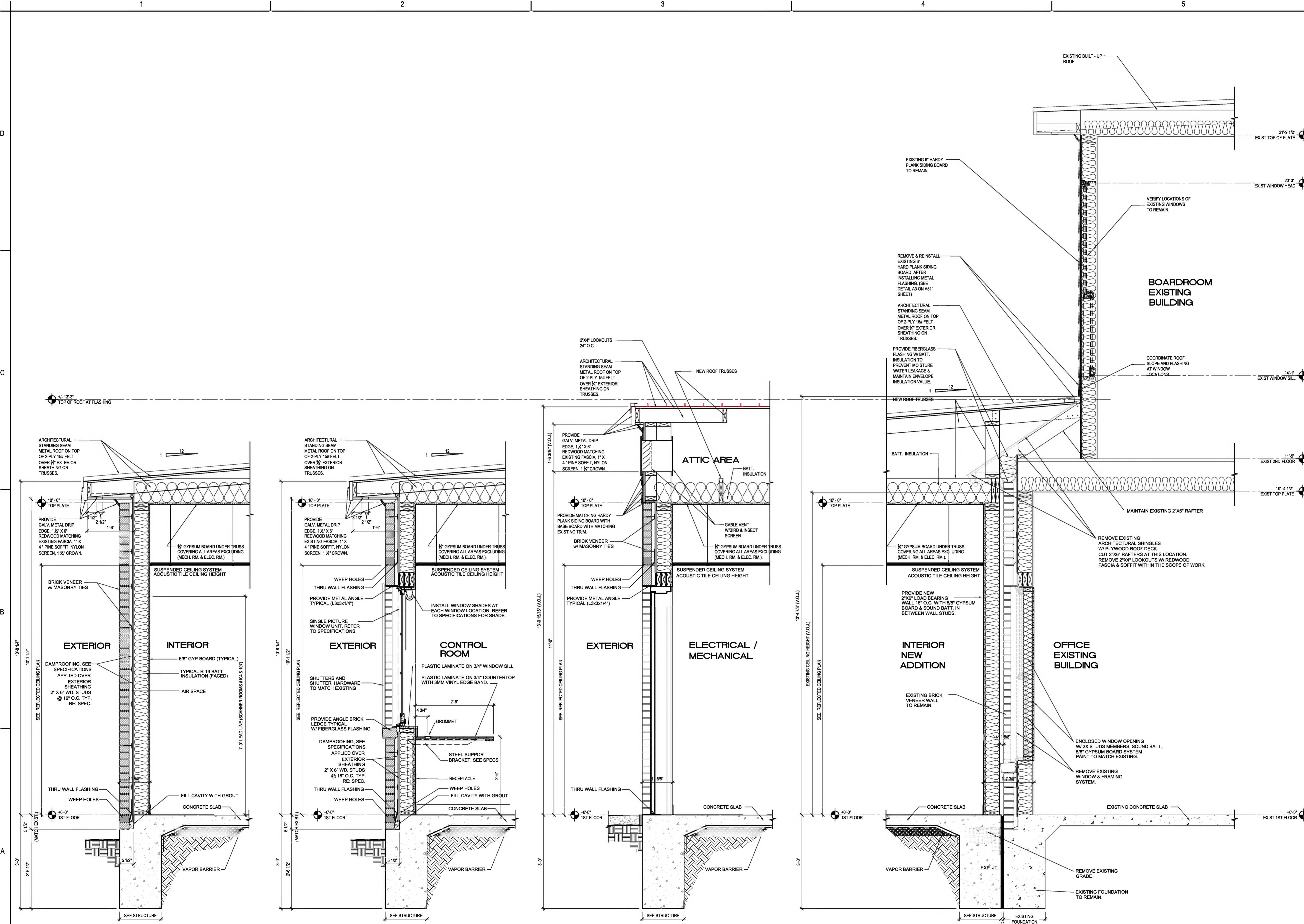
Revision	By	Appd	YYYY.MM.DD



Client/Project: PET Scan Addition to BRCC
 Project No.: 222706047
 File Name: A301
 Scale: AS INDICATED
 Title: BUILDING SECTIONS
 Revision: Sheet: of Drawing No.

A301

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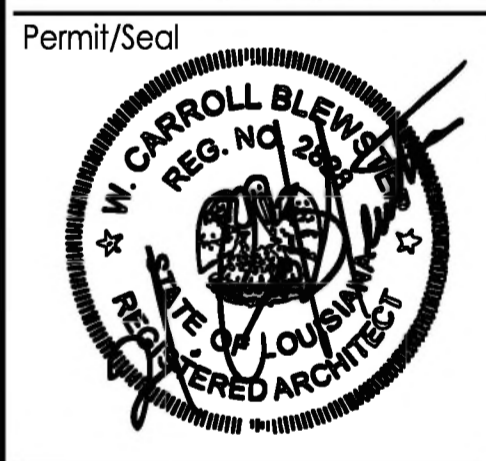
A1 TYPICAL EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0"

A2 CONTROL ROOM WINDOW WALL SECTION
SCALE: 3/4" = 1'-0"

A3 WALL SECTION WITH DOOR WAY SECTION
SCALE: 3/4" = 1'-0"

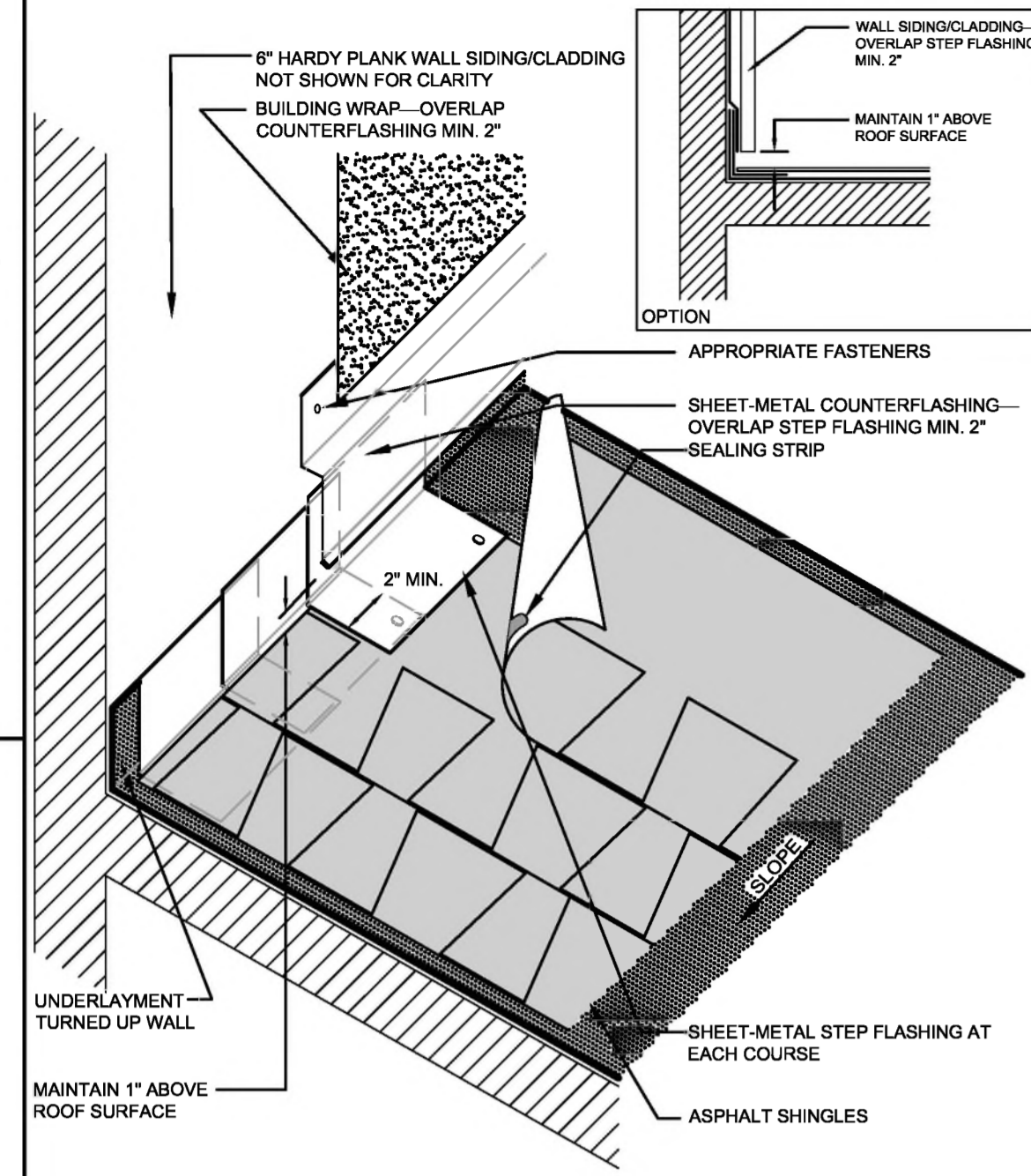
A4 BUILDING CONNECTION WALL SECTION
SCALE: 3/4" = 1'-0"

Revision	By	Appd	Date



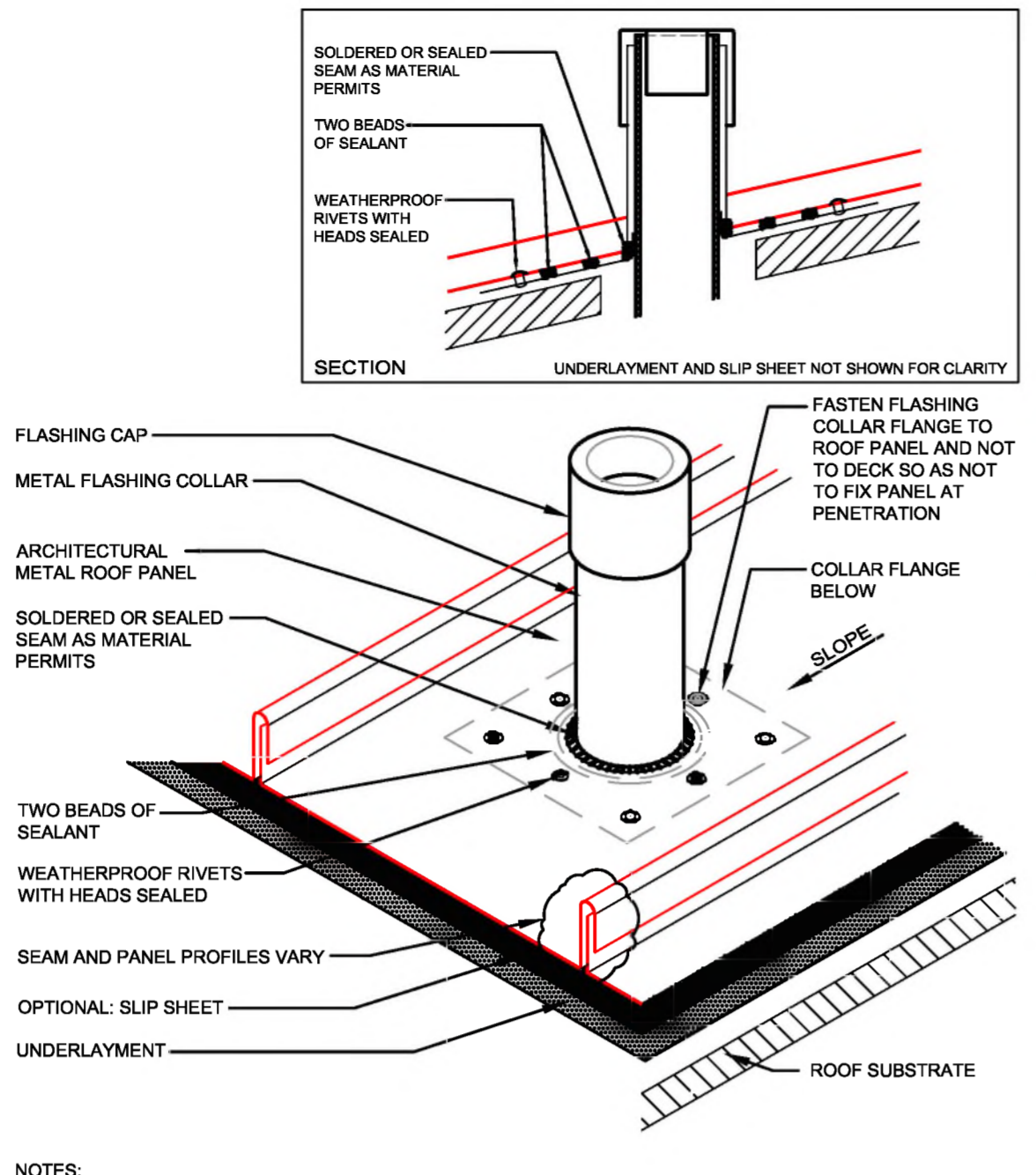
5231 BRITANNY DRIVE BATON ROUGE, LA 70808

Client/Project: **PET Scan Addition to BRCC**
 Project No.: 222706047
 File Name: A331-WALL SEC
 Scale: AS INDICATED
 Dwn: Dgn: C'kd: 2024.02.27
 Title: **WALL SECTIONS**



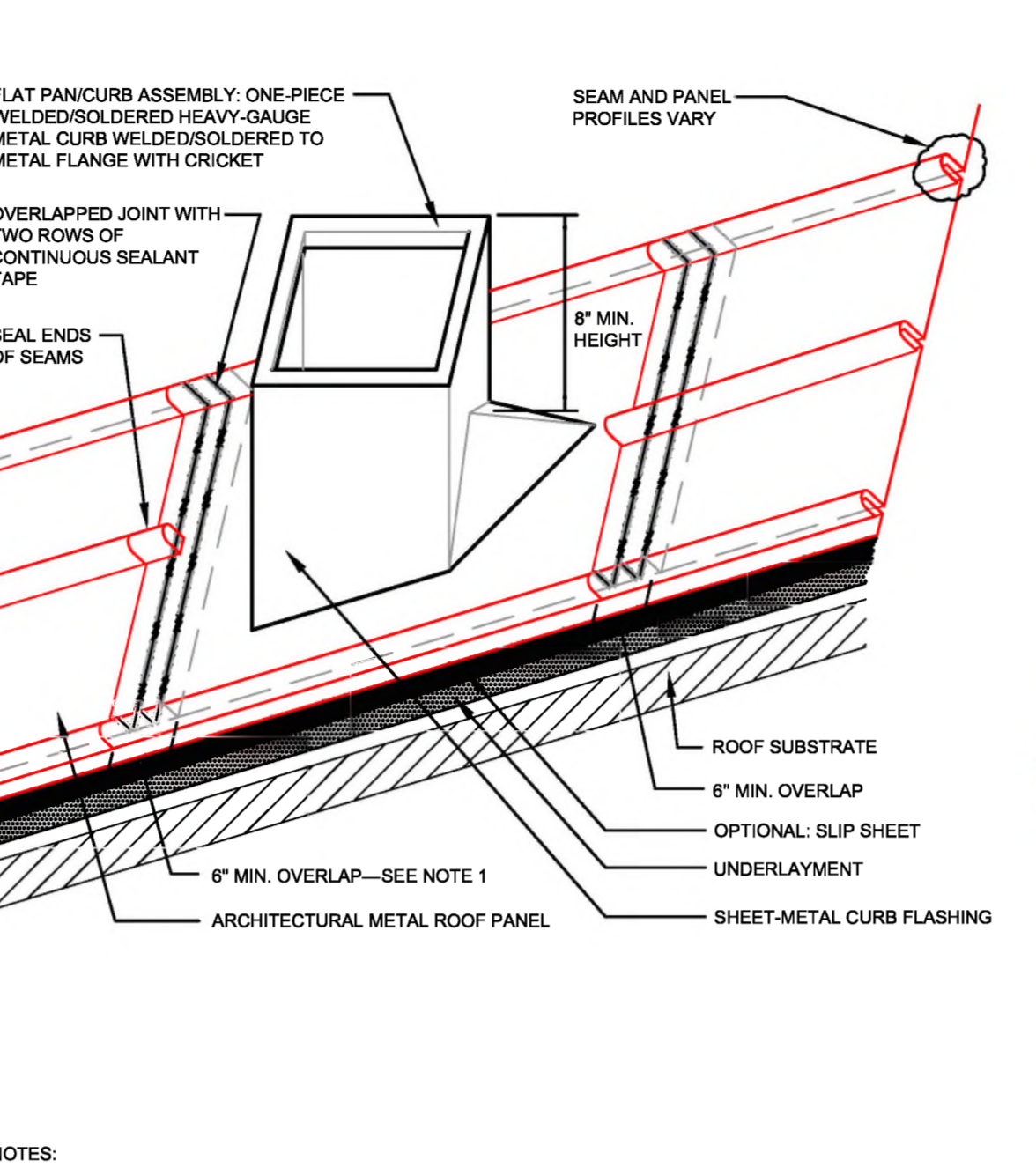
NOTES:
 1. FOR SELECTION AND JOINERY OPTIONS FOR SHEET METAL AND COUNTERFLASHING OPTIONS, REFER TO THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING.
 2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2017 NOT DRAWN TO SCALE **ASPH-13A**



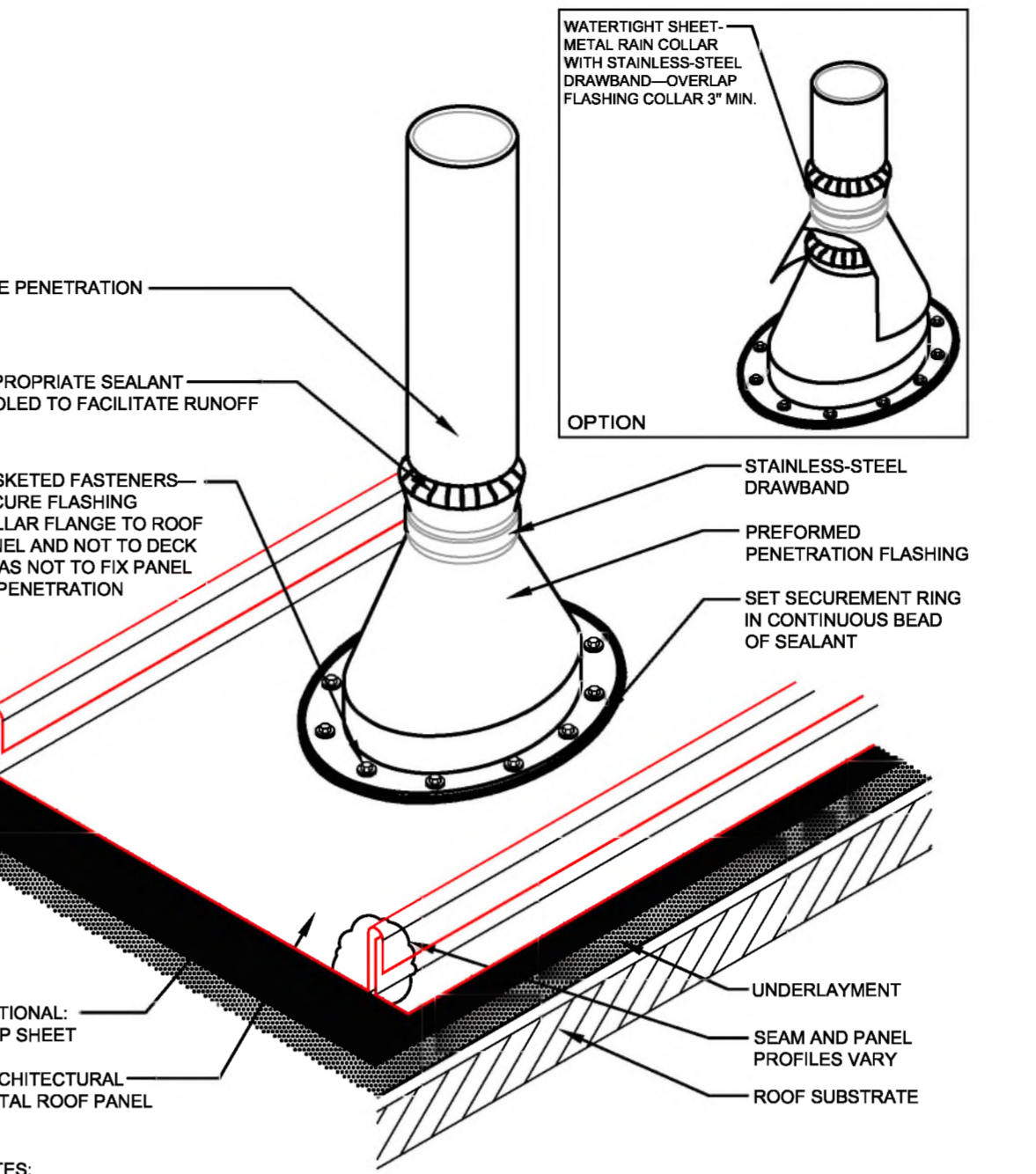
NOTES:
 1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
 3. FOR HOT PIPES, SPECIFIC HIGH-TEMPERATURE BOOTHS SHOULD BE USED.
 4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2016 NOT DRAWN TO SCALE **AM-15A**



NOTES:
 1. PROPER STRUCTURAL SUPPORT AND ATTACHMENT IS REQUIRED UNDER ALL SIDES OF RAISED CURB.
 2. CURB-MOUNTED EQUIPMENT SHOULD BE WEATHERPROOF AND HAVE A WEATHERPROOF INTERLOCK OR SUFFICIENT OVERLAP WITH THE CURB.
 3. PREMANUFACTURED CURBS ARE AVAILABLE.
 4. THIS DETAIL FIXES THE RAISED CURB TO THE ARCHITECTURAL METAL PANELS.
 5. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2016 NOT DRAWN TO SCALE **AM-17**



NOTES:
 1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
 3. FOR HOT PIPES, SPECIFIC HIGH-TEMPERATURE BOOTHS SHOULD BE USED.
 4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

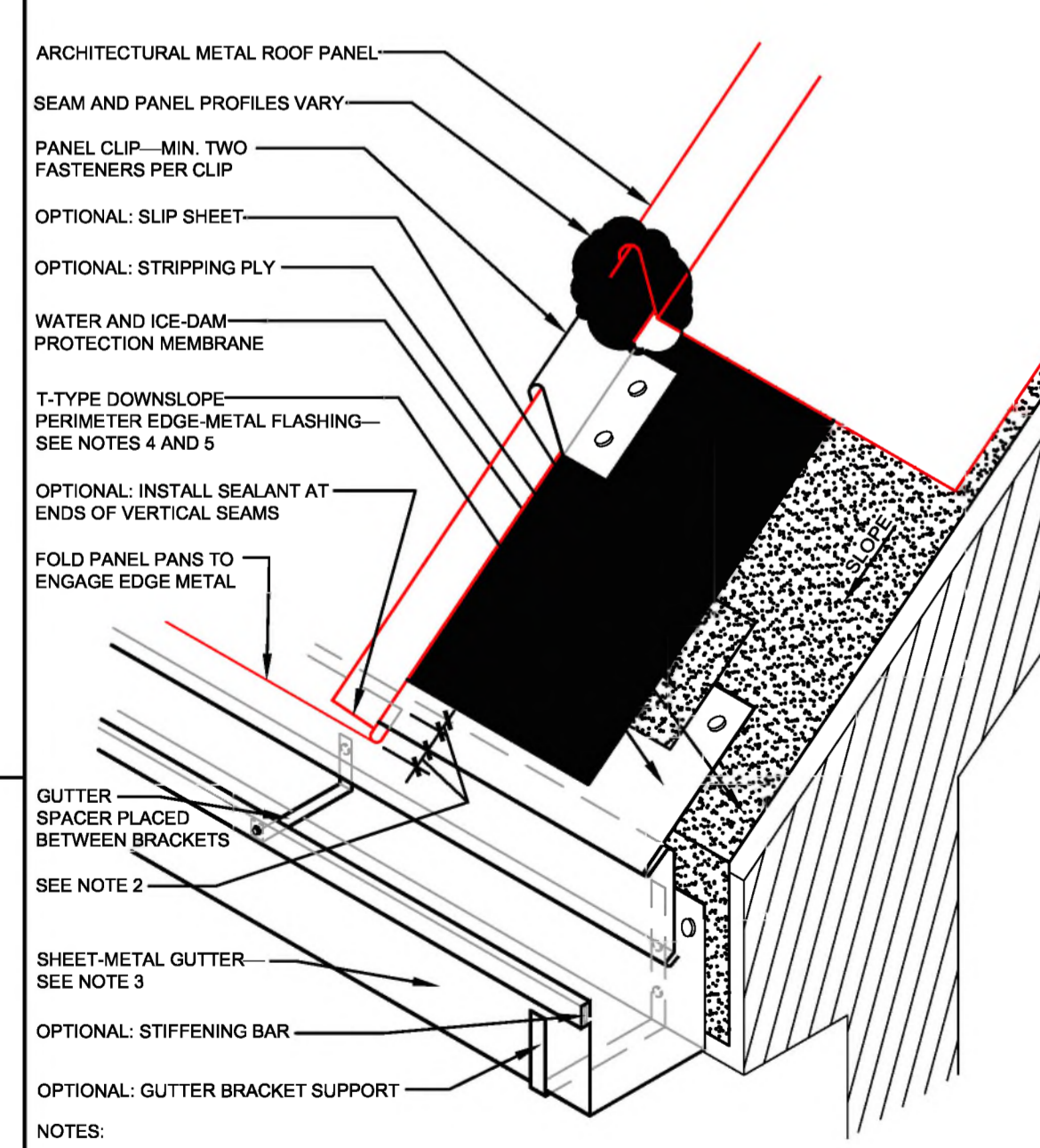
2016 NOT DRAWN TO SCALE **AM-15**

C1 **SIDEWALL FLASHING**
SCALE: NOT TO SCALE

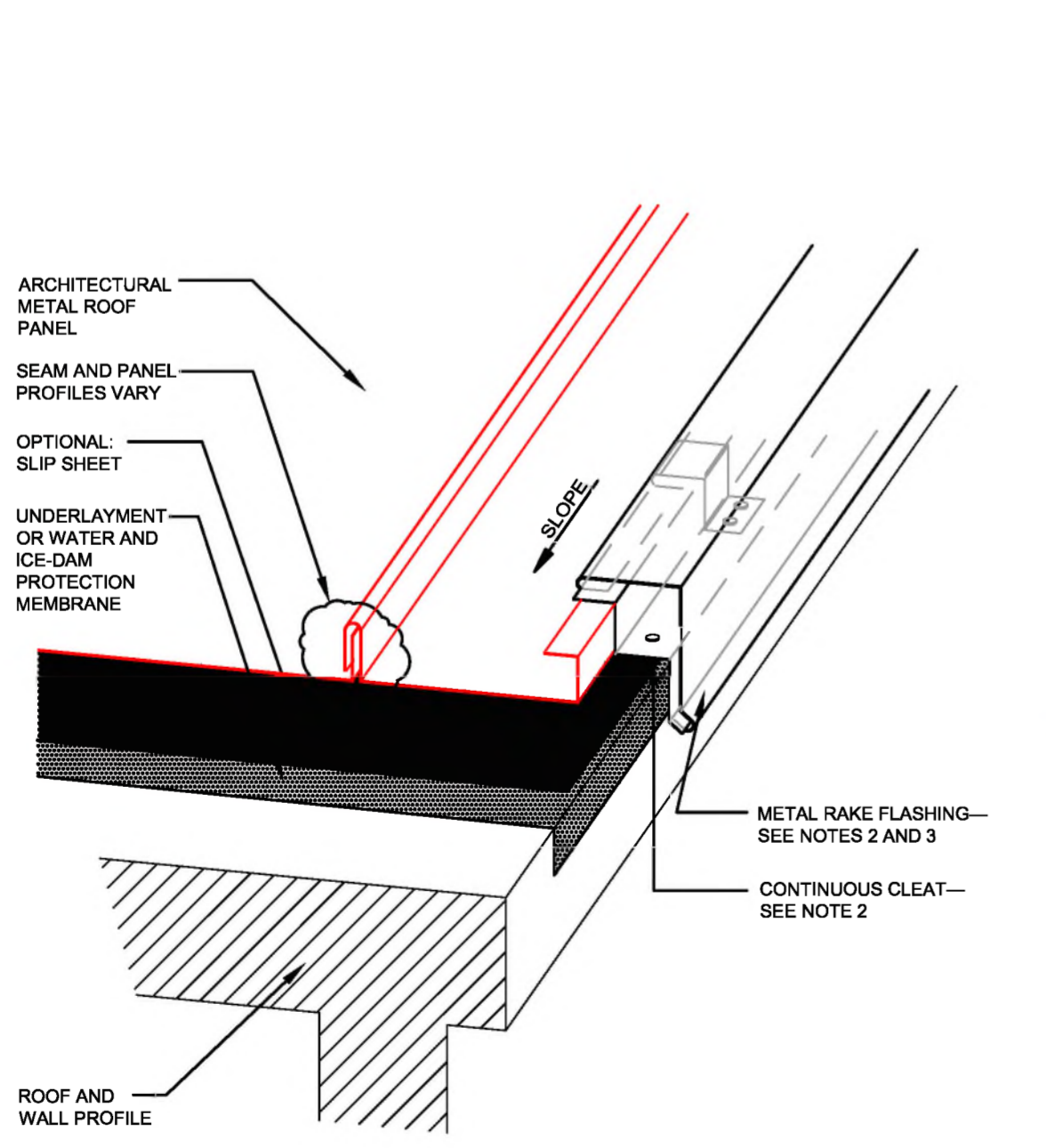
C2 **PIPE PENETRATION FLASHING**
SCALE: NOT TO SCALE

C3 **RAISED CURB FOR ROOFTOP EQUIPMENT**
SCALE: NOT TO SCALE

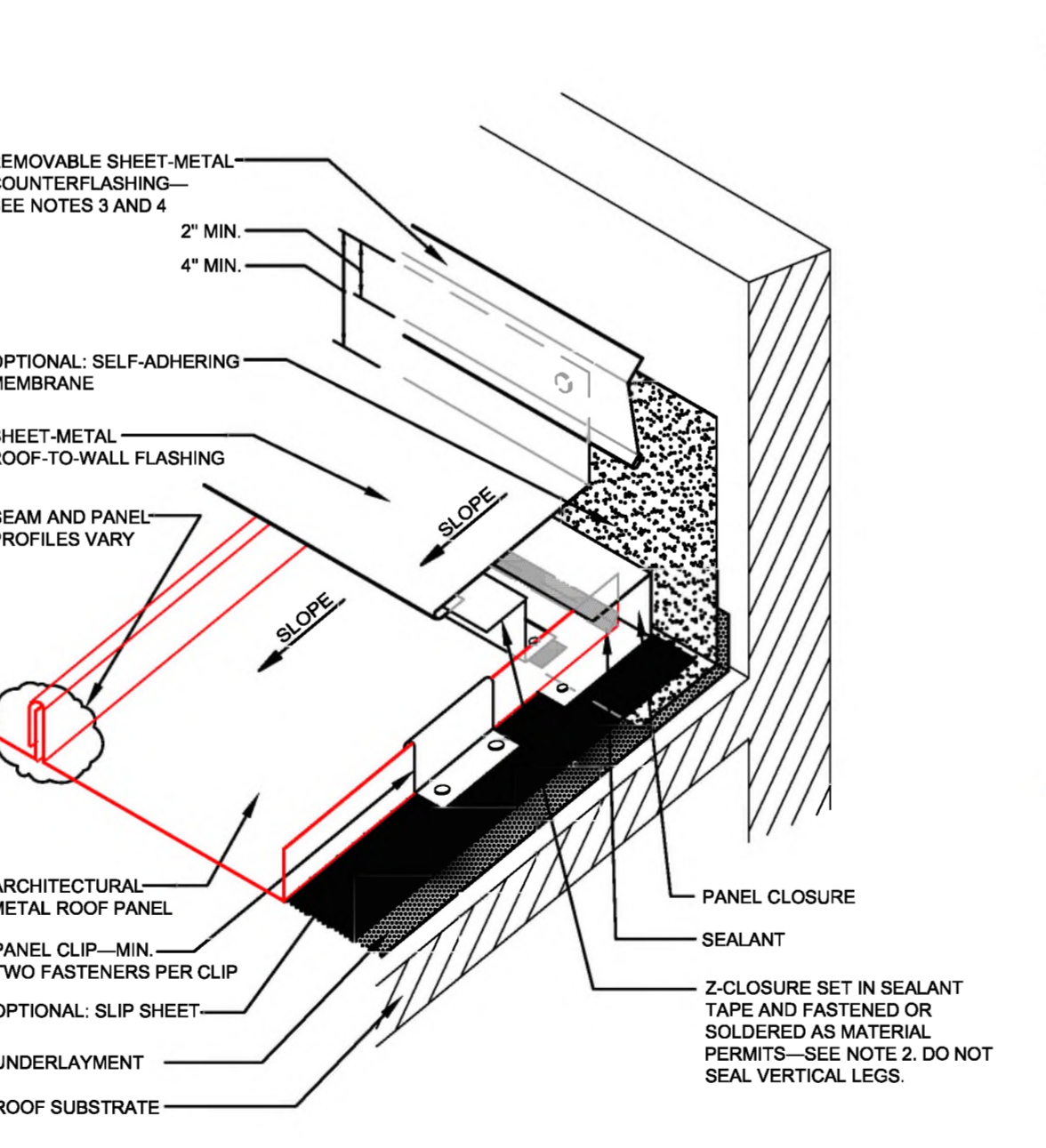
C4 **PIPE PENETRATION FLASHING**
SCALE: NOT TO SCALE



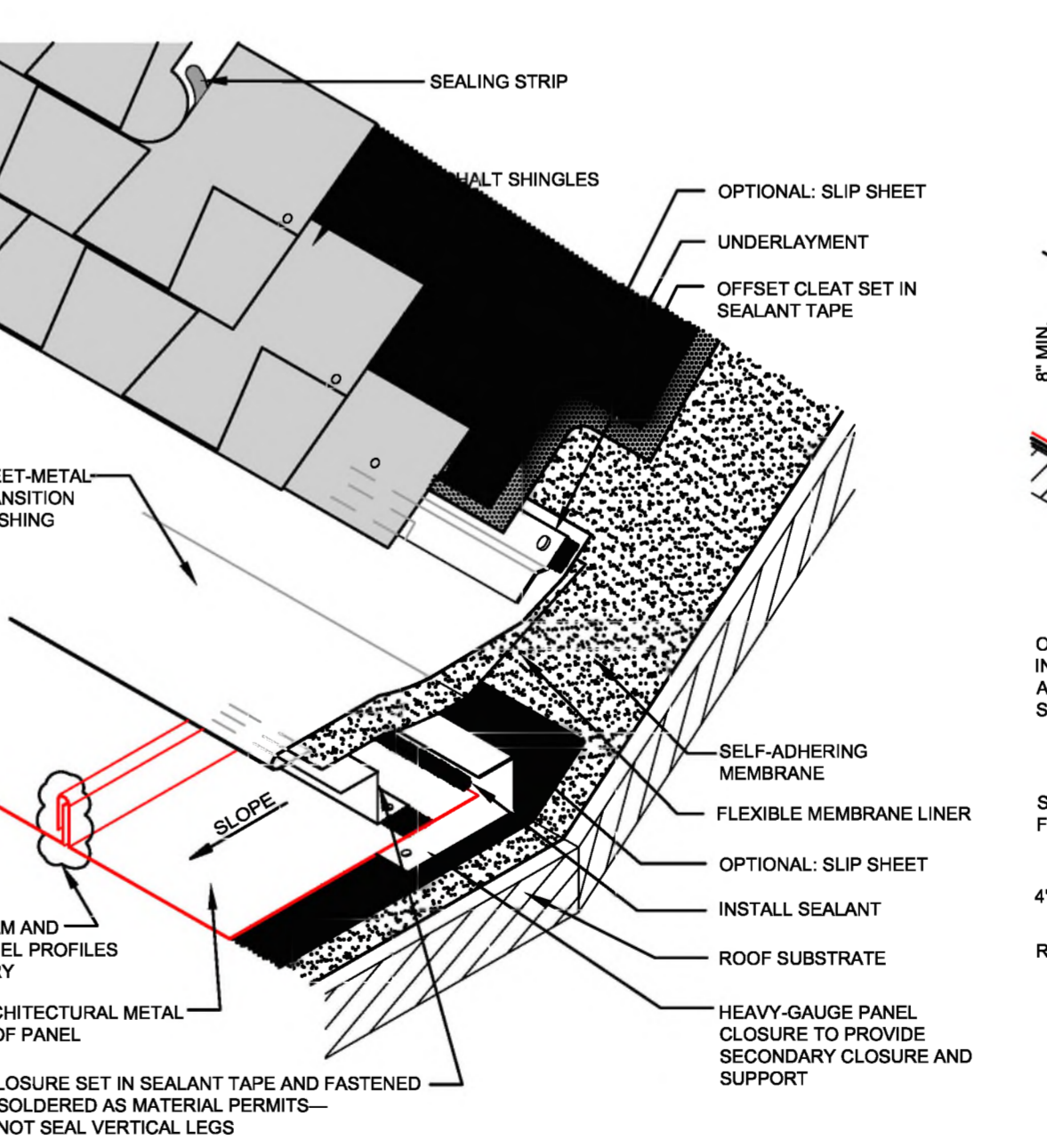
NOTES:
 1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. DIMENSIONS SHOULD ACCOMMODATE EXPECTED MOVEMENT. REFER TO SECTION 4.12 FOR INFORMATION ABOUT THERMAL MOVEMENT CONSIDERATIONS.
 3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR MORE INFORMATION ABOUT GUTTERS.
 4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS.
 5. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.



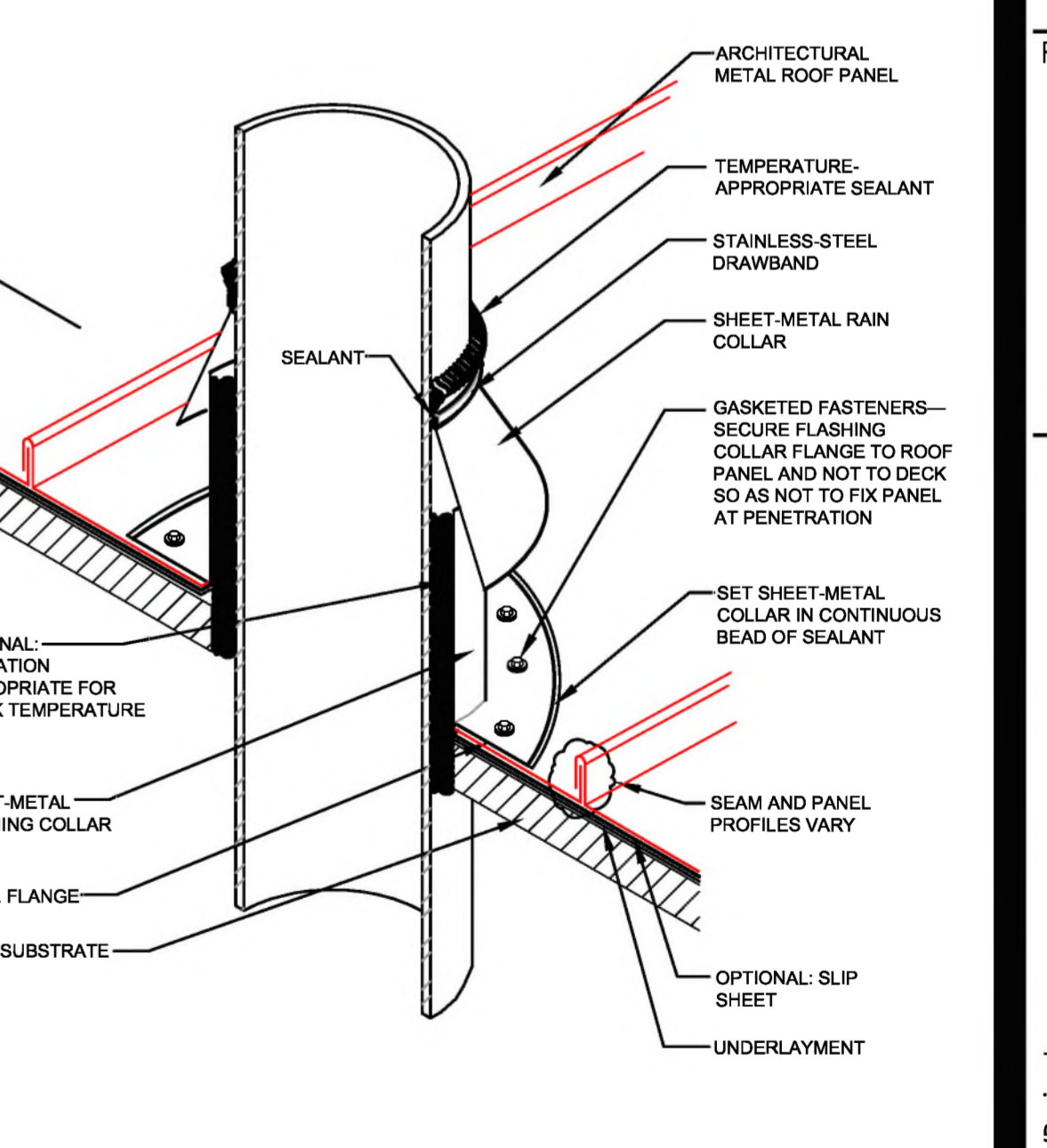
NOTES:
 1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS.
 3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.



NOTES:
 1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. IF THE Z-CLOSURE IS FASTENED THROUGH THE ROOF DECK, THE PANELS ARE FIXED ALONG THE HEADWALL. IF THE Z-CLOSURE IS FASTENED TO THE PANELS WITH RIVETS OR SOLDERED, THE PANELS ARE NOT FIXED AT THE HEADWALL, I.E. FLOATING.
 3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR COUNTERFLASHING OPTIONS.
 4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.



NOTES:
 1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. THIS DETAIL FIXES THE LOWER ROOF PANELS AT THE TOP OF THE PANEL.
 3. DIMENSIONS SHOULD ACCOMMODATE EXPECTED MOVEMENT. REFER TO SECTION 4.12 FOR INFORMATION ABOUT THERMAL MOVEMENT CONSIDERATIONS.
 4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.



NOTES:
 1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. VENT STACKS AND OTHER PIPES SHOULD HAVE ADEQUATE CLEARANCE ON ALL SIDES FROM WALLS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING AND PANEL BRAMING.
 3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

A1 **EAVE WITH GUTTER**
SCALE: NOT TO SCALE

A2 **RAKE EDGE FLASHING TYPICAL**
SCALE: NOT TO SCALE

A3 **METAL ROOF-TO-WALL**
SCALE: NOT TO SCALE

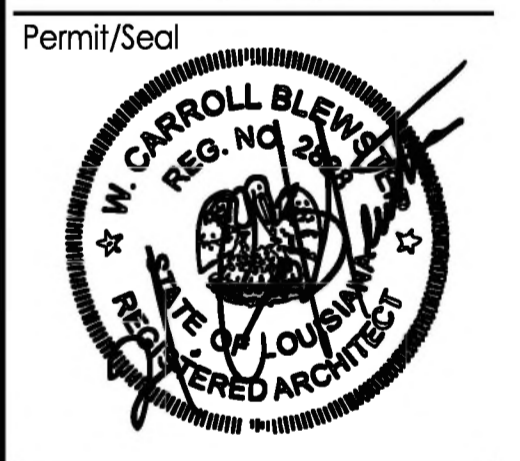
A4 **METAL TO SLOPE EXIST. SHINGLES ROOF**
SCALE: NOT TO SCALE

A5 **SHEET METAL STACK VENT**
SCALE: NOT TO SCALE

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Consultant

By	YYYY.MM.DD
Appd	YYYY.MM.DD
Revision	
By	YYYY.MM.DD
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By	YYYY.MM.DD
Appd	YYYY.MM.DD



Permit/Seal

Client/Project
 PET Scan Addition to BRCC

Project No.: 222706047
File Name: AS11-ROOF.DTL
Scale: AS INDICATED
 WJM Jr WJM Jr B.C. 2024.02.27
 Dwn. Dgn. Crtd. YYYY.MM.DD

Title
 ROOF DETAILS

Revision: Sheet: of
 Drawing No. **A511**

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

INTERIOR PARTITION NOTES

- PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION OR A COMBINATION OF BOTH DESIGNATIONS.
- THE SYMBOL DESIGNATION CONSISTS OF TWO AND THREE CHARACTERS. THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE. THE SECOND CHARACTER IS NUMERIC INDICATING THE STUD OR CMU WIDTH. THE PRESENCE OR ABSENCE OF A 'STAR' CHARACTER ABOVE INDICATES WHETHER SOUND ATTENUATION IS REQUIRED OR NOT. TWO CHARACTERS BELOW INDICATE THE LEVEL OF FIRE/SMOKE PROTECTION, IF ANY, REQUIRED. REFER TO PARTITION TAG LEGEND BELOW.

PARTITION TAG LEGEND

WALL WIDTH KEY	
NUMERIC CHARACTER INDICATES WALL STUD/CMU WIDTH (RE: WALL WIDTH KEY)	ACTUAL STUD WIDTH
* = SOUND ATTENUATION	NOMINAL STUD SIZE
NO * = NO SOUND ATTENUATION	

RATINGS KEY	
2S	2 HR SMOKE BARRIER
2F	2 HR FIRE BARRIER
2H	2 HR FIRE BARRIER SHAFT WALL
1S	1 HR SMOKE BARRIER
1F	1 HR FIRE BARRIER
1H	1 HR FIRE BARRIER SHAFT WALL
SM	SMOKE RESISTIVE CONSTRUCTION (NON-RATED)
-	NO RATING

NUMERIC CHARACTER	ACTUAL STUD WIDTH	NOMINAL STUD SIZE
4	3 1/2"	2X4
6	5 1/2"	2X6
8	7 1/4"	2X8

- IF NO SYMBOL DESIGNATION IS PROVIDED, THE STUD SIZE WILL BE 3 1/2".
- "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN.
- SEALANT:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE/SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE/SMOKE FIRE STOPPING SYSTEM.
 - NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL USE ACOUSTICAL SEALANT.
- INSULATION - HEAD CONDITIONS AT FLOOR/ROOF DECK:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
 - NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB).
- FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
- SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
- EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND SMOKE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 6" - 0" OC MAX EACH SIDE.
- GRAPHIC DESIGNATIONS ARE SHOWN ON LIFE SAFETY PLANS.
- REFER TO TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.

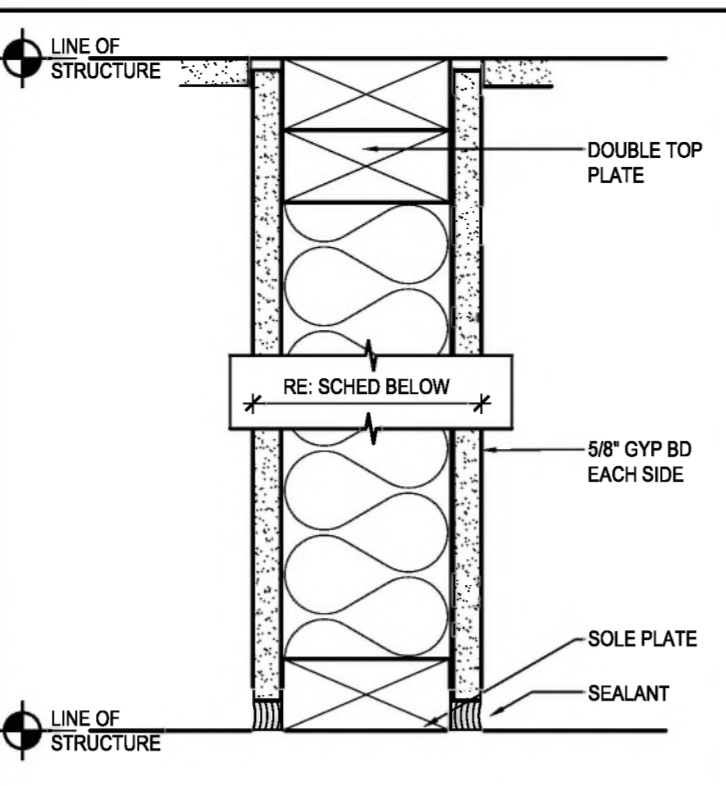
NOTE:

- NOT ALL PARTITION TYPES SHOWN ARE USED ON THIS PROJECT.
- THE SHADED PORTIONS OF A PARTITION TYPE ARE NOT INCLUDED IN THE SCOPE OF THE WORK.
- THE UN-SHADED PORTIONS OF ALL PARTITION TYPES ARE INTENDED TO BE IN THE SCOPE OF THE WORK.

HATCHES

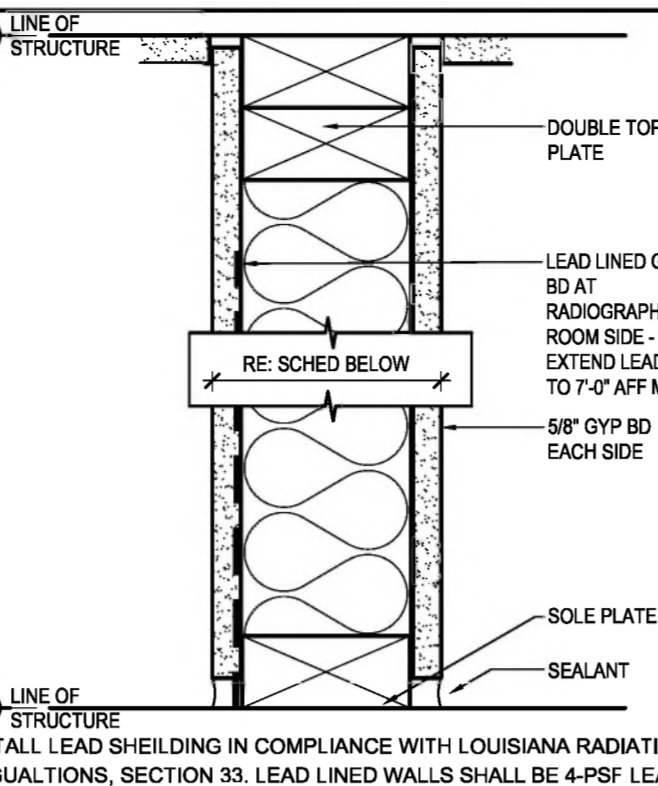
	PARTITION TYPE INCLUDED IN SCOPE OF WORK
	PARTITION TYPE NOT INCLUDED IN SCOPE OF WORK

PARTITION TYPE "A"

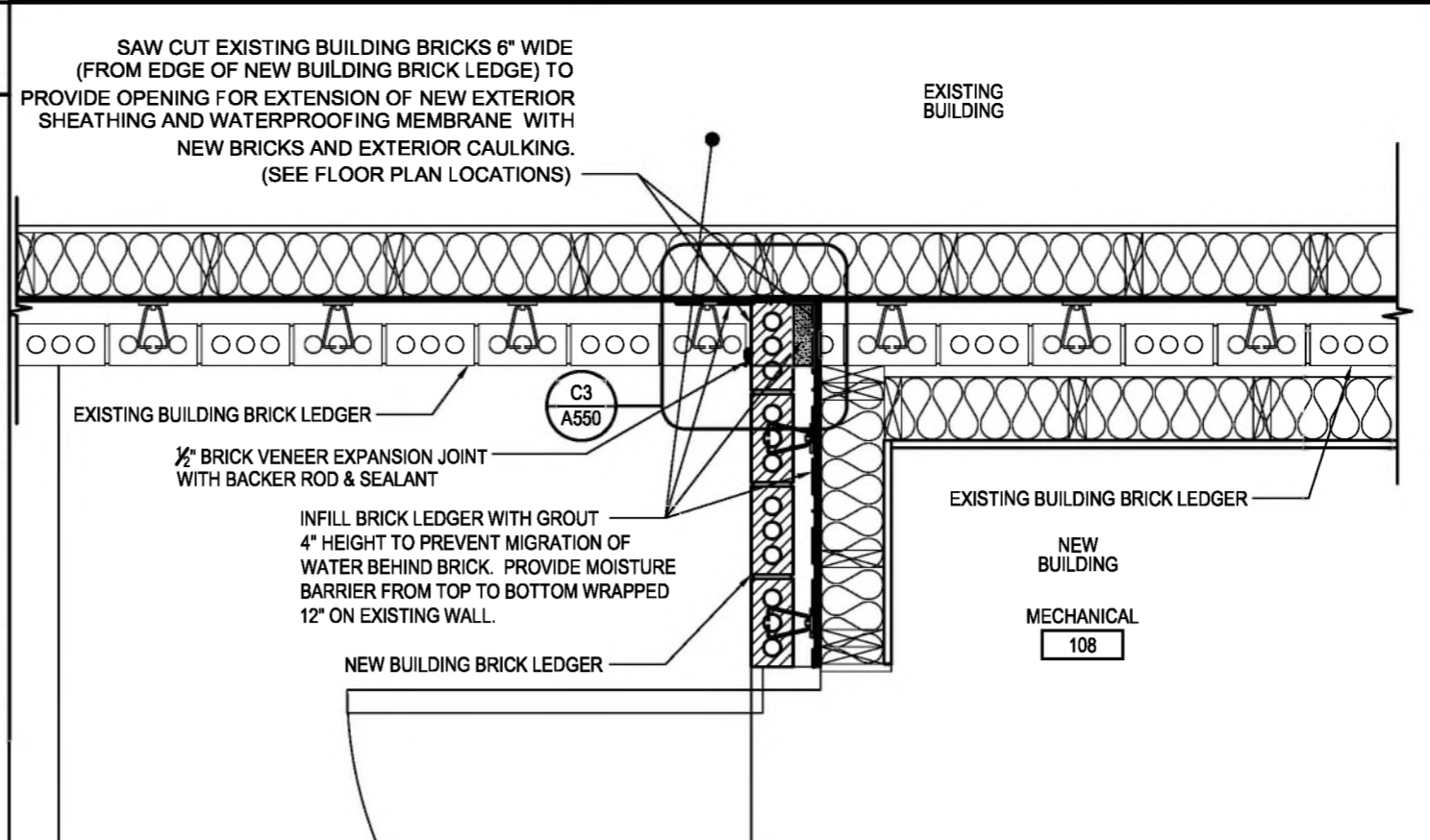


FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
A4	3 1/2"	4 3/4"	NON-RATED	NA	33
A4*	3 1/2"	4 3/4"	NON-RATED	NA	36 W/ 3" SAB
A6	5 1/2"	6 3/4"	NON-RATED	NA	33
A6*	5 1/2"	6 3/4"	NON-RATED	NA	36 W/ 3" SAB
A8	7 1/4"	8 3/4"	NON-RATED	NA	33
A8*	7 1/4"	8 3/4"	NON-RATED	NA	36 W/ 3" SAB

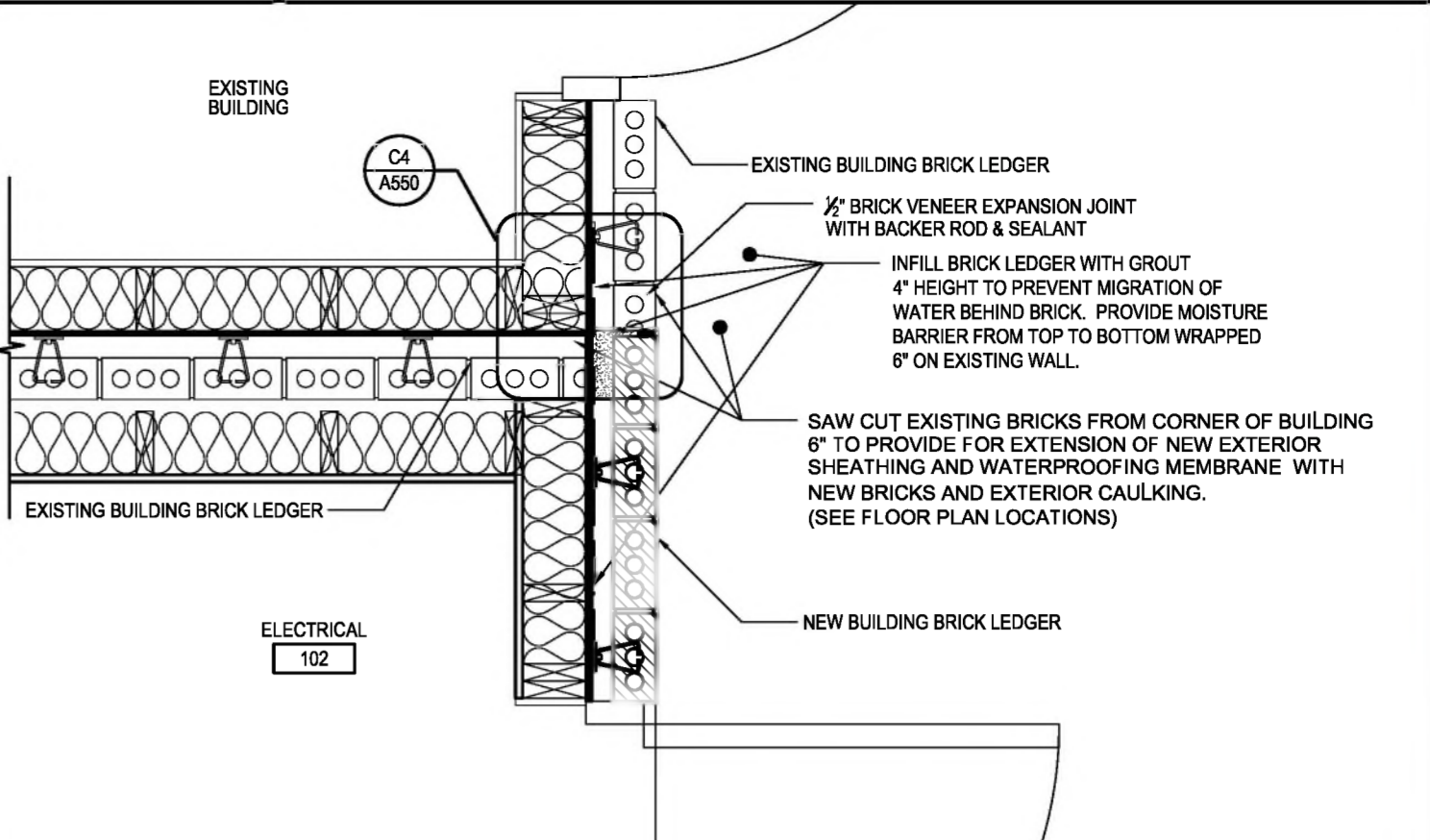
PARTITION TYPE "L"



FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
L3	3 1/2"	4 3/4"	NON-RATED	NA	33
L3*	3 1/2"	4 3/4"	NON-RATED	NA	36 W/ 3" SAB
L5	5 1/2"	6 3/4"	NON-RATED	NA	33
L5*	5 1/2"	6 3/4"	NON-RATED	NA	36 W/ 3" SAB
L8	7 1/4"	8 3/4"	NON-RATED	NA	33
L8*	7 1/4"	8 3/4"	NON-RATED	NA	36 W/ 3" SAB

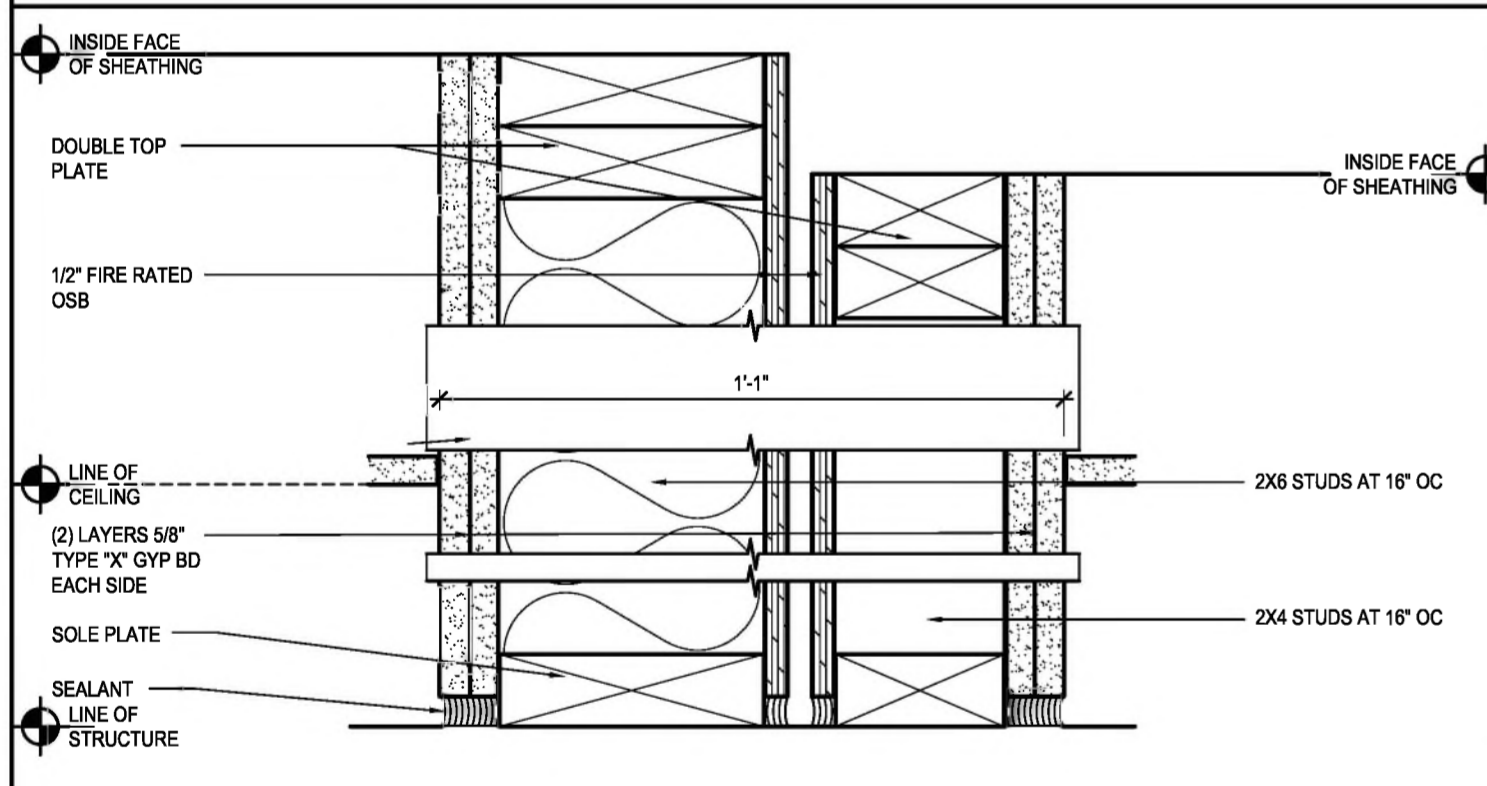


FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
D3	3 1/2"	4 3/4"	NON-RATED	NA	33
D3*	3 1/2"	4 3/4"	NON-RATED	NA	36 W/ 3" SAB
D5	5 1/2"	6 3/4"	NON-RATED	NA	33
D5*	5 1/2"	6 3/4"	NON-RATED	NA	36 W/ 3" SAB
D8	7 1/4"	8 3/4"	NON-RATED	NA	33
D8*	7 1/4"	8 3/4"	NON-RATED	NA	36 W/ 3" SAB



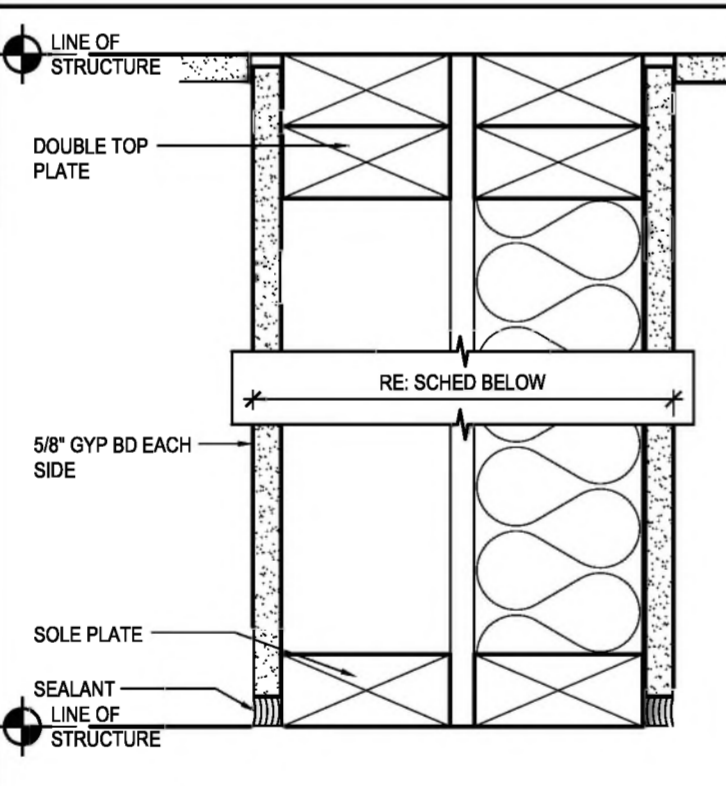
FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
C3	3 1/2"	4 3/4"	NON-RATED	NA	33
C3*	3 1/2"	4 3/4"	NON-RATED	NA	36 W/ 3" SAB
C5	5 1/2"	6 3/4"	NON-RATED	NA	33
C5*	5 1/2"	6 3/4"	NON-RATED	NA	36 W/ 3" SAB
C8	7 1/4"	8 3/4"	NON-RATED	NA	33
C8*	7 1/4"	8 3/4"	NON-RATED	NA	36 W/ 3" SAB

PARTITION TYPE "C"



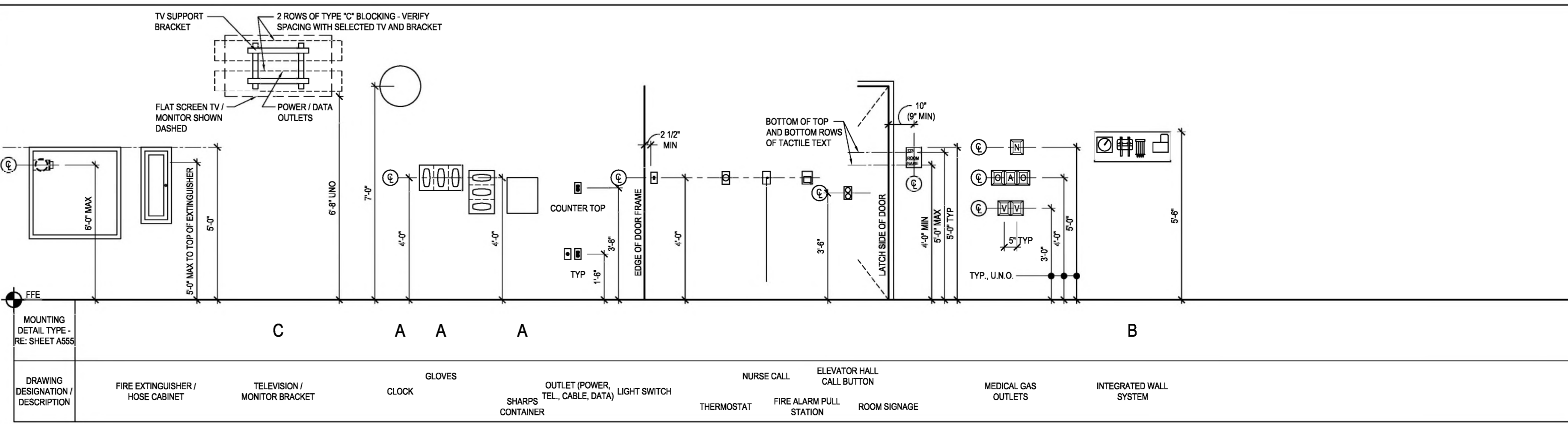
FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
C	3 1/2" AND 5 1/2"	RE: FLOOR PLAN	2 HOUR	U350	N/A

PARTITION TYPE "B"

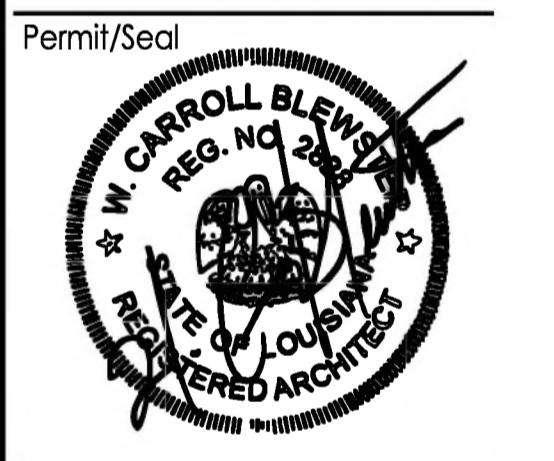


FLOOR PLAN SYMBOL DESIGNATION	STUD SIZE	PART WIDTH	FIRE RATING	U.L. LISTING	STC: NO SAB WITH SAB
B	5 1/2"	RE: FLOOR PLAN	NON-RATED	NA	N/A
B*	5 1/2"	RE: FLOOR PLAN	NON-RATED	NA	52 W/ 3 1/2" SAB

EQUIPMENT AND MISCELLANEOUS MOUNTING STANDARDS



Revision	By	App'd	Yyyy.Mm.Dd



Client/Project: **PET Scan Addition to BRCC**

Project No.: 222706047

File Name: A550_WOOD

Scale: AS INDICATED

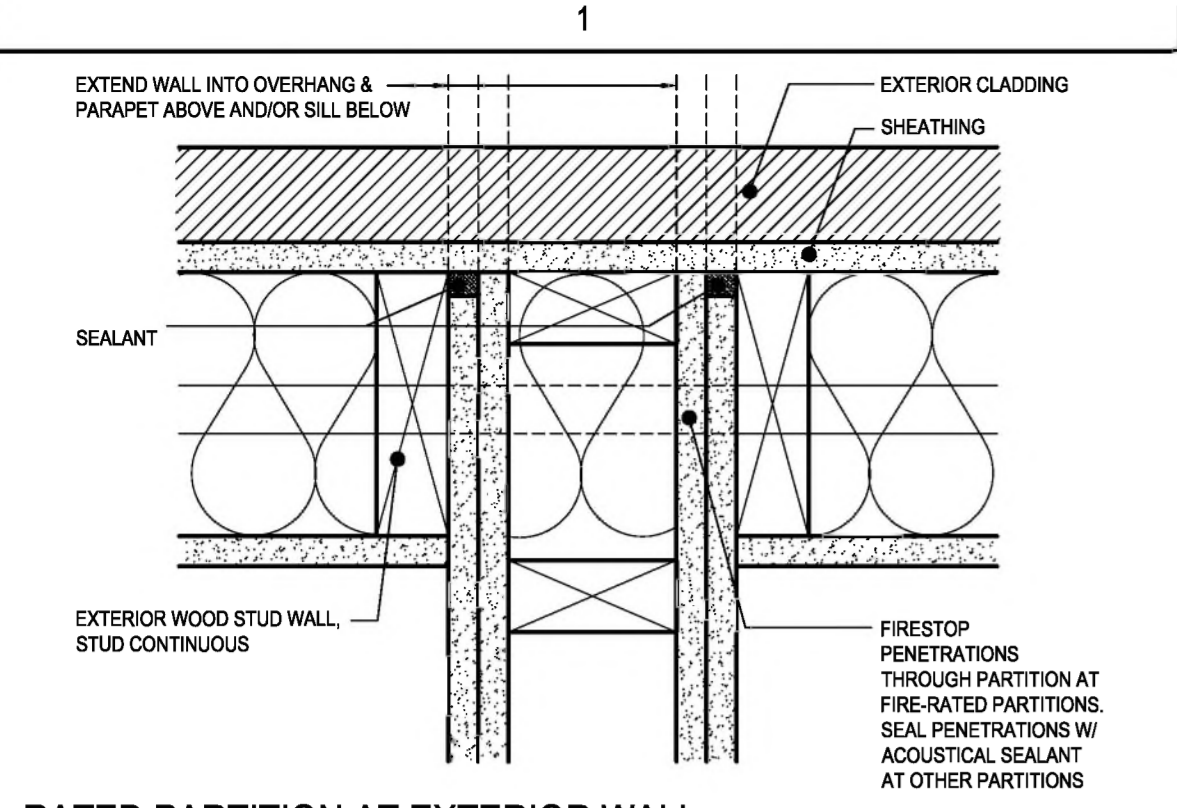
Dwn. Dgn. C'kd. Yyyy.Mm.Dd

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

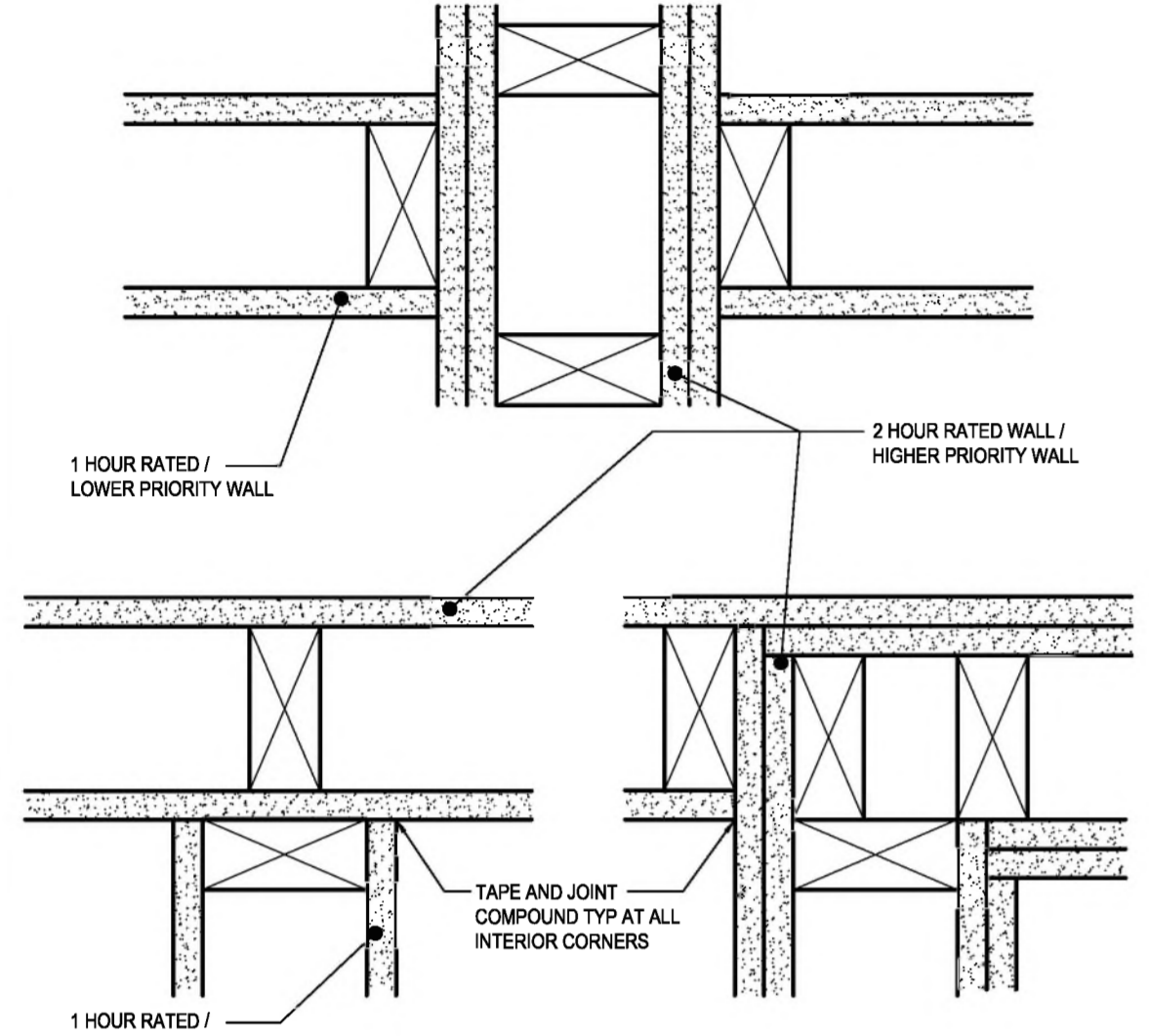
Revision: Sheet: of

Drawing No. **A550**

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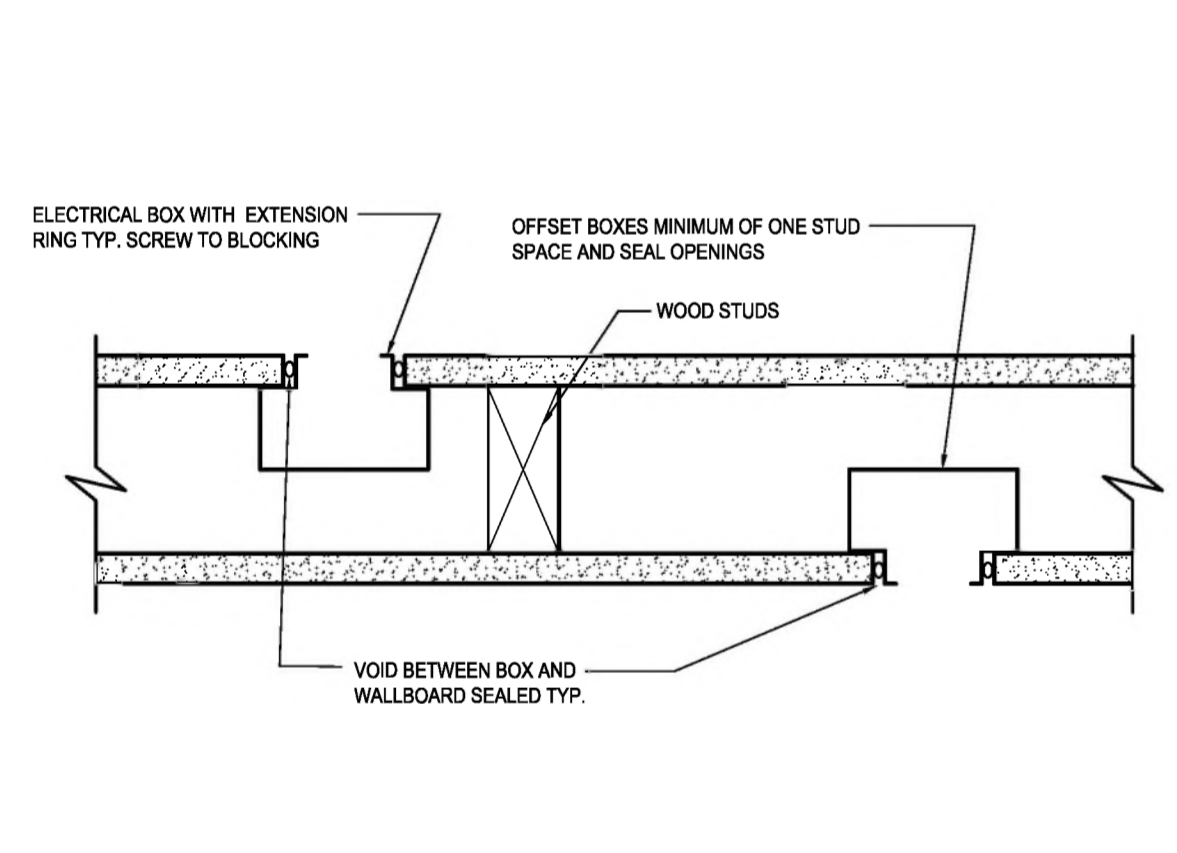


RATED PARTITION AT EXTERIOR WALL

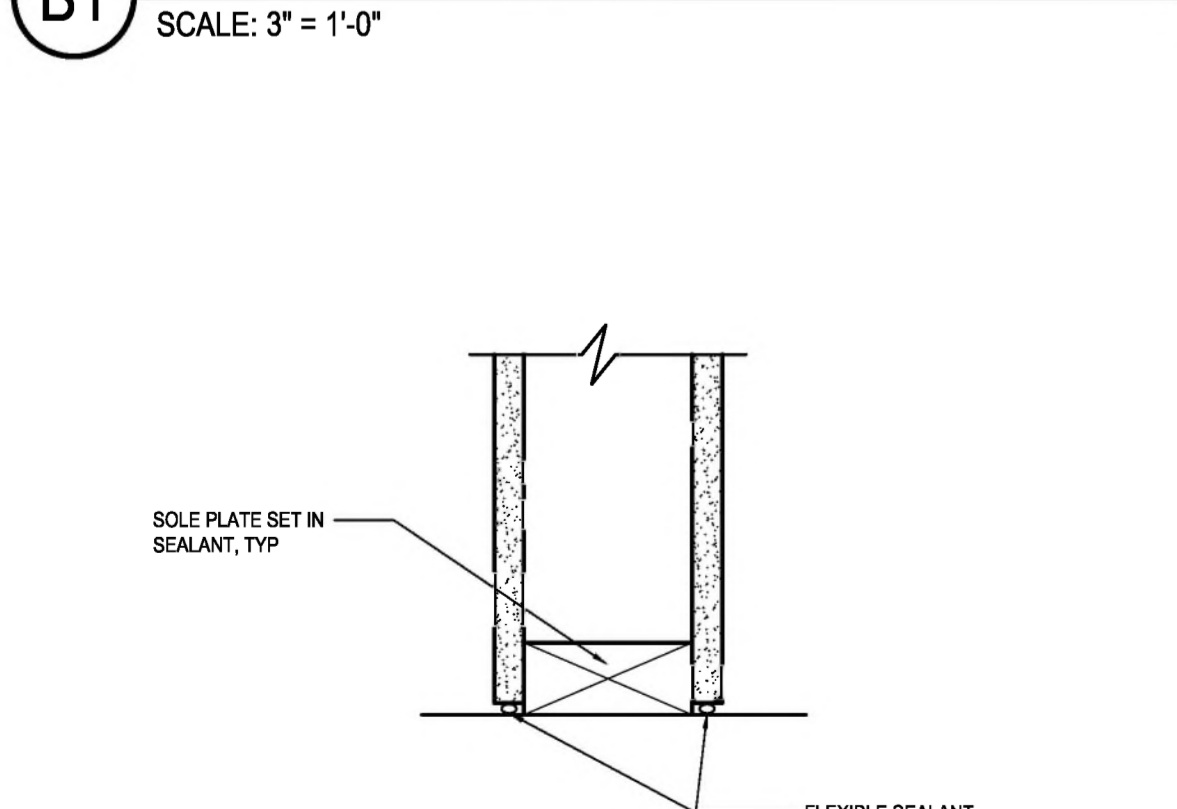


INTERSECTIONS OF FIRE RATED PARTITIONS

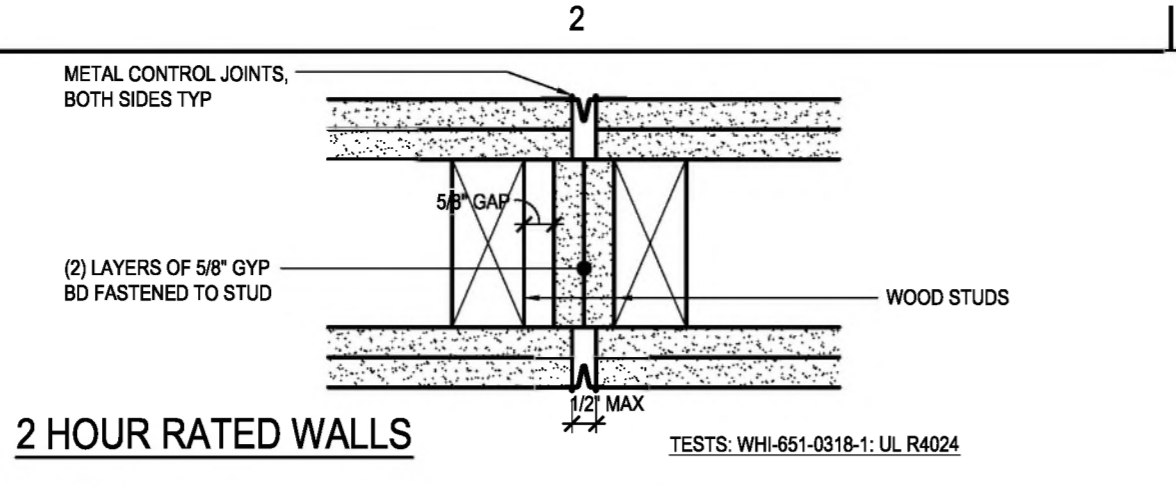
C1 TYPICAL GYP BD WALL PLAN DETAILS
SCALE: 3" = 1'-0"



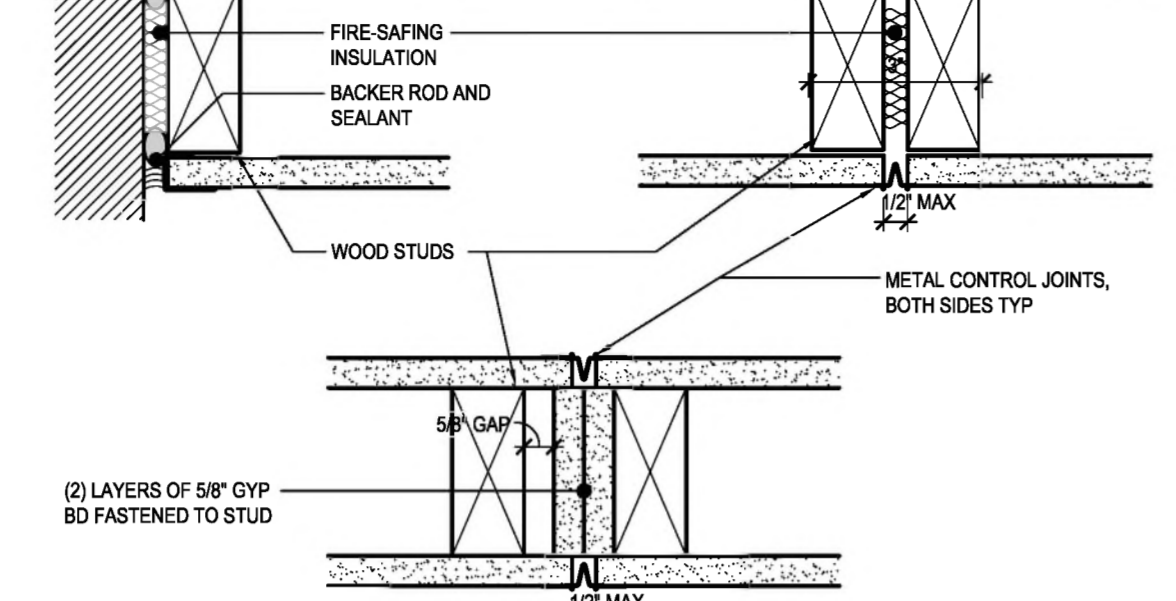
B1 OUTLET BOX DETAIL
SCALE: 3" = 1'-0"



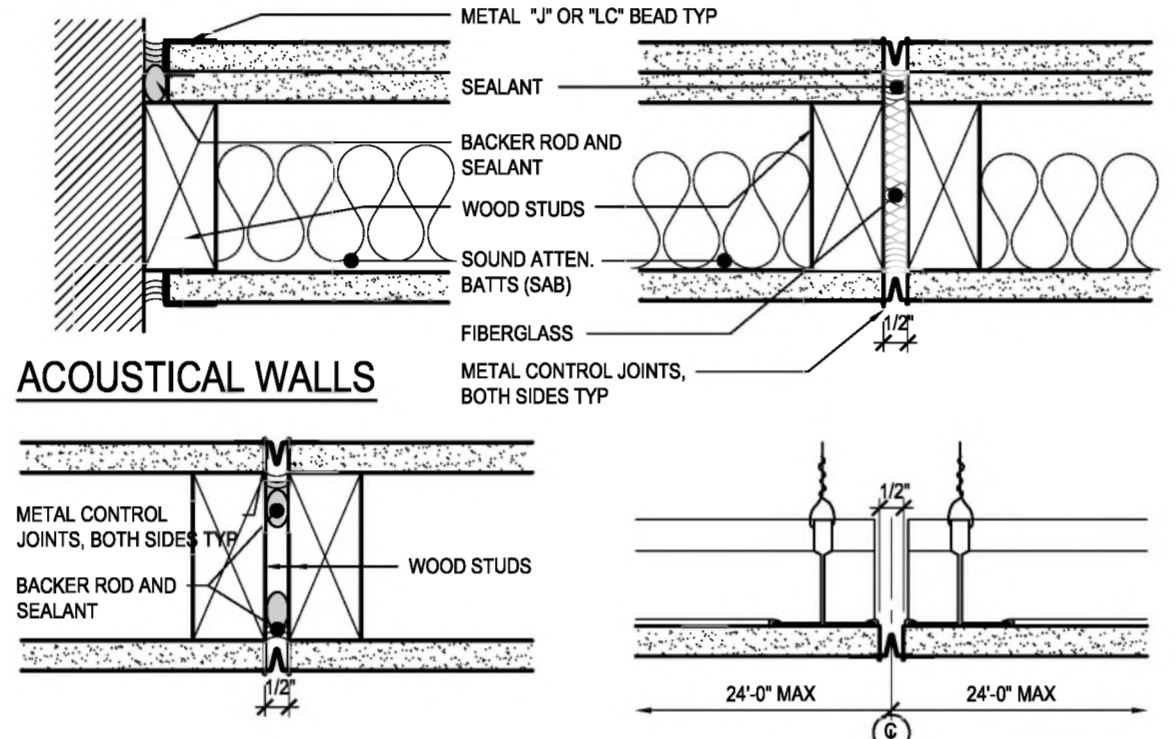
A1 SOLE PLATE DETAIL
SCALE: 3" = 1'-0"



2 HOUR RATED WALLS

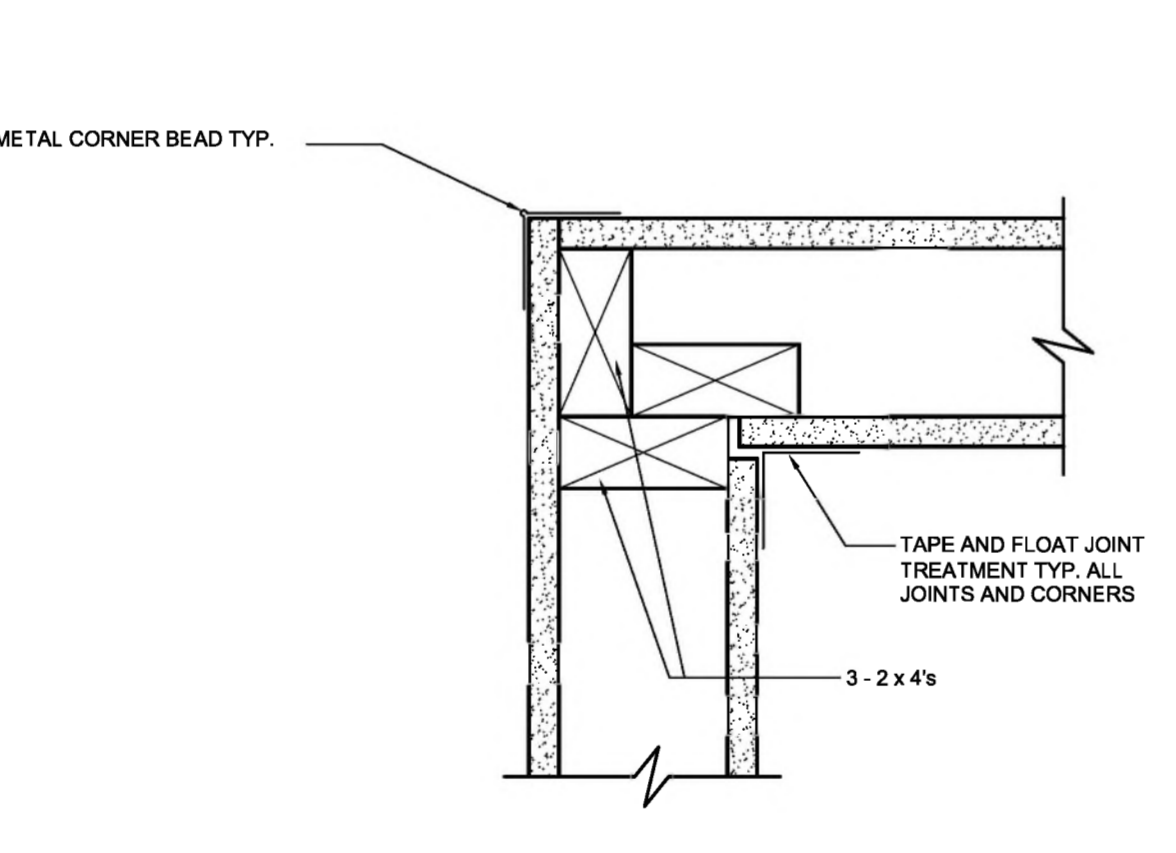


1 HOUR RATED WALLS

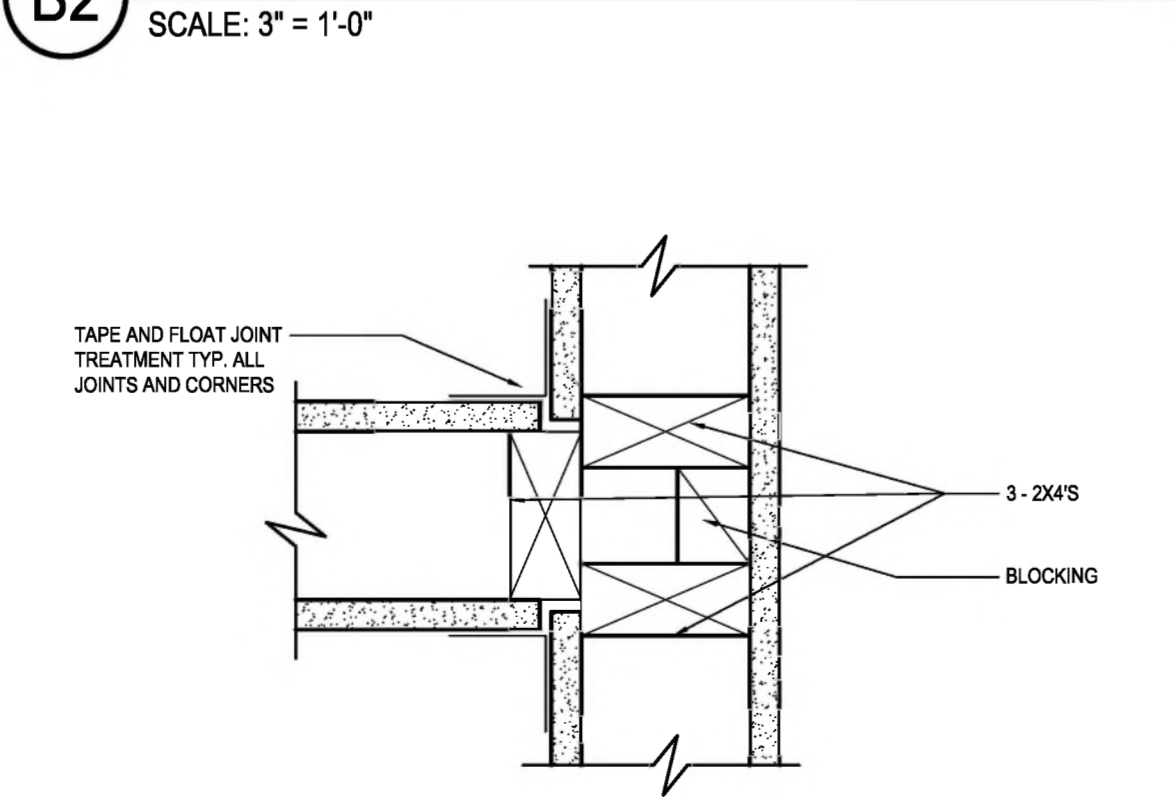


ACOUSTICAL WALLS

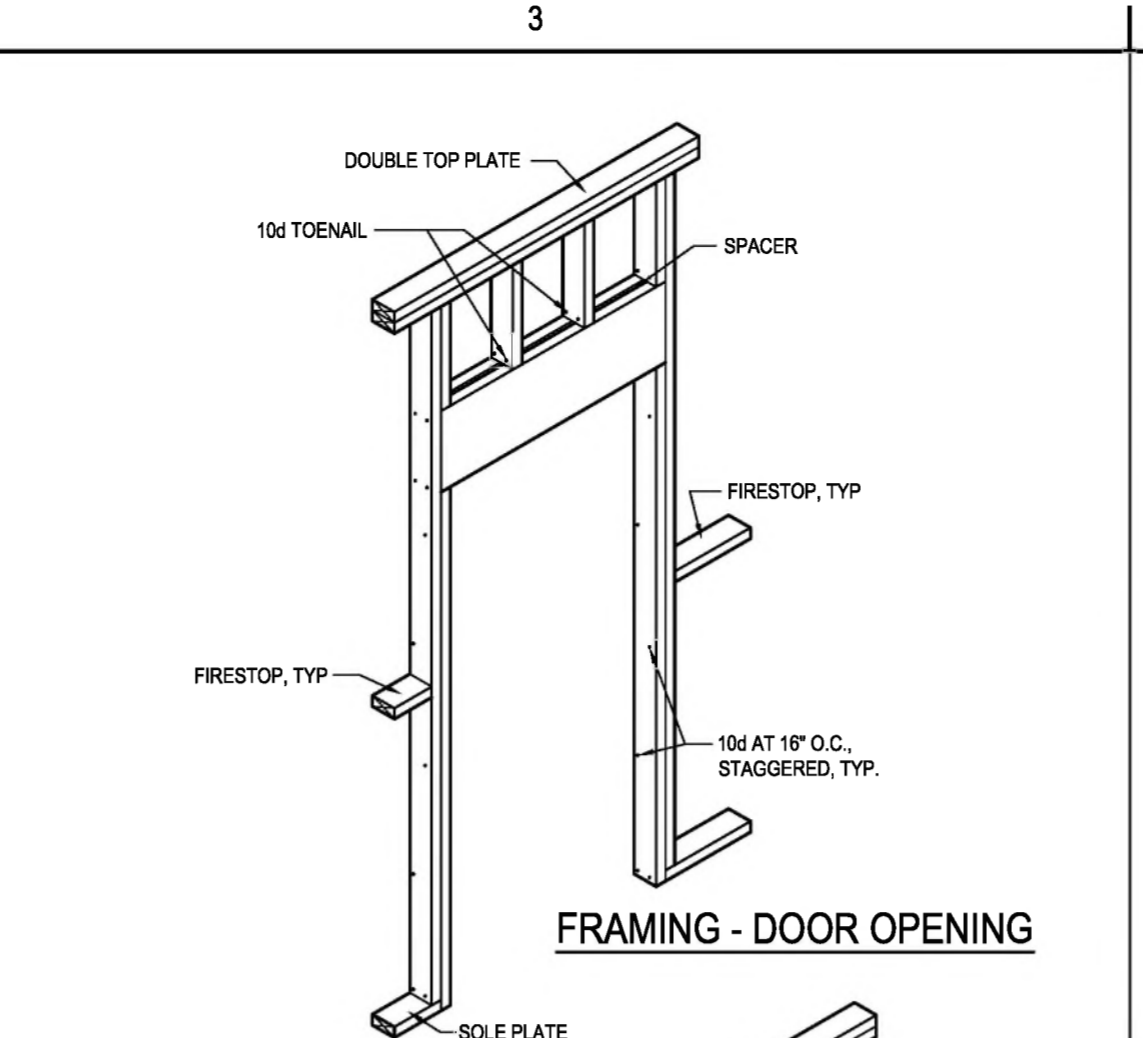
C2 CONTROL JOINTS
SCALE: 3" = 1'-0"



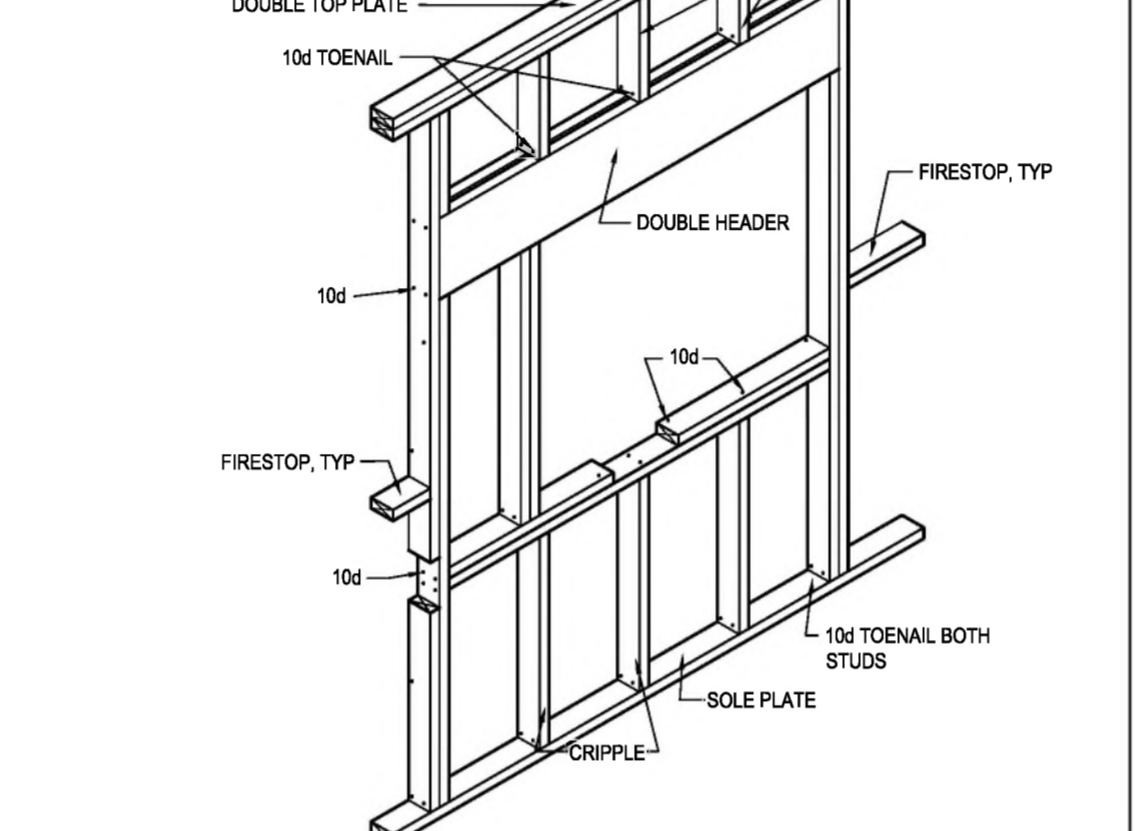
B2 OUTSIDE CORNER DETAIL
SCALE: 3" = 1'-0"



A2 INTERSECTING WALL DETAIL
SCALE: 3" = 1'-0"

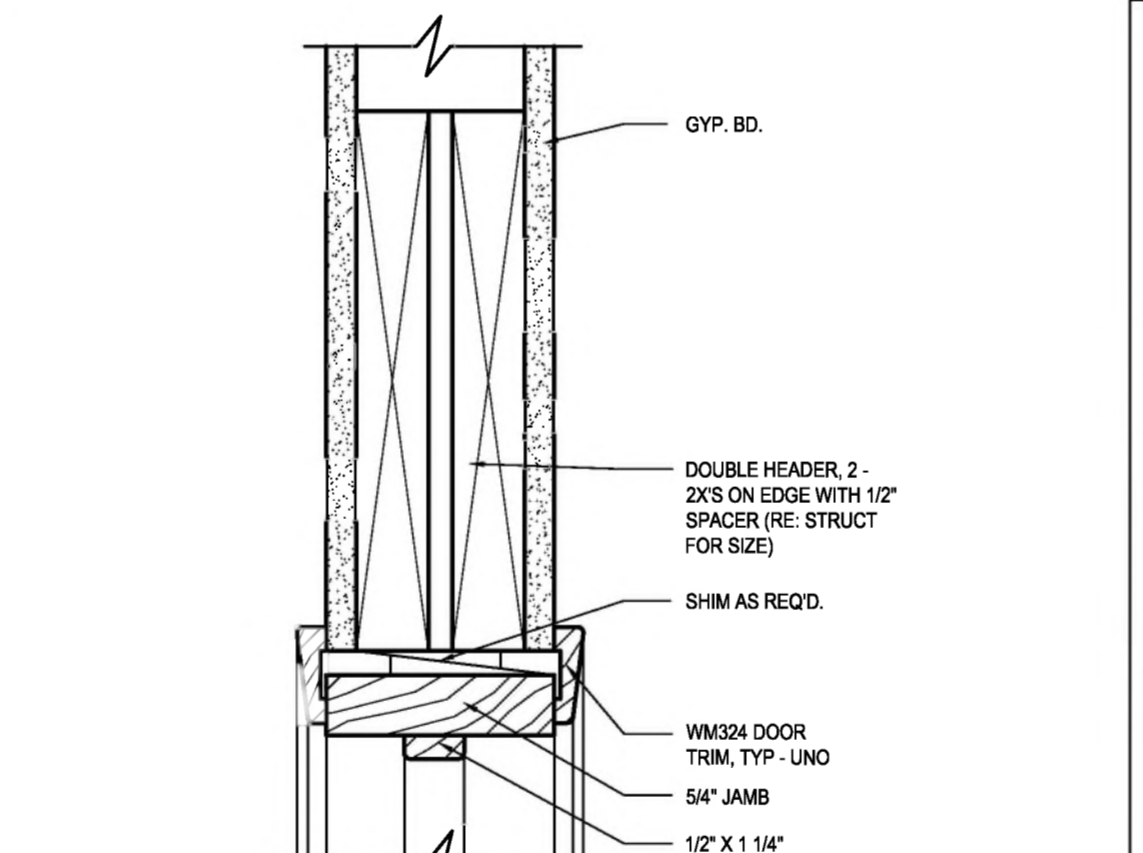


FRAMING - DOOR OPENING

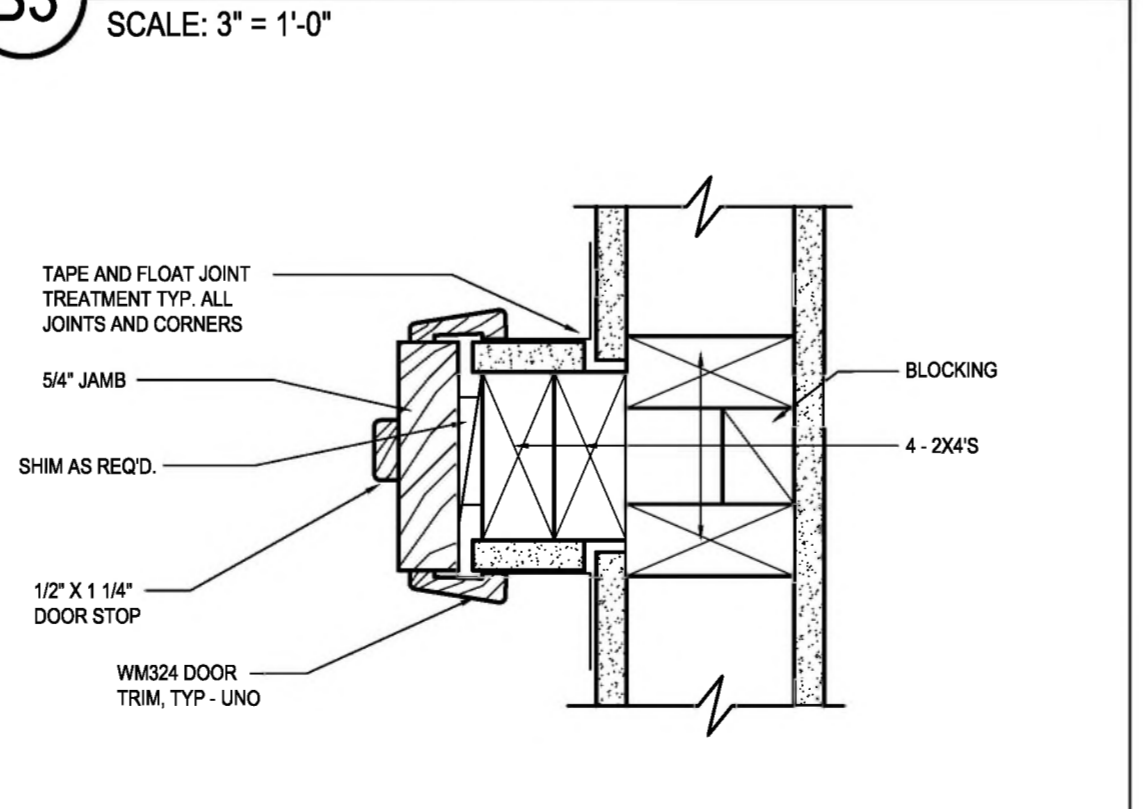


FRAMING - WALL OPENING

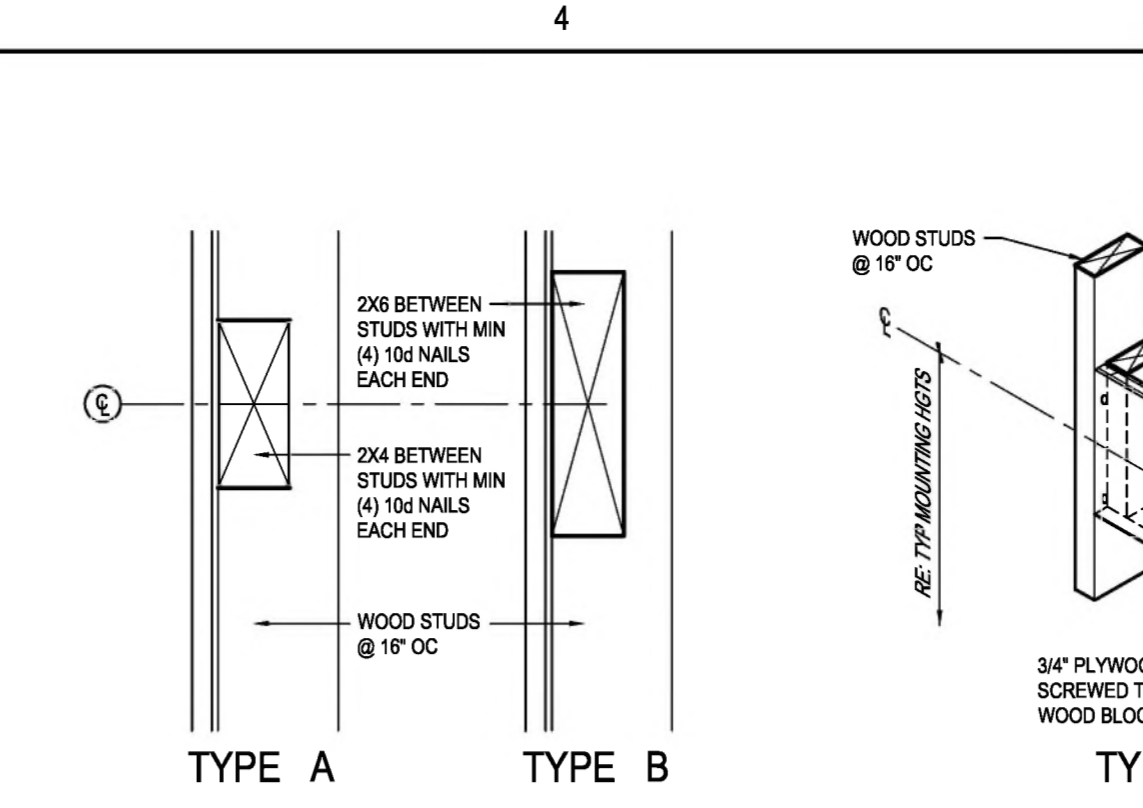
C3 FRAMING DETAILS FOR OPENINGS
SCALE: NOT TO SCALE



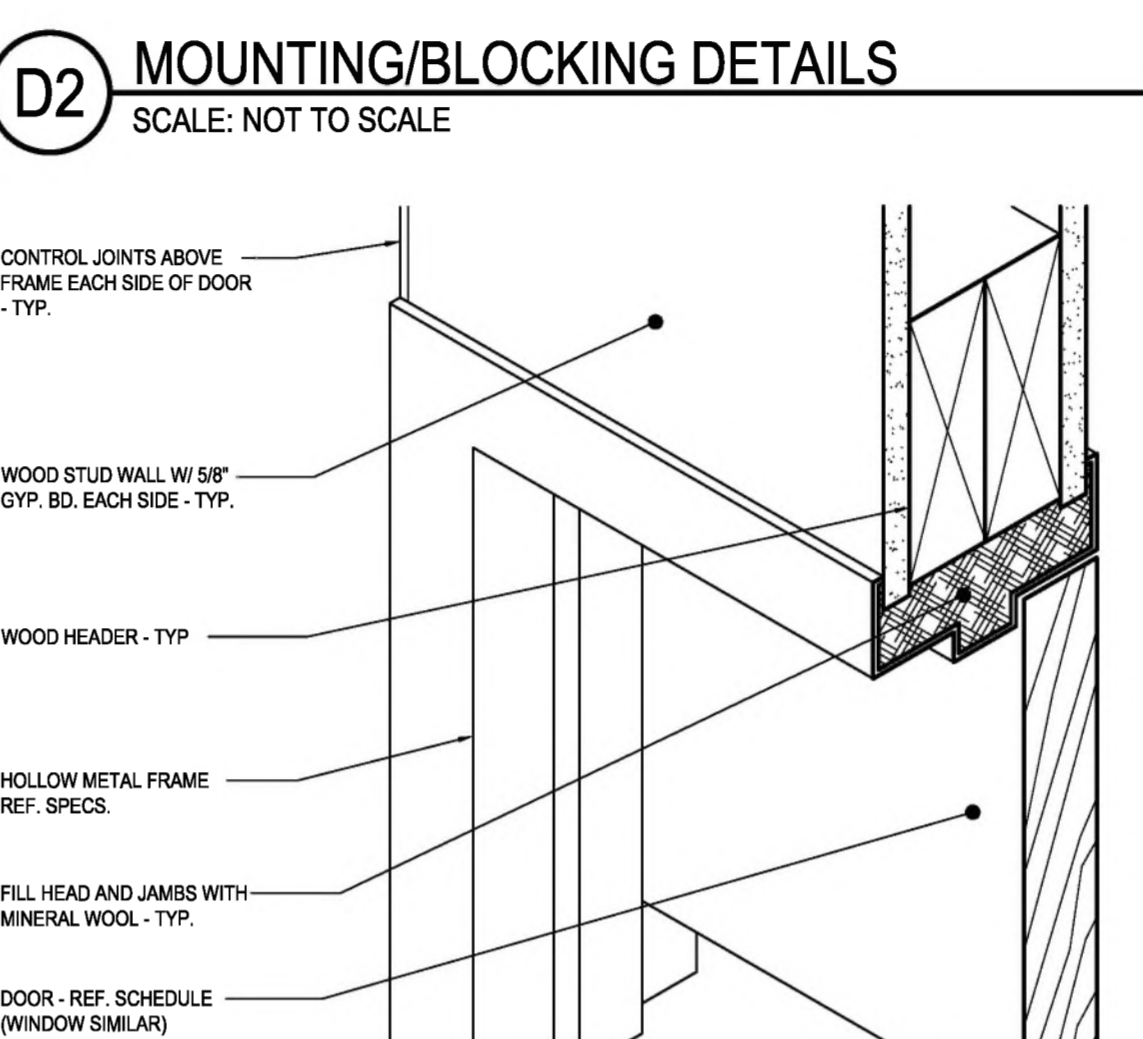
B3 DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



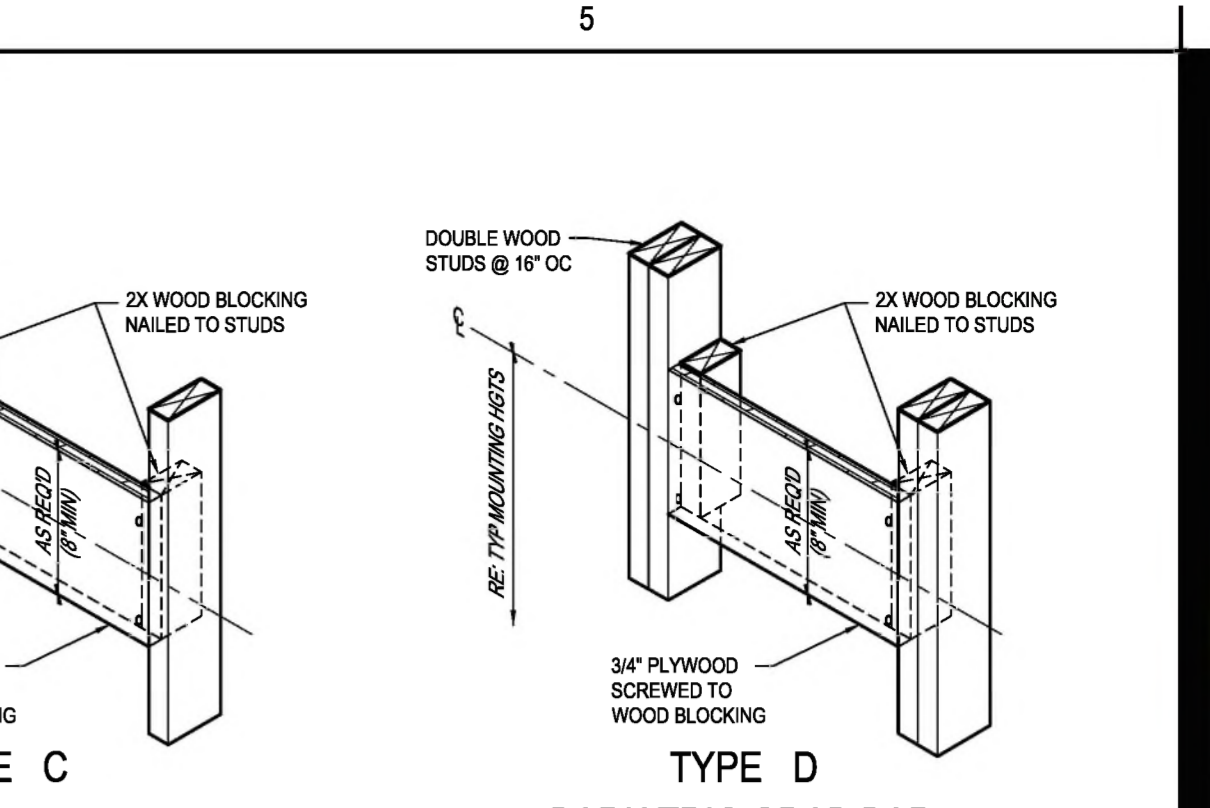
A3 WOOD DOOR FRAME JAMB DETAIL
SCALE: 3" = 1'-0"



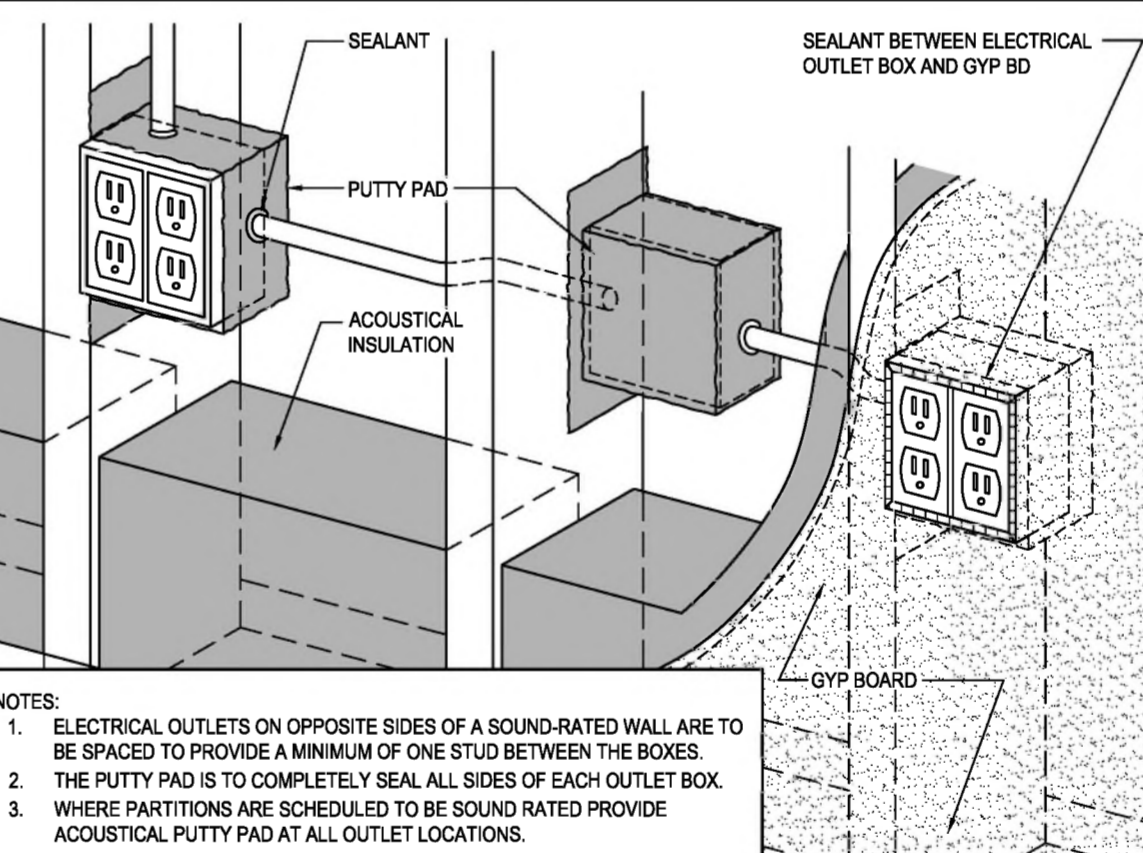
MOUNTING/BLOCKING DETAILS
SCALE: NOT TO SCALE



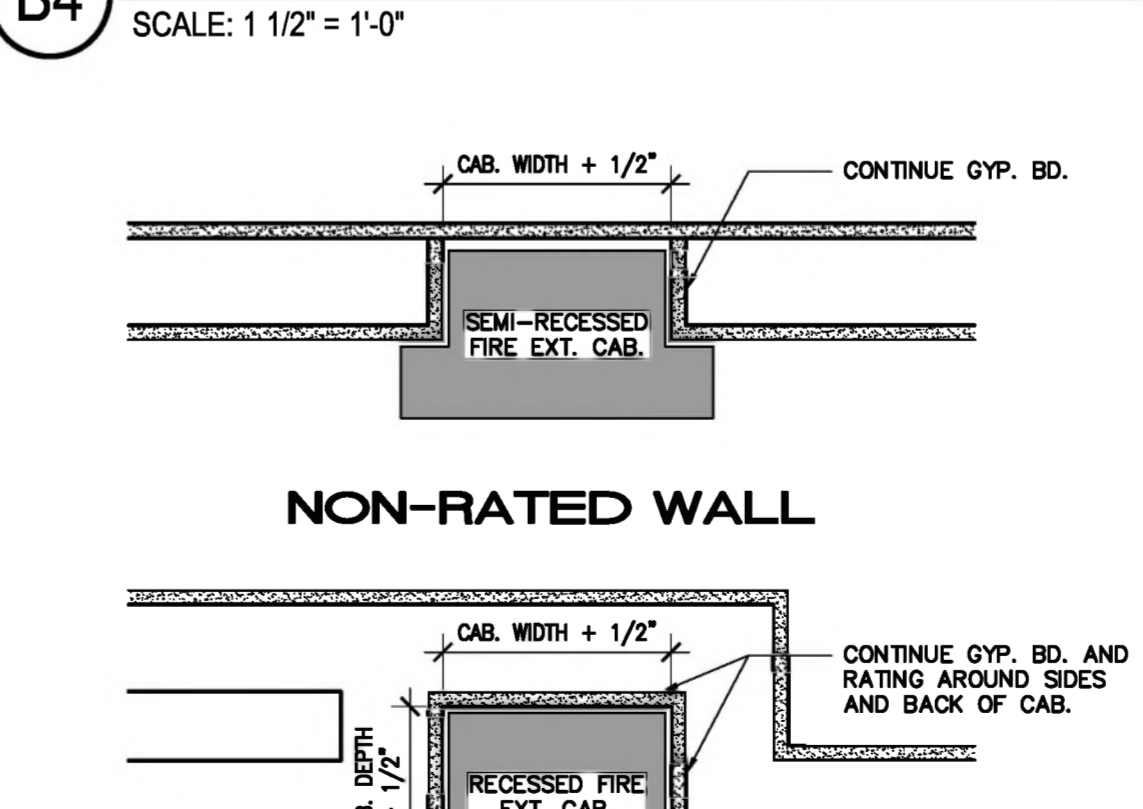
C4 TYP DOOR HEAD CONTROL JOINT
SCALE: 3" = 1'-0"



C5 1 HOUR RATED PARTITION
SCALE: NOT TO SCALE



B4 OUTLET BOX SOUND ATTENUATION
SCALE: 1 1/2" = 1'-0"



A4 FIRE EXTINGUISHER CABINETS
SCALE: 1 1/2" = 1'-0"

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1200 Brockway Lane, Suite 400
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Client/Project: **PET Scan Addition to BRCC**
Project No.: 222706047
File Name: A556_WOOD
Scale: AS INDICATED
Dwn. Dgn. Crd. YYY.MM.DD
Title: **GYP BD & WOOD FRAMING DETAILS**
Revision: Sheet: of
Drawing No. **A556**

Permit/Seal:

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

DOOR SCHEDULE

DOOR#	DOOR						FRAME				H/JS DETAILS - A611/C1 UNO	AUTOMATIC POWER OPERATOR (AO)	HOLD OPEN (HO)	CARD READER (CR) / PROXIMITY SENSOR (PS) / PUSH PLATE (PP)	KEYPAD	FIRE RATING (IN MINUTES)	HARDWARE SET #	COMMENTS	
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	VISION PANEL / LOUVER TYPE	FINISH	TYPE											MATERIAL
								HEAD	JAMB	SILL									
101	A1	3'-0"	7'-0"	1 3/4"	WOOD		F	1	1		HM	A611/C1						MATCH EXISTING WOOD DOORS AND FRAMES.	
102	A1	3'-0"	7'-0"		HOLLOW MTL		PTD				HM	A611/A5						MATCH EXISTING EXTERIOR HOLLOW METAL DOORS AND FRAMES.	
103	A1	3'-0"	7'-0"	1 3/4"	WOOD		F	1	1		HM	A611/C1						MATCH EXISTING WOOD DOORS AND FRAMES.	
104	A1	4'-0"	7'-0"	1 3/4"	WOOD		F	1	1		HM	A611/C1						LEAD SHIELDING REQUIRED. MATCH EXISTING WOOD DOORS AND FRAMES.	
104A	A1	4'-0"	7'-0"		HOLLOW MTL		PTD				HM	A611/A5						MATCH EXISTING EXTERIOR HOLLOW METAL DOORS AND FRAMES.	
105																		OMIT NUMBER NOT USED	
106	A1	3'-0"	7'-0"	1 3/4"	WOOD		F	1	1		HM	A611/C1						MATCH EXISTING WOOD DOORS AND FRAMES.	
107	A1	4'-0"	7'-0"	1 3/4"	WOOD		F	1	1		HM	A611/C1						LEAD SHIELDING REQUIRED. MATCH EXISTING WOOD DOORS AND FRAMES.	
107A	A1	4'-0"	7'-0"		HOLLOW MTL		PTD				HM	A611/A5						MATCH EXISTING EXTERIOR HOLLOW METAL DOORS AND FRAMES.	
108	A1	3'-0"	7'-0"		HOLLOW MTL		PTD				HM	A611/A5						MATCH EXISTING EXTERIOR HOLLOW METAL DOORS AND FRAMES.	

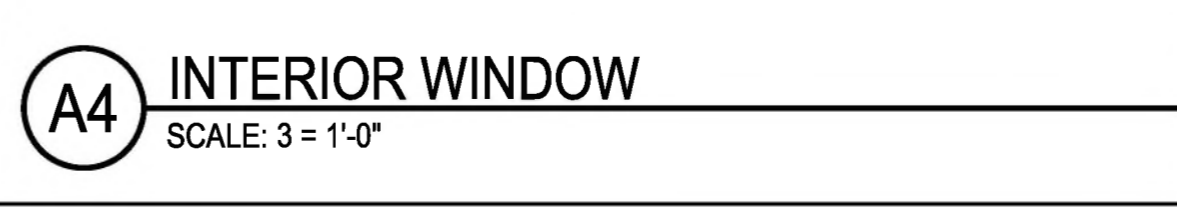
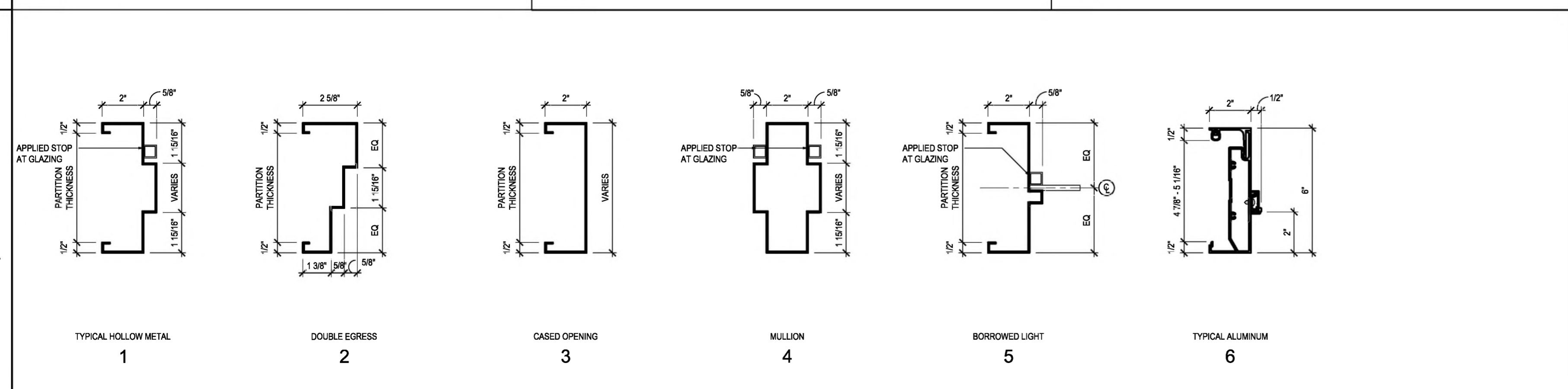
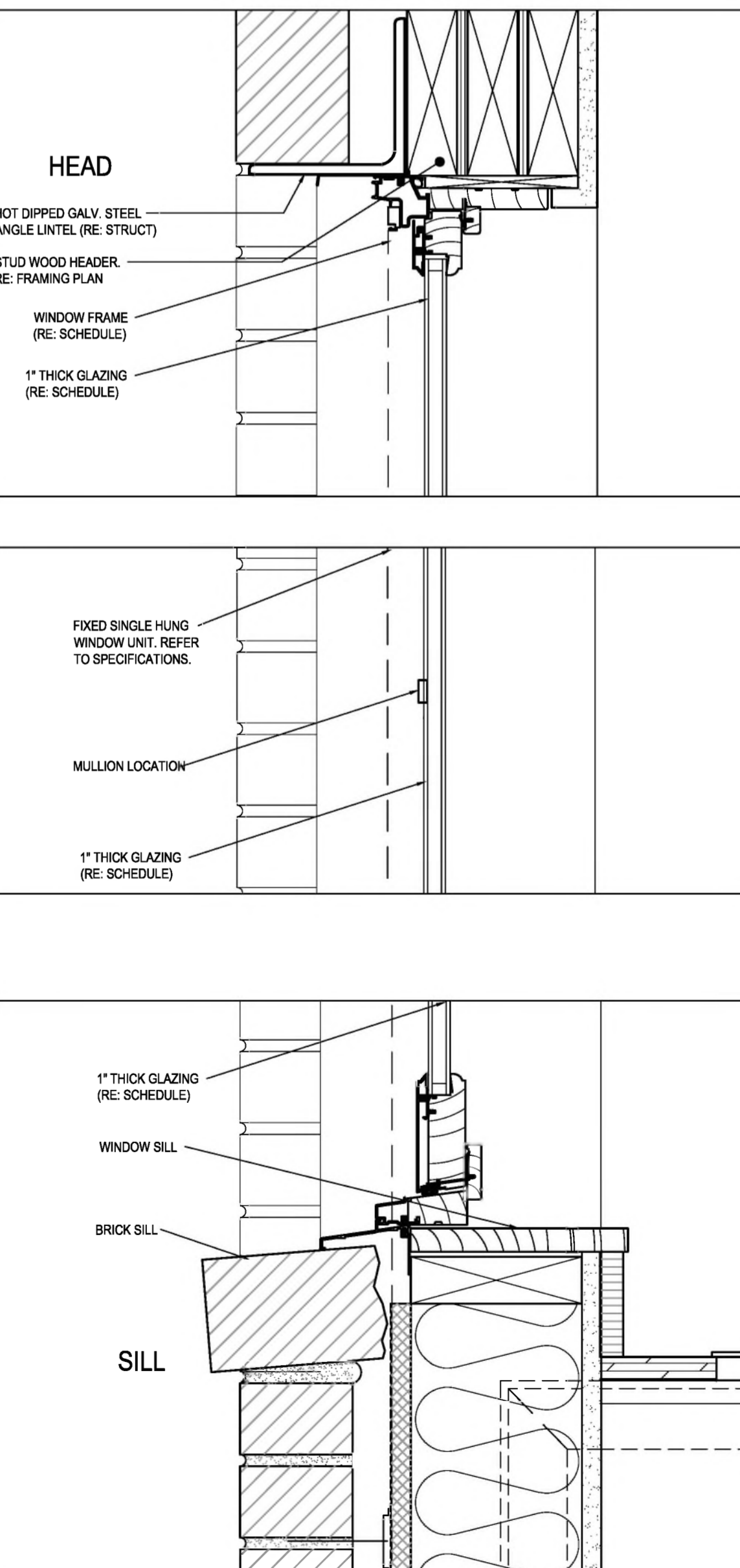
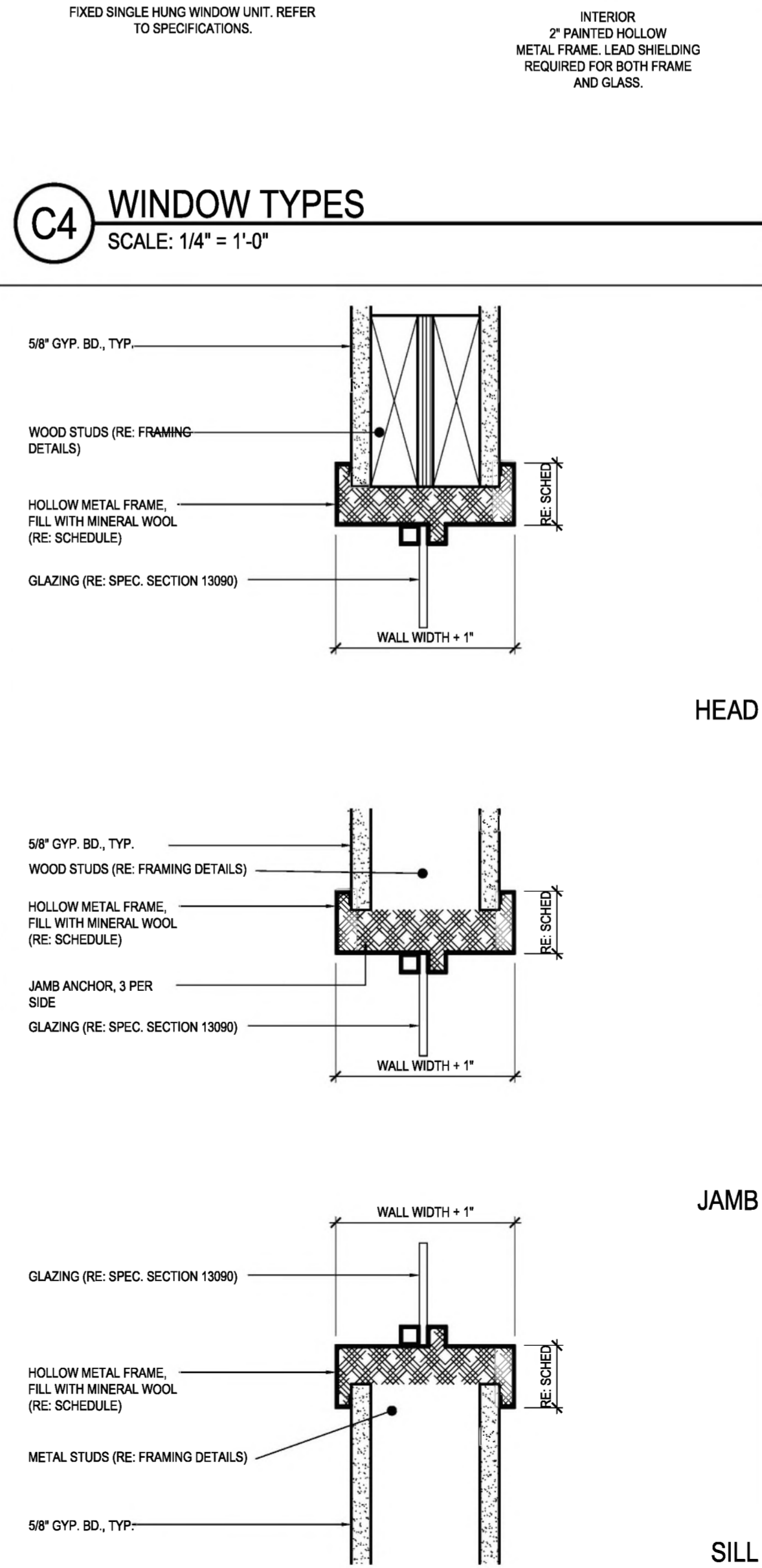
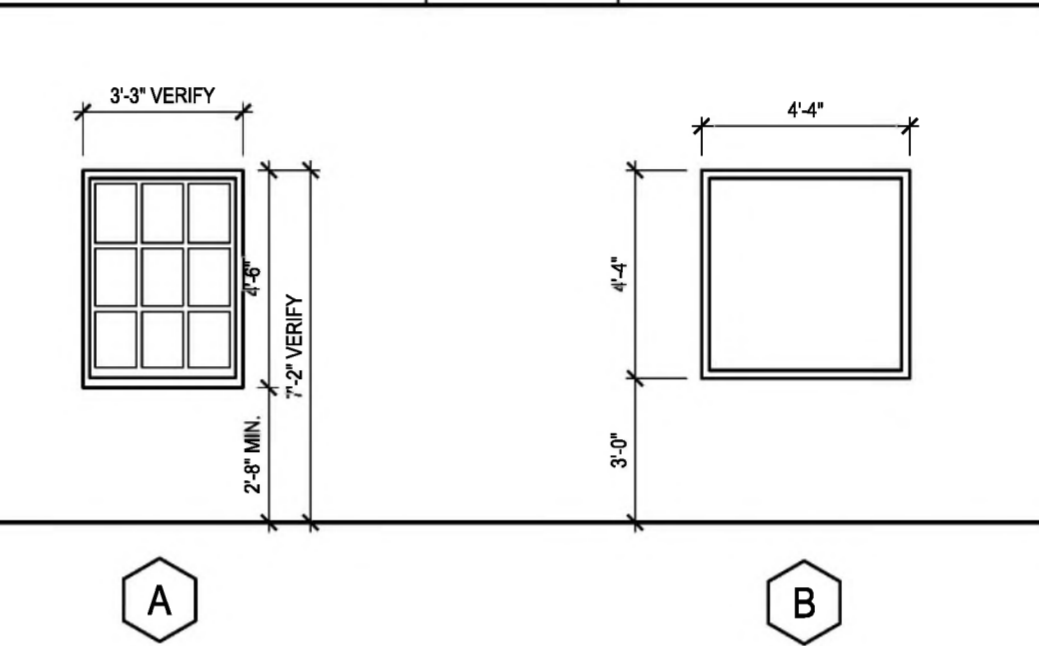
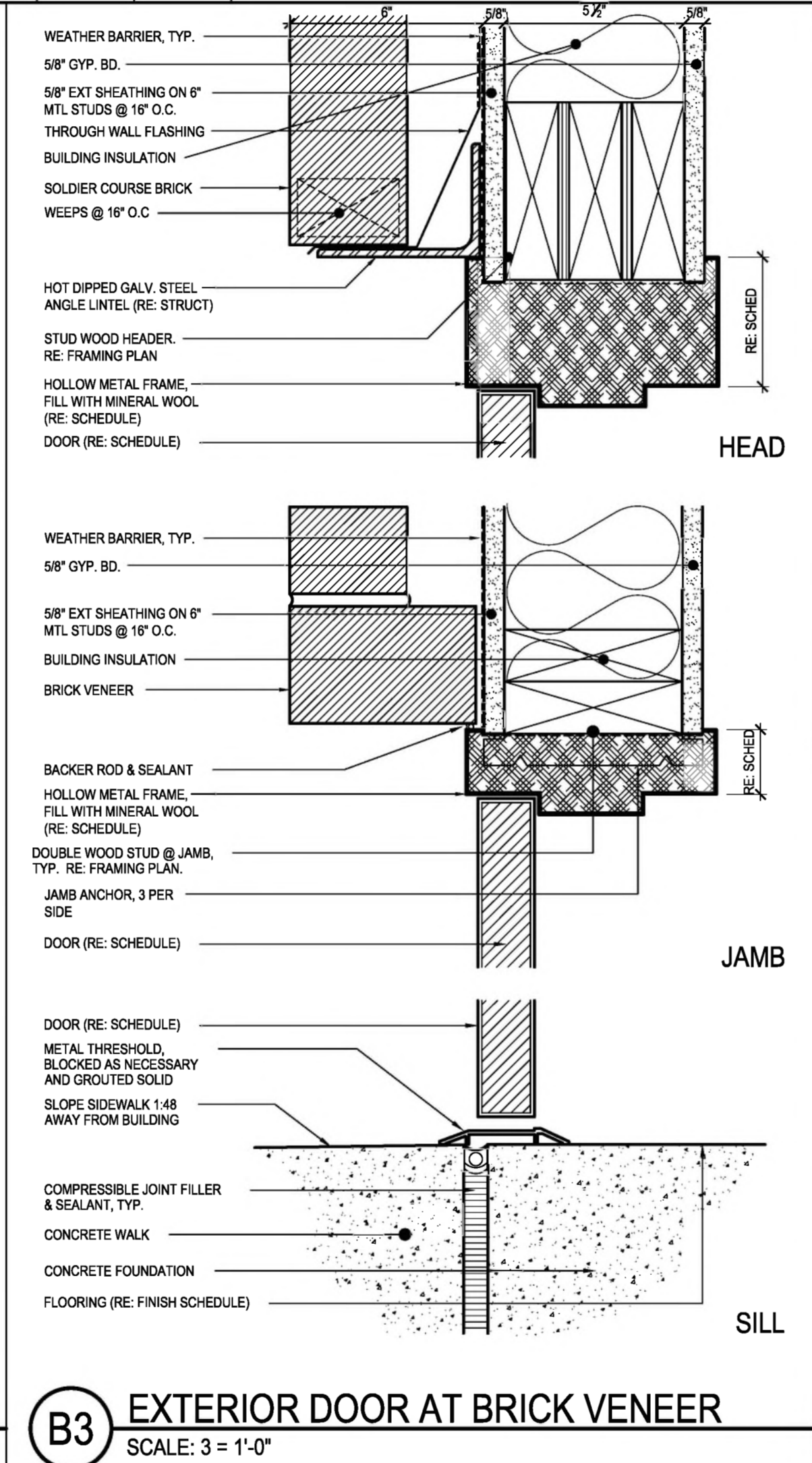
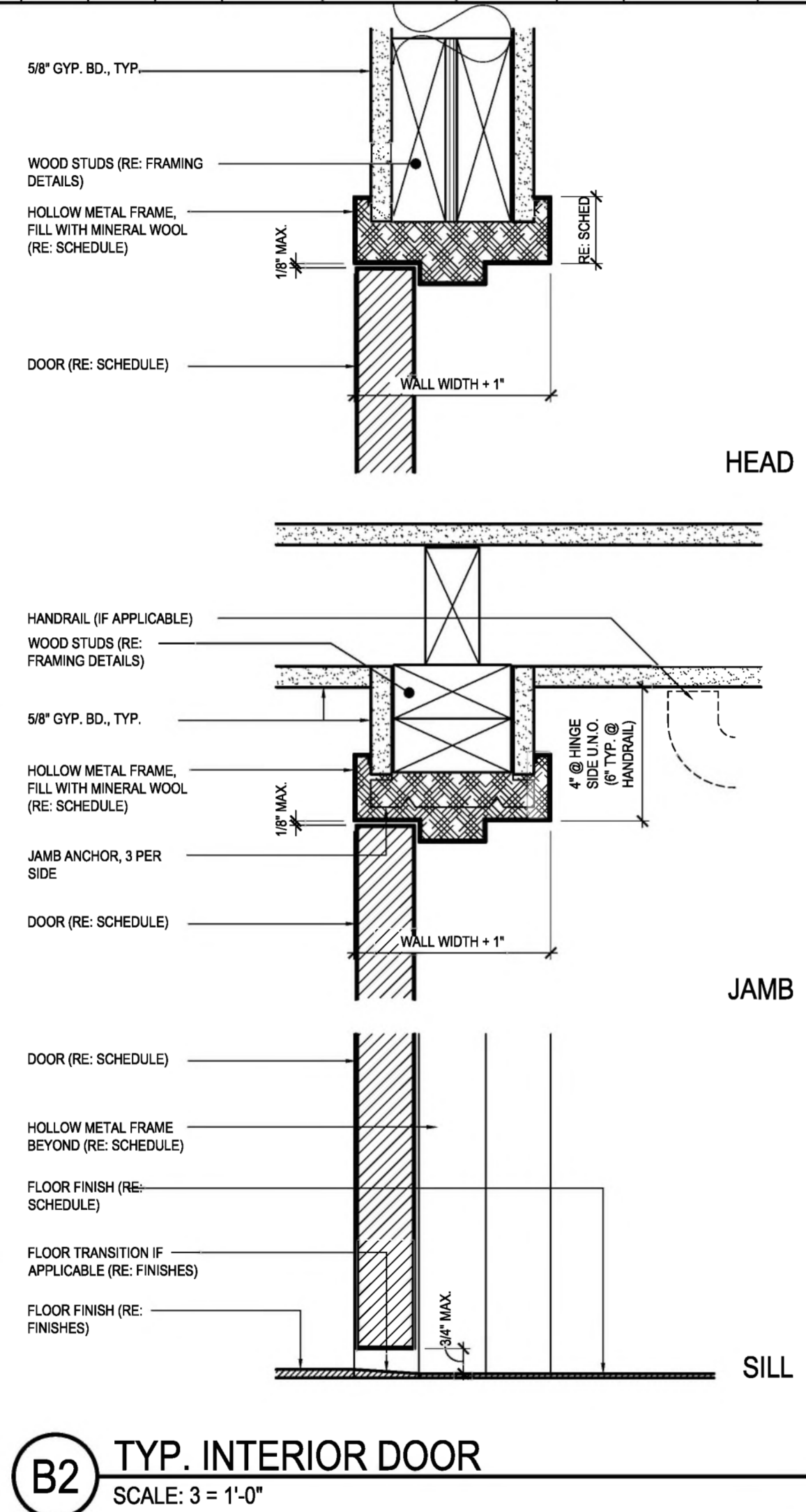
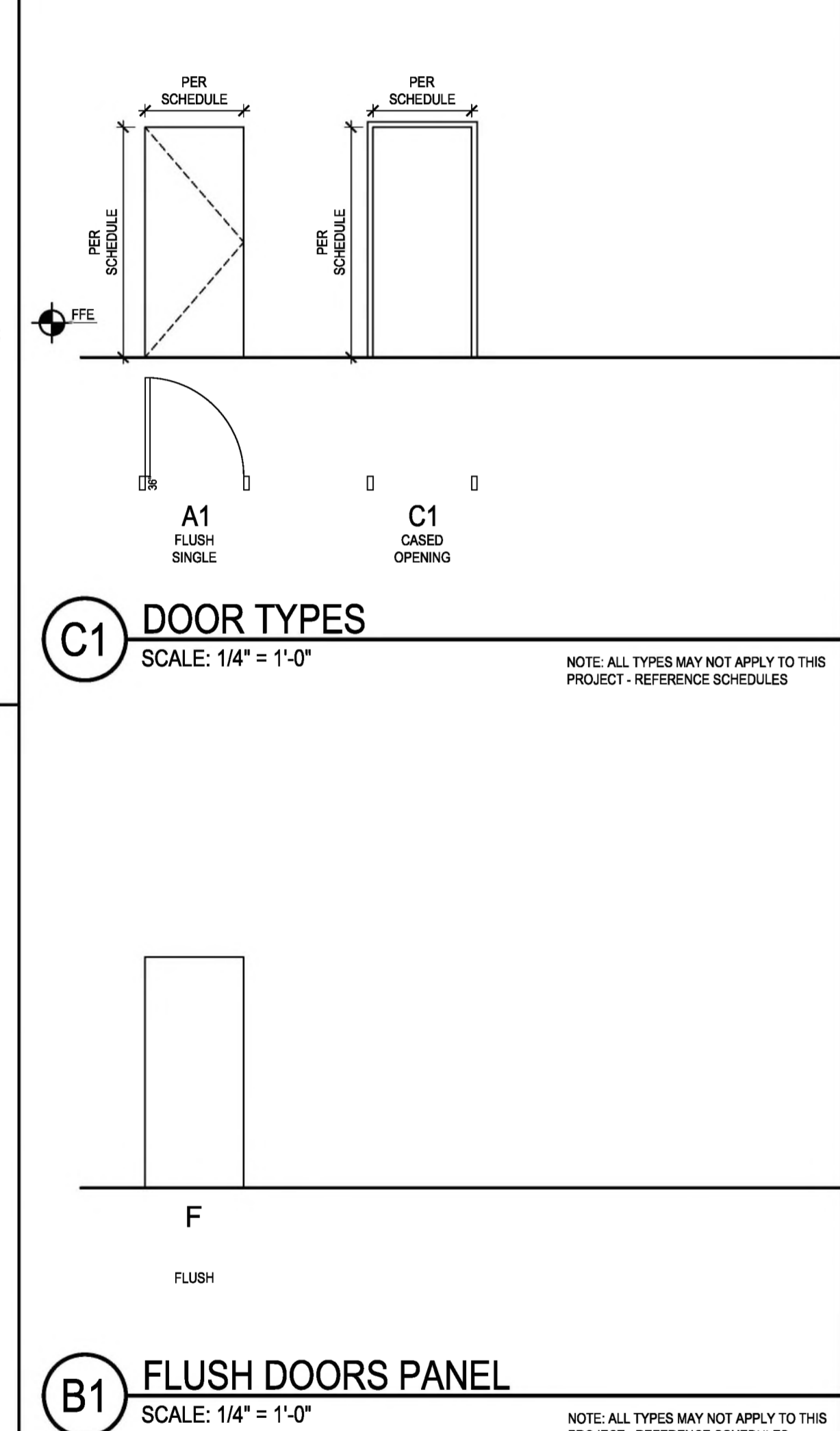
WINDOW SCHEDULE

WIN #	WINDOW			H/JS DETAILS - A611/C1 UNO	COMMENTS
	FRAME MATERIAL	GLAZING	FINISH		
A	REFER TO SPECIFICATIONS		MATCH EXISTING EXTERIOR WINDOWS		RE: A5-A601
B	HOLLOW METAL		PAINTED		LEADED FRAME AND GLASS.
C					

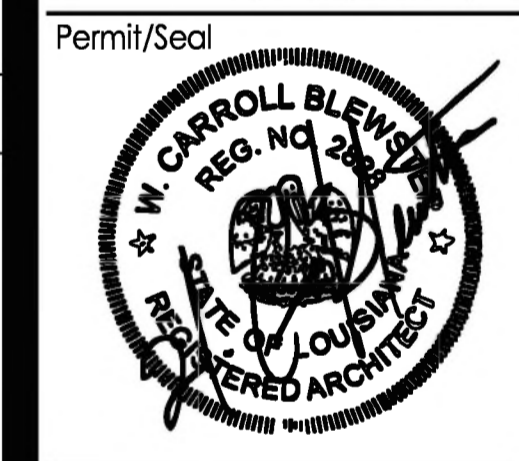
GLAZING SCHEDULE

GL-#	DESCRIPTION	THICKNESS	SPECIFICATIONS

DOOR LEGEND



Revision	By	Appd	Yyyy.Mm.Dd



Permit/Seal

Client/Project: PET Scan Addition to BRCC

Project No.: 222706047

File Name: A601

Scale: AS INDICATED

Dwn. Dgn. C'kd. YYY.YYY.YYY

Title: DOOR SCHEDULE

Revision: Sheet: of Drawing No.

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

A601

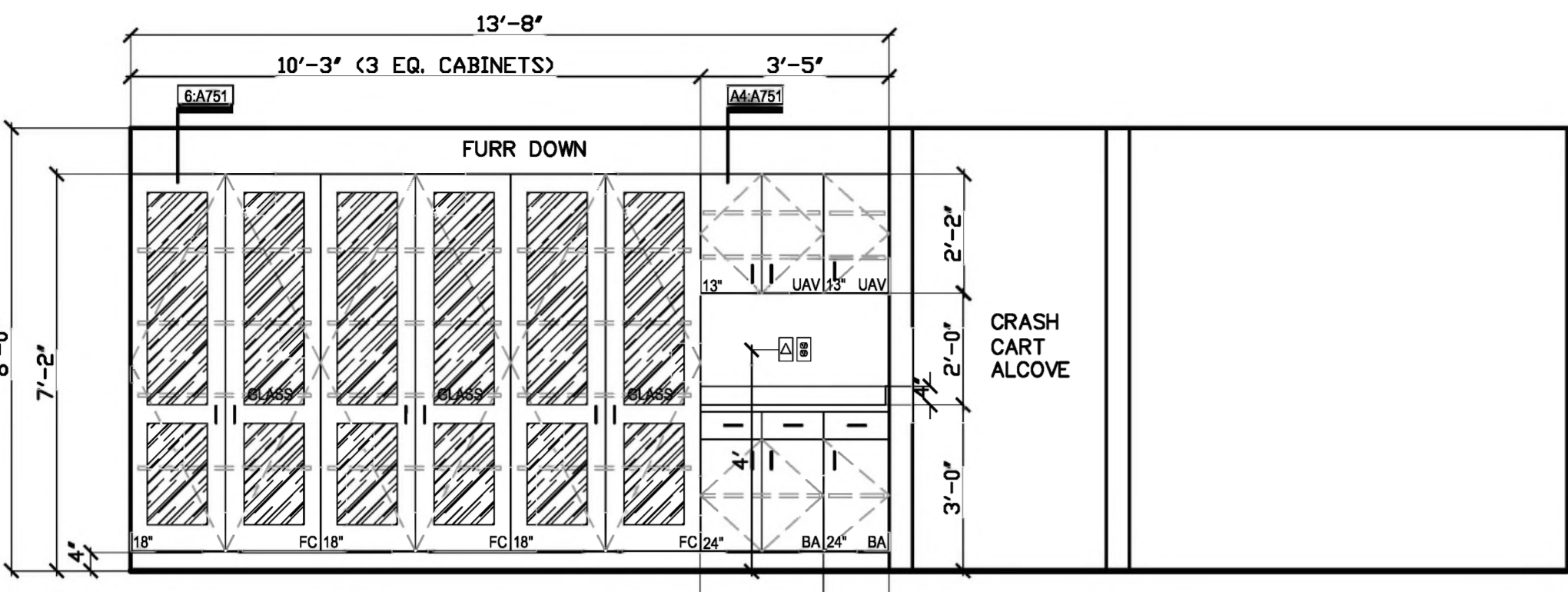
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INT. ELEV. GENERAL NOTES

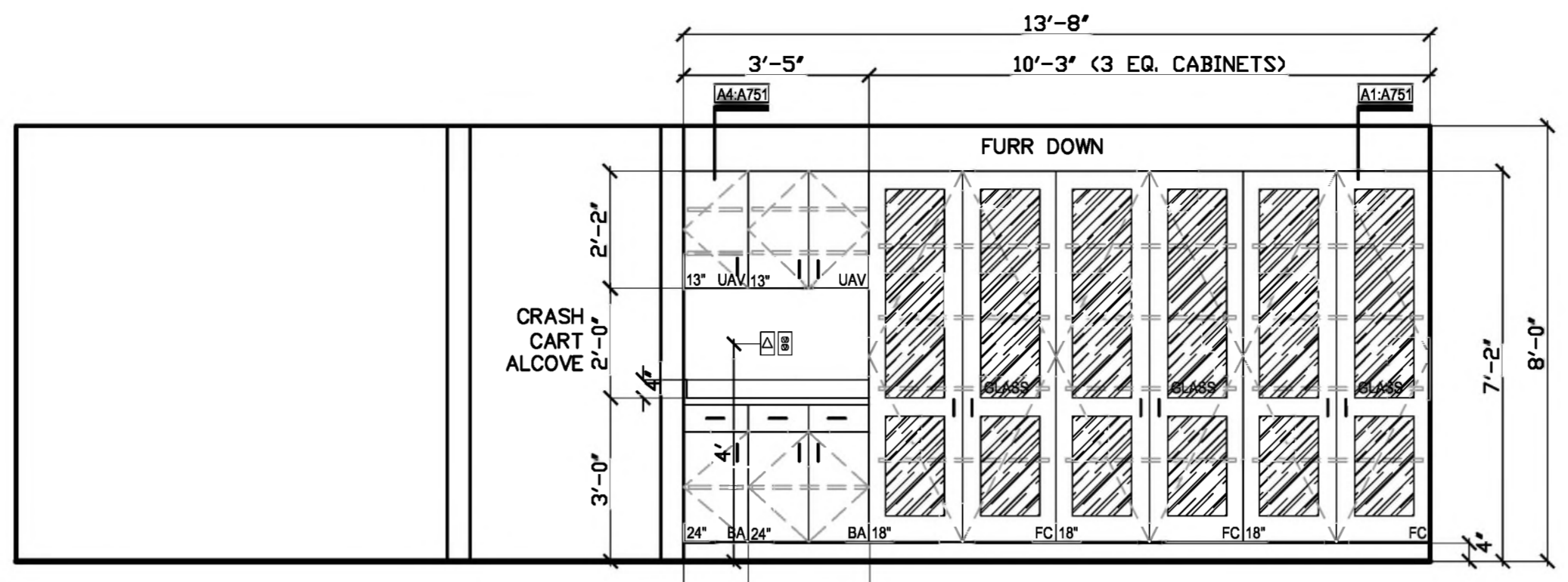
1. ACCESSORY DESIGNATIONS CAN BE FOUND ON SHEET A400.
2. STANDARD MOUNTING HEIGHTS AND PLAN LOCATIONS FOR ACCESSORIES, FIXTURES, AND EQUIPMENT CAN BE FOUND ON SHEET A400.
3. CABINET AND INSTALLATION INFORMATION CAN BE FOUND ON SHEET A750.
4. CABINET SECTIONS CAN BE FOUND ON SHEETS A751.
5. FINISHES INFORMATION CAN BE FOUND ON SHEET A640.

OUTLET KEY

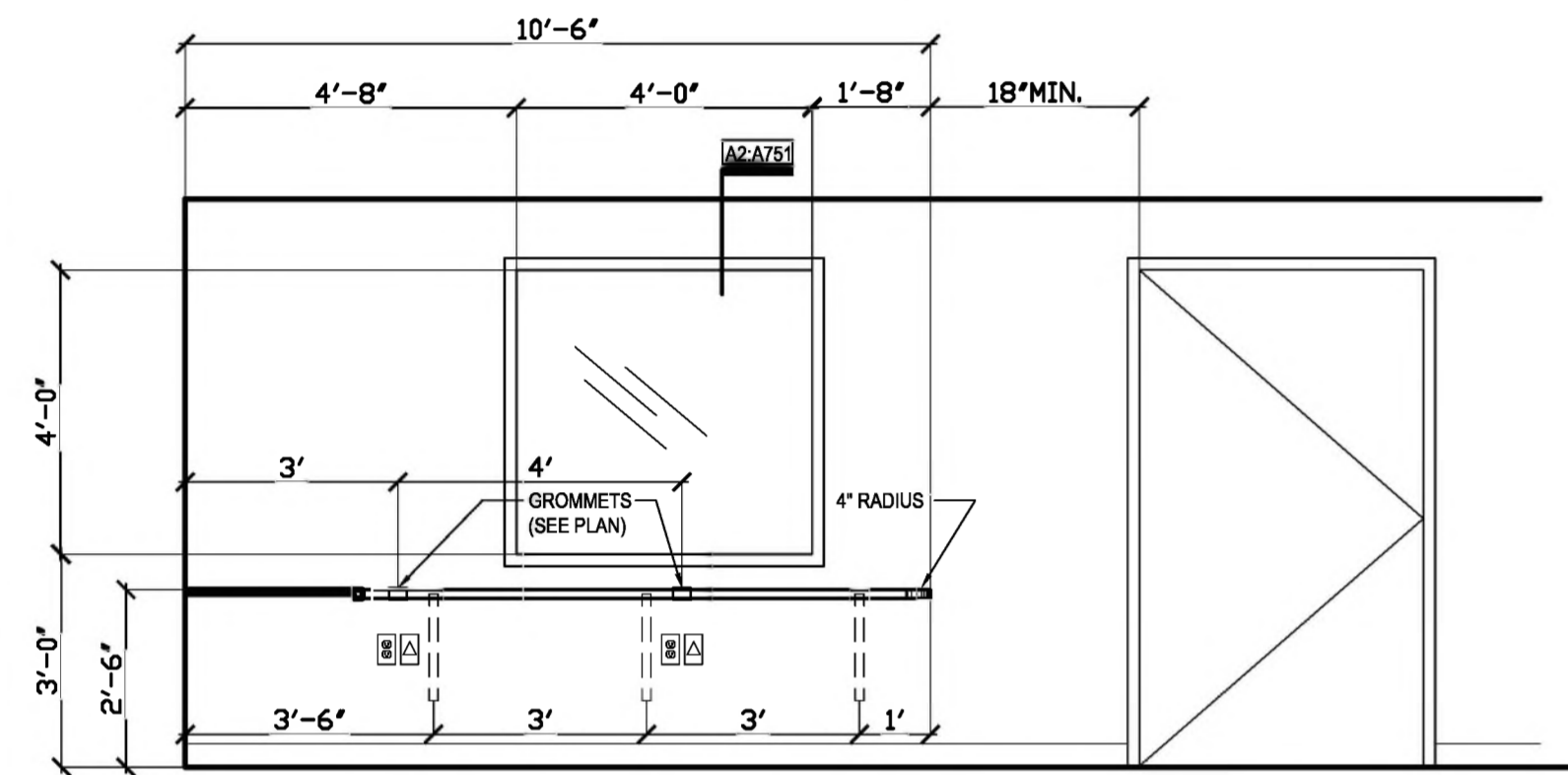
VACUUM	IV ALARM
HOLDER	SLIDE
OXYGEN	DUPLX OUTLET (NORMAL)
NITROGEN	QUAD OUTLET (NORMAL)
NITROUS OXIDE	EMERGENCY QUAD OUTLET
MEDICAL AIR	DATA OUTLET
INSTRUMENT AIR	SWITCH
WAGO (WASTE ANESTHESIA GAS DISPOSAL)	DIMMER SWITCH
NURSE CALL	TELEPHONE
CODE BLUE	DATA



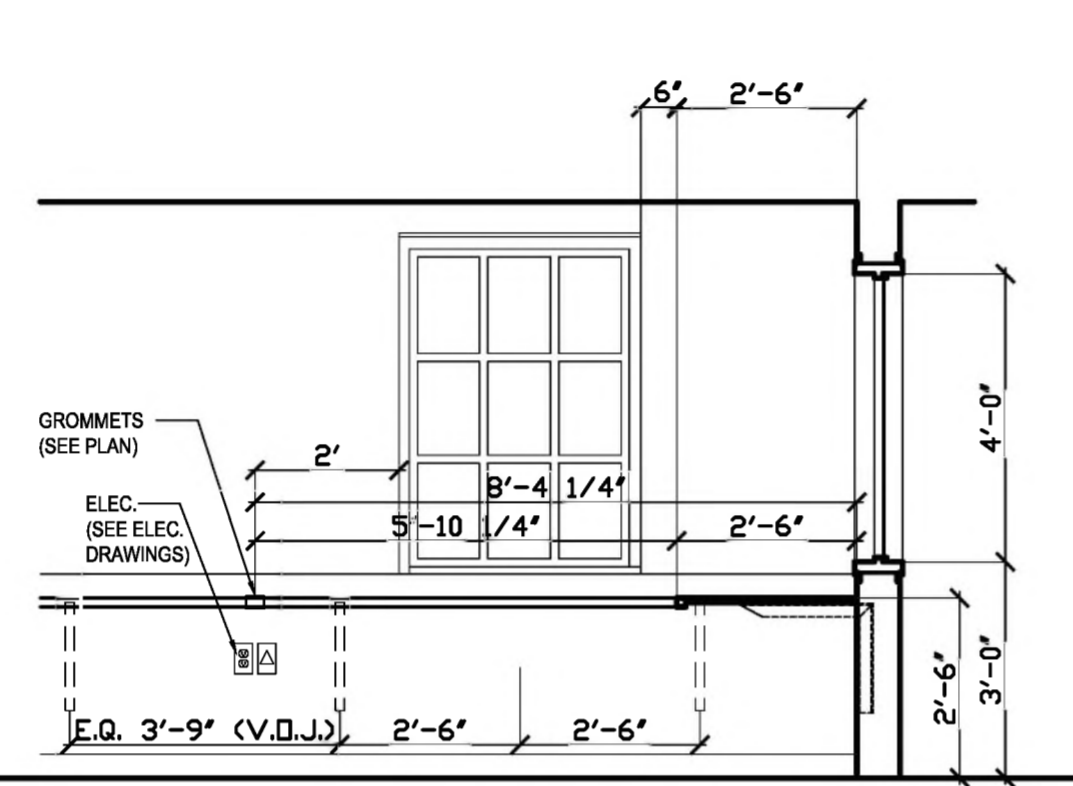
D1 SCANNER ROOM 1 - 107
SCALE: 3/8" = 1'-0"



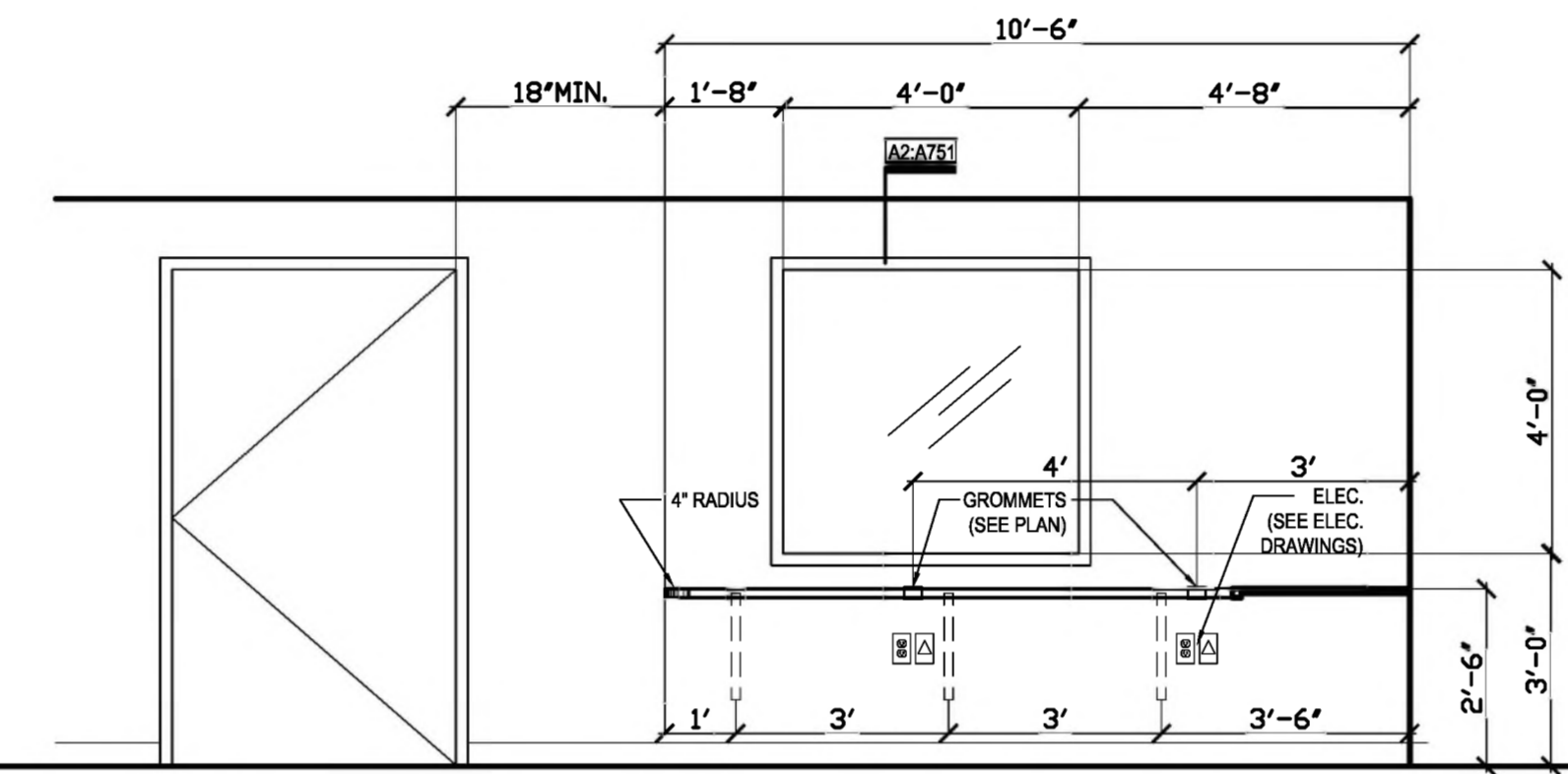
D3 SCANNER ROOM 2 - 104
SCALE: 3/8" = 1'-0"



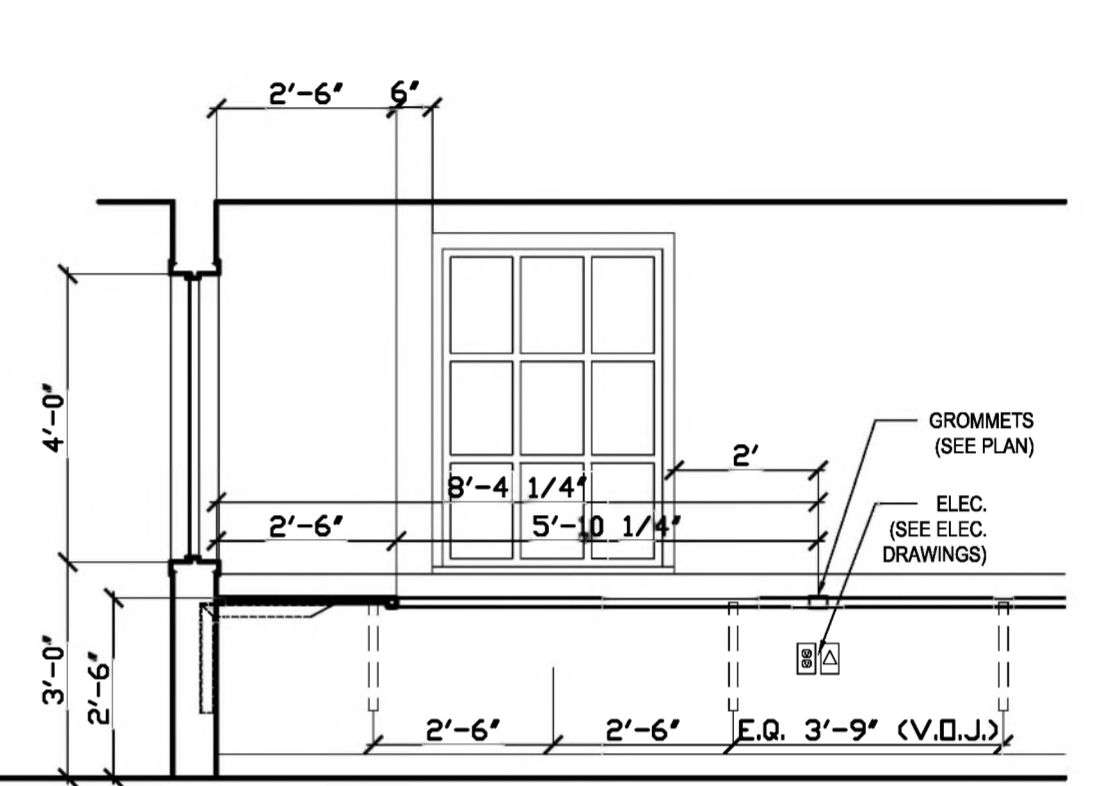
C1 CONTROL ROOM 105
SCALE: 3/8" = 1'-0"



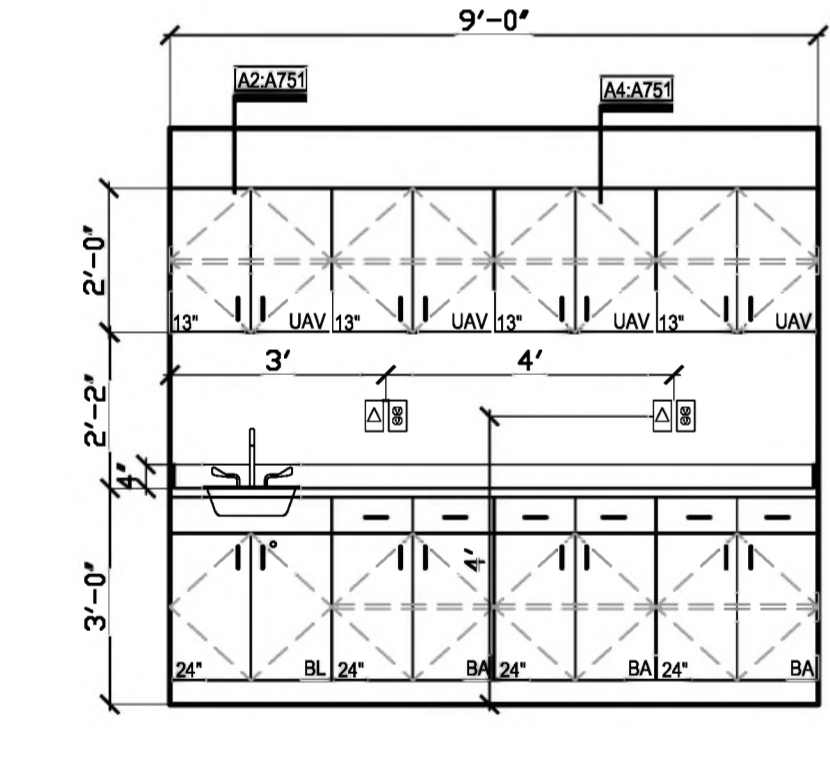
C2 CONTROL ROOM 105
SCALE: 3/8" = 1'-0"



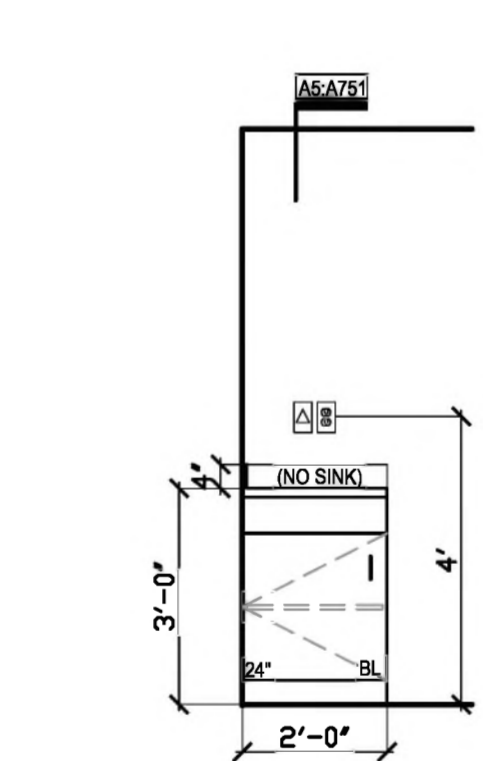
C3 CONTROL ROOM 105
SCALE: 3/8" = 1'-0"



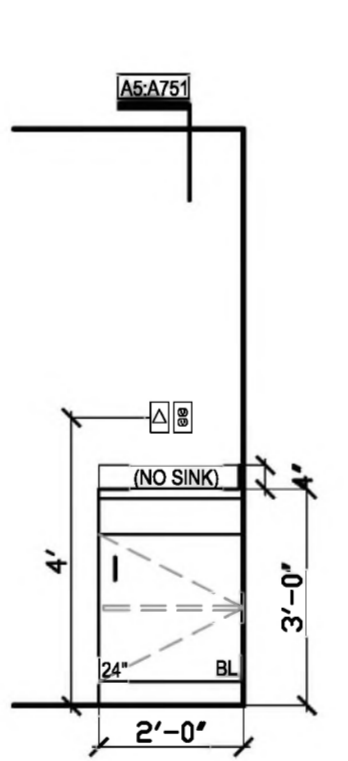
C5 CONTROL ROOM 105
SCALE: 3/8" = 1'-0"



B1 HOT LAB - 103
SCALE: 3/8" = 1'-0"



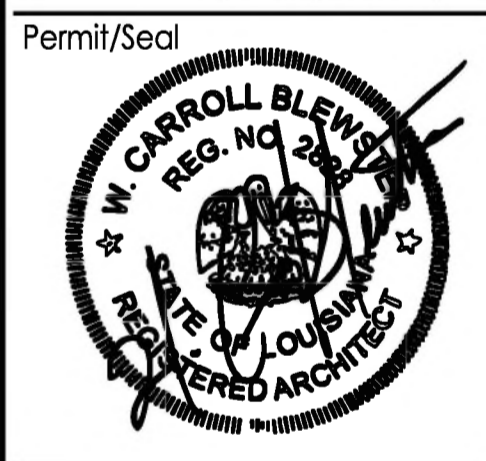
B2 UPTAKE ROOM 106
SCALE: 3/8" = 1'-0"



B3 UPTAKE ROOM 101
SCALE: 3/8" = 1'-0"



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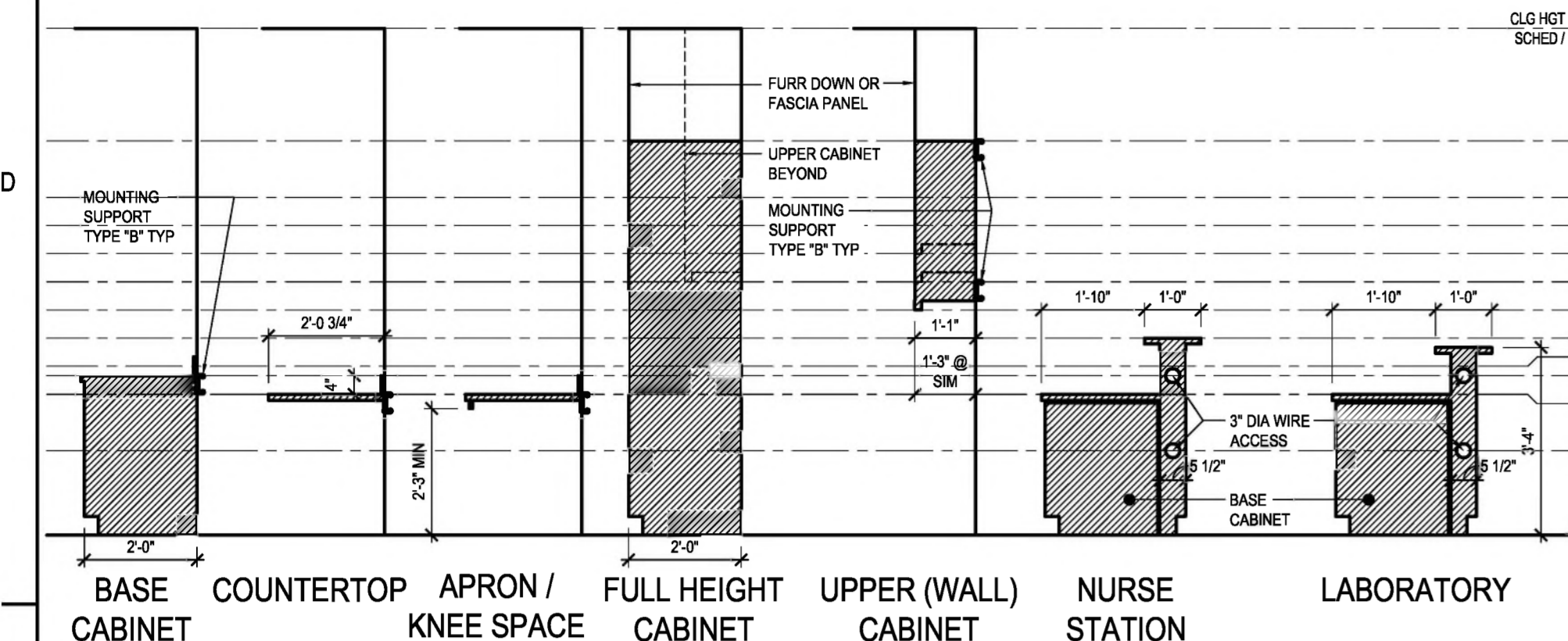
Client/Project
PET Scan Addition to BRCC
Project No.: 222706047
File Name: A701
Scale: AS INDICATED
Dwn. Dgn. Crtd. YYYT/MM/DD
Title
INTERIOR ELEVATIONS

Revision: Sheet: of
Drawing No.
A701

TYPICAL CABINET DIMENSIONS

NOTE: CASEWORK SHALL BE CONSTRUCTED OF 3/4" MDF WITH HIGH PRESSURE LAMINATE ON ALL EXPOSED SURFACES AND PVC EDGES. SEMI-EXPOSED SURFACES (INTERIOR OF CABINETS) SHALL BE FINISHED WITH THERMOSET DECORATIVE OVERLAY (MELAMINE). UNEXPOSED SURFACES SHALL BE SEALED WITH AN ACRYLIC SEALER. DETAILS SHALL COMPLY WITH A.W.I. FLUSH OVERLAY CONSTRUCTION FOR PREMIUM GRADE CASEWORK.

NOTE: ALL DIMENSIONS GIVEN ARE NOMINAL.



D1 TYPICAL CABINET DIMENSIONS
SCALE: 3/8" = 1'-0"

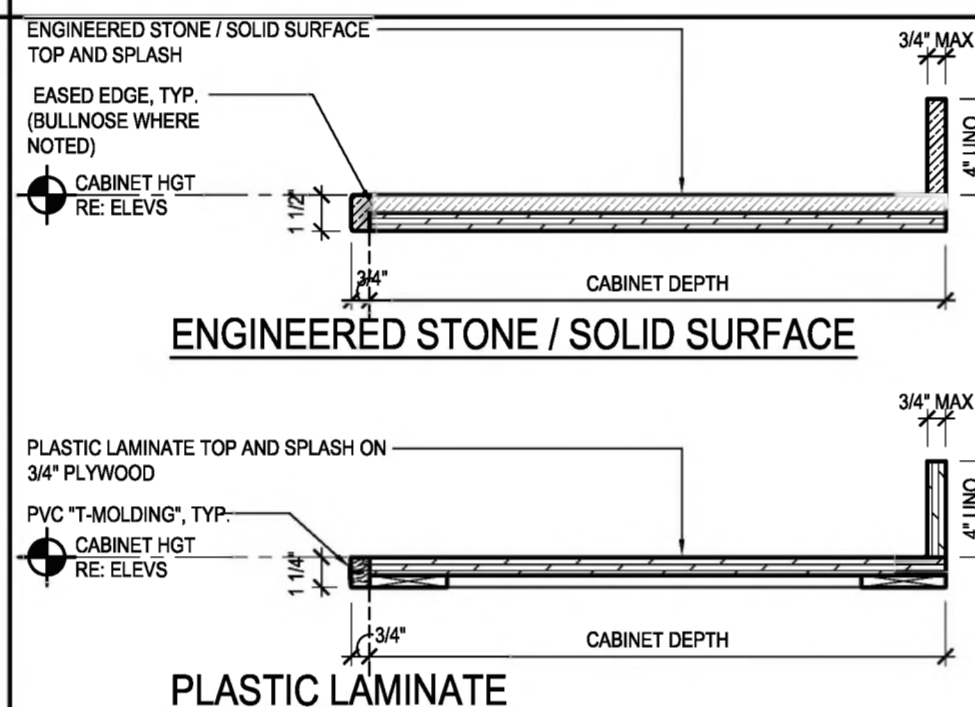
CABINET GENERAL NOTES

- CABINET WIDTHS TO BE BASED ON MODULE INCREMENTS OF 3" UNO.
- PROVIDE FILLER PANELS TO FINISH OUT TO SCRIBE CABINETS TO WALL.
- PROVIDE FINISHED END PANELS END RETURNS AT OPEN ENDED CABINETS, KNEE SPACES, AND ACCESSIBLE SINKS.
- PROVIDE 1 1/2" THICK FINISHED END PANEL AT FREE STANDING END OF ACCESSIBLE SINKS AND KNEE SPACES.
- WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE EQUAL WIDTH.
- PROVIDE CONCEALED WALL BRACKET SUPPORTS AT 36" OC MAX TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE. REFER TO TYPICAL CABINET SUPPORT DETAIL THIS SHEET.
- PROVIDE END SPLASH WHEN COUNTERTOP IS ADJACENT TO WALL AT SIDES.
- PROVIDE HOLES FOR GROMMETS IN COUNTERTOPS AND AT THE FOLLOWING LOCATIONS:
 - 1 EACH WIRE ACCESS HOLE WITH GROMMET AT KNEE SPACE.
 - WIRE ACCESS HOLES WITH GROMMETS AT 36" OC FOR CONTINUOUS RUNS OF KNEE SPACE.
 - 1 WIRE ACCESS GROMMET BEHIND EACH KEYBOARD DRAWER.
 - 1 COMPUTER PAPER SLOT GROMMET BEHIND EACH PRINTER.
- PROVIDE ADJUSTABLE SHELVES IN CABINETS AT THE FOLLOWING LOCATIONS UNO ON ELEVATIONS:
 - BASE CABINET - 1 SHELF
 - FULL HEIGHT CABINET - 5 SHELVES, 1 FIXED
 - WALL CABINET - 1 SHELF AT $\leq 24''$ HIGH, 2 SHELVES AT TALLER CABINETS
- GLASS FRONTS TO BE 1/4" THICK CLEAR TEMPERED GLASS UNO.
- PROVIDE AN APRON AT ALL KNEE SPACES 30" OR HIGHER UNO.
- REFER TO A2-40 FOR FINISH INFORMATION.

CABINET FINISH NOTES

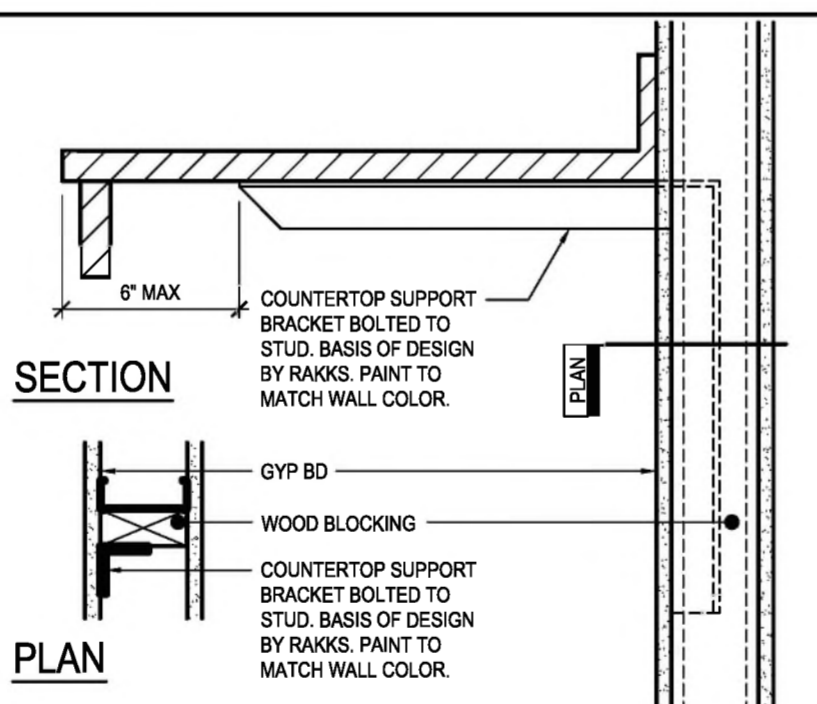
- REFER TO SHEET A2-40 FOR FINISH ABBREVIATIONS AND SPECIFICATION INFORMATION.
- PATTERN NAME, COLOR AND NUMBER FOR EACH MATERIAL ARE GIVEN WHEREVER POSSIBLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/DISIGNER SO THAT THE CORRECT MATERIAL IS INSTALLED.
- WOOD GRAIN PATTERN TO RUN VERTICALLY UNLESS NOTED OTHERWISE.
- STANDARD WIRE PULLS UNLESS NOTED OTHERWISE. REFER TO ELEVATIONS FOR LOCATIONS WHERE UPGRADED PULL IS REQUIRED.

TYPICAL COUNTERTOPS

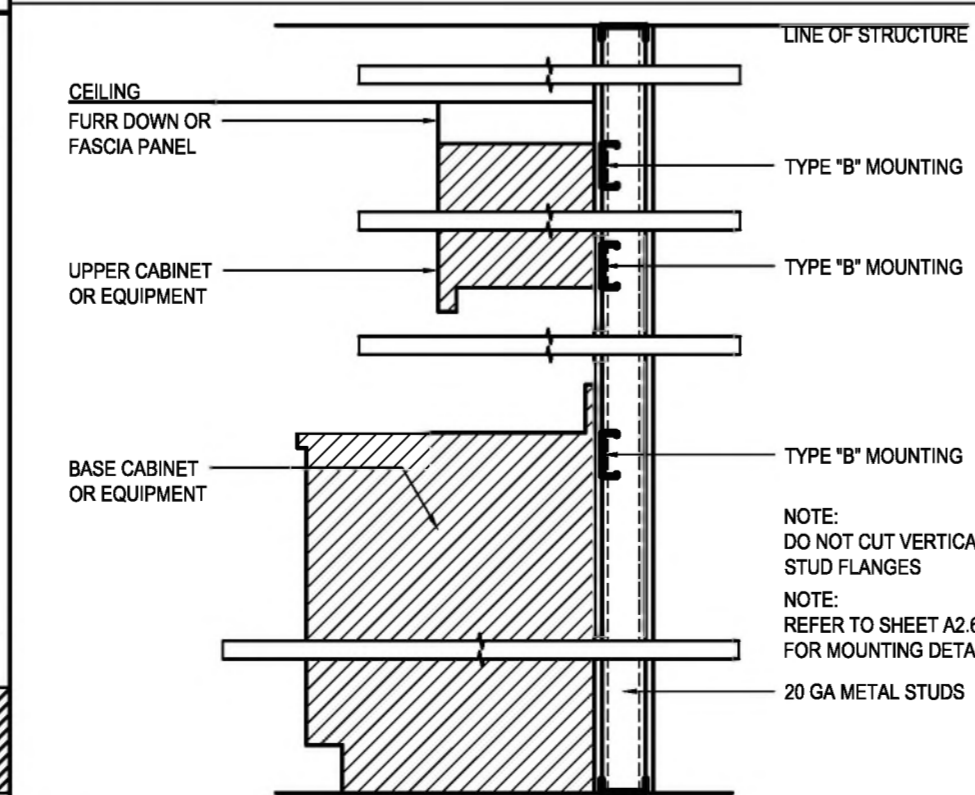


C2 STANDARD COUNTERTOP TYPES
SCALE: 1 1/2" = 1'-0"

TYPICAL CABINET SUPPORT

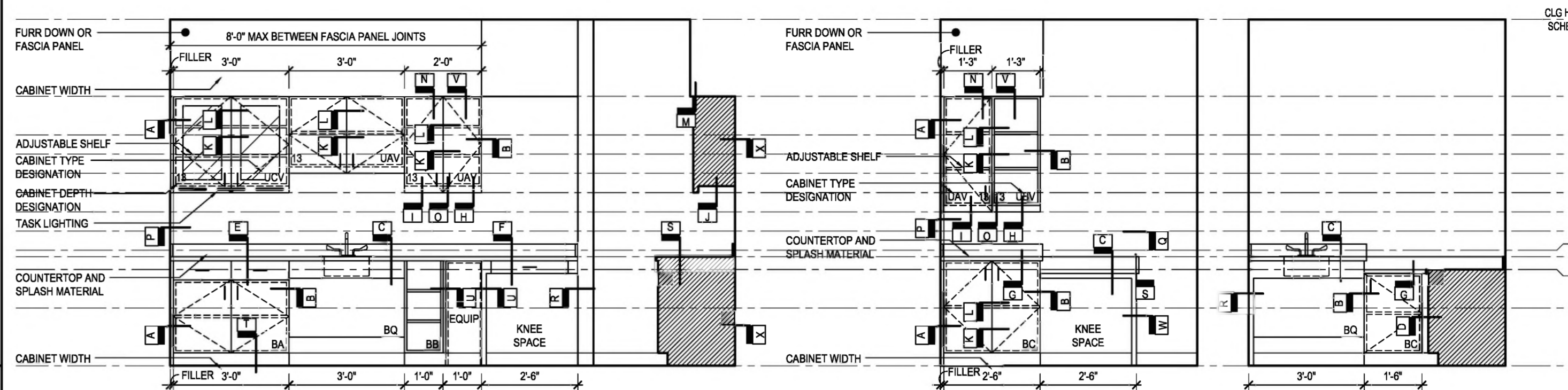


B2 CONCEALED COUNTERTOP SUPPORT
SCALE: 1 1/2" = 1'-0"



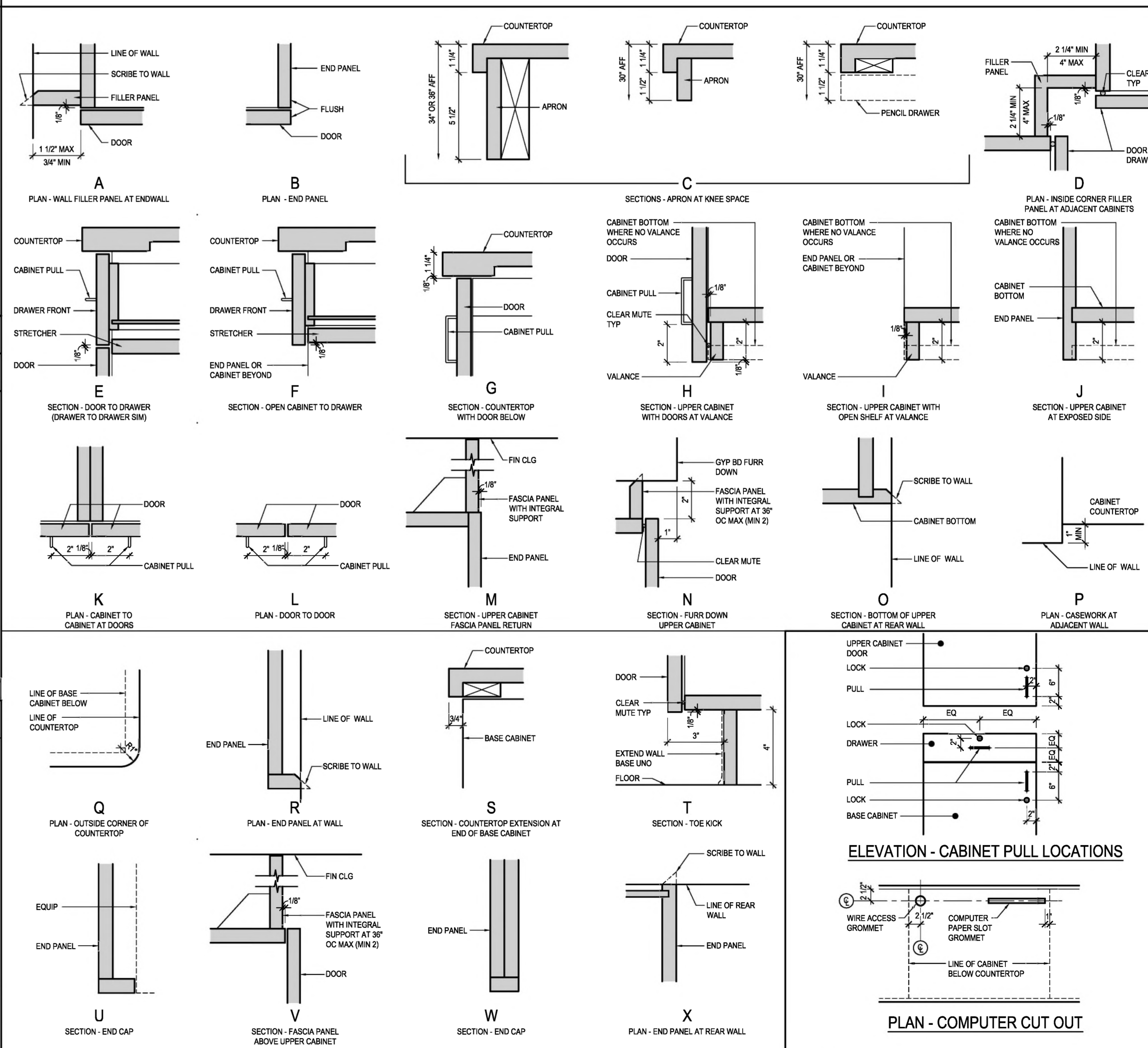
A2 TYP. CABINET SUPPORT WALL
SCALE: 3/4" = 1'-0"

CABINET DETAILS LEGEND



D3 CABINET DETAIL KEYS
SCALE: 3/8" = 1'-0"

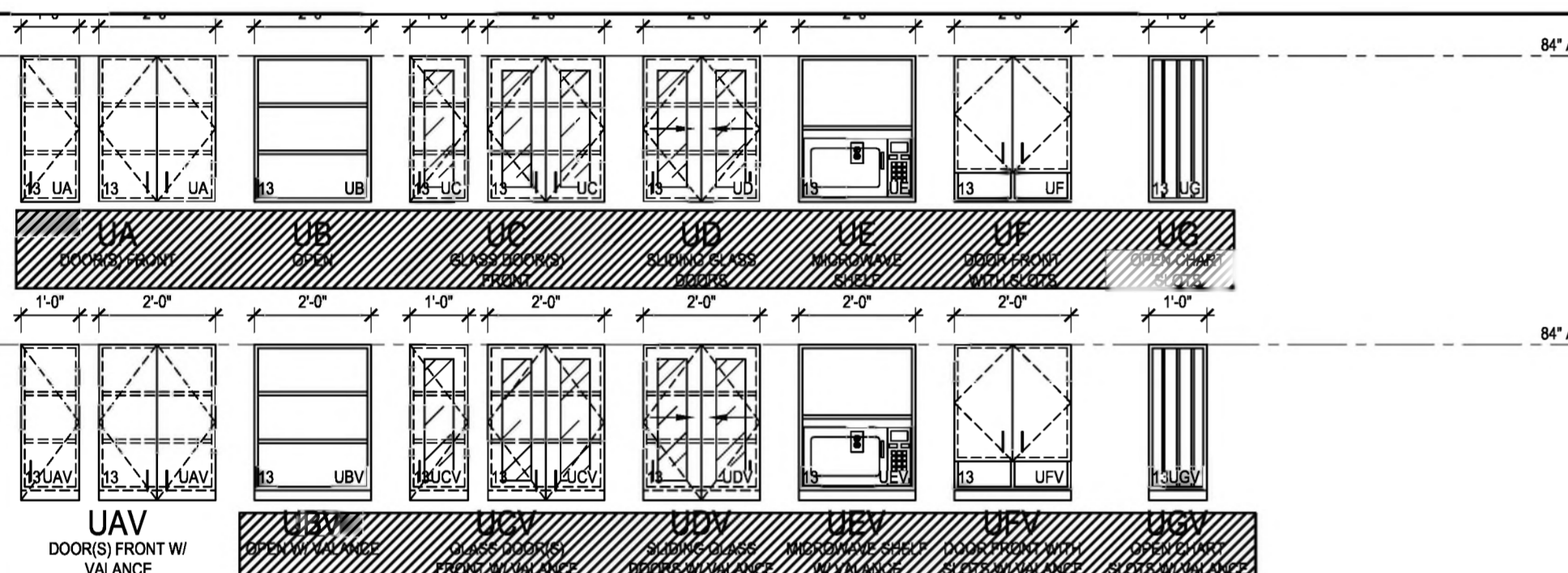
TYPICAL CABINET DETAILS



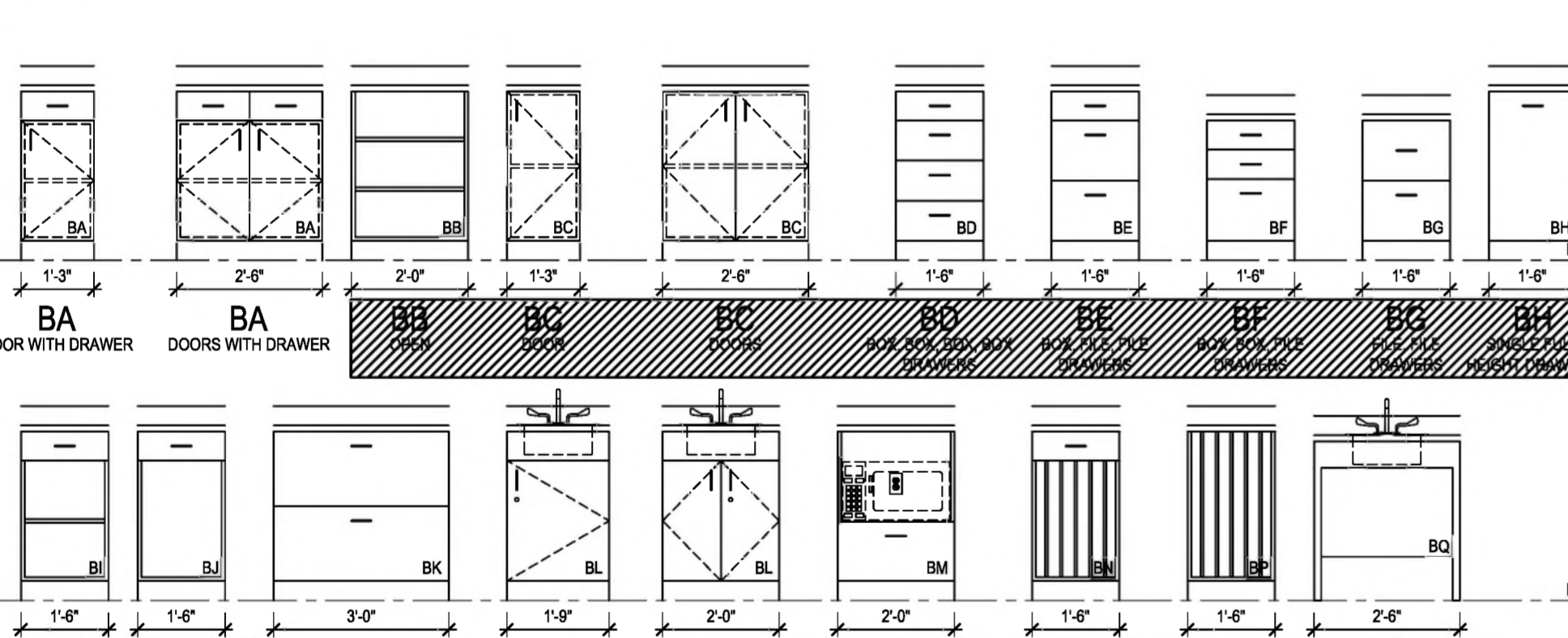
A3 TYPICAL CABINET DETAILS
SCALE: 3" = 1'-0"

A5 TYPICAL CABINET HARDWARE
SCALE: 3/4" = 1'-0"

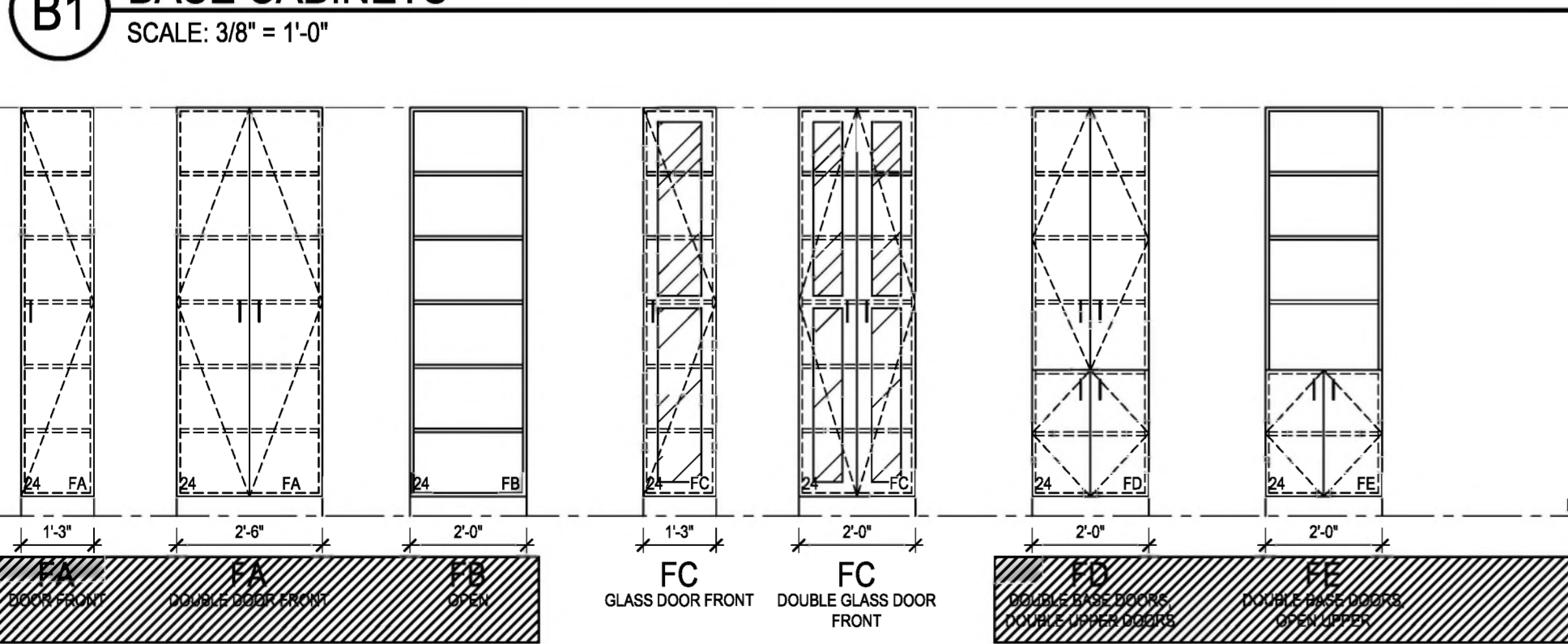
CABINET TYPES



C1 UPPER (WALL) CABINETS
SCALE: 3/8" = 1'-0"

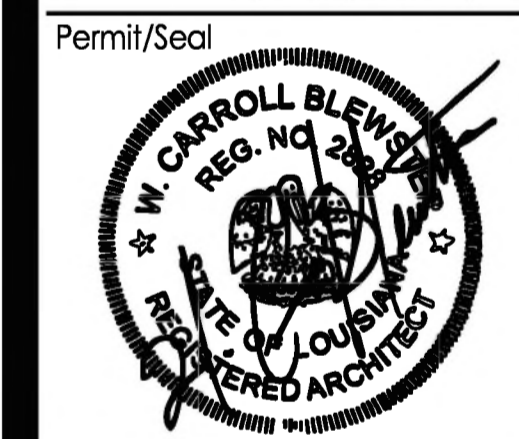


B1 BASE CABINETS
SCALE: 3/8" = 1'-0"

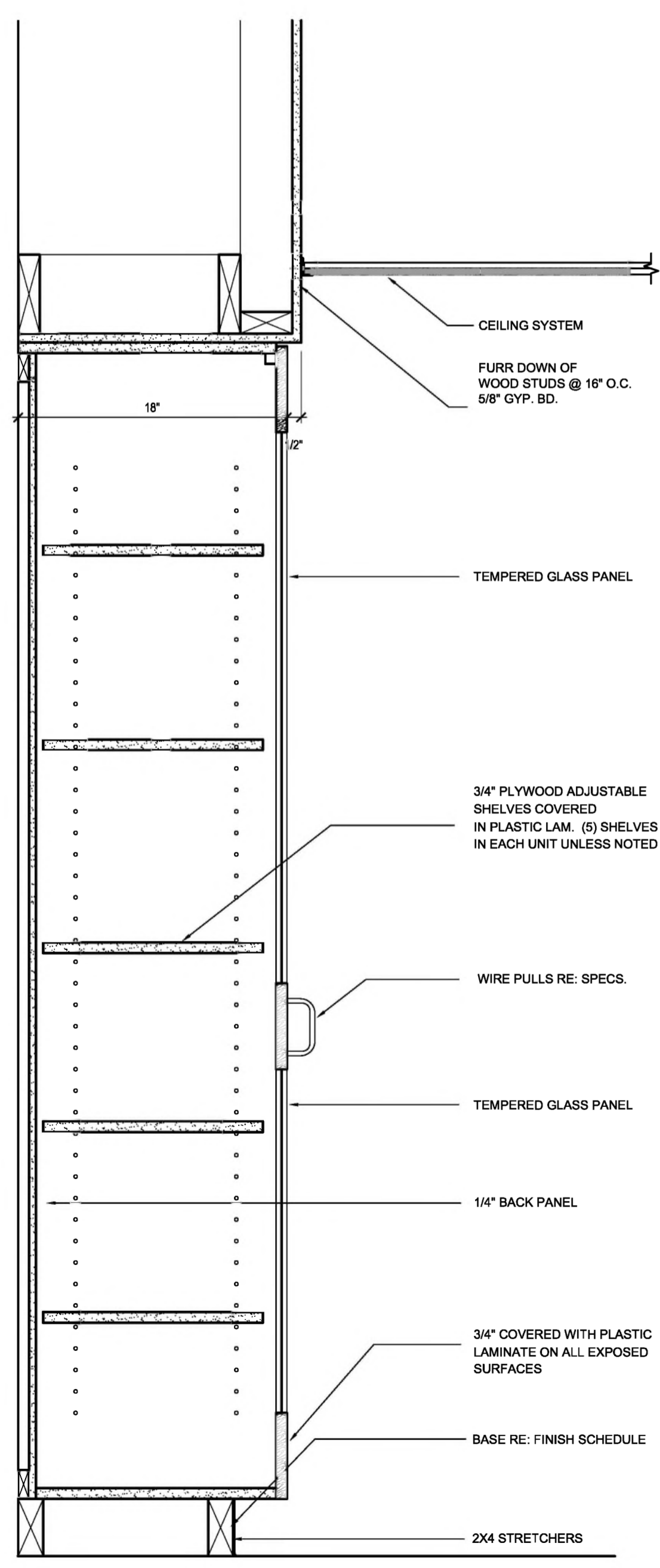


A1 FULL HEIGHT CABINETS
SCALE: 3/8" = 1'-0"

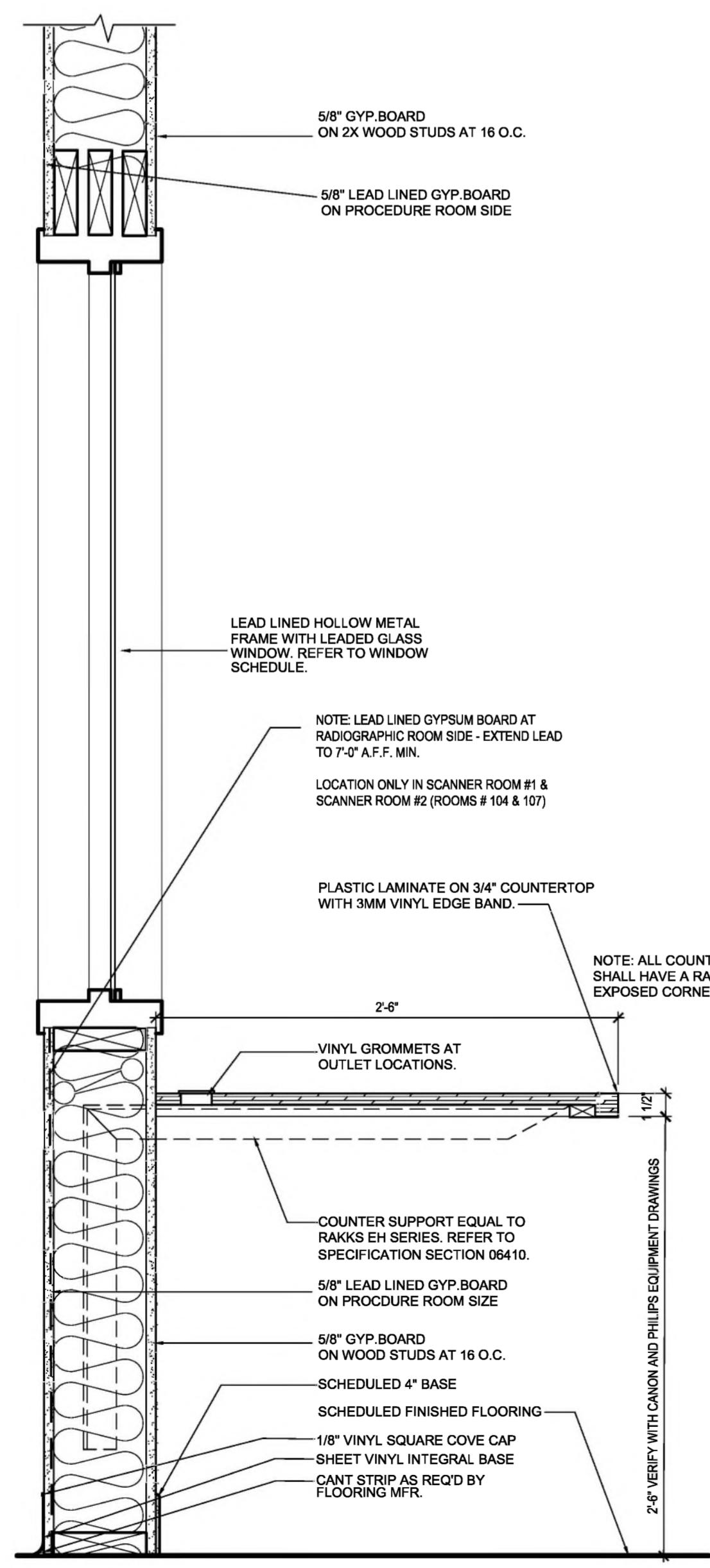
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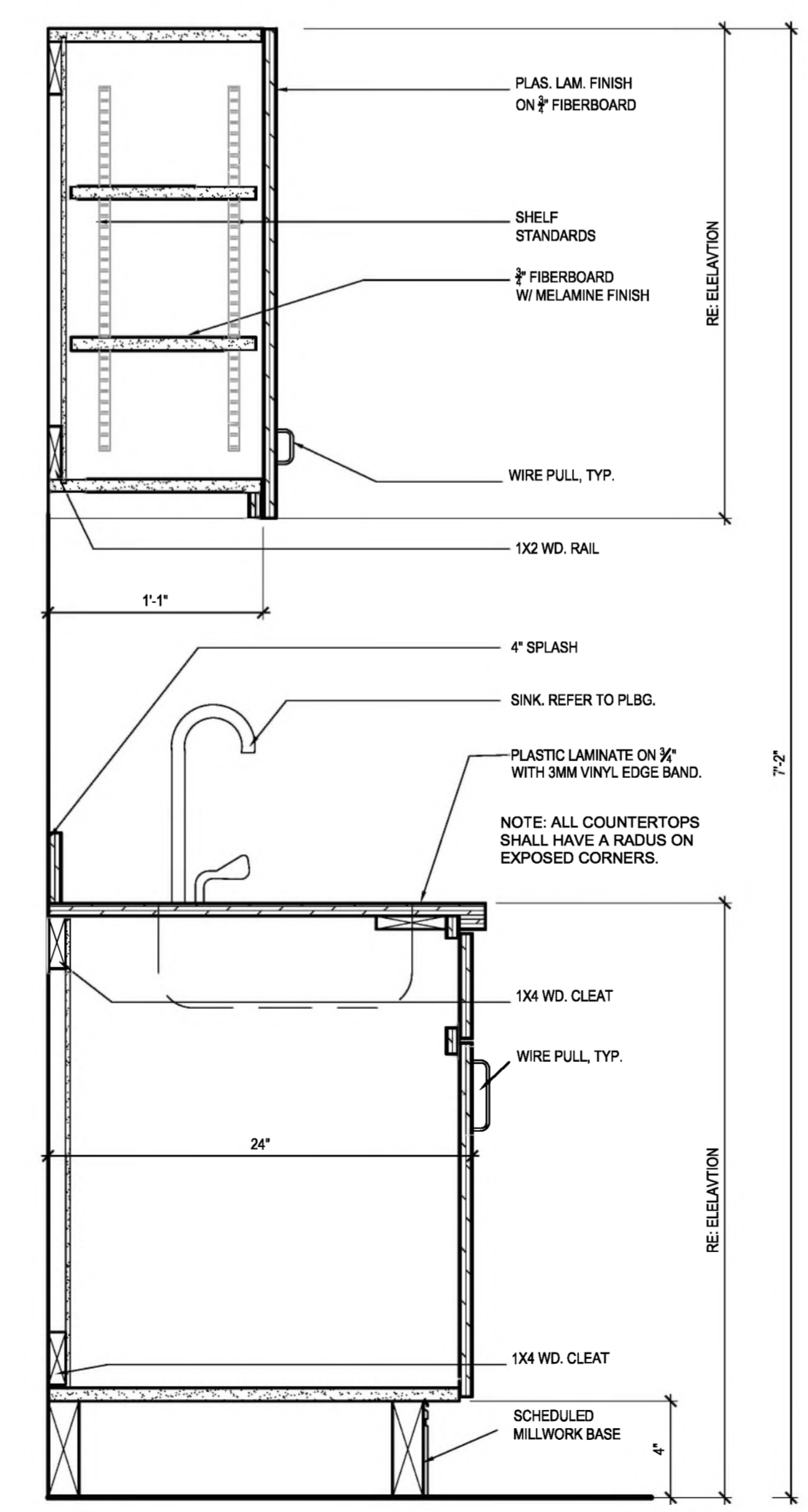
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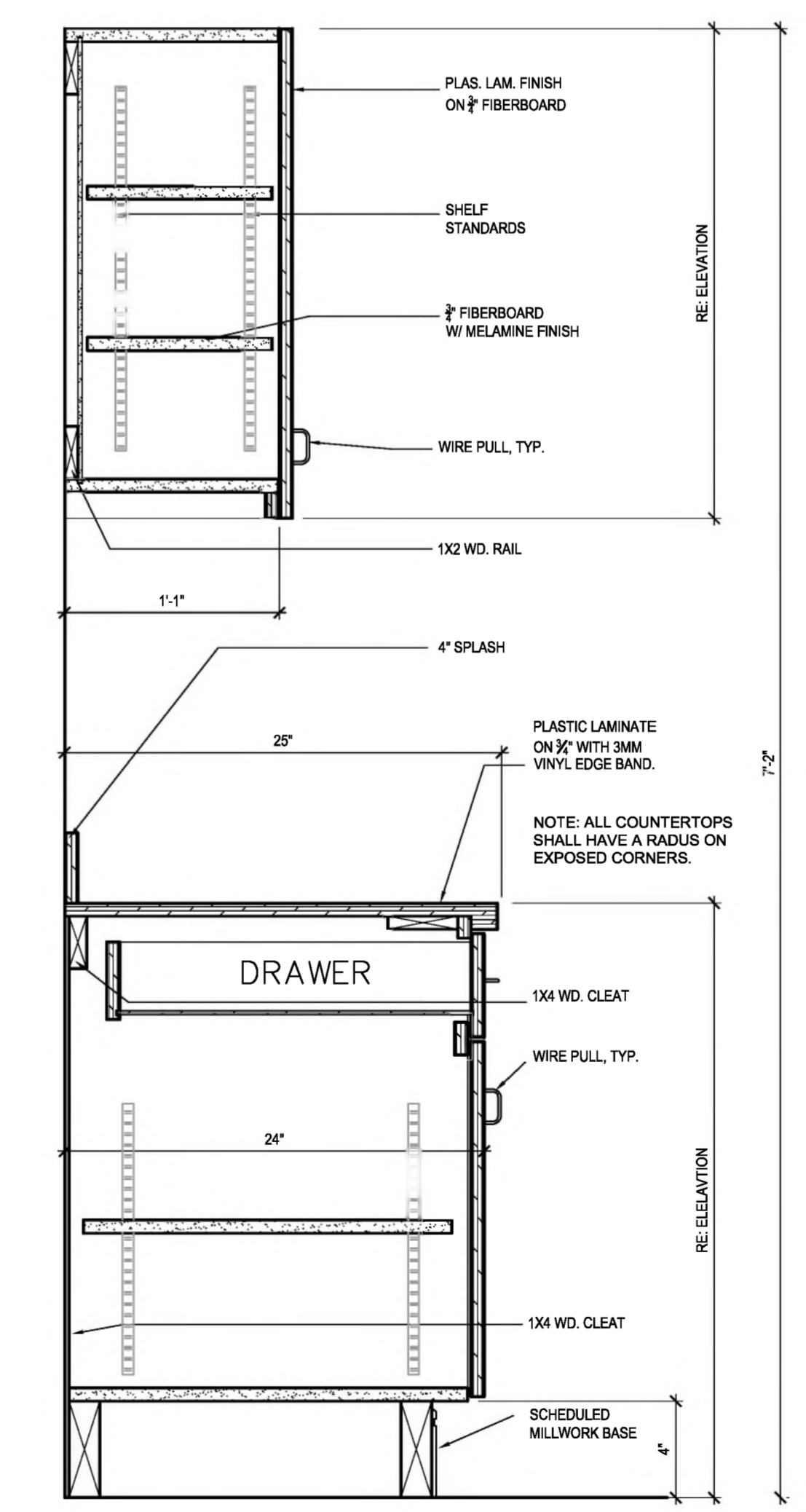
A1 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



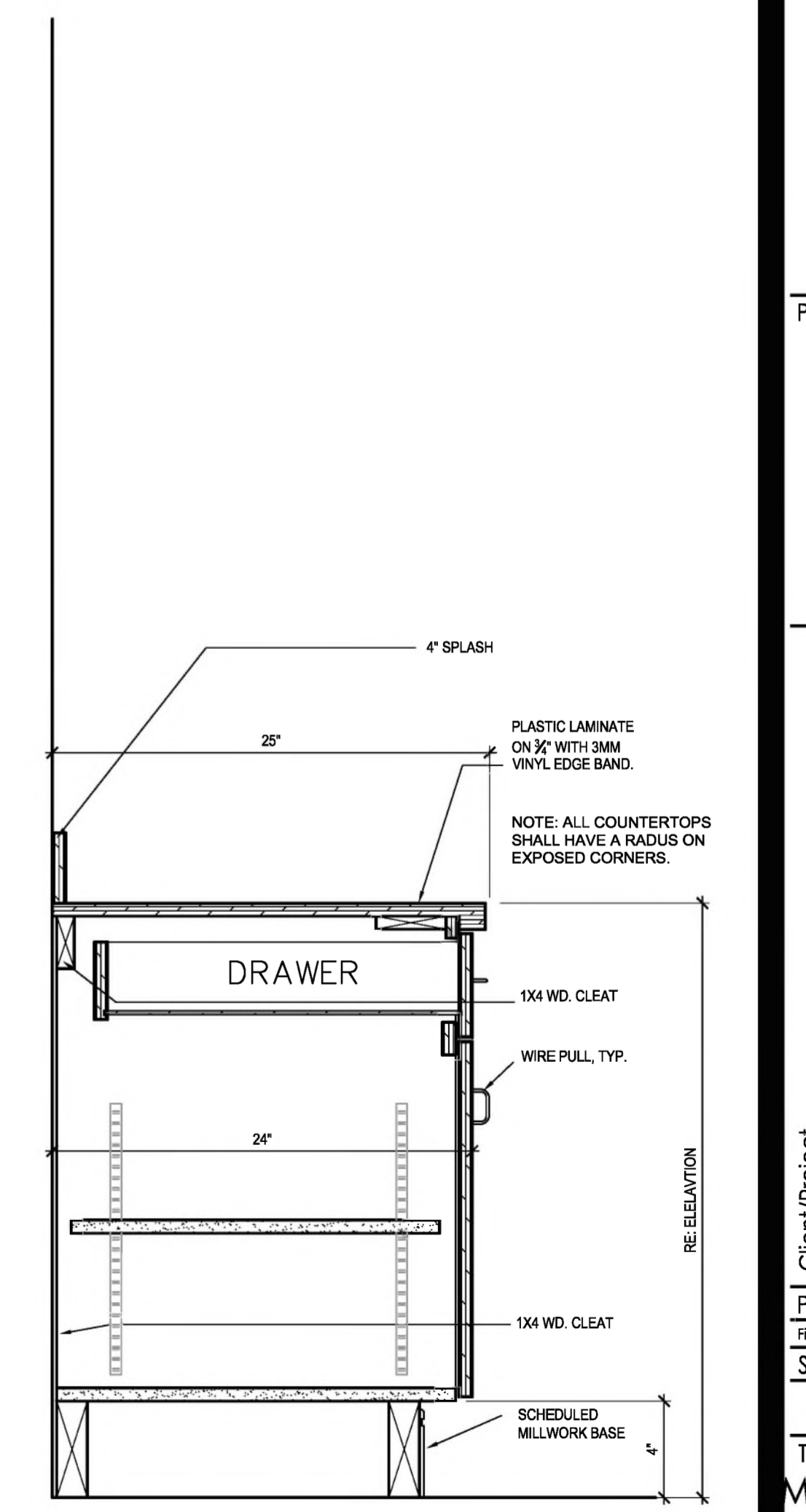
A2 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



A3 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



A4 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"

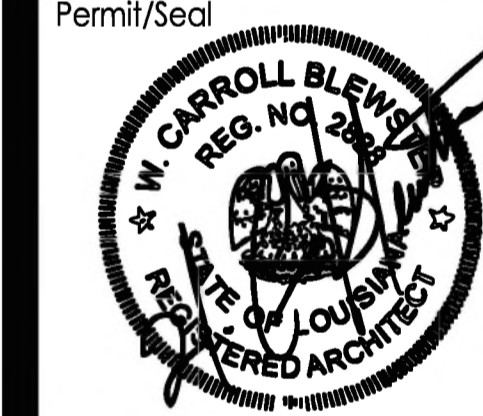


A5 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"

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Consultant

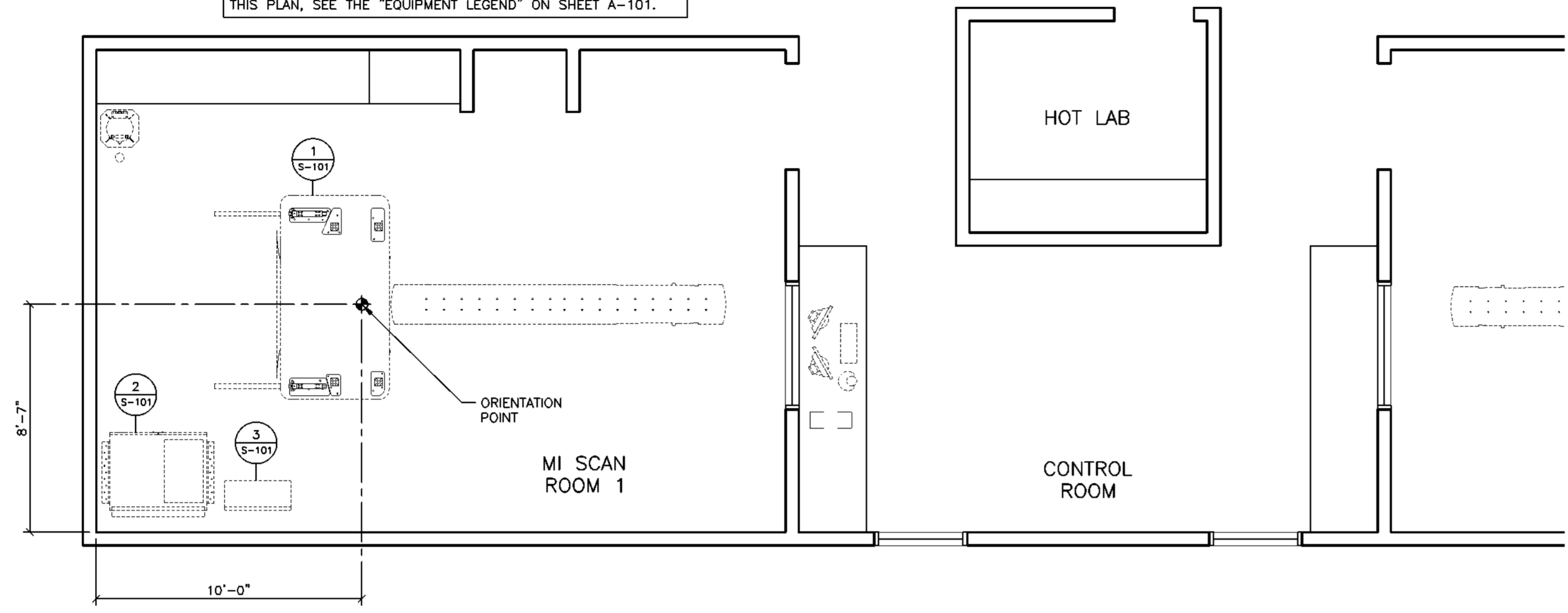
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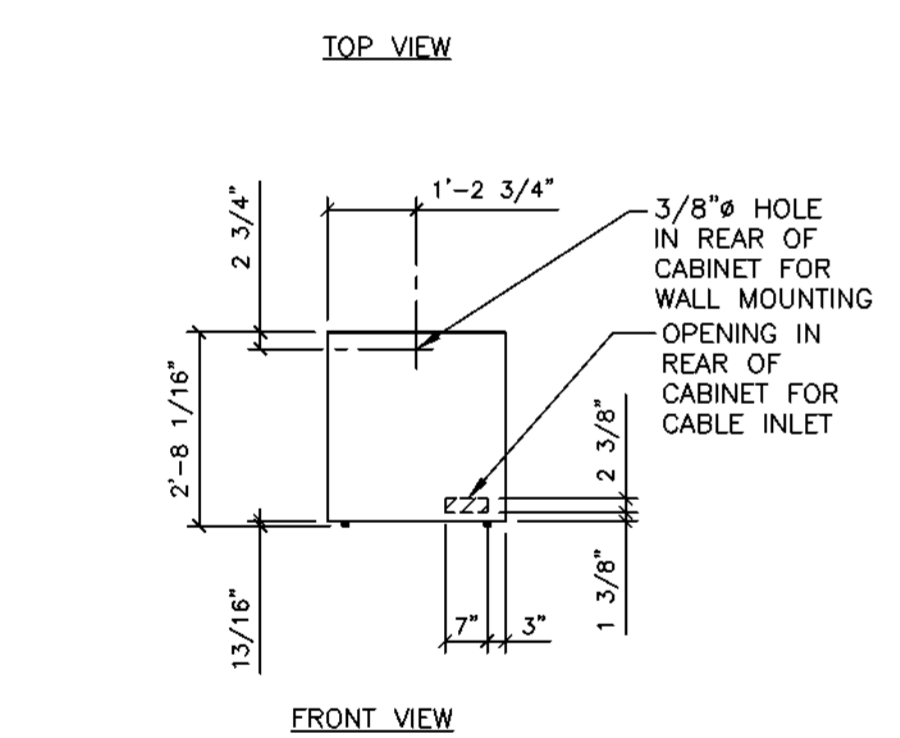
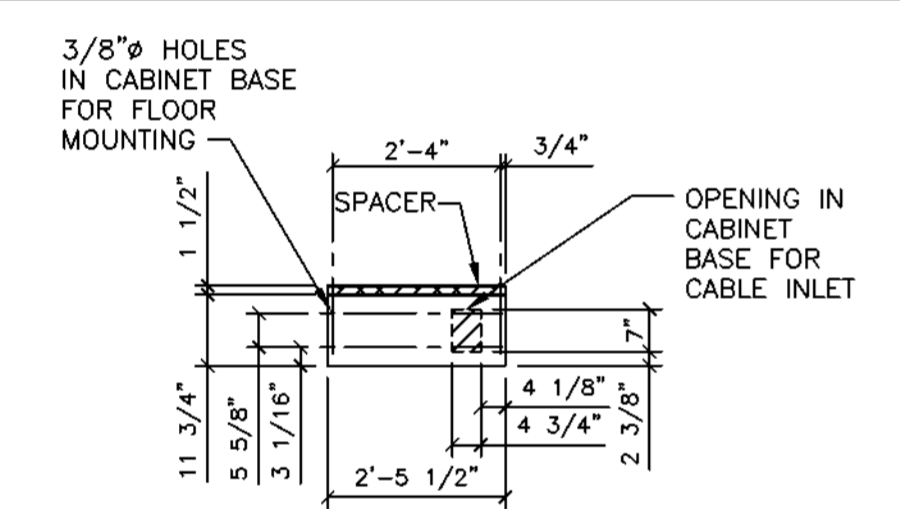
Client/Project: PET Scan Addition to BRCC
Project No.: 222706047
File Name: A751
Scale: AS INDICATED
Date: 2024.02.27
Title: MILLWORK DETAILS

NOTE: FOR THE WEIGHTS OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "EQUIPMENT LEGEND" ON SHEET A-101.



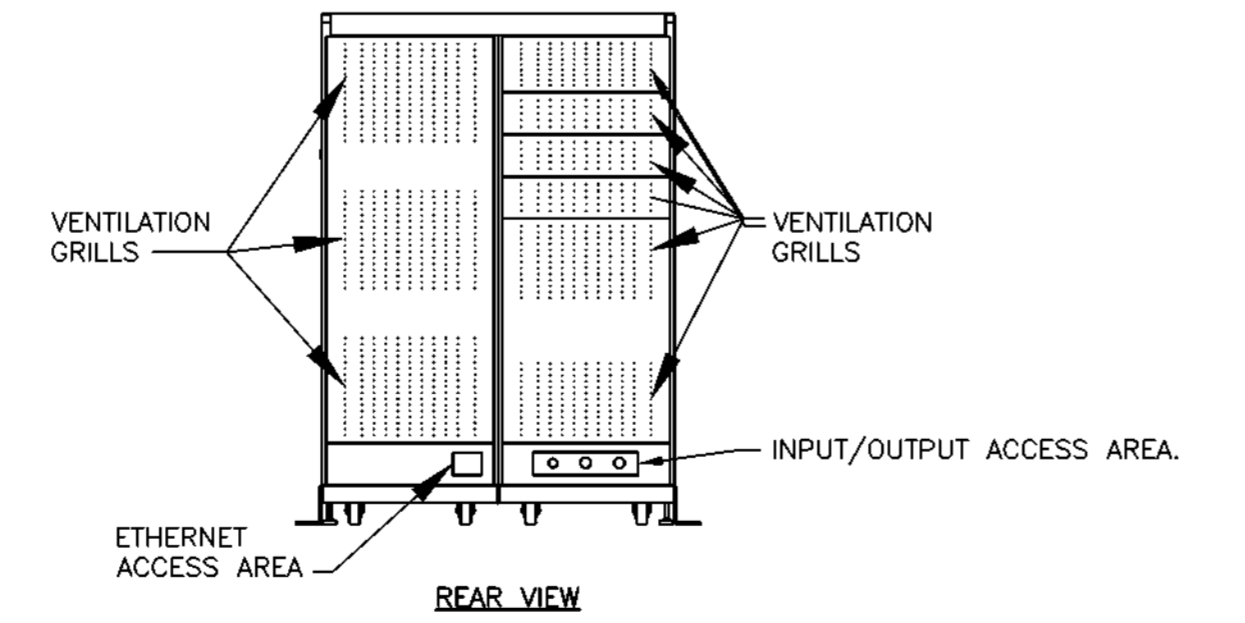
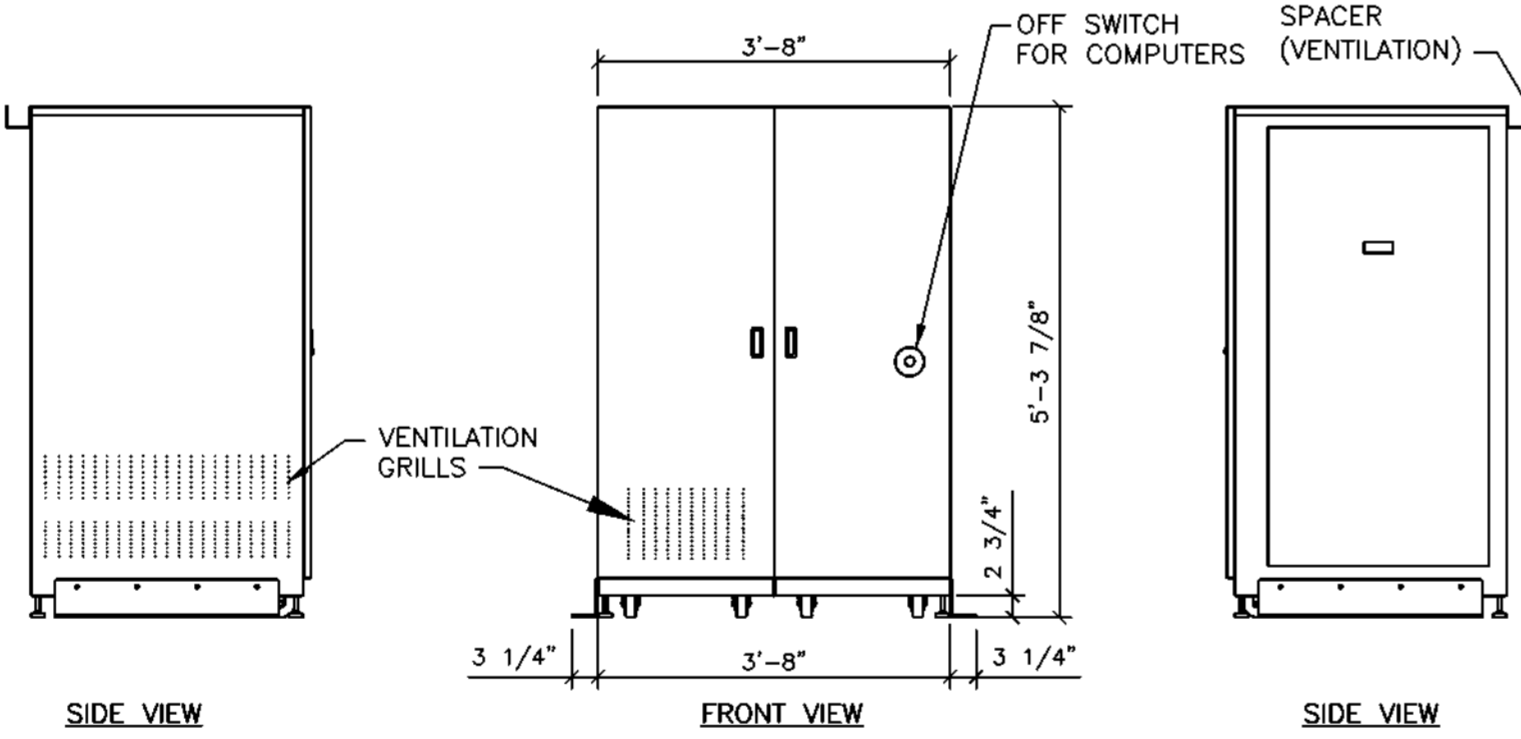
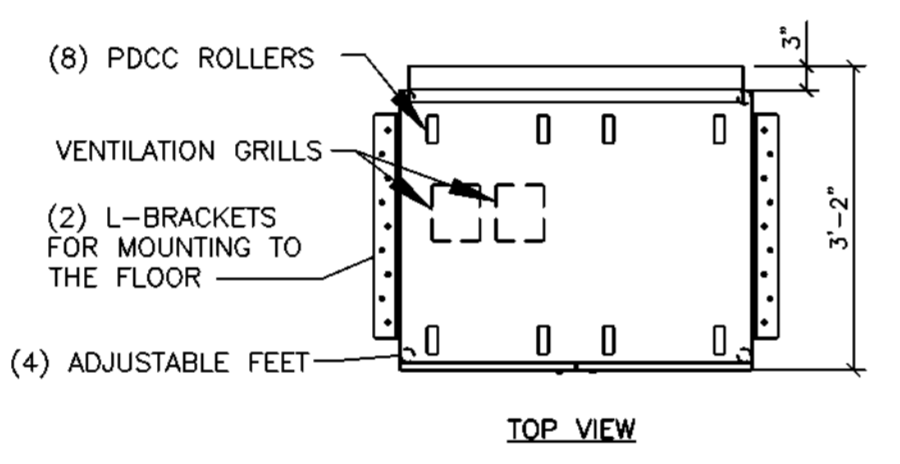
STRUCTURAL FLOOR PLAN

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



ANCHORING REQUIREMENTS
 THE LINE CONNECTION BOX (LCB) CAN BE MOUNTED TO THE WALL THROUGH THE REAR COVER TO PREVENT TIPPING. MOUNTING THE LCB TO THE FLOOR IS ONLY NECESSARY WHEN LOCAL OR NATIONAL REGULATIONS REQUIRE IT (EXAMPLE: EARTHQUAKE ZONES). SCREWS AND ANCHORS FOR MOUNTING ARE NOT DELIVERED WITH THE SYSTEM. THEY HAVE TO BE PROVIDED ON-SITE.

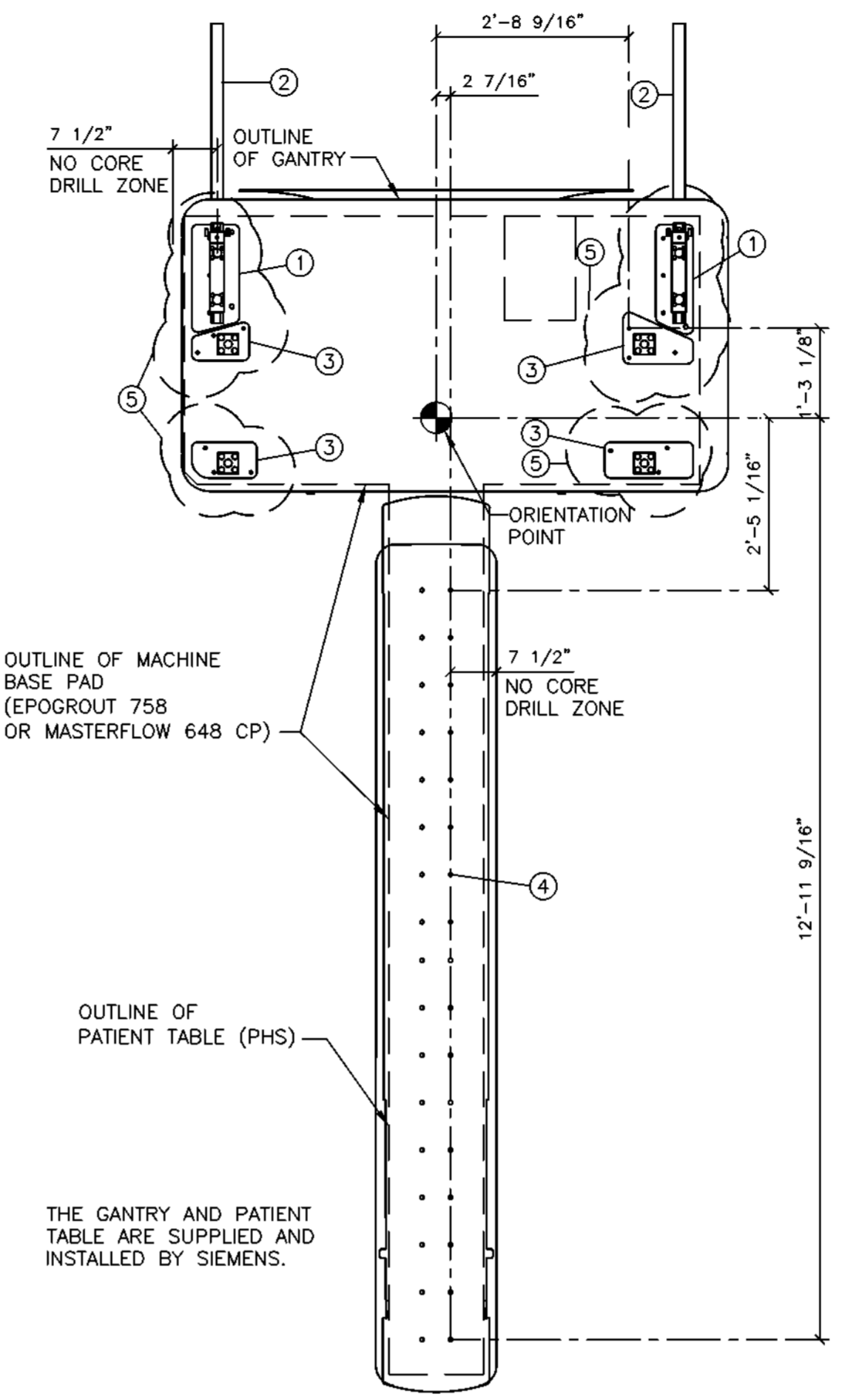
3 LCB CABINET DETAIL SCALE: 3/8"=1'-0"



POWER DISTRIBUTION COMPUTER CABINET (PDCC)
 BOLTING THE POWER DISTRIBUTION COMPUTER CABINET TO THE FLOOR IS ONLY NECESSARY WHEN LOCAL OR NATIONAL REGULATIONS REQUIRE IT. (EXAMPLE: EARTHQUAKE ZONES). BOLT THE CABINET TO THE FLOOR USING THE L-BRACKETS THAT ARE INCLUDED IN WITH THE PDCC AND ANCHOR THROUGH THE DRILL HOLES IN THE FLOOR PLATE. MATERIALS FOR BOLTING MUST BE SUPPLIED ON-SITE.

2 POWER DISTRIBUTION COMPUTER CABINET DETAIL SCALE: 1/2"=1'-0"

SIEMENS PROJECT MANAGERS CAN ORDER A FULL SIZE TEMPLATE DISPLAYING:
 SCANNER OUTLINE
 ANCHOR LOCATIONS
 CABLE ENTRANCES
 MACHINE BASE PAD OUTLINE (EPOGROUT 758 OR MASTERFLOW 648 CP-IF NEEDED)
 THIS TEMPLATE CAN BE ORDERED BY THE TYPICAL DRAWING NUMBER FOR THIS SYSTEM.



GANTRY AND PATIENT TABLE (PHS) EQUIPMENT MOUNTING SPECIFICATIONS:
 THE GANTRY AND PATIENT TABLE (PHS) WILL BE SECURELY MOUNTED TO THE FLOOR. REFER TO THE FLOOR REQUIREMENT NOTE LOCATED ON THIS SHEET. IT IS THE CUSTOMER'S RESPONSIBILITY TO MEET THE FLOOR REQUIREMENTS SPECIFICATIONS.

BOLTING REQUIREMENTS:
 THE WEIGHT CAPACITY OF THE FLOOR MUST BE EVALUATED BY A STRUCTURAL ENGINEER.

THE GANTRY AND PATIENT TABLE (PHS) IS FASTENED TO THE FLOOR AND/OR MACHINE BASE PAD (EPOGROUT 758 OR MASTERFLOW 648 CP) WITH GRADE 5, 1/2"-13 UNC -2A THREADED JACKSCREWS SUPPLIED BY SIEMENS, USING POWERS AC100+ GOLD ANCHOR ADHESIVE. MINIMUM ALLOWABLE TENSION LOAD PER SCREW TO BE 1000 LBS. SUPPLIED BY SIEMENS.

POSITIONING AND LEVELING THE CT GANTRY HEIGHT IS ADJUSTED WITH 4 ADJUSTABLE FEET FASTENED TO 4 MOUNTING BLOCKS. THE PET GANTRY HEIGHT IS SECURELY FASTENED TO 2 MOUNTING BLOCKS. THE PATIENT TABLE (PHS) IS ADJUSTED THROUGH THE 34 ADJUSTABLE JACKSCREWS. SECURING THE PATIENT TABLE (PHS) TO THE FLOOR IS MANDATORY.

DIMENSIONS/MOUNTING HOLES LOCATIONS THE SIEMENS PROJECT MANAGER SHOULD REFER TO THE BIOGRAPH HORIZON LOAD DRAWINGS.

SIEMENS INSTALLERS ARE RESPONSIBLE FOR DRILLING THE GANTRY AND PATIENT TABLE (PHS) HOLES PER THE DRILL TEMPLATE THAT IS INCLUDED WITH THE DELIVERY MATERIALS.

NO CORE ZONE REQUIREMENTS:
 THE CUSTOMER/CONTRACTOR WHEN CORE DRILLING FOR PIPES AND CONDUITS, IT IS IMPORTANT TO AVOID THE AREAS UNDER THE CT GANTRY, PET GANTRY AND PATIENT TABLE (PHS) WHERE THERE ARE BOLT HOLES AS OUTLINE IN THIS DETAIL. CORE DRILLING IN THE NO CORE ZONES WILL WEAKEN THE STRUCTURAL INTEGRITY OF THE MOUNT POINT WITHIN THE ZONES. A 7.5" IS REQUIRED TO BE HELD FROM THE EDGE OF ANY FLOOR BOLT HOLE.

- ① PET GANTRY - (2) MOUNTING BLOCKS - 5/8"
- ② PET RAILS - FASTENED TO THE (2) PET GANTRY MOUNTING BLOCKS
- ③ CT GANTRY - (4) ADJUSTABLE FEET FASTENED TO (4) MOUNTING BLOCKS - 5/8"
- ④ PHS - ADJUSTED THROUGH (34) JACKSCREWS - 5/8" MINIMUM EXTRACTION FORCE FOR THE POINTS WHERE THE PATIENT TABLE (PHS) IS ATTACHED AS WELL AS FOR THE EXISTING MOUNTING FRAME AND RAISED OR DOUBLE FLOORING. ACCORDING TO THE IEC-60601-1 A SAFETY FACTOR OF 4 HAS TO BE OBSERVED.
- ⑤ NO CORE DRILL ZONES

1 GANTRY AND PATIENT TABLE (PHS) MOUNTING DETAIL SCALE: 1/2"=1'-0"

FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

STRUCTURAL NOTES

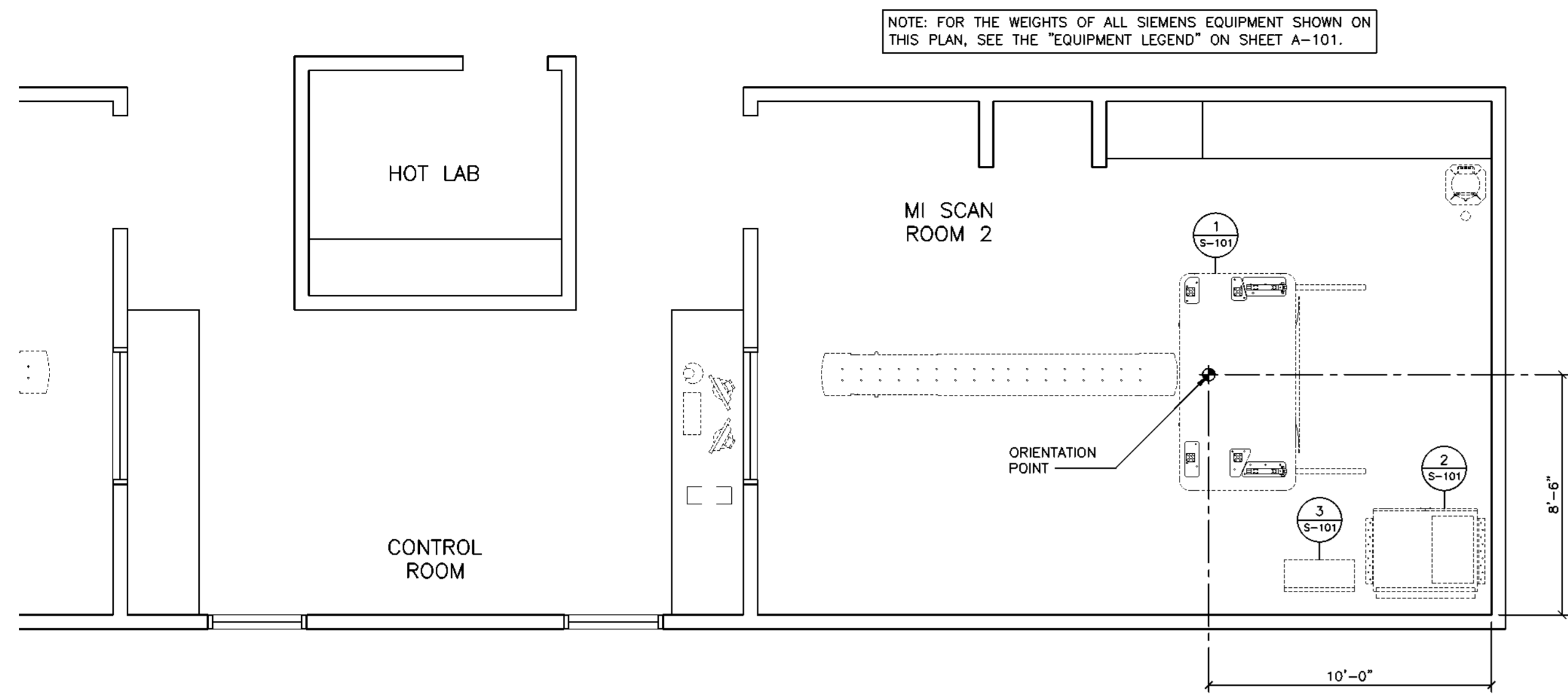
- 1) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF THE SIEMENS EQUIPMENT.
- 2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID AND BRACED FOR SWAY.
- 3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET WITH A TRANSIT.
- 4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM.
- 5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS OTHERWISE REQUIRED. ANY DEVIATION FROM THE PROVIDED MATERIALS OR MOUNTING METHODS MUST BE DESIGNED AND DOCUMENTED BY THE STRUCTURAL ENGINEER OF RECORD. ALTERNATE MOUNTING MATERIALS (I.E. ANCHORS, THREADED ROD, BACKING PLATES, ETC.) MUST BE SUPPLIED BY THE CUSTOMER/CONTRACTOR. SIEMENS MAY REQUIRE ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN UTILIZING ALTERNATE MOUNTING MATERIALS.
- 6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.
- 7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.
- 8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.
- 9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALL, AND CEILING STRUCTURES IN ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL GOVERNING BUILDING CODES.
- 10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION. ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE CONTRACTOR.

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 - IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
 - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

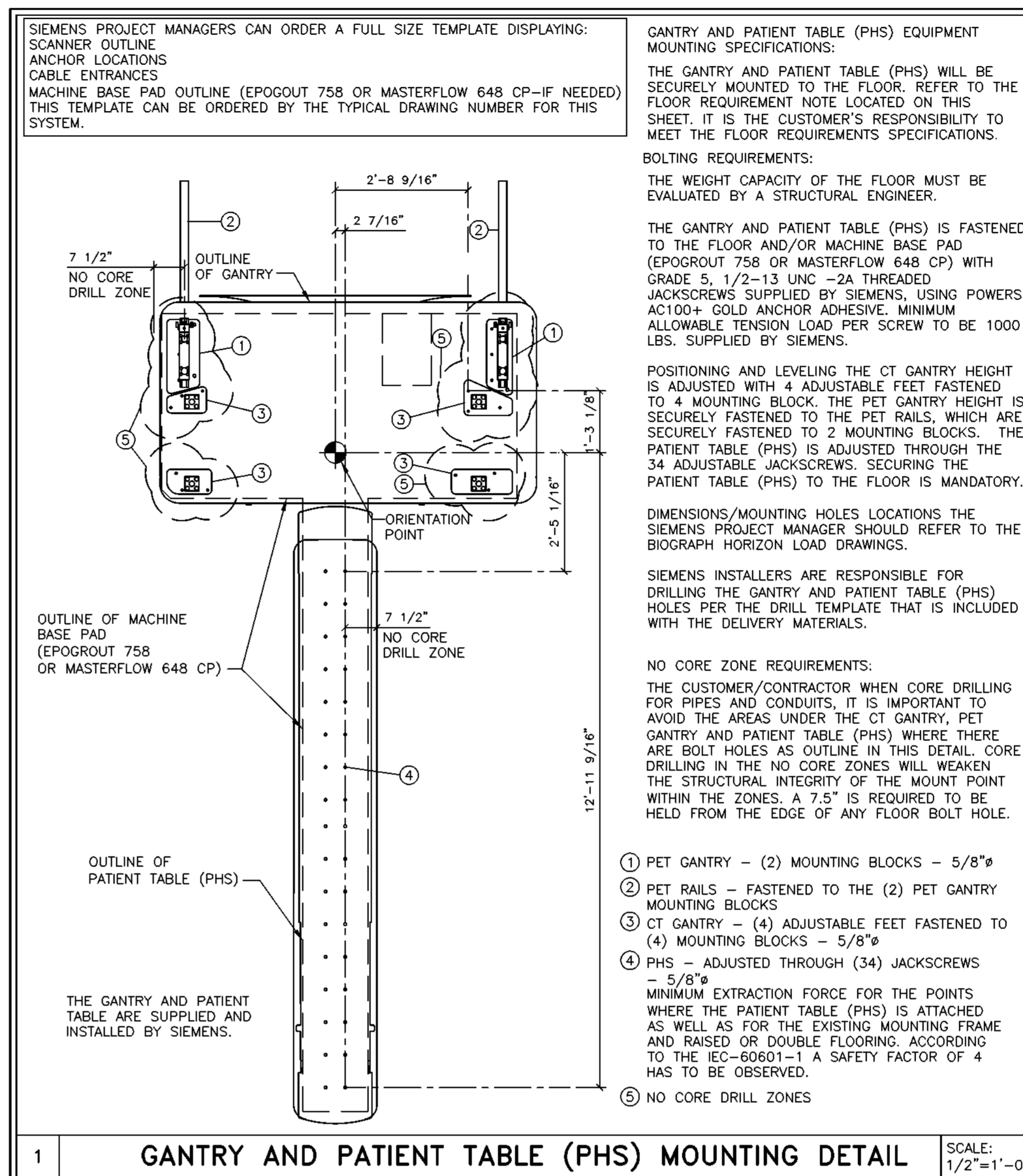
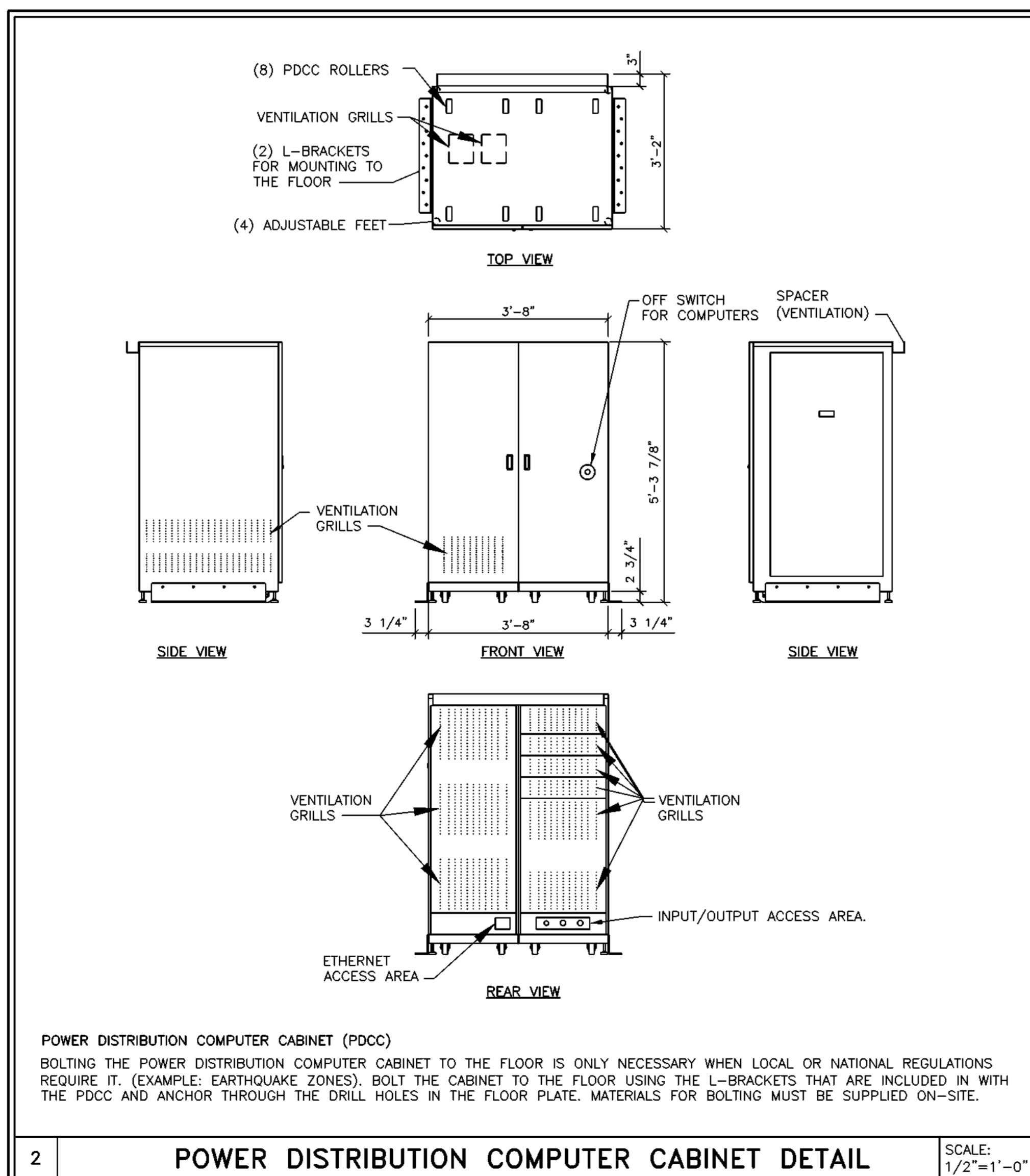
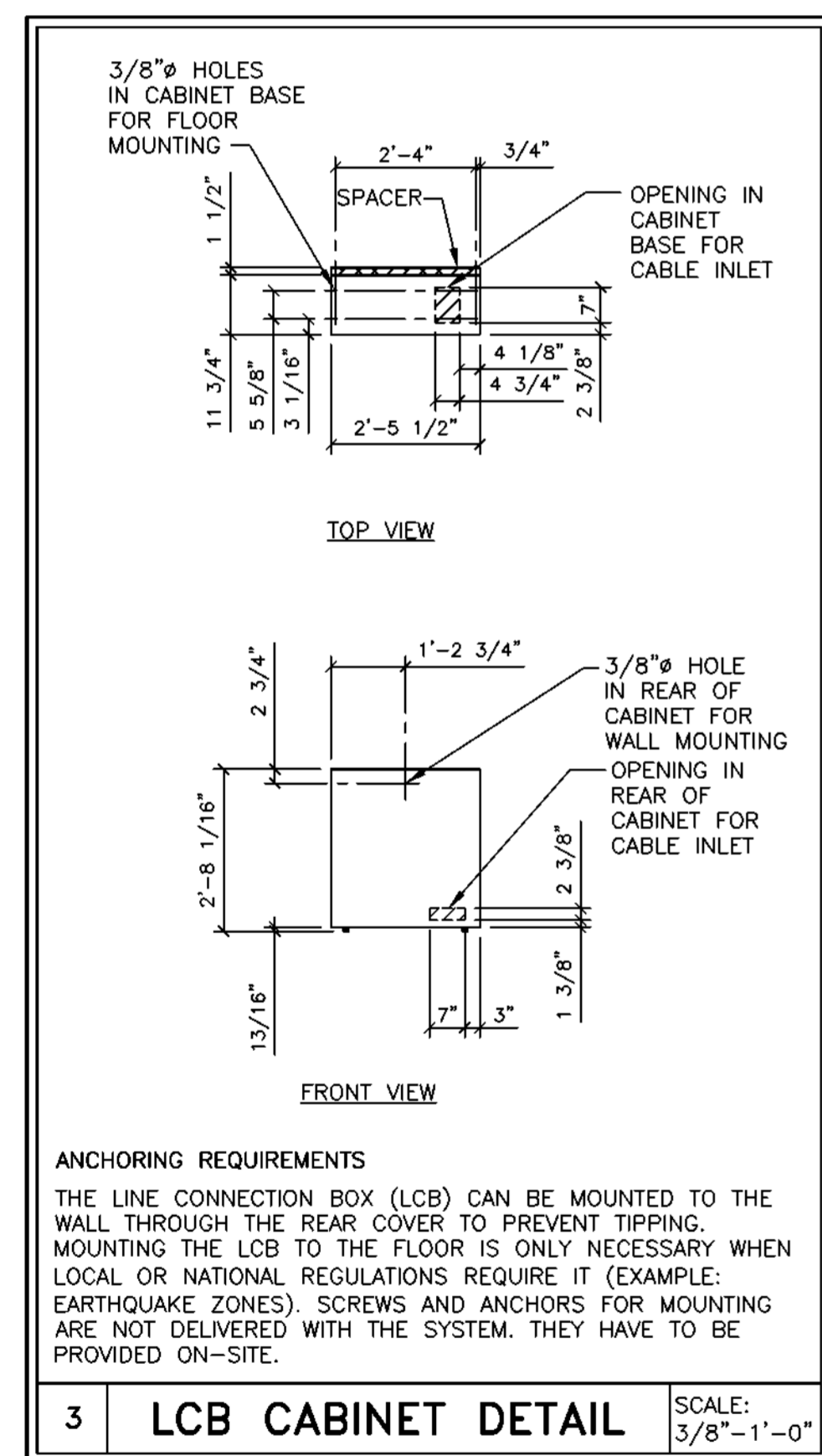
PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 FAX: (208)713-8562 EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS	
BATON ROUGE CARDIOLOGY CENTER			
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON			
PROJECT #: 2314523		SHEET: S-101	
DATE: 12/11/23		DRAWN BY: J. JACKSON	
SYMBOL: 12/11/23		DATE: 12/11/23	
DESCRIPTION: 2314523R(A) DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS		DATE: 12/11/23	
-ISSUE BLOCK-			
SCALE: AS NOTED		REF. #: 30271592	

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION



STRUCTURAL FLOOR PLAN

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



- STRUCTURAL NOTES**
- 1) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF THE SIEMENS EQUIPMENT.
 - 2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID AND BRACED FOR SWAY.
 - 3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET WITH A TRANSIT.
 - 4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM.
 - 5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS OTHERWISE REQUIRED. ANY DEVIATION FROM THE PROVIDED MATERIALS OR MOUNTING METHODS MUST BE DESIGNED AND DOCUMENTED BY THE STRUCTURAL ENGINEER OF RECORD. ALTERNATE MOUNTING MATERIALS (I.E. ANCHORS, THREADED ROD, BACKING PLATES, ETC.) MUST BE SUPPLIED BY THE CUSTOMER/CONTRACTOR. SIEMENS MAY REQUIRE ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN UTILIZING ALTERNATE MOUNTING MATERIALS.
 - 6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.
 - 7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.
 - 8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.
 - 9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALLS AND CEILING STRUCTURES IN ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL GOVERNING BUILDING CODES.
 - 10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION. ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE CONTRACTOR.

FINISHED ROOM HEIGHT

FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

SYM	DATE	DESCRIPTION
	12/15/23	2314526(A) DATED 12/01/23 APPROVED BY CUSTOMER FOR FINALS
-ISSUE BLOCK-		

PROJECT MANAGER: KYLE MARSCHNER
TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM

SIEMENS

BATON ROUGE CARDIOLOGY CENTER
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808
MI SCAN ROOM 2 - BIOGRAPH HORIZON

PROJECT #: **2314526** SHEET: **S-101**

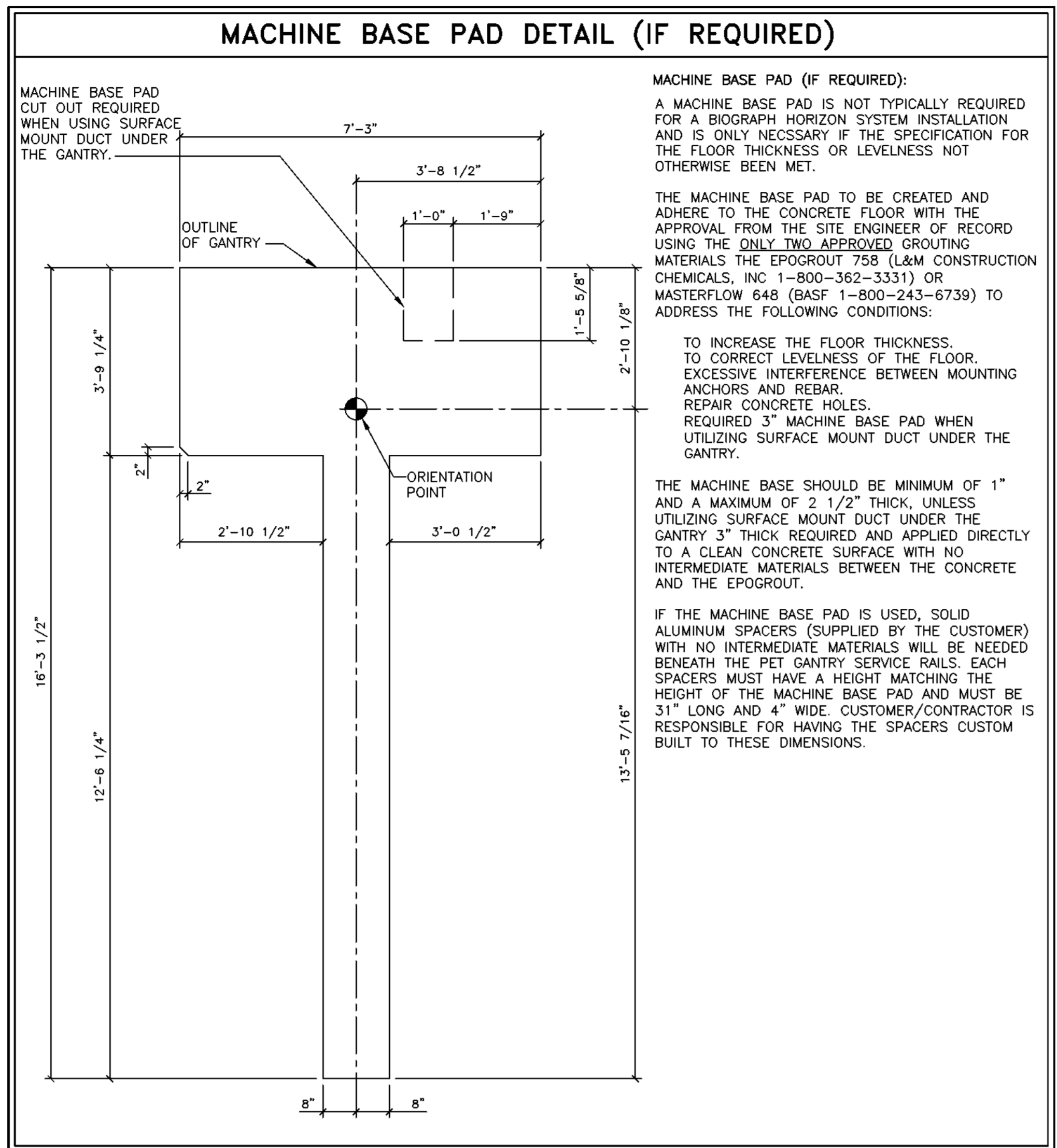
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SCALE: AS NOTED REF. #: 30271584 DATE: 12/15/23 DRAWN BY: J. JACKSON

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- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

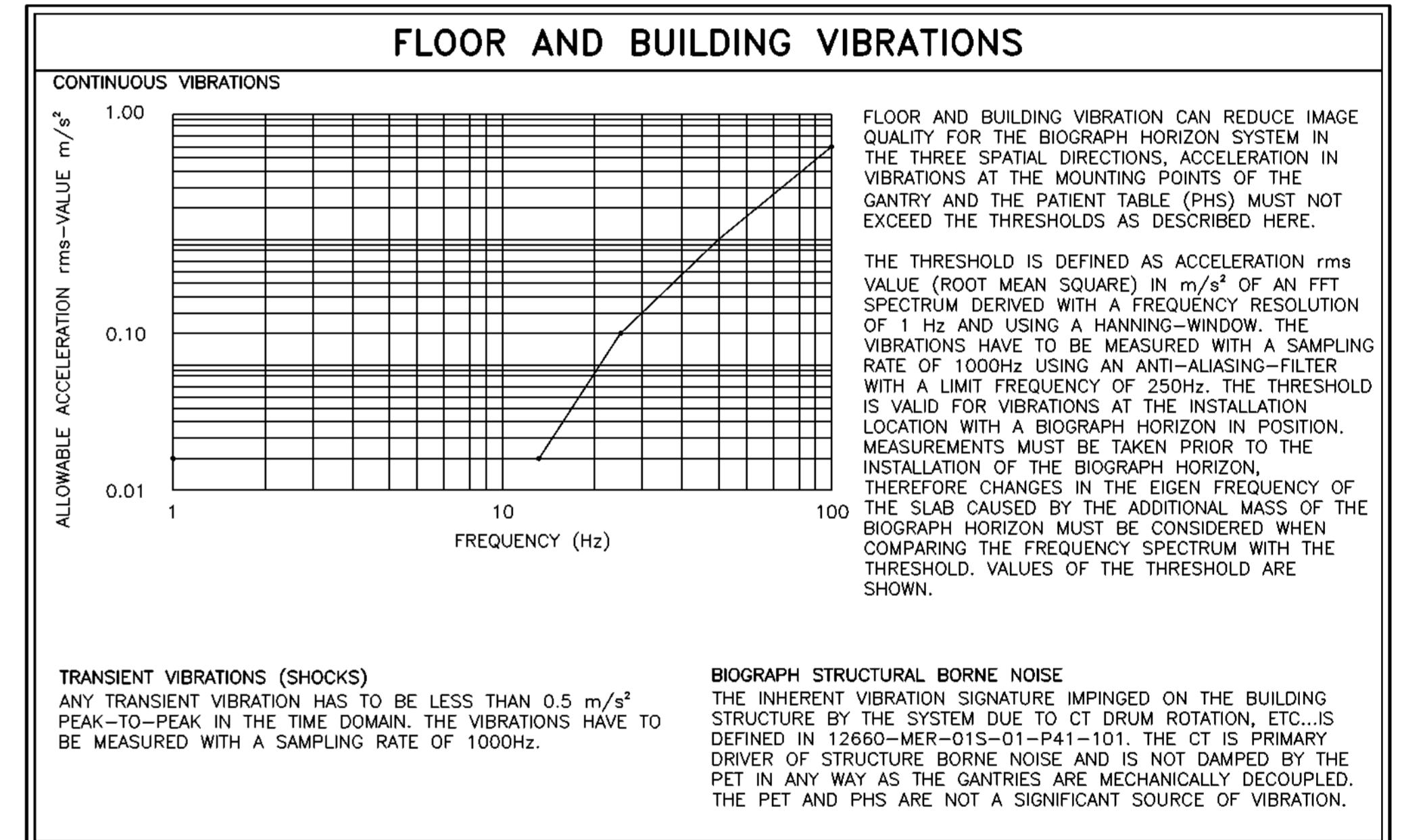
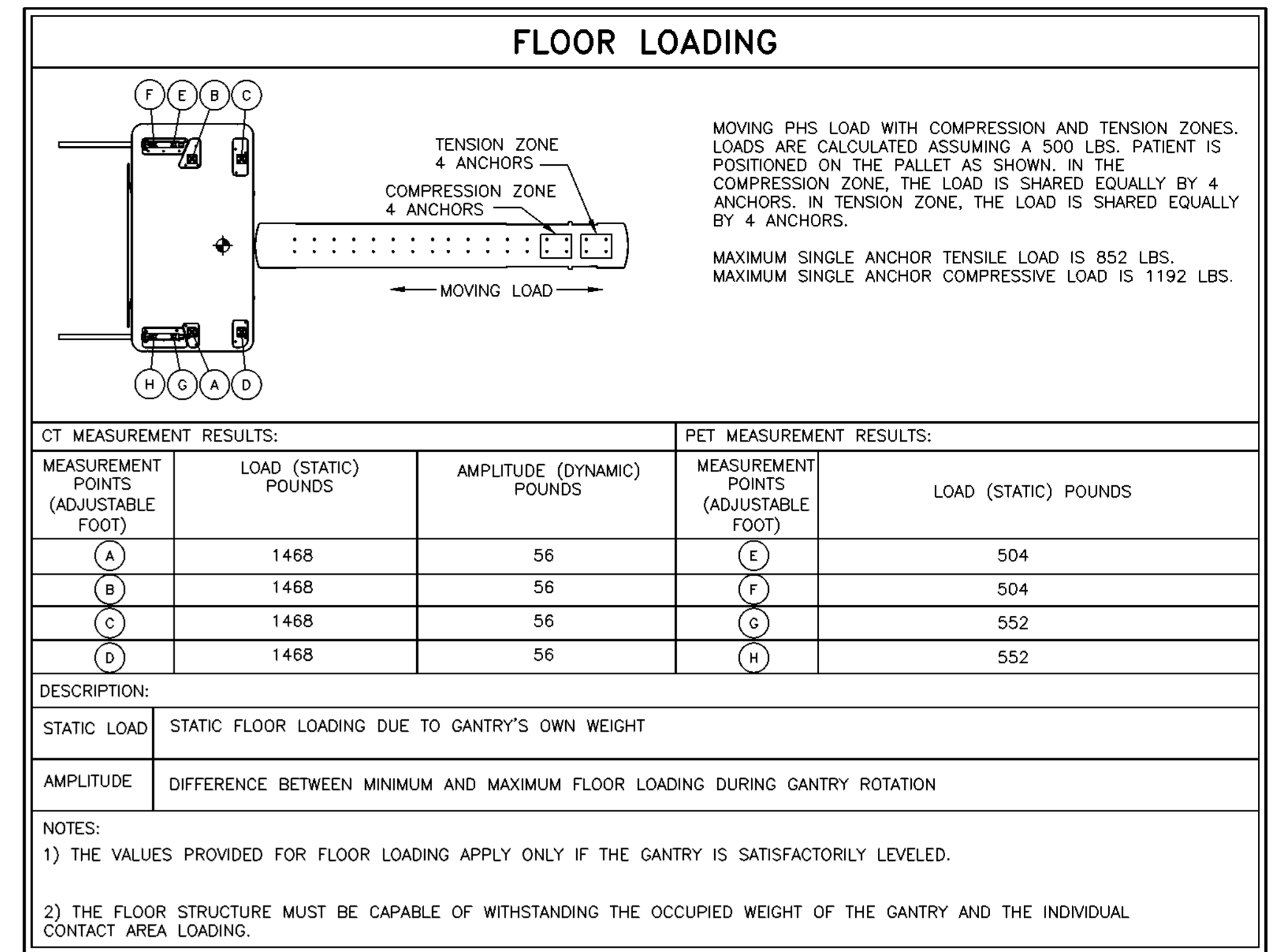


FLOOR REQUIREMENTS

THE ENGINEER OF RECORD OF THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT ALL WEIGHTS AND FORCES. THE ENGINEER OF RECORD FOR THE BUILDING AND SIEMENS ENGINEERING SHALL JOINTLY REVIEW DEVIATIONS FROM THE FOLLOWING REQUIREMENTS.

IT IS THE CUSTOMER'S RESPONSIBILITY TO CONTRACT A QUALIFIED SPECIALIST TO IMPLEMENT SITE MODIFICATIONS THAT MEET THESE SPECIFIC LIMITS AND TO DESIGN STRUCTURAL SOLUTIONS IN CASE OF DEVIATIONS.

- THE MINIMUM ALLOWABLE CONCRETE THICKNESS FOR NONSEISMIC REGIONS OF THE SCANNER ROOM FLOOR IS 4.5".
- THE CONDITIONS OF FLOORING, VIBRATION-FREE LOCATION, AND/OR INSTALLATION OF THE GANTRY AND PATIENT TABLE ONLY ON:
 - CONCRETE FLOORING
 - CONCRETE CLASS C20/25 TO C50/60 ACCORDING TO DIN 1045-1, DIN 1045-2
- ACCEPTABLE FLOOR STRUCTURAL MATERIALS FOR LOAD BEARING AREAS OF THE BIOGRAPH HORIZON GANTRY AND PHS ARE RESTRICTED TO CONCRETE, STEEL, OR HIGH AGGREGATE EPOXY GROUTS; SUCH AS EPOGROUT 758 OR MASTERFLOW 648. THE FLOOR STRUCTURE FOR THE LOAD BEARING AREAS SHALL NOT CONTAIN COMPLIANT MATERIALS THAT ARE SUBJECT TO MOVEMENT WITH THE PASSAGE OF TIME; SUCH AS LEAD, WOOD OR SAND/MORTAR MIXES.
- THE CONCRETE PROPERTIES:
 - COMPRESSIVE STRENGTHS: RECOMMENDED CONCRETE IS 28 MPa (4,000 psi); MINIMUM COMPRESSIVE STRENGTHS IS 20 MPa (2,900 psi).
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 - TO INCREASE THE FLOOR THICKNESS.
 - TO CORRECT LEVELNESS OF THE FLOOR.
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- THE ANCHOR PROPERTIES:
 - TENSION CAPABILITY: ALLOWABLE TENSION LOAD CAPABILITY FOR EMBEDDED CONCRETE ANCHORS SHALL BE GREATER THAN 1000.0 LB.
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 - MINIMUM EXTRACTION FORCE ACCORDING TO THE IEC 60601-1 SAFETY FACTOR OF 4 MUST BE OBSERVED.



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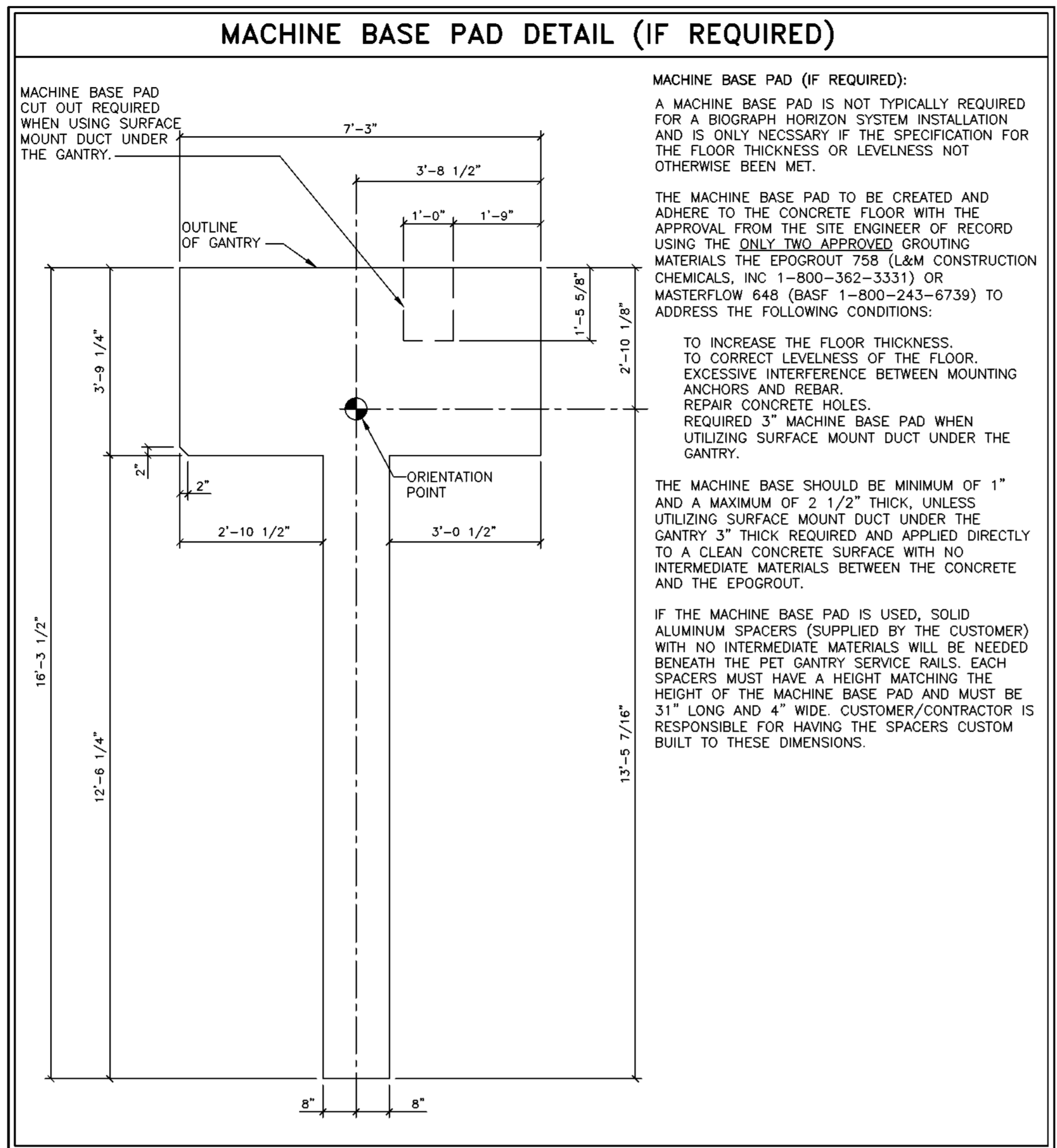
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PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 FAX: (208)713-8562 EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS	
BATON ROUGE CARDIOLOGY CENTER			
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON			
PROJECT #: 2314523		SHEET: S-501	
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ALL RIGHTS ARE RESERVED.		DATE: 12/11/23	
SCALE: AS NOTED		REF. #: 30271592	

SYM	DATE	DESCRIPTION
12/11/23	2314523R(A)	DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS
-ISSUE BLOCK-		

BIOGRAPH HORIZON
REV 22

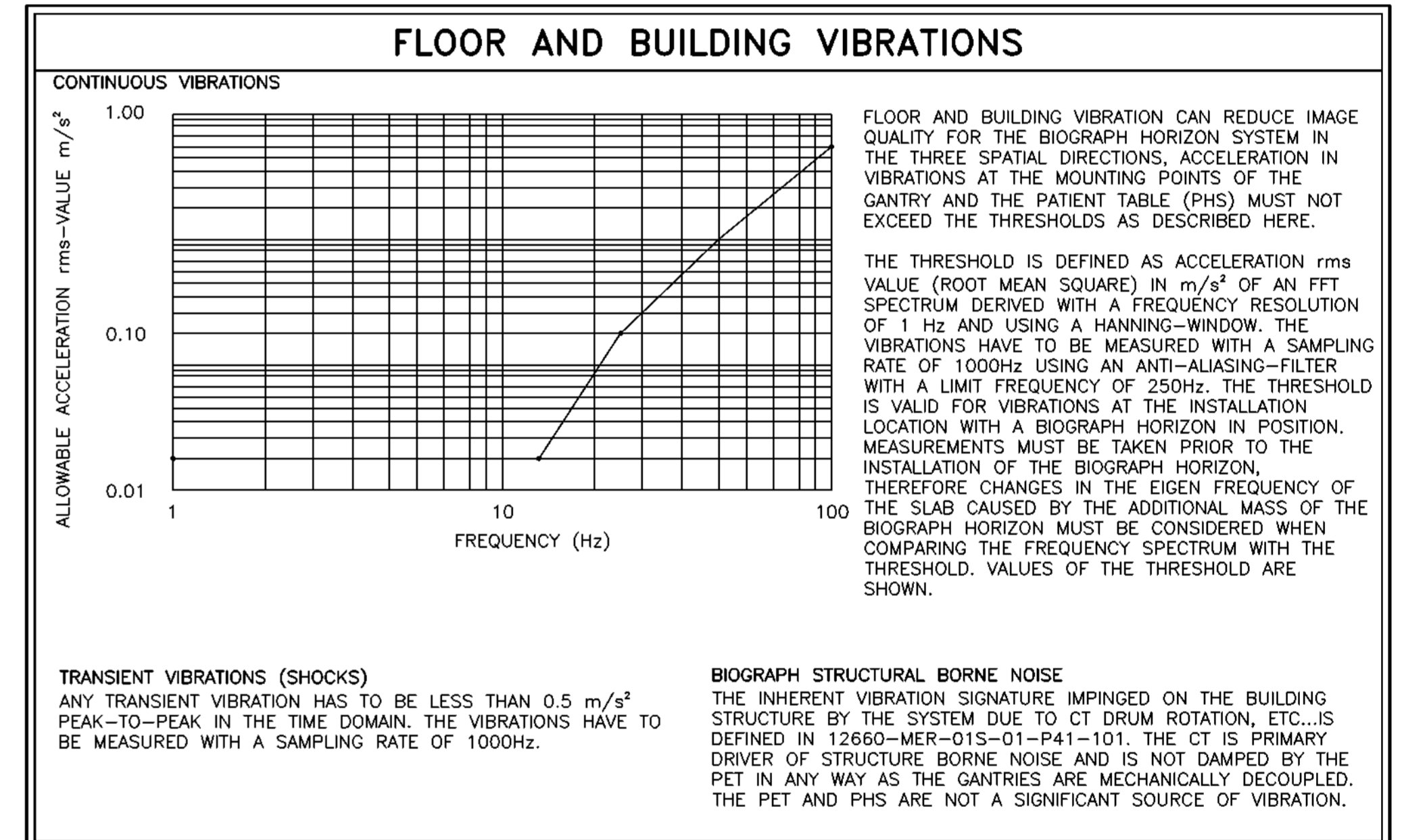
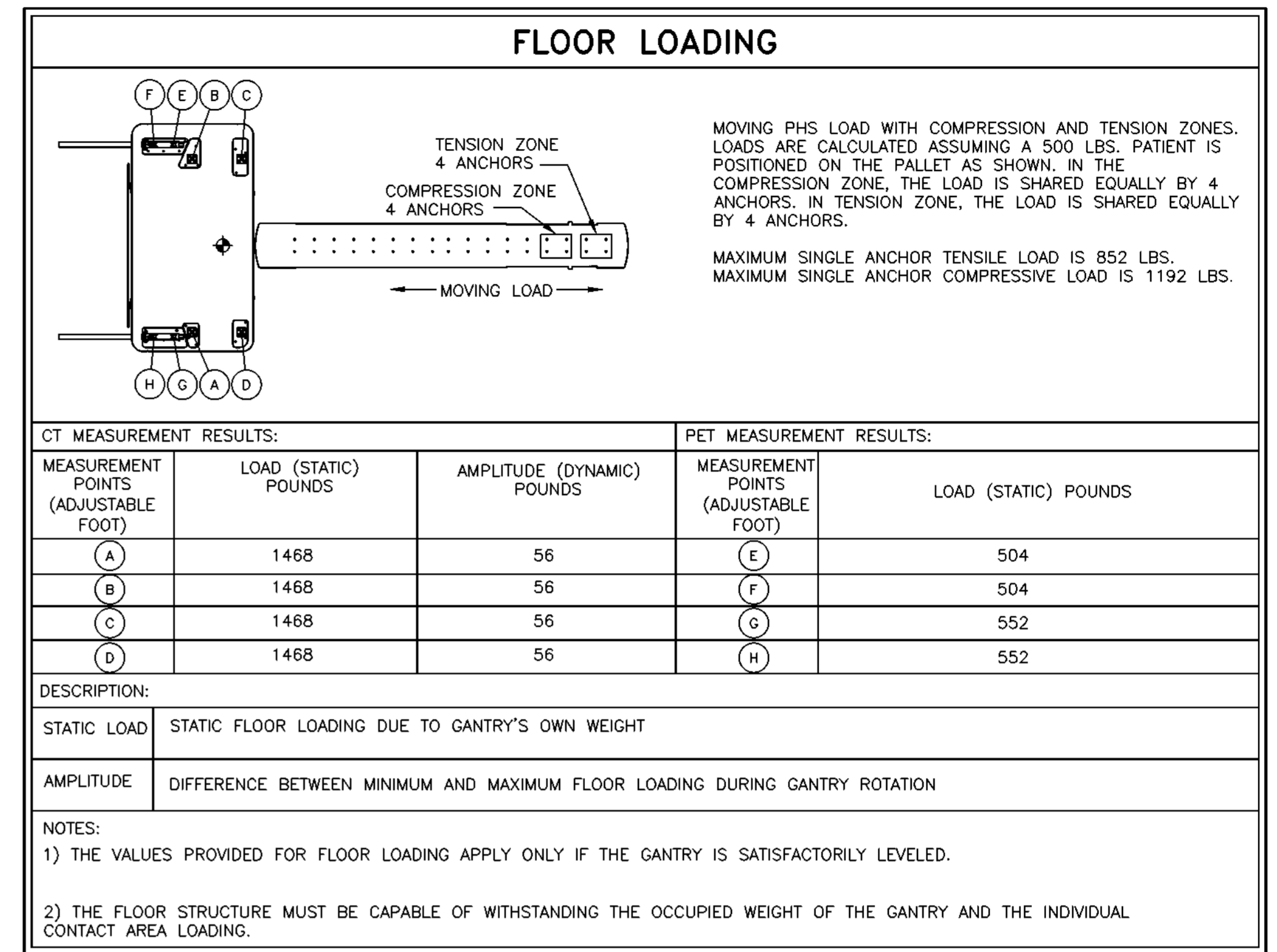


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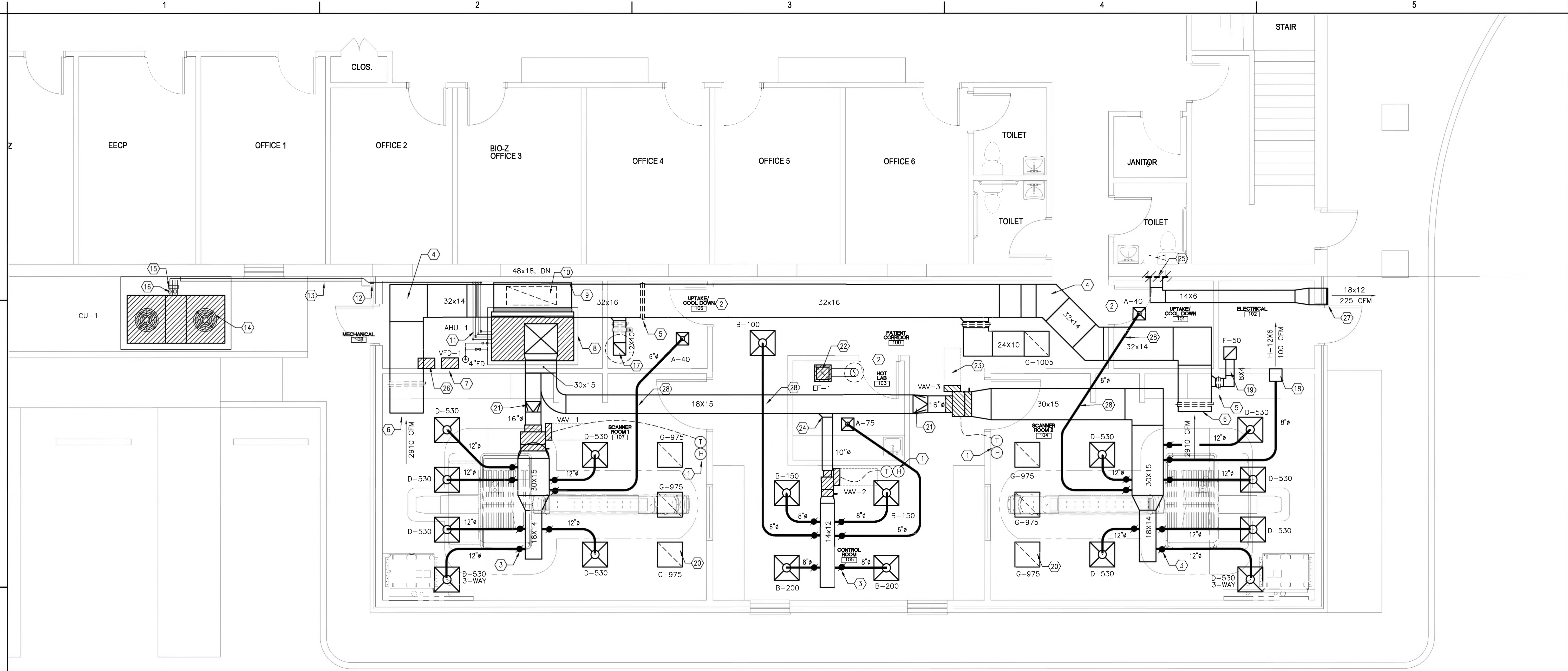
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PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS BATON ROUGE CARDIOLOGY CENTER 5231 BRITTANY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON	
PROJECT #: 2314526		SHEET: S-501	
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ALL RIGHTS ARE RESERVED.		DATE: 12/15/23	
SCALE: AS NOTED		REF. #: 30271584	

SYM	DATE	DESCRIPTION
△	12/15/23	2314526(A) DATED 12/01/23 APPROVED BY CUSTOMER FOR FINALS
-ISSUE BLOCK-		

BIOGRAPH HORIZON REV 22



1 OVERALL ADDITION/RENOVATION FLOOR PLAN - MECHANICAL

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

EXISTING PARKING DRIVE

- MECHANICAL PLAN KEYNOTES:**
- Ⓐ CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT SCOPE AND CONSTRAINTS, UTILITY CONNECTIONS, AND ALL BUILDING SERVICES PRIOR TO SUBMITTING BID. EXISTING DRAWINGS ARE BASED ON EXISTING RECORD DRAWINGS PROVIDED BY THE OWNER, AND MAY OR MAY NOT REFLECT EXACTLY WHAT WAS INSTALLED IN THE FIELD, THE CONTRACTOR SHALL TAKE THIS IN CONSIDERATION AND INCLUDE ANY ADDITIONAL COST DUE IN BID TO THE ACTUAL INSTALLATION.
 - Ⓑ CEILING SPACE ABOVE THE TWO (2) SCANNER ROOMS ARE TO BE UTILIZED AS RETURN AIR PLENUM, CONTRACTOR TO SEAL ALL AROUND WALL CONNECTION TO ROOF DECK AND AROUND ALL WALL PENETRATIONS.

MECHANICAL PLAN KEYNOTES:

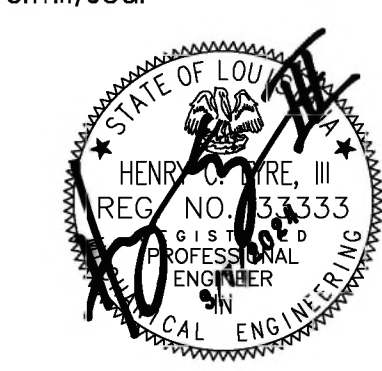
- ① THERMOSTAT AND HUMIDISTAT WHERE SHOWN. THERMOSTAT SHOWN FOR DIAGRAMMATICAL PURPOSES ONLY. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT ON ALL ARTWORK, WHITE BOARDS, ELECTRICAL PANELS, ETC. FOR CONFLICTS, IF THERMOSTAT IS RELOCATED PROVIDE NEW LOCATION TO MECHANICAL ENGINEER FOR APPROVAL.
- ② CONTRACTOR TO UNDERCUT DOOR MINIMUM 3/4" FOR RETURN AIR.
- ③ 45° LOW LOSS BRANCH DUCT TAP CONNECTION WITH DAMPER (FLEXMASTER MODEL ST0DB03), DAMPER CONSTRUCTED OF MINIMUM 26 GAUGE GALVANIZED STEEL. THE DAMPER SHALL HAVE A 2" RAISED HANDLE WITH A HIGH QUALITY LOCKING QUADRANT. A 3/8" CONTINUOUS ROD WITH "U" BOLTS CONNECTS THE DAMPER TO THE ROD. NYLON END BEARINGS ARE REQUIRED WHERE THE ROD PENETRATES THE BARREL. TYPICAL ALL BRANCH DUCTS.
- ④ TURNING VANES, TYPICAL ALL TURNS 30° AND GREATER. RE: TO TYPICAL DETAIL.
- ⑤ MANUAL VOLUME BALANCING DAMPER, TYPICAL, ADJUSTABLE AND LOCKABLE. REFER TO DETAIL NO. 3 ON SHEET M3.1.
- ⑥ RETURN AIR DUCT OPEN TO SPACE ABOVE CEILING, CEILING ABOVE PET SCANNER ROOM TO BE UTILIZED AS RETURN AIR PLENUM.
- ⑦ VARIABLE SPEED DRIVE "VFD-1" FOR AHU-1.
- ⑧ VERTICAL AIR HANDLING UNIT IN MECHANICAL ROOM. PROVIDE RETURN AIR DUCT AS SHOWN, DOWN TO FULL SIZE PLENUM OF RETURN AIR OPENING OF UNIT. PROVIDE AUXILIARY DRAIN PAN WITH INLINE FLOAT SWITCH SCREWED INTO AUXILIARY DRAIN CONNECTION AT AIR HANDLING UNIT CABINET, RESPECTIVE CONDENSING UNIT TO DE-ENERGIZE WHEN RESPECTIVE FLOAT SWITCH IS TRIPPED. AUXILIARY DRAIN PAN TO ALSO BE EQUIPPED WITH SEPARATE DRAIN LINE (WITH ISOLATION VALVE IN CLOSED POSITION) CONNECTED TO CONDENSATE DRAIN LINE. CONDENSATE DRAIN LINE TO BE FIELD ROUTED AND CONNECTED TO FLOOR DRAIN, RE: PLUMBING DRAWINGS.
- ⑨ RETURN AIR PLENUM, SAME SIZE AS UNIT OPENING, LENGTH AS REQUIRED, EXTERNALLY INSULATE.
- ⑩ 48X18 RETURN AIR DUCT DOWN FROM RETURN AIR DUCT AND CONNECT TO RETURN AIR PLENUM.
- ⑪ TWO (2) SETS REFRIGERANT LINES, FIELD ROUTE TO WALL, TURN DOWN TO WITHIN 12" OF FINISHED FLOOR AND ROUTE TO EXTERIOR WALL, REFRIGERANT LINES TO BE STACKED, ANCHOR TO WALL.
- ⑫ REFRIGERANT WALL PENETRATION, SEAL WATER TIGHT.
- ⑬ REFRIGERANT LINES (STACKED, ROUTE ALONG EXTERIOR WALL TO CONDENSING UNIT. CONTRACTOR TO PROVIDE SHEET METAL COVER. SHEET METAL COVER TO BE PAINTED TO MATCH EXTERIOR WALL.
- ⑭ CONDENSING UNIT ON CONCRETE REINFORCED EQUIPMENT PAD, SIZED AS REQUIRED. HOUSEKEEPING PAD TO BE A MINIMUM 6" ALL AROUND CONDENSING UNIT & SHALL BE CONTINUOUS TO THE BUILDING, RE: DETAIL NO. 2, SHEET M3.2.
- ⑮ REFRIGERANT PIPE SUPPORT, RE: DETAIL NO. 5 AND 6, SHEET M3.1.
- ⑯ REFRIGERANT DRIER, TYPICAL BOTH CIRCUITS.
- ⑰ 12X12 OUTSIDE AIR DUCT UP THROUGH ROOF TO ROOF MOUNTED INTAKE HOOD WITH PRE-FABRICATED ROOF CURB, RE: DETAIL NO. 1, SHEET M3.2.
- ⑱ 12X6X12 SUPPLY AIR PLENUM WITH 12X6 SIDEWALL GRILLE THROUGH WALL, SEAL WALL PENETRATION AIR TIGHT.
- ⑲ 12X4 RETURN AIR DUCT THROUGH WALL, SEAL WALL PENETRATION AIR TIGHT.
- ⑳ RETURN AIR GRILLE WITH PLENUM BOOT, TYPICAL ALL RETURN AIR GRILLES LOCATED IN THE TWO (2) SCANNER ROOMS, RE: DETAIL NO. 3, SHEET M3.2.
- ㉑ RECTANGULAR/SQUARE TRANSITION TO ROUND, TYPICAL.
- ㉒ CABINET EXHAUST FAN, "EF-1", REFER TO DETAIL NO. 10 SHEET M3.1, TRANSITION AND ELBOW UP AND ROUTE EXHAUST DUCT AS SHOWN TO ROOF MOUNTED EXHAUST CAP. PROVIDE SPRING LOADED BACKDRAFT DAMPER AT DISCHARGE OF EXHAUST FAN. MAINTAIN 10'-0" FROM ANY AND ALL FRESH AIR INLETS. INSULATE ENTIRE EXHAUST SYSTEM AS PER SPECIFICATIONS.
- ㉓ VAV REQUIRED SERVICE CLEARANCE, TYPICAL ALL VAV UNITS.
- ㉔ VAV AIR DUCT CONNECT TO MAIN TRUNK, RE: DETAIL NO. 6, SHEET M3.2.
- ㉕ EXISTING EXHAUST LOUVER TO BE REMOVED. CONTRACTOR TO TRANSITION EXISTING EXHAUST DUCT TO 12X6 EXHAUST DUCT EXTENSION. CONTRACTOR TO VERIFY SIZE OF EXISTING DUCT PRIOR TO ANY CONSTRUCTION.
- ㉖ TEMPERATURE CONTROL PANEL, PROVIDE SEPARATE 120 VOLT, 20 AMP CIRCUIT.
- ㉗ 18X12 EXTERIOR WEATHERPROOF LOUVER, SEAL ALL AROUND, COLOR OD LOUVER BY ARCHITECT.
- ㉘ OFFSET BRANCH DUCT AROUND TRUNK DUCT AS REQUIRED.



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Consultant

Revision	By	Date



Permit/Seal

Client/Project
PET Scan Addition to BRCC

5231 BRITANNY DRIVE BATON ROUGE, LA 70808

Project No.: 222706047
File Name: 22292644-1
Scale: AS SHOWN
HCE Dwn. Dgn. Chkd. 2024.02.27

Title
MECHANICAL FLOOR PLAN

Revision: Sheet: 1 of 1
Drawing No.

M1.1

AIR DISTRIBUTION DEVICE SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL NO., MANUFACTURER, MODEL NO., C.F.M., SUPPLY, RETURN, EXHAUST, O.A., REGISTER, GRILLE, DIFFUSER, DOOR GR., LOUVER, CEILING, WALL/DR., NECK SIZE, FACE SIZE, MATERIAL, FINISH, O.B.D., SECTORIZING BAFFLE, REMARKS. Includes rows A through H.

AIR DISTRIBUTION DEVICE NOTES:

- REFER TO ARCH FOR CEILING TYPE, CONTRACTOR TO PROVIDE AND INSTALL PLASTER FRAME FOR GYPSUM BOARD CEILING INSTALLATION. 1. ALL GRILLES, REGISTERS, DIFFUSERS, ETC. TO COME WITH WHITE FINISH UNLESS OTHERWISE SPECIFIED BY ARCHITECT IN FIELD DURING CONSTRUCTION. FINISH SHOULD BE SUITABLE FOR PAINTING WITHOUT ANY ADDITIONAL PREPARATION. 2. NOT ALL MARKS NECESSARILY FOUND ON THE PLANS. 3. ALL LINEAR DIFFUSERS TO COME WITH FACTORY INSTALLED INTERNALLY LINED PLENUMS WITH SLOPED SHOULDERS ON REAR. 4. ALL GRILLES SHALL BE ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED ON DRAWINGS. 5. MANUFACTURERS MODEL NUMBER REPRESENTS QUALITY OF EQUIPMENT TO BE INSTALLED, THIS PROJECT. 6. PERFORMANCE DATA FOR ALL GRILLES, LINEARS, DIFFUSERS, ETC. MUST BE SUBMITTED TO ENGINEER BEFORE PRIOR APPROVAL IS AWARDED. 7. ALL DIFFUSERS/GRILLES/REGISTERS LOCATED IN ACOUSTICAL CEILING TILE ASSEMBLY TO HAVE PANEL THE SAME SIZE OF THE GRID (12x12 FACE DIFFUSER IN 24x24 GRID TO BE IN 24x24 PANEL). 8. FIGURE IN BID SQUARE TO ROUND TRANSITION FOR ALL SQUARE NECK GRILLES/DIFFUSERS FOR CONNECTION TO ROUND BRANCH DUCTS. 9. FIGURE IN BID CUSTOM COLOR FOR ALL AIR DEVICES NOTED TO "RE: ARCH". ARCHITECT TO SELECT COLOR DURING SUBMITTAL PROCESS.

VAV UNIT SCHEDULE

Table with columns: VAV SECTION, HEATING SECTION, UNIT NUMBER, INLET SIZE, COOLING CFM, MAX. P.D., MIN. % CFM SET POINT, MBH HEATING, KW, NO. STAGES, ELECTRIC SERVICE, E.A.T. D.B., L.A.T. D.B., REMARKS. Includes rows VAV-1, VAV-2, VAV-3.

VAV BOX SCHEDULE NOTES:

- 1. THESE CONTROL DEVICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMENDATIONS. THIS CONTR. SHALL RETAIN THE SERVICES OF A FACTORY AUTHORIZED SPECIALIST IN THESE CONTROLS FOR A FACTORY START-UP AFTER THE INSTALLATION IS COMPLETE. THE PURPOSES OF PREPARING ALL SHOP DRAWINGS (WIRING DIAGRAMS, CUT-SHEETS, ETC.). CONTR. SHALL HAVE THE CONTROLS SPECIALIST REVIEW THE INSTALLATION DURING THE CONSTRUCTION. 2. WHERE ONLY ONE RIGID ROUND BRANCH DUCT IS SHOWN FROM VAV BOX TO DIFFUSER CONTRACTOR SHALL SUPPLY FACTORY INSTALL ROUND DISCHARGE COLLAR (PRICE MODEL RDC) FOR DISCHARGE OF VAV BOX, REFER TO DRAWINGS. 3. ALL VAV BOXES TO HAVE 1" FIBER FREE INSULATION; DOUBLEWALL (1" FIBERGLASS WITH SOLID METAL LINER) ACCEPTABLE. 4. CONTRACTOR TO PROVIDE ACCESS PANEL IN CEILING FOR EVERY VAV BOX LOCATED ABOVE HARD GYPSUM CEILING. ACCESS PANELS ARE TO BE FULL SIZE OF VAV BOX IN ORDER TO ALLOW ACCESS VAV BOXES. 5. TRANE, NAILOR, METALAIRE, ENVIRONMENTAL TECHNOLOGIES (ETI), KRUEGER, & TITUS - APPROVED MANUFACTURERS. 6. ALL VAV BOXES SHALL BE EQUIPPED WITH 50 VA TRANSFORMER IN VAV BOX FOR CONTROLS. 7. MAXIMUM HEIGHT OF VAV BOX 18".

EXHAUST FAN SCHEDULE

Table with columns: UNIT NO., LOCATION, SERVICE, C.F.M., E.S.P. I.W.G., TYPE, DRIVE, FAN R.P.M., MAX. SONES, MOTOR DATA (H.P., WATTS, VOLTS, PH. HZ., R.P.M., ENCL.), WEIGHT (LBS.), REMARKS, CONTROLLED BY. Includes row EF-1.

- 1. PROVIDE ALL EXHAUST FANS WITH BACKDRAFT DAMPERS AND INTERGAL DISCONNECTS. 2. CO-ORDINATE WITH ELECTRICAL CONTRACTOR ON CONNECTION OF FAN, REFER TO SCHEDULES. 3. APPROVED MANUFACTURERS: TWIN CITY, COOK, PENNBARRY. 4. MANUFACTURERS MODEL NUMBER REPRESENTS QUALITY OF EQUIPMENT TO BE INSTALLED, THIS PROJECT. 5. ALL FANS TO HAVE INSULATED FAN HOUSINGS. 6. ALL FANS SHALL BE ALL ALUMINUM CONSTRUCTION (FAN HOUSING, ETC.). 7. SOME FANS APPEAR MORE THAN ONCE IN PROJECT, REFER TO DRAWINGS. 8. ALL ROOF CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ROOFING MANUFACTURER AS TO MAINTAIN ALL WARRANTIES. COORDINATE WITH ROOFING SUPPLIER & GENERAL CONTRACTOR PRIOR TO BID. 8. PROVIDE SPEED CONTROLLERS AT ALL DIRECT DRIVE FANS FOR AIR BALANCING. 9. CONTRACTOR SHALL SUPPLY ALL REQUIRED PULLEY'S & SHEAVES AS TO BALANCE AIR TO SPECIFIED CFM. PROVIDE ADDITIONAL PULLEY'S AND SHEAVES AS REQUIRED. 10. ALL REMOTE START/STOP SWITCHES THAT CONTROL EXHAUST FANS SHALL HAVE A PILOT LIGHT. 11. PROVIDE STEP UP TRANSFORMER (BY UNIT MANUFACTURER, SIZED FOR FAN ONLY) FOR ALL FANS INTERCONNECTED WITH LIGHTS. 12. PROVIDE PRE-FABRICATED ROOF CURBS FOR ALL ROOF MOUNTED EXHAUST/SUPPLY FANS.

- REQUIRED FAN ACCESSORIES: 1. MOTORS WITH THERMAL OVERLOAD 2. UL 507 LISTED 3. FAN SPEED CONTROLLER FACTORY MOUNTED AND WIRED INSIDE FAN HOUSING 4. INSULATED FAN HOUSING 5. DESIGNER GRILLE WITH FACTORY MOUNTED AND WIRED MOTION DETECTOR 6. HANGING ISOLATION KIT

AIR HANDLING UNIT SCHEDULE

Table with columns: UNIT NO., FAN DATA, MOTOR DATA, REFRIGERANT COIL DATA, ELEC. HEAT DATA, ELECTRICAL (SINGLE POINT CONN.), CONDENSATE DRAIN LINE, WEIGHT (LBS.), MANUFACTURER, MODEL #. Includes row AHU-1.

- GENERAL NOTES: 1. PROVIDE WITH LOW AMBIENT CONTROL KIT (DOWN TO 30 DEG F) FOR FIELD INSTALLATION. 2. PROVIDE WITH SINGLE POINT POWER KIT FOR FIELD INSTALLATION. 3. PROVIDED WITH FREEZE STAT FOR FIELD. 4. PROVIDED WITH CIRCUIT BREAKERS AND CIRCUIT BREAKER COVER KIT FOR FIELD INSTALLATION. 5. PROVIDED WITH LN COMFORTSENSE 7500 T-STAT. 6. PROVIDED WITH INDOOR BLOWER OFF DELAY RELAY. 7. EXT. S.P. DOES NOT INCLUDE DIRTY FILTER LOSS. 8. ALL CONDENSATE DRAIN LINES TO BE RIGID INSULATED COPPER. 9. PROVIDE 16GA, G90 GALVANIZED STEEL AUXILIARY DRAIN PANS (SEAMLESS) WITH FLOAT SWITCH (RESPECTIVE CONDENSING UNIT TO DE-ENERGIZE WHEN FLOAT SWITCH IS TRIPPED). 10. PROVIDE DEHUMIDIFICATION RELAY KIT.

AIR COOLED CONDENSING UNIT SCHEDULE

Table with columns: UNIT NO., TONS OF REFR., COMPR. MOTOR DATA, COMPRESSOR DATA, CONDENSER DATA, UNIT WIRING DATA, WEIGHT (LBS.), REMARKS. Includes row CU-1.

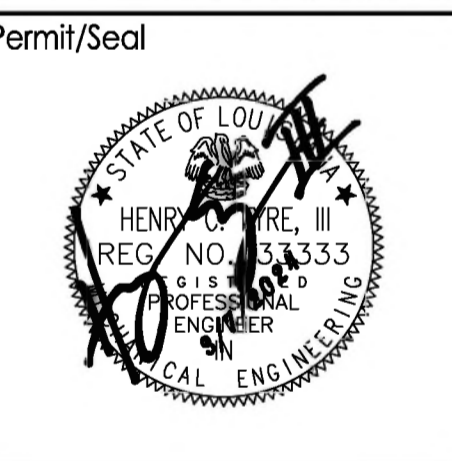
- GENERAL NOTES: 1. LIQUID & SUCTION LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATION FOR ALL ACCESSORIES. 2. PROVIDE WITH FIELD INSTALLED HAIL GUARDS. 3. PROVIDE SUCTION ACCUMULATORS. 4. PROVIDED WITH FACTORY INSTALLED CRANKCASE HEATER. 5. PROVIDED WITH COIL GUARD.



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Revision table with columns: Revision, By, Apprd, Issued. Includes row YYYT.MJDD.



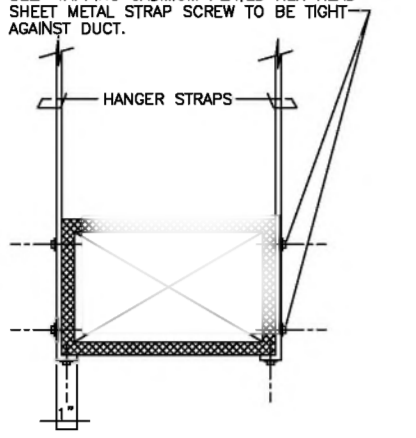
Client/Project: PET Scan Addition to BRCC
Project No.: 222706047
File Name: 22309644-1
Scale: AS SHOWN
Date: 2024.02.27
Title: MECHANICAL SCHEDULES
Revision: Sheet: 1 of 1
Drawing No. M2.1
5231 BRITANNY DRIVE BATON ROUGE, LA 70808
EYRE ENGINEERING

HANGER SUPPORT SCHEDULE

MAX. SPACING	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30'	1"x1/8" GAGE STRIP	1/8"x1/8"	10'-0"
36'	1/4" ROUND ROD	2"x2 1/2"	8'-0"
48'	1/4" ROUND ROD	2"x2 1/2"	8'-0"
60'	5/8" ROUND ROD	2"x2 1/2"	8'-0"
84'	3/8" ROUND ROD	2"x2 1/2"	8'-0"

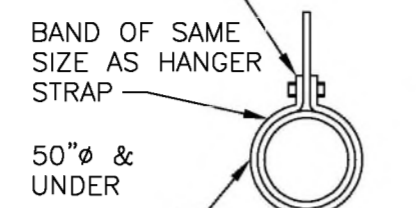
NOTE: REFER TO SPECIFICATIONS FOR INSULATION TYPE

NO POP RIVETS ALLOWED

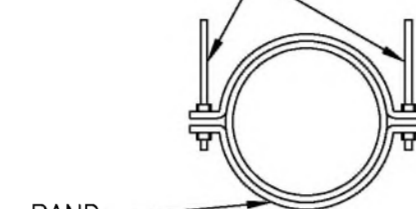


GENERAL NOTES:
1. REFER TO ARCH DRAWINGS FOR STRUCTURE OF BUILDING.

LOAD RATED FASTENERS

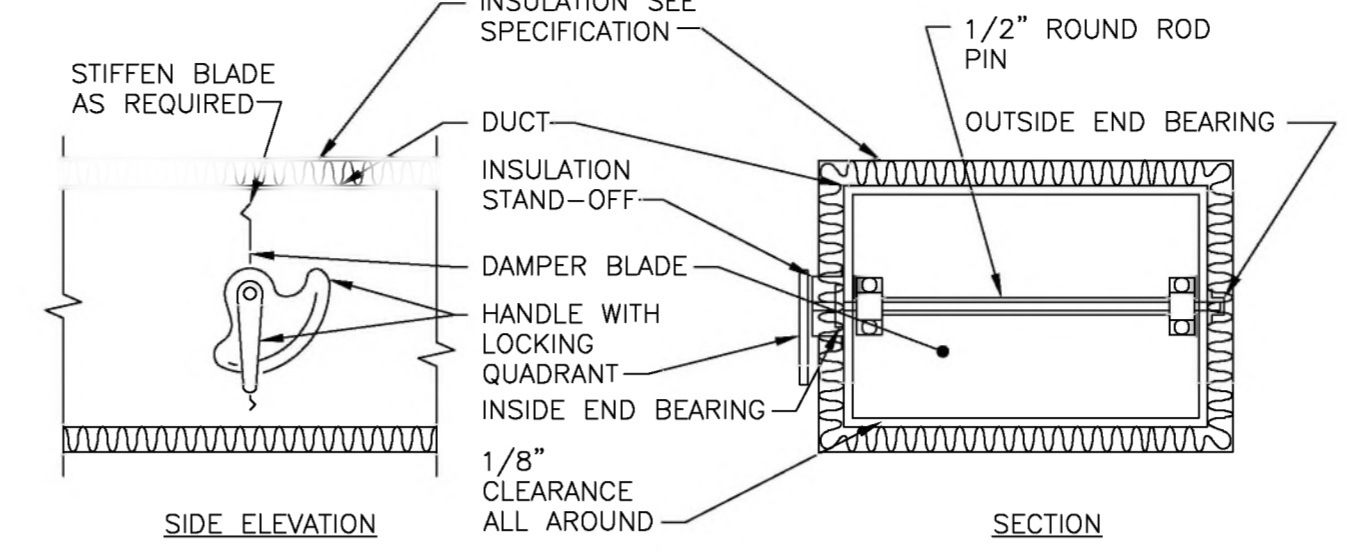


HANGER RODS

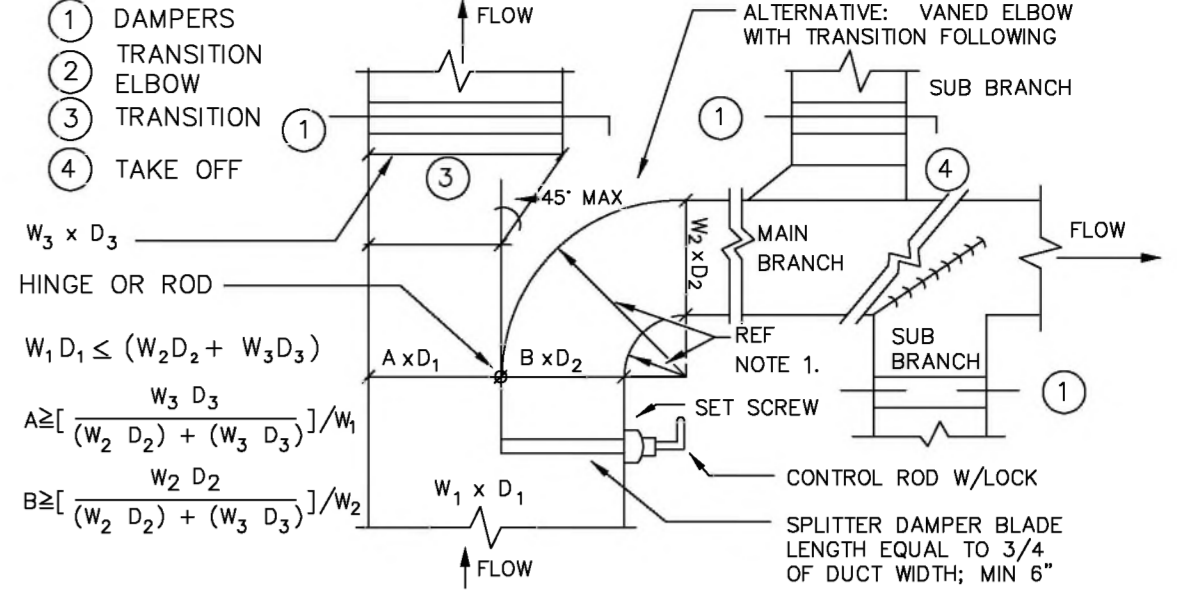


HANGER STRAPS OR RODS			
MAX. DUCT Ø IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA STRAP	260	144
36	ONE 1 x 18 GA STRAP	420	144
50	ONE 1 x 16 GA STRAP	700	144
60	TWO 3/8 Ø RODS	1320	144
84	TWO 1/2 Ø RODS	2500	144

NOTE: TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.



NOTES:
1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS
4. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
5. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.



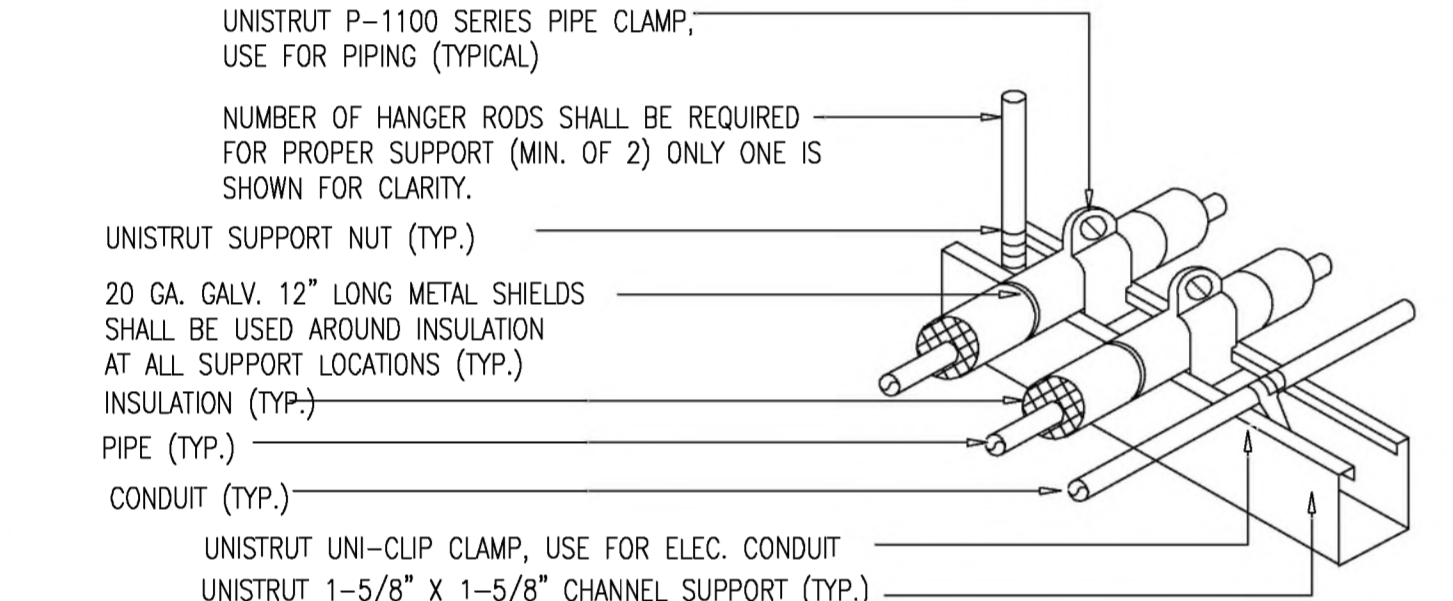
NOTES:
1. R₁ & R₂ ARE RESPECTIVELY 1.75 AND 0.75 OF THE GREATER OF B OR W
2. SUPPLY DUCT CAN BE EXTERNALLY OR INTERNALLY INSULATED. EXHAUST AND RETURN AIR DUCTS EXTERNALLY INSULATED ONLY
3. INSTALLATION TO COMPLY WITH ALL SMACNA STANDARDS

1 DETAIL - RECTANGULAR DUCTWORK SUPPORTS, TYP.

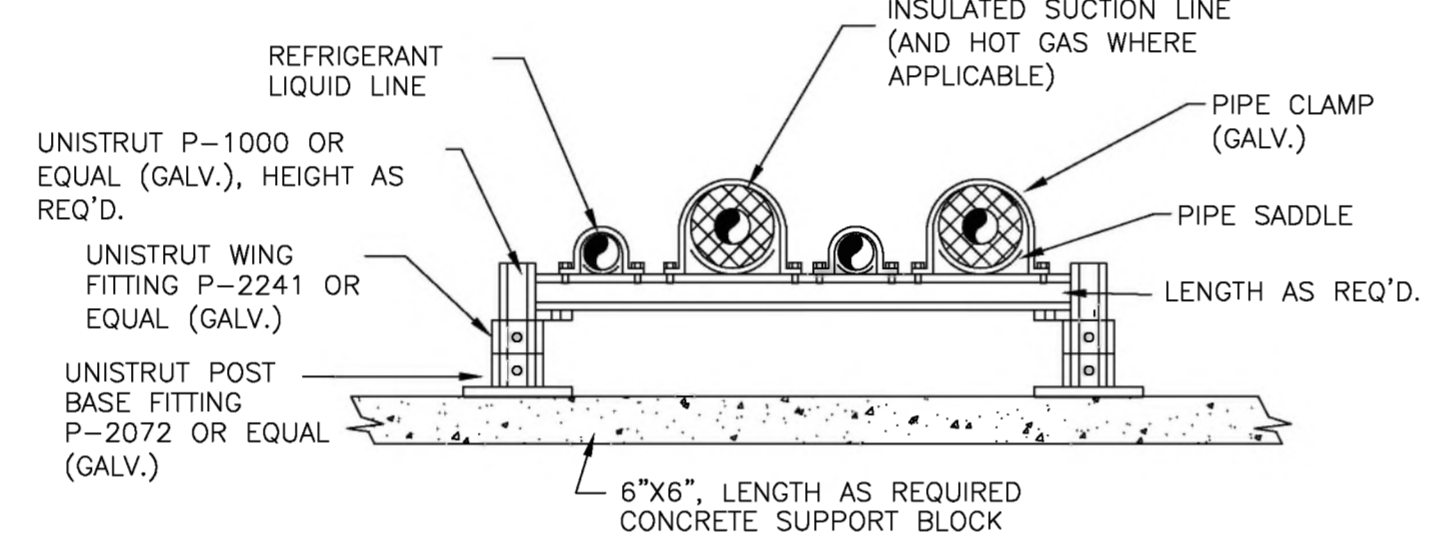
2 DETAIL - ROUND DUCT SUPPORTS

3 DETAIL - MANUAL VOLUME DAMPER, TYP.

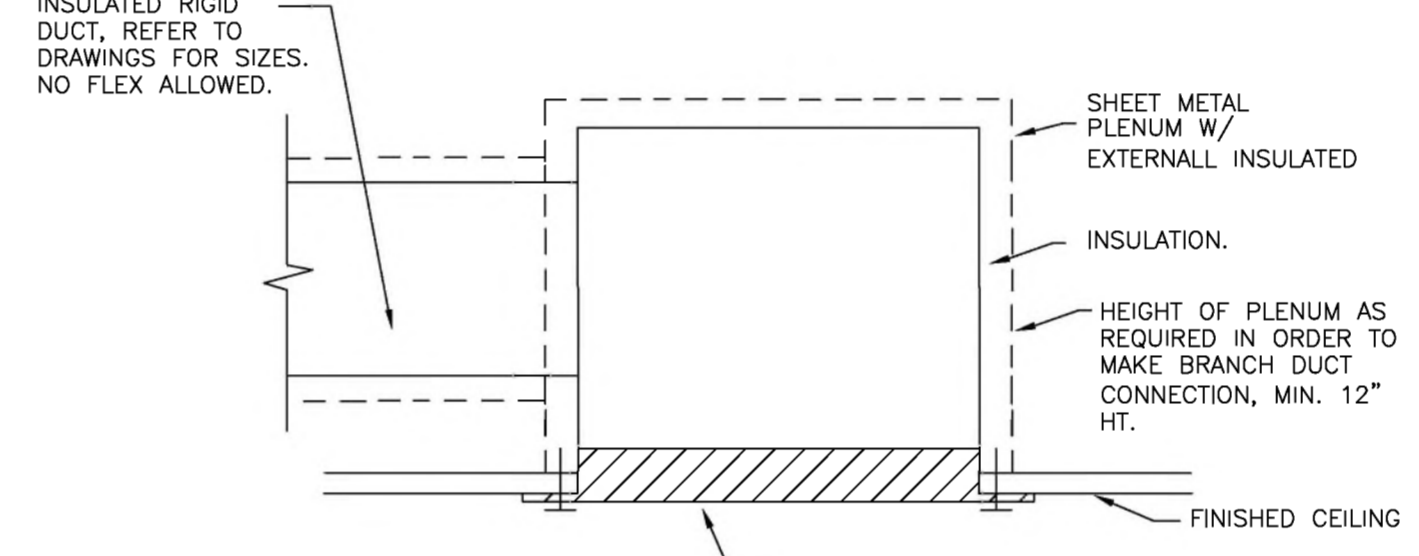
4 DETAIL - SUPPLY AIR DUCT TAKEOFFS, TYP.



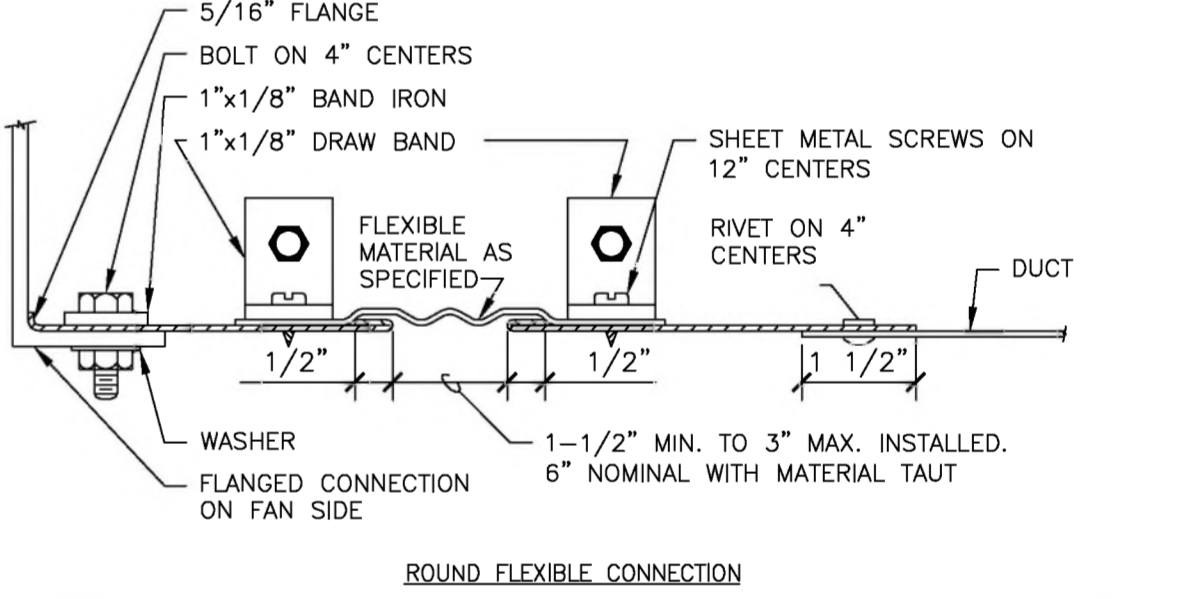
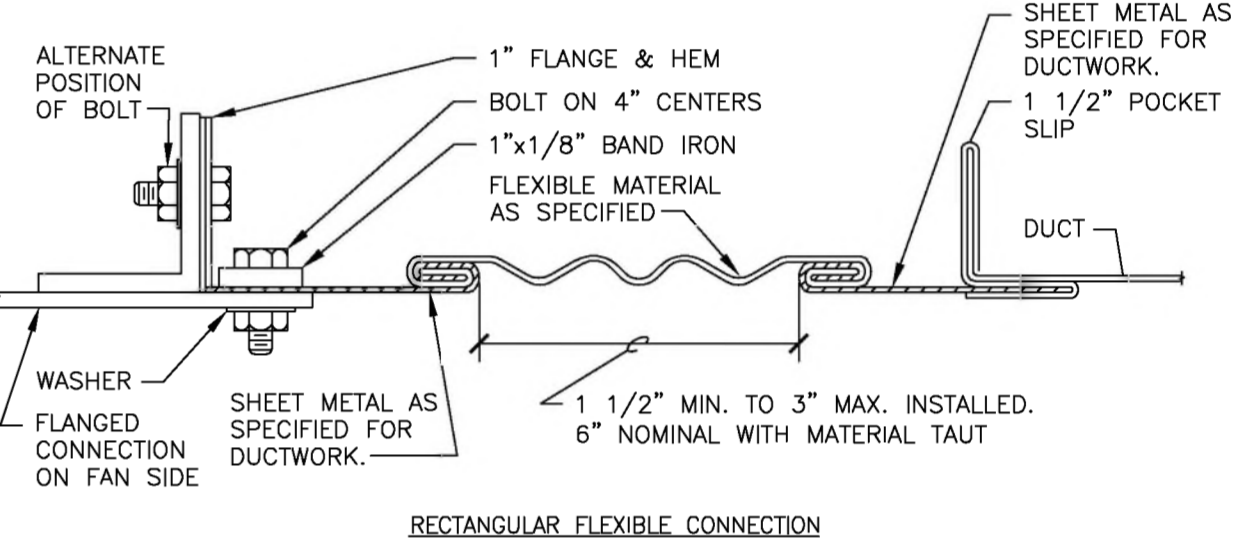
NOTES:
1. ALL PIPE CONDUIT, ETC. OF ALL TRADES SHALL BE COMBINED ON SAME SUPPORT CHANNEL WHERE PRACTICAL.
2. SUPPORT CHANNEL LENGTH SHALL NOT BE DETERMINED UNTIL ALL PIPING, CONDUIT, ETC. TO BE SUPPORTED IS COORDINATED.
3. SUPPORT CHANNEL SPACING SHALL BE NO MORE THAN 10'-0"



NOTES:
1. PROVIDE THIS MOUNTING AT 4'-0" C/C MAXIMUM & AT EACH CHANGE OF PIPING DIRECTION.
2. UNISTRUT SHALL ALSO SUPPORT ELECTRICAL CONDUIT TO CONDENSING UNITS.
3. IF NUMBER OF PIPES/CONDUIT EXCEED 5, CONTRACTOR SHALL STACK UNISTRUT AND SUPPORT ACCORDINGLY.
4. NEOPRENE SLEEVES SHALL SEPARATE GALVANIZED PIPE CLAMPS FROM COPPER REFRIGERANT PIPING IN ORDER TO PREVENT CORROSION.



GENERAL NOTES:
1. RETURN AIR AND EXHAUST AIR DUCT CONNECTIONS SIMILAR.
2. CONNECTION ON TOP SIMILAR.

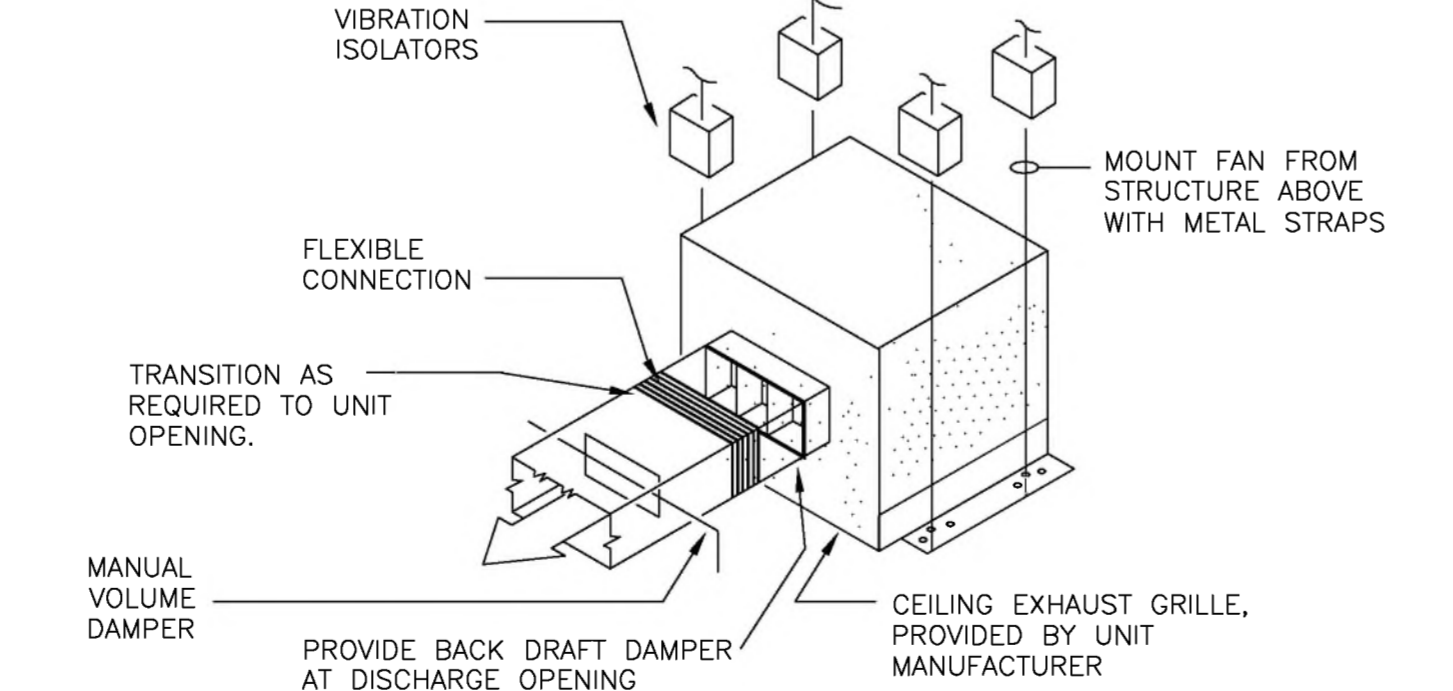
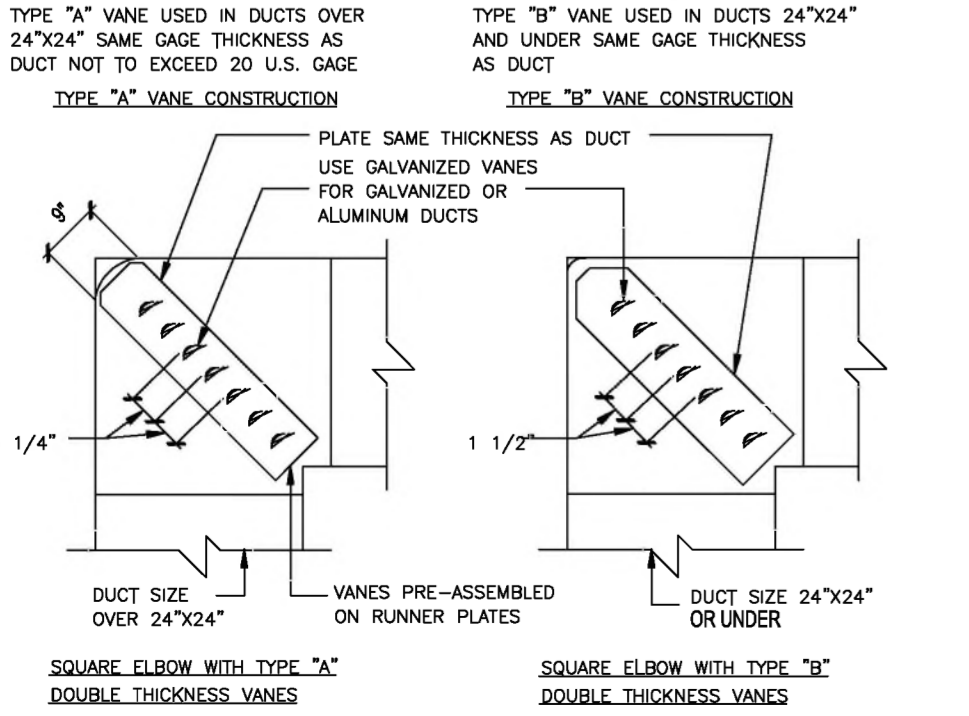
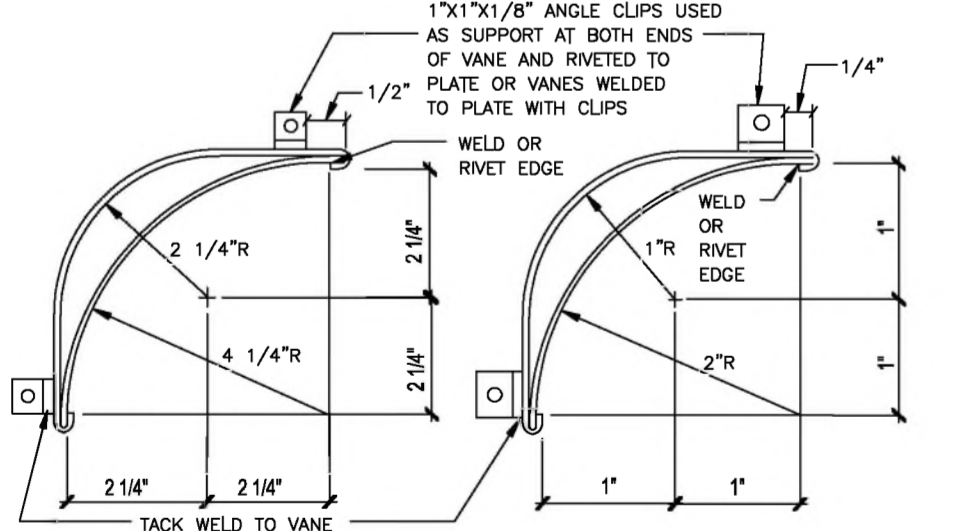


5 DETAIL - SUSPENDED REFRIGERANT LINES, TYP.

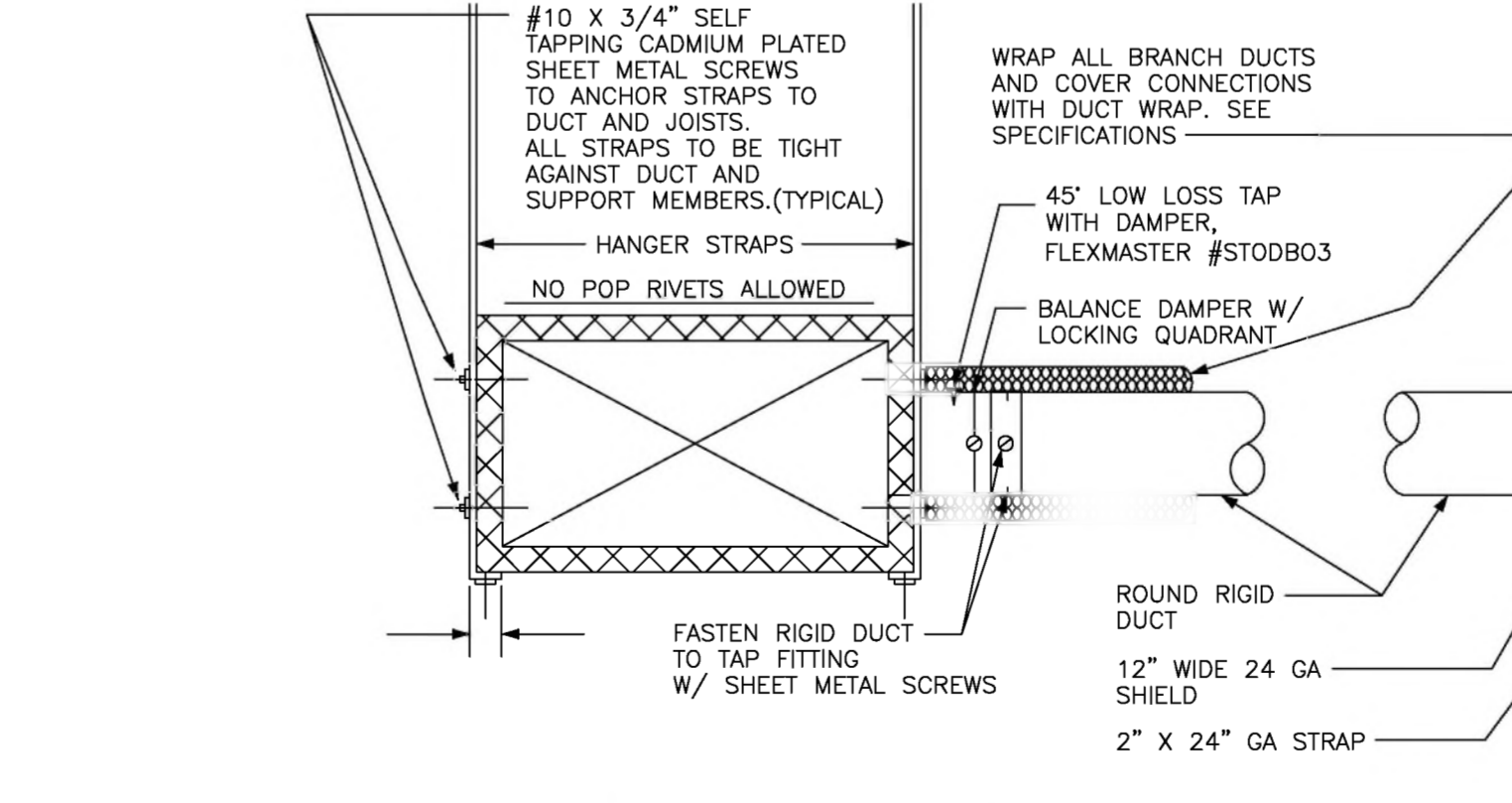
6 DETAIL - REFRIGERANT GRADE SUPPORTS, TYPICAL

7 DETAIL - RETURN/EXHAUST PLENUM CONNECTIONS, TYP.

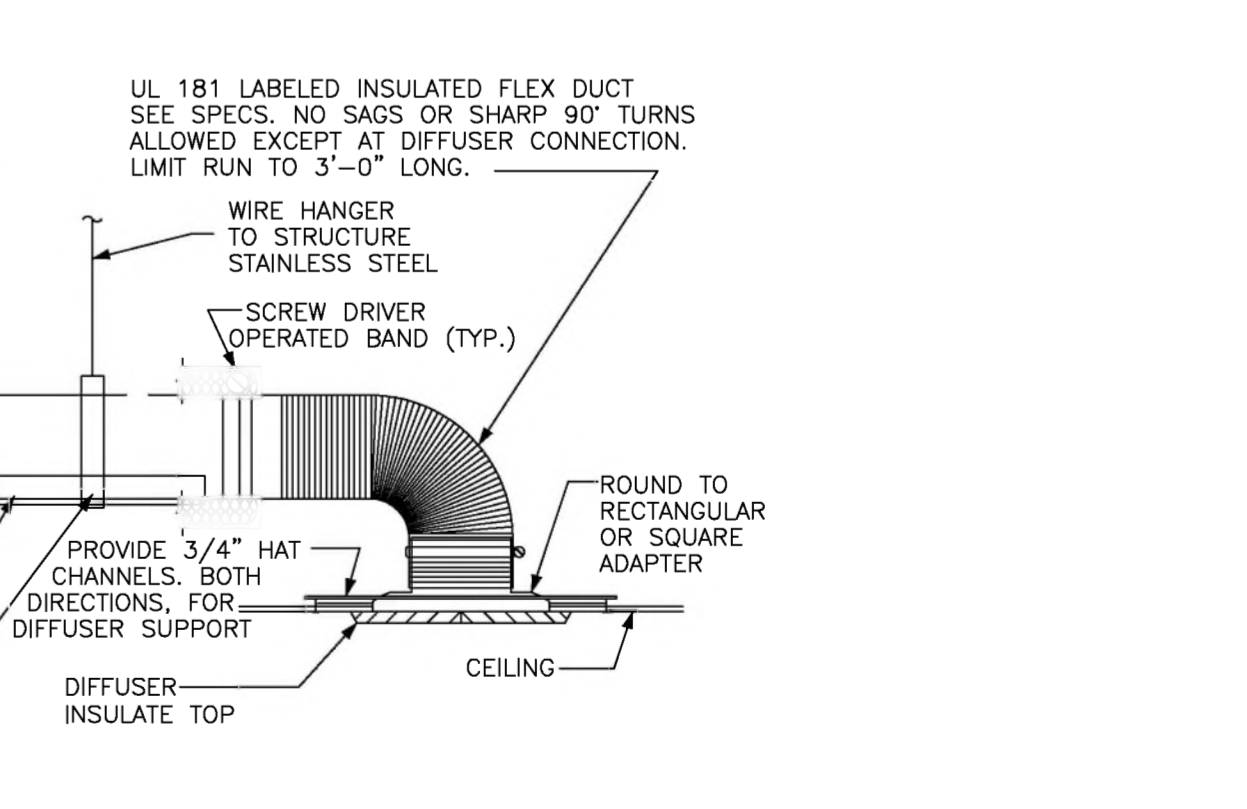
8 DETAIL - FLEXIBLE CONECTORS, TYP.



GENERAL NOTE:
1. ALL CABINET TYPE FANS TO COME WITH FACTORY INSTALLED ALUMINUM GRILLE. COLOR OF GRILLE TO BE WHITE.
2. MECHANICAL CONTRACTOR TO PROVIDE FACTORY MOUNTED SPEED CONTROLLER FOR AIR BALANCING AT EVERY CABINET TYPE EXHAUST FAN.



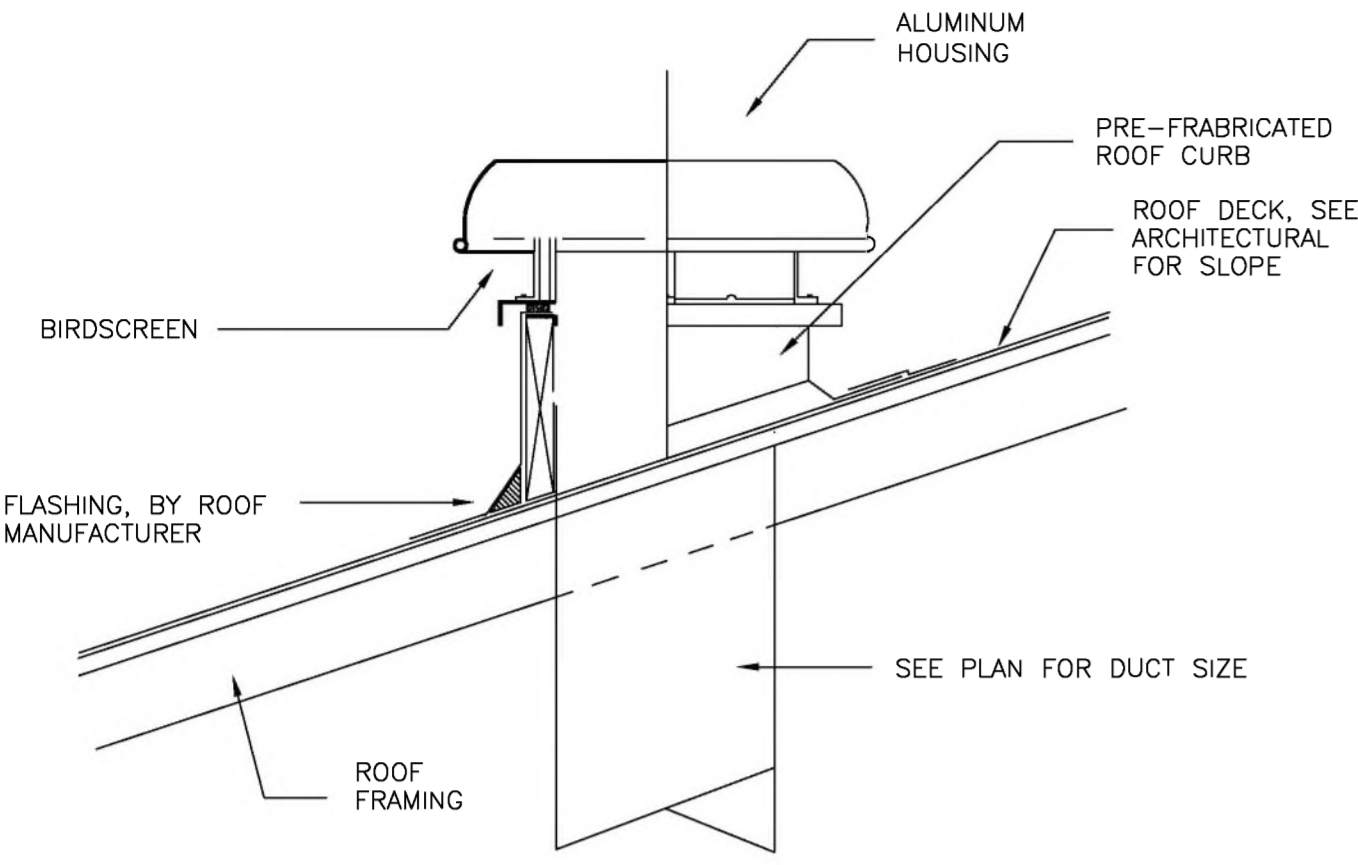
NOTE:
1. IN AREAS WHERE FIRE DAMPERS ARE REQUIRED PROVIDE DEEP ROUND TO RECTANGULAR OR SQUARE ADAPTER AND BUILD GYPSUM BOARD ENCLOSURE.
NOTE:
1. PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS. MINIMUM OF TWO SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTHS.
*ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS IN METALLIC AND NONMETALLIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS- METAL AND FLEXIBLE AND NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, LIQUID SEALANTS OR TAPES. CLOSURE SYSTEMS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED '181A-F' FOR PRESSURE-SENSITIVE TAPE, '181A-M' FOR MASTIC OR '181A-H' FOR HEAT-SENSITIVE TAPE. CLOSURE SYSTEMS USED TO SEAL FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED '181B-FX' FOR PRESSURE-SENSITIVE TAPE OR '181B-M' FOR MASTIC. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. MECHANICAL FASTENERS FOR USE WITH FLEXIBLE NONMETALLIC AIR DUCTS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED '181B-C'. CLOSURE SYSTEMS USED TO SEAL METAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. UNLISTED DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY DUCT.



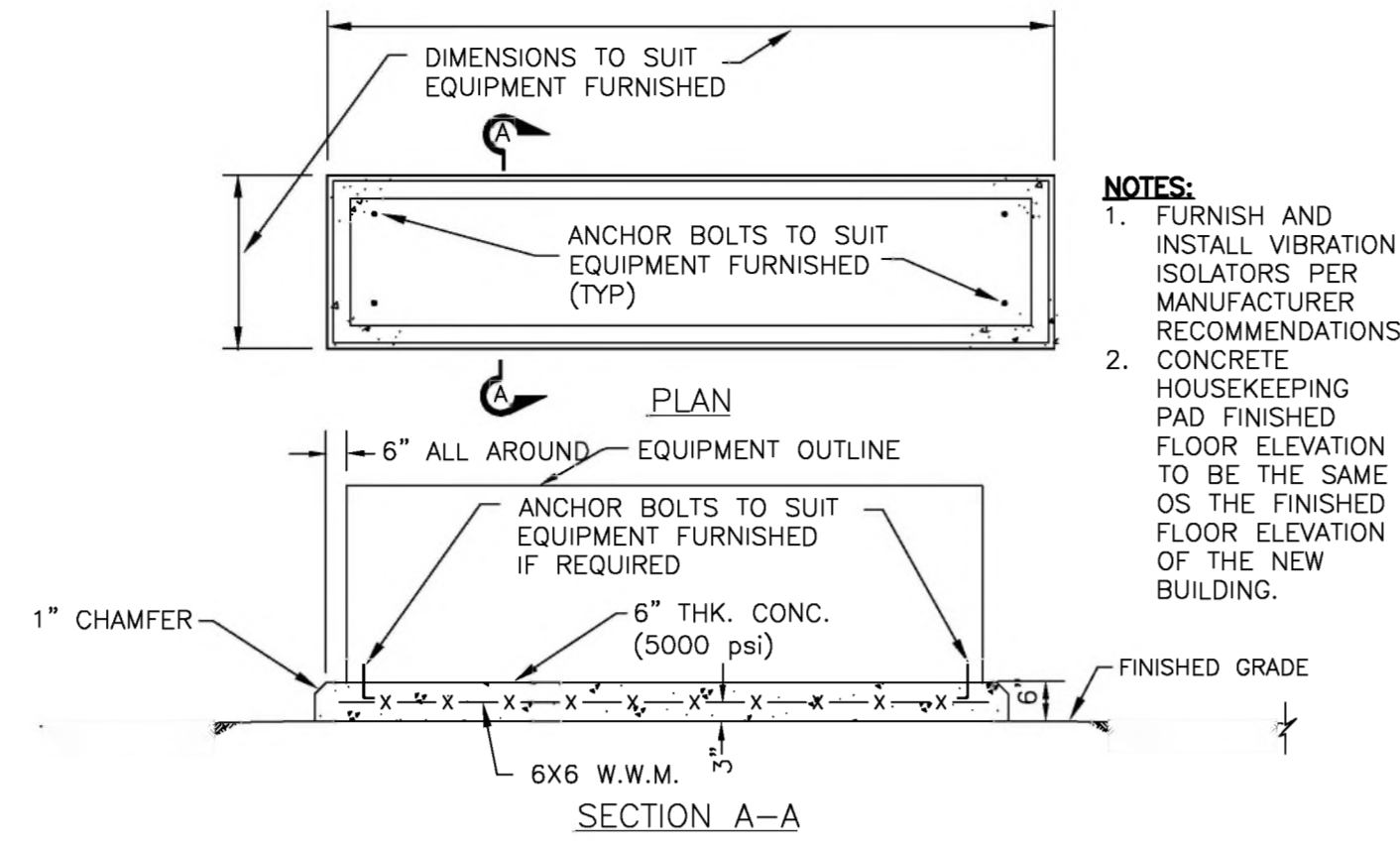
9 DETAIL - TURNING VANES, TYPICAL

10 DETAIL - CABINET TYPE EXHAUST FAN, TYPICAL

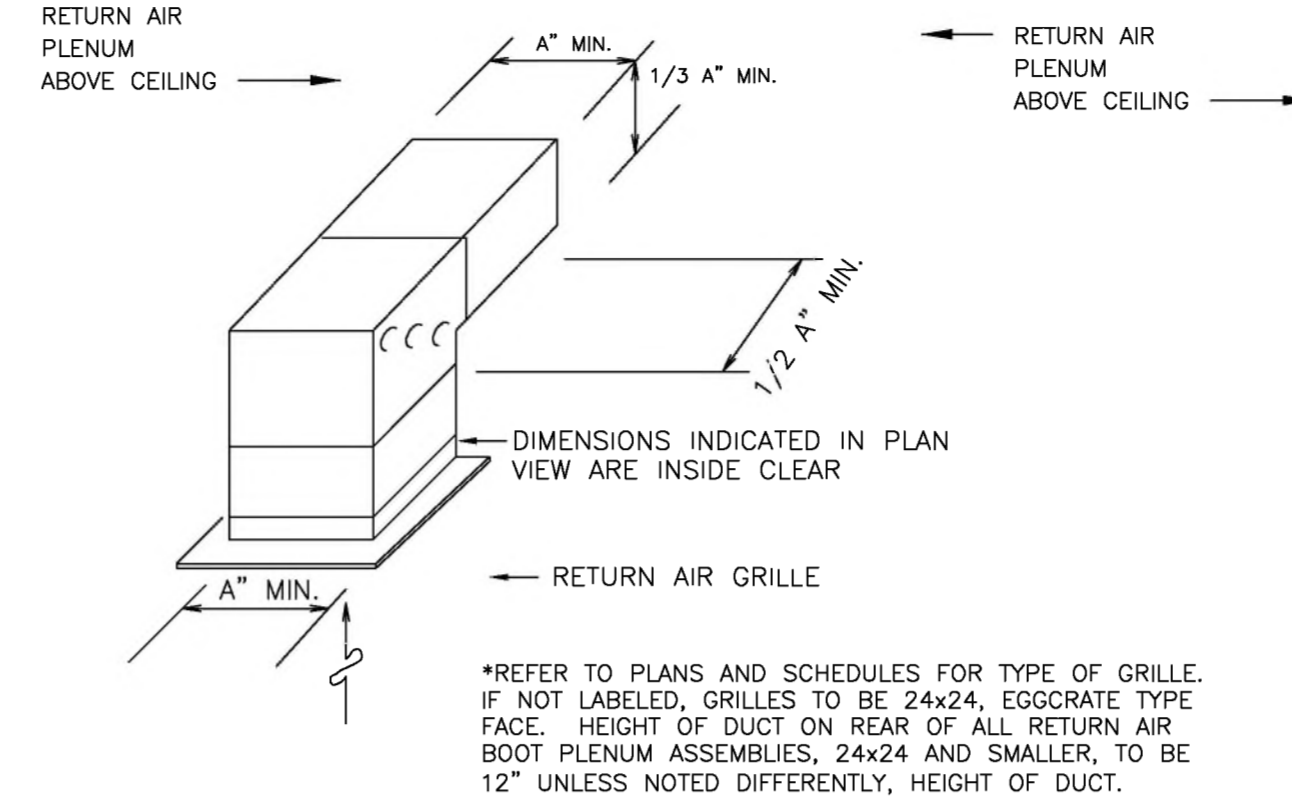
11 DETAIL - BRANCH DUCT W/ CEILING DIFFUSER, TYP.



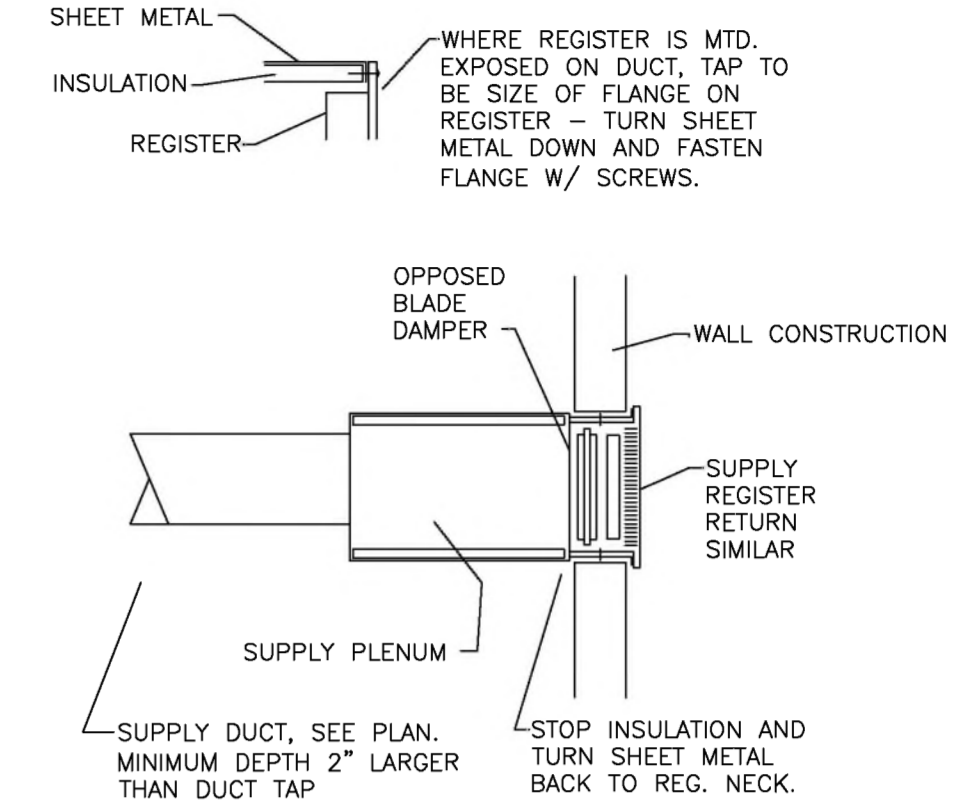
1 DETAIL - INTAKE / EXHAUST HOOD, TYPICAL



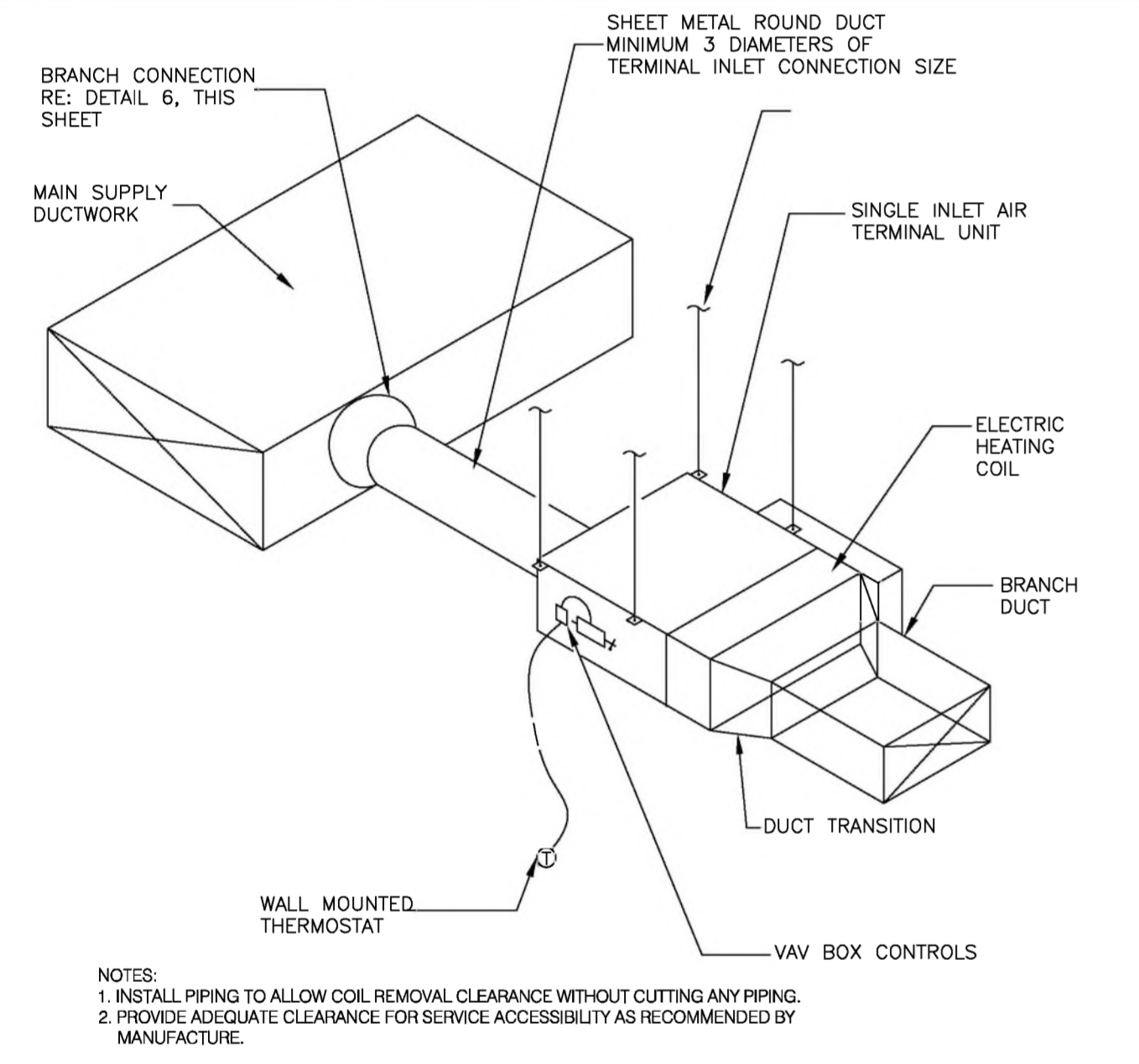
2 DETAIL - CONCRETE EQUIPMENT PAD, TYP.



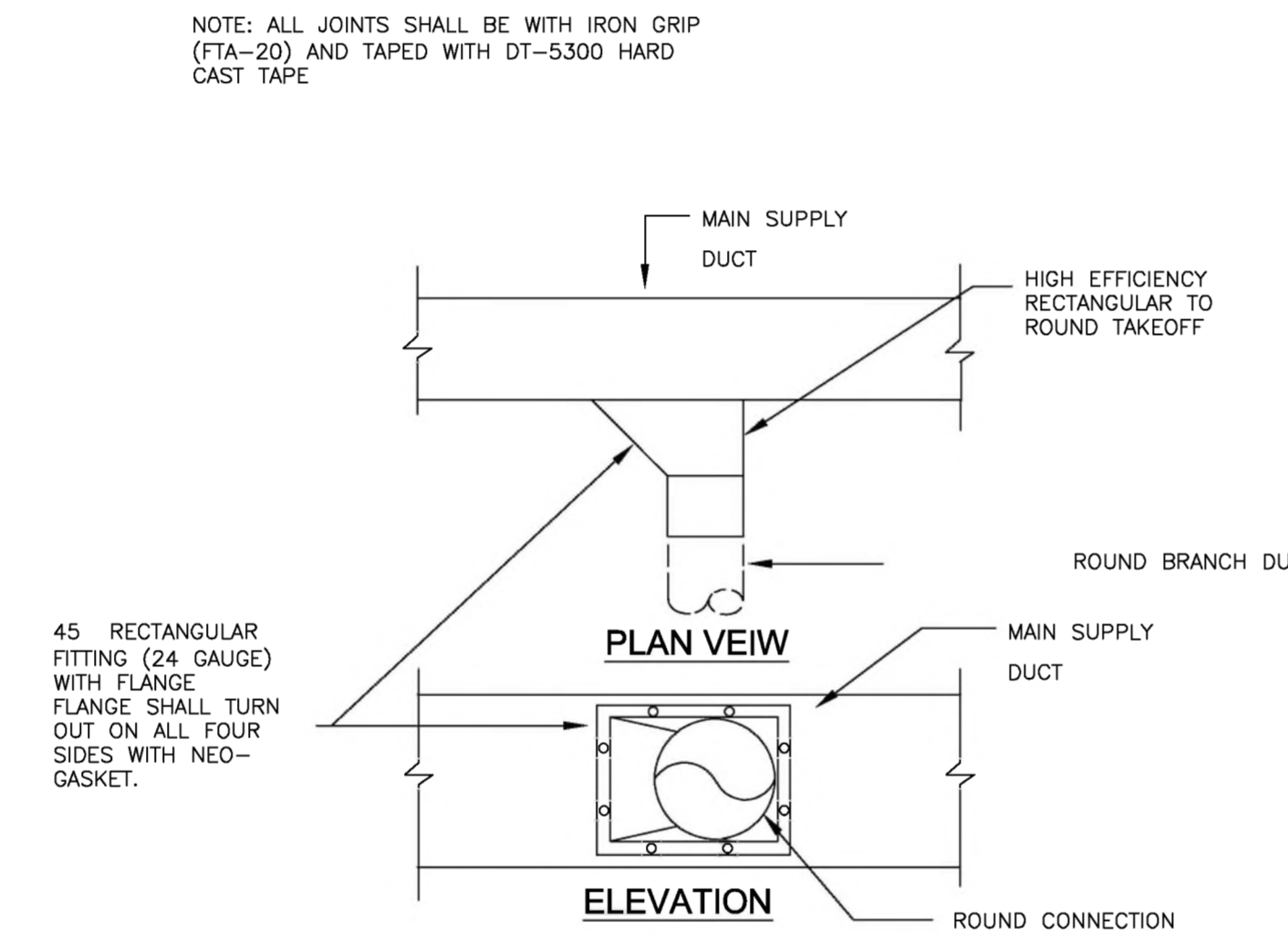
3 DETAIL - RETURN AIR BOOT ASSEMBLY, TYP.



4 DETAIL - SUPPLY GRILLE, TYPICAL



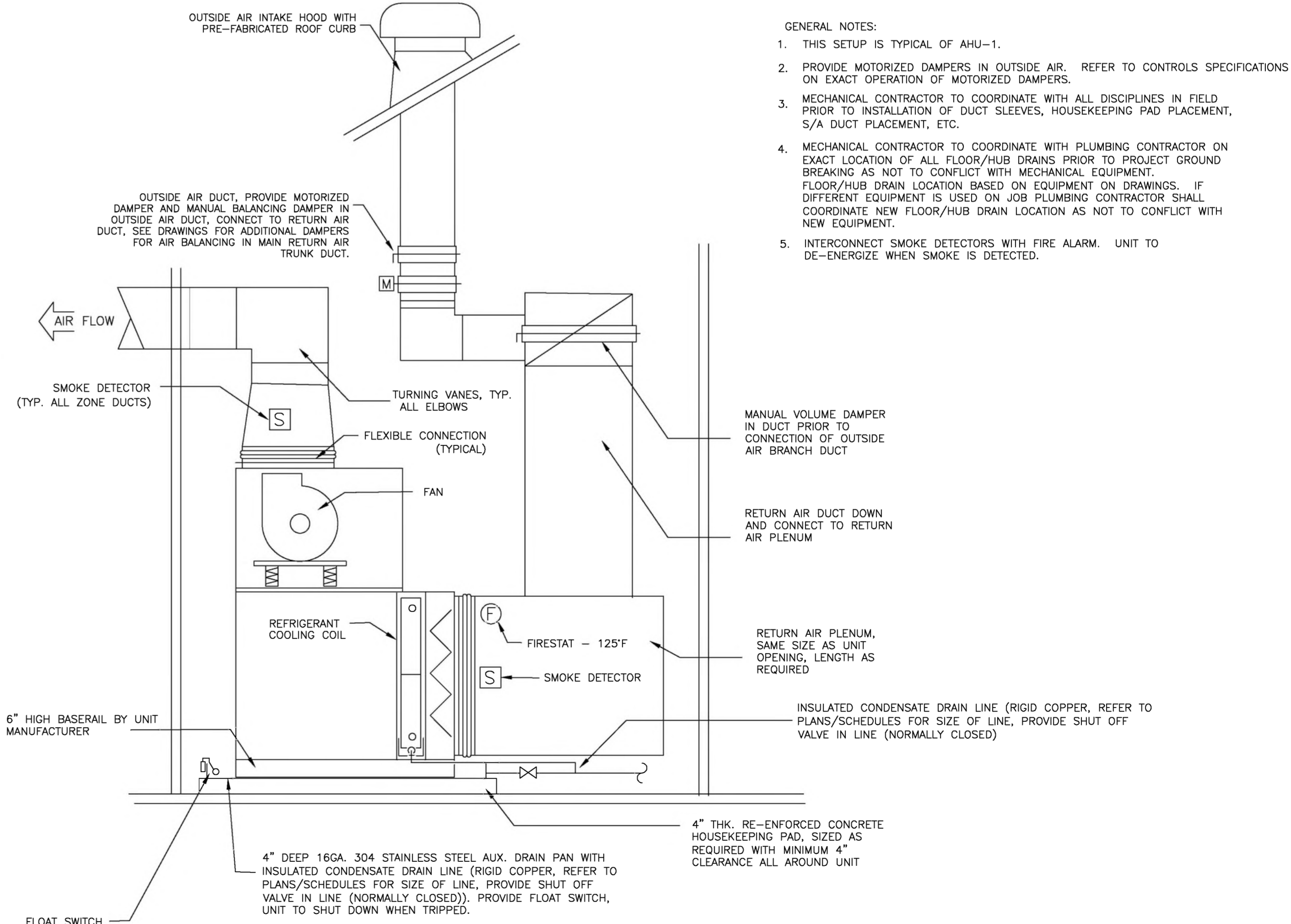
5 DETAIL - VAV BOX, TYPICAL



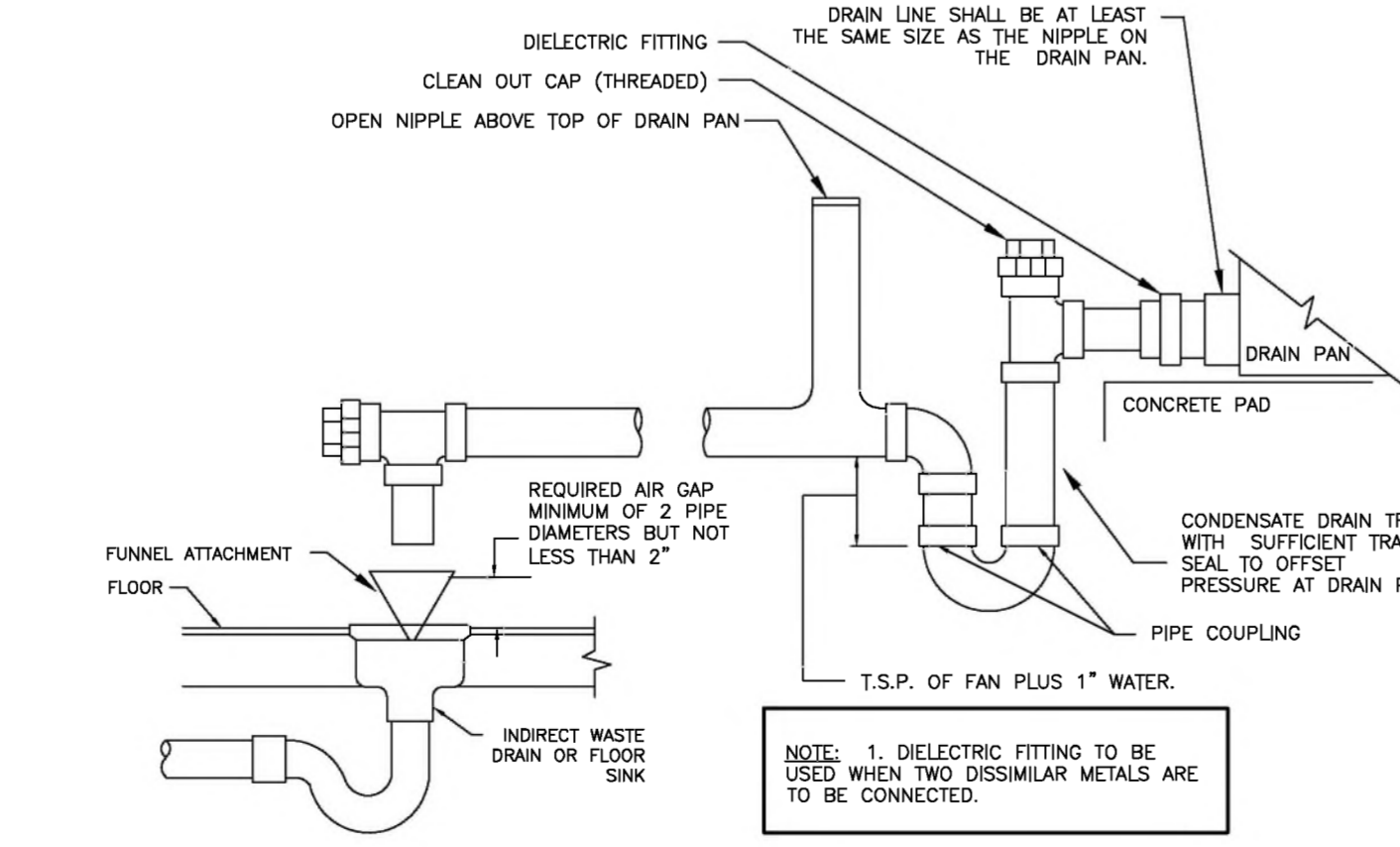
6 DETAIL - VAV AIR DUCT CONNECTION, TYPICAL

OUTSIDE AIR CONTROL:

- A MINIMUM OUTSIDE AIR FLOW CONTROL SHALL BE PROVIDED TO CONTROL MINIMUM OUTSIDE AIR FLOW RATE REGARDLESS OF AHU SUPPLY FAN AIR FLOW RATE. MINIMUM OUTSIDE AIR CONTROL WILL BE MAINTAINED BY CONTROLLING THE OUTSIDE AIR & RETURN AIR MOTORIZED DAMPER IN SEQUENCE TO MAINTAIN OUTSIDE AIR FLOW RATE.
- A CARBON DIOXIDE (CO2) SENSOR MOUNTED IN THE RETURN AIR DUCT WILL TRANSMIT CARBON DIOXIDE LEVELS TO THE DDC PANEL. THE DDC CONTROLLER WILL MODULATE THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER IN SEQUENCE TO MAINTAIN A CO2 SET POINT LEVEL OF 800 PPM (ADJUSTABLE). OUTSIDE AIR FLOW RATE SHALL NOT EXCEED 100% OF THE SCHEDULED MAXIMUM RATE, NOR SHALL BE REDUCED BELOW MINIMUM SETPOINT OF SCHEDULED OA RATE (DURING OCCUPIED MODE). REFER TO AIR HANDLING UNIT SCHEDULE FOR OUTSIDE AIR MAXIMUM & MINIMUM FLOW RATES (CFM).
- FREEZE PROTECTION: IF MIXED AIR TEMPERATURE DROPS BELOW 45°F (ADJUSTABLE), THE OUTSIDE AIR MOTORIZED DAMPERS SHALL CLOSE REDUCING FLOW RATE & THE RETURN AIR MOTORIZED DAMPERS WILL OPEN INCREASING FLOW RATE IN SEQUENCE TO MAINTAIN LOW LIMIT SETPOINT (ADJUSTABLE).



11 DETAIL - AIR HANDLING UNIT "AHU-1", TYPICAL



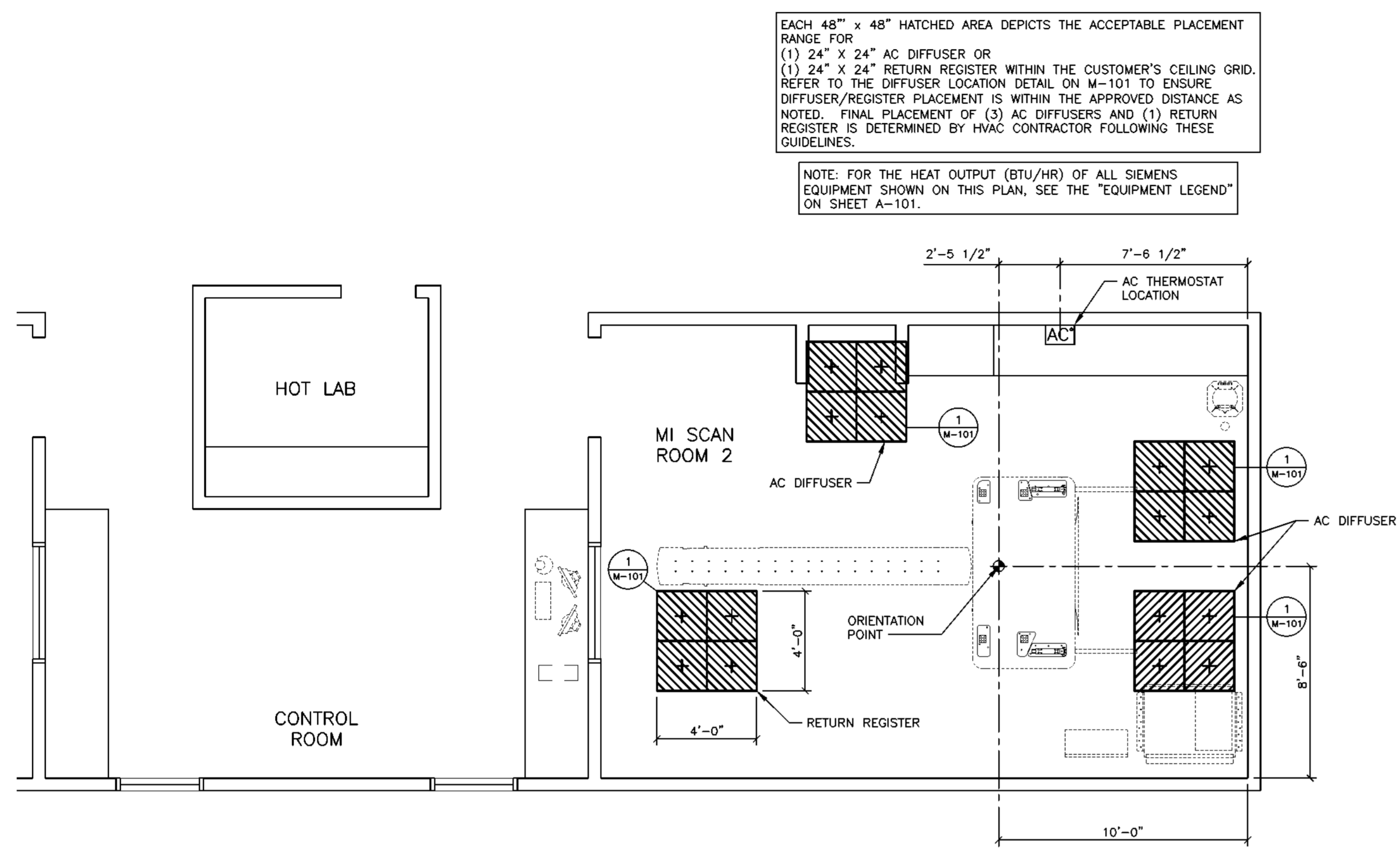
10 DETAIL - CONDENSATE DRAIN, TYP.

Revision	By	Appd	Issued



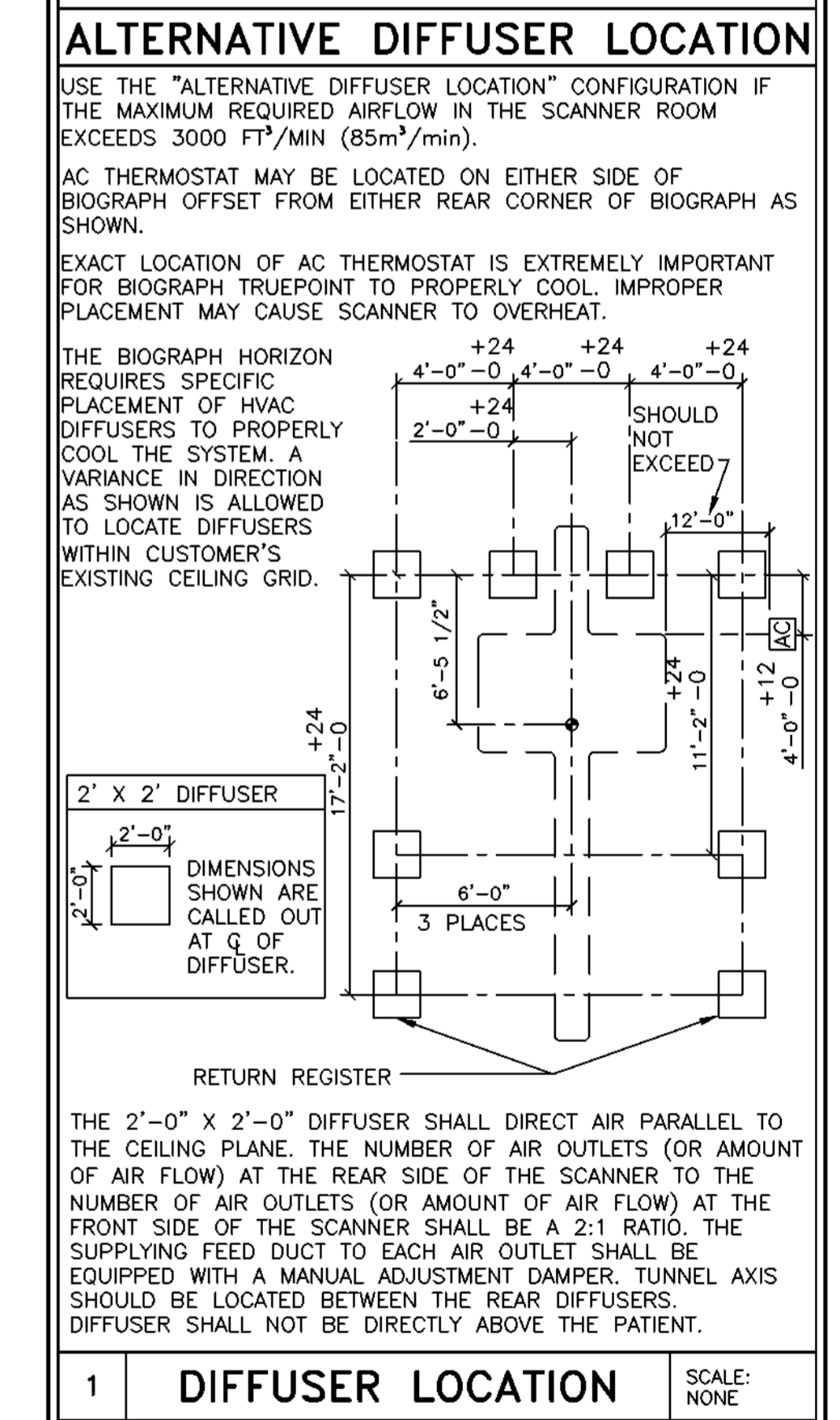
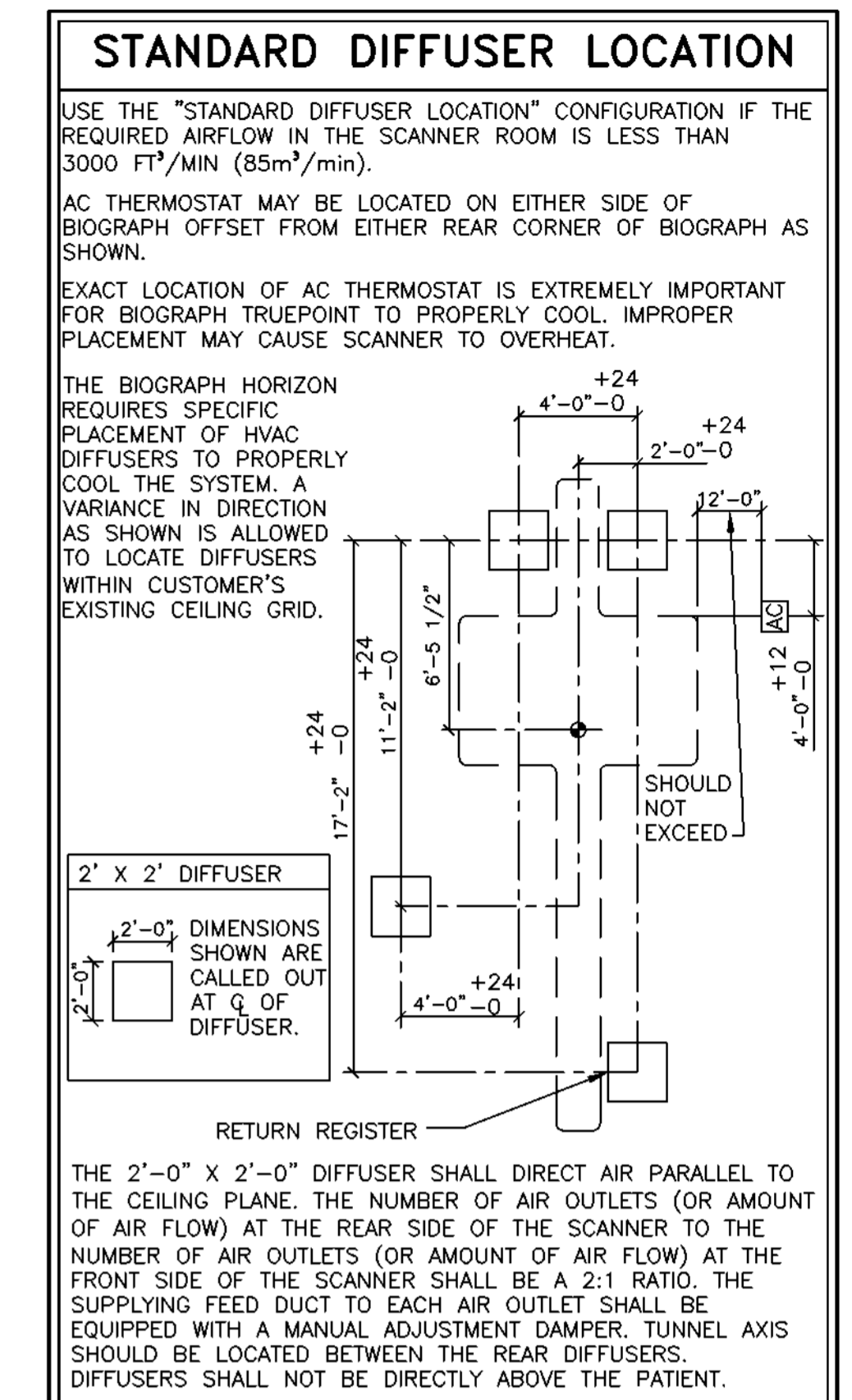
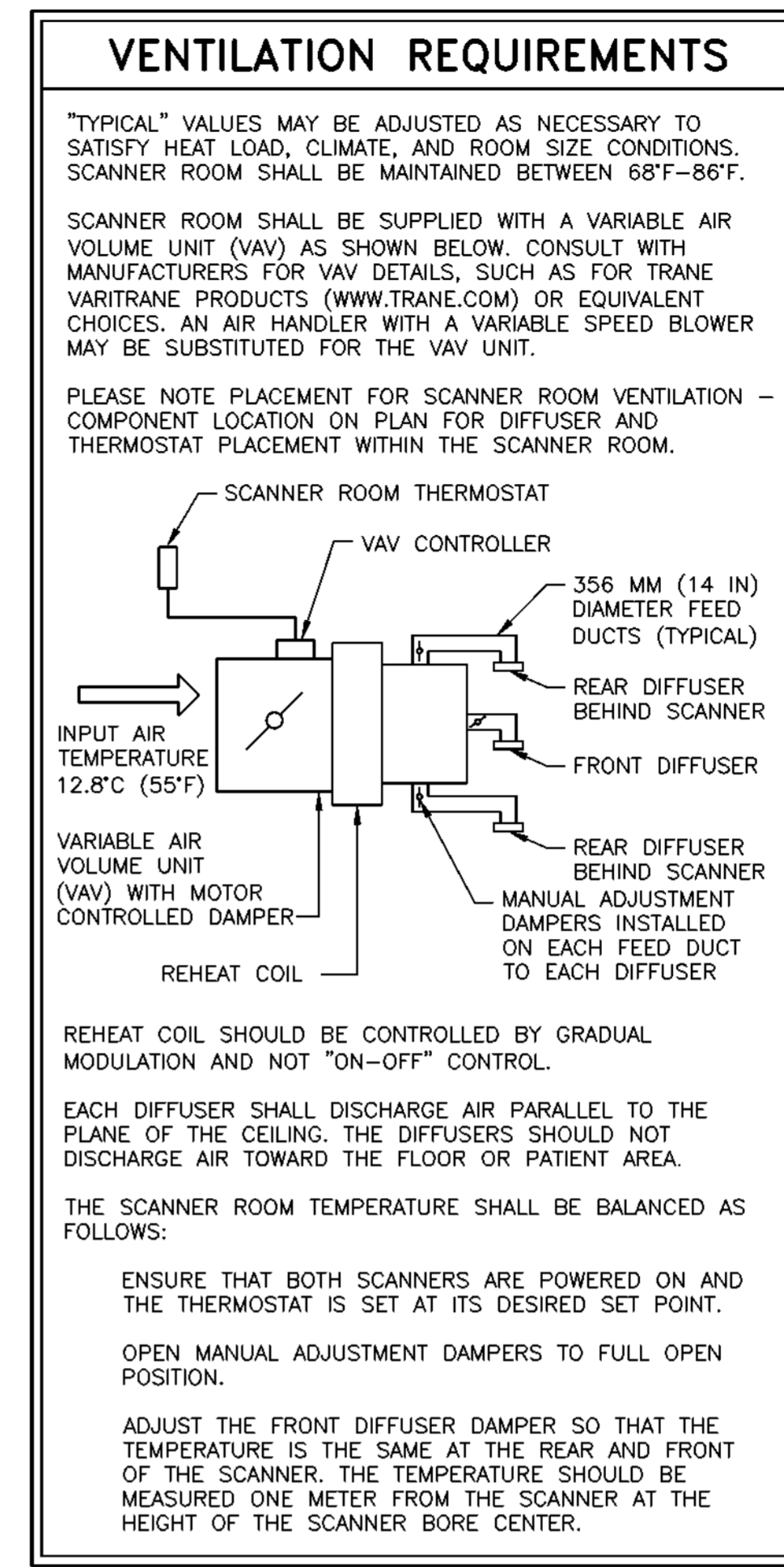
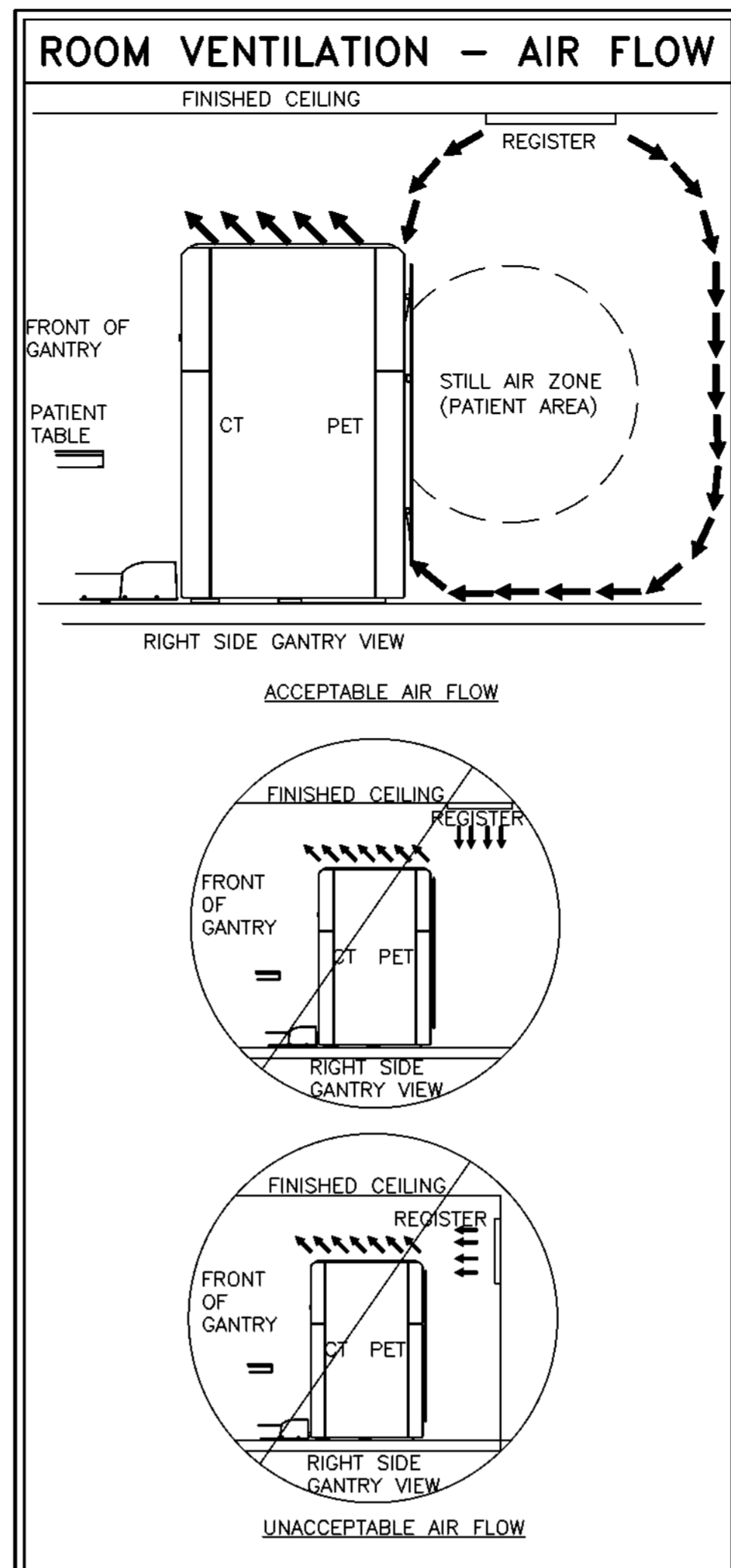
Client/Project: PET Scan Addition to BRCC
 5231 BRITANNY DRIVE BATON ROUGE, LA 70808
 Project No.: 222706047
 File Name: 22309644-1
 Scale: AS SHOWN
 HCE Dwn. Dgn. Ckcd. 2024.02.27

Title: MECHANICAL DETAILS
 Revision: Sheet: 1 of 1
 Drawing No.



HVAC PLAN

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



FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS	
BATON ROUGE CARDIOLOGY CENTER			
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON			
PROJECT #: 2314526		SHEET: M-101	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		DRAWN BY: J. JACKSON	
ALL RIGHTS ARE RESERVED.		DATE: 12/15/23	
SCALE: AS NOTED		REF. #: 30271584	

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

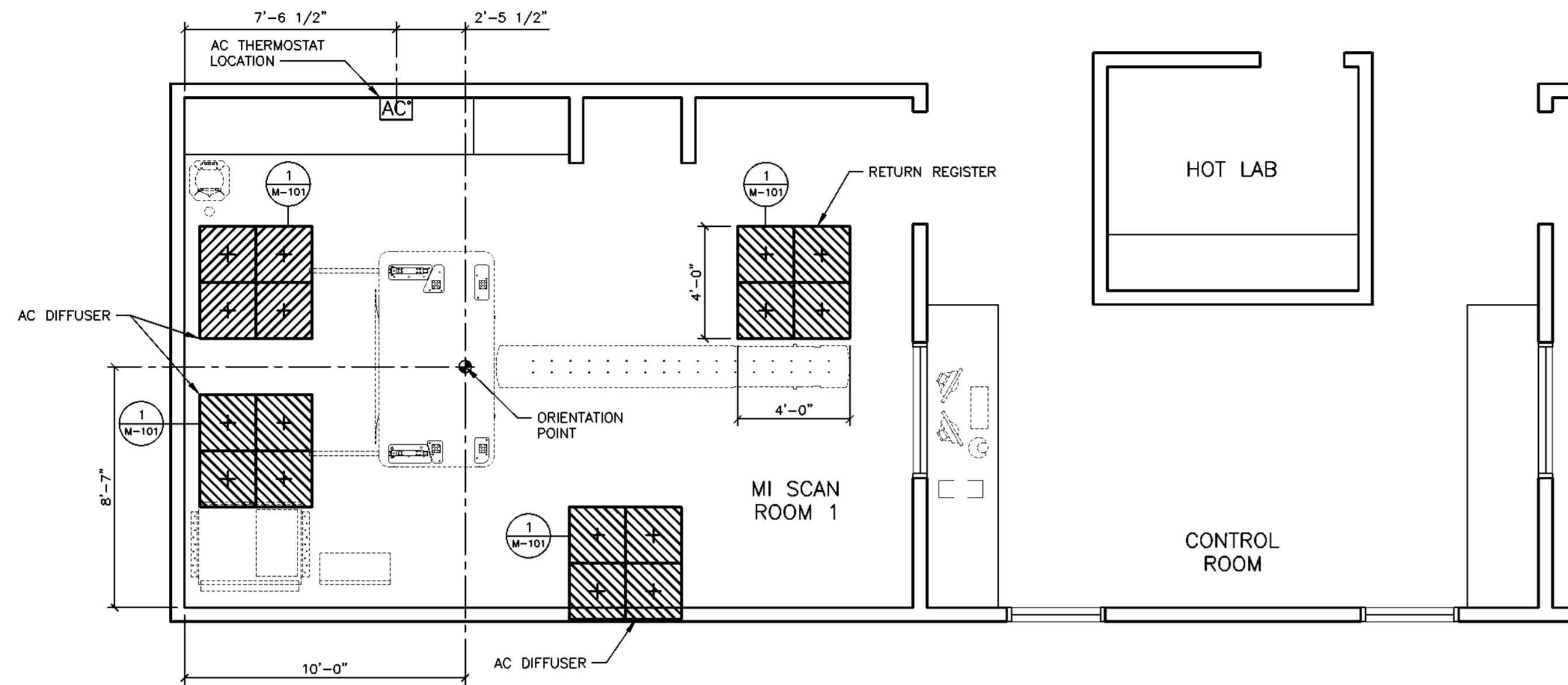
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.

- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

SYM	DATE	DESCRIPTION
12/15/23	2314526R(A) DATED 12/01/23 APPROVED BY CUSTOMER FOR FINALS	
-ISSUE BLOCK-		

EACH 48" x 48" HATCHED AREA DEPICTS THE ACCEPTABLE PLACEMENT RANGE FOR
 (1) 24" x 24" AC DIFFUSER OR
 (1) 24" x 24" RETURN REGISTER WITHIN THE CUSTOMER'S CEILING GRID. REFER TO THE DIFFUSER LOCATION DETAIL ON M-101 TO ENSURE DIFFUSER/REGISTER PLACEMENT IS WITHIN THE APPROVED DISTANCE AS NOTED. FINAL PLACEMENT OF (3) AC DIFFUSERS AND (1) RETURN REGISTER IS DETERMINED BY HVAC CONTRACTOR FOLLOWING THESE GUIDELINES.

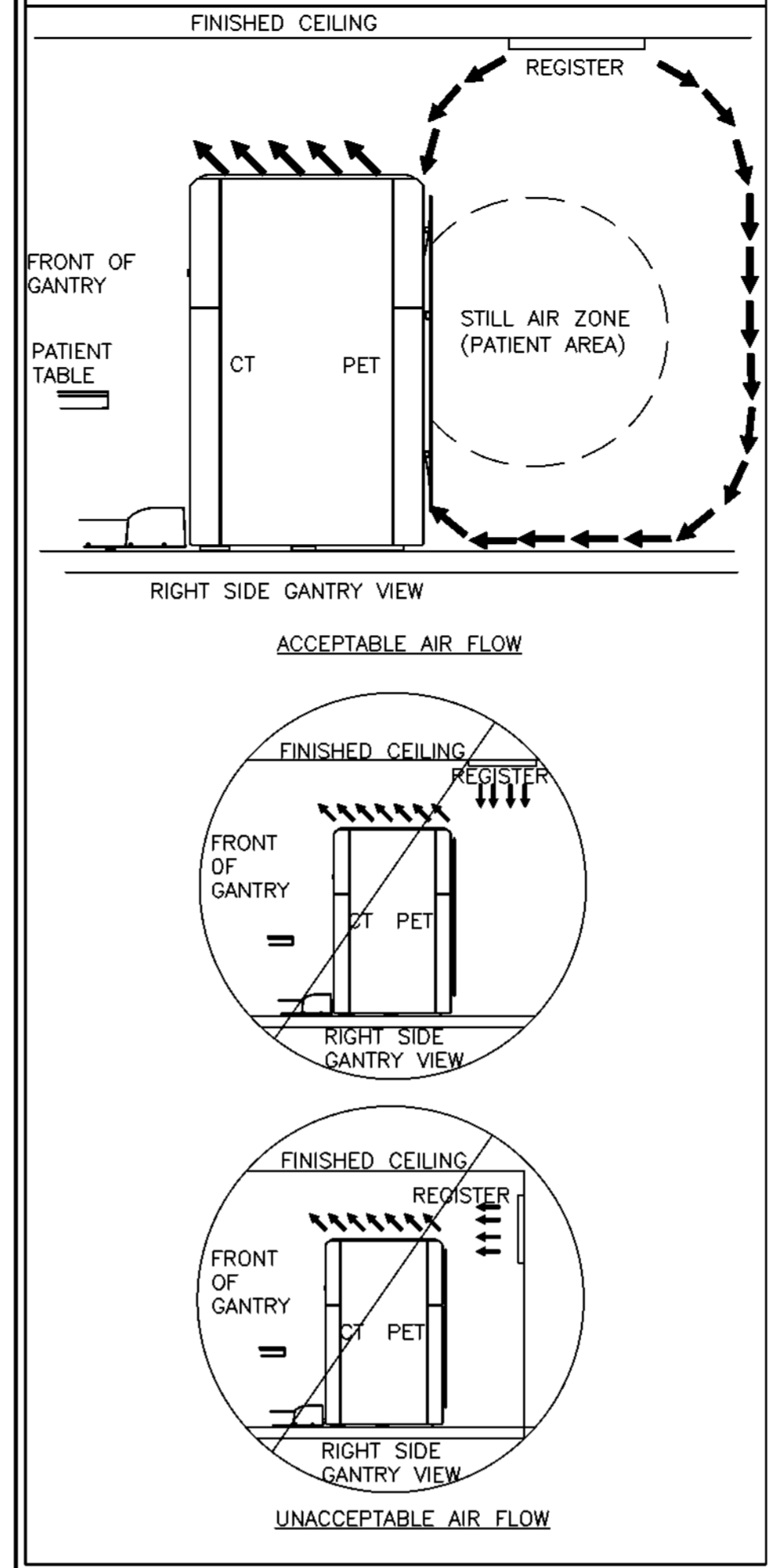
NOTE: FOR THE HEAT OUTPUT (BTU/HR) OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "EQUIPMENT LEGEND" ON SHEET A-101.



HVAC PLAN

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

ROOM VENTILATION - AIR FLOW

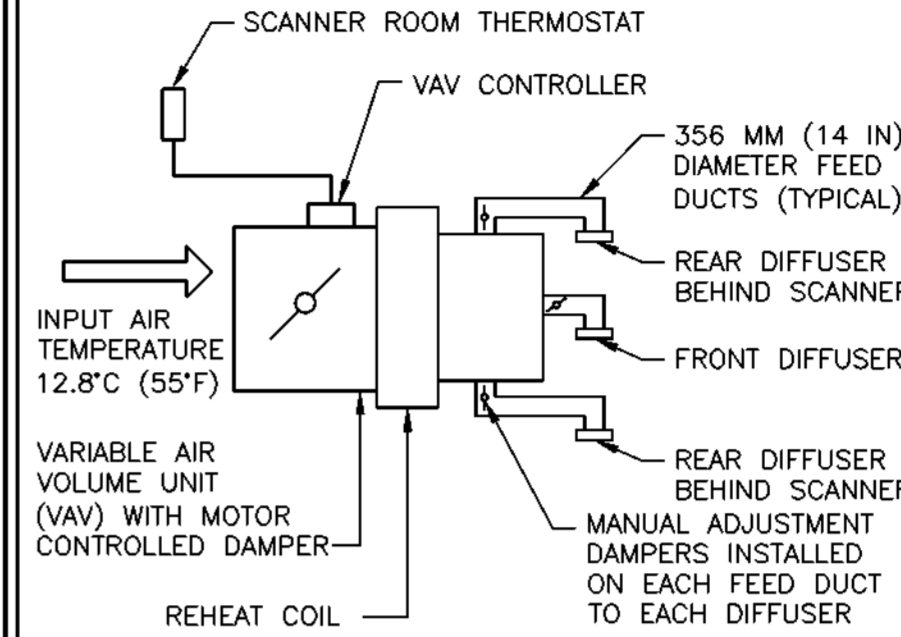


VENTILATION REQUIREMENTS

"TYPICAL" VALUES MAY BE ADJUSTED AS NECESSARY TO SATISFY HEAT LOAD, CLIMATE, AND ROOM SIZE CONDITIONS. SCANNER ROOM SHALL BE MAINTAINED BETWEEN 68°F-86°F.

SCANNER ROOM SHALL BE SUPPLIED WITH A VARIABLE AIR VOLUME UNIT (VAV) AS SHOWN BELOW. CONSULT WITH MANUFACTURERS FOR VAV DETAILS, SUCH AS FOR TRANE VARITRANE PRODUCTS (WWW.TRANE.COM) OR EQUIVALENT CHOICES. AN AIR HANDLER WITH A VARIABLE SPEED BLOWER MAY BE SUBSTITUTED FOR THE VAV UNIT.

PLEASE NOTE PLACEMENT FOR SCANNER ROOM VENTILATION COMPONENT LOCATION ON PLAN FOR DIFFUSER AND THERMOSTAT PLACEMENT WITHIN THE SCANNER ROOM.



REHEAT COIL SHOULD BE CONTROLLED BY GRADUAL MODULATION AND NOT "ON-OFF" CONTROL.

EACH DIFFUSER SHALL DISCHARGE AIR PARALLEL TO THE PLANE OF THE CEILING. THE DIFFUSERS SHOULD NOT DISCHARGE AIR TOWARD THE FLOOR OR PATIENT AREA.

THE SCANNER ROOM TEMPERATURE SHALL BE BALANCED AS FOLLOWS:

ENSURE THAT BOTH SCANNERS ARE POWERED ON AND THE THERMOSTAT IS SET AT ITS DESIRED SET POINT.

OPEN MANUAL ADJUSTMENT DAMPERS TO FULL OPEN POSITION.

ADJUST THE FRONT DIFFUSER DAMPER SO THAT THE TEMPERATURE IS THE SAME AT THE REAR AND FRONT OF THE SCANNER. THE TEMPERATURE SHOULD BE MEASURED ONE METER FROM THE SCANNER AT THE HEIGHT OF THE SCANNER BORE CENTER.

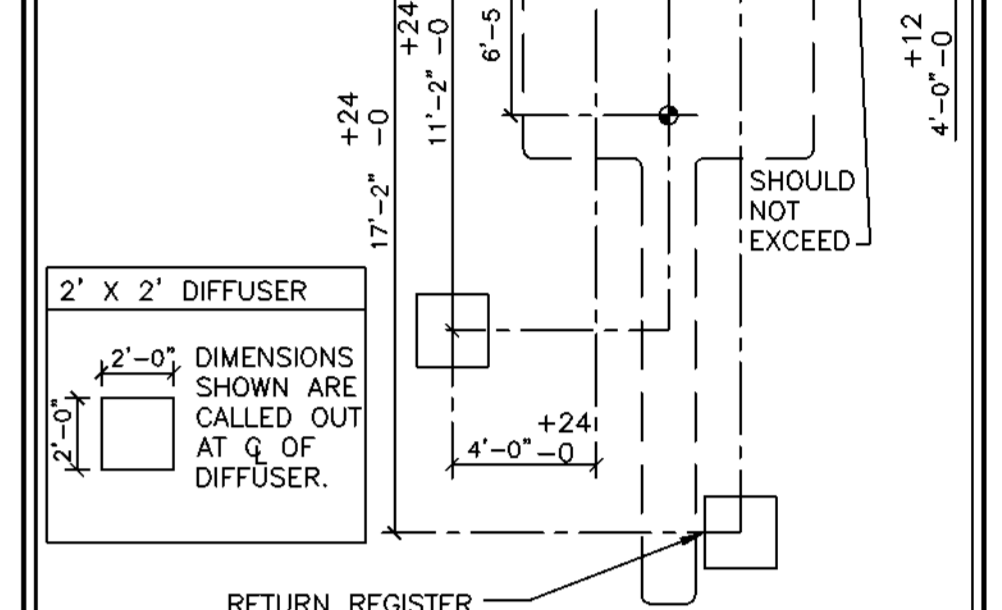
STANDARD DIFFUSER LOCATION

USE THE "STANDARD DIFFUSER LOCATION" CONFIGURATION IF THE REQUIRED AIRFLOW IN THE SCANNER ROOM IS LESS THAN 3000 FT³/MIN (85m³/min).

AC THERMOSTAT MAY BE LOCATED ON EITHER SIDE OF BIOGRAPH OFFSET FROM EITHER REAR CORNER OF BIOGRAPH AS SHOWN.

EXACT LOCATION OF AC THERMOSTAT IS EXTREMELY IMPORTANT FOR BIOGRAPH TRUEPOINT TO PROPERLY COOL. IMPROPER PLACEMENT MAY CAUSE SCANNER TO OVERHEAT.

THE BIOGRAPH HORIZON REQUIRES SPECIFIC PLACEMENT OF HVAC DIFFUSERS TO PROPERLY COOL THE SYSTEM. A VARIANCE IN DIRECTION AS SHOWN IS ALLOWED TO LOCATE DIFFUSERS WITHIN CUSTOMER'S EXISTING CEILING GRID.



THE 2'-0" x 2'-0" DIFFUSER SHALL DIRECT AIR PARALLEL TO THE CEILING PLANE. THE NUMBER OF AIR OUTLETS (OR AMOUNT OF AIR FLOW) AT THE REAR SIDE OF THE SCANNER TO THE NUMBER OF AIR OUTLETS (OR AMOUNT OF AIR FLOW) AT THE FRONT SIDE OF THE SCANNER SHALL BE A 2:1 RATIO. THE SUPPLYING FEED DUCT TO EACH AIR OUTLET SHALL BE EQUIPPED WITH A MANUAL ADJUSTMENT DAMPER. TUNNEL AXIS SHOULD BE LOCATED BETWEEN THE REAR DIFFUSERS. DIFFUSERS SHALL NOT BE DIRECTLY ABOVE THE PATIENT.

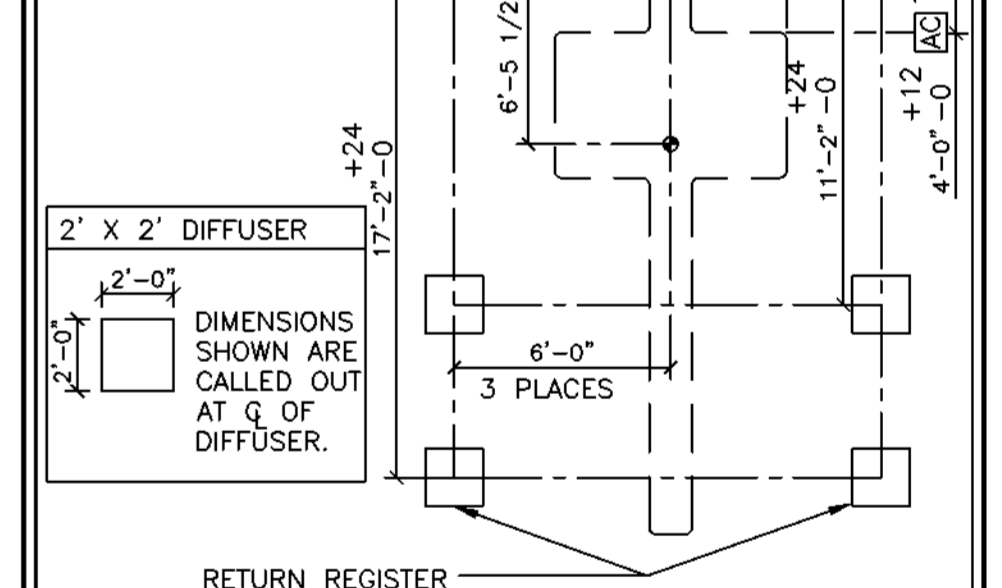
ALTERNATIVE DIFFUSER LOCATION

USE THE "ALTERNATIVE DIFFUSER LOCATION" CONFIGURATION IF THE MAXIMUM REQUIRED AIRFLOW IN THE SCANNER ROOM EXCEEDS 3000 FT³/MIN (85m³/min).

AC THERMOSTAT MAY BE LOCATED ON EITHER SIDE OF BIOGRAPH OFFSET FROM EITHER REAR CORNER OF BIOGRAPH AS SHOWN.

EXACT LOCATION OF AC THERMOSTAT IS EXTREMELY IMPORTANT FOR BIOGRAPH TRUEPOINT TO PROPERLY COOL. IMPROPER PLACEMENT MAY CAUSE SCANNER TO OVERHEAT.

THE BIOGRAPH HORIZON REQUIRES SPECIFIC PLACEMENT OF HVAC DIFFUSERS TO PROPERLY COOL THE SYSTEM. A VARIANCE IN DIRECTION AS SHOWN IS ALLOWED TO LOCATE DIFFUSERS WITHIN CUSTOMER'S EXISTING CEILING GRID.



THE 2'-0" x 2'-0" DIFFUSER SHALL DIRECT AIR PARALLEL TO THE CEILING PLANE. THE NUMBER OF AIR OUTLETS (OR AMOUNT OF AIR FLOW) AT THE REAR SIDE OF THE SCANNER TO THE NUMBER OF AIR OUTLETS (OR AMOUNT OF AIR FLOW) AT THE FRONT SIDE OF THE SCANNER SHALL BE A 2:1 RATIO. THE SUPPLYING FEED DUCT TO EACH AIR OUTLET SHALL BE EQUIPPED WITH A MANUAL ADJUSTMENT DAMPER. TUNNEL AXIS SHOULD BE LOCATED BETWEEN THE REAR DIFFUSERS. DIFFUSER SHALL NOT BE DIRECTLY ABOVE THE PATIENT.

1 DIFFUSER LOCATION SCALE: NONE

FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM			
BATON ROUGE CARDIOLOGY CENTER 5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON			
PROJECT #:		SHEET:	
2314523		M-101	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		DRAWN BY: J. JACKSON	
ALL RIGHTS ARE RESERVED.		DATE: 12/11/23	
SCALE: AS NOTED		REF. #: 30271592	

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.
 - IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
 - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

PLUMBING PLAN KEYNOTES:

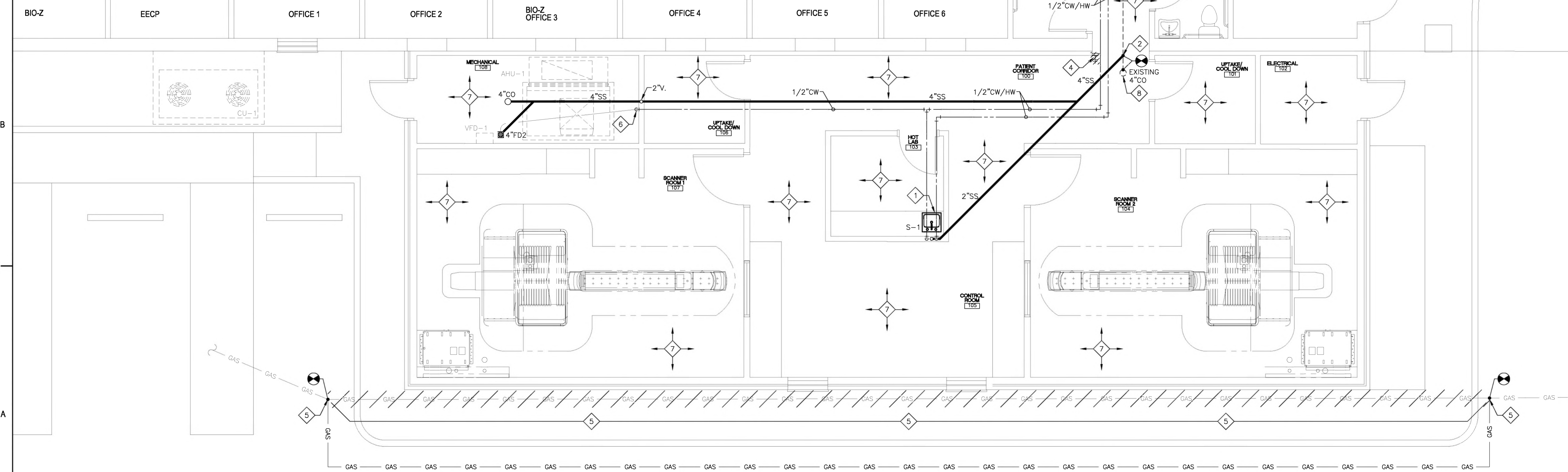
- 1 CONTRACTOR TO PROVIDE AND INSTALL NEW PLUMBING FIXTURE IN NEW LOCATION. EXTEND AND CONNECT TO EXISTING PLUMBING SERVICES AND PROVIDE ALL OFF-SETS AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW PLUMBING FIXTURE. NEW SANITARY SEWER AND DOMESTIC WATER SERVICES TO BE FIELD ROUTED TO NEW PLUMBING FIXTURE AS REQUIRED. CONTRACTOR SHALL MODIFY EXISTING WALLS/FLOORING AS TO ACCOMMODATE INSTALLATION OF NEW PLUMBING FIXTURE. WALLS/FLOORING TO BE CORE DRILLED AND/OR SAW CUT AS REQUIRED. CONTRACTOR SHALL PATCH WALLS/FLOORING BACK TO MATCH EXISTING CONDITIONS. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON SITE.
2 CONTRACTOR SHALL FIELD ROUTE NEW SANITARY SEWER PIPING (SIZES SHOWN ON DRAWING) TO EXISTING SANITARY SEWER PIPING OF SUFFICIENT SIZE AND CONNECT. FIELD VERIFY EXACT LOCATION, INVERT, AND SIZE OF EXISTING SANITARY SEWER PIPING PRIOR TO BID. CONTRACTOR TO MODIFY/SAW CUT/CORE DRILL EXISTING FLOORING AND/OR WALLS AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW SANITARY SEWER PIPING. PATCH WALLS/FLOORING BACK TO MATCH EXISTING CONDITIONS. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON JOB SITE PRIOR TO BID.
3 CONTRACTOR SHALL FIELD ROUTE NEW DOMESTIC HOT AND COLD WATER PIPING (SIZES SHOWN ON DRAWING) WITH SHUT OFF VALVES TO EXISTING HOT/COLD WATER PIPING OF SUFFICIENT SIZE AND CONNECT. FIELD VERIFY EXACT LOCATION, AND SIZE OF EXISTING HOT/COLD WATER PIPING PRIOR TO BID. CONTRACTOR TO MODIFY/SAW CUT/CORE DRILL EXISTING FLOORING AND/OR WALLS AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW DOMESTIC WATER PIPING. PATCH WALLS/FLOORING BACK TO MATCH EXISTING CONDITIONS. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON JOB SITE PRIOR TO BID.
4 CONTRACTOR TO REMOVE EXISTING HOSE BIBB AND/WATER SPIGOT AND HAUL OFF SITE AS DEBRIS. CUT AND CAP EXISTING DOMESTIC WATER SERVICE BEHIND, BELOW, AND/OR ABOVE FINISHED SURFACE. CONTRACTOR TO MODIFY EXISTING WALLS AS REQUIRED TO ACCOMMODATE REMOVAL OF EXISTING HOSE BIBB. PATCH BACK TO MATCH EXISTING CONDITIONS. VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING SERVICES PRIOR TO BID. VERIFY EXISTING CONDITIONS ON JOB SITE.
5 CONTRACTOR SHALL FIGURE IN BID TO CUT AND REMOVE ALL EXISTING UNDERGROUND GAS PIPING LOCATED WITHIN HATCHED-OUT AREA AND HAUL OFF SITE AS DEBRIS. CONTRACTOR TO FIELD ROUTE NEW GAS PIPING (SIZED TO MATCH EXISTING GAS PIPING) BELOW GRADE AROUND NEW BUILDING ADDITION AS SHOWN ON DRAWING. FIELD VERIFY EXACT LOCATION, PRESSURE, AND SIZE OF EXISTING UNDERGROUND GAS PIPING PRIOR TO BID. VERIFY EXISTING CONDITIONS ON JOB SITE.
6 CONTRACTOR TO PROVIDE AND INSTALL AUTOMATIC TRAP PRIMER WITH AIR GAP, ROUTE 1/2" LINE INSIDE WALL, DOWN INSIDE, UNDERGROUND TO FLOOR DRAIN. REFER TO DETAIL #1, SHEET P1.0.
7 ADDITIONAL SPACE AND RENOVATED AREA TO BE SPRINKLED BY EXISTING SPRINKLER SYSTEM. CONTRACTOR TO EXTEND, RELOCATE PIPING & PROVIDE ALL OFFSETS AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW SPRINKLER HEAD(S) WITHIN NEW SUSPENDED CEILING. CONTRACTOR SHALL FIGURE IN BID TO REMOVE AND REPLACE ALL EXISTING SPRINKLER HEADS WITHIN RENOVATION SPACE. SPRINKLER HEADS TO BE FULLY CONCEALED TYPE WITH CUSTOM COLOR COVER PLATE, REFER TO DETAIL #2, SHEET P1.0. COORDINATE WITH MECHANICAL DRAWINGS NOT TO CONFLICT WITH NEW & EXISTING DUCTWORK. REFER TO ARCHITECTURAL DRAWINGS FOR ALL RENOVATED SPACES. FIELD VERIFY EXISTING CONDITIONS ON JOB SITE PRIOR TO BID.
8 CONTRACTOR SHALL FIGURE IN BID TO REMOVE EXISTING EXTERIOR SEWER CLEANOUT COVER AND HAUL OFF SITE AS DEBRIS. CONTRACTOR TO INSTALL NEW INTERIOR CLEANOUT COVER FLUSH WITH FINISHED FLOOR. FIELD VERIFY EXACT LOCATION, INVERT, AND SIZE OF EXISTING SANITARY SEWER CLEANOUT PRIOR TO BID. CONTRACTOR TO SAW CUT EXISTING CONCRETE AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW SEWER CLEANOUT. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON JOB SITE PRIOR TO BID.

GENERAL PLUMBING DEMOLITION/RENOVATION NOTES:

- 1. SHOULD A DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS ARISE, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY AND SHALL NOT PROCEED WITH ANY WORK UNTIL THE DISCREPANCY IS RESOLVED.
2. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO BEGINNING ANY WORK.
3. ALL UTILITY TIE-IN LOCATIONS (SEWER, DOMESTIC WATER, ETC.) ARE TO BE LOCATED AT THE BEGINNING OF PROJECT, PRIOR TO ANY/ALL CONSTRUCTION. UPON LOCATING TIE-IN LOCATIONS, CONTRACTOR TO NOTIFY ARCHITECT/ENGINEER IF ANY CONFLICTS ARISE FOR FURTHER ACTION.
4. NEW PLUMBING FIXTURES TO BE INSTALLED AS SHOWN ON DRAWINGS. MODIFY EXISTING PLUMBING SERVICES TO ACCOMMODATE NEW PLUMBING FIXTURES. CONTRACTOR TO FIELD VERIFY AND INSPECT ALL EXISTING PLUMBING SERVICES PRIOR TO BID. VERIFY EXISTING CONDITIONS ON JOB SITE.
5. CONTRACTOR SHALL SAW CUT AND/OR CORE DRILL EXISTING CONCRETE FLOOR AS REQUIRED IN ORDER TO PROPERLY INSTALL NEW PLUMBING SYSTEM. CONTRACTOR TO PATCH BACK AS TO MATCH EXISTING CONDITIONS UPON COMPLETION OF PLUMBING WORK. ARCHITECT TO HAVE FINAL APPROVAL OF PATCHED BACK CONCRETE & FLOORING.
6. CONTRACTOR SHALL CUT AND REPAIR EXISTING GRADE BEAMS AS TO ACCOMMODATE INSTALLATION OF NEW PLUMBING SERVICES AS SHOWN ON DRAWING. COORDINATE WITH STRUCTURAL ON ALL LOCATIONS OF PLUMBING SERVICES PENETRATING EXISTING GRADE BEAMS PRIOR TO CONSTRUCTION. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON SITE.
7. CONTRACTOR SHALL MODIFY (DEMO & REPLACE) EXISTING WALLS AS TO ACCOMMODATE INSTALLATION OF NEW PLUMBING SYSTEM AS SHOWN ON DRAWINGS. EXTERIOR WALLS TO BE CORE DRILLED AS REQUIRED. CONTRACTOR SHALL PATCH WALLS BACK TO MATCH EXISTING CONDITIONS. VERIFY EXISTING CONDITIONS & EXISTING PLUMBING ON SITE.
8. CONTRACTOR TO VERIFY DEPTH/ELEVATION/INVERTS OF ALL EXISTING SANITARY SEWER, DOMESTIC WATER, ETC. PRIOR TO ANY AND ALL CONSTRUCTION. IF EXISTING PIPING IS AT AN ELEVATION THAT DOES NOT PROPERLY ALLOW FOR THE INSTALLATION OF NEW UTILITIES THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY FOR FURTHER ACTION.
9. ALL EXISTING PIPING THAT IS TO BE CAPPED BELOW GRADE IS TO BE DONE IN SUCH A MANNER AS NOT TO INTERFERE WITH FLOW OF PIPING (ACTIVE PORTIONS OF PIPING THAT ARE TO REMAIN AND BE REUSED) THAT IS BEING CAPPED.
10. LOCATION OF EXISTING UTILITIES WERE DERIVED FROM EXISTING DRAWINGS PROVIDED BY ARCHITECT & FIELD INTERVIEW. CONTRACTOR SHALL ALLOW FOR SOME VARIANCE AND INCLUDE IN BID. CONTRACTOR SHALL FIELD VERIFY ALL TIE IN LOCATIONS, CONTRACTOR SHALL EXPECT SOME VARIATION AND SHALL INCLUDE THIS IN HIS BID.
11. OWNER TO HAVE FIRST RIGHT OF REFUSAL OF ALL REMOVED MATERIAL, PIPING, EQUIPMENT, HANGERS, ETC., UPON REFUSAL THE CONTRACTOR IS TO HAUL OFF SITE AS DEBRIS.
12. ALL SEWER PIPING WITHIN RETURN AIR PLENUM SHALL BE CAST IRON. ALL DOMESTIC WATER PIPING & INSULATION WITHIN RETURN AIR PLENUM SHALL BE PLENUM RATED. REFER TO PLUMBING SPECIFICATIONS.
13. PLUMBING DEMOLITION: REFER TO ARCHITECTURAL DRAWINGS FOR ARCHITECTURAL DEMOLITION PLAN OUTLINING FURTHER DEMOLITION SCOPE OF WORK. ALL DEMOLISHED PLUMBING UTILITIES THAT ARE NOT TO BE REPLACED OR REUSED SHALL HAVE THEIR RESPECTIVE UTILITIES CAPPED ABOVE/BELOW/BEHIND FINISHED SURFACE (CEILING/FLOOR/WALL), PATCH TO MATCH EXISTING/NEW CONDITIONS.
14. SITE CONDITIONS: THE CONTRACTOR SHALL VISIT THE BUILDING SITE TO DETERMINE EXISTING CONDITIONS AND SHALL BE HELD RESPONSIBLE FOR ALLOWING FOR THESE CONDITIONS IN HIS BID. THIS WILL INCLUDE ABOVE OR BELOW GRADE ITEMS THAT MAY AFFECT THE WORK.

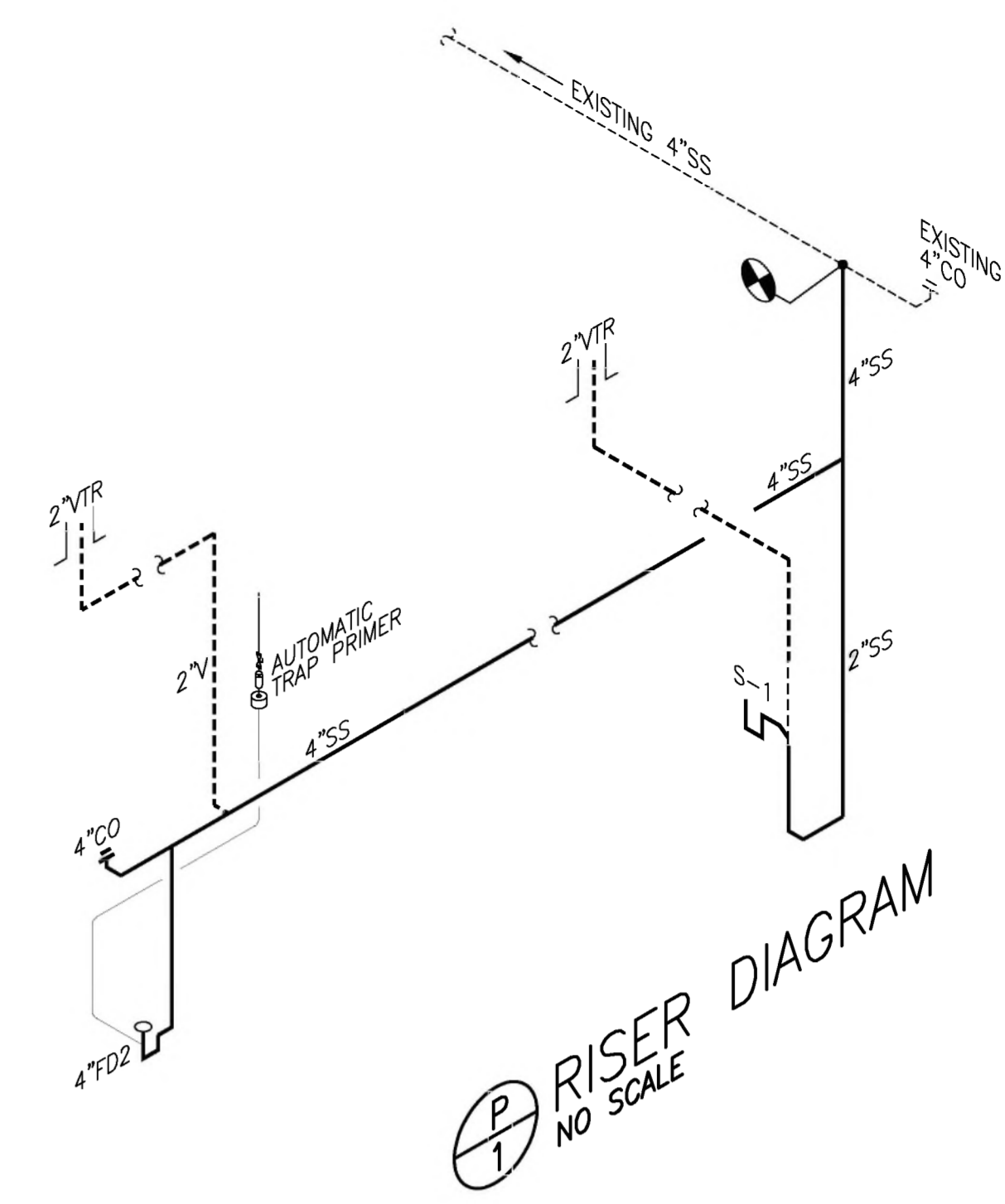
GENERAL SPRINKLER NOTES:

- A. CONTRACTOR SHALL MODIFY THE EXISTING AREA SPRINKLER SYSTEM TO SERVE THE NEW RENOVATED SPACE SHOWN IN THIS PROJECT. THE EXISTING SPRINKLER SYSTEM AND HEAD LOCATION SHALL BE MODIFIED AND SUPPLEMENTED AS REQUIRED TO SERVICE THE NEW ARCHITECTURAL LAYOUT. IF EXISTING HEAD LOCATIONS AND/OR NUMBER NEEDS TO VARY, SPRINKLER CONTRACTOR SHALL COORDINATE EXACT LOCATION OF HEADS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
B. THE REVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, THE ARCHITECT, THE OWNER'S FIRE INSURANCE UNDERWRITER, AND ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMISES.
C. CONTRACTOR SHALL SUBMIT COMPREHENSIVE SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL BY THE ARCHITECT, OWNER AND THE FIRE INSURANCE UNDERWRITERS, AND THE STATE FIRE MARSHALL. CONTRACTOR SHALL INCLUDE IN HIS BID ALL FEES INCURRED FOR PERMITS.
D. ALL SPRINKLER WORK SHALL BE IN ACCORDANCE WITH NFPA 13 (LATEST EDITION). THE NEW SPRINKLER HEADS SHALL BE OF THE SEMI-RECESSED TYPE TO MATCH EXISTING, FIELD VERIFY PRIOR TO BID AND CONFIRM FINISH WITH ARCHITECT.
E. THE FIRE PROTECTION CONTRACTOR SHALL SCHEDULE, WITH THE OWNER, A PORTION OF THE EXISTING SPRINKLER SYSTEM FOR SHUT DOWN, THE CONTRACTOR SHALL THEN DISCONNECT THAT PORTION OF THE EXISTING SYSTEM FROM THE MAIN SYSTEM, PERFORM THE NEW REQUIRED WORK, TEST, THEN RECONNECT TO THE MAIN SYSTEM. ALL COSTS RELATED TO THE SHUT DOWN AND RECONNECT ARE TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.
F. ALL WORK IN RENOVATED AREA SHALL BE DONE IN AN OCCUPIED BUILDING.
G. CEILING TYPES AND HEIGHTS DIFFER FROM ROOM TO ROOM AND WITHIN SAME ROOMS THROUGHOUT RENOVATION, SPRINKLER SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS.
H. SPRINKLER HEADS ESCUTCHEONS SHALL BE FLUSH TO CEILING.
I. IF SPRINKLER SYSTEM IS SHUT DOWN FOR ANY REASON, CONTRACTOR TO PROVIDE REQUIRED FIRE WATCH UNTIL IS BACK OPERATIONAL. FIGURE IN BID ALL COST AND COORDINATION WITH LOCAL FIRE CHIEF.



1 FLOOR PLAN - PLUMBING SCALE: 1/4" = 1'-0"

VENTS THRU ROOF CONTRACTOR TO COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION OF ALL PLUMBING VENTS THRU ROOF. NO EXCEPTION.
SHOCK ABSORBERS CONTRACTOR SHALL PROVIDE EITHER AIR CHAMBERS (MIN. 18" HIGH) OR FACTORY SHOCK ABSORBERS ON ALL CW AND HW LINES AT ALL FIXTURES TO PREVENT WATER HAMMER. REFER TO SCHEDULE FOR SIZE OF SHOCK ABSORBERS.
TRAP PRIMERS ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMER CONNECTION. CONTRACTOR TO PROVIDE AND INSTALL EACH FLOOR TRAP PRIMER WITH AIR GAP TO SERVE TO DETAIL #1, SHEET P1.0. AUTOMATIC TRAP PRIMERS SHALL BE FIELD INSTALLED ABOVE CEILING IN ACCESSIBLE LOCATION. FIELD ROUTE TRAP PRIMER PIPING BELOW GRADE FROM DRAIN CONNECTION TO AUTOMATIC TRAP PRIMER AND CONNECT. CONTRACTOR NOT TO EXCEED THE MANUFACTURERS RECOMMENDED DISTANCE PRIOR TO INSTALLATION WITH EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. TRAP PRIMER PIPING MAY NOT BE SHOWN ON RISER DIAGRAMS FOR CLARITY.



Stantec logo and contact information: 1200 Brickyard Lane, Suite 400, Baton Rouge, LA 70802, Tel: 225-765-7400, www.stantec.com

Revision table with columns for Revision, By, and Date.

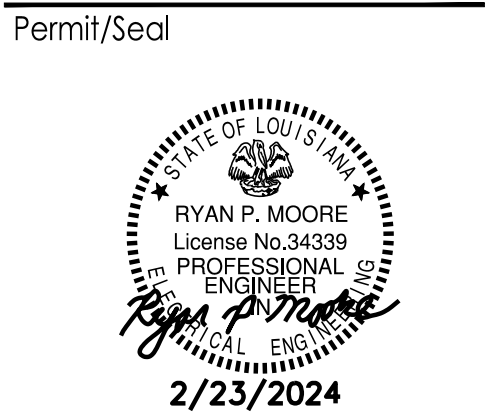
Permit/Seal table with columns for Permit/Seal, By, and Date.



Client/Project: PET Scan Addition to BRCC
Project No.: 222706047
File Name: 2228964P1
Scale: AS SHOWN
HCE, Dwn, Drgn, Chkd, 2024.02.27
Title: PLUMBING FLOOR PLAN & RISER DIAGRAM
Revision: Sheet: 1 of 1
Drawing No. P1.1

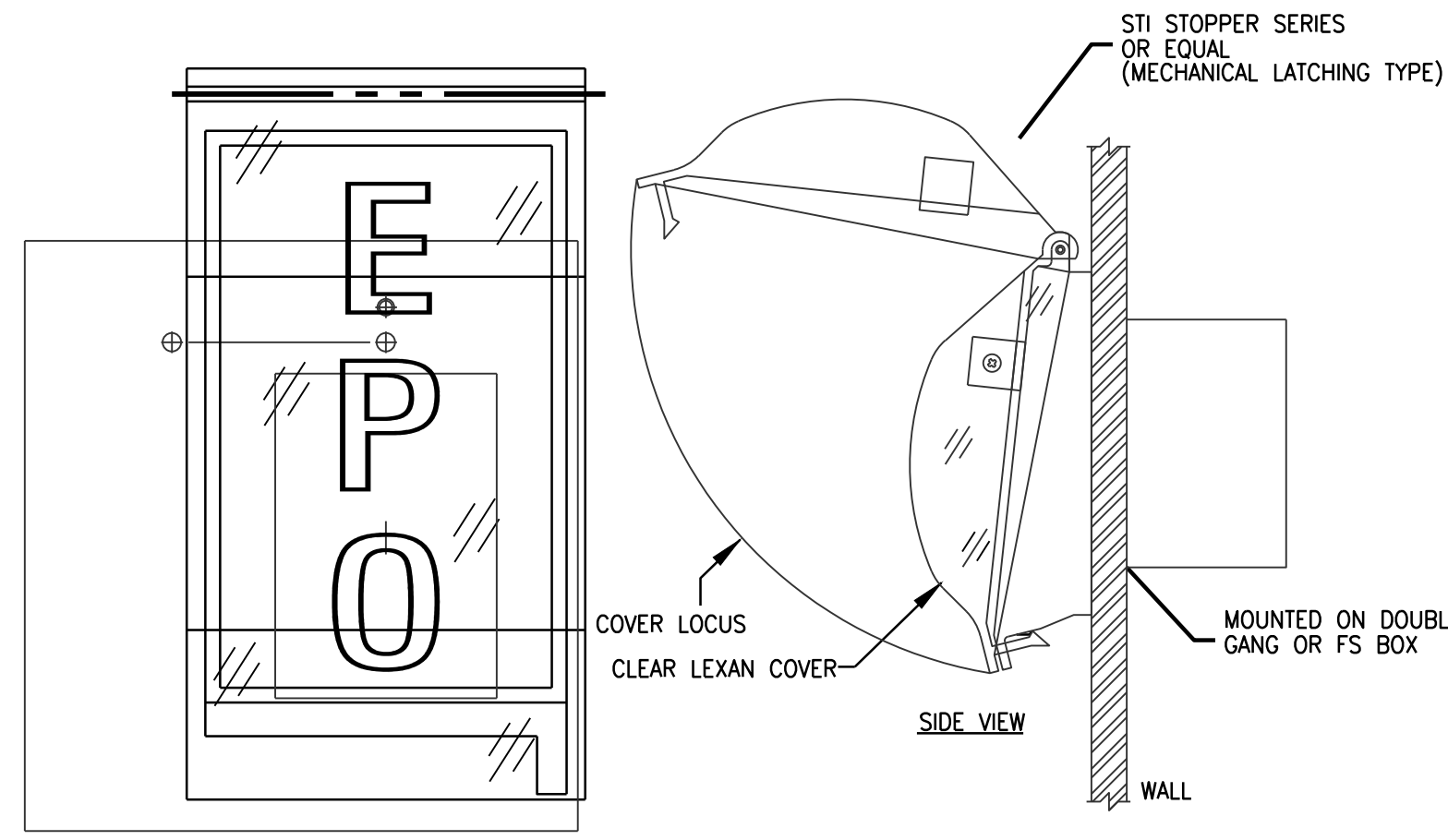


Rev	By	Appd	Issued

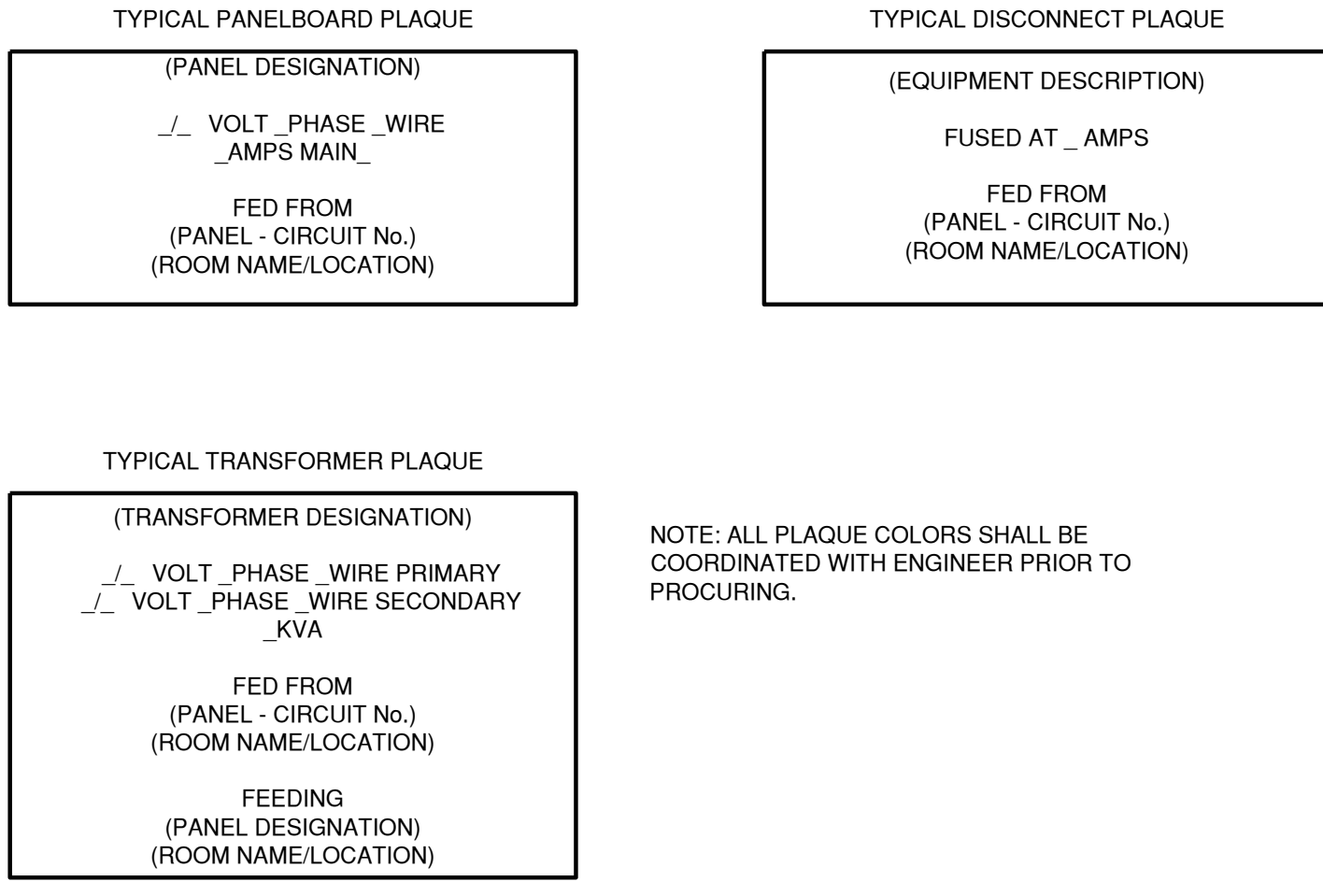


Client/Project: BRCC
PET Imaging Addition
5231 Brittany Drive
Baton Rouge, LA

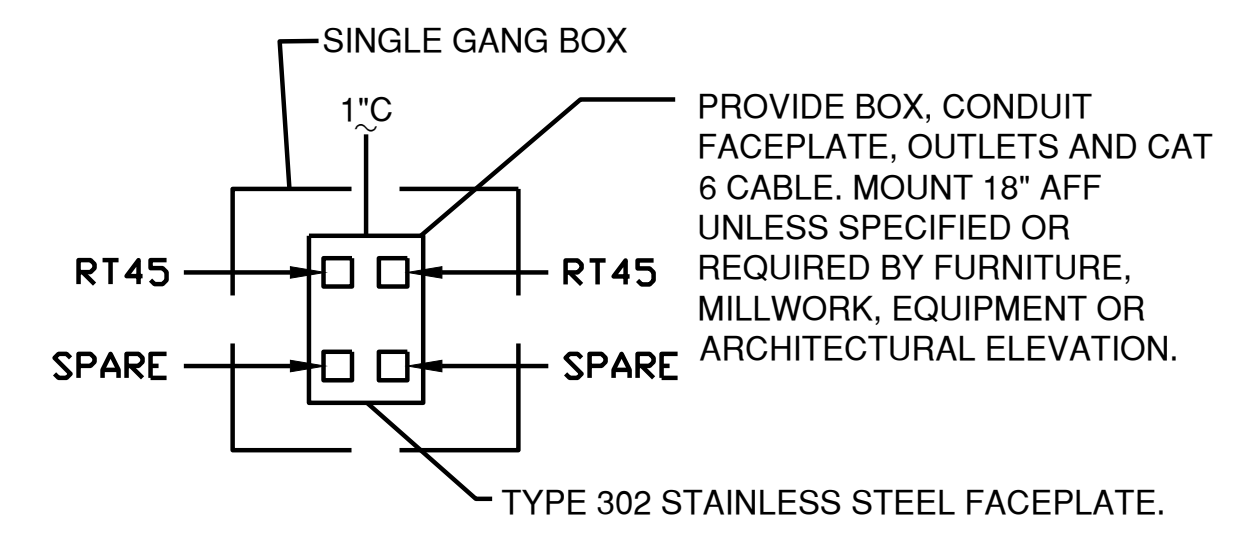
Project No.:
Scale:
Dwn. Dgn. Chk. 2024.02.23
Title: DETAILS
Revision: Sheet: 1 of 1
Drawing No. E1.1



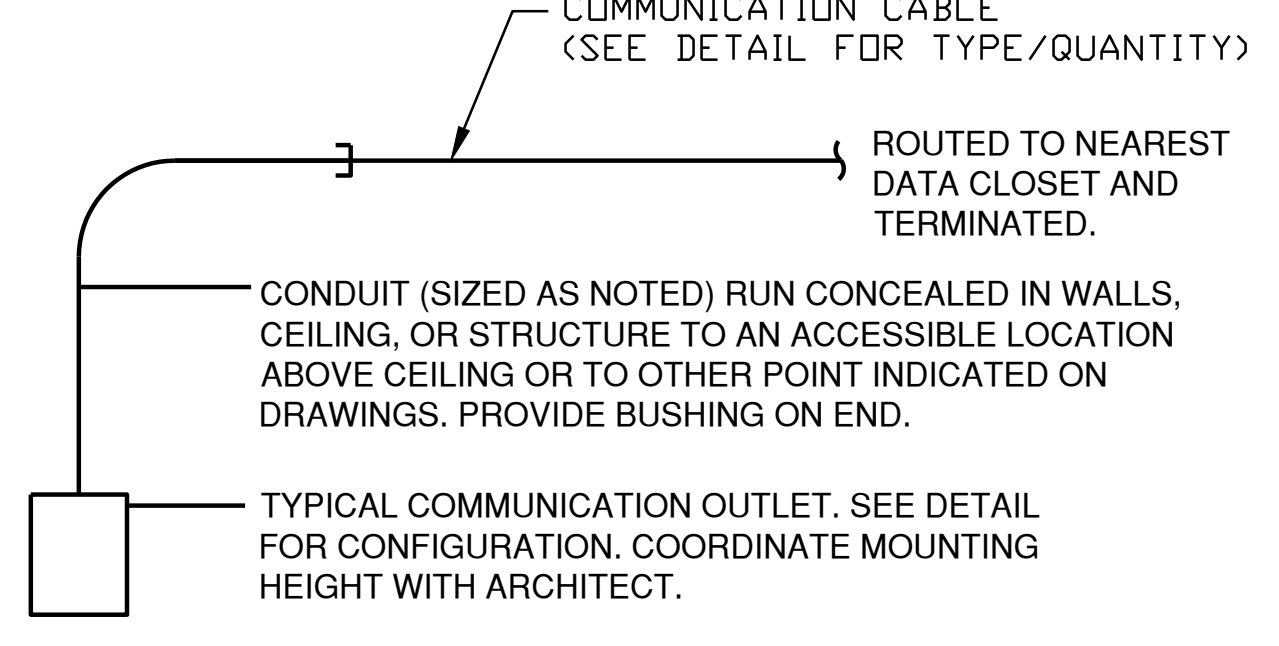
A EPO Push Button Station Assembly
E1.1 Scale: NTS



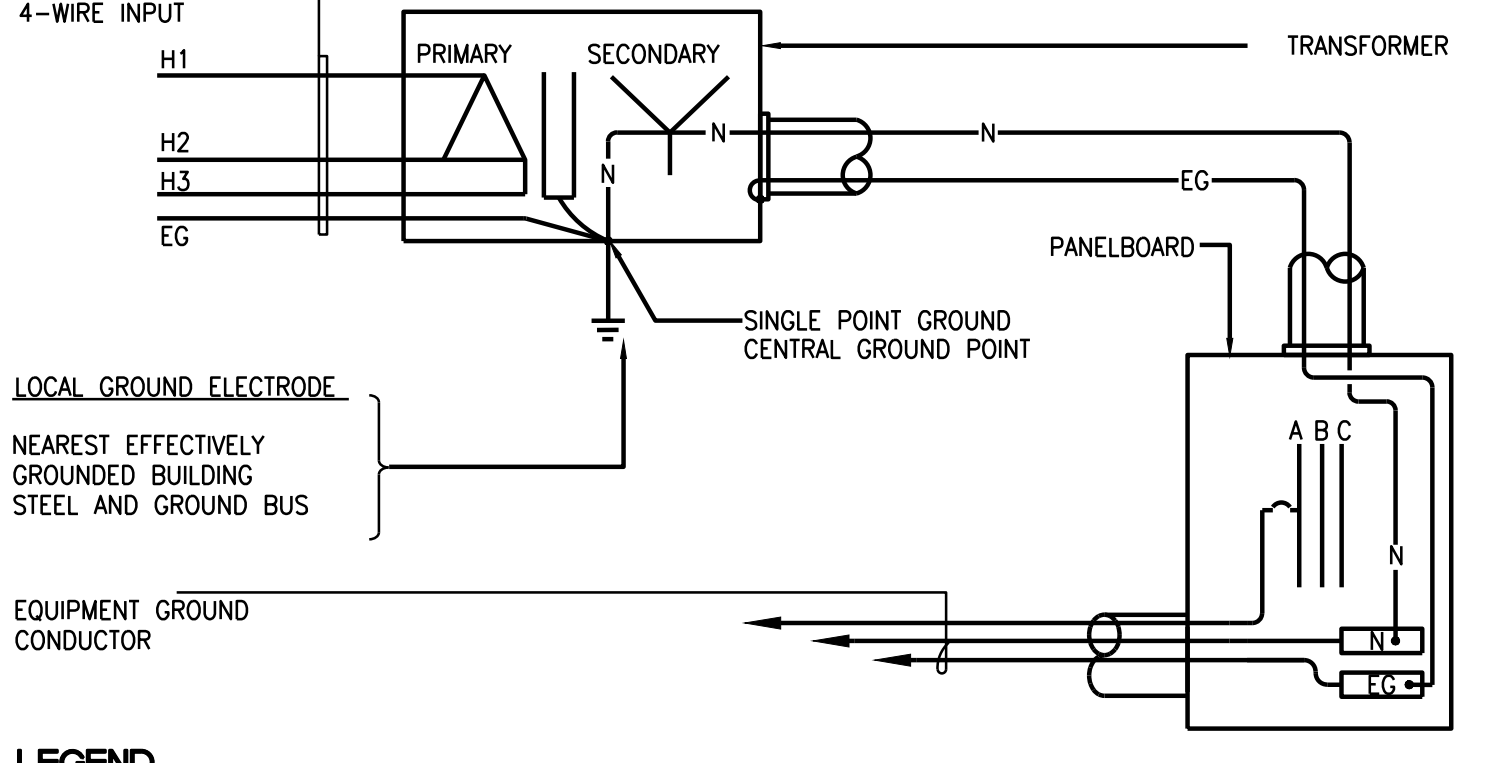
C EQUIPMENT LABELING DETAIL
E1.1 SCALE: NTS



B Communications Outlet Details
E1.1 SCALE: NTS



TYPICAL CONSTRUCTION



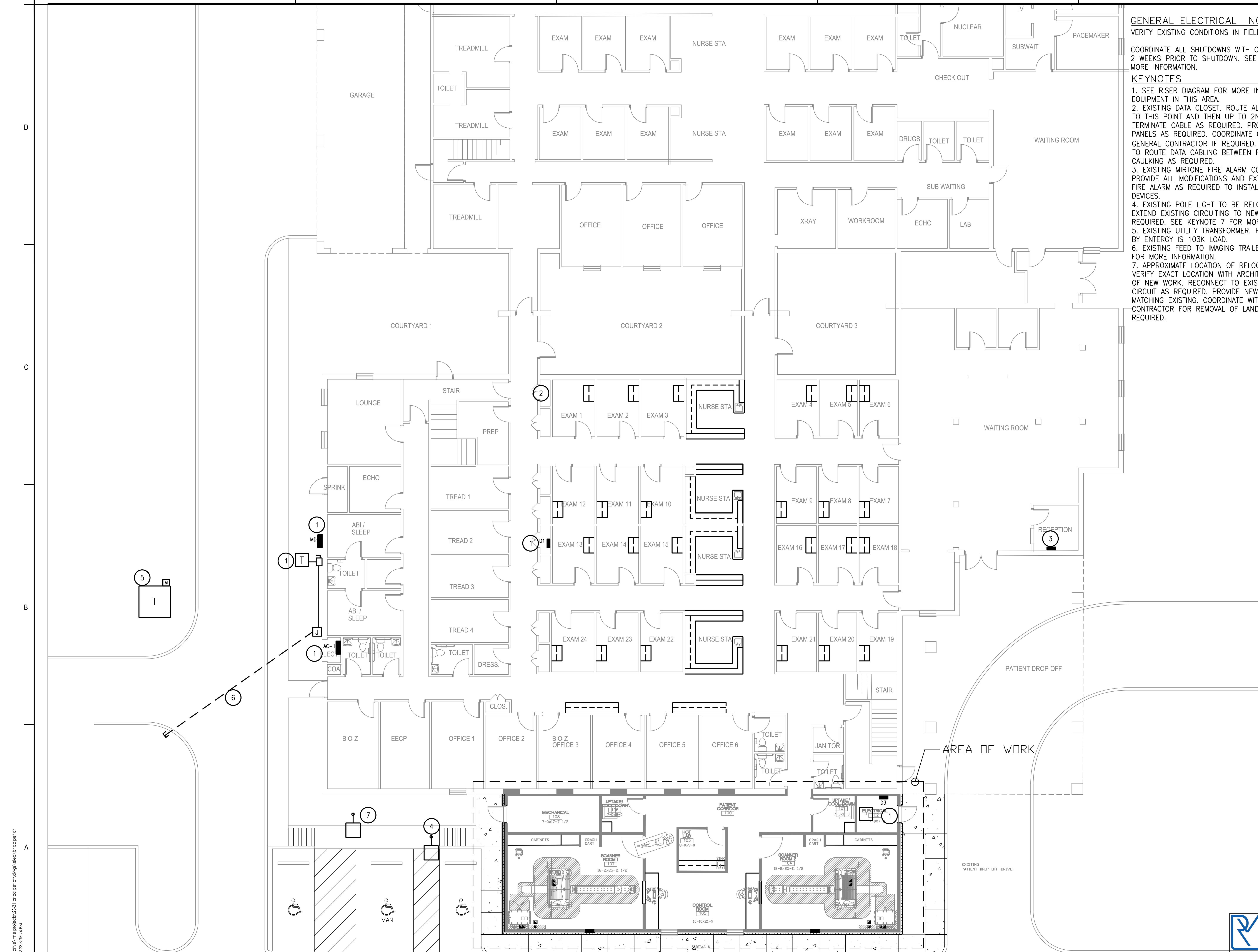
LEGEND
N - NEUTRAL
IG - ISOLATED GROUND
EG - EQUIPMENT GROUND

D Transformer Grounding Detail
E1.1 Scale: NTS

TYPE	MANUFACTURER	CATALOG No.	LAMPS			VOLTS	MOUNTING	REMARKS
			NO.	WATTS	TYPE			
F1	COLUMBIA METALUX	VSY22 35 MLHE G ED U 22 EN LD2 34 UNV L835 CD1	-	28	LED	UNV	RECESSED	
F1A	COLUMBIA METALUX	VSY22 35 VLHE G ED U 22 EN LD2 39 UNV L835 CD1	-	33	LED	UNV	RECESSED	
F2	COLUMBIA METALUX	VSY24 35 MLHE G ED U 24 EN LD2 45 UNV L835 CD1	-	38	LED	UNV	RECESSED	
F3	PRESCOLITE HALO	LFR-6RD-M 15L 35K 8 MD DM1 LFR-6RD-T S WT HC6 15 D010 HM6 0525 835 81MDH WF	-	15	LED	UNV	RECESSED	
F3A	PRESCOLITE HALO	LFR-6RD-M 25L 35K 8 MD DM1 LFR-6RD-T S WT HC6 25 D010 HM6 -525 835 61MD HWF	-	28	LED	UNV	RECESSED	
F4	COLUMBIA METALUX	MPS 4 40 ML C N ED U 4SLSTP4040 DD UNV	-	38	LED	UNV	SURFACE	
WL	DUALLITE BARRON	OBN U S R W - OBN-KIT DIFF SW23 4D2 EX LB BA SS	-	-	LED	UNV	SURFACE	SIGN SHALL READ "CT IN USE"
EX	DUALLITE SURE LITES	EVE U R W E LPX 7SD	-	-	LED	UNV	SURFACE	
H1	BEACON MCGRAW EDISON	RD12 36L-55 4K7 4W UNV DBT BTSO ISC SA1 E740U T4W BZ ZW W0BXX	-	58	LED	UNV	SURFACE	COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

LIGHTING FIXTURE SCHEDULE NOTES
1. EXIT AND EMERGENCY LIGHTING FIXTURES SHALL BE UNSWITCHED.
2. VERIFY ALL FINISHES AND COLOR TEMPERATURES WITH ARCHITECT PRIOR TO PROVIDING LIGHTING SUBMITTALS.
3. LIGHTING FIXTURES SHOWN IN SCHEDULE SET FORTH A MINIMUM STANDARD OF MATERIAL, CONSTRUCTION, AND OUTPUT. ALL LIGHTING FIXTURE PRIOR APPROVALS SHALL BE PROVIDED WITH A POINT BY POINT FOOTCANDLE CALCULATION FOR EVERY ROOM AND EXTERIOR SPACE THAT IS PART OF THIS PROJECT.
4. PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM AS REQUIRED TO MEET IECC 2021. PROVIDE ALL WIRING DEVICES, CONTROLLERS, RELAYS, OCCUPANCY SENSORS, ETC. AS REQUIRED FOR A COMPLETE LIGHTING CONTROL SYSTEM.

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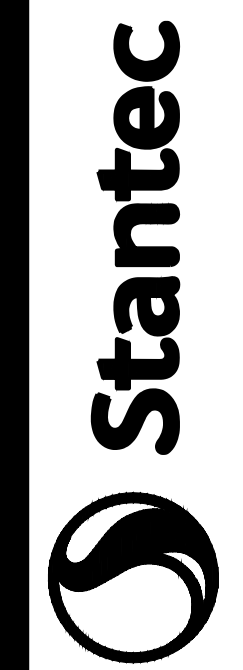


GENERAL ELECTRICAL NOTES
 VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO BID.

COORDINATE ALL SHUTDOWNS WITH OWNER A MINIMUM OF 2 WEEKS PRIOR TO SHUTDOWN. SEE RISER DIAGRAM FOR MORE INFORMATION.

KEYNOTES

1. SEE RISER DIAGRAM FOR MORE INFORMATION ON EQUIPMENT IN THIS AREA.
2. EXISTING DATA CLOSET. ROUTE ALL NEW DATA CABLING TO THIS POINT AND THEN UP TO 2ND FLOOR DATA ROOM. TERMINATE CABLE AS REQUIRED. PROVIDE NEW PATCH PANELS AS REQUIRED. COORDINATE CORE DRILLING WITH GENERAL CONTRACTOR IF REQUIRED. PROVIDE 4" CONDUITS TO ROUTE DATA CABLING BETWEEN FLOORS. PROVIDE FIRE CAULKING AS REQUIRED.
3. EXISTING MIRTONE FIRE ALARM CONTROL PANEL. PROVIDE ALL MODIFICATIONS AND EXTENSIONS TO EXISTING FIRE ALARM AS REQUIRED TO INSTALL NEW FIRE ALARM DEVICES.
4. EXISTING POLE LIGHT TO BE RELOCATED. SPLICE AND EXTEND EXISTING CIRCUITING TO NEW LOCATION AS REQUIRED. SEE KEYNOTE 7 FOR MORE DETAIL.
5. EXISTING UTILITY TRANSFORMER. PEAK DEMAND PROVIDED BY ENTERGY IS 103K LOAD.
6. EXISTING FEED TO IMAGING TRAILER. SEE RISER DIAGRAM FOR MORE INFORMATION.
7. APPROXIMATE LOCATION OF RELOCATED POLE LIGHT. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO START OF NEW WORK. RECONNECT TO EXISTING POLE LIGHTING CIRCUIT AS REQUIRED. PROVIDE NEW CONCRETE BASE, MATCHING EXISTING. COORDINATE WITH GENERAL CONTRACTOR FOR REMOVAL OF LANDSCAPE WHERE REQUIRED.



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BRCC
 PET Imaging Addition

5231 Brittany Drive
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Project No.:
 File Name: BR CC PET CT

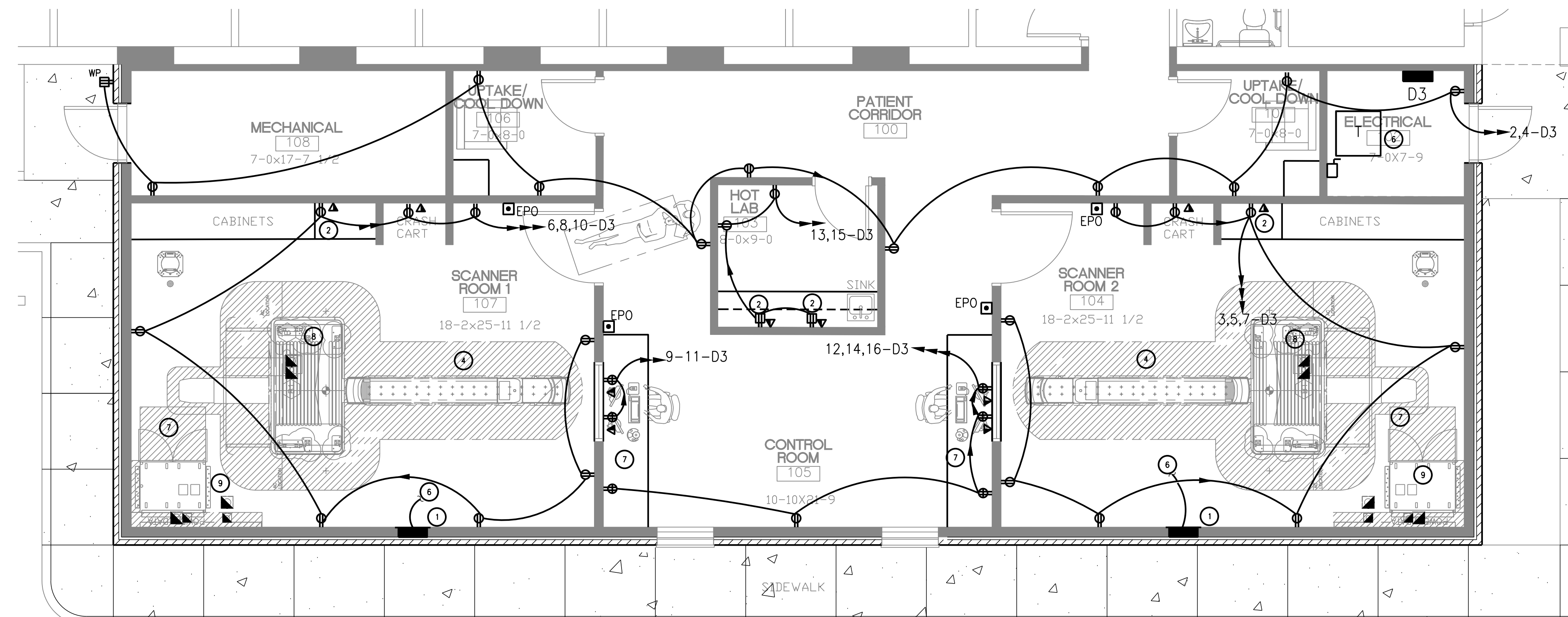
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Title
OVERALL PLANS

Revision: Sheet: 1 of 1
 Drawing No.



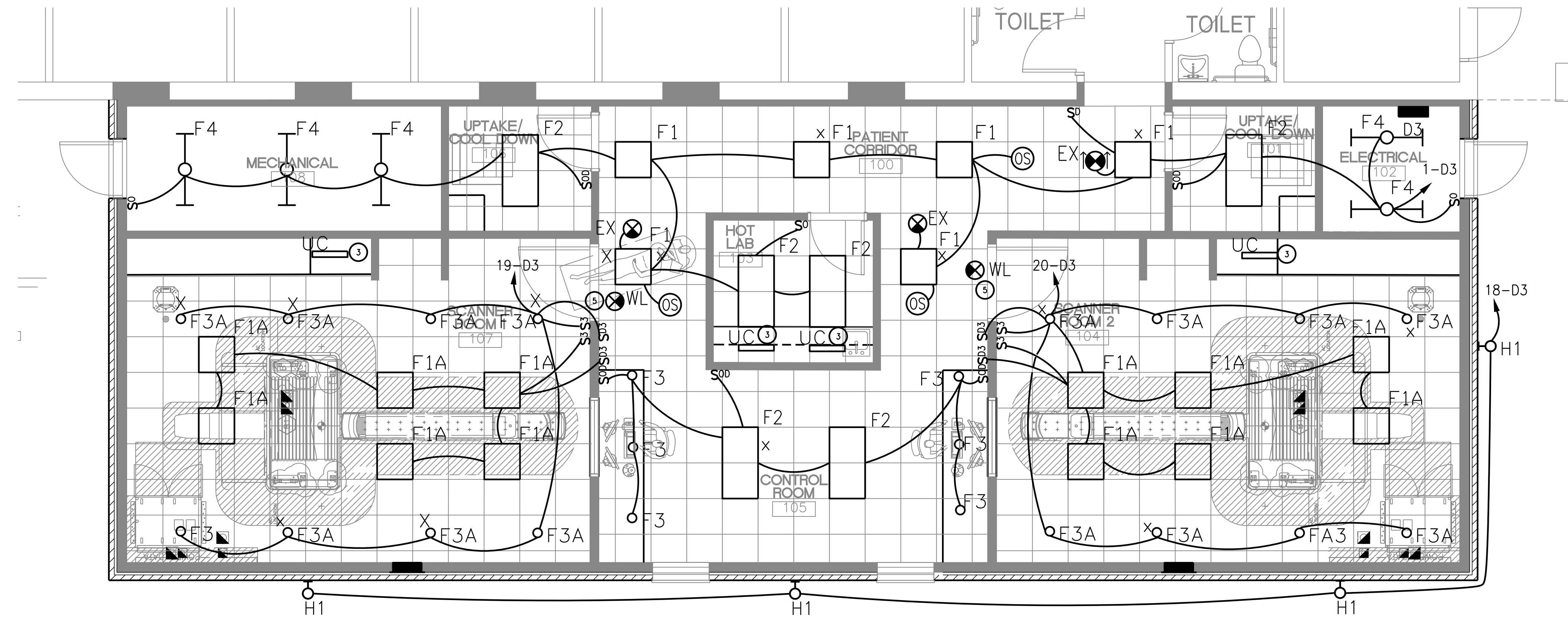


A ELECTRICAL FLOOR PLAN
 E3.0 SCALE: 1/8"=1'-0"

GENERAL ELECTRICAL NOTES
 COORDINATE LOCATION OF ALL OUTLETS (RECEPTACLES, SWITCHES, TELECOMMUNICATION DEVICES, TV OUTLETS, ETC.) WITH FURNITURE, MILLWORK, EQUIPMENT DRAWINGS, ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

ALL LIGHTING CONTROLS SHALL MEET IECC 2021. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE SYSTEM. LIGHTING CONTROLS SHALL BE BY COOPER OR LUTRON. PROVIDE FULL CONTROLS LAYOUT SHOWINGS ALL REQUIRED COMPANIES, WIRING DEVICES ETC. PRIOR TO SUBMITTING EQUIPMENT FOR APPROVAL. PROVIDE ALL REQUIRED PROGRAMMING.

- KEYNOTES**
1. ELECTRICAL PANEL FOR PET CT WITH 80A SHUNT TRIP CIRCUIT BREAKER. WIRE TO EPO DEVICES PER WIRING INSTRUCTIONS ON SIEMENS DRAWINGS. GROUND WIRE SIZE SHALL MATCH PHASE AND NEUTRAL CONDUCTOR SIZE. PROVIDE ALL GROUNDING AND BONDING PER SIEMENS DRAWINGS. PROVIDE THIS DEVICE AND ALL WIRING BEYOND THIS POINT AS REQUIRED BY THE LATEST. SITE SPECIFIC SIEMENS DRAWINGS, PROVIDED AS PART OF THE DRAWING PACKAGE. CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS, DISCONNECTS, CONDUITS, CONDUCTORS, BOXES, FITTINGS, CHANNEL, FLOOR DUCTS, PANEL BOARDS, AND OTHER ELECTRICAL EQUIPMENT, DEVICES AND APPURTENANCES NOT PROVIDED BY SIEMENS AS INDICATED ON THE SIEMENS DRAWINGS. PROVIDE ALL EPO CONTACTS PER SIEMENS DRAWINGS.
 2. MOUNT ABOVE COUNTER.
 3. MOUNT UNDER CABINET AND CONNECT NEAREST 120V RECEPTACLE CIRCUIT WITH CAPACITY. PROVIDE ALL ACCESSORIES REQUIRED AND INSTALL IN NEAT MANNER.
 4. SEE IMAGING EQUIPMENT DRAWINGS FOR MORE WORK IN THIS AREA.
 5. CONNECT WARNING LIGHT TO IMAGING EQUIPMENT AS REQUIRED BY MANUFACTURER PROVIDE ALL RELAYS, CONNECTIONS, ETC AS REQUIRED FOR A COMPLETE INSTALLATION.
 6. SEE RISER DIAGRAM FOR MORE INFORMATION.
 7. SEE SIEMENS DRAWINGS FOR LOCATIONS OF VERTICAL DUCTS, HORIZONTAL DUCTS, AND FLOOR DUCTS. COORDINATE DIMENSIONS LENGTH, ETC WITH SIEMENS.
 8. SEE SIEMENS DRAWING FOR GANTRY OPENING DETAIL. PROVIDE DIVIDED FLOOR DUCT WHERE SHOWN.
 9. SEE RISER DIAGRAM FOR CIRCUITING REQUIRED BETWEEN SHUNT BREAKER AND PDCC. SEE SIEMENS DRAWINGS FOR MORE DETAIL.



B LIGHTING FLOOR PLAN
 E3.0 SCALE: 1/8"=1'-0"

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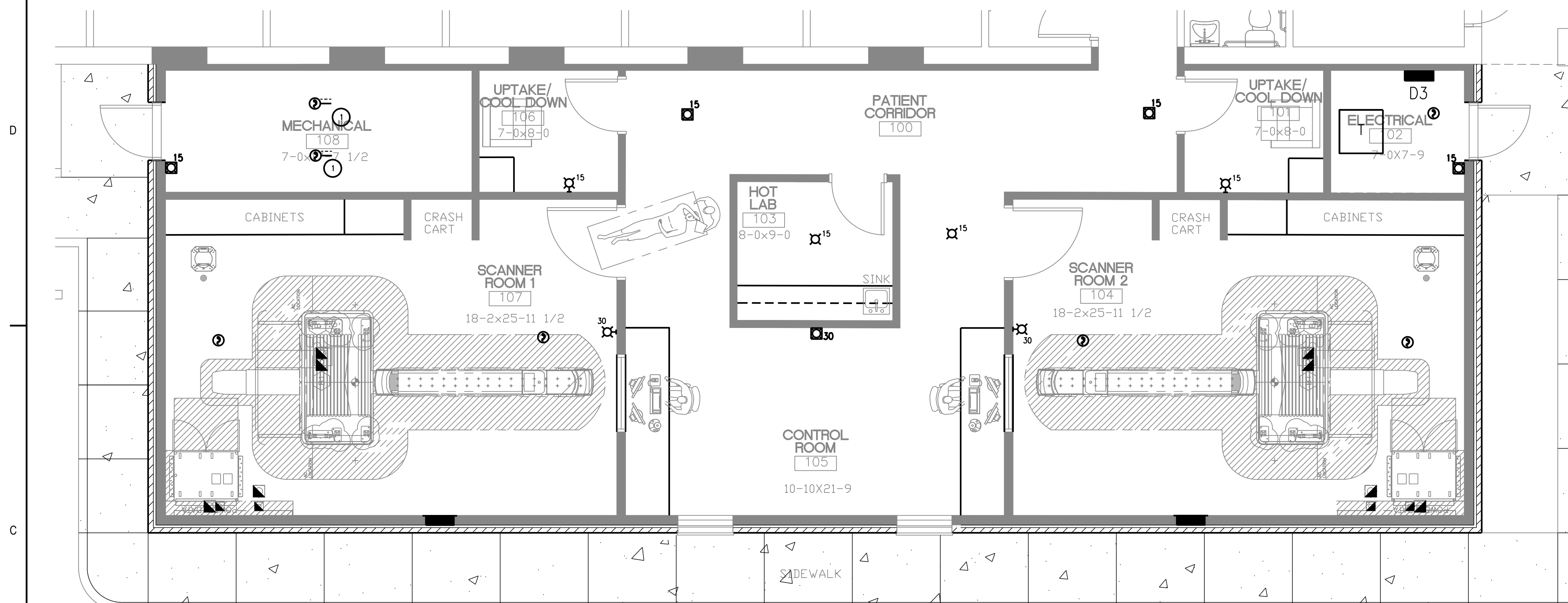
Project No.:
 File Name: BR CC PET CT

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 8 1/2
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ELECTRICAL AND LIGHTING PLANS
 Revision: Sheet: 1 of 1
 Drawing No.



A SPECIAL SYSTEMS FLOOR PLAN
E3.1 SCALE: 1/4"=1'-0"

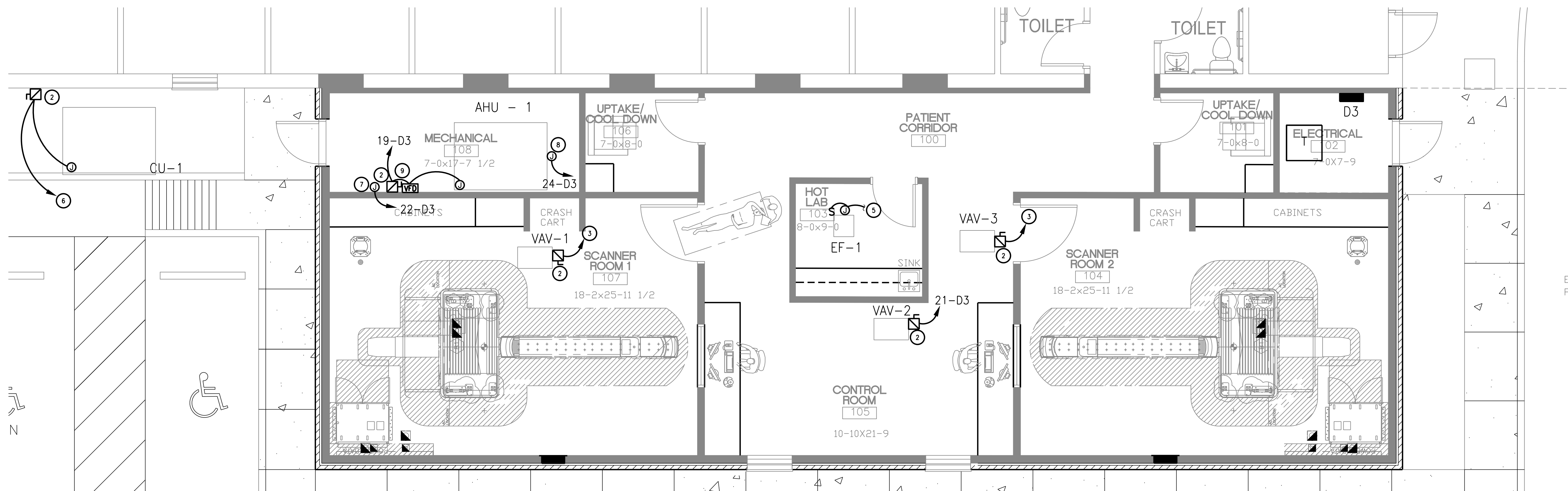
GENERAL NOTES

CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM AS REQUIRED.

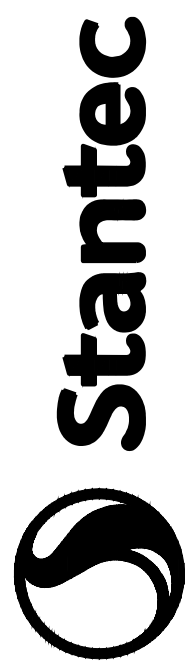
COORDINATE BREAKER, WIRE, CONDUIT, ETC. SIZES REQUIRED BY HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ANY ASSOCIATED ELECTRICAL EQUIPMENT.

KEYNOTES

1. CONNECT DUCT DETECTORS TO FIRE ALARM AS REQUIRED TO SHUT DOWN HVAC EQUIPMENT ON ALARM.
2. CONNECT MECHANICAL EQUIPMENT AS REQUIRED. PROVIDE FUSED DISCONNECT SWITCH FUSED PER NAMEPLATE DATA.
3. PROVIDE NEW 70A/3P CIRCUIT BREAKER IN EXISTING PANEL AC-2 LOCATED IN ATTIC SPACE. CONNECT TO NEW BREAKER USING 4#4, 1#8G, 1 1/4". PROVIDE 100A, 240V, FUSIBLE DISCONNECT SWITCH, FUSED PER VAV NAMEPLATE DATA.
4. ROUGH-IN AS REQUIRED FOR VAV BOX. PROVIDE 30A, 240V, FUSIBLE DISCONNECT SWITCH, FUSED PER VAV NAMEPLATE DATA.
5. INTERCONNECT EXHAUST FAN CIRCUITING WITH LIGHTING CIRCUIT IN VICINITY. PROVIDE TOGGLE STYLE DISCONNECT SWITCH IN BOX ADJACENT TO FAN AND CONNECT AS REQUIRED.
6. PROVIDE A NEW 80A/3P CIRCUIT BREAKER IN EXISTING PANEL MD AND CONNECT TO CU-1 DISCONNECT USING 4#4, 1#8G, 1 1/4". COORDINATE ROUTING ON SITE WITH EXISTING CONDITIONS.
7. ROUGH-IN AS REQUIRED FOR TEMPERATURE CONTROL PANEL. COORDINATE WITH MECHANICAL CONTRACTOR.
8. CONNECT MOTORIZED DAMPER AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.
9. PROVIDE DISCONNECT WITH AUXILIARY CONTACT AND CONNECT TO VFD AS REQUIRED. CONNECT AUXILIARY CONTACT SUCH THAT IT SIGNALS THE VFD TO SHUT DOWN PRIOR TO THE DISCONNECT SWITCH BEING THROWN. CONNECT VFD AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR ON SITE.



B MECHANICAL CONNECTION FLOOR PLAN
E3.1 SCALE: 1/4"=1'-0"



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Title

SPECIAL SYSTEMS PLANS

Revision: Sheet: 1 of 1
Drawing No.

E3.1



ME
CONSULTANTS
RYAN MOORE ENGINEERING
LOCAL LICENSE
STATE OF LOUISIANA
PROFESSIONAL ENGINEER
LICENSE NO. 34339
2/23/2024

PANEL: <u>D3</u>		MAIN: <u>LUGS ONLY</u>		RATING: <u>225 AMPS</u>	
VOLTAGE: <u>208/120V, 3 PHASE, 4 WIRE</u>		LOCATION: <u>ELEC ROOM</u>			
CONNECTED LOAD:		MOUNTING: <u>SURFACE</u>			

CKT No	DESCRIPTION	COND WIRE SIZE	TRIP AMP	LOAD (VA)			L1	L2	L3	LOAD (VA)	TRIP AMP	WIRE SIZE	COND	DESCRIPTION	CKT No
				L1	L2	L3									
1	LIGHTING	1/2	12	20	615				900	900	20	12	1/2	RECEPTACLES	2
3	RECEPTACLES	1/2	12	20	540				540	680	20	12	1/2	RECEPTACLES	4
5	-	-	-	-	540				540		-	-	-	-	6
7	-	-	-	-	680				540		-	-	-	-	8
9	RECEPTACLES	1/2	12	20	360				360	360	20	12	1/2	RECEPTACLES	10
11	-	-	-	-	360				360		-	-	-	-	12
13	RECEPTACLES	1/2	12	20	360				360	900	20	12	1/2	RECEPTACLES	14
15	-	-	-	-	360				900		-	-	-	-	16
17	EPO POWER	1/2	12	20	100						20	12	1/2	LIGHTING	18
19	LIGHTING	1/2	12	20							20	12	1/2	LIGHTING	20
21	VAV-2	3/4	10	30	2500				150	20	12	1/2	TEMPERATURE CONTROL PANEL	22	
23	-	-	-	-	2500				100	20	12	1/2	MOTORIZED DAMPER	24	
25	-	-	-	-	2500					20	20	-	-	SPARE	26
27	SPARE	-	-	-	30						-	-	-	SPARE	28
29	-	-	-	-							-	-	-	-	30
31	SPACE ONLY	-	-	-							-	-	-	-	32
33	-	-	-	-							-	-	-	-	34
35	-	-	-	-						20	-	-	-	SPACE ONLY	36
37	-	-	-	-							-	-	-	-	38
39	-	-	-	-							-	-	-	-	40
41	-	-	-	-							-	-	-	-	42
				TOTAL CONNECTED LOAD (KVA)											

MIN. KAIC: 22

SIZE (kVA)	FEEDERS	
	PRIMARY 480V DELTA	SECONDARY 208Y/120V
9	3 #12, #12 G IN 1/2" C.	4 #8, #8 G IN 1" C.
15	3 #10, #10 G IN 1/2" C.	4 #6, #8 G IN 1 1/2" C.
30	3 #8, #10 G IN 3/4" C.	4 #2, #6 G IN 1 1/2" C.
45	3 #4, #8 G IN 1 1/4" C.	4 #2/0, #4 G IN 2" C.
75	3 #1, #6 G IN 1 1/2" C.	4 #250KCMIL, #2 G IN 3" C.
112.5	3 #2/0, #6G IN 2" C.	4 #600KCMIL, #1/0 G IN 4" C.
150	3 #4/0, #4G IN 2" C.	2 SETS 4 #350KCMIL, #2/0 G IN 3" C.
225	3 #500KCMIL, #3 G IN 3" C.	2 SETS 4 600KCMIL, #3/0 G IN 4" C.
300	3 #750KCMIL, #2 G IN 3 1/2" C.	3 SETS 4 400KCMIL, #3/0 G IN 3 1/2" C.
500	2 SETS 3 #500KCMIL, #1/0 G IN 3" C.	5 SETS 4 600KCMIL, #3/0 G IN 4" C.
750	3 SETS 3 #600KCMIL, #3/0 G IN 3 1/2" C.	6 SETS 4 600KCMIL, #3/0 G IN 4" C.

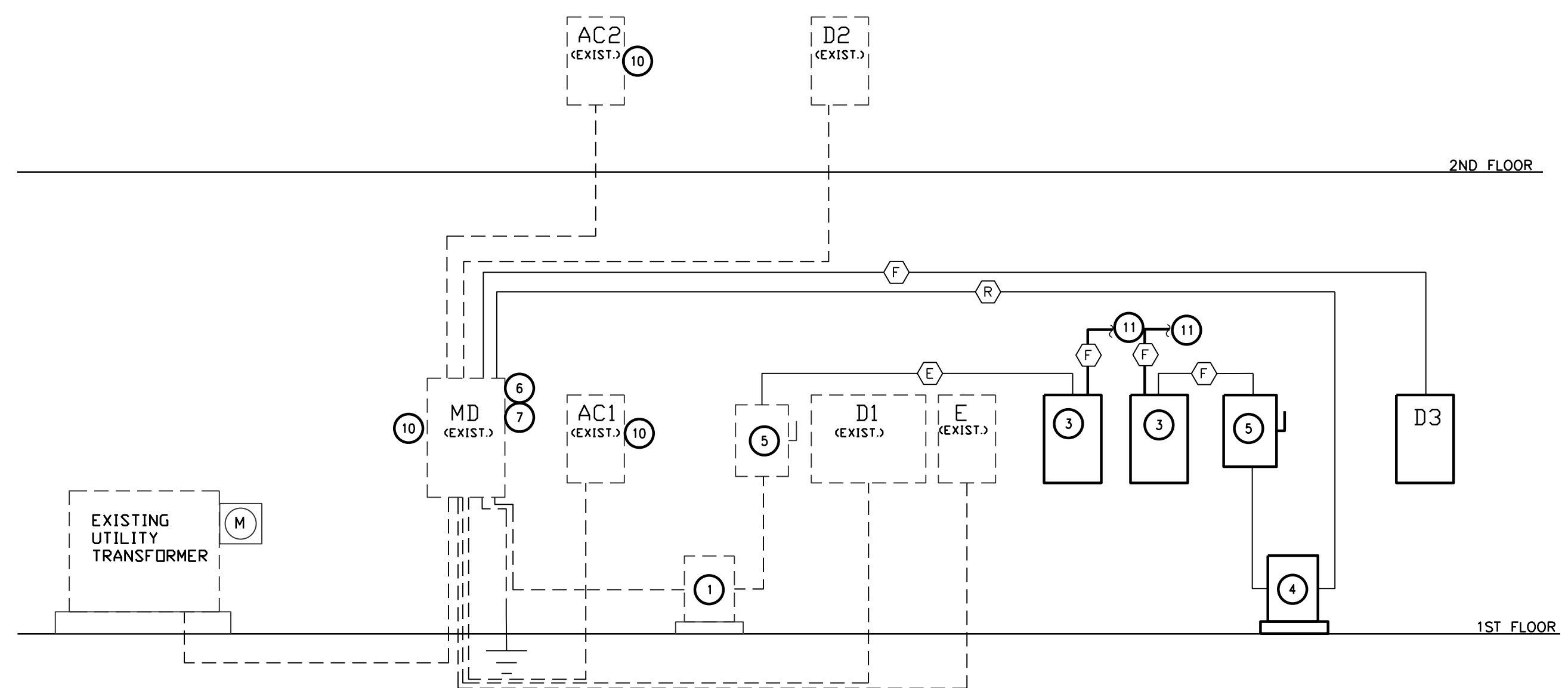
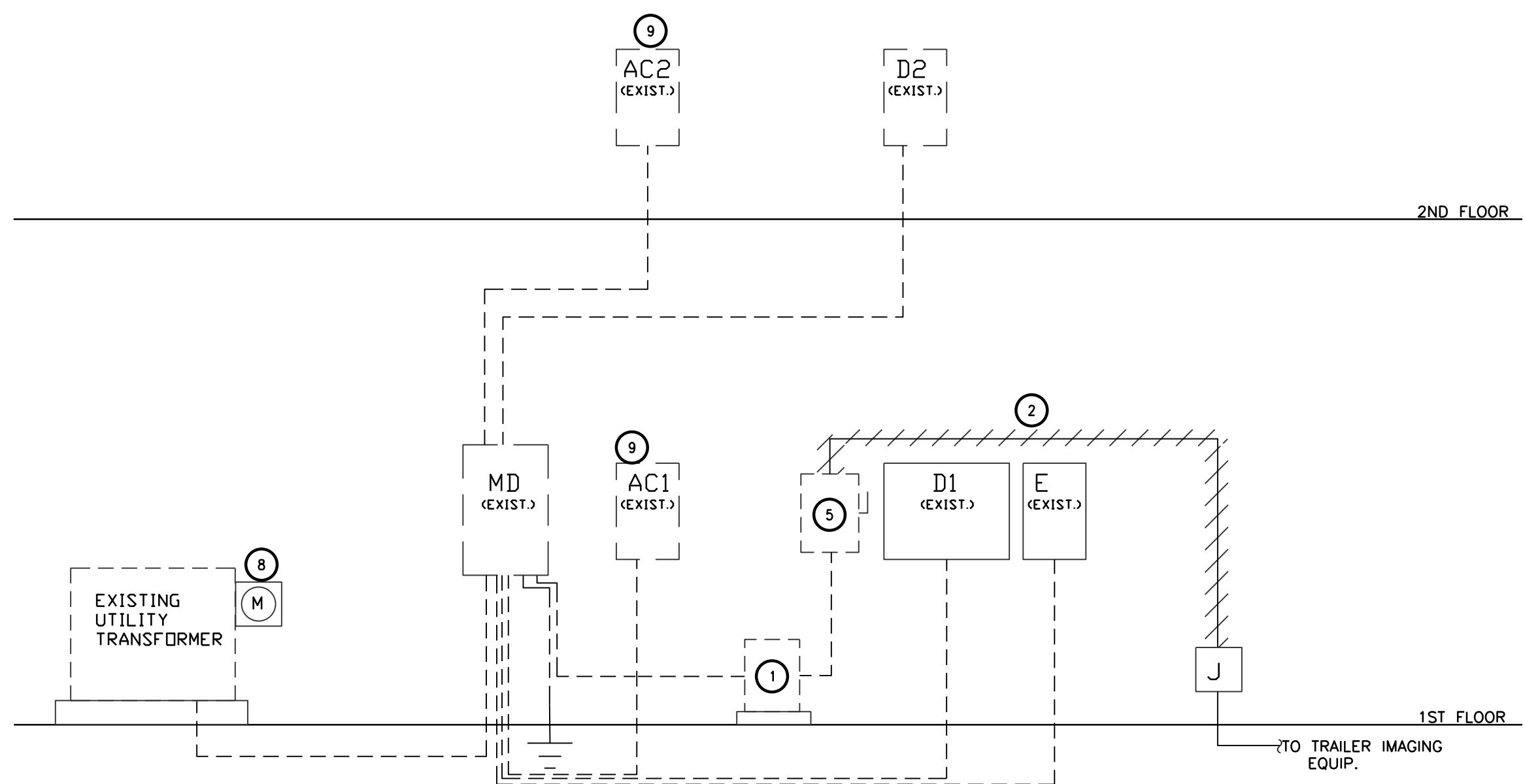
THE GROUNDING ELECTRODE CONDUCTOR FOR THE TRANSFORMER SECONDARY SHALL BE THE SAME SIZE AS THE SECONDARY FEEDER EQUIPMENT GROUNDING CONDUCTOR. SEE NFPA 70 ARTICLE 250.30 FOR ADDITIONAL REQUIREMENTS OF GROUNDING SEPARATELY DERIVED SYSTEMS.

COPPER FEEDER SCHEDULE

MARK	CONDUCTORS	MIN. CONDUIT SIZE		
		4W+G	3W+G	2W+G
A	#12 WITH #12 GROUND	3/4"	1/2"	1/2"
B	#10 WITH #10 GROUND	1"	3/4"	3/4"
C	#8 WITH #10 GROUND	1 1/4"	1"	1"
D	#6 WITH #8 GROUND	1 1/2"	1"	1"
E	#4 WITH #8 GROUND	2"	1 1/2"	1 1/2"
F	#3 WITH #8 GROUND	2"	1 1/2"	1 1/2"
G	#2 WITH #6 GROUND	2"	2"	2"
H	#1 WITH #6 GROUND	2"	1 1/2"	1 1/2"
I	#1/0 WITH #6 GROUND	2"	2"	2"
J	#2/0 WITH #6 GROUND	2 1/2"	2"	2"
K	#3/0 WITH #6 GROUND	3"	2 1/2"	2 1/2"
L	#4/0 WITH #4 GROUND	3"	2 1/2"	2 1/2"
M	#250KCMIL WITH #4 GROUND	3"	3"	3"
N	#300KCMIL WITH #4 GROUND	3"	3"	3"
O	#350KCMIL WITH #3 GROUND	3"	3"	3"
P	#400KCMIL WITH #3 GROUND	3"	3"	3"
Q	#500KCMIL WITH #3 GROUND	3 1/2"	3"	3"
R	#600KCMIL WITH #2 GROUND	4"	3 1/2"	3 1/2"
S	#750KCMIL WITH #2 GROUND	4"	3 1/2"	3 1/2"
T	(2 SETS) #250KCMIL WITH #2 GROUND	3"	2 1/2"	
U	(2 SETS) #350KCMIL WITH #1 GROUND	3"	3"	
V	(2 SETS) #400KCMIL WITH #1/0 GROUND	3"	3"	
W	(2 SETS) #500KCMIL WITH #1/0 GROUND	3 1/2"	3"	
X	(3 SETS) #500KCMIL WITH #2/0 GROUND	3 1/2"	3"	
Y	(4 SETS) #600KCMIL WITH #4/0 GROUND	4"	3 1/2"	
Z	(5 SETS) #600KCMIL WITH #250 GROUND	4"	3 1/2"	

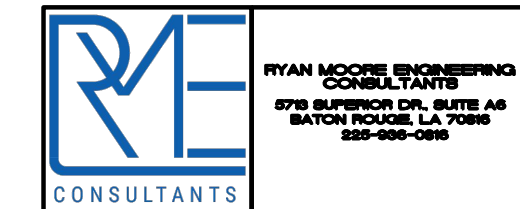
NUMERIC SUBSCRIPT INDICATES QUANTITY OF CURRENT CARRYING CONDUCTORS. IF THERE IS NO SUBSCRIPT, PROVIDE FOUR CURRENT CARRYING CONDUCTORS (3 PHASE PLUS NEUTRAL). SUBSCRIPT "V" INDICATES THAT THE FEEDER HAS BEEN UPSIZED FOR VOLTAGE DROP.
 EXAMPLES: (D)₃ REPRESENTS 3#1 WITH #6 GROUND IN 1 1/2" CONDUIT.
 (H)₄ REPRESENTS 4 #1 WITH #6 GROUND IN 2" CONDUIT.
 SEE SPECIFICATIONS FOR CONDUIT AND WIRE INSULATION REQUIREMENTS.

- #### GENERAL ELECTRICAL NOTES
- DASHED EQUIPMENT/CIRCUITS ON RISER DIAGRAMS DENOTES EXISTING EQUIPMENT TO REMAIN.
- #### KEYNOTES
- EXISTING 208V/3P PRIMARY, 480Y277V/3P SECONDARY, 150KVA, NEMA 3R TRANSFORMER TO REMAIN. TRANSFORMER CURRENTLY SERVES TEMP TRAILER IMAGING EQUIPMENT. COORDINATE WITH OWNER FOR ALL SHUT DOWNS REQUIRED TO DISCONNECT FEED FROM TRAILER TO PERMANENT CT EQUIPMENT.
 - COORDINATE WITH OWNER FOR DEMOLITION OF EXISTING TEMP TRAILER IMAGING FEEDER. ALL SHUTDOWNS SHALL BE COORDINATED WITH OWNER A MINIMUM OF 2 WEEKS IN ADVANCE. REMOVE EQUIPMENT THAT WILL NOT BE REUSED AND AS REQUIRED BY OWNER.
 - 80A/3P, ENCLOSED SHUNT TRIP CIRCUIT BREAKER. PROVIDE ALL CONNECTIONS REQUIRED BY IMAGING EQUIPMENT DRAWINGS.
 - 208V/3P PRIMARY, 480Y/277V, 3 PHASE SECONDARY, 112.5KVA TRANSFORMER. TRANSFORMER SHALL BE POI OR PRIOR APPROVED EQUAL AND SHALL MEET ALL IMPEDANCE, CAPACITY, AND REQUIREMENTS NOTED BY SIEMENS DRAWINGS.
 - EXISTING DISCONNECT SWITCH TO REMAIN. REFUSE PER CT EQUIPMENT REQUIREMENTS.
 - PROVIDE NEW 100A/3P CIRCUIT BREAKER IN EXISTING PANEL MD AND CONNECT NEW PANEL D3 FEEDER AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
 - PROVIDE NEW 400A/3P CIRCUIT BREAKER IN EXISTING PANEL MD AND CONNECT NEW TRANSFORMER FEEDER AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
 - PER ENTERGY, PEAK DEMAND OF EXISTING UTILITY TRANSFORMER IS 106KW (AUGUST 2023).
 - ELECTRICAL CONTRACTOR SHALL INSTALL RECORDING METER ON THIS PANEL AS REQUIRED TO COLLECT LOAD DATA FOR A MINIMUM OF ONE MONTH. DELIVER LOAD DATA TO ENGINEER FOR REVIEW, FIELD VERIFY EXACT LOCATION.
 - SEE FLOOR PLAN FOR ADDED CIRCUIT BREAKER IN THIS PANEL.
 - CONNECT TO SIEMENS EQUIPMENT AS REQUIRED.



A RISER DIAGRAM – DEMOLITION
 E4.0 SCALE: N/A

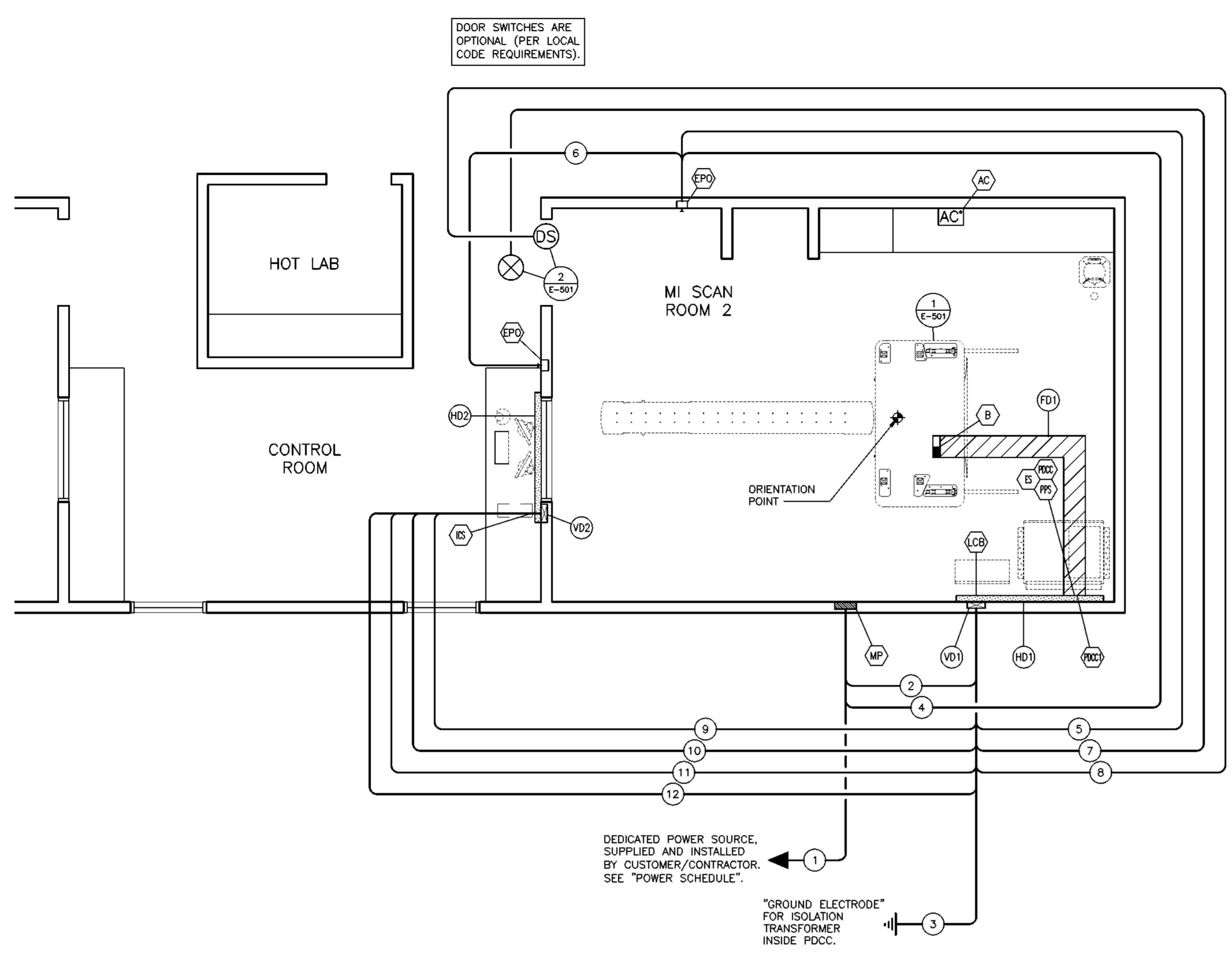
A RISER DIAGRAM – NEW WORK
 E4.0 SCALE: N/A



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Revision	By	Aspd	TYT/AM/CD
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Client/Project: BRCC PET Imaging Addition
 Project No.:
 File Name: BR CC PET CT
 Scale:
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 Title: PANEL SCHEDULES
 Revision: Sheet: 1 of 1
 Drawing No. E4.0



ELECTRICAL RACEWAY PLAN

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

SYMBOLS	
ALL MAY NOT APPLY	
[Symbol]	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR
[Symbol]	OPENING IN RACEWAY OR TRENCHDUCT
[Symbol]	PULLBOX IN (FLOOR/WALL/CEILING)
[Symbol]	OPENING IN ACCESS FLOORING
[Symbol]	WARNING LIGHT (X-RAY ON)
[Symbol]	DOOR SAFETY SWITCH
[Symbol]	(EPO) EMERGENCY POWER OFF BUTTON
[Symbol]	TRENCHDUCT
[Symbol]	CEILING DUCT
[Symbol]	UNDER FLOOR DUCT
[Symbol]	SURFACE DUCT
[Symbol]	VERTICAL DUCT
[Symbol]	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER).
[Symbol]	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.
[Symbol]	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET
[Symbol]	SPECIAL PURPOSE RECEPTACLE

CONDUIT LENGTH CALCULATIONS	
IF SITE SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS LISTED.	
IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECALCULATE THE MAXIMUM CONDUIT LENGTHS.	
ASSUMED VALUES USED IN CALCULATING STATED MAXIMUM CONDUIT LENGTHS:	
VERTICAL DUCTS -	10'-0"
FLOOR PENETRATIONS -	3'-0"

ELECTRICAL LEGEND			
SYM	SIZE	DESCRIPTION	REMARKS
(AC)	AS REQUIRED	CUSTOMER/CONTRACTOR SUPPLIED AC THERMOSTAT MUST BE LOCATED IN EXACT LOCATION AS SHOWN IN REFERENCE TO THE BIOGRAPH HORIZON GANTRY.	SEE SHEET M-101
(B)	8" x 8"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	GANTRY CABLE ACCESS SEE SHEET E-501 POWER
(EPO)	---	EMERGENCY POWER OFF BUTTON THAT PREVENTS RESETTING OF CIRCUIT BREAKER WHEN IN THE OFF POSITION WITH PROTECTIVE COVER, MOUNTED ON WALL AT 5'-0" ABOVE FINISH FLOOR. THERE SHALL BE AN EPO IN EACH ROOM OF THE SUITE WHERE SIEMENS EQUIPMENT IS LOCATED. EXACT LOCATIONS TO BE DETERMINED BY CUSTOMER/CONTRACTOR. SUPPLIED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(E)	---	ETHERNET SWITCH FOR PDCC SUPPLIED BY SIEMENS. LOCATED INSIDE PDCC CABINET.	
(IC)	12" x 4"	OPENING IN RACEWAY IN SHOWN LOCATION.	IMAGE CONSTRUCTION SYS.
(IB)	8" x 4"	OPENING IN RACEWAY IN SHOWN LOCATION.	LINE CONNECTION BOX
(MP)	---	MAIN PANEL WITH MAIN BREAKER. LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(M)	12" x 5"	OPENING IN RACEWAY IN SHOWN LOCATION.	POWER DISTRIBUTION COMPUTER CABINET
(MD)	12" x 5"	OPENING IN RACEWAY IN SHOWN LOCATION.	POWER DISTRIBUTION COMPUTER CABINET DATA/COMMUNICATION
(FP)	---	FIX POINT DESIGNATION, SAME PULL BOX/OPENING AS PDCC.	PET UPS LOCATED INSIDE THE POWER DISTRIBUTION COMPUTER CABINET
(R)	12" x 3 1/2"	ELECTRICAL DUCT THAT IS MOUNTED FLUSH WITH FINISHED FLOOR (TRENCH DUCT) AS SHOWN PROVIDED WITH WATERPROOF, REMOVABLE COVERS FINISHED TO MATCH FLOORING. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(RD)	10" x 3 1/2"	ELECTRICAL DUCT TO RUN HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(RD)	10" x 3 1/2"	ELECTRICAL DUCT THAT IS MOUNTED FLUSH WITH FINISHED WALL IN SHOWN LOCATION PROVIDED WITH FINISHED, REMOVABLE COVERS TO EXTEND FROM FLOOR LINE TO END ABOVE FINISHED CEILING. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(1)	AS REQUIRED	CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(2)	AS REQUIRED	CONDUITS FROM "MP" TO "VD1" (PDCC) SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(3)	AS REQUIRED	CONDUITS FROM "VD1" (PDCC) TO "GROUND ELECTRODE" FOR ISOLATION TRANSFORMER INSIDE PDCC SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(4)	AS REQUIRED	CONDUITS FROM "MP" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(5)	AS REQUIRED	CONDUIT FROM "VD1" (PDCC) TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(6)	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(7)	AS REQUIRED	CONDUIT FROM "VD1" (LCB) TO "WARNING LIGHT" (X-RAY ON).	SEE SHEET E-501
(8)	AS REQUIRED	CONDUIT FROM "VD1" (LCB) TO "DOOR SAFETY SWITCH".	SEE SHEET E-501
(9)	1 1/2"	CONDUIT FROM "VD1" (LCB) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 51'-0"
(10)	1 1/2"	CONDUIT FROM "VD1" (PDCC) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 43'-0"
(11)	1 1/2"	CONDUIT FROM "VD1" (PDCC) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 60'-0"
(12)	3"	CONDUIT FROM "VD1" (B) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 32'-0"

CONTRACTOR SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
POWER SOURCE	1	MP	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	2,VD1,HD1	PDCC	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDCC	PDCC1,HD1,VD1,3	GROUND ELECTRODE	1-#8 TO GROUND ELECTRODE CONDUCTOR TO BUILDING GROUND PER NEC. DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	4	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDCC	PDCC1,HD1,VD1,5	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	6	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
LCB	HD1,VD1,7	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501
LCB	HD1,VD1,8	DOOR SAFETY SWITCH	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501

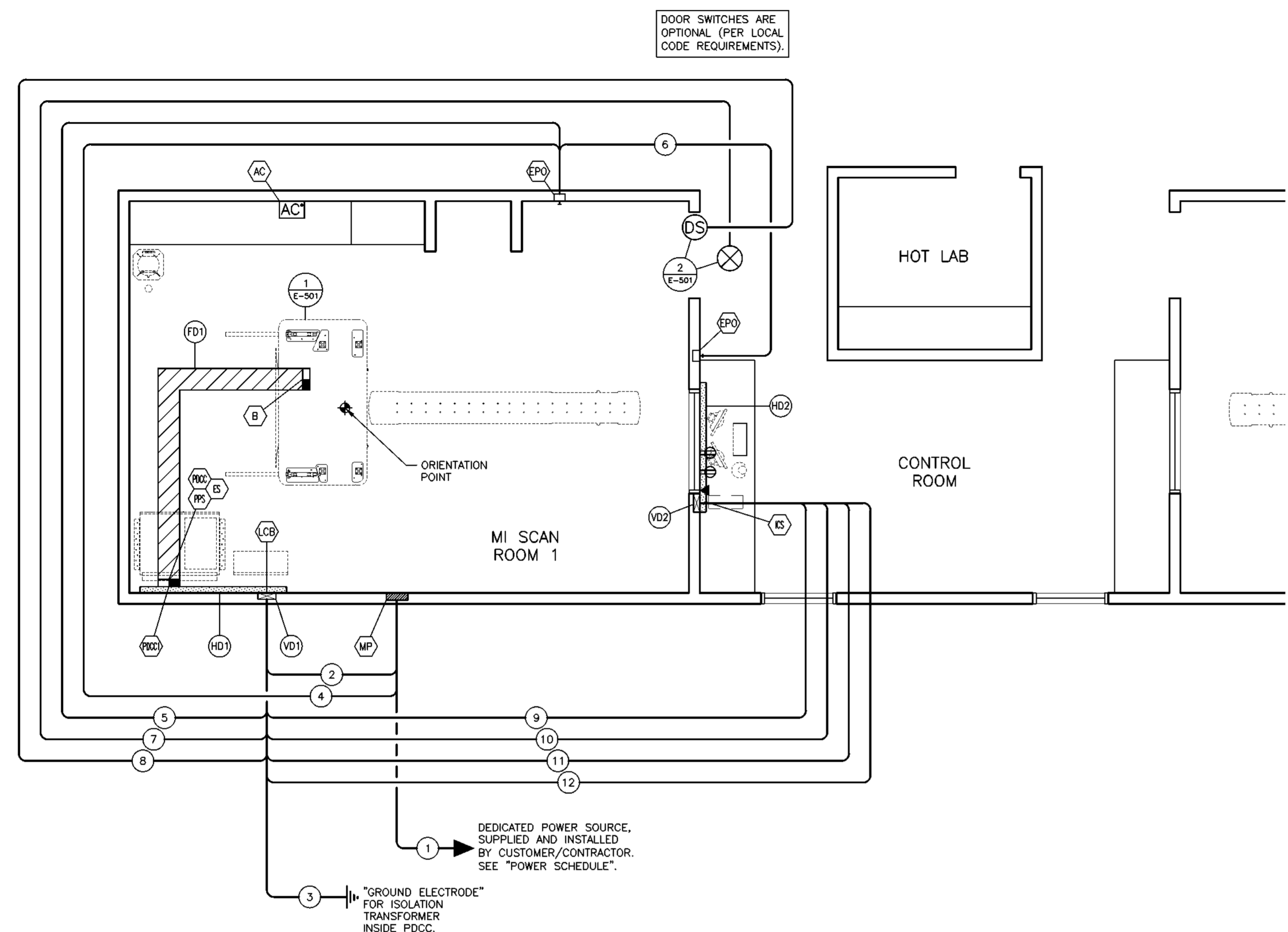
SIEMENS SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
LCB	HD1,PDCC1	PDCC	POWER CABLE.	MAXIMUM LENGTH 11'-0".
LCB	HD1,PDCC1,PDCC,FD1	B	POWER CABLE.	MAXIMUM LENGTH 95'-0".
LCB	HD1,VD1,9,VD2,HD2	ICS	POWER CABLE.	MAXIMUM LENGTH 76'-0".
LCB	HD1,PDCC1,PDCC,FD1	B	DATA/COMMUNICATION.	MAXIMUM LENGTH 80'-0".
PDCC	FD1	B	POWER CABLE.	MAXIMUM LENGTH 93'-0".
B	FD1	PDCC	DATA/COMMUNICATION.	MAXIMUM LENGTH 77'-0".
PDCC	PDCC1,HD1,VD1,10,VD2,HD2	ICS	POWER CABLE.	MAXIMUM LENGTH 73'-0".
PDCC	PDCC1,HD1,VD1,11,VD2,HD2	ICS	DATA/COMMUNICATION.	MAXIMUM LENGTH 90'-0".
B	FD1,PDCC1,PDCC1,HD1,VD1,12,VD2,HD2	ICS	DATA/COMMUNICATION.	MAXIMUM LENGTH 80'-0".

FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS	
BATON ROUGE CARDIOLOGY CENTER			
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON			
PROJECT #: 2314526		SHEET: E-101	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		DRAWN BY: J. JACKSON	
ALL RIGHTS ARE RESERVED.		DATE: 12/15/23	
SCALE: AS NOTED		REF. #: 30271584	

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.
- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.



ELECTRICAL RACEWAY PLAN

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

SYMBOLS	
ALL MAY NOT APPLY	
[Symbol]	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR
[Symbol]	OPENING IN RACEWAY OR TRENCHDUCT
[Symbol]	PULLBOX IN (FLOOR/WALL/CEILING)
[Symbol]	OPENING IN ACCESS FLOORING
[Symbol]	WARNING LIGHT (X-RAY ON)
[Symbol]	DOOR SAFETY SWITCH
[Symbol]	(EPO) EMERGENCY POWER OFF BUTTON
[Symbol]	TRENCHDUCT
[Symbol]	CEILING DUCT
[Symbol]	UNDER FLOOR DUCT
[Symbol]	SURFACE DUCT
[Symbol]	VERTICAL DUCT
[Symbol]	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER).
[Symbol]	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.
[Symbol]	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET
[Symbol]	SPECIAL PURPOSE RECEPTACLE

CONDUIT LENGTH CALCULATIONS	
IF SITE SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS LISTED.	
IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECALCULATE THE MAXIMUM CONDUIT LENGTHS.	
ASSUMED VALUES USED IN CALCULATING STATED MAXIMUM CONDUIT LENGTHS:	
VERTICAL DUCTS -	10'-0"
FLOOR PENETRATIONS -	3'-0"

ELECTRICAL LEGEND			
SYM	SIZE	DESCRIPTION	REMARKS
(AC)	AS REQUIRED	CUSTOMER/CONTRACTOR SUPPLIED AC THERMOSTAT MUST BE LOCATED IN EXACT LOCATION AS SHOWN IN REFERENCE TO THE BIOGRAPH HORIZON GANTRY.	SEE SHEET M-101
(B)	8" x 8"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	GANTRY CABLE ACCESS SEE SHEET E-501 POWER
(EPO)	---	EMERGENCY POWER OFF BUTTON THAT PREVENTS RESETTING OF CIRCUIT BREAKER WHEN IN THE OFF POSITION WITH PROTECTIVE COVER, MOUNTED ON WALL AT 5'-0" ABOVE FINISH FLOOR. THERE SHALL BE AN EPO IN EACH ROOM OF THE SUITE WHERE SIEMENS EQUIPMENT IS LOCATED. EXACT LOCATIONS TO BE DETERMINED BY CUSTOMER/CONTRACTOR. SUPPLIED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(E)	---	ETHERNET SWITCH FOR PDCC SUPPLIED BY SIEMENS. LOCATED INSIDE PDCC CABINET.	
(E)	12" x 4"	OPENING IN RACEWAY IN SHOWN LOCATION.	IMAGE CONSTRUCTION SYS.
(B)	8" x 4"	OPENING IN RACEWAY IN SHOWN LOCATION.	LINE CONNECTION BOX
(MP)	---	MAIN PANEL WITH MAIN BREAKER. LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(M)	12" x 5"	OPENING IN RACEWAY IN SHOWN LOCATION.	POWER DISTRIBUTION COMPUTER CABINET
(M)	12" x 5"	OPENING IN RACEWAY IN SHOWN LOCATION.	POWER DISTRIBUTION COMPUTER CABINET DATA/COMMUNICATION
(M)	---	FIX POINT DESIGNATION, SAME PULL BOX/OPENING AS PDCC.	PET UPS LOCATED INSIDE THE POWER DISTRIBUTION COMPUTER CABINET
(R)	12" x 3 1/2"	ELECTRICAL DUCT THAT IS MOUNTED FLUSH WITH FINISHED FLOOR (TRENCH DUCT) AS SHOWN PROVIDED WITH WATERPROOF, REMOVABLE COVERS FINISHED TO MATCH FLOORING. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(R)	10" x 3 1/2"	ELECTRICAL DUCT TO RUN HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(R)	10" x 3 1/2"	ELECTRICAL DUCT THAT IS MOUNTED FLUSH WITH FINISHED WALL IN SHOWN LOCATION PROVIDED WITH FINISHED, REMOVABLE COVERS TO EXTEND FROM FLOOR LINE TO END ABOVE FINISHED CEILING. DUCT TO BE DIVIDED INTO THREE SECTIONS WITH METAL DIVIDERS.	RACEWAY
(1)	AS REQUIRED	CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(2)	AS REQUIRED	CONDUITS FROM "MP" TO "VD1" (PDCC) SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(3)	AS REQUIRED	CONDUITS FROM "VD1" (PDCC) TO "GROUND ELECTRODE" FOR ISOLATION TRANSFORMER INSIDE PDCC SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(4)	AS REQUIRED	CONDUITS FROM "MP" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(5)	AS REQUIRED	CONDUIT FROM "VD1" (PDCC) TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(6)	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(7)	AS REQUIRED	CONDUIT FROM "VD1" (LCB) TO "WARNING LIGHT" (X-RAY ON).	SEE SHEET E-501
(8)	AS REQUIRED	CONDUIT FROM "VD1" (LCB) TO "DOOR SAFETY SWITCH".	SEE SHEET E-501
(9)	1 1/2"	CONDUIT FROM "VD1" (LCB) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 51'-0"
(10)	1 1/2"	CONDUIT FROM "VD1" (PDCC) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 43'-0"
(11)	1 1/2"	CONDUIT FROM "VD1" (PDCC) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 60'-0"
(12)	3"	CONDUIT FROM "VD1" (B) TO "VD2" (ICS).	MAXIMUM CONDUIT LENGTH 37'-0"

CONTRACTOR SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
POWER SOURCE	1	MP	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	2,VD1,HD1	PDCC	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDCC	PDCC1,HD1,VD1,3	GROUND ELECTRODE	1-#8 TO GROUND ELECTRODE CONDUCTOR TO BUILDING GROUND PER NEC. DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	4	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDCC	PDCC1,HD1,VD1,5	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	6	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
LCB	HD1,VD1,7	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE SHEET E-501
LCB	HD1,VD1,8	DOOR SAFETY SWITCH	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501

SIEMENS SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
LCB	HD1,PDCC1	PDCC	POWER CABLE.	MAXIMUM LENGTH 11'-0".
LCB	HD1,PDCC1,PDCC,FD1	B	POWER CABLE.	MAXIMUM LENGTH 95'-0".
LCB	HD1,VD1,9,VD2,HD2	ICS	POWER CABLE.	MAXIMUM LENGTH 76'-0".
LCB	HD1,PDCC1,PDCC,FD1	B	DATA/COMMUNICATION.	MAXIMUM LENGTH 80'-0".
PDCC	FD1	B	POWER CABLE.	MAXIMUM LENGTH 93'-0".
B	FD1	PDCC	DATA/COMMUNICATION.	MAXIMUM LENGTH 77'-0".
PDCC	PDCC1,HD1,VD1,10,VD2,HD2	ICS	POWER CABLE.	MAXIMUM LENGTH 73'-0".
PDCC	PDCC1,HD1,VD1,11,VD2,HD2	ICS	DATA/COMMUNICATION.	MAXIMUM LENGTH 90'-0".
B	FD1,PDCC,PDCC1,HD1,VD1,12,VD2,HD2	ICS	DATA/COMMUNICATION.	MAXIMUM LENGTH 80'-0".

FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

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 - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

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BATON ROUGE CARDIOLOGY CENTER			
5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON			
PROJECT #: 2314523		SHEET: E-101	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		DATE: 12/11/23	
ALL RIGHTS ARE RESERVED.		DRAWN BY: J. JACKSON	
SCALE: AS NOTED		REF. #: 30271592	

SYM	DATE	DESCRIPTION
12/11/23	2314523R(A) DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS	

-ISSUE BLOCK-

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

POWER QUALITY

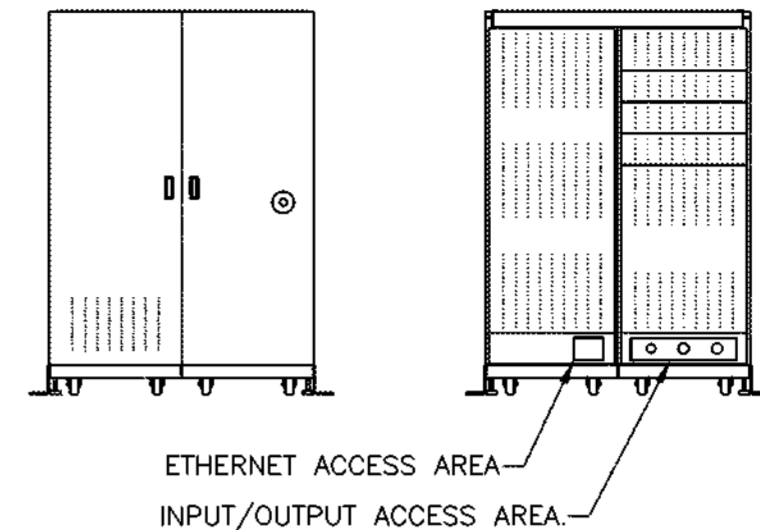
POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IT IS IN THE CUSTOMER'S INTEREST THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE EQUIPMENT POWER SUPPLY COMPLIES WITH THE SIEMENS SPECIFICATIONS.

ELECTRICIAN COORDINATION

AN ELECTRICIAN IS REQUIRED TO BE AVAILABLE DURING THE ACTUAL INSTALLATION OF THE SYSTEM.

A LOCAL CERTIFIED ELECTRICIAN MUST BE AVAILABLE ON THE SECOND OR THIRD DAY FOLLOWING DELIVERY. THE SITE SHOULD BE PREPARED IN ADVANCE FLEXIBLE WHIPS OR WHIPS WITH WIRING PULLED.



ETHERNET ACCESS AREA
INPUT/OUTPUT ACCESS AREA

PDCC FRONT VIEW PDCC BACK VIEW

POWER DISTRIBUTION COMPUTER CABINET (PDCC)	
INPUT VOLTAGE 480/277 VAC, 50/60 HZ	
POWER RATING: 10 kVA CONTINUOUS, 80 kVA(i)	
OUTPUT VOLTAGE: 230 VAC	
MAXIMUM OUTPUT CURRENT: 80A	

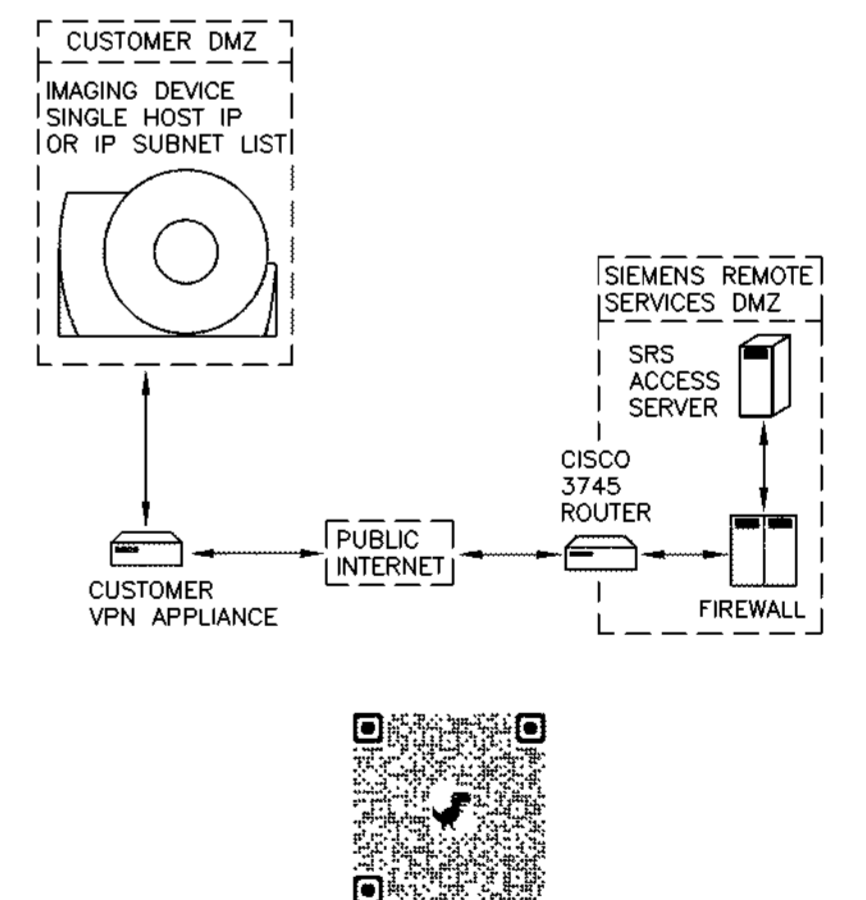
1 PDCC CABINET NOT TO SCALE

- ELECTRICAL NOTES**
- 1) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA-70), O.S.H.A. REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF CITY, COUNTY, STATE AND FEDERAL AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE AND NEMA STANDARDS AND ARE U.L. LISTED AND LABELED. THE CUSTOMER'S/CONTRACTOR'S WORK AND ALL EQUIPMENT INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED/ENFORCED BY THE AUTHORITY HAVING JURISDICTION.
 - 2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT INTO THE EXISTING STRUCTURE AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION OF EQUIPMENT, OR THE PERFORMANCE OF ANY WORK THAT MAY BE AFFECTED. DO NOT ALTER DRAWINGS, DIMENSIONS, OR SPECIFICATIONS IN ANY WAY WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER.
 - 3) POWER SUPPLY SOURCE, POWER SUPPLIES FOR SIEMENS HEALTHCARE EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE "WYE" SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED THAT IS KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING. NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR MEDICAL IMAGING PANEL THAT SERVES THE SIEMENS HEALTHCARE EQUIPMENT. IF THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT REQUIRED TO ESTABLISH THE POWER SUPPLY IN ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER AND/OR UTILITY COMPANY FIELD REPRESENTATIVE.
 - 4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SIEMENS HEALTHCARE BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.
 - 5) RACEWAY AND CONDUIT NOTES: ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE. CONDUIT BODIES SHALL NOT BE USED. WHERE A CONDUIT ENTERS A BOX, FITTING, OR OTHER ENCLOSURE, AN INSULATED THROAT CONNECTOR SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION. ALL CONNECTORS FOR EMT SHALL BE COMPRESSION OR DOUBLE SET SCREW TYPE. KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES OR STEAM AND HOT WATER PIPES. INSTALL RACEWAY RUNS ABOVE WATER AND STEAM PIPES PROVIDED THAT CABLE RUN DISTANCES ARE MAINTAINED. USE TEMPORARY CLOSURES TO PREVENT FOREIGN MATTER FROM ENTERING RACEWAY. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS HEALTHCARE CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS. LISTED CONDUIT SIZES FOR SIEMENS-SUPPLIED CABLES MUST BE MAINTAINED IN ORDER TO ENABLE THE TOTAL CABLE BUNDLE INCLUDING CONNECTORS TO BE PULLED THROUGH WITHOUT DAMAGE. PROVIDE ENCLOSED METAL WIRE DUCT RACEWAY SYSTEM WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT INTO TWO OR THREE SEPARATE COMPARTMENTS AS SHOWN ON THE SIEMENS PLANS (FOR POWER AND SIEMENS HEALTHCARE CABLING), DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM CERTIFICATION OF THE EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS. PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE CUT IN FIELD ARE TO BE COORDINATED WITH THE DRAWING REQUIREMENTS AND BUILDING STRUCTURE. THOSE THAT ARE NOT INDICATED OR INTERFERE WITH BUILDING ELEMENTS SHALL BE COORDINATED WITH SIEMENS PROJECT MANAGER. ELECTRICAL PULL BOXES AND RACEWAY COVERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESSIBILITY FOR INSTALLATION AND MAINTENANCE. CONTRACTORS MUST PROVIDE PULL STRINGS FOR ALL CONDUIT AND WIRE DUCT/RACEWAY. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED HIGHER THAN 14 FEET ABOVE FINISHED FLOOR, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED ABOVE A HARD CEILING (I.E. SHEET ROCK), A 24" x 24" ACCESS PANEL IS REQUIRED AT EACH JUNCTION BOX AND WITHIN 2 FEET OF EACH RACEWAY TRANSITION (SUCH AS A 90 DEGREE ELBOW OR TEE) IN DUCT/RACEWAY. THERE MUST BE FREE AND CLEAR ACCESS TO JUNCTION BOXES AND WIRE DUCT/RACEWAY. WHEN ACCESS PANELS ARE LOCATED MORE THAN 3 FEET FROM JUNCTION BOXES AND WIRE DUCT/RACEWAY THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE.
 - 6) WIRING: ALL WIRING INSTALLED SHALL BE 600 VOLT CLASS, STRANDED TYPE THHN/THWN-2, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 90° C (194° F), SIZED AS INDICATED, INSTALLED IN METAL RACEWAYS. THE CUSTOMER/CONTRACTOR SHALL LEAVE A MINIMUM 10 FEET OF WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE CUSTOMER/ELECTRICAL CONTRACTOR.
 - 7) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN THE SHORT CIRCUIT AVAILABLE AT THE TERMINALS OF THE ELECTRICAL EQUIPMENT AS DETERMINED BY THE ENGINEER OF RECORD, BUT NOT LESS THAN 35,000A RMS SYMMETRICAL AT 480V, 3-PHASE, 60 HERTZ. THE CONTRACTOR SHALL OBTAIN THE CORRECT SHORT CIRCUIT CURRENT RATING OF ALL THE NEW EQUIPMENT FOR INSTALLATION FROM THE ENGINEER OF RECORD.

SIEMENS SMART REMOTE SERVICE

TO ENSURE THE UPTIME OF YOUR SYSTEM DURING THE WARRANTY PERIOD (AND BEYOND WITH A SERVICE AGREEMENT), SIEMENS REMOTE SERVICES (SRS) REQUIRES REMOTE LOCAL AREA NETWORK ACCESS TO SIEMENS SYSTEMS.

THE PREFERRED CONNECTION METHOD IS (VPN) VIRTUAL PRIVATE NETWORK (WHERE THE CUSTOMER HAS AVAILABLE A VPN CAPABLE FIREWALL OR OTHER VPN APPLIANCE). THIS METHOD PROVIDES THE POSSIBILITY FOR REMOTE SYSTEM DIAGNOSTICS WITHOUT ADDITIONAL HARDWARE. PLEASE CONTACT SIEMENS SMART REMOTE SERVICES TO DETERMINE BEST IMPLEMENTATION FOR YOUR SITE. CONTACT: IMCPTSRS.DL@SIEMENS-HEALTHINEERS.COM



CUSTOMER DMZ
IMAGING DEVICE
SINGLE HOST IP
OR IP SUBNET LIST


CUSTOMER VPN APPLIANCE

PUBLIC INTERNET

CISCO 3745 ROUTER

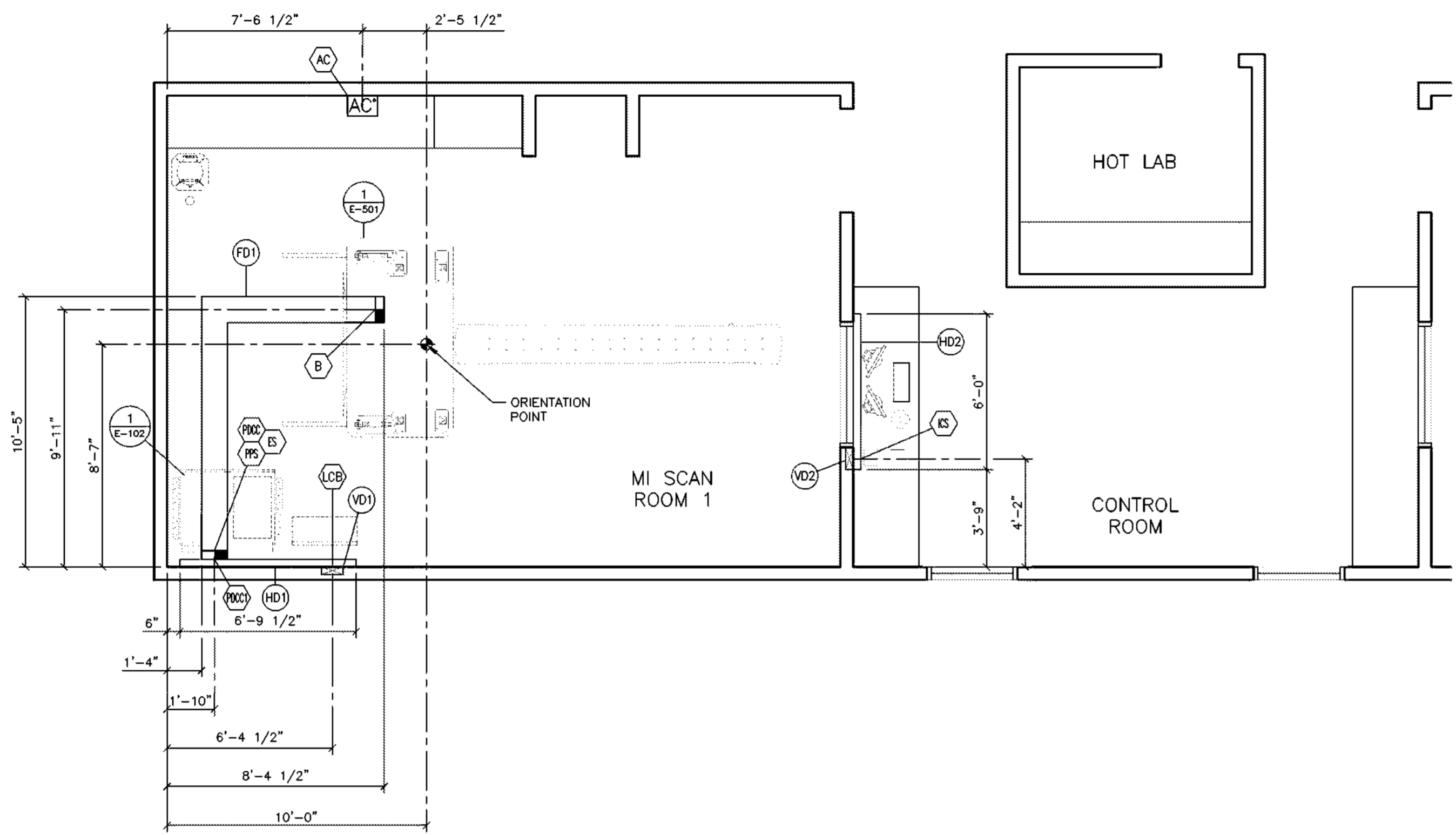
SIEMENS REMOTE SERVICES DMZ
SRS ACCESS SERVER

FIREWALL



CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED IN CABLE DUCTS OR CABLE CONDUITS.



ELECTRICAL DIMENSION PLAN

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

FINISHED ROOM HEIGHT

FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

PROJECT MANAGER: KYLE MARSCHNER TEL: (208)713-8562 EXT: FAX: EMAIL: KYLE.MARSCHNER@SIEMENS-HEALTHINEERS.COM		SIEMENS	
BATON ROUGE CARDIOLOGY CENTER		5231 BRITANNY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON	
PROJECT #: 2314523		SHEET: E-102	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		DATE: 12/11/23	
ALL RIGHTS ARE RESERVED.		DRAWN BY: J. JACKSON	
SCALE: AS NOTED REF. #: 30271592		DATE: 12/11/23	

ATTENTION:

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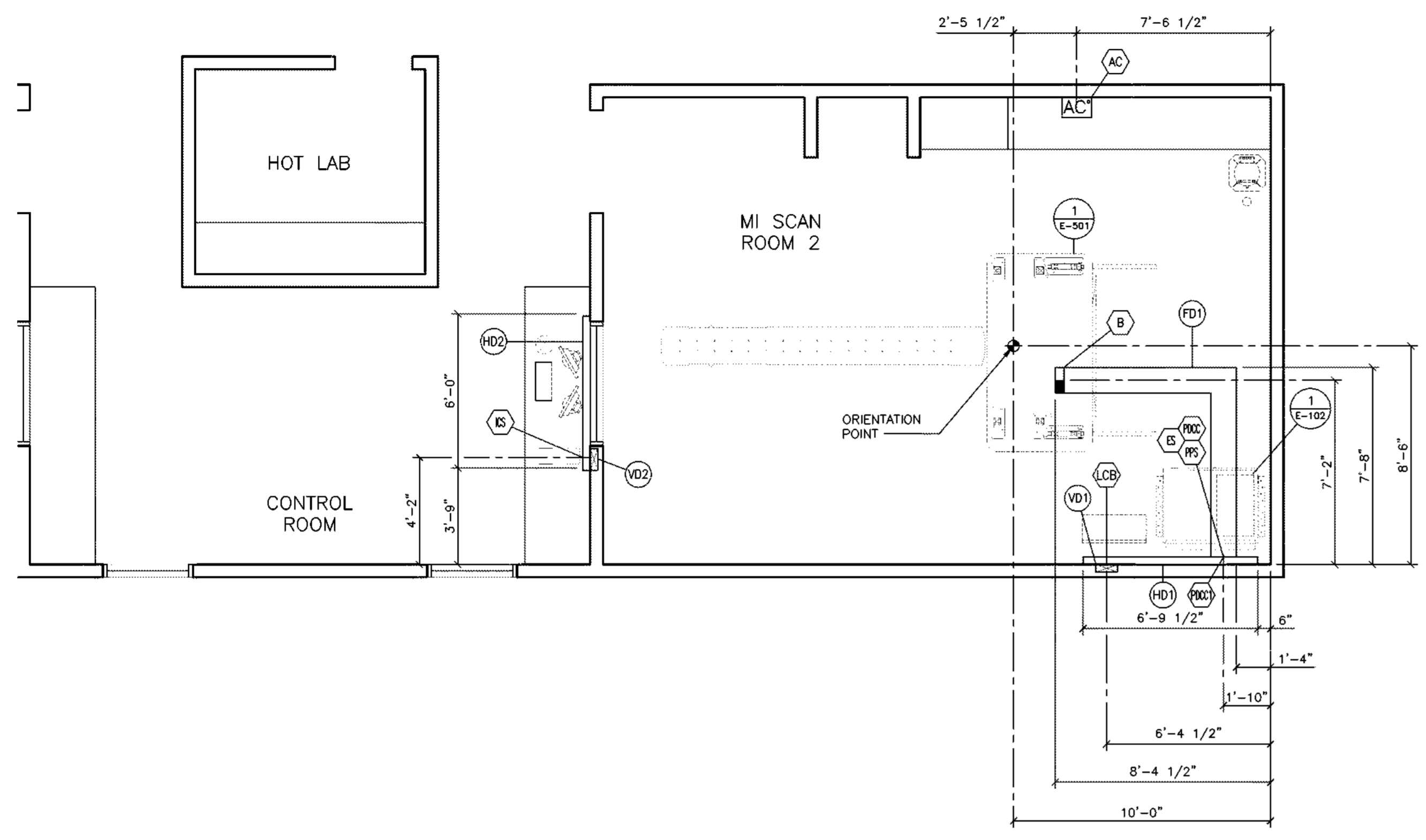
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12/11/23	2314523(A) DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS	
SYM	DATE	DESCRIPTION
-ISSUE BLOCK-		

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION



ELECTRICAL DIMENSION PLAN

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

POWER QUALITY

POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IT IS IN THE CUSTOMER'S INTEREST THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE EQUIPMENT POWER SUPPLY COMPLIES WITH THE SIEMENS SPECIFICATIONS.

ELECTRICIAN COORDINATION

AN ELECTRICIAN IS REQUIRED TO BE AVAILABLE DURING THE ACTUAL INSTALLATION OF THE SYSTEM.

A LOCAL CERTIFIED ELECTRICIAN MUST BE AVAILABLE ON THE SECOND OR THIRD DAY FOLLOWING DELIVERY. THE SITE SHOULD BE PREPARED IN ADVANCE FLEXIBLE WHIPS OR WHIPS WITH WIRING PULLED.

ETHERNET ACCESS AREA
INPUT/OUTPUT ACCESS AREA

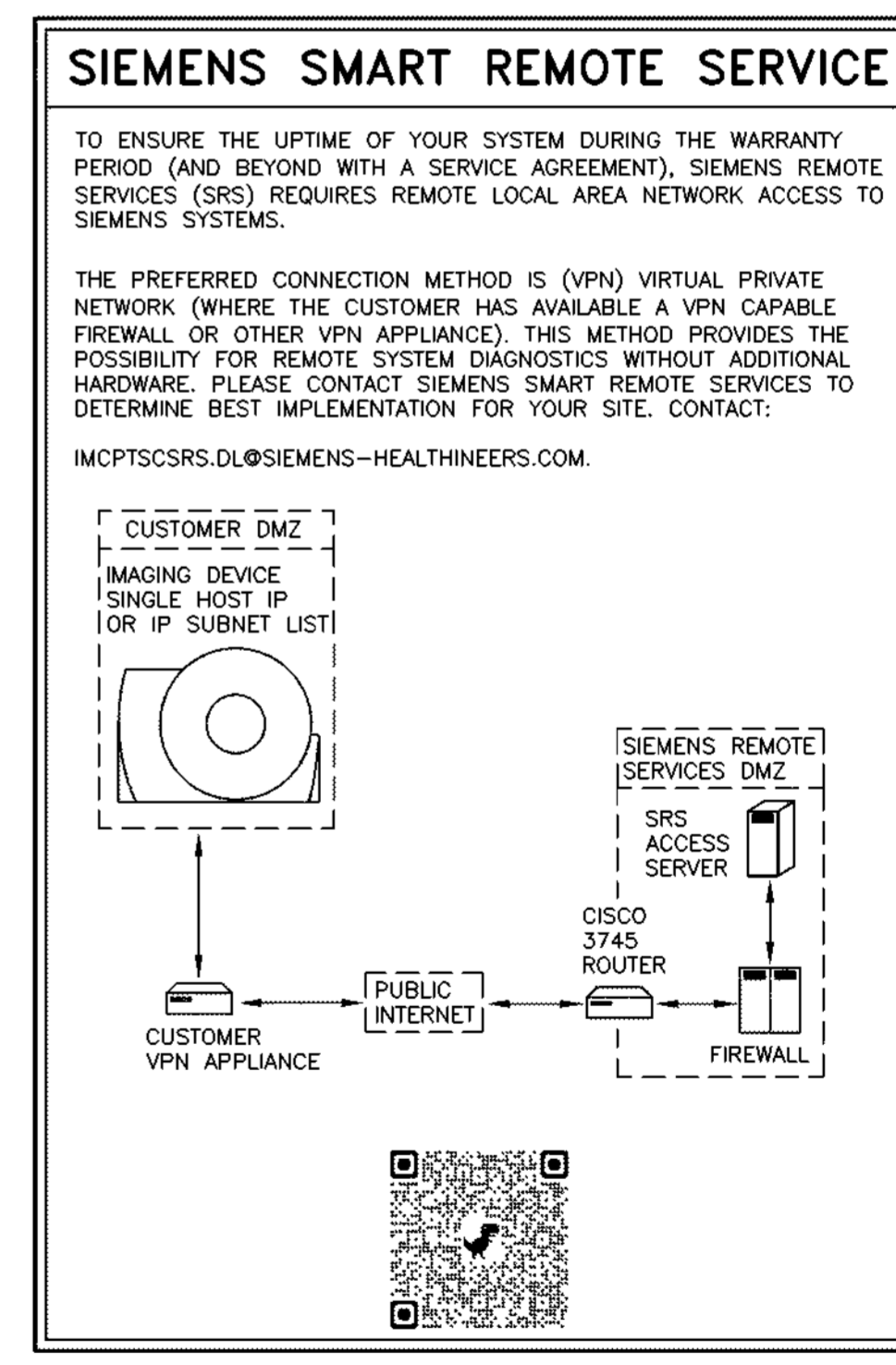
PDCC FRONT VIEW **PDCC BACK VIEW**

POWER DISTRIBUTION COMPUTER CABINET (PDCC)	
INPUT VOLTAGE 480/277 VAC, 50/60 HZ	
POWER RATING: 10 kVA CONTINUOUS, 80 kVA(i)	
OUTPUT VOLTAGE: 230 VAC	
MAXIMUM OUTPUT CURRENT: 80A	

1 PDCC CABINET NOT TO SCALE

ELECTRICAL NOTES

- 1) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA-70), O.S.H.A. REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF CITY, COUNTY, STATE AND FEDERAL AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE AND NEMA STANDARDS AND ARE U.L. LISTED AND LABELED. THE CUSTOMER'S/CONTRACTOR'S WORK AND ALL EQUIPMENT INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED/ENFORCED BY THE AUTHORITY HAVING JURISDICTION.
- 2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT INTO THE EXISTING STRUCTURE AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION OF EQUIPMENT, OR THE PERFORMANCE OF ANY WORK THAT MAY BE AFFECTED. DO NOT ALTER DRAWINGS, DIMENSIONS, OR SPECIFICATIONS IN ANY WAY WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER.
- 3) POWER SUPPLY SOURCE: POWER SUPPLIES FOR SIEMENS HEALTHCARE EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE "WYE" SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED THAT IS KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING. NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR MEDICAL IMAGING PANEL THAT SERVES THE SIEMENS HEALTHCARE EQUIPMENT. IF THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT REQUIRED TO ESTABLISH THE POWER SUPPLY IN ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER AND/OR UTILITY COMPANY FIELD REPRESENTATIVE.
- 4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SIEMENS HEALTHCARE BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHES, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.
- 5) RACEWAY AND CONDUIT NOTES: ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE. CONDUIT BODIES SHALL NOT BE USED. WHERE A CONDUIT ENTERS A BOX, FITTING, OR OTHER ENCLOSURE, AN INSULATED THROAT CONNECTOR SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION. ALL CONNECTORS FOR EMT SHALL BE COMPRESSION OR DOUBLE SET SCREW TYPE. KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES OR STEAM AND HOT WATER PIPES. INSTALL RACEWAY RUNS ABOVE WATER AND STEAM PIPES PROVIDED THAT CABLE RUN DISTANCES ARE MAINTAINED. USE TEMPORARY CLOSURES TO PREVENT FOREIGN MATTER FROM ENTERING RACEWAY. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS HEALTHCARE CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS. LISTED CONDUIT SIZES FOR SIEMENS-SUPPLIED CABLES MUST BE MAINTAINED IN ORDER TO ENABLE THE TOTAL CABLE BUNDLE INCLUDING CONNECTORS TO BE PULLED THROUGHOUT WITHOUT DAMAGE. PROVIDE ENCLOSED METAL WIRE DUCT RACEWAY SYSTEM WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT INTO TWO OR THREE SEPARATE COMPARTMENTS AS SHOWN ON THE SIEMENS PLANS (FOR POWER AND SIEMENS HEALTHCARE CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM CERTIFICATION OF THE EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS. PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE CUT IN FIELD ARE TO BE COORDINATED WITH THE DRAWING REQUIREMENTS AND BUILDING STRUCTURE. THOSE THAT ARE NOT INDICATED OR INTERFERE WITH BUILDING ELEMENTS SHALL BE COORDINATED WITH SIEMENS PROJECT MANAGER. ELECTRICAL PULL BOXES AND RACEWAY COVERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESSIBILITY FOR INSTALLATION AND MAINTENANCE. CONTRACTORS MUST PROVIDE PULL STRINGS FOR ALL CONDUIT AND WIRE DUCT/RACEWAY. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED HIGHER THAN 14 FEET ABOVE FINISHED FLOOR, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED ABOVE A HARD CEILING (I.E. SHEET ROCK), A 24" x 24" ACCESS PANEL IS REQUIRED AT EACH JUNCTION BOX AND WITHIN 2 FEET OF EACH RACEWAY TRANSITION (SUCH AS A 90 DEGREE ELBOW OR TEE) IN DUCT/RACEWAY. THERE MUST BE FREE AND CLEAR ACCESS TO JUNCTION BOXES AND WIRE DUCT/RACEWAY. WHEN ACCESS PANELS ARE LOCATED MORE THAN 3 FEET FROM JUNCTION BOXES AND WIRE DUCT/RACEWAY THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE.
- 6) WIRING: ALL WIRING INSTALLED SHALL BE 600 VOLT CLASS, STRANDED TYPE THHN/THWN-2, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 90° C (194° F), SIZED AS INDICATED, INSTALLED IN METAL RACEWAYS. THE CUSTOMER/CONTRACTOR SHALL LEAVE A MINIMUM 10 FEET OF WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE CUSTOMER/ELECTRICAL CONTRACTOR.
- 7) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN THE SHORT CIRCUIT AVAILABLE AT THE TERMINALS OF THE ELECTRICAL EQUIPMENT AS DETERMINED BY THE ENGINEER OF RECORD, BUT NOT LESS THAN 35,000A RMS SYMMETRICAL AT 480V, 3-PHASE, 60 HERTZ. THE CONTRACTOR SHALL OBTAIN THE CORRECT SHORT CIRCUIT CURRENT RATING OF ALL THE NEW EQUIPMENT FOR INSTALLATION FROM THE ENGINEER OF RECORD.



CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED IN CABLE DUCTS OR CABLE CONDUITS.

FINISHED ROOM HEIGHT

FOR GANTRY ONLY	MINIMUM 8'-0"
ADAPTIVE 3D INTERVENTION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.	

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BATON ROUGE CARDIOLOGY CENTER 5231 BRITTANY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 2 - BIOGRAPH HORIZON		
PROJECT #: 2314526		SHEET: E-102
SHEET 6 OF 8 DRAWN BY: J. JACKSON		
DATE: 12/15/23		SCALE: AS NOTED REF. #: 30271584

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12/15/23 2314526(A) DATED 12/01/23 APPROVED BY CUSTOMER FOR FINALS

—ISSUE BLOCK—

POWER REQUIREMENTS

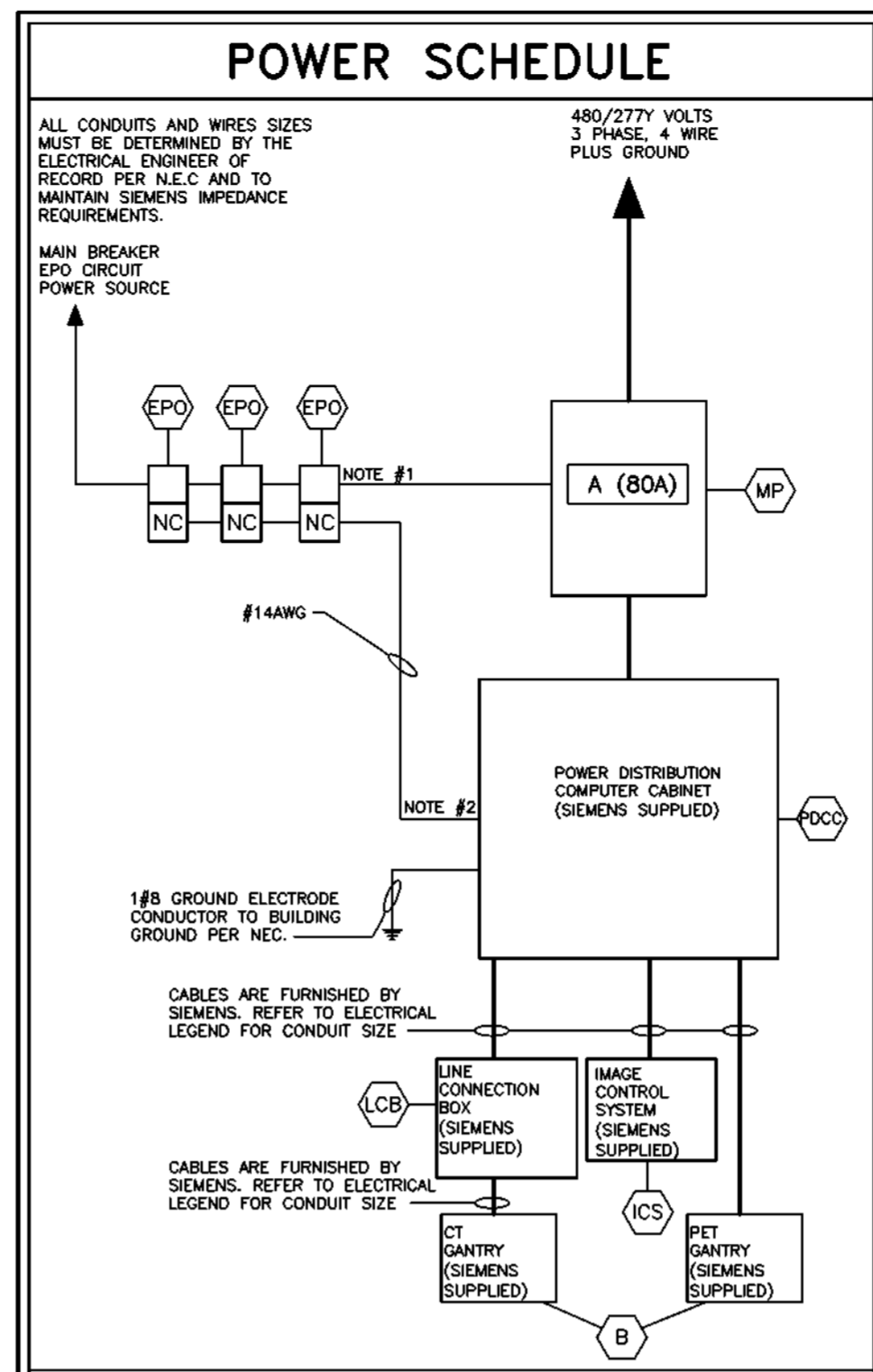
SYSTEM	SUPPLY VOLTAGE (VOLTS)	POWER CONSUMPTION (kVA)	SUPPLY IMPEDANCE (mΩ)	CIRCUIT BREAKER (AMPS) "A"
BIOGRAPH HORIZON	3φ 480/277±10%	SEE BELOW	≤320	80

POWER CONSUMPTION
 PET MAXIMUM IN OPERATION - 3.4kVA
 CT MAXIMUM IN OPERATION - 70 kVA
 BIOGRAPH HORIZON MAXIMUM OPERATION TOTAL FOR 4 SECONDS - ≤50 kVA
 SYSTEM ON (STANDBY) - ≤10kVA
 STANDBY MODE, CT SYSTEM CAN BE OPERATED, PHS FUNCTIONS, HOWEVER NO SCAN MODE IS LOADED. PET GANTRY AND COMPUTERS ON.

IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN BIOGRAPH HORIZON OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

DO NOT CONNECT ANY EXTERNAL UNITS TO THE BIOGRAPH HORIZON POWER LINES.

THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.



ITEM	QTY	DESCRIPTION
MP	1	MAIN PANEL WITH CIRCUIT BREAKER FLUSH OR SURFACE MOUNTED.
A	1	BREAKER MUST HAVE TRIPPING DEVICE SO WHEN ANY EPO IS PRESSED, THE BREAKER TRIPS. MAIN BREAKER AMPS: 80
		VOLTS PHASES NEUTRAL GROUND TOTAL WIRES
		480/277Y 3 1 1 5 (NOTE 1)

1) ALL WIRES MUST BE SAME SIZE.
NOTE: UNLESS OTHERWISE NOTED, ALL BREAKERS WILL BE 80% RATED

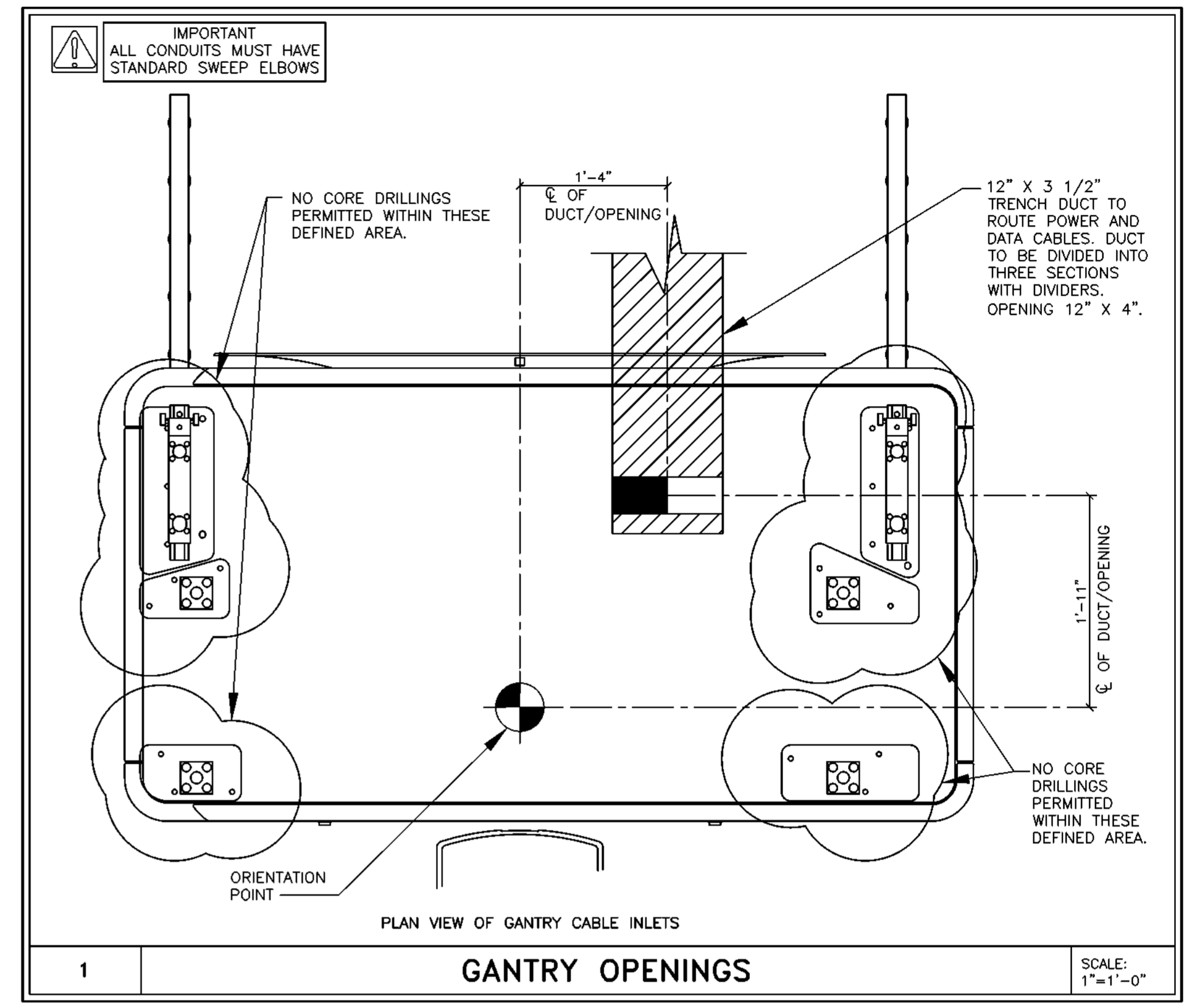
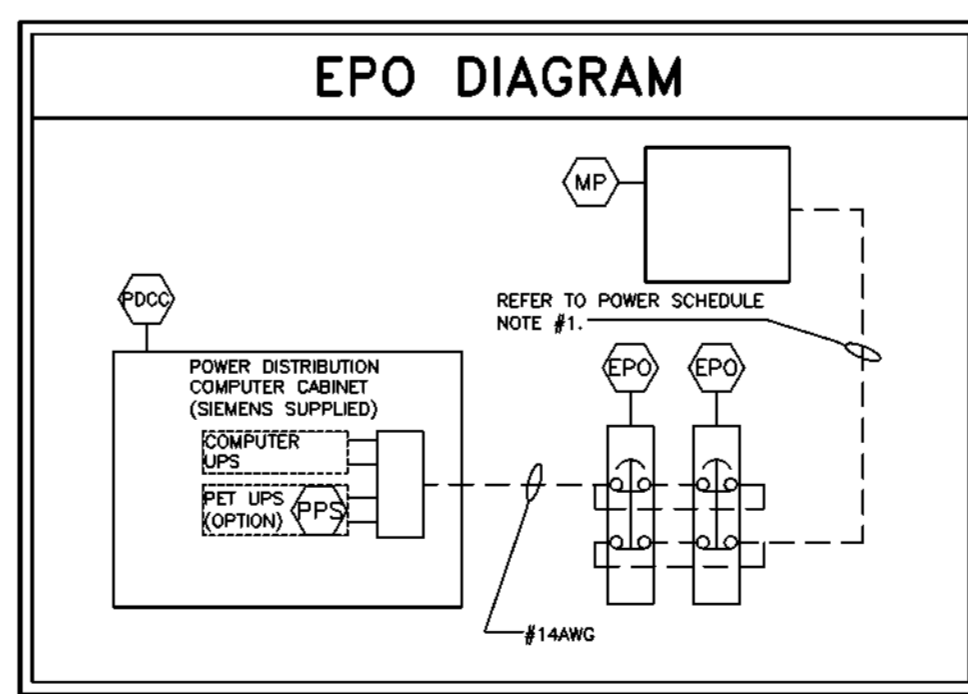
EPO VARIES

NOTE 1 - EPO CIRCUIT #1
 MAIN CIRCUIT BREAKER EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER THAT PREVENTS ACCIDENTAL ACTIVATION. THE EPO MUST BE OF FAIL-SAFE DESIGN. ALL EPO'S TO HAVE MECHANICAL LATCHING MECHANISM. EPO MUST BE RESET BEFORE MAIN BREAKER CAN RESUME OPERATION. CONTACTS AND WIRING CONFIGURATION TO BE DESIGNED BY ELECTRICAL ENGINEER OF RECORD.

NOTE 2 - EPO CIRCUIT #2
 EPO CONTACTS TO BE NORMALLY CLOSED, WIRED IN SERIES, CONNECTED TO POWER DISTRIBUTION COMPUTER CABINET (PDC) ONLY.

THE EPOs MUST BE INSTALLED BY A QUALIFIED ELECTRICAL CONTRACTOR ACCORDING TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS. MEASURES SHOULD BE TAKEN TO DESIGN THE CIRCUIT IN SUCH A WAY THAT IT WILL ALWAYS WORK WHEN THE MEDICAL EQUIPMENT IS POWERED. THE CUSTOMER IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPOs AND THEIR ASSOCIATED CIRCUITS AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.

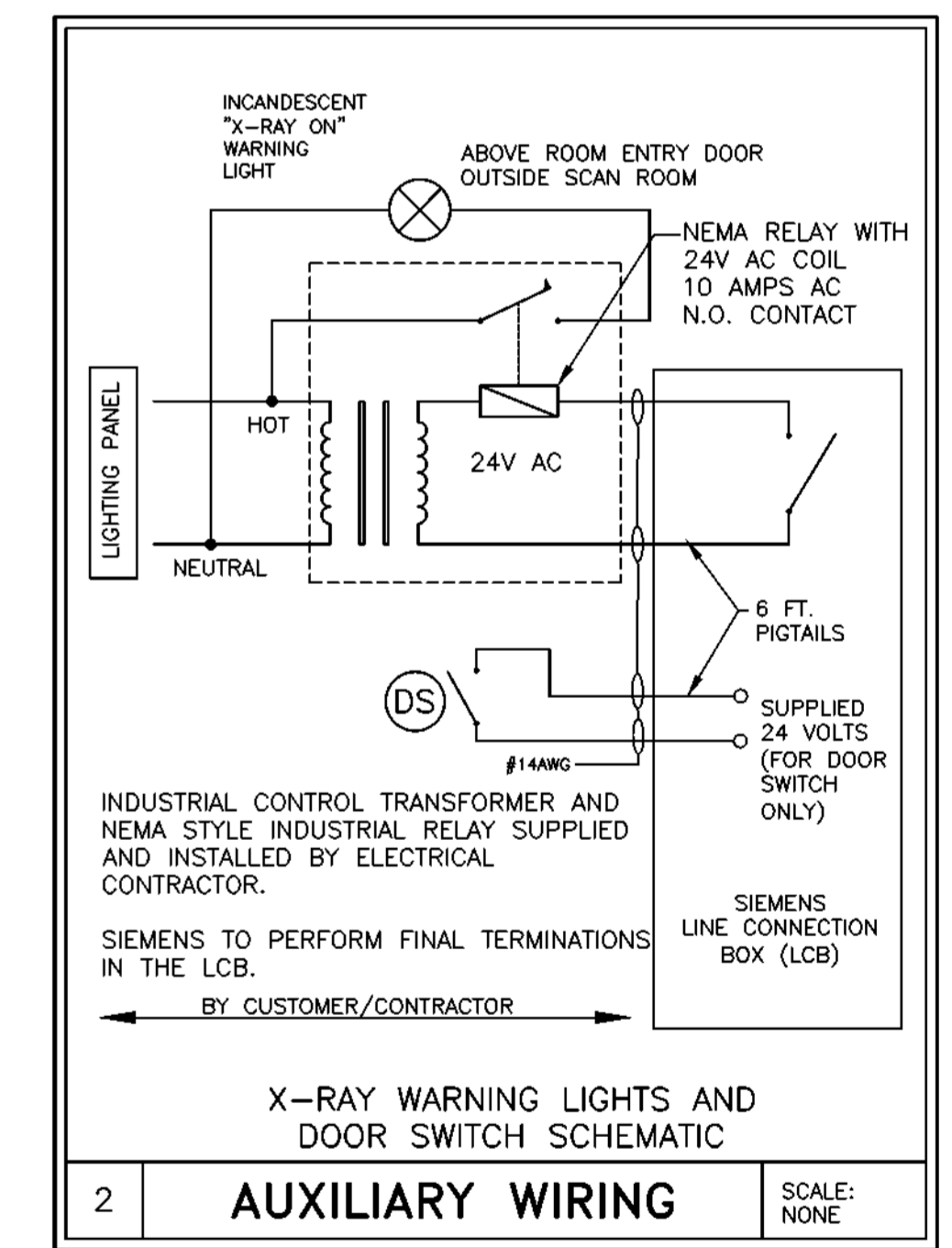
ALL ITEMS LISTED IN THIS SCHEDULE SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.



GROUNDING NOTES

EQUIPMENT GROUNDING CONDUCTOR TO COMPLY WITH THE FOLLOWING:

- 1) SIZE GROUNDING WIRE TO SIEMENS EQUIPMENT PER POWER SCHEDULE REQUIREMENTS.
- 2) DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS EQUIPMENT.
- 3) RUN IN THE SAME CONDUIT, TROUGH OR RACEWAY AS THE PHASE CONDUCTORS.
- 4) CONTINUOUS, WITH NO BREAKS OR USE OF CONDUIT, CHASSIS OR EARTH AS THE SOLE GROUNDING PATH.
- 5) BONDED TO CHASSIS AND/OR CONDUIT IN ACCORDANCE WITH THE NEC REQUIREMENTS.
- 6) MINIMIZE CONNECTIONS OR TERMINALS TO ENSURE CONTINUITY OVER THE LIFE OF THE INSTALLATION.
- 7) AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS ACCEPTABLE TO HAVE $\leq 500\text{mA}$ DURING OPERATION OF THE IMAGING EQUIPMENT.



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5231 BRITTANY DRIVE, BATON ROUGE, LA 70808 MI SCAN ROOM 1 - BIOGRAPH HORIZON			
PROJECT #: 2314523		SHEET: E-501	
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12/11/23		2314523(A) DATED 12/04/23 APPROVED BY CUSTOMER FOR FINALS	
-ISSUE BLOCK-			

BIOGRAPH HORIZON
REV 22

POWER REQUIREMENTS

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BIOGRAPH HORIZON	3Ø 480/277±10%	SEE BELOW	≤320	80

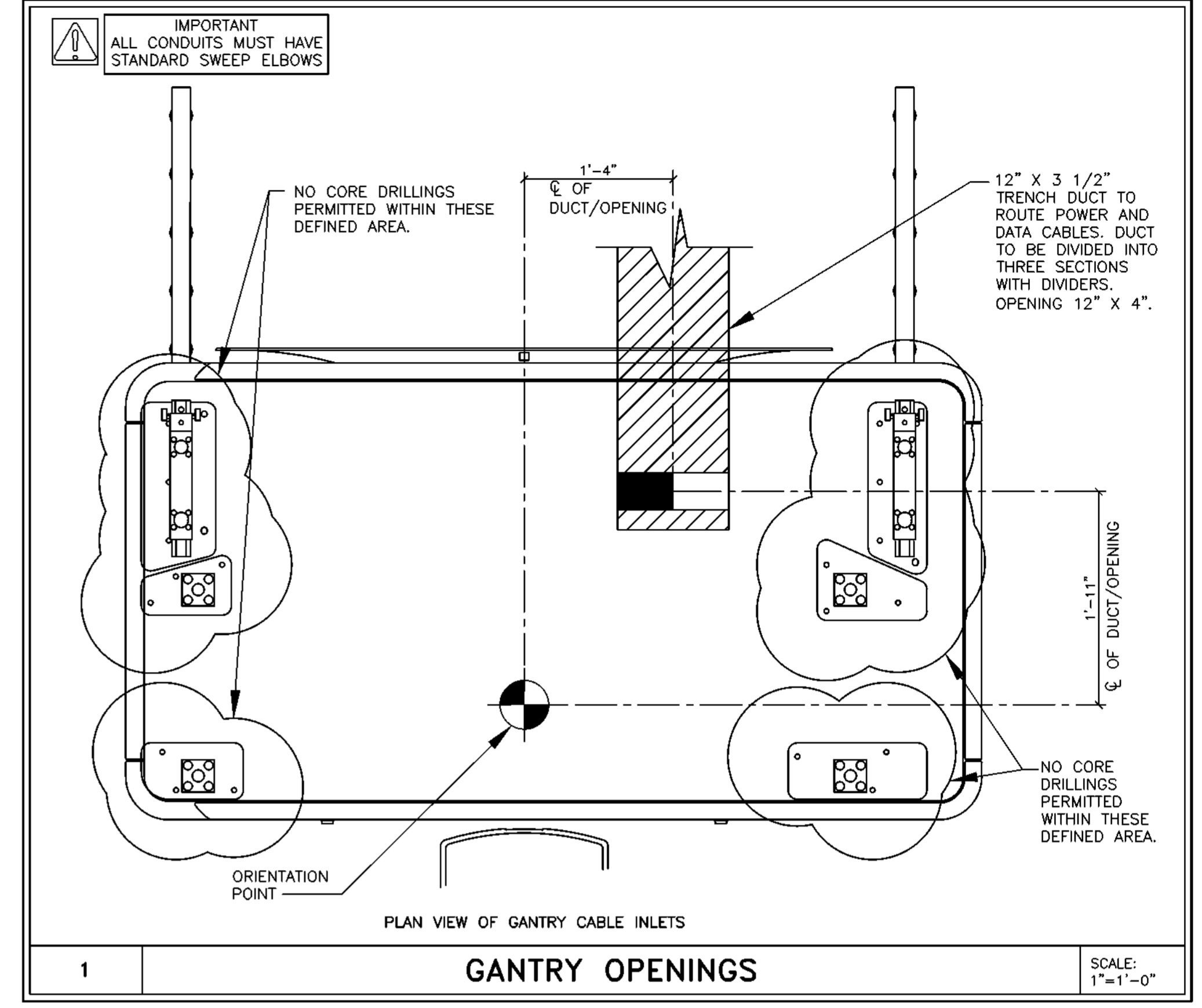
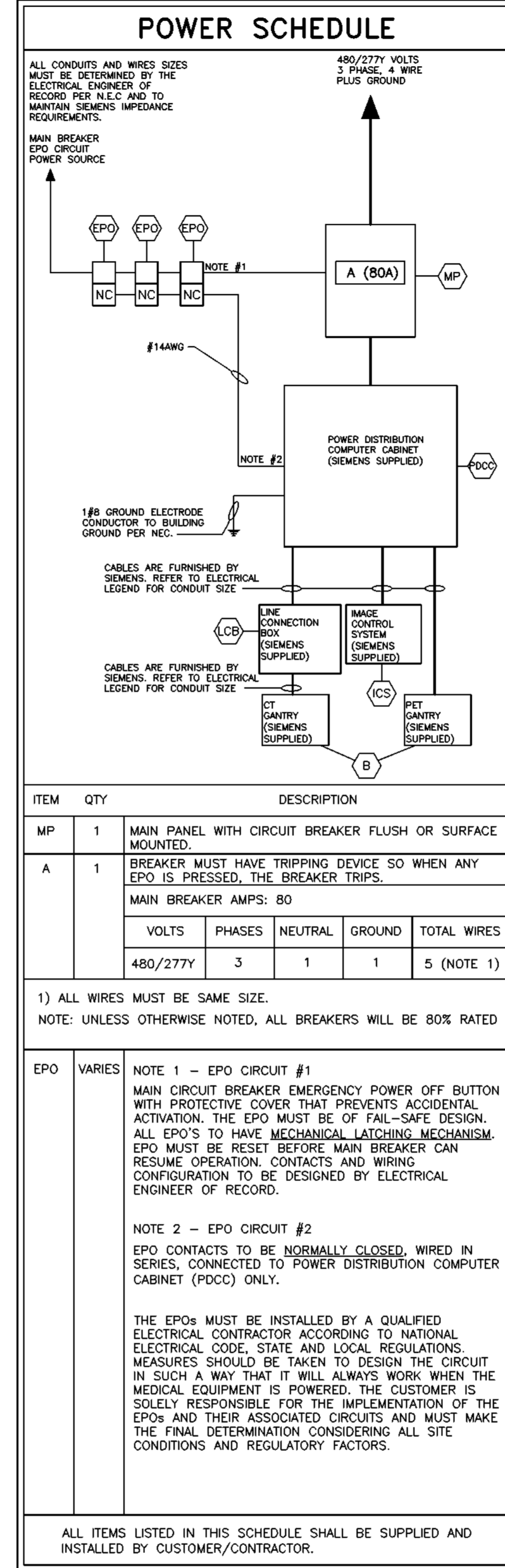
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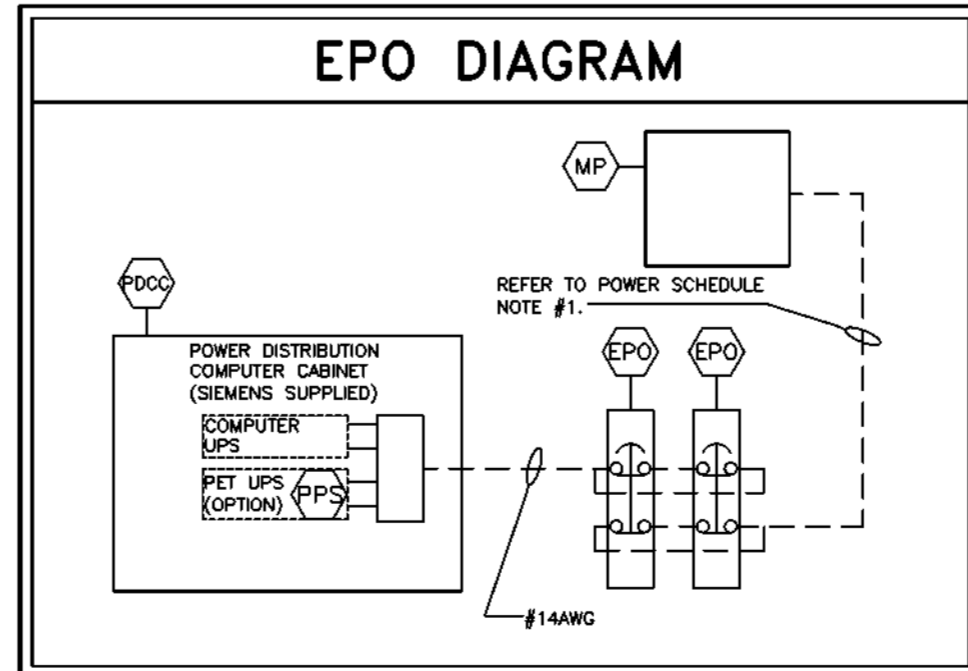
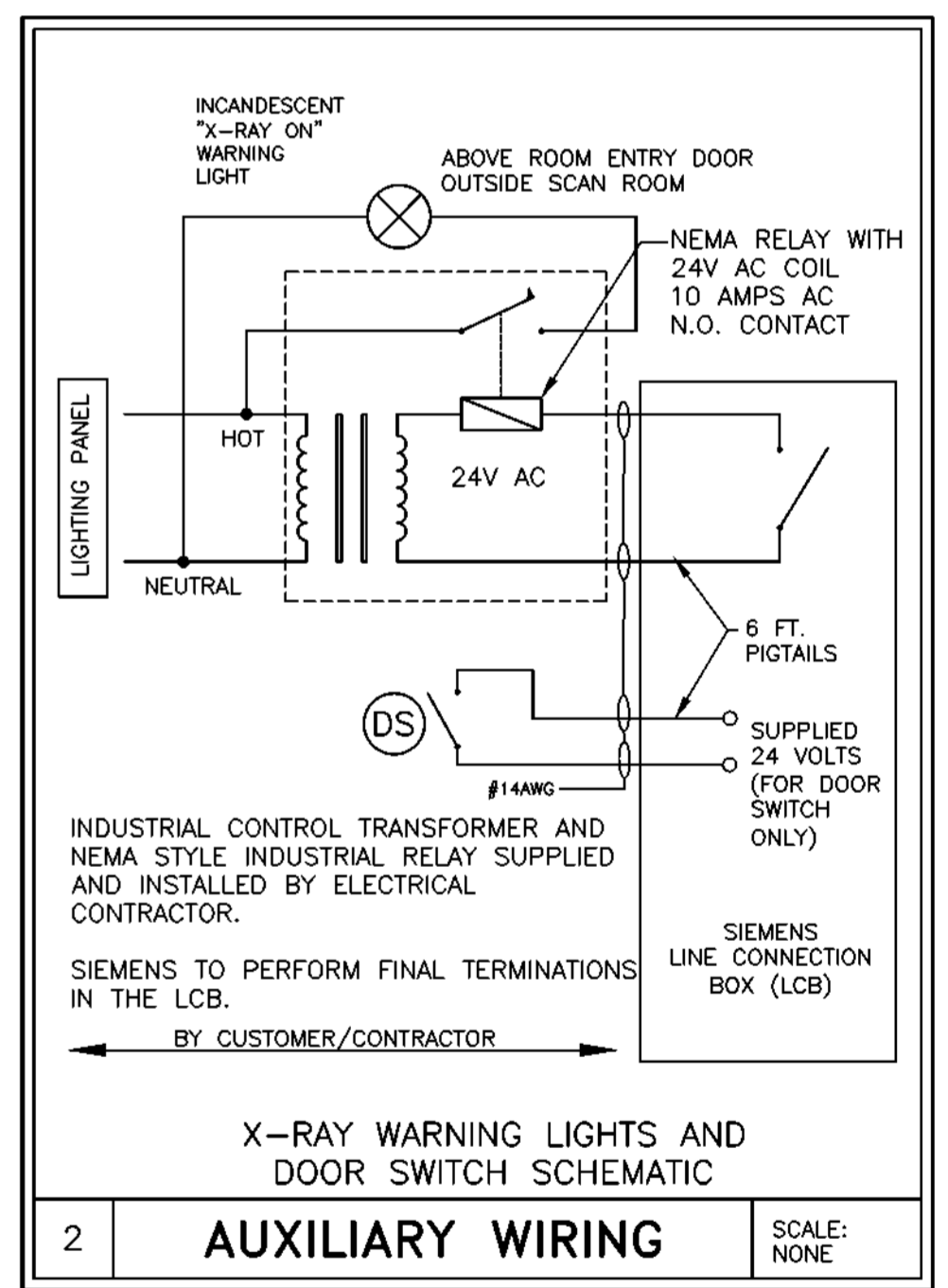
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BIOGRAPH HORIZON
 REV 22