

**SECTION 08331
OVERHEAD COILING DOOR**

PART 1 - GENERAL REQUIREMENTS

1.0 CONTRACTOR'S RESPONSIBILITIES

A. Description:

1. Contractor to provide all materials, labor, and tools required to Complete the installation of specified system.
installation of specified system.
2. Any omission of reference to items required to complete the installation of products or systems of this section does not relieve the Contractor e obligation to provide same.
3. All requirements for Project Safety are applicable to this section and shall include but not be limited to Section 01040.
4. Reference to and use of the project documents is not authorized unless under the direction of the general contractor. Definition of the scope of the work shall not be made by reference only to singular sheets or portions of the documents. Consult the complete set of contract documents.

1.1 SUMMARY

- A.** Provide overhead coiling doors where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B.** Related work:
1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
 2. Electrical

1.2 SUBMITTALS

- A.** Comply with pertinent provisions of Section 01300.
- B.** Product data: Within 45 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:
1. Materials list of items proposed to be provided under this Section;
 2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
 3. Shop Drawings in sufficient detail to show fabrication, installation, anchorage, and interface of the work of this Section with the work of adjacent trades;
 4. Manufacturer's recommended installation procedures which, when approved by the Architect, will become the basis for accepting or rejecting actual Installation procedures used on the Work.
 5. Provide certification of compliance and testing to meet High Impact wind loading requirements.

1.3 QUALITY ASSURANCE

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01620.

1.5 WARRANTY

- A. Provide the Manufacturer's Standard 2 year Warranty.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Provide Cookson "Type FCM-Motor (Vertical High Cycle Gearhead Unit) Operated Service Doors". The door curtain shall be constructed of interconnected strip steel slats conforming to ASTM A-526.
 - 1. 22 gauge with a NO. 5 (measuring 2 1/4" high x 5/16" deep) flat slat as designated by the Cookson Company.
- B. The finish on the door curtain shall be Cookson FinalCote consisting of the following:
 - 1. On doors #188,189,190,191, and 192
 - a. Hot dipped galvanized G-90 coating consistent with ASTM A-525.
 - b. Bonderized coating for prime coat adhesion.
 - c. Corrosion inhibiting primer - .2 mils per side.
 - d. Cookson "Color Cote" powder coating
 - e. Color to be selected.
 - 2. On doors # 183,184,185,186 and 187
 - a. Hot dipped galvanized D-90 coating consistent with ASTM A-525.
- C. The bottom bar shall consist of two 1/8" steel angles mechanically joined together and shall include the Cookson Featheredge safety edge system door gasket. The finish on the bottom bar shall be one (1) coat of bronze rust-inhibiting prime paint. Paint bar to match slats.
- D. The guides shall consist of 3 steel angles bolted together with 3/8" fasteners to form a channel for the curtain to travel and shall include an extruded vinyl snap-on weatherstripping continuously on the exterior leg of the guide. The wall angle portion shall be continuous and fastened to the surrounding structure with either minimum 1/2" fasteners or welds, both on 36" centers. The finish on the guide angles shall be one (1) coat of bronze rust-inhibiting prime paint. Paint guide angles to match slats.

- E. The brackets shall be constructed of steel not less than 1/4" thick and shall be bolted to the wall angle with minimum 1/2" fasteners. The finish on the brackets shall be one (1) coat of bronze rust-inhibiting prime paint, with paint to match slats.
- F. The barrel shall be steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counterbalancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The springs shall be adjusted by means of an exterior wheel. The finish on the barrel shall be one (1) coat of bronze rust-inhibiting prime paint.
- G. The hood shall be fabricated from 24 gauge galvanized steel and shall be formed to fit the curvature of the brackets. The hood shall be corrugated every 1" along the curvature for the entire length of the hood. The hood shall contain a waterproof canvas baffle to control air infiltration. The finish on the hood shall be the Cookson FinalCote finish as indicated in the curtain section.
- H. All other exposed surfaces shall be primed and painted.
- I. Endlocks and windlocks shall be installed on every slat.
- J. Each door includes the Featheredge rolling door safety edge.
- K. Chain operators doors shall open and close with a maximum of 30 pounds of effort utilizing an endless chain and cast iron reduction gears.
 - 1. The chain door shall be secured by means of a chain lock.
- L. Door controllers will be provided with auxiliary contacts/relays so that door(s) will automatically open upon receiving a signal from the fire alarm system or from a signal from the dispatcher. Doors when in emergency mode will remain open until manually closed. These relay/contacts are to be part of door controller. Coordinate with electrical drawings for fully operational system.
- M. Provide contacts for the installation of a manual switch to disconnect the door opening circuit.
- N. Provide relay/contacts to turn on truck bay exhaust fan when doors open and turn truck bay heaters off.
- O. Provide relay/contacts, photo eye, wiring and accessories at each door to stop door when light beam is compromised. (Empty box and conduit are shown in electrical.)
- P. Acceptable products:
 - 1. Service doors manufactured by The Cookson Company, 120 East Palm Avenue, Burbank, California 91502 (213) 849-2297.
 - 2. Equal products of other manufacturers when approved in advance by the Architect.
- Q. Provide, at each door controls, the contacts for remote control of door operation. Provide and install receiver for each door. Each door to be operated by a separate remote transmitter on a unique frequency. Supply two (2) transmitters for each door.

- R. Roll up door unit shall be rated to meet **Miami Dade High Impact Rating hurricane requirements**.

2.2 OPERATION

- A. **The door shall be operated at a speed of 11" to 14" per second by high static gearhead with an open drip-proof electric motor with gear reducer in oil bath. The motor operator shall include a geared limit switch, and an electrically interlocked emergency chain operator. The motor starter shall be housed in a NEMA 1 housing and include a magnetic reversing starter size 0, a 24 volt control transformer, and complete terminal strip to facilitate field wiring. The motor operator shall be activated as shown on Electrical Drawing in a NEMA 1 enclosure. The motor shall be sized as required for the door. The motor operator shall be mounted to the door bracket as shown on drawings. All motor operators shall be U.L. listed.**
1. The motors are to be located as follows: (from the inside of the building)
 - a. **Right side of the opening: Doors # 183,184,185,186 and 187**
 - b. **Left side of the opening: Doors # 188,189,190,191 and 192**
- B. The service door shall include the **Featheredge** rolling door safety edge system as manufactured by The Cookson Company and shall include the following features:
1. The **Featheredge** shall be installed on the bottom bar of the door and shall automatically reverse the door if the device detects an obstruction in the downward travel of the door.
 2. The Featheredge shall consist of a rubber boot attached below the bottom bar with an electrical switch secured to the back of the bottom bar. The Featheredge shall operate with air wave technology and shall not rely on pneumatic pressure or electrical strip contacts to operate properly. The Feather-edge shall create an air wave that shall be detected and reverse the direction of the rolling door.
 3. The operation of the Featheredge shall not be subject to interferences by temperature, barometric pressure, water infiltration, or cuts in the rubber boot.
- C. **Provide auxiliary relays/contacts in the controller to turn on a "traffic light" (red & green) for red light when doors are either opening or closing, turn on green light when fully opened and stationary and neither green nor red lights shall shine when fully closed. Wiring from contacts and lights are under electrical section.**
- D. Door motion down shall stop when the **photo eye** light beam is compromised and the braking mechanism shall engage to stop the door. **Coordinate installation and wiring with the box and conduit shown on electrical. Coordinate mounting heights for photo eye.**
- E. **Each door controller shall have contacts to operate for remote control of door from a remote transmitter. Frequency of transmitters shall be sufficiently distinct that the transmitter for any one door shall not operate any other door and that all eight (8) doors may be remotely controlled separately at the same time.**

2.3 OTHER MATERIALS

- A. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the approval of the Architect.

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Coordinate as required with other trades to assure proper and adequate provision in the work of those trades for interface with the work of this Section.
- B. Install the work of this Section in strict accordance with the original design, the approved Shop Drawings, pertinent requirements of governmental agencies having jurisdiction, and the manufacturer's recommended installation procedures as approved by the Architect, anchoring all components firmly into position for long life under hard use.
- C. Upon completion of the installation, put all items through at least ten operating cycles. Make required adjustments and assure that components are in optimum operating condition.

3

END OF SECTION
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2.3 Chain Operated Overhead Coiling Door (RUD)

- A. Provide chain operated overhead coiling face of wall mounted service door "Type FC" by Cookson or equal.
- B. RUD to include:
 - 1. Color Cote Finish
 - 2. Full Weatherstrip
 - 3. End Locks/ windlocks
 - 4. Max 25 cycles per day and 50,000 cycles for the life of the door
 - 5. 22 gauge door flat slats
 - 6. Door curtain to be
 - a. Hot dipped galvanized
 - b. Bonderized coating for primer adhesion
 - c. Factory applied Thermosetting Polyester Powder Coating
 - 7. Bottom Bar of steel angles to have weatherstrip vinyl bulb.
 - 8. Chain operated door shall open and close with a maximum of 30 pounds of effort utilizing an endless chain.
 - 9. The chain door shall be secured by means of a chain lock.
 - 10. Provide a manufacturers 12 month warrantee on materials and workmanship.

SECTION 08333
ROLLING COUNTER FIRE DOOR

PART 1 GENERAL

1.1 SUMMARY

- A. Provide overhead coiling counter doors where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
- C. Contractor's Responsibilities:
 - 1. Contractor to provide all materials, labor, and tools required to complete the installation of specified system.
 - 2. Any omission of reference to items required to complete the installation of products or systems of this section does not relieve the Contractor the obligation to provide same.
 - 3. All requirements for Project Safety are applicable to this section and shall include but not be limited to Section 01040.
 - 4. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms and any special features.
 - 5. Work not to be included by the RUD company includes design of material for and preparation of door openings but not limited to structural or miscellaneous iron work, metal or wood trim, access panels, finish painting, electrical wiring conduit and disconnect switches.
 - 6. Reference to and use of the project documents is not authorized unless under the direction of the general contractor. Definition of the scope of the work shall not be made by reference only to singular sheets or portions of the documents. Consult the complete set of contract documents.
- D. All Rolling Counter Fire Doors shall be Series **CD10** as manufactured by The Cookson Company, Phoenix, Arizona, or Equal.
 - 1. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms and any special features.
 - 2. Work not to be included by The RUD Company includes design of material for and preparation of door openings but not limited to structural or miscellaneous iron work, metal or wood trim, access panels, finish painting, electrical wiring conduit and disconnect switches.

1.2 SUBMITTALS

- A. Comply with pertinent provisions of Section 01340.
- B. Product data: Within 30 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:

1. Materials list of items proposed to be provided under this Section;
2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
3. Shop Drawings in sufficient detail to show fabrication, installation, anchorage, and interface of the work of this Section with the work of adjacent trades;
4. Manufacturer's recommended installation procedures which, when approved by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the Work.

1.3 QUALITY ASSURANCE

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. All rolling counter fire doors shall be construction in accordance with testing agency requirements and shall bear a rating label appropriate for the requirements of the wall in which the door is located. (see plans for wall type and fire rating).

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01620.

1.5 WARRANTY

- A. All Cookson Rolling Counter Fire Doors shall be warranted for a period of 2 years from the time of shipment against defects in workmanship and materials.

PART 2 PRODUCTS

2.1 MOTOR OPERATED, ROLL UP COUNTER FIRE DOOR(S), MATERIALS

- A. Provide motor operated counter overhead coiling (roll up) door(s) with a bottom bar provided with a **safety edge device**. Each door is to be provided with a momentary contract switch to open and close the door.
 1. To be Type **CD10-1M-Motor Operated Counter Coiling Door with bottom bar "Featheredge" safety edge system** as provided and installed by The Cookson Company or Equal. Each door shall have emergency crank for open/close operation.
- B. The door curtain shall be constructed of interconnected strip steel slats conforming to ASTM-526. The curtain shall be constructed of 22 gauge No. 10 (1-1/4" high by 3/8" dep) slates as designated by The Cookson Company.
- C. The finish on the door curtain shall be Cookson FinalCote consisting of the following:
 1. Hot dipped galvanized G-90 coating consistent with ASTM A-525.
 2. Bondarized coating for prime coat adhesion.
 3. Corrosion inhibiting primer - 2 mils per side.
 4. **Cookson "Color Cote" powder coating, color to be selected.**
- D. The bottom bar shall be constructed of tubular steel measuring 2" high by 1-1/4" deep and shall include the Cookson **Featheredge** safety edge system. The bottom bar shall receive one (1) coat of bronze rust-inhibiting prime paint.

- E. The guides shall be constructed of box sections of steel. The finish on the guides shall be one (1) coat of bronze rusting-inhibiting prime paint.
- F. The brackets shall be constructed of 11 gauge steel plate and shall receive one (1) coat of bronze rust-inhibiting prime paint.
- G. The barrel shall be steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit maximum deflection to .03" per foot of opening width. The barrel shall receive one (1) coat of bronze rust-inhibiting prime paint.
- H. The hood shall be fabricated from 24 gauge galvanized steel and shall be formed to fit the square brackets. The finish on the hood shall be the Cookson FinalCote finish as indicated in the curtain section.

2.2 OPERATION

- A. The door shall be operated at a speed of 2/3 foot per second by an open drip-proof electric motor with gear reducer in oil bath. The motor operator shall include a geared limit switch. The motor starter shall be housed in a NEMA 1 housing and include a 24 volt control power supply, a solid state controller, and complete terminal strip to facilitate field wiring. The motor operator shall be activated by (a 3 button push-button station) (other controls as selected) in a NEMA 1 enclosure. The motor shall be (115 volts single phase) (460 volts three phase). **The motor operator shall be mounted to the door bracket as shown on drawings. All motor operators and controls shall be listed for use with fire door.**
- B. All counter fire doors shall be equipped with the **Firefly II MV** Time Delayed Releasing Device.
 - 1. The Firefly II MV Releasing Device shall be wired directly into the building's [110 volt AC] [24 volt AC] [24 volt DC] fire alarm or smoke detector system.
 - 2. The firefly system shall be provided with a self charging **72 hour back-up battery.**
 - 3. During installation and subsequent resetting of the fire door, the Firefly's latching mechanism shall hold the door in the set position. Energizing the alarm system shall automatically set the Firefly II MV by releasing the latching mechanism.
 - 4. The Firefly II MV shall hold the fire door in the set position until the alarm or smoke detection system is activated. Upon activation, the Firefly II MV shall mechanically release the fire door after a delay of not more than 10 seconds. If the fire alarm activation is canceled before the 10 second delay, the Firefly II MV shall automatically reset itself. Power outages of less than 10 seconds shall have the same effect as a canceled alarm activation. If the power outage is longer than the 10 second delay, the fire door shall be closed mechanically.
 - 5. If the Firefly II MV mechanically closes the fire door, the door will have to be reset by an authorized trained technician.
 - 6. Power outages of 10 seconds or less shall not effect the operation of the Firefly II MV and the fire door shall not be released
- C. Each RUD shall be provided with a **locking bar that engages the jamb tracks.**
- D. Provide each door with an **emergency crank for door operation with no power.**

2.3 LOCKING MECHANISMS

- A. The push-up doors shall be secured by means of a concealed **sliding bolt deadlock in the bottom bar operated by a [cylinder lock].**

PART 3 EXECUTION

3.1 SCHEDULE OF ROLL UP COUNTER DOORS:

A.	<u>Location @ Door #</u>	<u>Opening Size (to be field verified for slat size)</u>
	195	3'-8" w x 6'-6" h
	196	3'-8" w x 6'-6" h
	161	3'-8" w x 6'-6" h

3.2 INSTALLATION

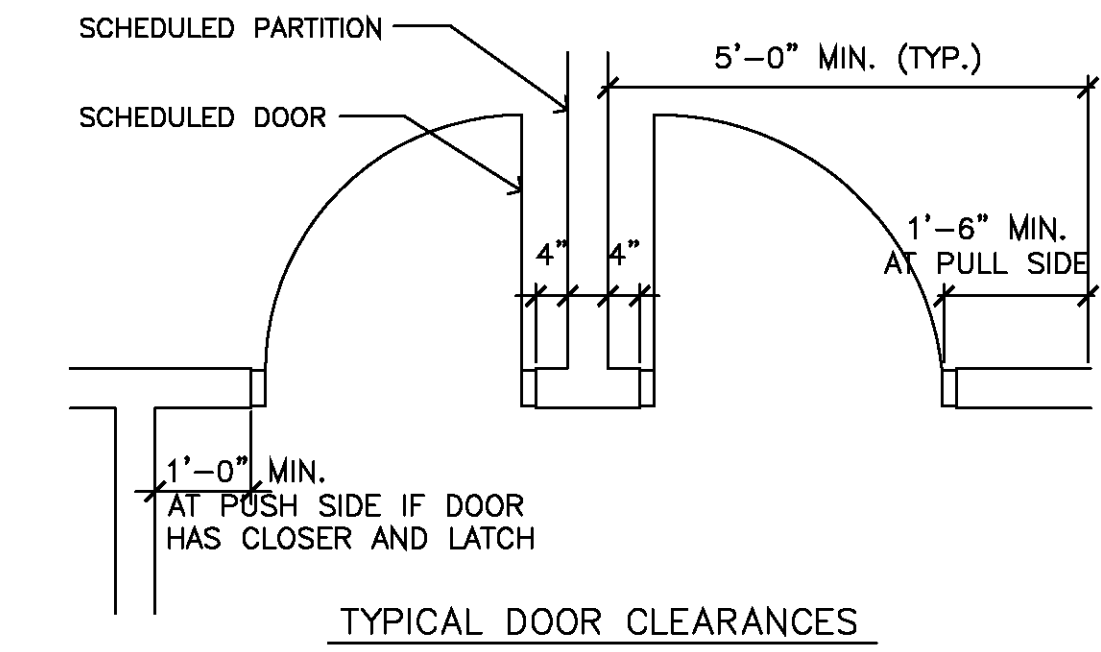
- A. All Cookson Rolling Counter/Fire Doors shall be installed in accordance with **NFPA Bulletin 80** by an authorized Cookson Distributor.

END OF SECTION
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GENERAL DOOR NOTES:

1. ALL LATCHING DOORS TO HAVE LEVER HANDLED HARDWARE.
2. PROVIDE 12" CLEARANCE ON THE "PUSH" SIDE OF DOOR BETWEEN LEADING EDGE OF DOOR LEAF AND ADJACENT WALL SURFACE IF DOOR HAS BOTH A CLOSER AND A LATCH. PROVIDE 18" CLEARANCE ON THE "PULL" SIDE.
3. WEATHER-STRIP ALL EXTERIOR DOORS.
4. PROVIDE RUBBER DOOR SILENCER INSERTS AT ALL HOLLOW METAL DOOR FRAMES.
5. PROVIDE VISIBLE FACTORY-AAPPLIED LABEL AT ALL RATED DOORS AND FRAMES.
6. PROVIDE FLOOR OR WALL MOUNTED DOOR STOPS AT LOCATIONS WHERE ADJACENT WALLS ARE SUBJECT TO DAMAGE WHICH MAY BE CAUSED BY CONTACT WITH DOOR HARDWARE.
7. EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY FOR OPERATION FROM THE INSIDE OF THE BUILDING.
8. CONTRACTOR TO COORDINATE AND VERIFY WITH THE OWNERS' REPRESENTATIVE ANY AND ALL HARDWARE CHOICES AND SPECIFICATIONS.
9. ALL THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT.
10. EACH WINDOW AND DOOR LOCATED IN WALLS WHICH SEPARATE CONDITIONED AND UNCONDITIONED SPACE (INCLUDING BUILDING EXTERIOR) SHALL BE LABELED BY THE MANUFACTURER TO CERTIFY COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL PENETRATION RATING COUNCIL PER NFRC 100 AND 200 FOR FIELD VERIFICATION BY THE FIELD INSPECTOR.

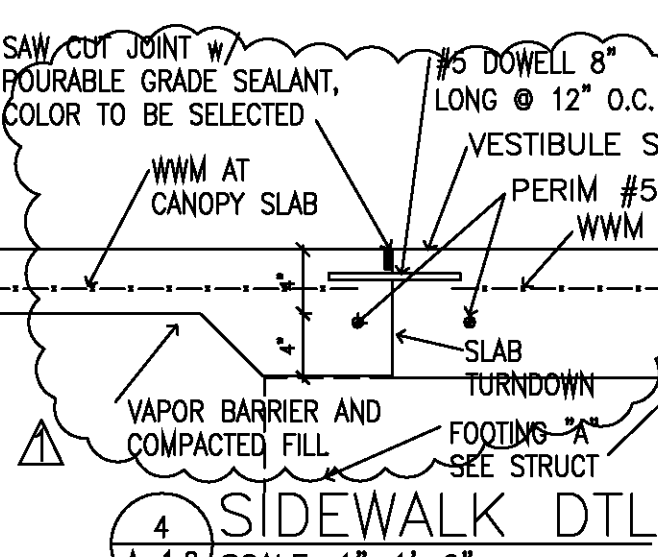
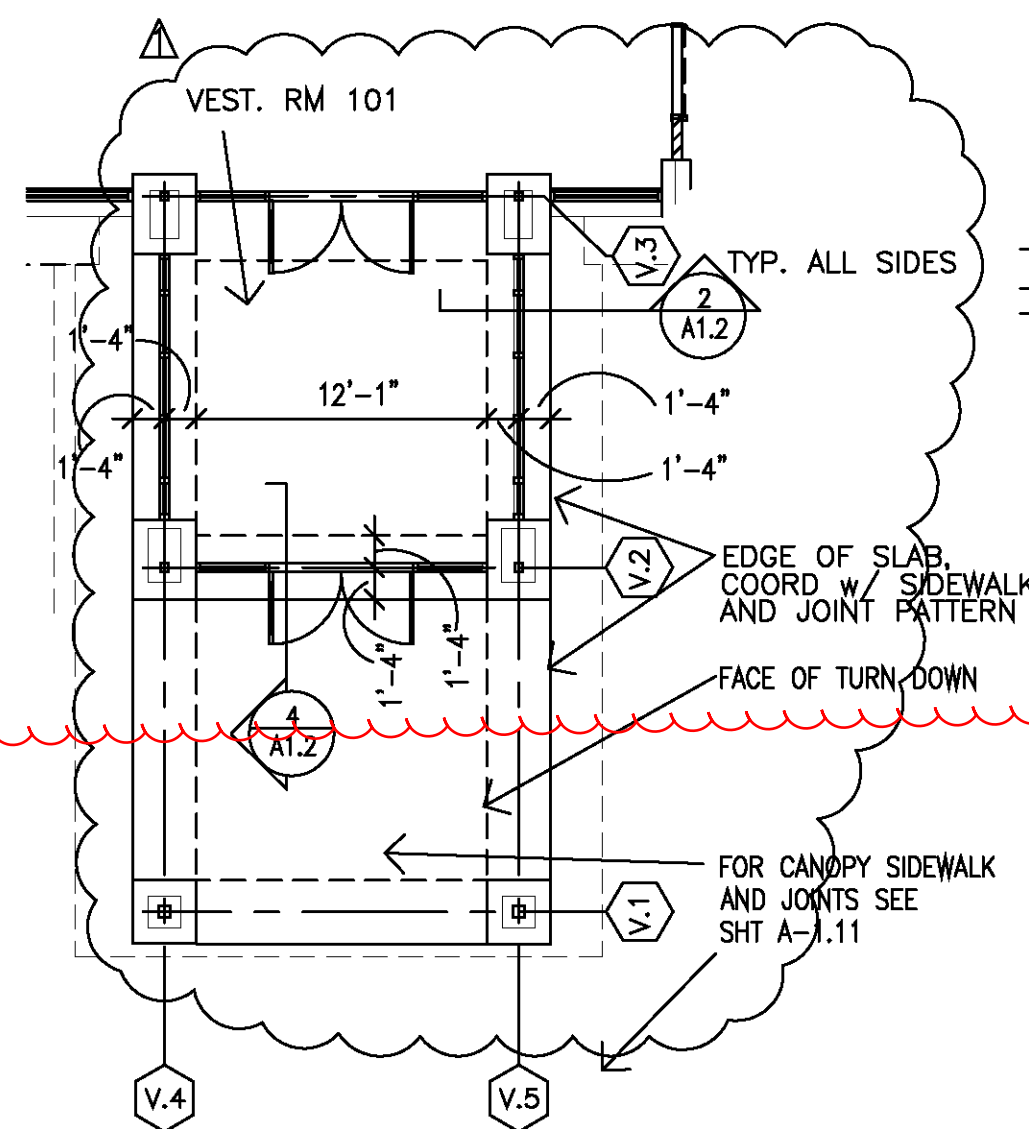
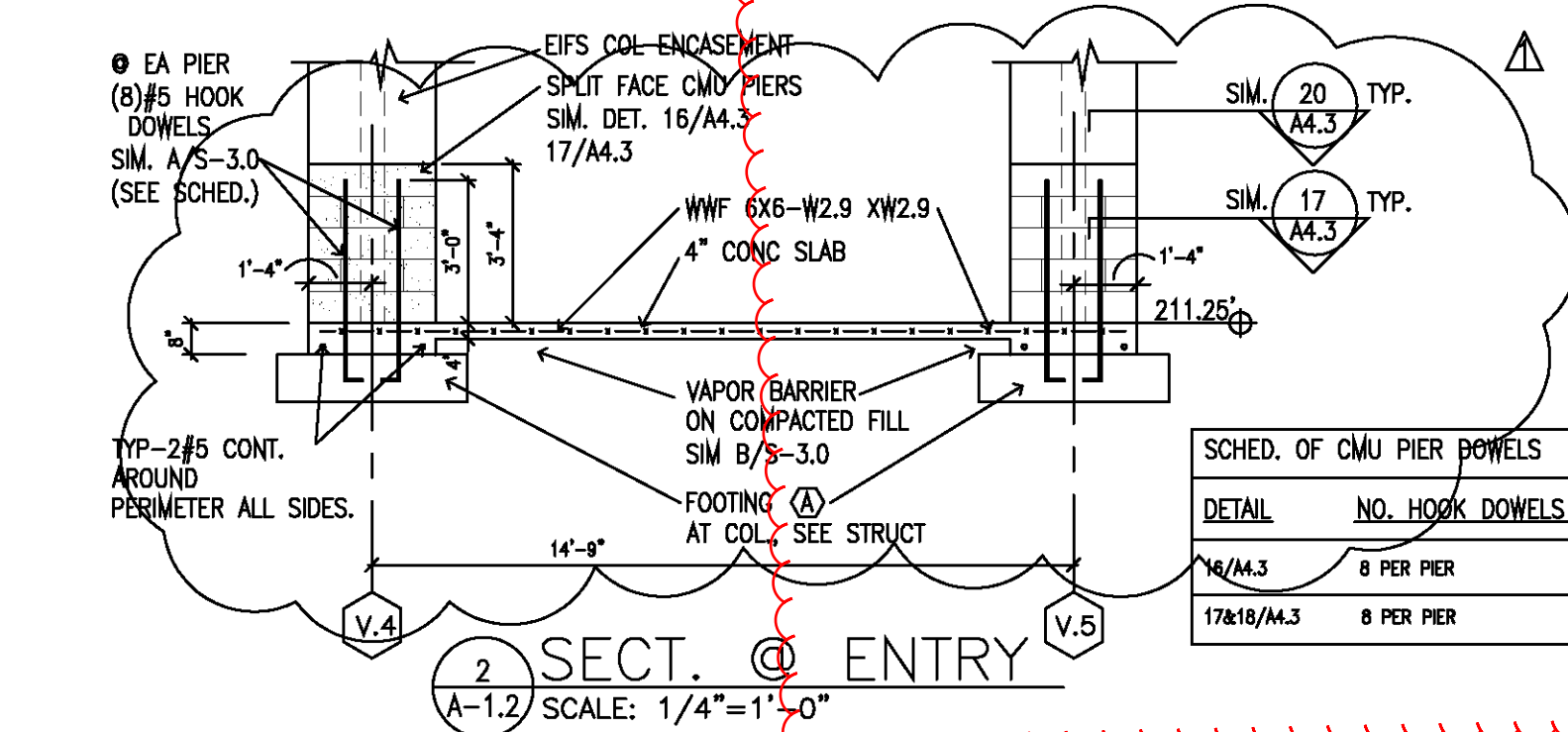
NOTE: ALL DOORS SHALL MEET ADA ACCESSIBILITY REQUIREMENTS.



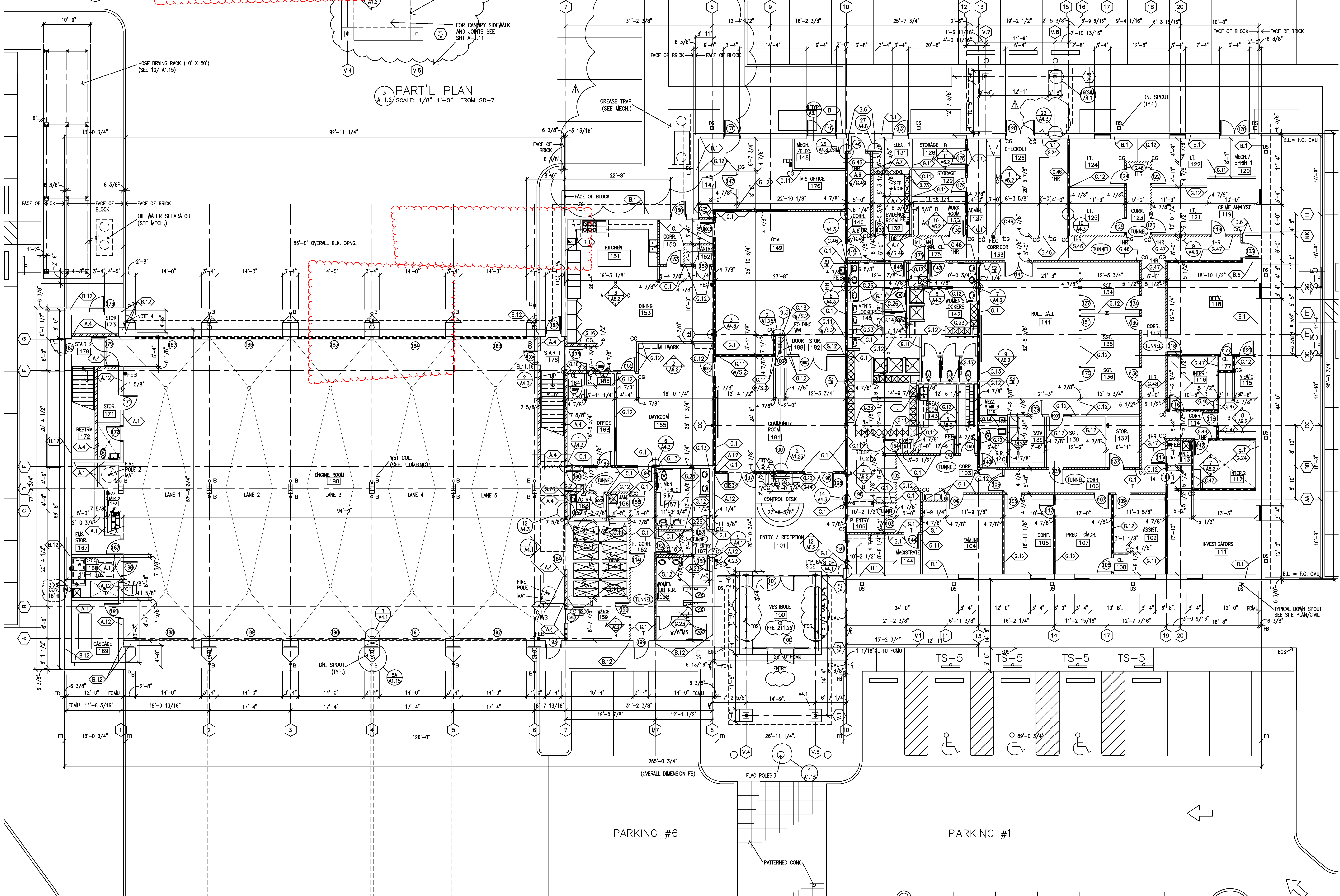
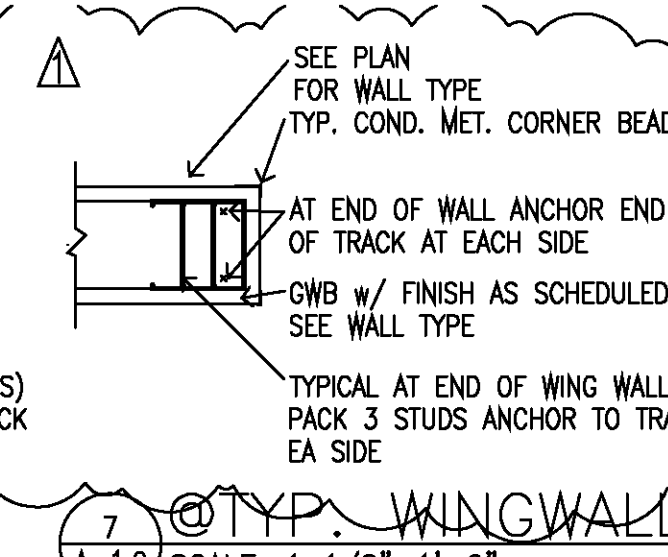
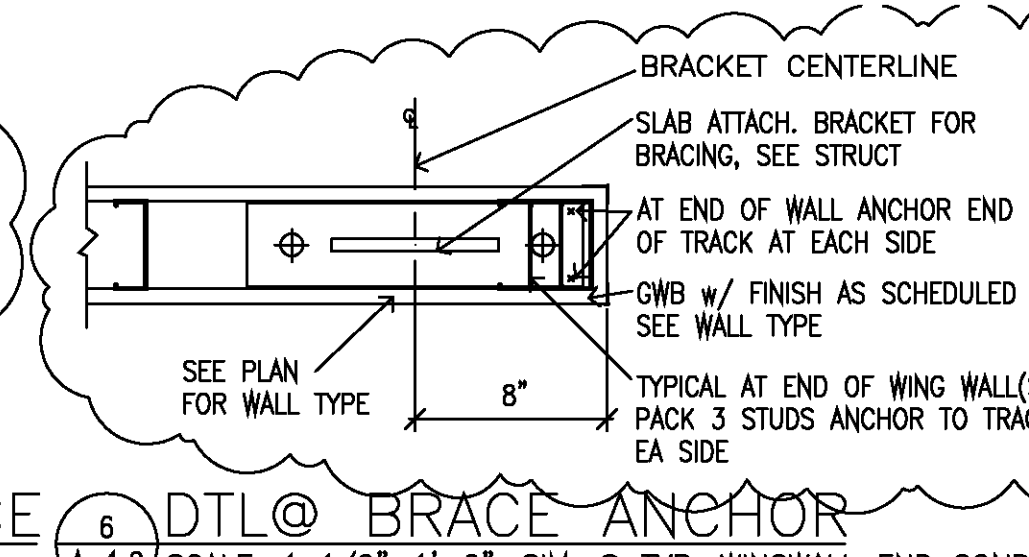
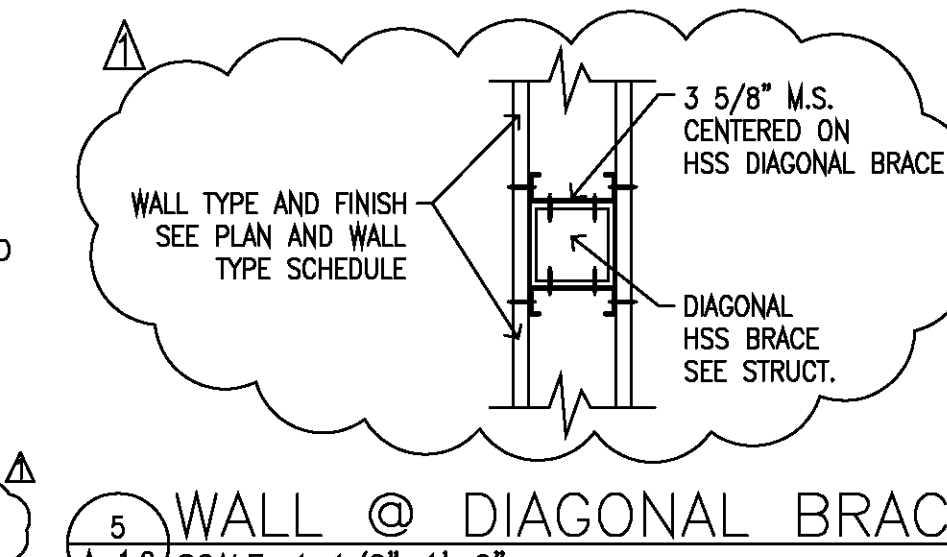
DOOR & FRAME SCHEDULE

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DOOR										DIMENSIONS				FRAME		DETAIL				SILL		REMARKS		DOOR NO.	
DOOR NO.	LOCATION	ROOM #	TYPE	MAT.	FINISH	WIDTH	HEIGHT	THICK	TYPE	MAT.	FINISH	HEAD	JAMB	JAMB	SILL	MIN.	REMARKS	DOOR NO.							
100	VESTIBULE	100	F	AL	ANOD.	PR. 3'-0"	7'-0"	-	IV	AL	ANOD.	SEE MFG.	SEE MFG.	SEE MFG.	3"/4"	1	1/4" TEMPERED GLAZING	100							
101	ENTRANCE/RECEPTION	101	F	AL	ANOD.	PR. 3'-0"	7'-0"	-	IV	AL	ANOD.	SEE MFG.	SEE MFG.	SEE MFG.	3"/4"	2	1/4" TEMPERED GLAZING	101							
102	RECEPTION	102	F	AL	ANOD.	PR. 3'-0"	7'-0"	-	IV	AL	ANOD.	SEE MFG.	SEE MFG.	SEE MFG.	3"/4"	3	1/4" TEMPERED GLAZING	102							
103	CORRIDOR / POLICE	103	B	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20		103							
104	RM. INTERVIEW	104	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	4	104							
105	OFFICE / POLICE	105	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	5	105							
106	CORRIDOR / CORR.	106	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	4	106							
107	PRECT. CMGR.	107	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	107							
108	CLOSET/PRECT. CMGR.	108	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	108							
109	ASSIST.	109	B	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	8	109							
110	MEZZ. STAIR	110	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	9	110							
111	INVESTIGATORS	111	A	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	8	111							
112	INTERROGATION	112	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	24"/4.8SM	25"/4.8	25"/4.8	30"/4.8	20	9	112							
113	INTERROGATION	113	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	24"/4.8SM	25"/4.8	25"/4.8	30"/4.8	20	10	113							
114	TURN-OUT GEAR-1	114	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	11	114							
115	VIEWING	115	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	24"/4.8SM	25"/4.8	25"/4.8	30"/4.8	20	8	115							
116	INTERROGATION	116	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	9	116							
117	CONFERENCE	106	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	117							
118	DETECTIVES	118	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	8	118							
119	CRIME ANALYST	119	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	10	119							
120	MECH. / SPRINK. 1	120	A	HMD	2	PR. 3'-0"	7'-0"	1 3/4"	V	HMF	2	14"/4.8SM	15"/4.8	15"/4.8	9/3.1	-	11	REMOVABLE MULLION	120						
121	LT. / POLICE	121	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	121							
122	LT. / POLICE	122	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	122							
123	VIEWING	123	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	123							
124	LT. / POLICE	124	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	124							
125	LT. / POLICE	125	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	125							
126	CHECKOUT	126	D	HMD	56	PR. 3'-0"	7'-0"	1 3/4"	V	HMF	51	32"/4.8	33"/4.8	33"/4.8	9/3.1	-	12	HMF TYPE W/ LM IMPACT GLASS-SEE 17/4.1	126						
127	STG. / ROLL CALL	127	A	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	127							
128	STORAGE / POLICE	128	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	6	128							
129	STORAGE / POLICE	129	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	129							
130	WORKROOM / POLICE	130	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	6	130							
131	ELEC. / POLICE	131	A	HMD	2	3'-0"	7'-0"	1 3/4"	I	HMF	51	28"/4.8SM	28"/4.8	29"/4.8	30"/4.8	20	13	131							
132	EVIDENCE ROOM	132	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	28"/4.8SM	28"/4.8	29"/4.8	30"/4.8	20	14	132							
133	CORRIDOR / EXIT	133	B	HMD	2	3'-0"	7'-0"	1 3/4"	III	HMF	2	28"/4.8SM	28"/4.8	29"/4.8	9/3.1	SM	-	15	133						
134	SGT. / POLICE	134	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	6	134							
135	SGT. / POLICE	135	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	6	135							
136	SGT. / POLICE	136	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	6	136							
137	STOR. / STAIR	137	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	16	137							
138	STOR. / POLICE	138	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	6	138							
139	DATA	139	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	17	139							
140	PUBLIC RESTRM.	140	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	18	140							
141	ROLL CALL	141	B	SCWD	56	PR. 3'-0"	7'-0"	1 3/4"	IV	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	19	141							
142	WOMEN'S LOCKERS	142	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	20	142							
143	BREAK ROOM	143	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	21	143							
144	MAGISTRATE	144	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	22	144							
145	MEN'S LOCKERS	145	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	23	145							
146	MEN'S LOCKERS	146	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	20"/4.8SM	21"/4.8	21"/4.8	30"/4.8	20	24	146							
147	CORRIDOR / POLICE	147	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	27"/4.8SM	27"/4.8	27"/4.8	30"/4.8	20	15	147							
148	MIS.	147	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	148							
149	ELEC.	148	A	HMD	2	PR. 3'-0"	7'-0"	1 3/4"	V	HMF	2	14"/4.8SM	15"/4.8	15"/4.8	9/3.1	-	22	REMOVABLE MULLION	149						
150	GYM	149	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	8	150							
151	CORRIDOR / DIR	150	B	HMD	2	3'-0"	7'-0"	1 3/4"	III	HMF	2	14"/4.8SM	15"/4.8	15"/4.8	9/3.1	-	15	151							
152	SGT. / POLICE	152	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	W/ TEMPERED GLAZING	152						
153	PANTRY	153	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	153							
154	CLOSET / RESTROOM	154	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	24	154							
155	DAYROOM	155	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	25	155							
156	JAN. CLOS. / RESTROOM	156	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	26	156							
157	MEN'S PUBLIC RM.	157	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	21	157							
158	WOMEN'S PUBLIC RM.	158	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	21	158							
159	RADIO/WATCH RM.	159	A	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	26	159							
160	CORRIDOR / RESTROOM	160	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	2	6"/4.8	7"/4.8	7"/4.8	30"/4.8	20	27	160							
161	MAGISTRATE	161	H	STL	RD	3'-8"	6'-6"	-	IV	SM	STL	35"/4.8	36"/4.8	36"/4.8	-	-	20	COUNTER FIRE SHUTTER, HMF-HEAD+2 JAMBS	161						
162	TURN-OUT GEAR-2	162	B	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	24	162							
163	OFFICE / RESTROOM	163	A	SCWD	56	3'-0"	7'-0"	1 3/4"	I	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	25	163							
164	TURN-OUT GEAR	164	H	STL	1	10'-0"	7'-0"	-	IV	STL	1	10'-0"	7'-0"	-	6			28	ROLL-UP DOOR	164					
165	STORAGE / OUTSIDE	165	A	HMD	2	PR. 2'-8"	7'-0"	1 3/4"	V	HMF	2	16"/4.8	17"/4.8	17"/4.8	30"/4.8	20	11	165							
166	GENERATOR / OUTSIDE	166	A	HMD	2	PR. 2'-8"	7'-0"	1 3/4"	V	HMF	2	16"/4.8	17"/4.8	17"/4.8	30"/4.8	20	11	166							
167	ENGINE ROOM	167	H	STL	1	14'-0"	14'-0"	-	IV	STL	1	16"/4.8	17"/4.8	17"/4.8	30"/4.8	20	22	167							
168	ENGINE ROOM	168	H	STL	1	14'-0"	14'-0"	-	IV	STL	1	16"/4.8	17"/4.8	17"/4.8	30"/4.8	20	21	168							
169	ENGINE ROOM	169	H	STL	1	14'-0"	14'-0"	-	IV	STL	1	30"/4.8	31"/4.8	31"/4.8	30"/4.8	20	7	169							
170	SGT. / POLICE	136	A	SCWD	56	3'-0"	7'-0"	1 3/4"	III	HMF	51	4"/4.8	5"/4.8	5"/4.8	30"/4.8	20	7	W/ TEMPERED GLAZING	170						
171	STORAGE / RESTROOM	171	A	HMD	2	3'-0"	7'-0"	1 3/4"	I	HMF	2	16"/4.8	17"/4.8	17"/4.8	30"/4.8	20	13	171							
172	RESTROOM / RESTROOM	172	A	H																					



NOTES:
1. PROVIDE CORRIDOR TUNNEL CONTINUATION WHERE REQUIRED. SEE ALSO TUNNEL NOTATIONS ON SHEET A1.26 ATTIC PLAN.
2. IN ROOM 156 SEE MECH. FOR DUCT FROM ABOVE.
3. ALL COLUMNS CONSIDERING WITH A GIB WALL SHALL BE PROVIDED WITH GIB FUR-OUTS AND FINISHED. TYPICAL DETAILS EXCEPT THOSE FOR SELECTED CONDITIONS. ALL COLUMNS NOT REFERENCED SHALL BE PROVIDED WITH FUR-OUT CONSTRUCTION SIMILAR TO ONE OF THE DETAILS 1-14 OF SHEET A-4.3. MAINTAIN THE RATING OF THE WALL INVOLVED.
4. PROVIDE ALL OPENINGS IN WALL FOR MTL. DUCTS, OPENINGS, LOUVERS, SEE & COORD. W/MECH.
5. ALL FLOOR DRAINS SHALL RECEIVE TRAP PRIMERS EXCEPT THOSE RECEIVING HVAC UNIT CONDENSATE DISCHARGE. FLOOR DRAINS ARE SHOWN ON THE PLUMBING DRAWINGS AND PER NOTE 11 ON SHEET P-1.11 SHALL RECEIVE TRAP PRIMERS.



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REVISIONS	NO.	DATE
	1	4/27/09 ADDEN. COORD.

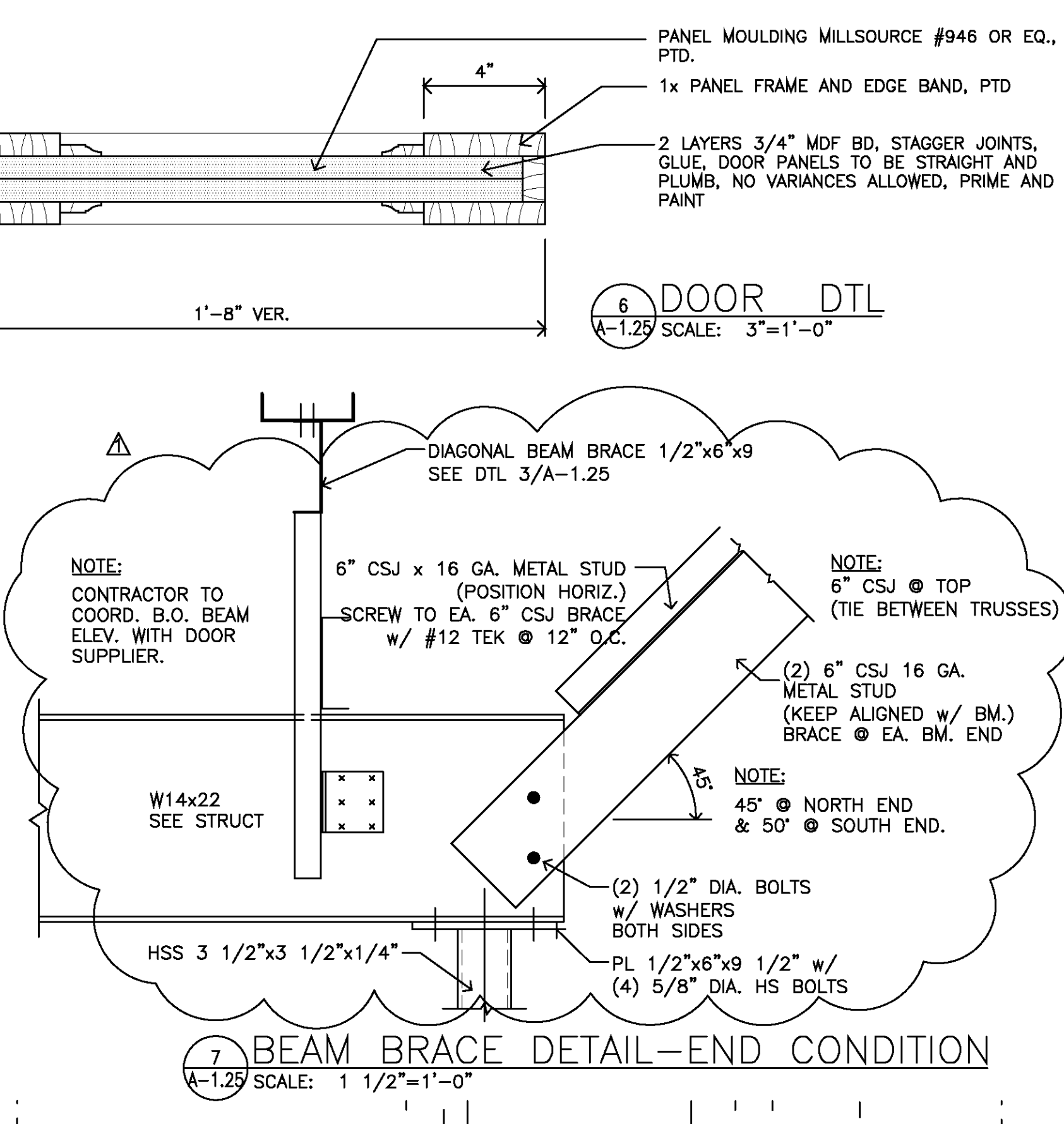
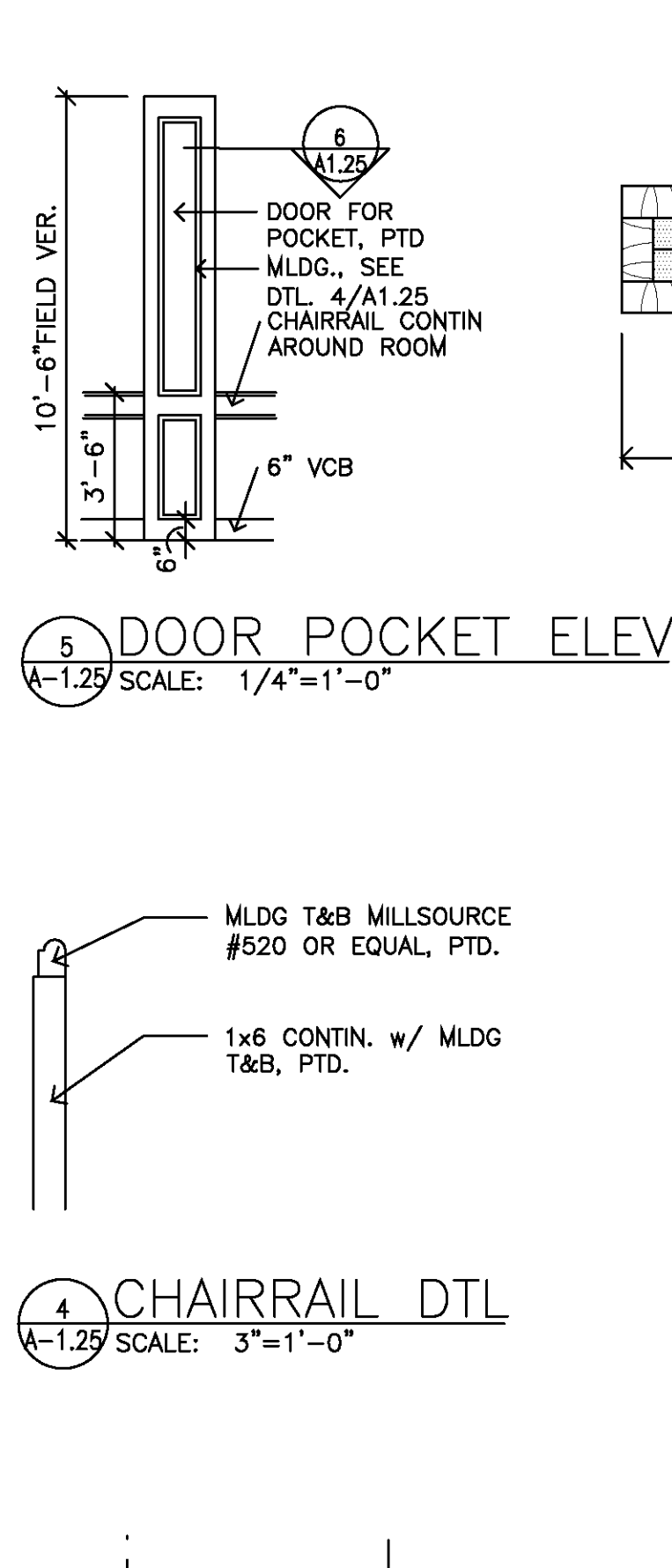
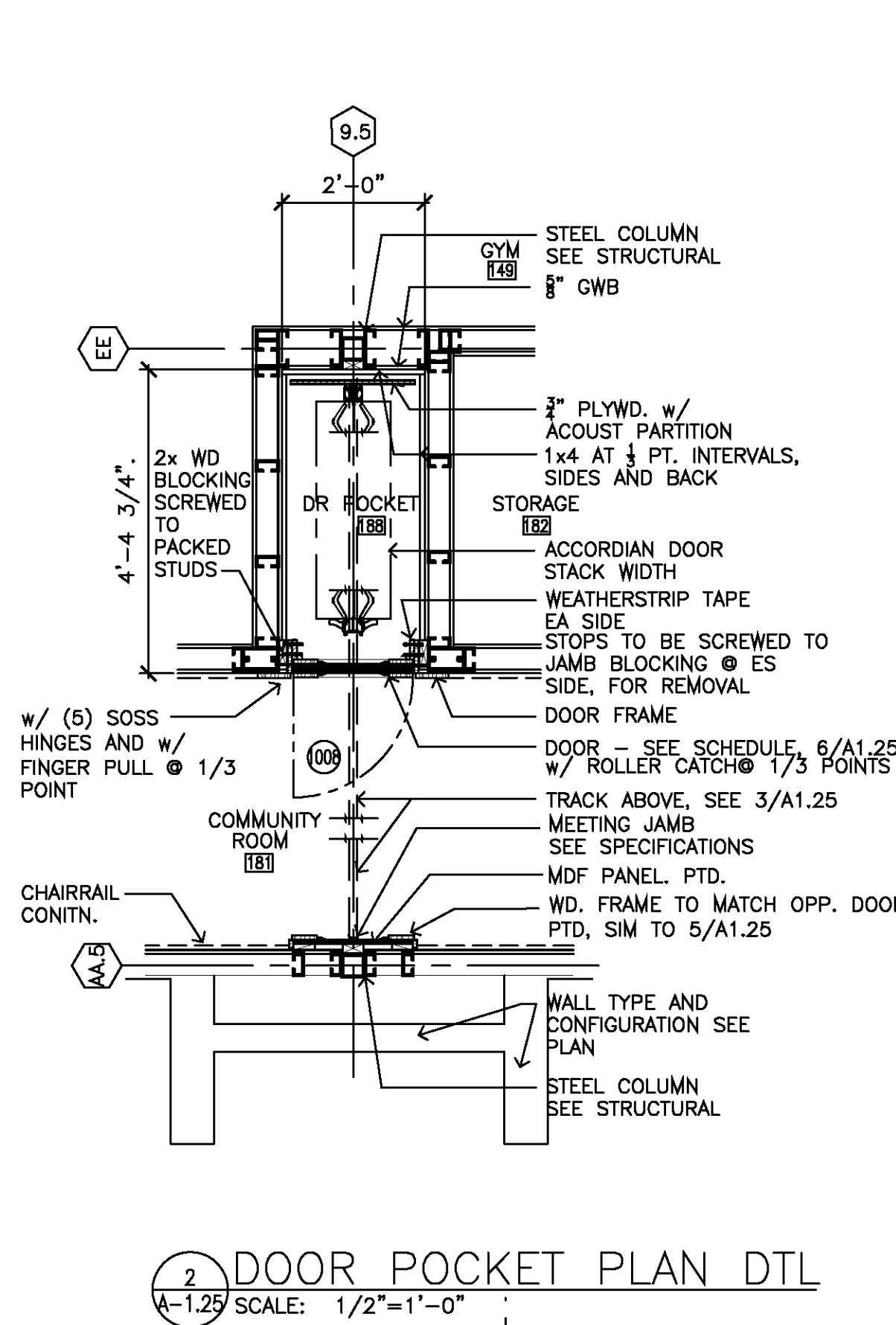
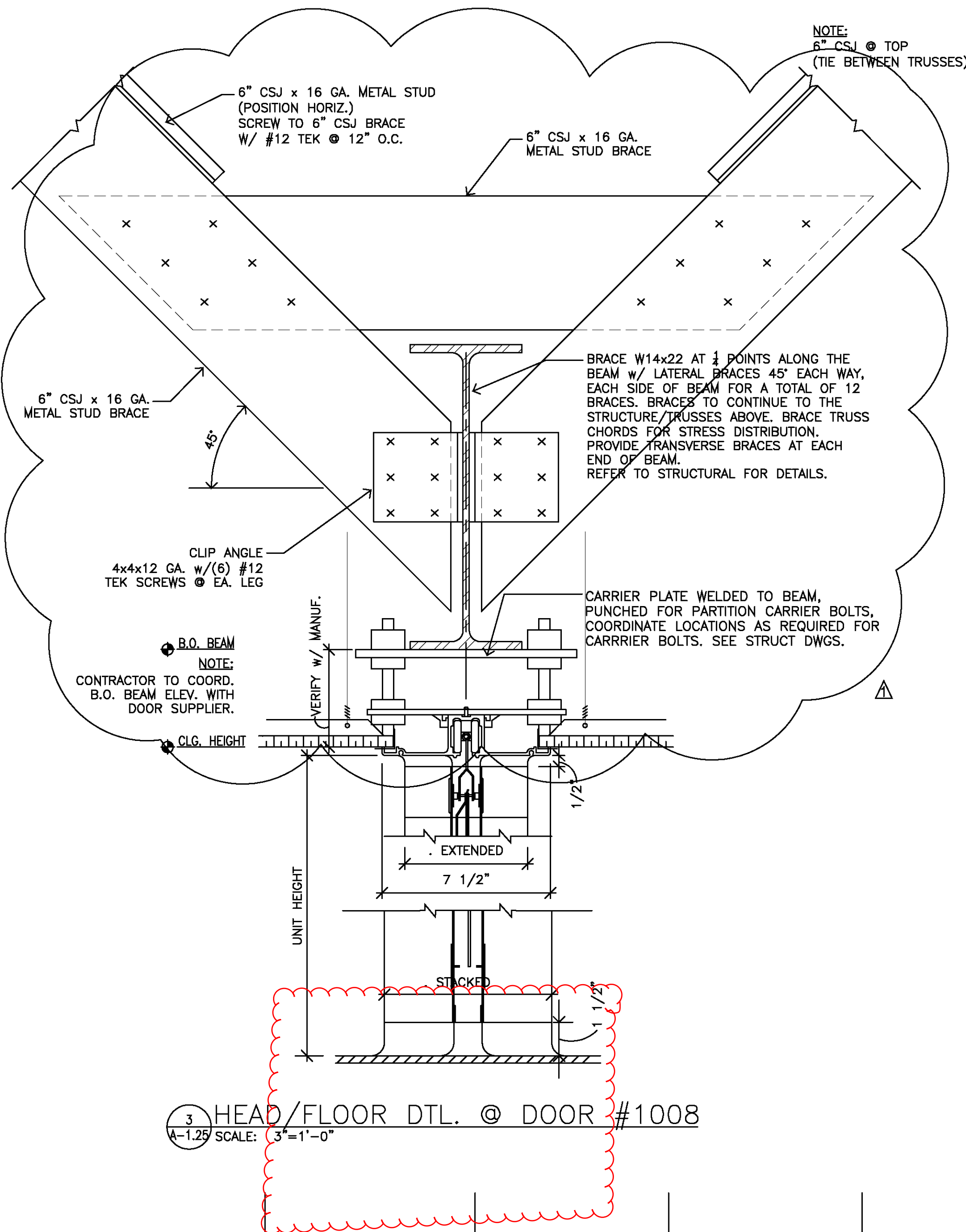
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PROJ. NO.: 2706
DATE: .12/22/2008
TITLE: FIRST FLOOR PLAN
SHEET: A-1.2

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FILE: A120s2706

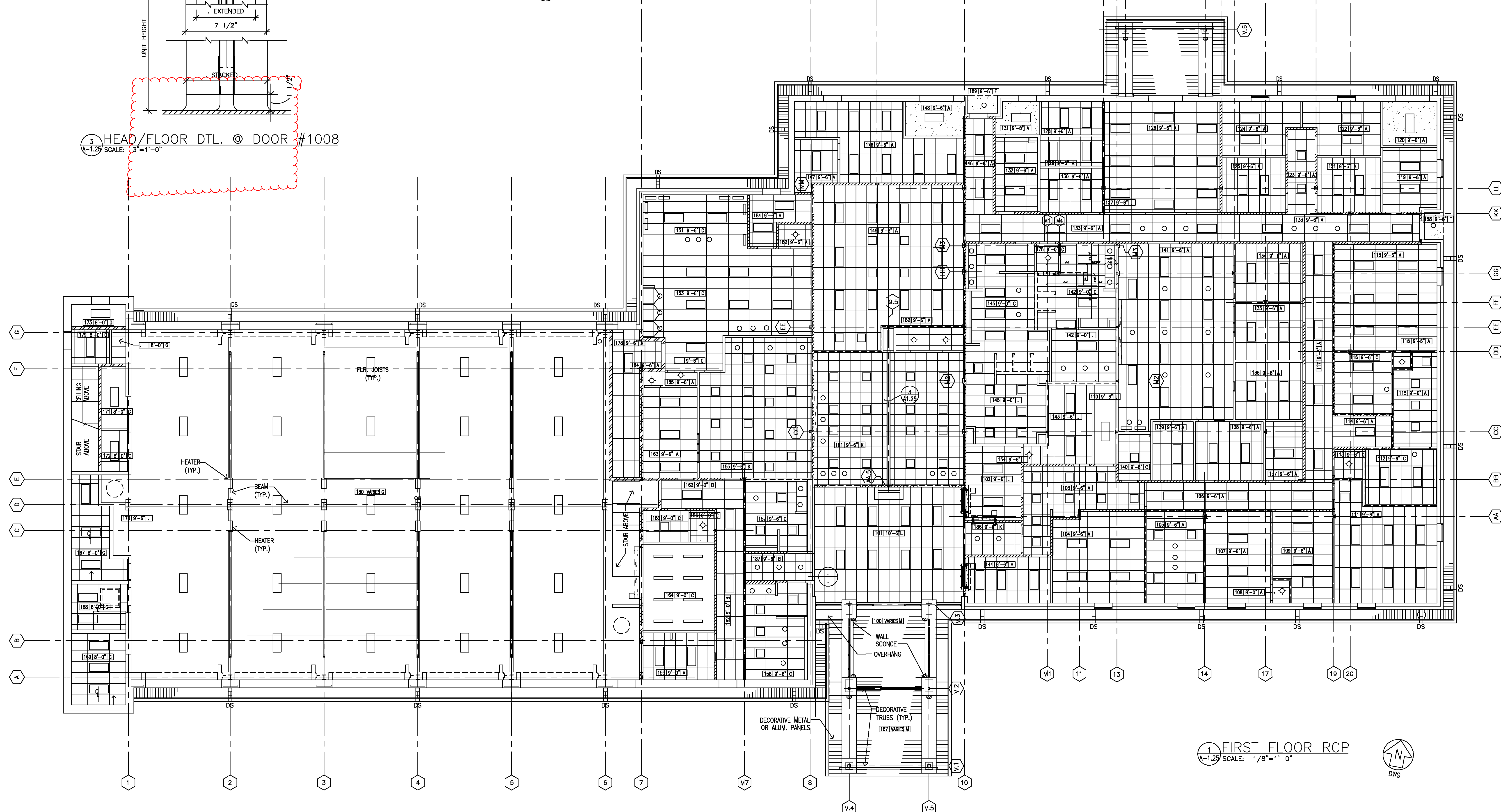


CEILING TYPE SCHEDULE		V121008
A	ACT1 - 2'x4'	
B	ACT2 - 2'x4' FIRE RATED	
C	ACT3 - 2'x4' CLEAN ROOM	
D		
E		
F	STUCCO, EIFS	
G	GWB, PAINTED	
H		
I		
J		
K	ACT 6 - 2'x2' upgrade	
L	ACT4 - UPGRADED 2X4	
M	MET CEILING PANELS	
N	MET SOFFIT PANELS	
O	ACOUSTICAL BARRIER FILM	
P	VINYL COATED GWB 2x2, w/GRID	
Q		
R		
S	EXPOSED, STRUCT. PTD.	
T		

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PROJ. NO.: 2706
DATE: 12/22/2008
TITLE: FIRST FLOOR RCP
SHEET: A-1.25

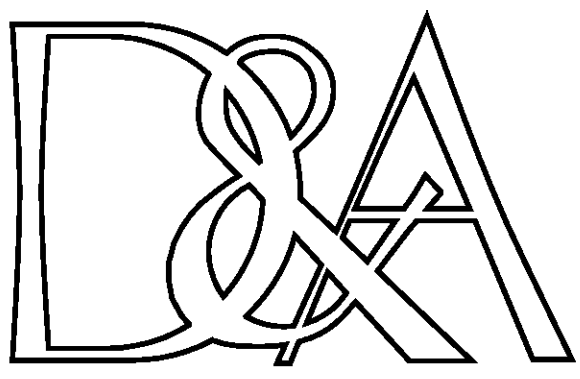
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PROJ. NO.: 2706

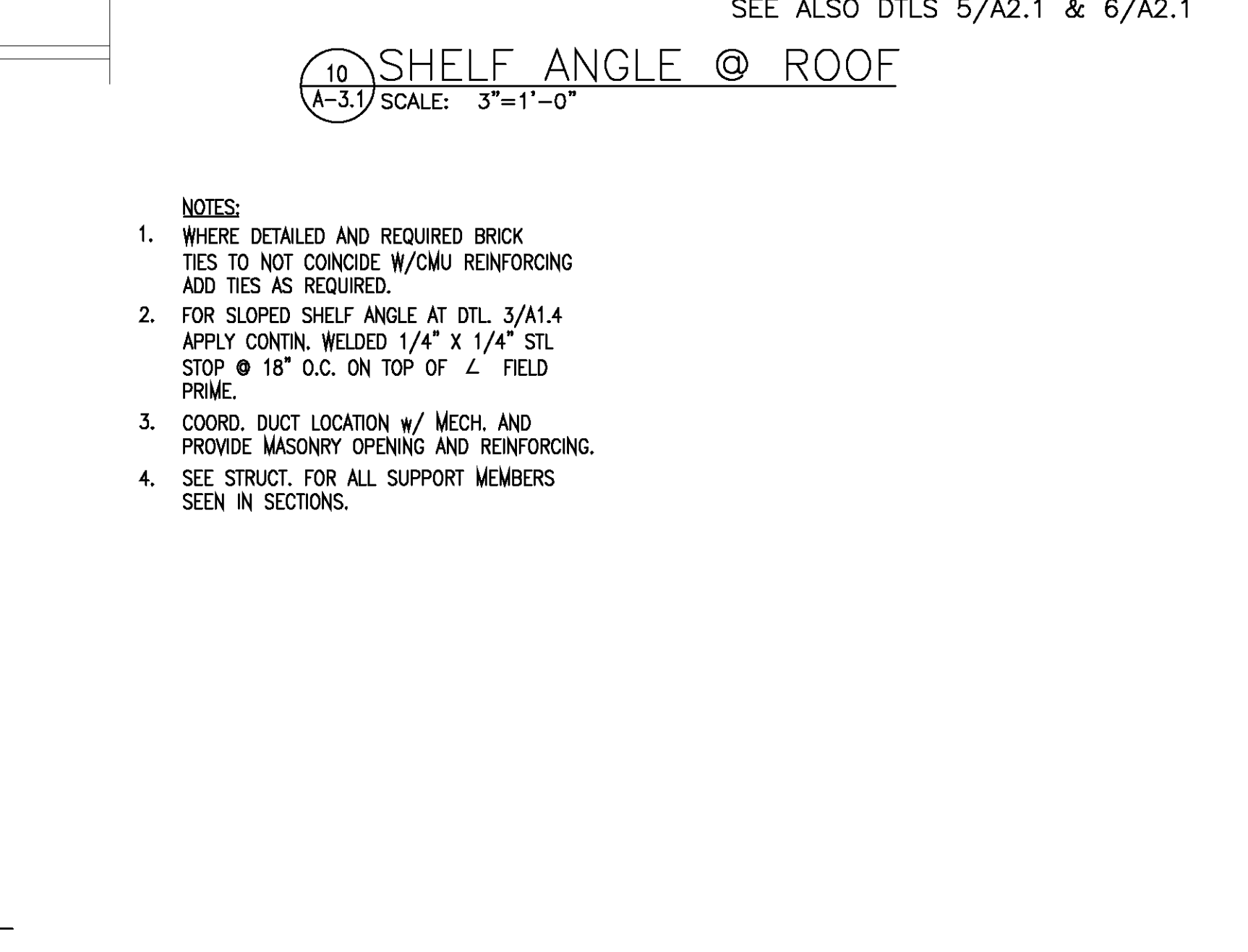
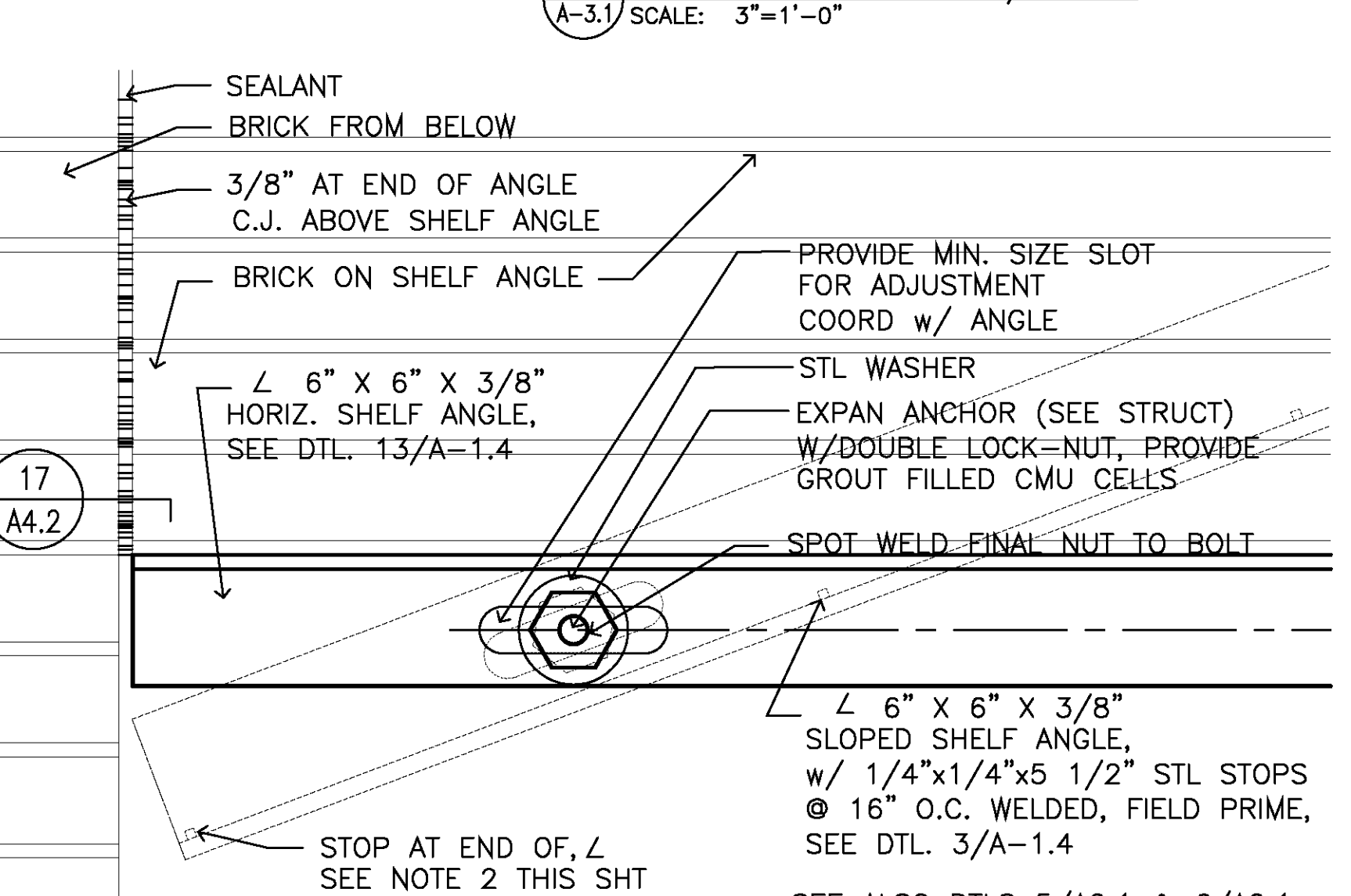
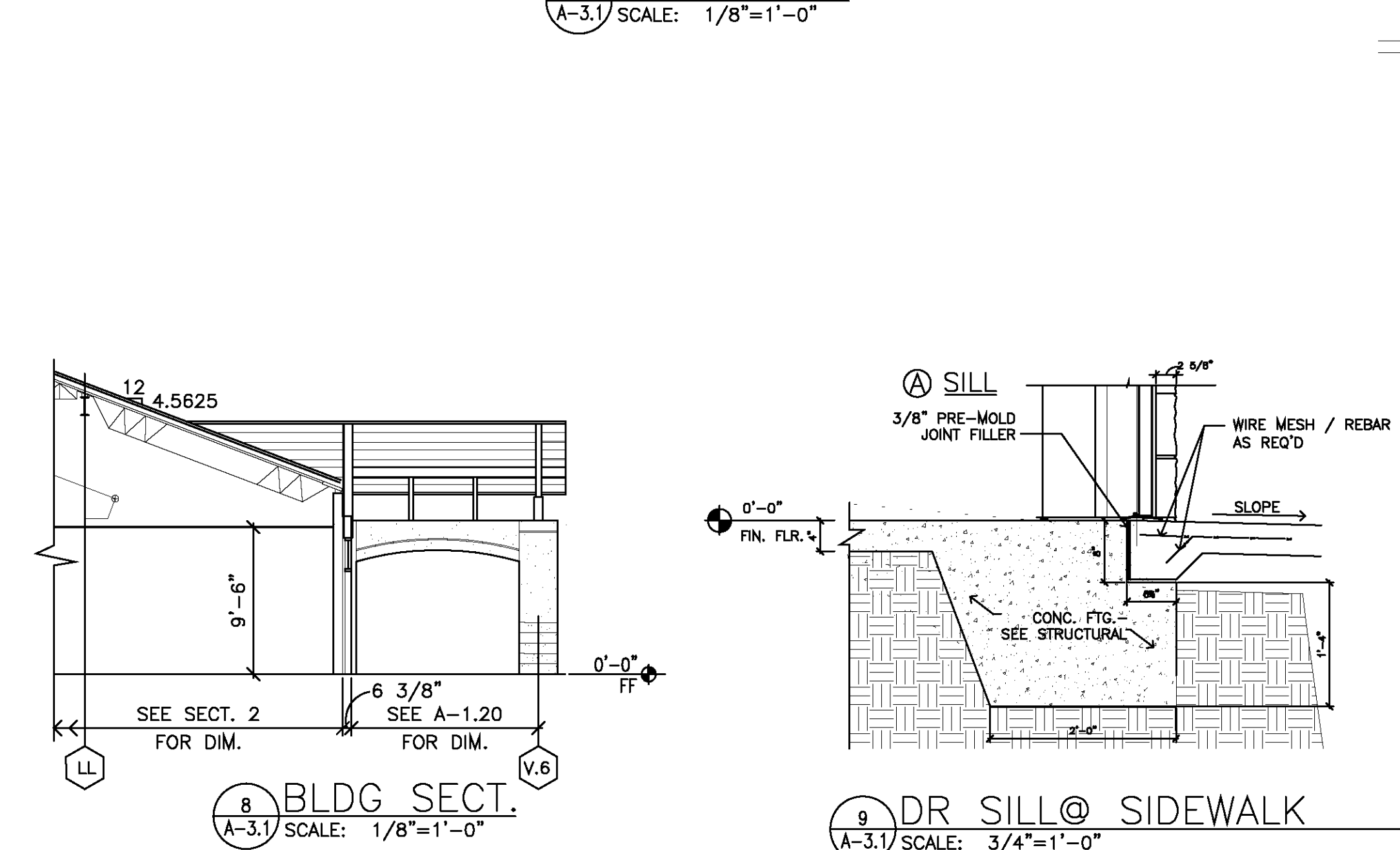
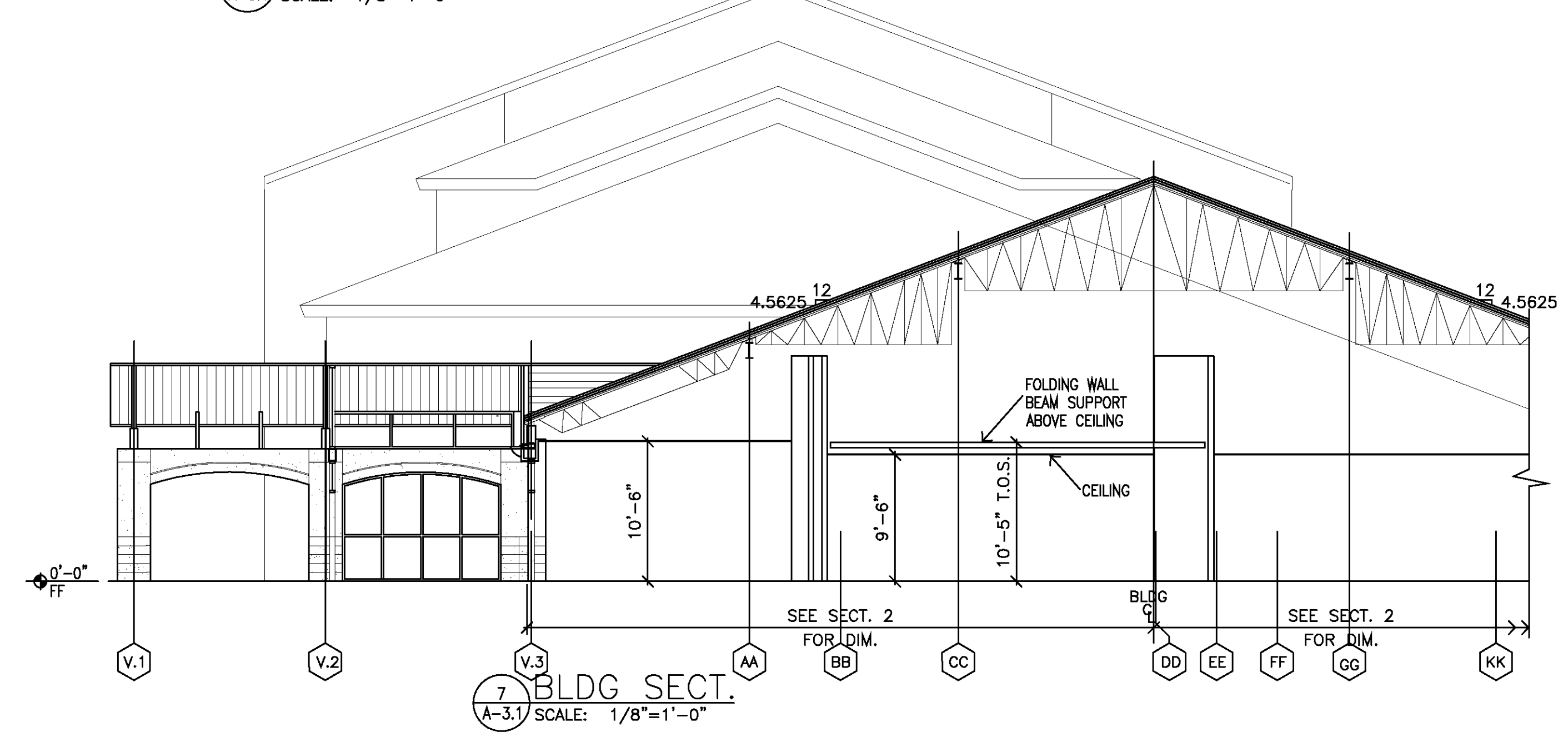
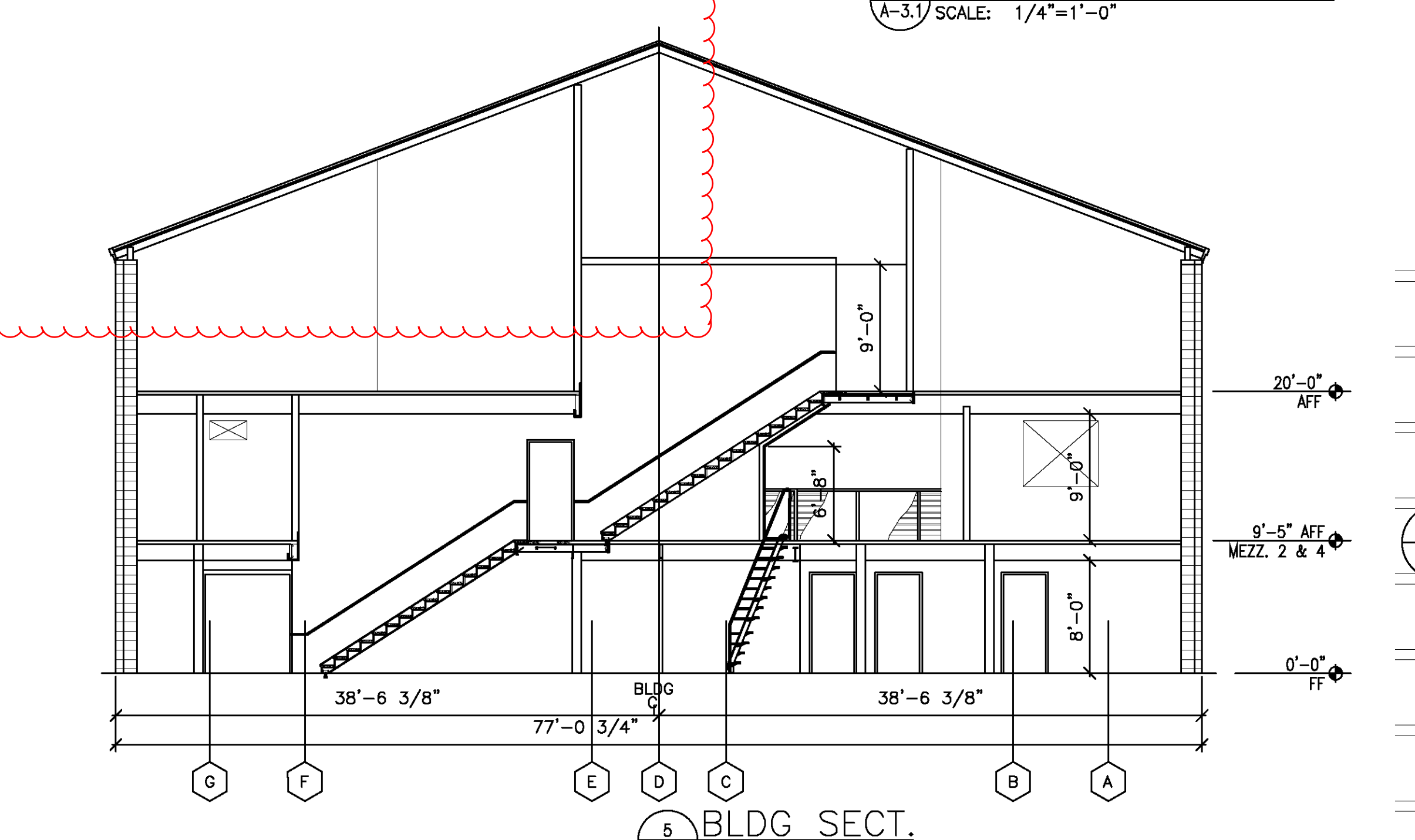
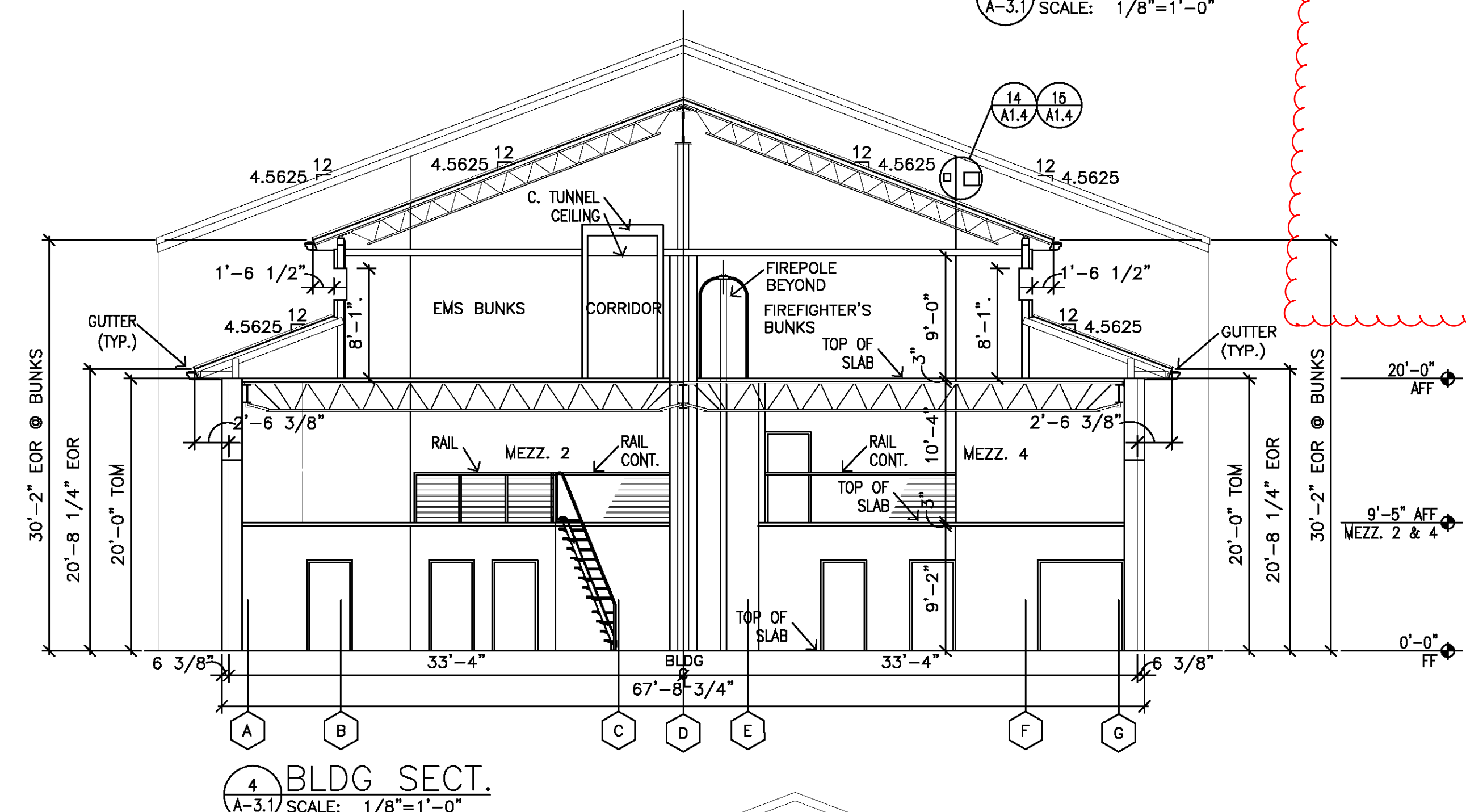
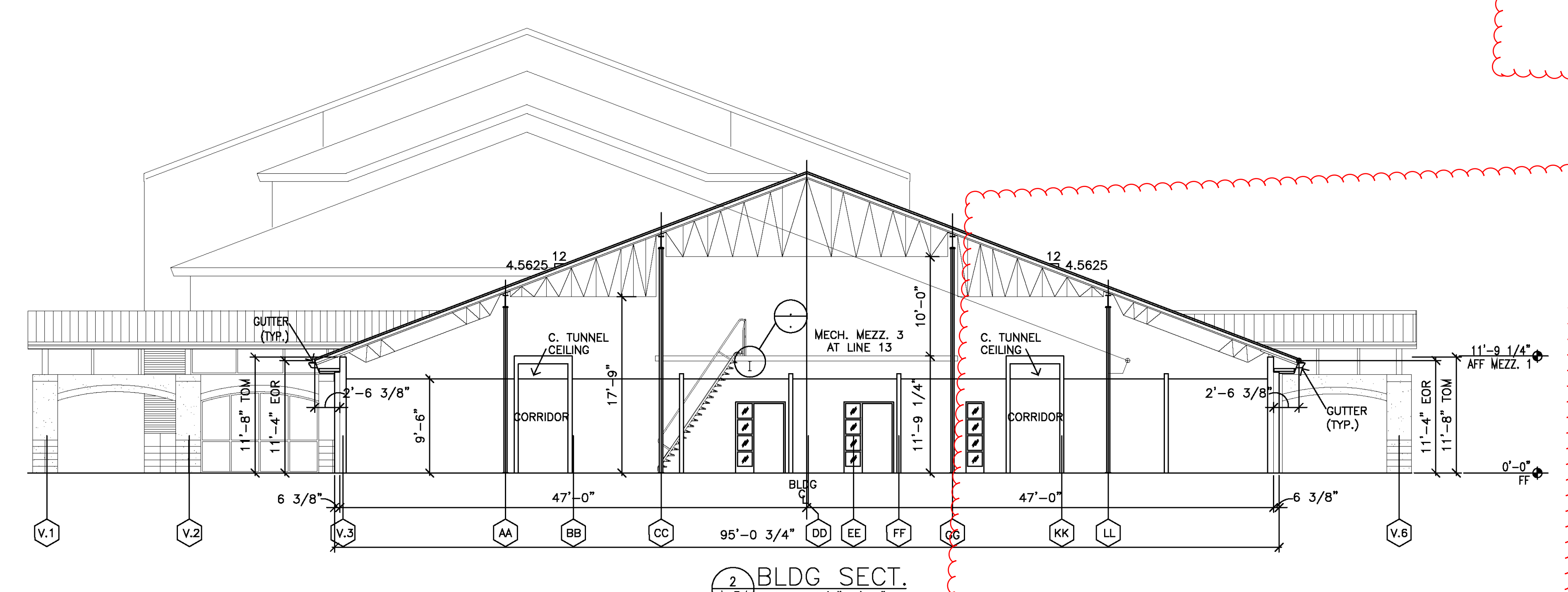
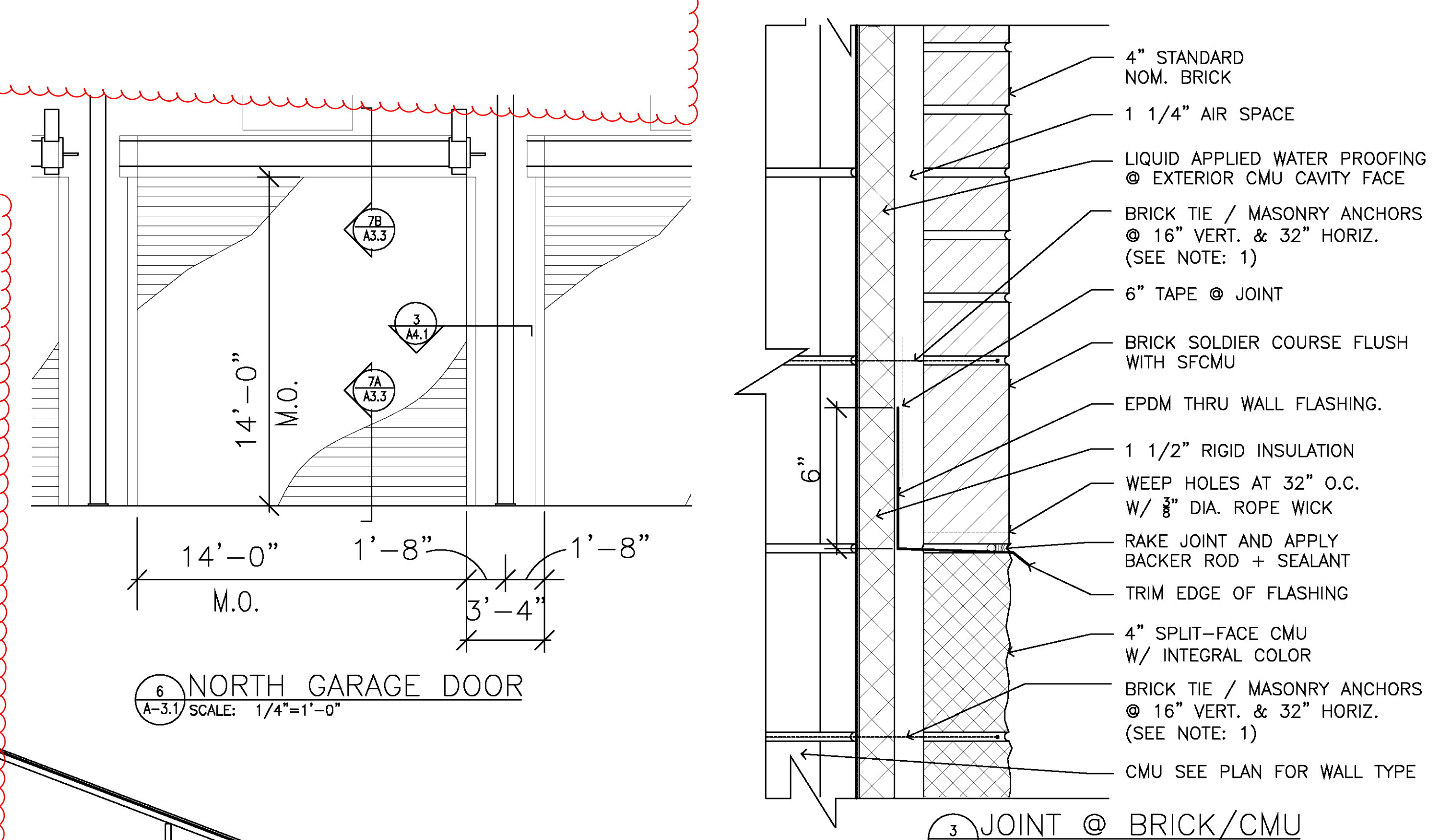
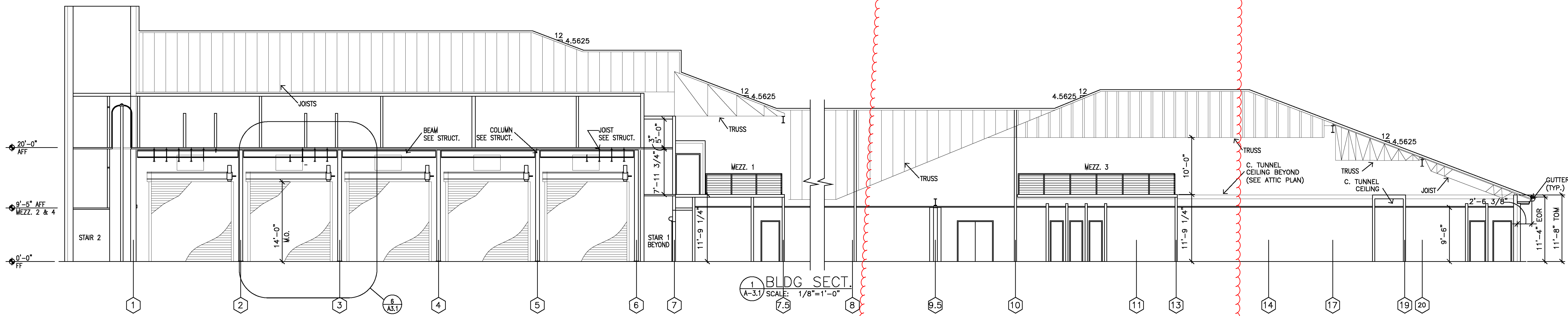
DATE: 12/22/2008

TITLE: BUILDING SECTIONS

SHEET: A-3.1

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- NOTES:
- WHERE DETAILED AND REQUIRED BRICK TIES TO NOT COINCIDE W/CMU REINFORCING ADD TIES AS REQUIRED.
 - FOR SLOPED SHELF ANGLE AT DTL. 3/A1.4 APPLY CONTIN. WELDED 1/4" X 1/4" STL STOP @ 18" O.C. ON TOP OF L FIELD PRIME.
 - COORD. DUCT LOCATION W/ MECH. AND PROVIDE MASONRY OPENING AND REINFORCING.
 - SEE STRUCT. FOR ALL SUPPORT MEMBERS SEEN IN SECTIONS.

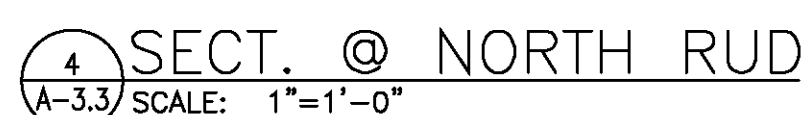
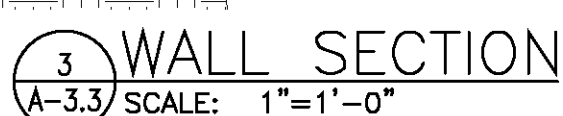
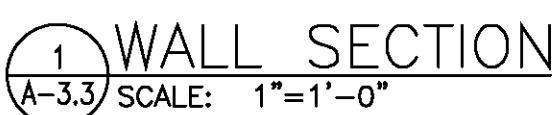


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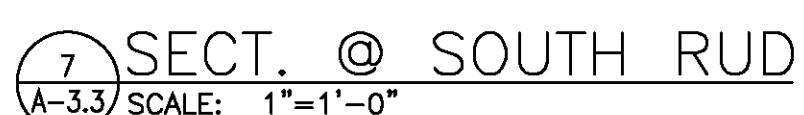
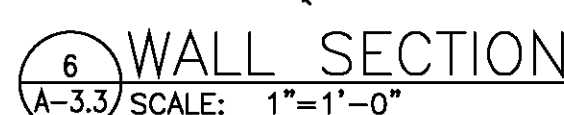
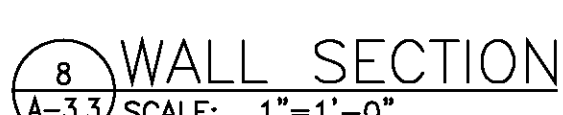
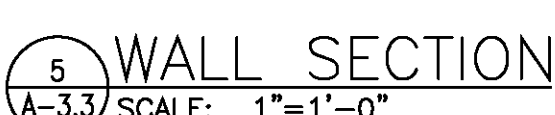
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PROJ. NO.: 2706
DATE: 12/22/2008
TITLE: WALL SECTIONS
.
.
SHEET: A-3.3

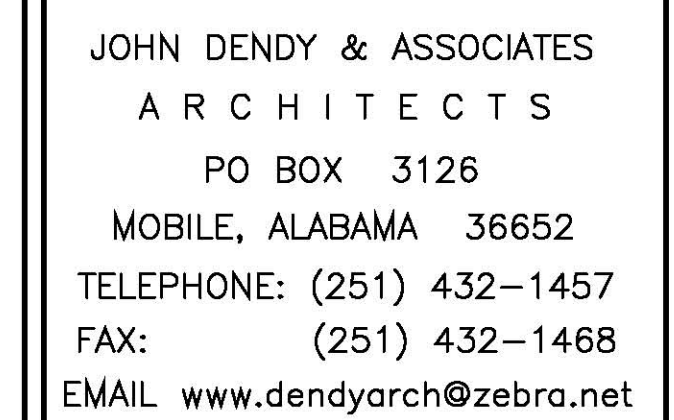
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NOTE:
1. DTL 8/A4.5 GUTTER / FASCIA DETAIL APPLIES @ ALL LOCATIONS, COORDINATE W / STRUCTURAL AND DIMENSION VARIANCES. FIELD VERIFY.

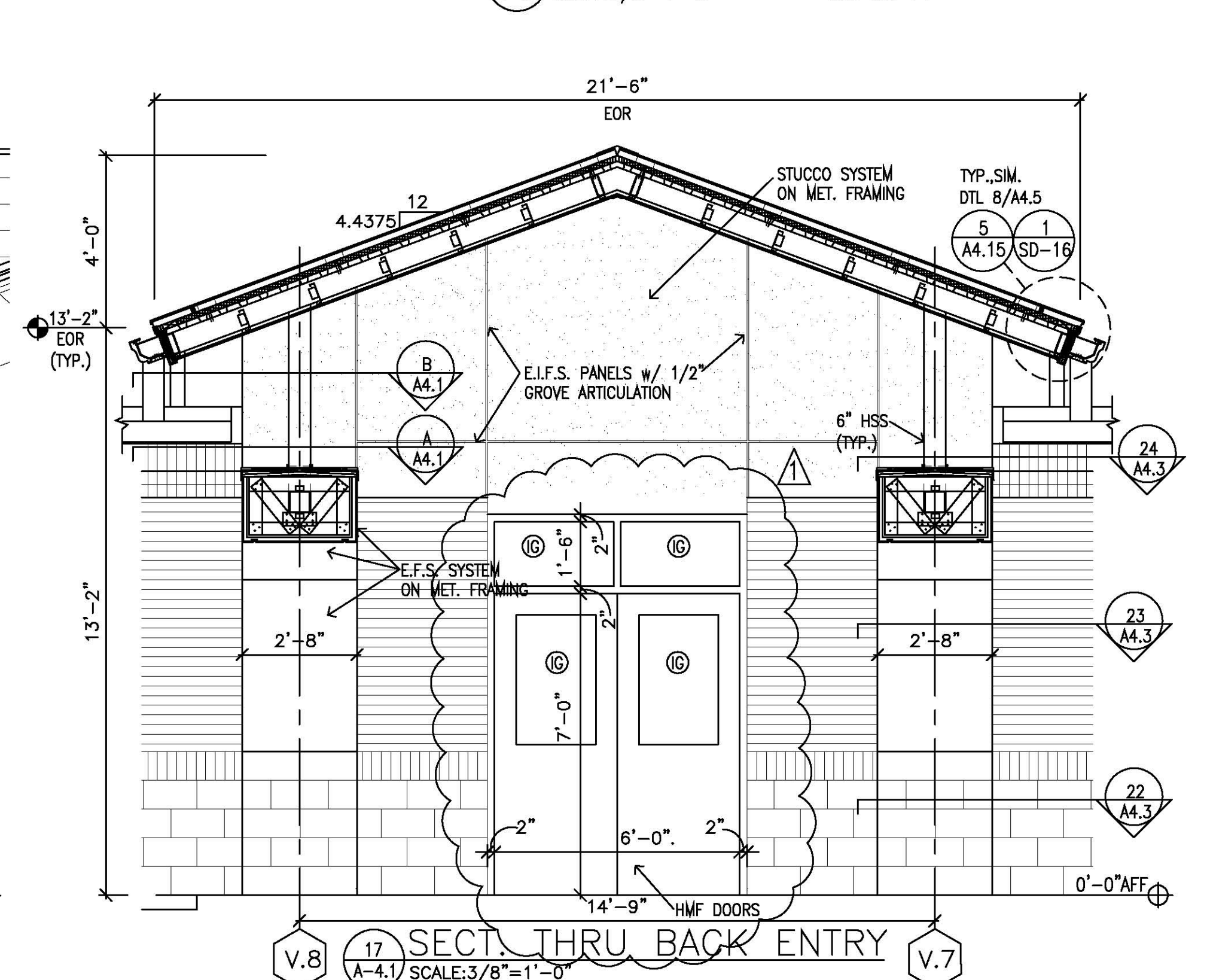
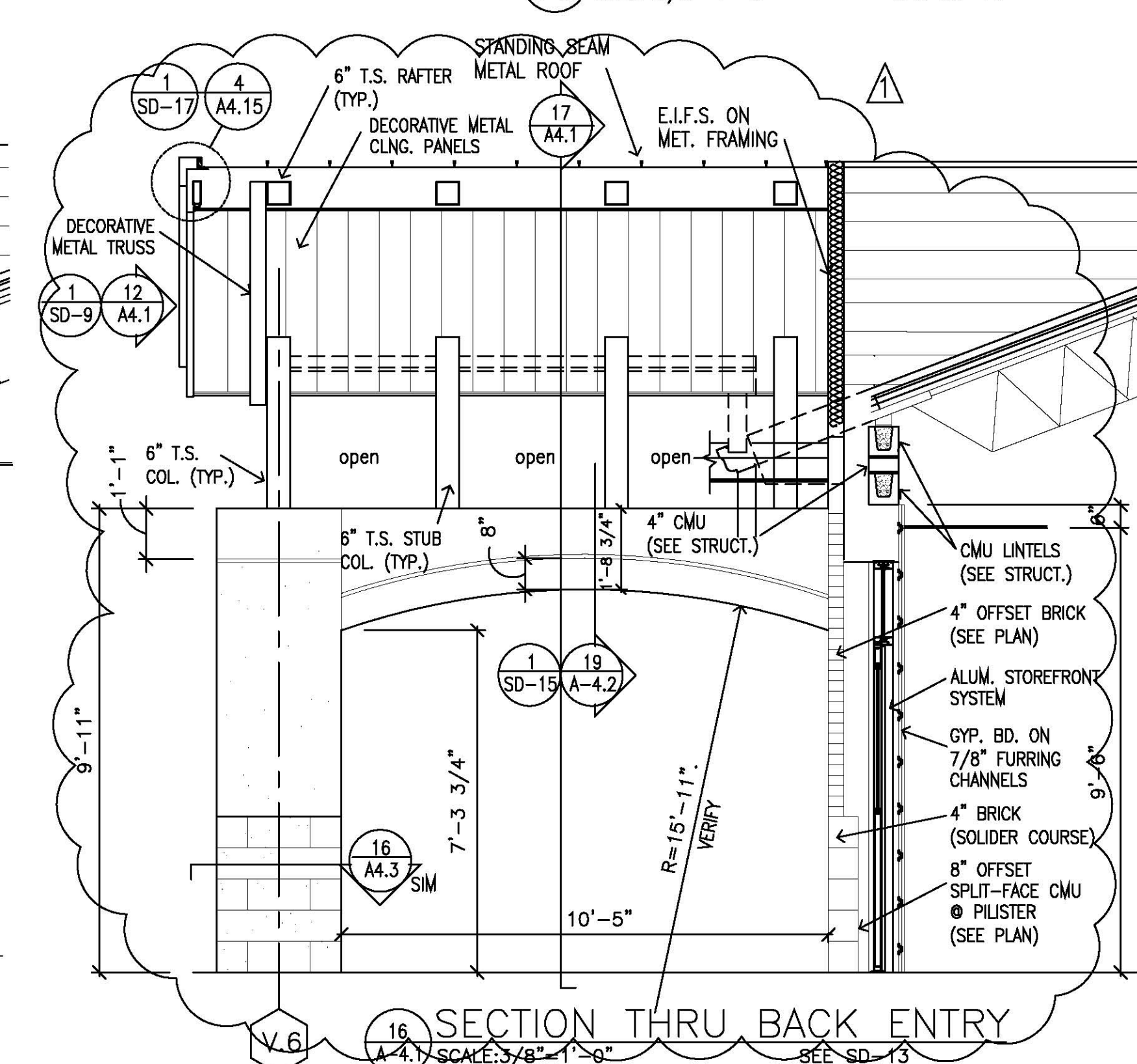
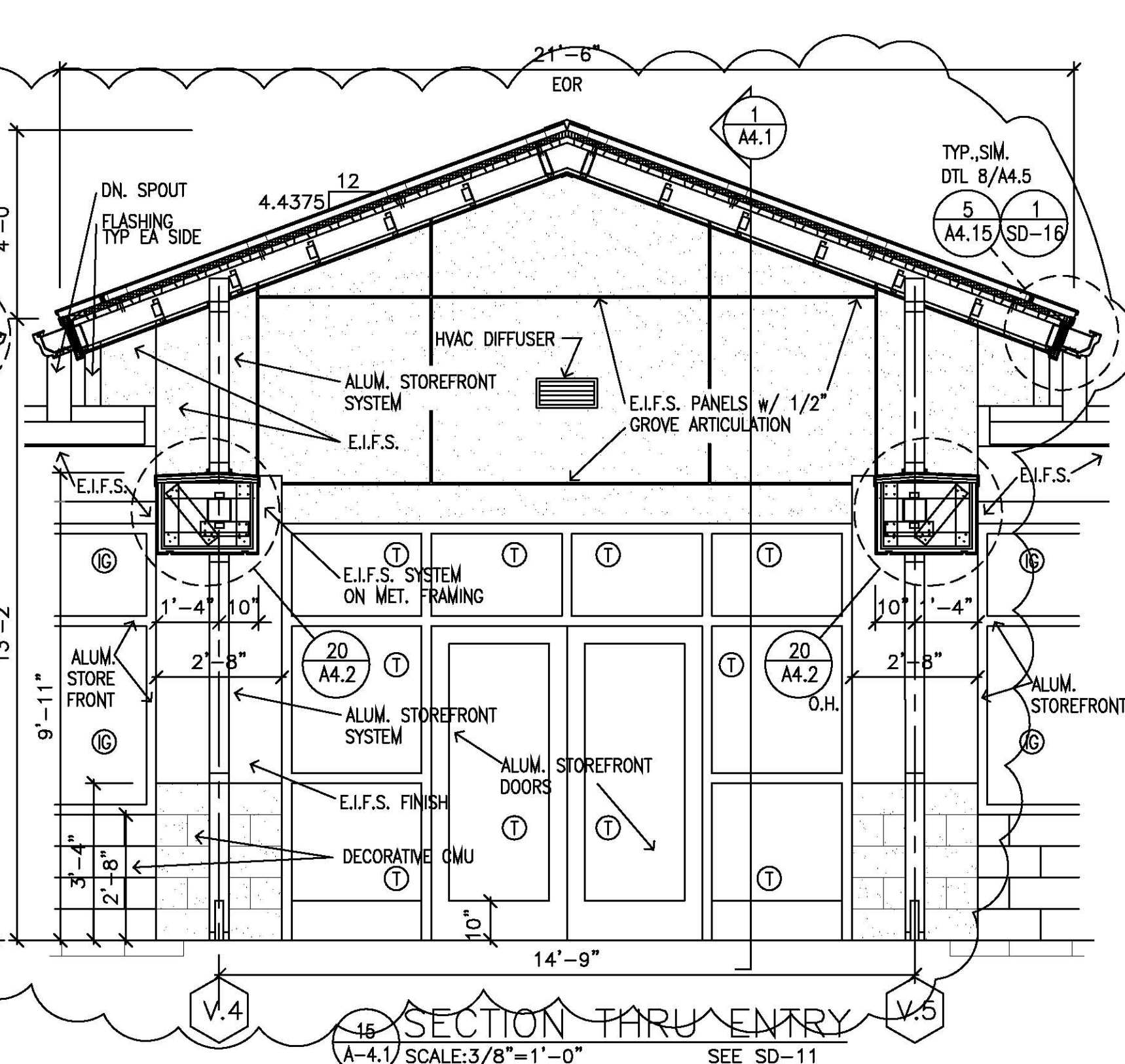
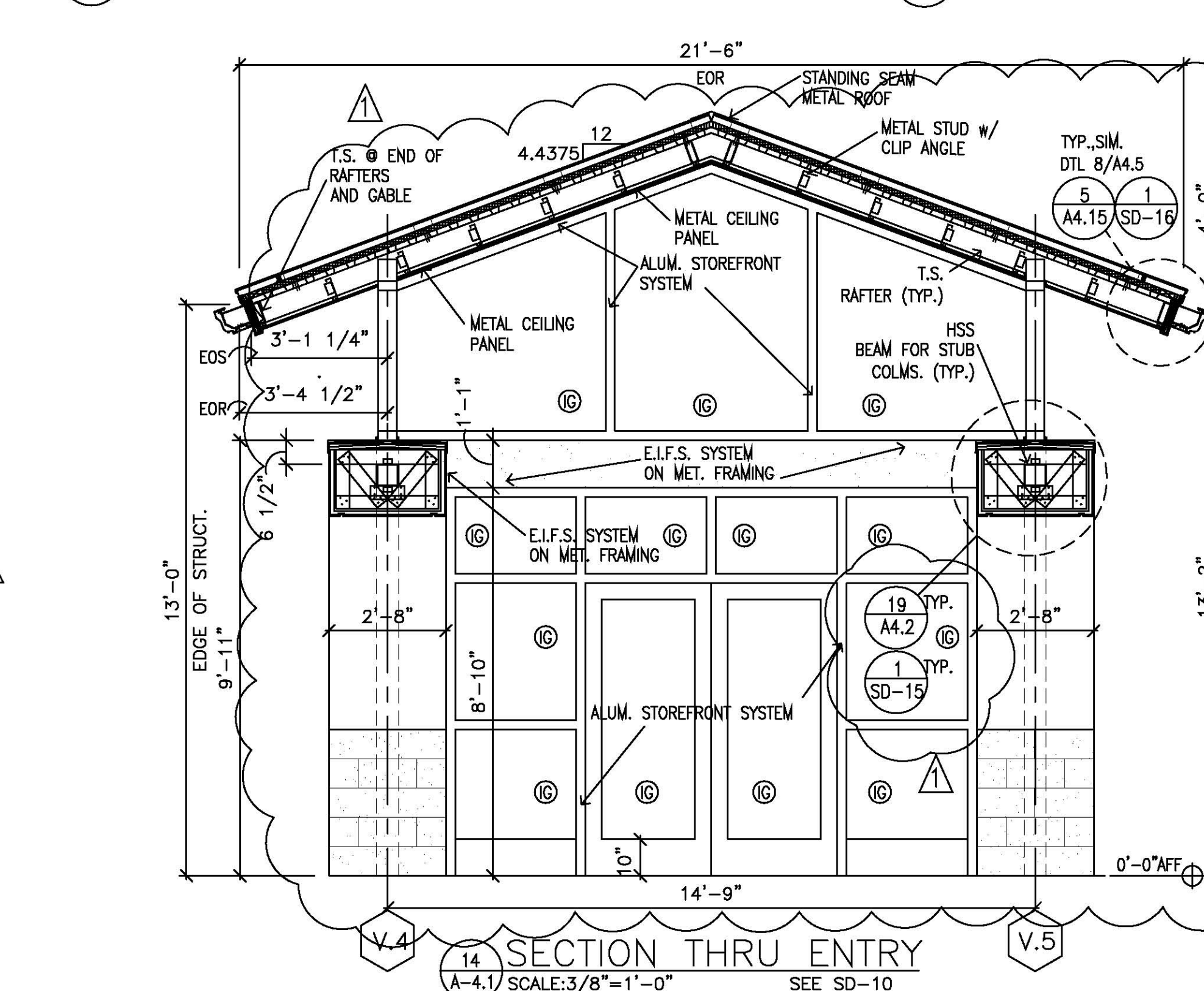
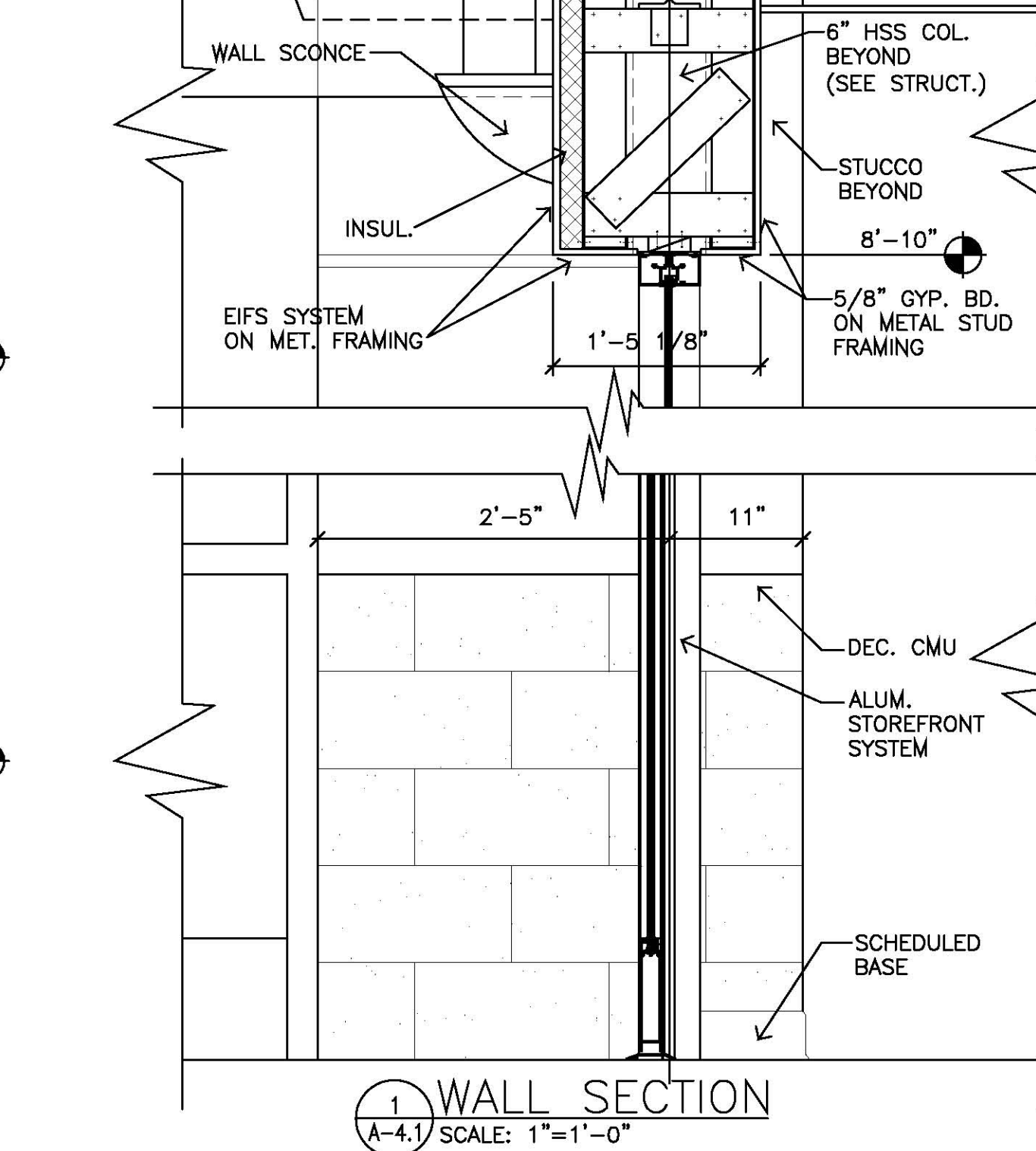
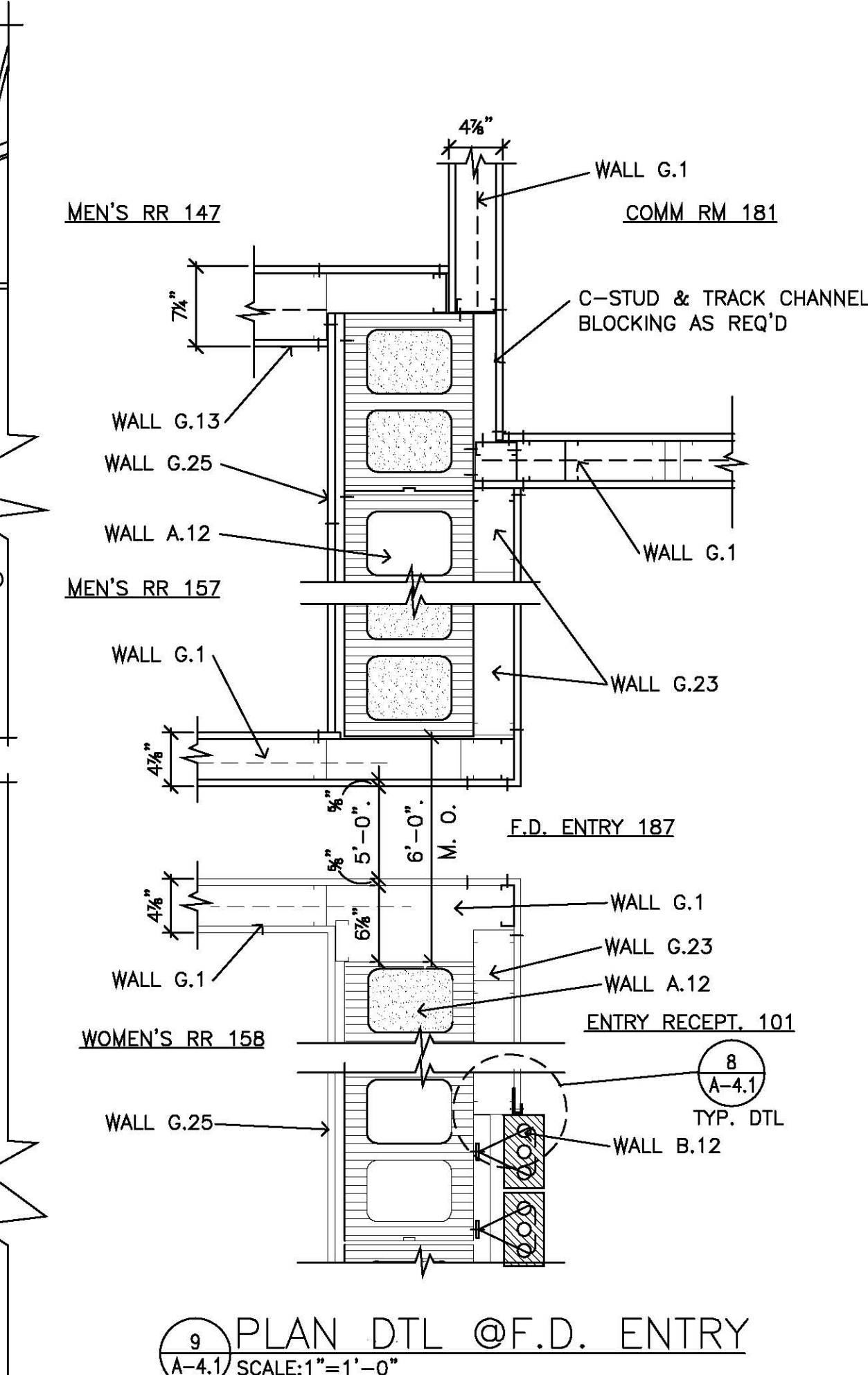


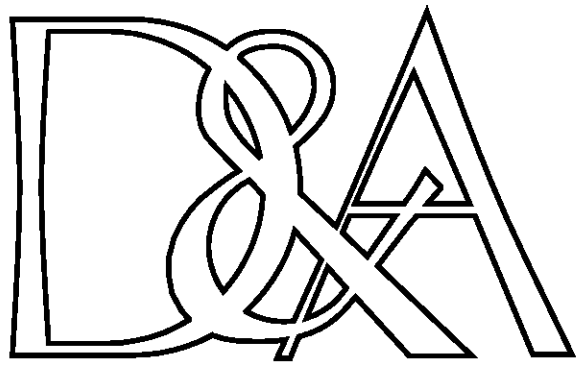
NOTE:
SEE DETAILS 9A-C
FOR CONTINUATION OF
WALL SECTION



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REVISIONS	NO.	DATE	ADDEN.	COORD.
	1	4/27/09		

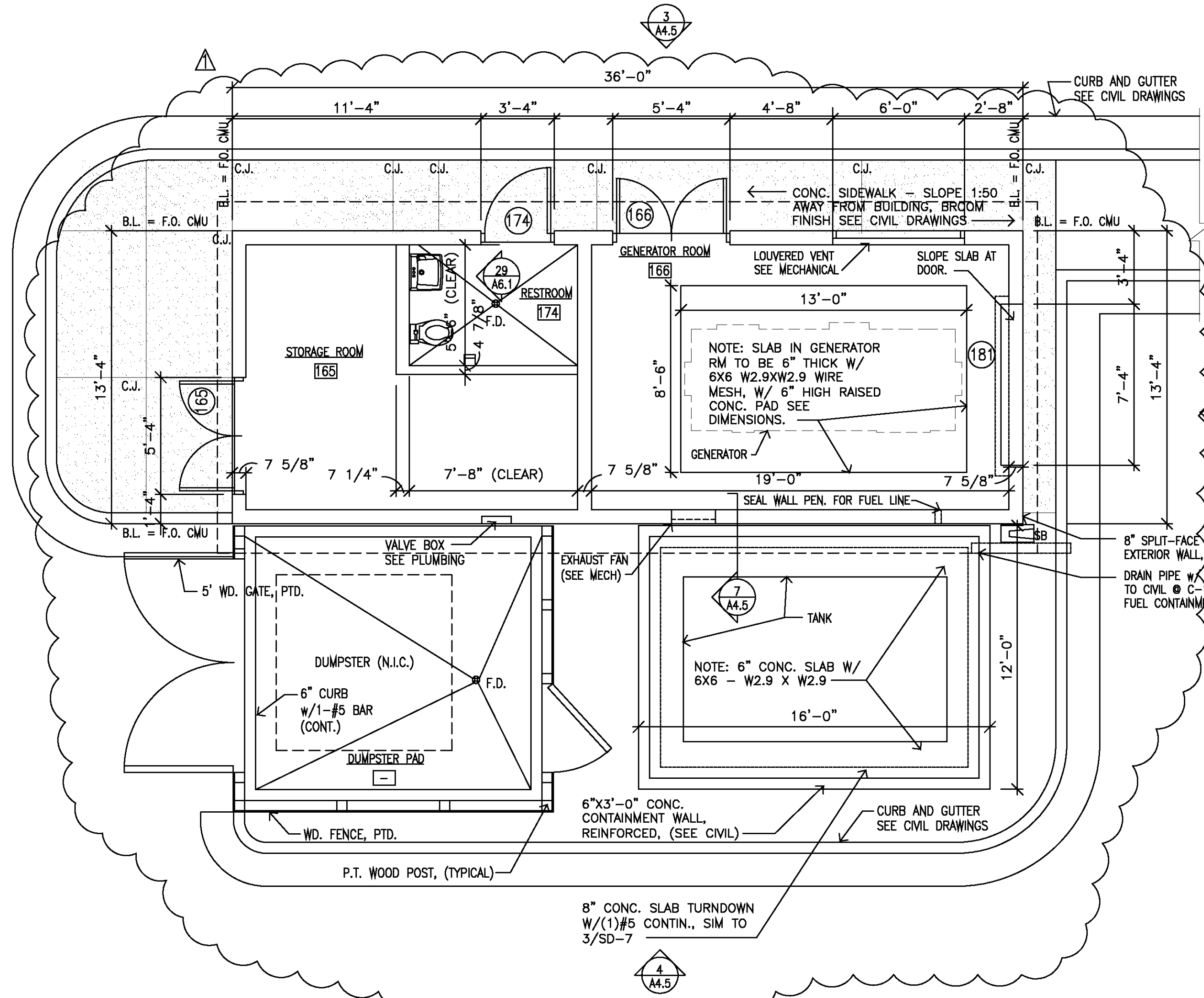
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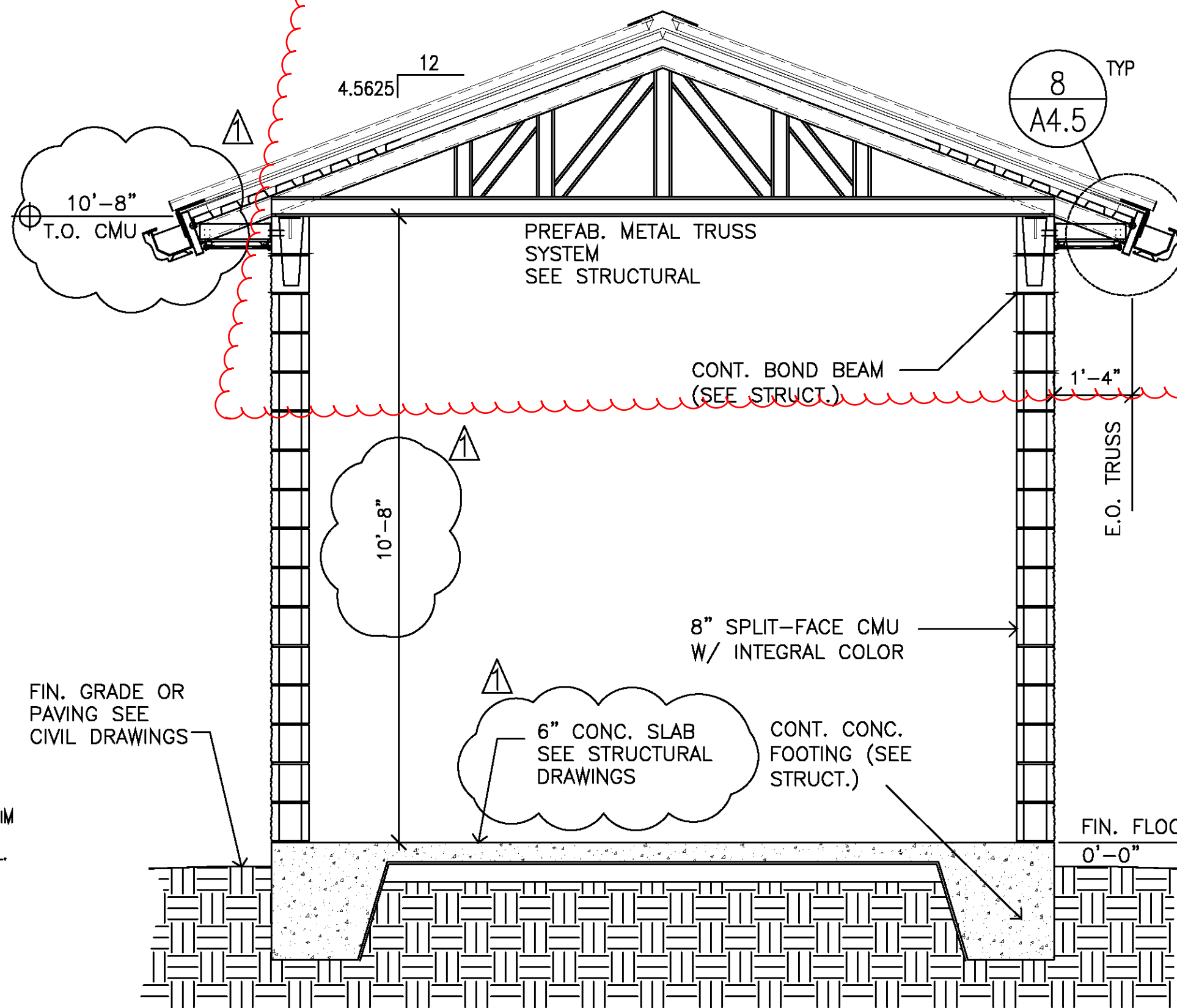
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PROJ. NO.: 2706
DATE: 12/22/2008
TITLE: STORAGE BUILDING DETAILS
SHEET: A-4.5

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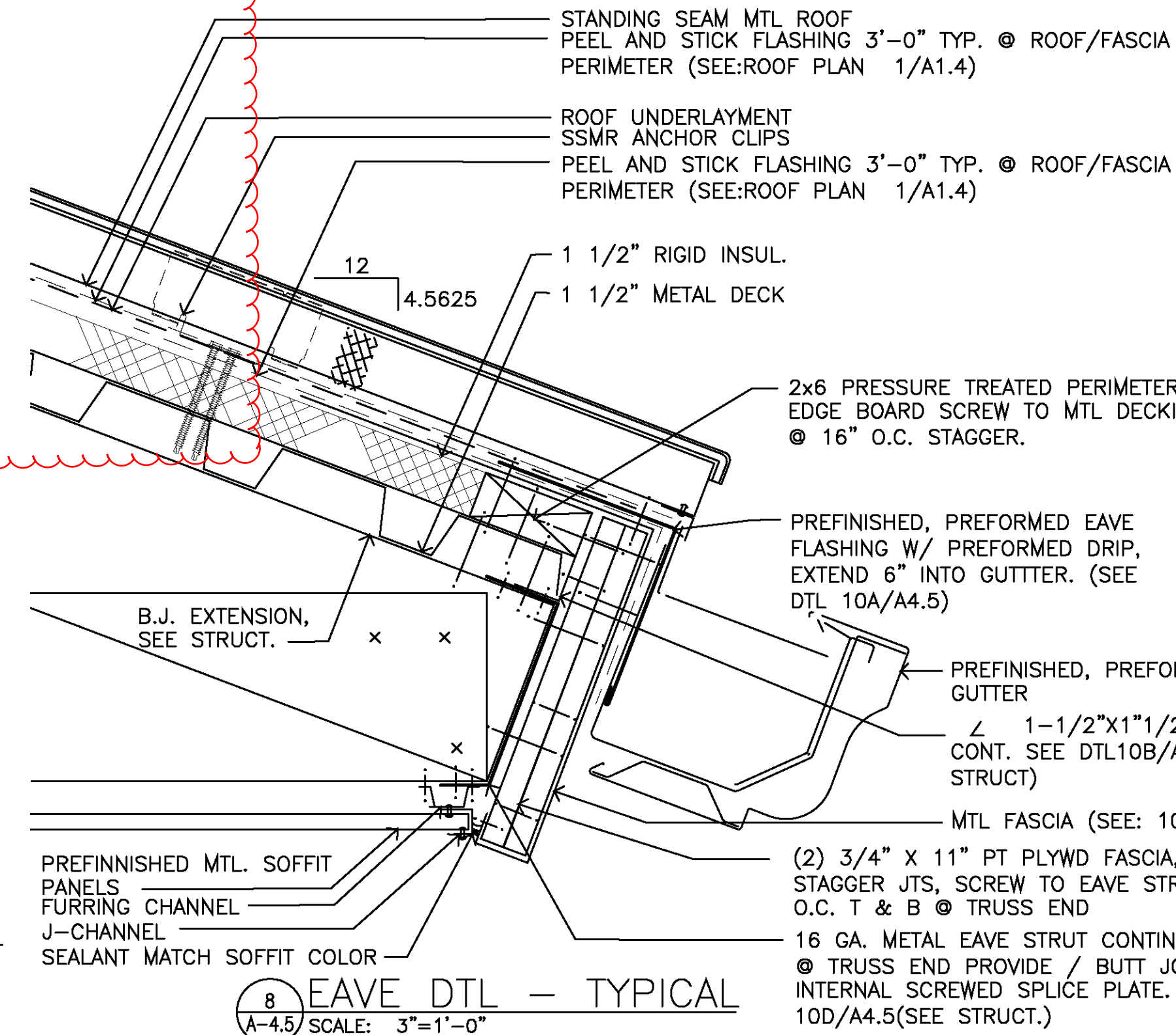


1 STORAGE/GENERATOR BLDG. FLOOR PLAN
A-4.5 SCALE: 1/4"=1'-0" SEE SD-18

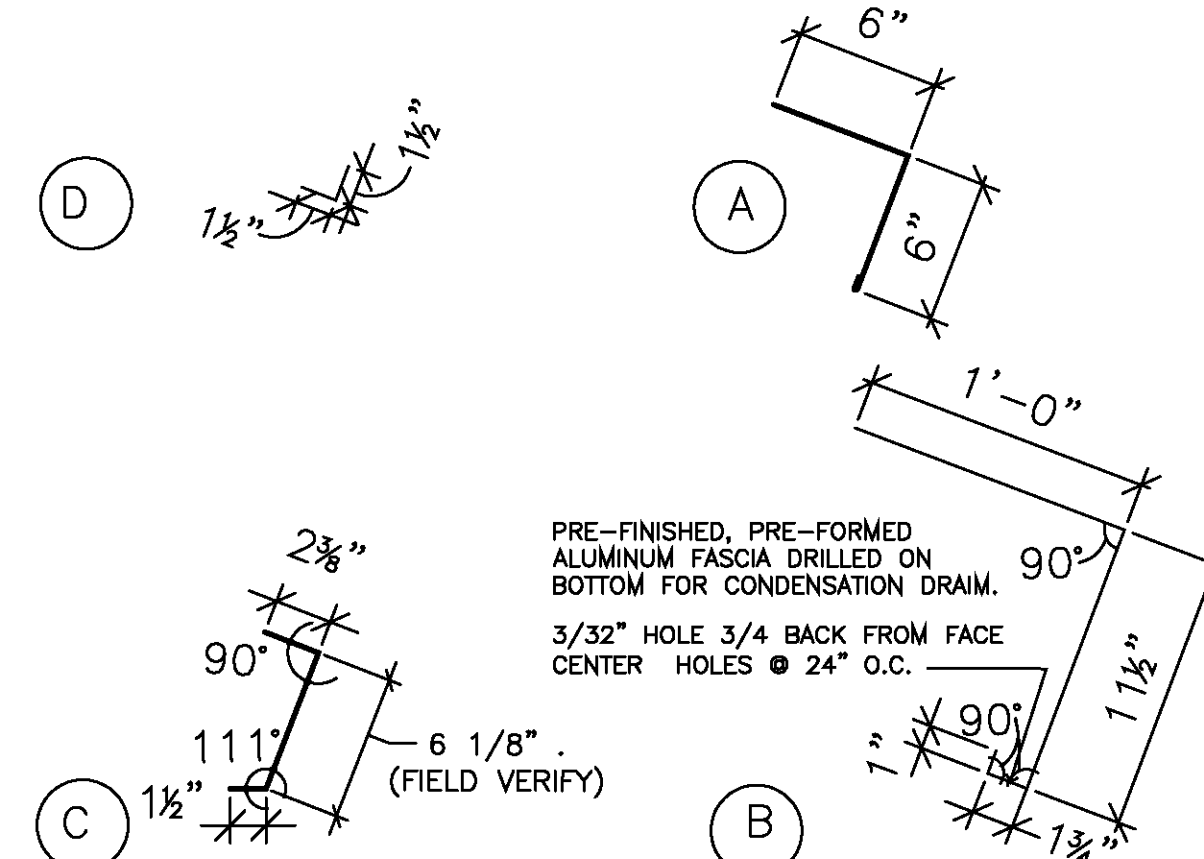


7 BUILDING SECTION
A-4.5 SCALE: 1/2"=1'-0" SEE SD-18

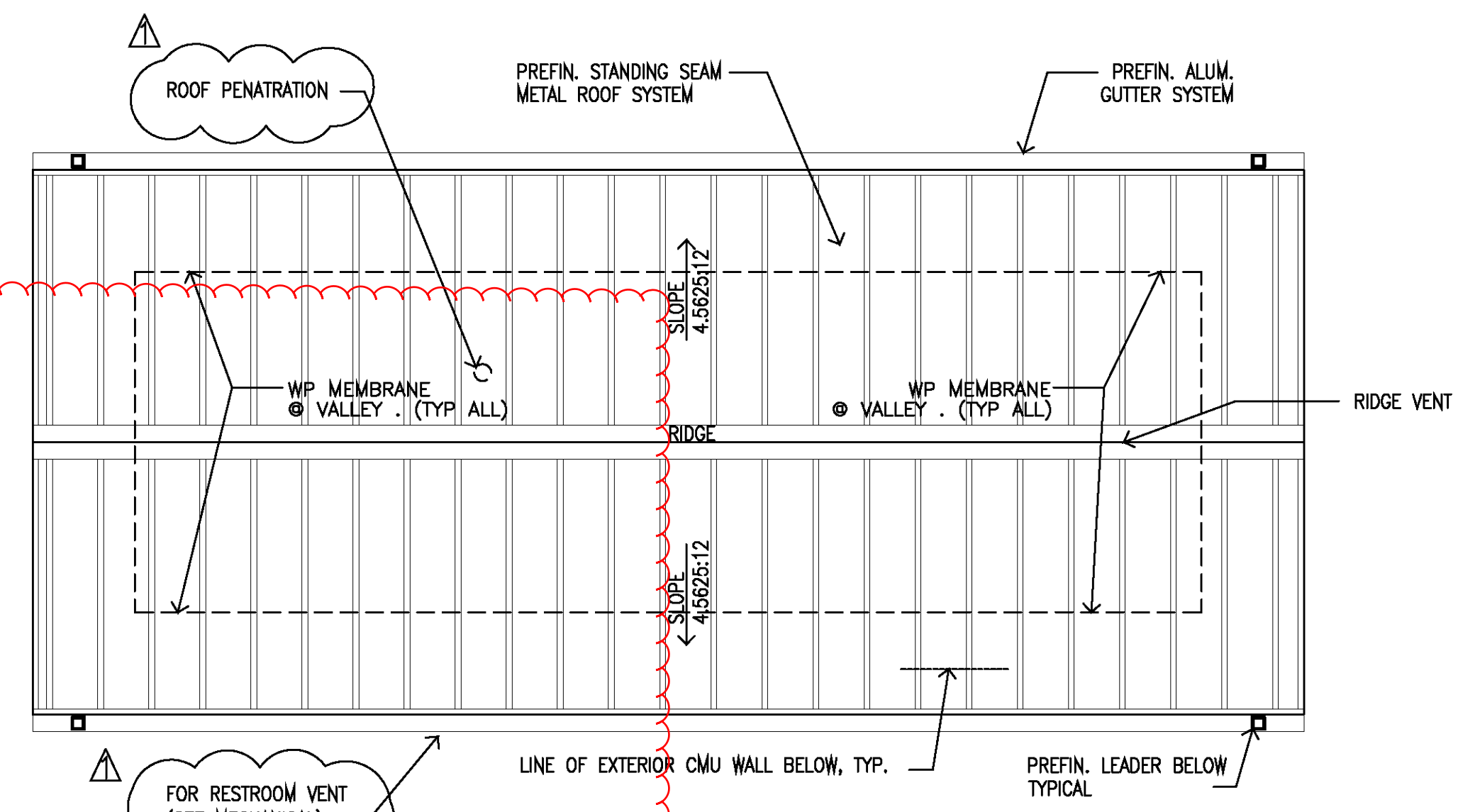
- GENERAL NOTES:
- SUPPLY ADHESIVE WP MEMBRANE @ ALL:
VALLEY'S, SEE NOTE 3 DTL 4/A-1.4
AND ROOF EDGES
AND GABLE ENDS



8 EAVE DTL - TYPICAL
A-4.5 SCALE: 3/4"=1'-0"



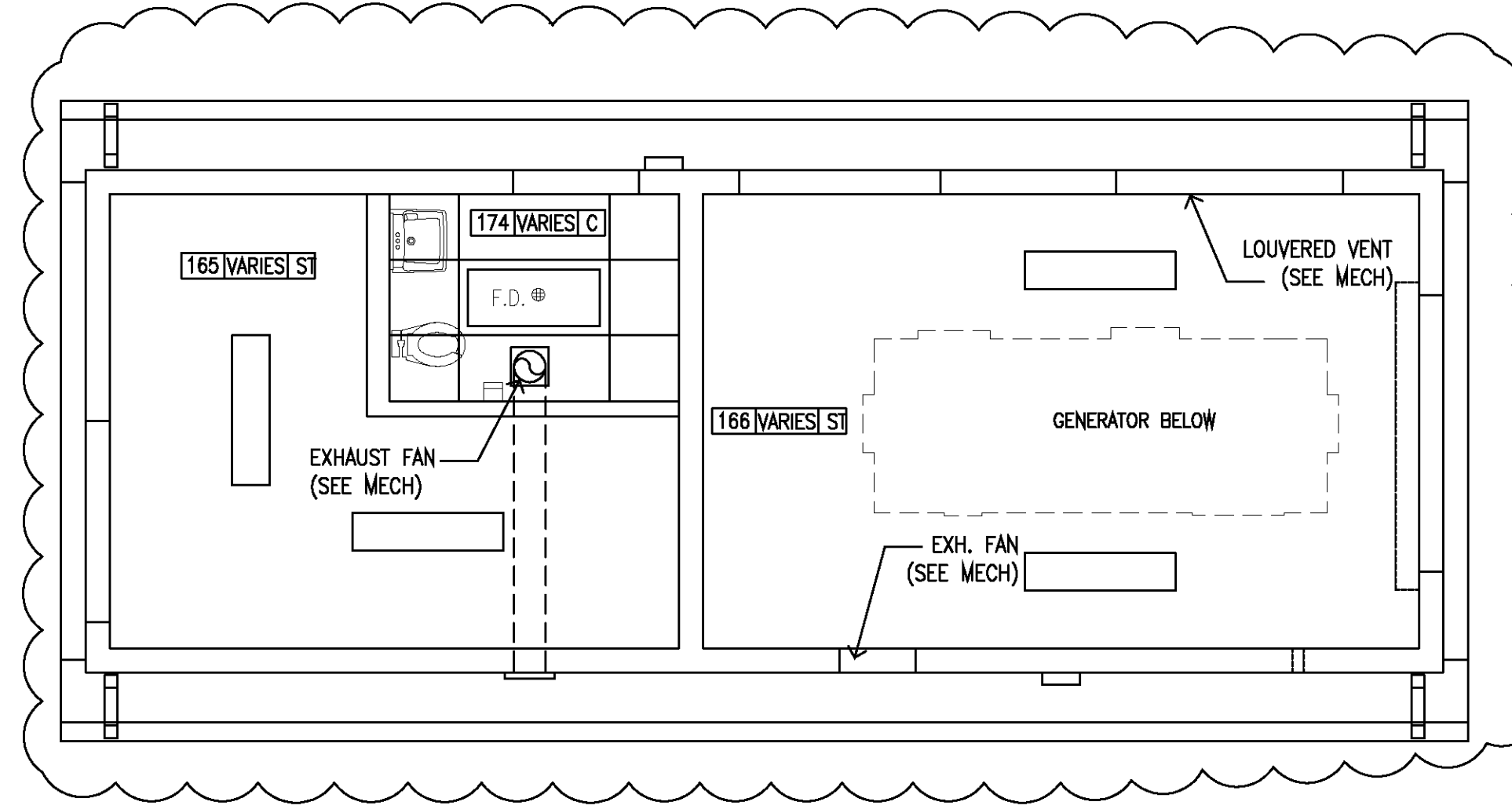
10 EAVE COMPONENTS
A-4.5 SCALE: 1 1/2"=1'-0"



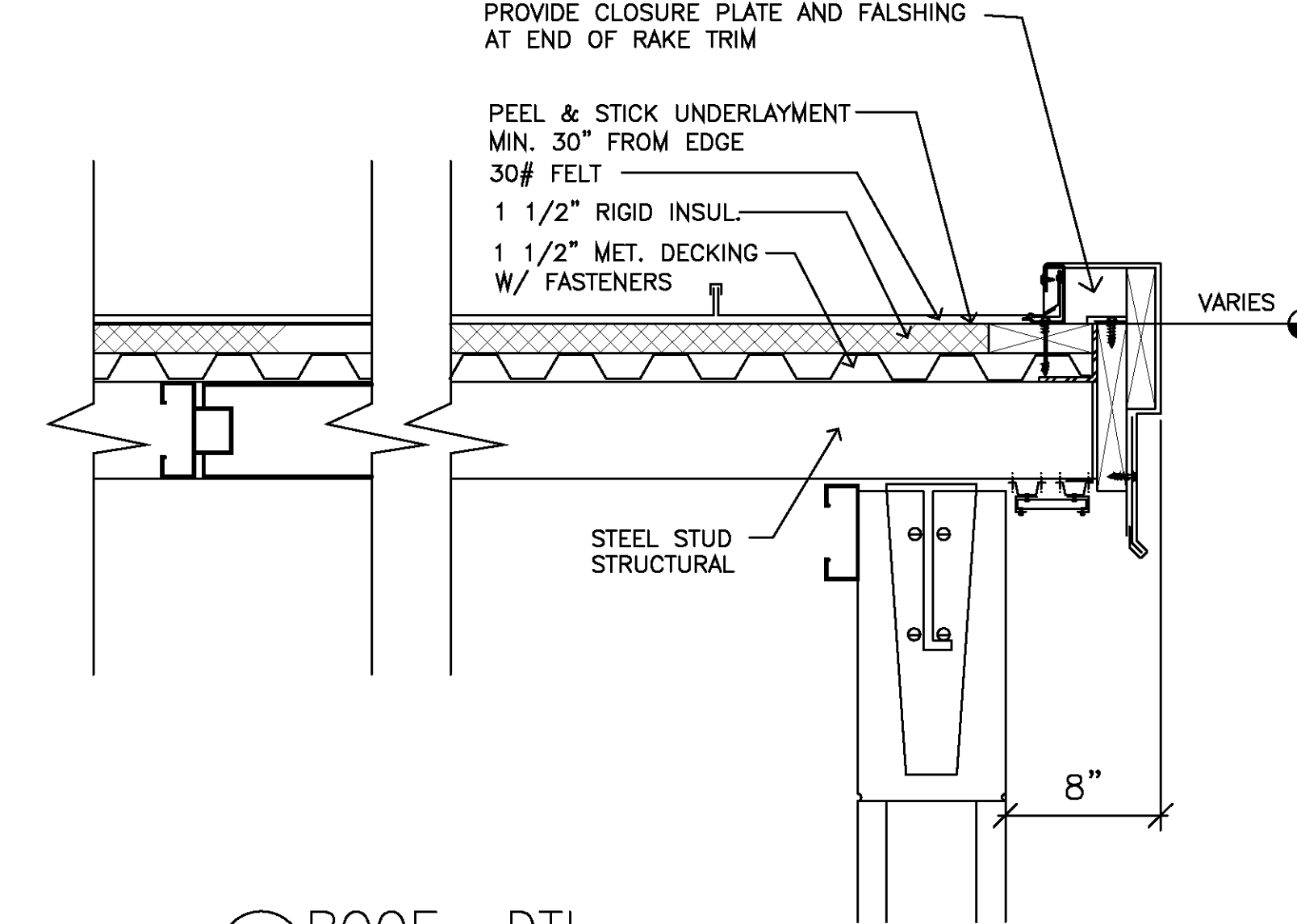
2 ROOF PLAN
A-4.5 SCALE: 1/4"=1'-0"

CEILING TYPE SCHEDULE	V121808
A ACT1 - 2"x4"	
B ACT2 - 2"x4" FIRE RATED	
C ACT3 - 2"x4" CLEAN ROOM	
F STUCCO, EIFS	
G GWB, PAINTED	
K ACT 6 - 2"x2" upgrade	
L ACT4 - UPGRADED 2x4	
M MET CEILING PANELS	
N MET SOFFIT PANELS	
S2 ACOUSTICAL BARRIER FILM	
V VINYL COATED GWB 2x2, w/GRID	
ST EXPOSED, STRUCT. PTD.	

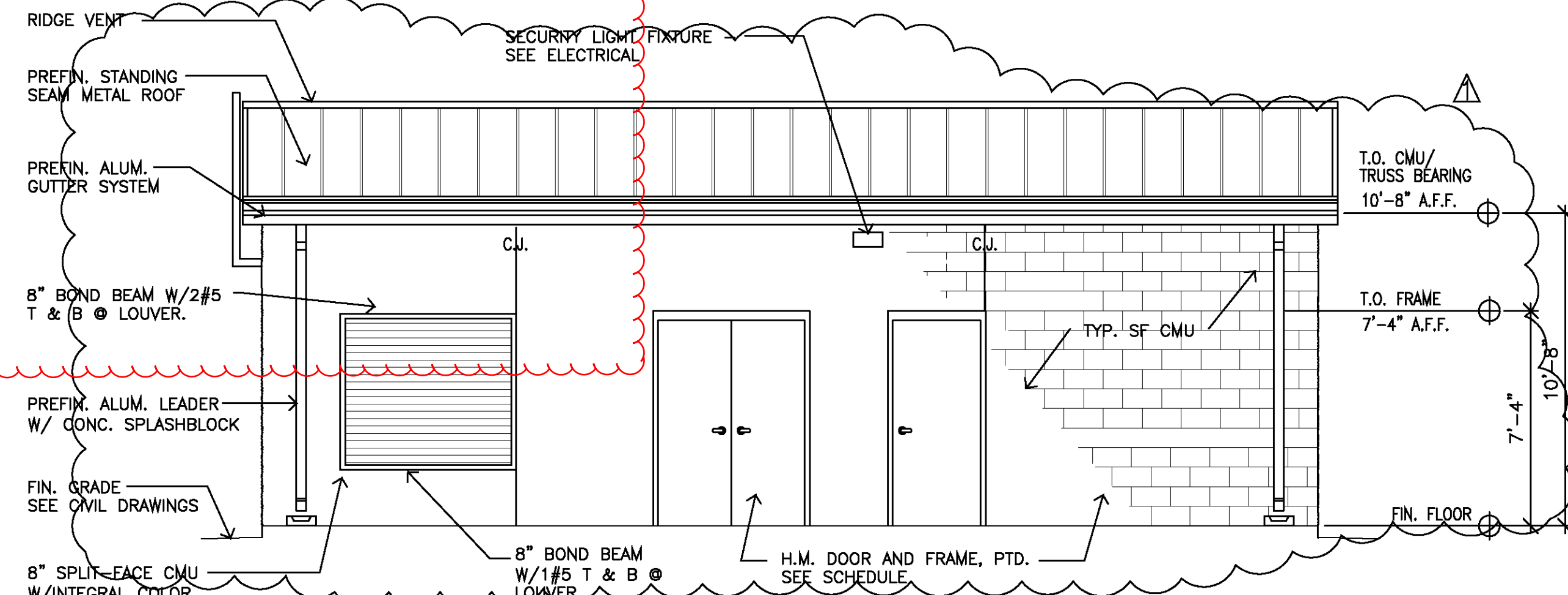
- NOTE:
- THIS RCP CONTAINS ONLY NOTATIONS
OF THE BASIC ROOM LIGHTING FOR
THE PURPOSE OF COORDINATION OF
THE SPACES AND MATERIALS. REFER
TO THE MEP DRAWINGS FOR EXIT
LIGHTS, EMERGENCY LIGHTS,
SPRINKLERS, DIFFUSERS AND ALL
OTHER WORK ASSOCIATED WITH THE
CEILING PLANE.



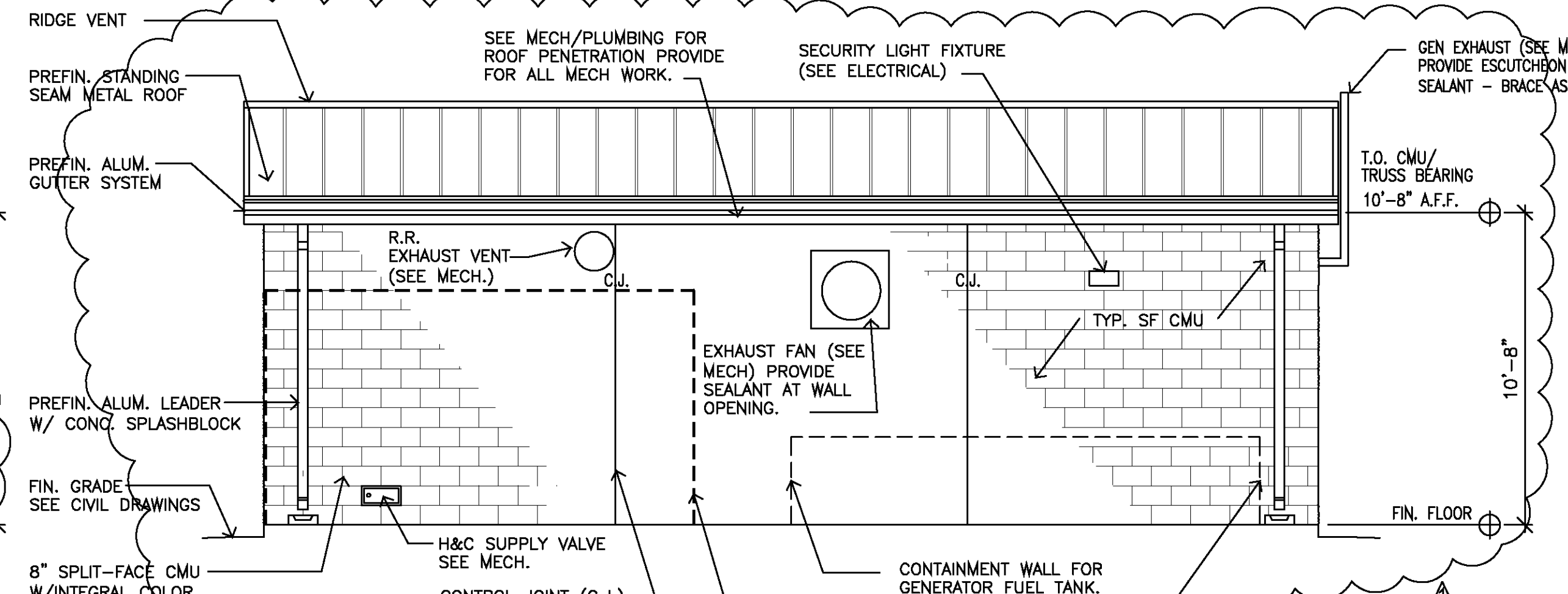
6 STORAGE/GENERATOR BLDG. RCP
A-4.5 SCALE: 1/4"=1'-0"



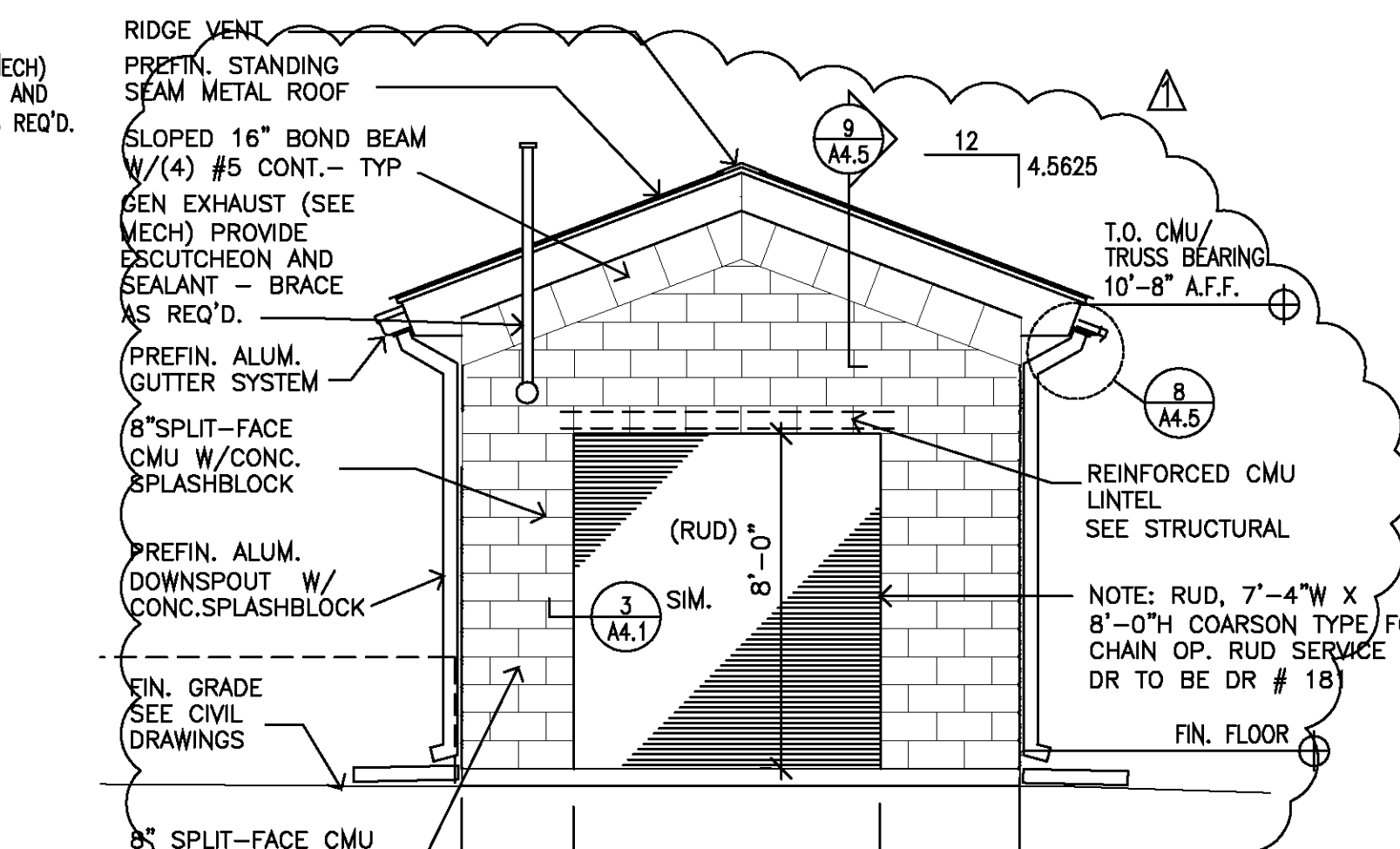
9 ROOF DTL
A-4.5 SCALE: 1 1/2"=1'-0"



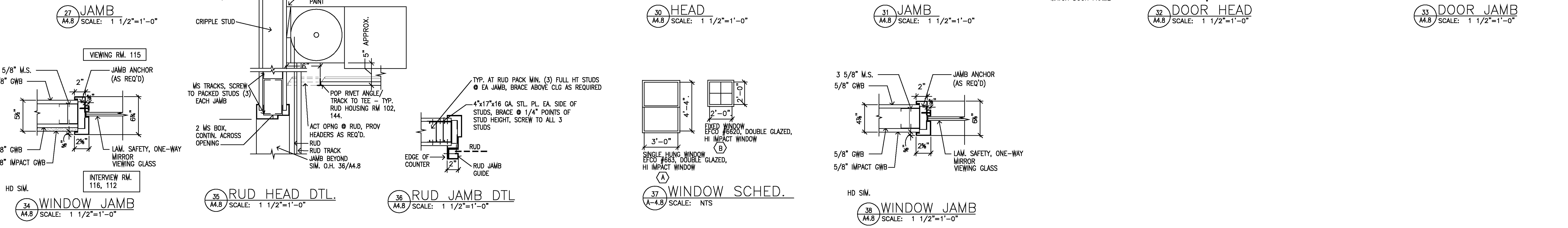
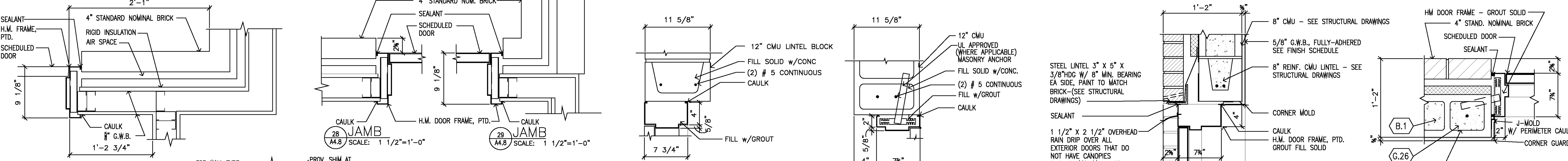
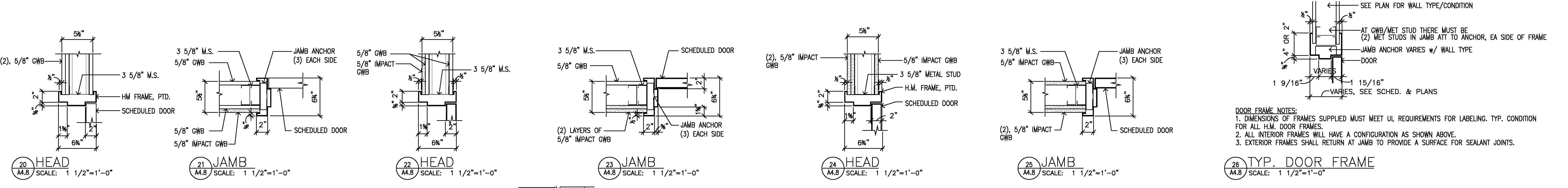
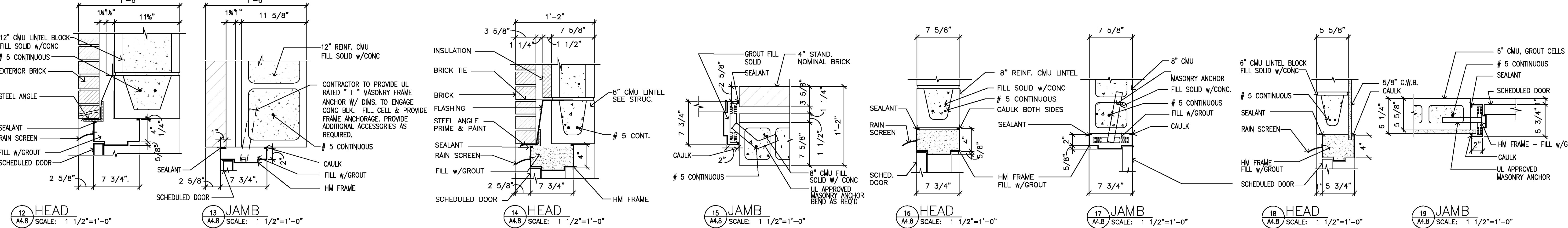
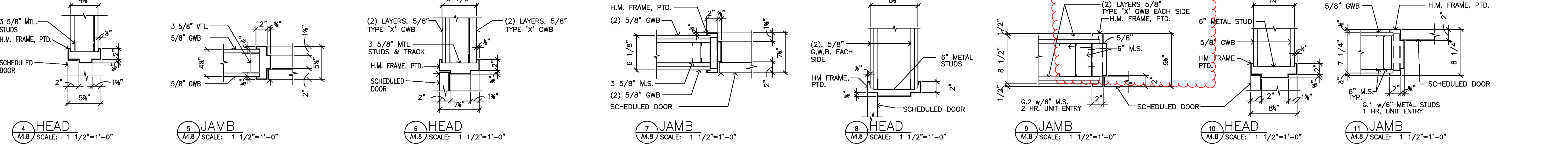
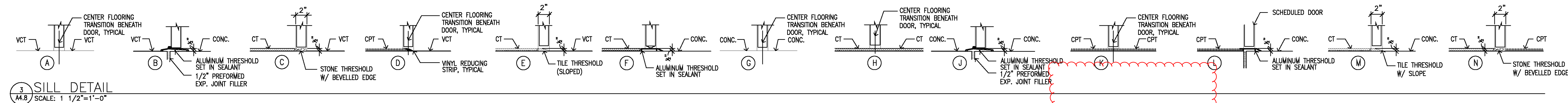
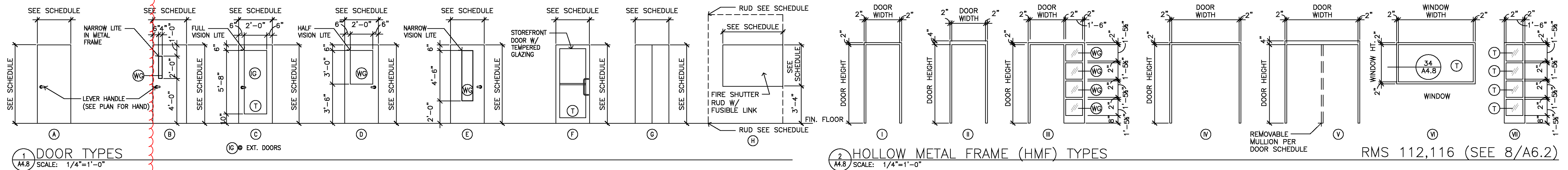
3 NORTH ELEVATION
A-4.5 SCALE: 1/4"=1'-0" SEE SD-19



4 SOUTH ELEVATION
A-4.5 SCALE: 1/4"=1'-0" SEE SD-19



5 EAST ELEVATION (WEST SIMILAR)
A-4.5 SCALE: 1/4"=1'-0" SEE SD-19



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REVISIONS	NO.	DATE

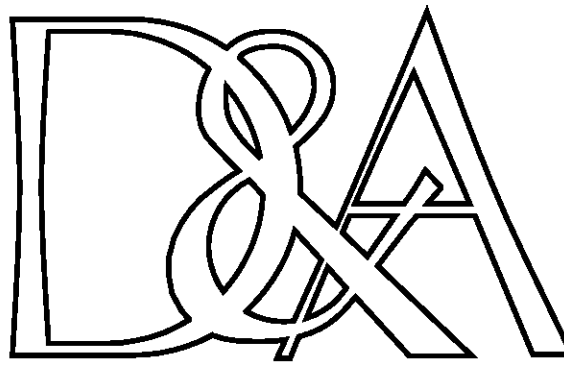
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PROJ. NO.: 2706
DATE: .12/22/2008
TITLE: DOOR DETAILS
SHEET: A-4.8

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REVISIONS	NO.	DATE	
	1	3/23/09	COORD. SD-26
	2	4/27/09	ADDEN. COORD.

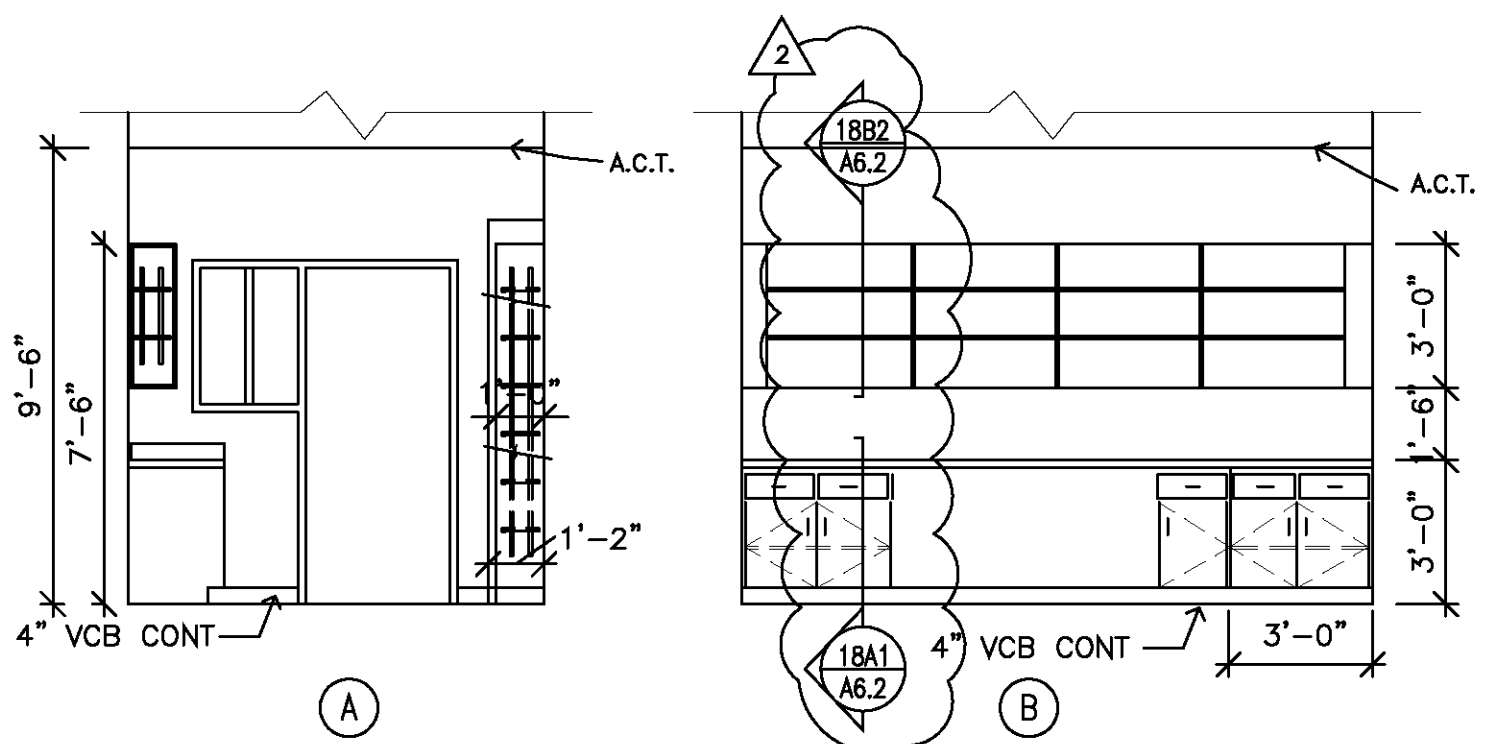
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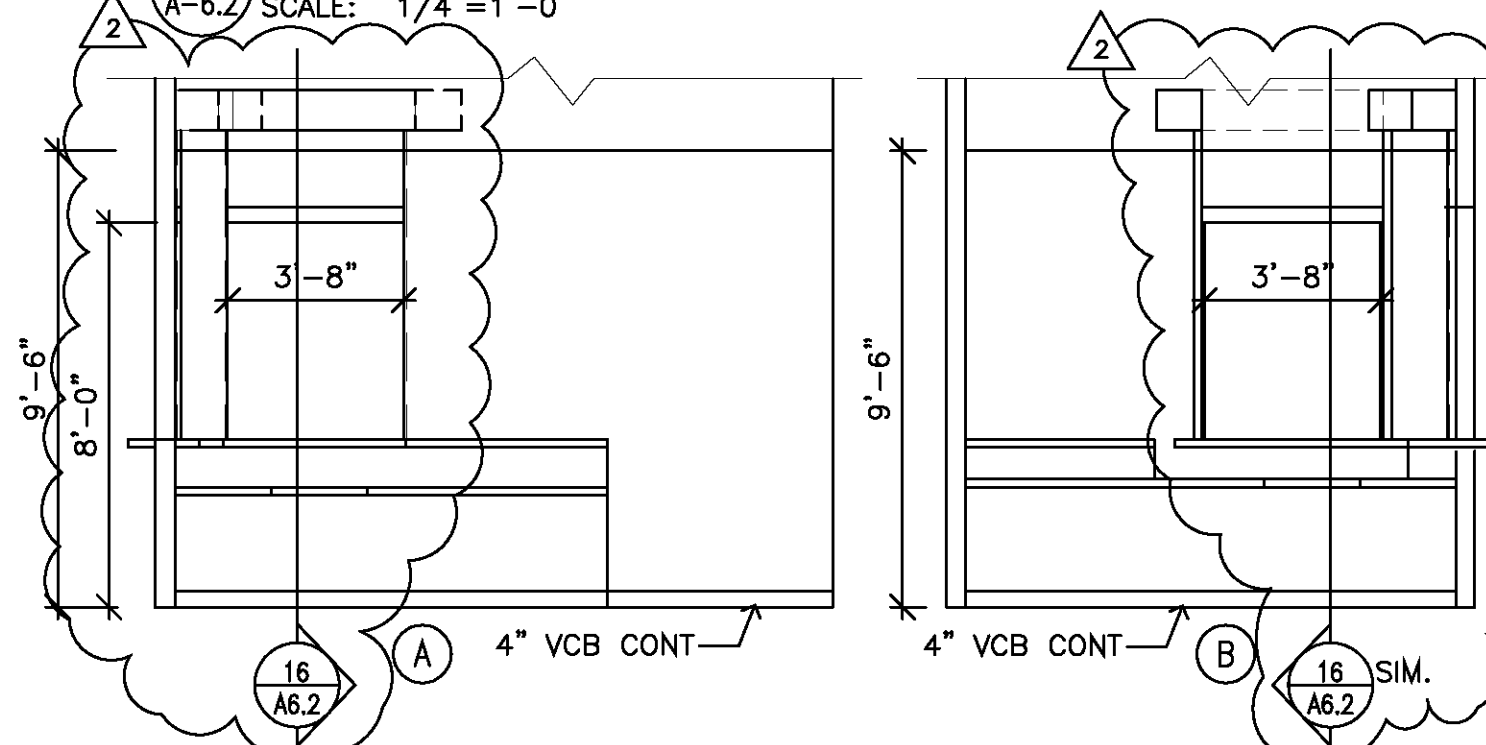
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PROJ. NO.: 2706
DATE: 12/22/2008
TITLE: INTERIOR ELEVATIONS
SHEET: A-6.2

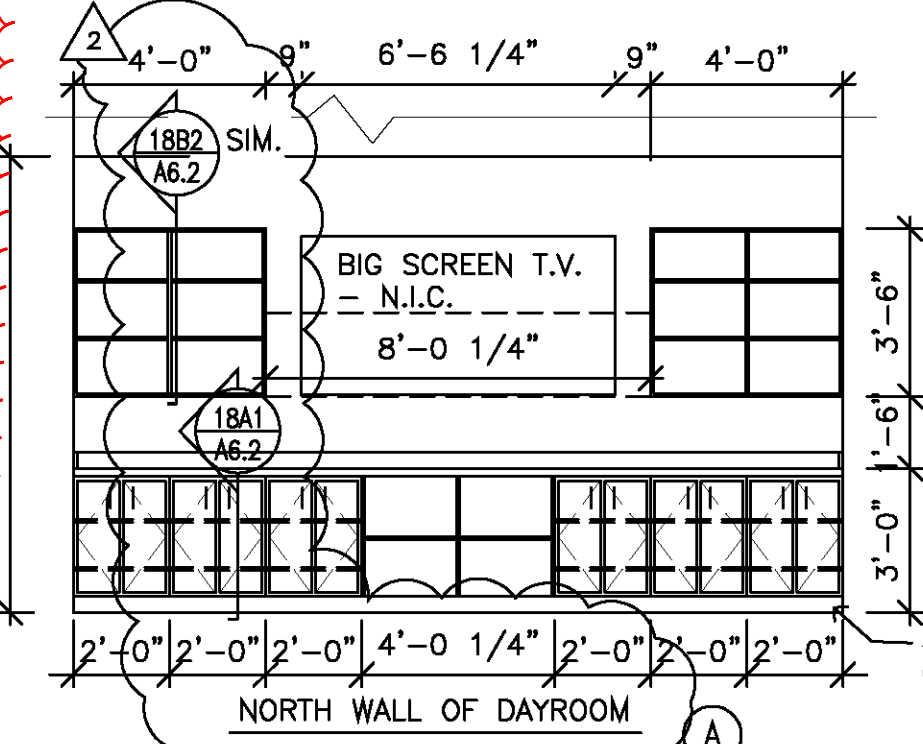
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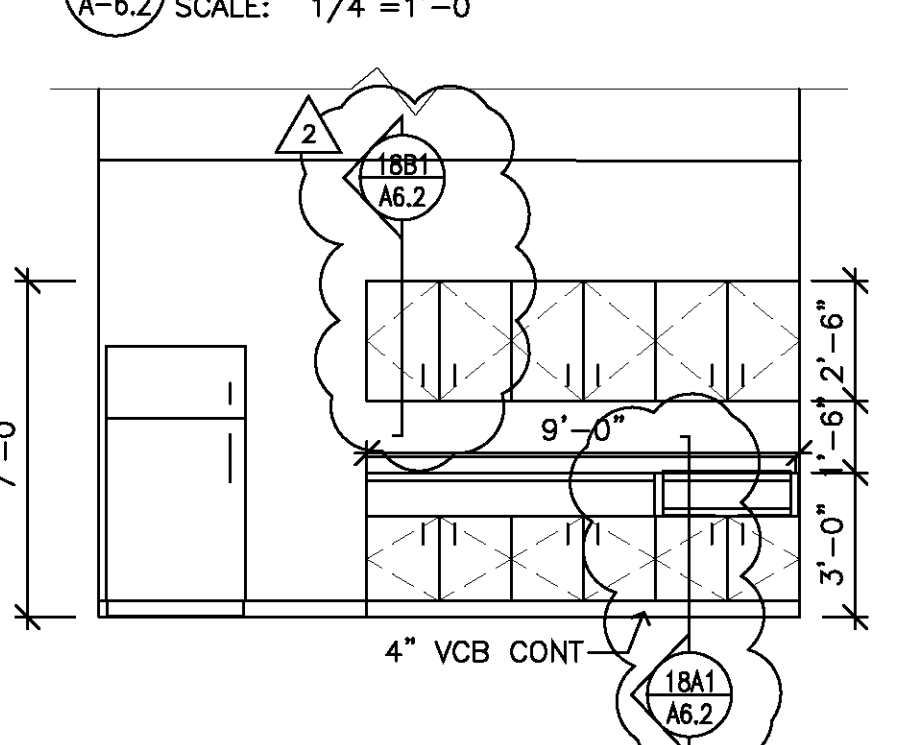
1 RADIO/WATCH RM. 159
A-6.2 SCALE: 1/4"=1'-0"



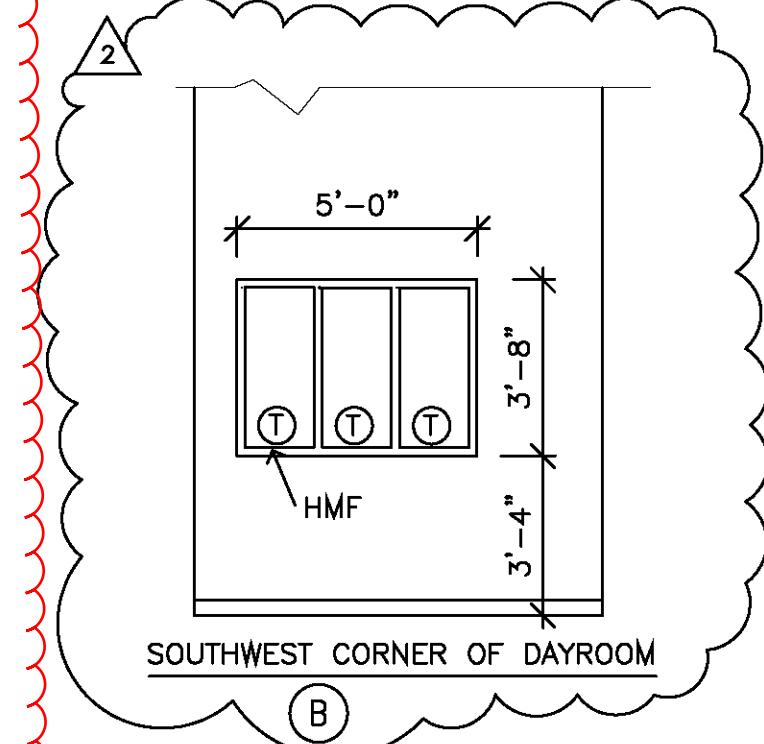
4 RECEPT. CONTROL / DESK 102
A-6.2 SCALE: 1/4"=1'-0"



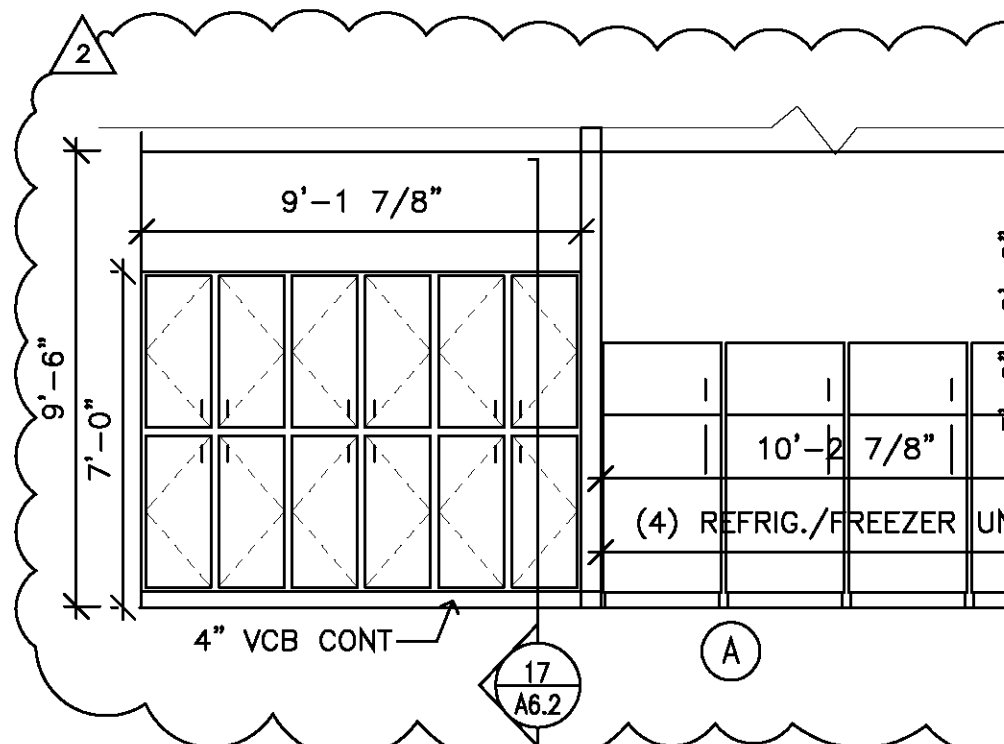
2 DAYROOM 155
A-6.2 SCALE: 1/4"=1'-0"



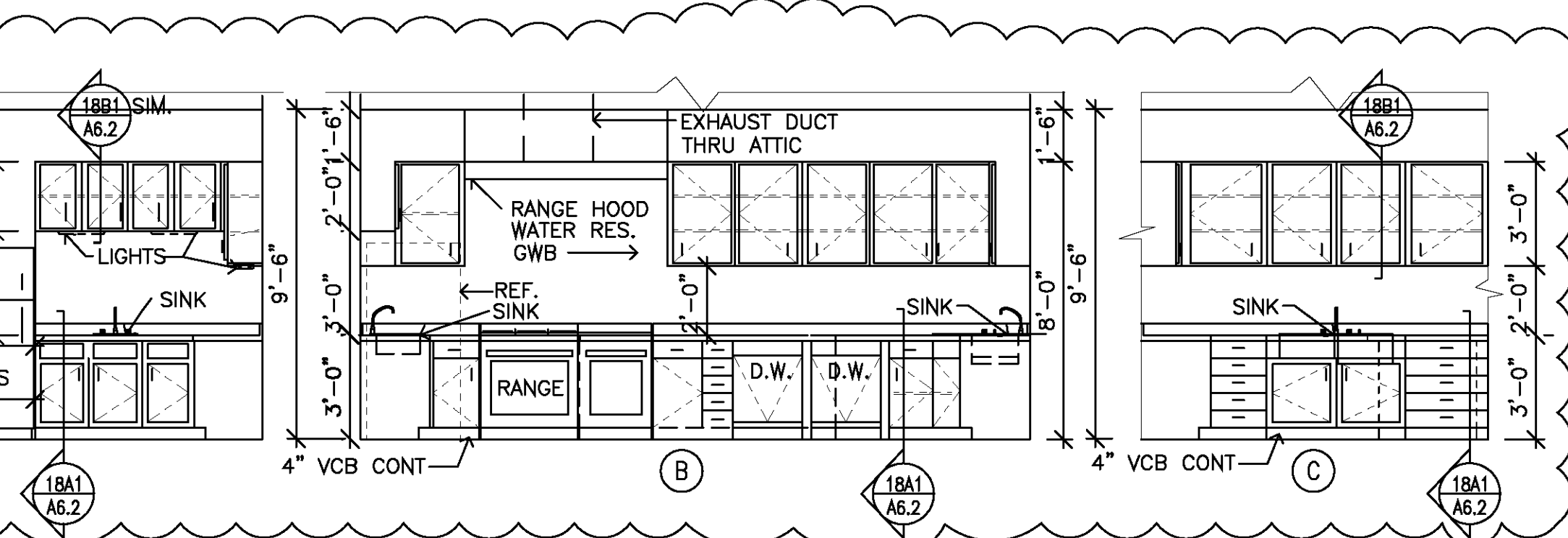
5 BREAK ROOM 143
A-6.2 SCALE: 1/4"=1'-0"



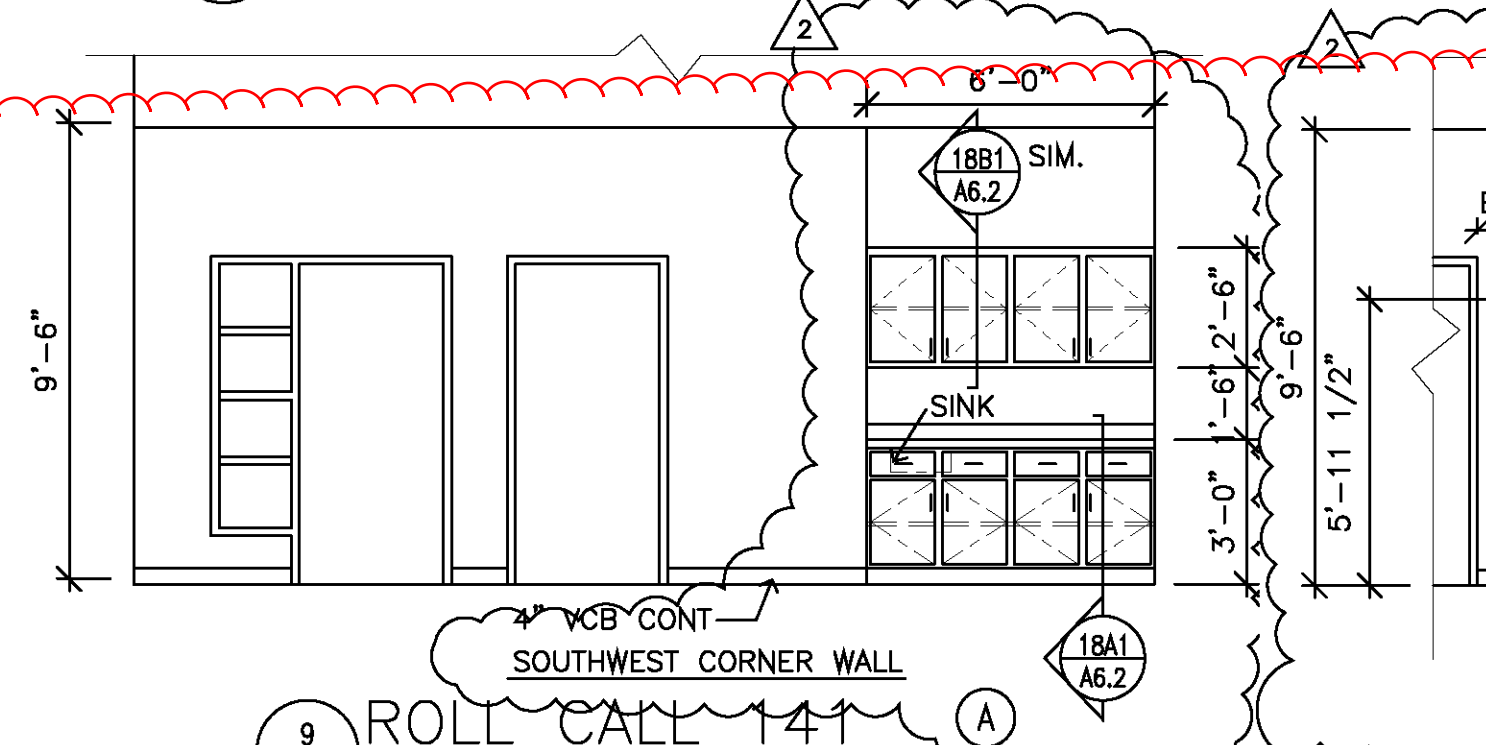
6 IN CAR DATA 139
A-6.2 SCALE: 1/4"=1'-0"



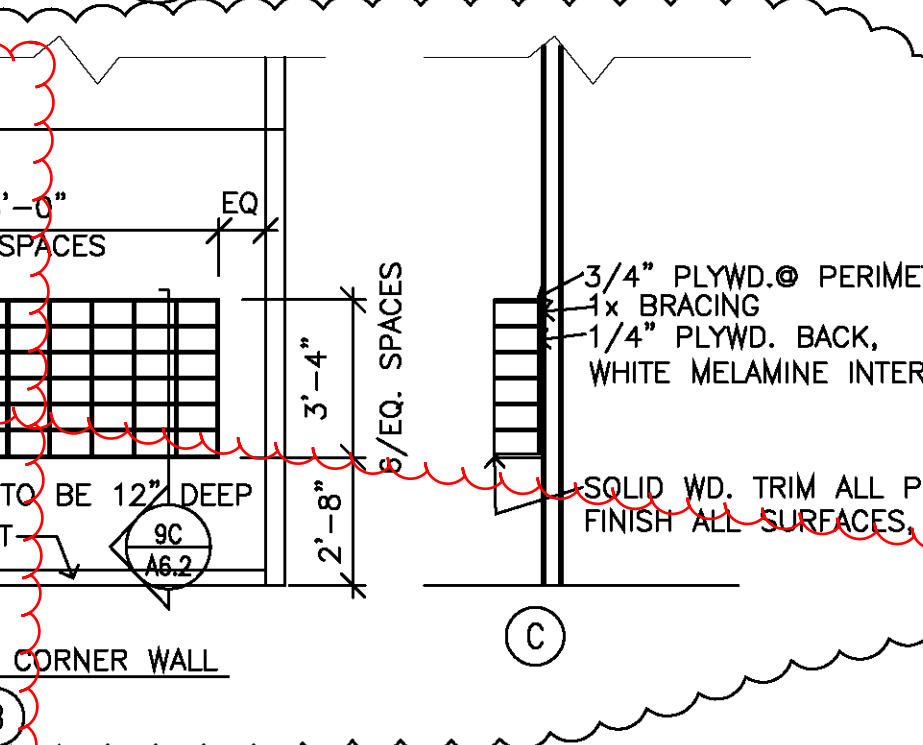
3 KITCHEN 151
A-6.2 SCALE: 1/4"=1'-0"



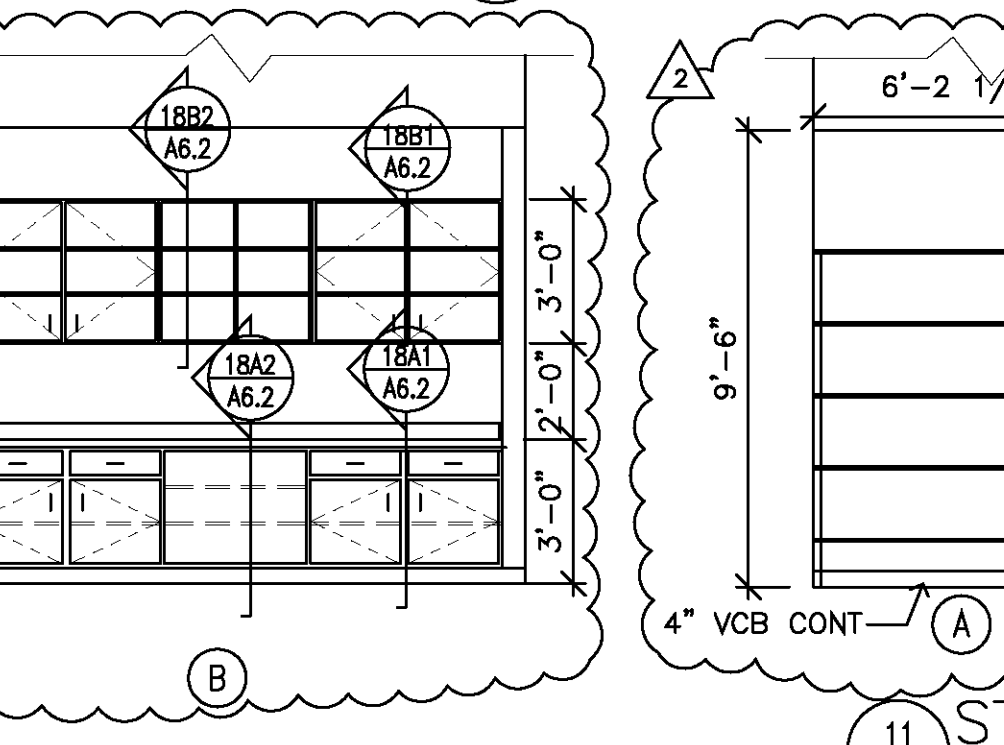
8 VIEWING
A-6.2 SCALE: 1/4"=1'-0"



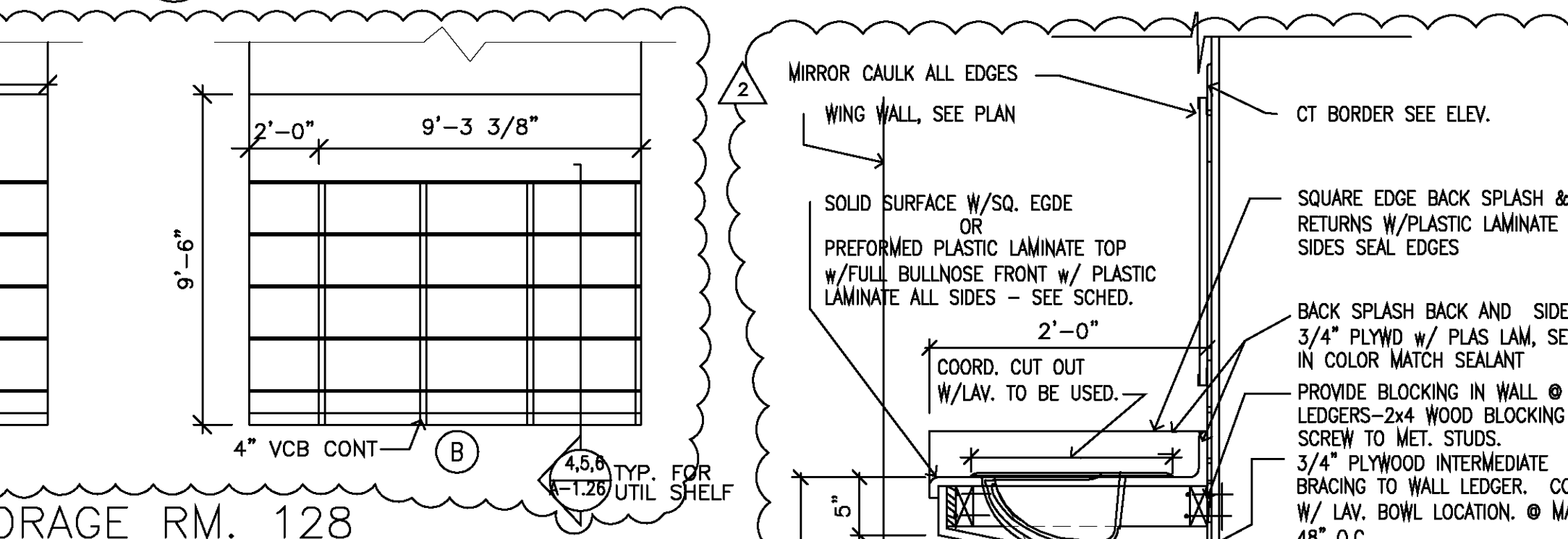
9 ROLL CALL 141
A-6.2 SCALE: 1/4"=1'-0"



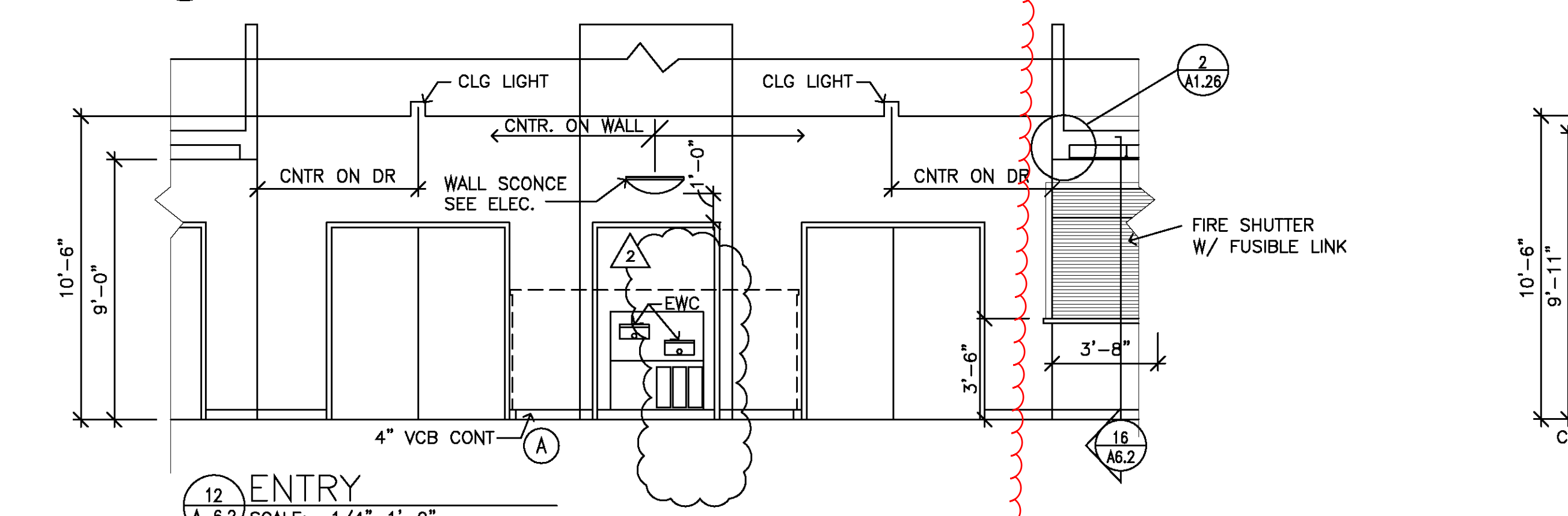
10 WORK RM. 130
A-6.2 SCALE: 1/4"=1'-0"



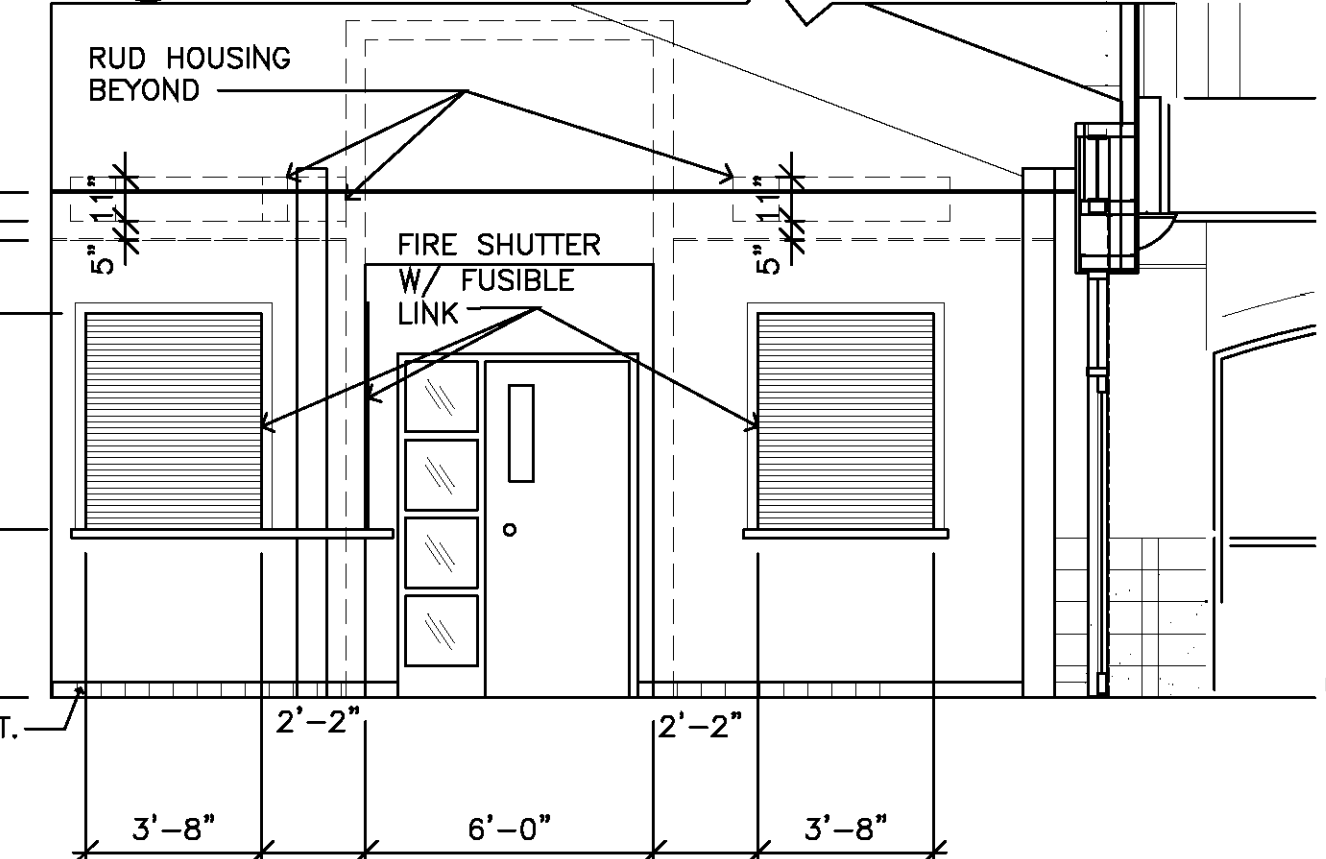
11 STORAGE RM. 128
A-6.2 SCALE: 1/4"=1'-0"



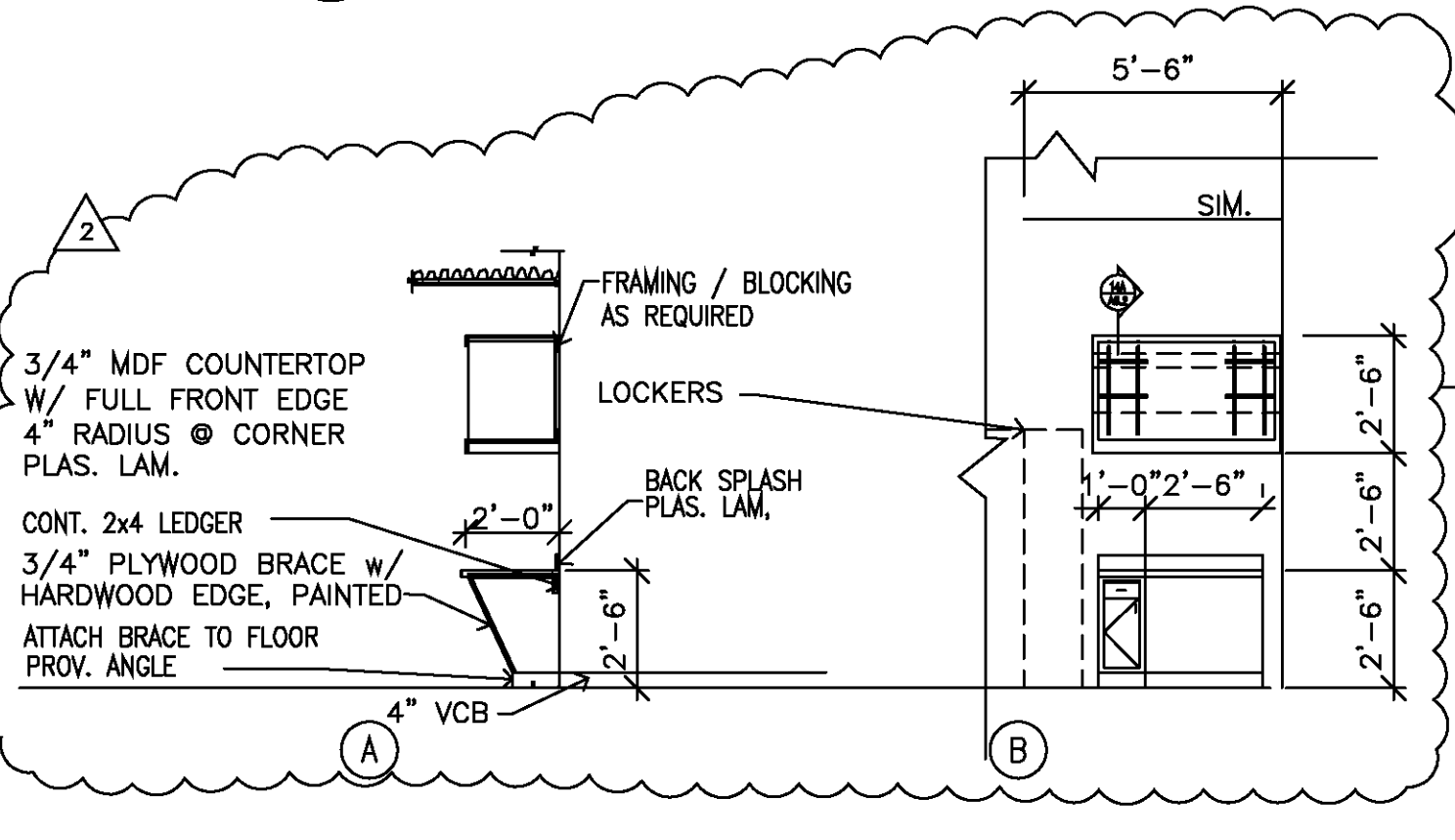
14 VANITY
A-6.2 SCALE: 1"=1'-0"



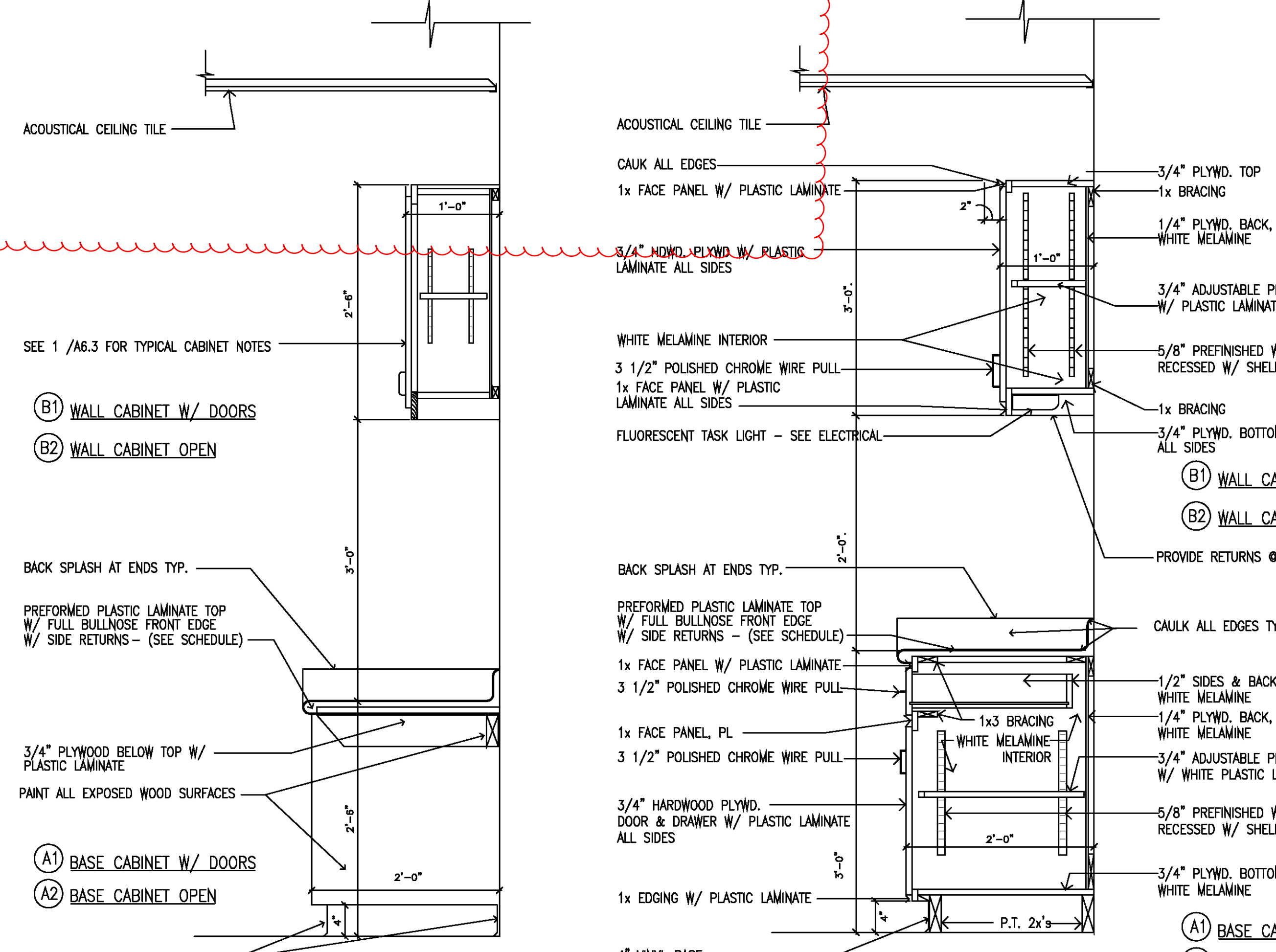
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A-6.2 SCALE: 1/4"=1'-0"



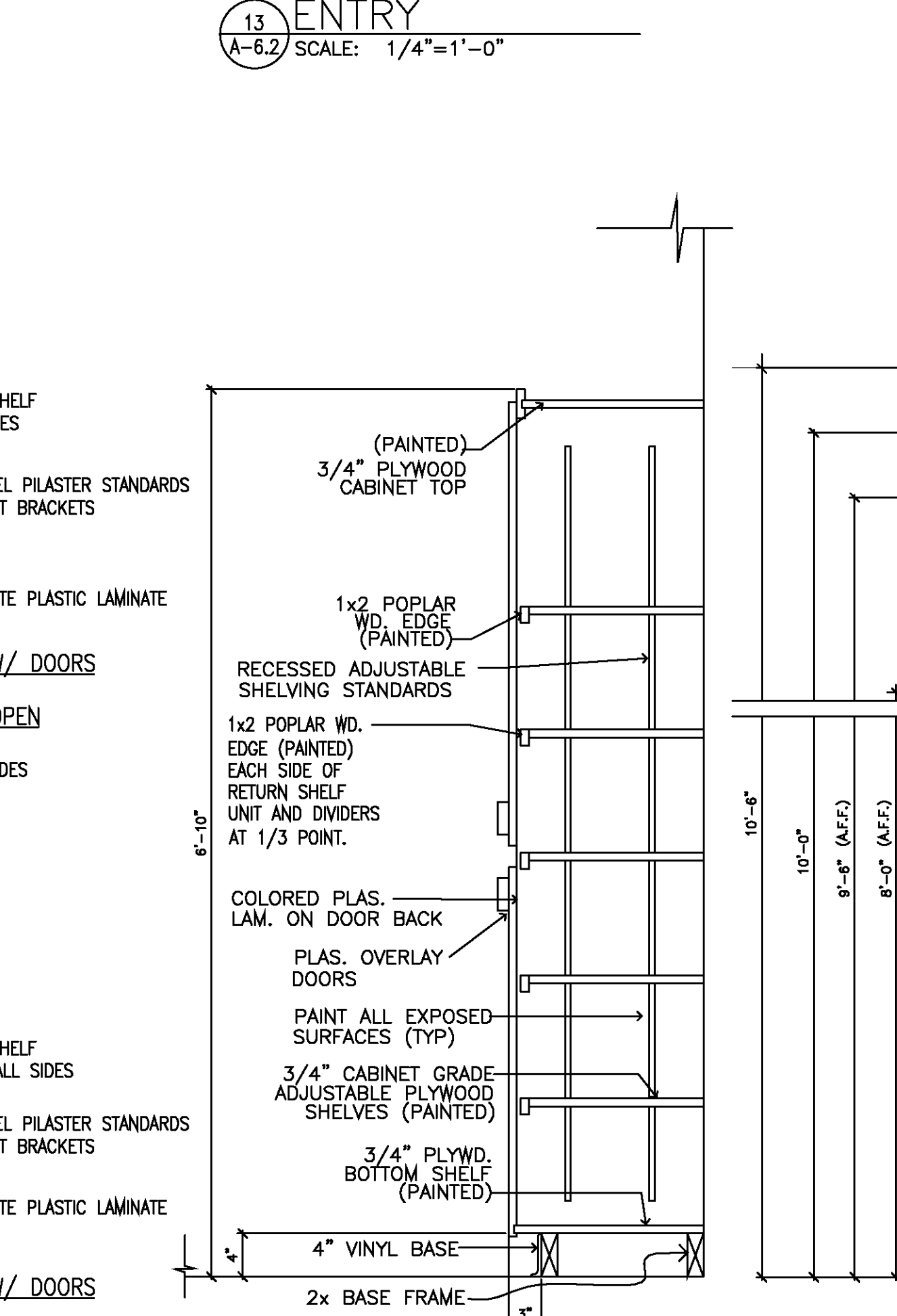
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A-6.2 SCALE: 1/4"=1'-0"



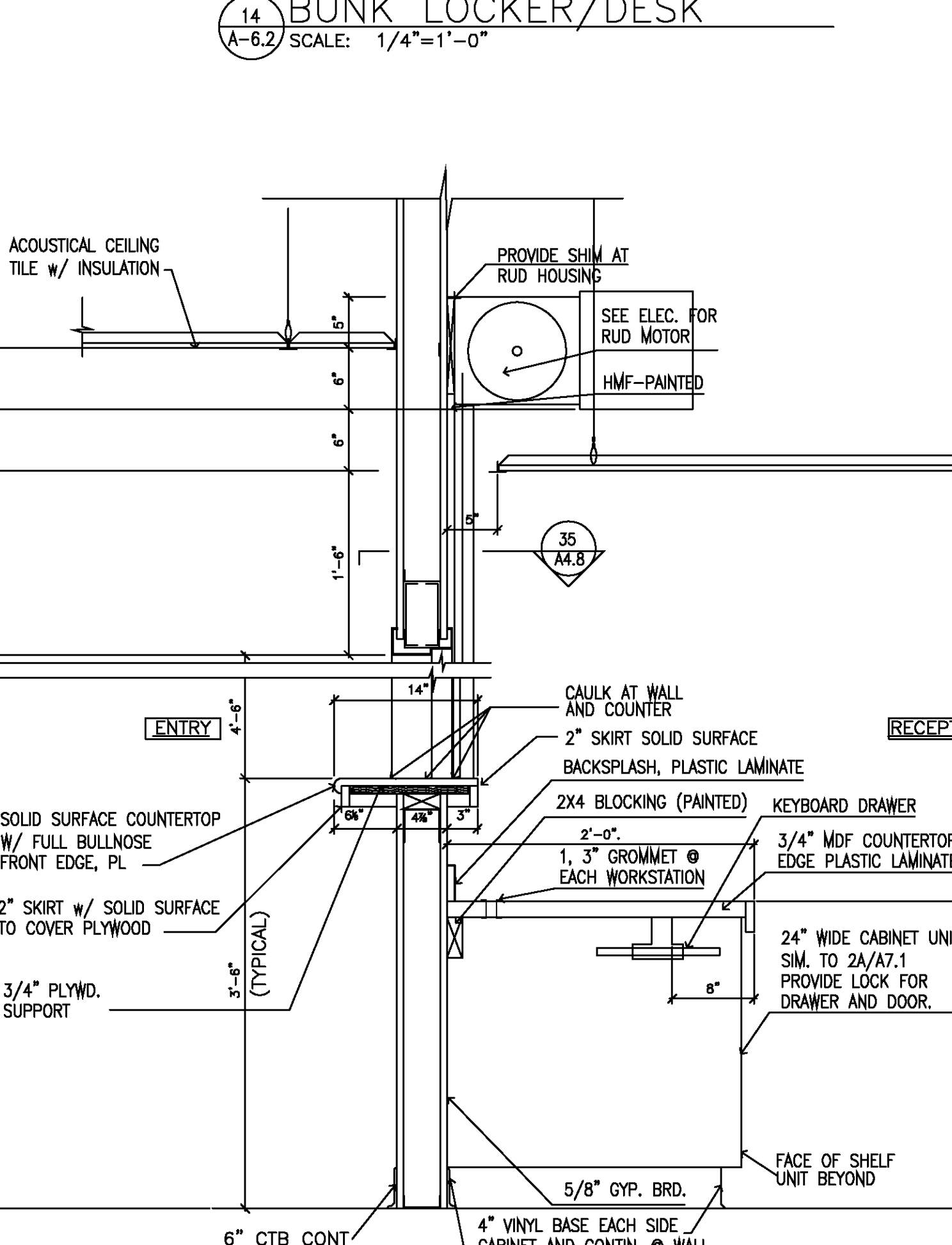
14 BUNK LOCKER/DESK
A-6.2 SCALE: 1/4"=1'-0"



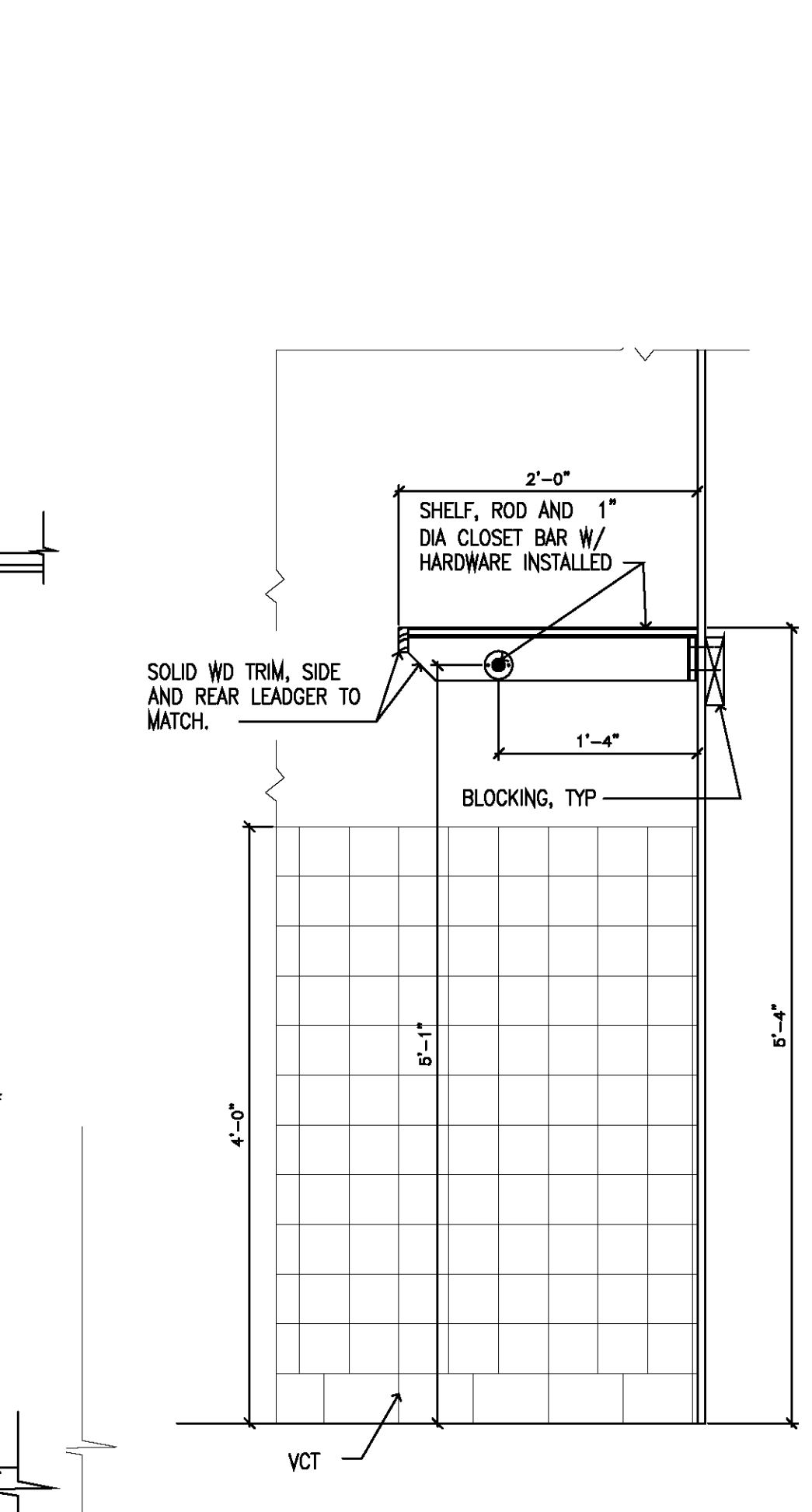
19 CABINET DTL
A6.2 SCALE: 1"=1'-0"



17 SHELVING DTL
A6.2 SCALE: 1"=1'-0"



16 SECT. @ RECEPT.
A6.2 SCALE: 1"=1'-0"



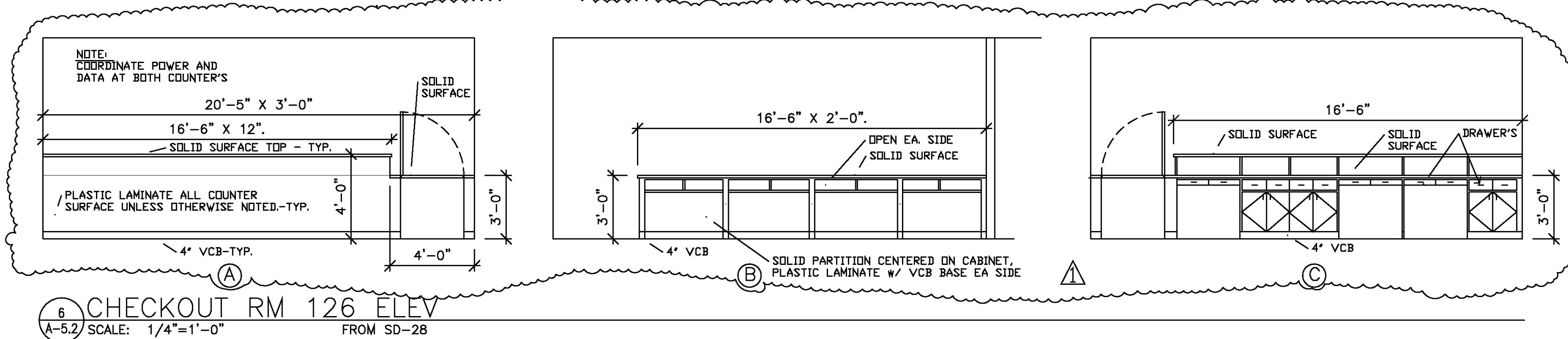
15 SHELF AND ROD
A6.2 SCALE: 1"=1'-0"

WALL & PARTITION TYPE SCHEDULE (CONT.)				
NO.	DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
6.23	LAMINATED GWB		(1) LAYER 5/8" WATER RESISTANT GWB LAMINATED TO WALL SURFACE. MUD & TAPE ALL JOINTS. PROVIDE TAPE EMBEDDED MTL. CORNER BEADS AT ALL CORNERS. INSTALL W/CONSTRUCTION MASTIC MEETING CODE REQUIREMENTS, SCREW AS MAY BE REQUIRED FOR ATTACHMENT.	INSTALL GWB CONTINUOUS UP TO 6" ABOVE CEILING HEIGHT. FINISH GWB ENDS WITH MET "J" MLD'G., MUD FLUSH.
6.25	FURRING GWB		7/8" METAL FURRING CHANNEL APPLIED TO SUBSTRATE SURFACE @ 16" O.C., APPLY 1 LAYER 5/8" GWB, MUD & TAPE ALL JOINTS. PROVIDE TAPE EMBEDDED CORNER BEAD AT ALL CORNERS CAP ENDS W/METAL "J" MOLD AND MUD	SEE REMARKS @ TYPE 6.23 INSTALL ALL FURRING AND GYP. BOARD TO 6" ABOVE CEILING HEIGHT OR AS NOTED. FINISH GWB ENDS WITH MET "J" MLD'G., MUD FLUSH.
6.26	FURRING WALL W/INSULATION SEE PLAN		6" METAL (25 MSG MIN.) STUDS @ 16" O.C., W/ONE LAYER 5/8" GWB APPLIED TO ONE SIDE.	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. APPLY GWB TO ONE SIDE OR AS NOTED.
6.27	METAL STUD PARTITION MS		METAL (25 MSG MIN.) STUDS @ 16" O.C., SIZE OF AS NOTED BELOW WALL TYPE. SEE REMARKS... NOTE: AT A SHOWER, BARE STUD @ STALL, APPLY WRGWB ABOVE STALL SEE SHOWER DTL., TYP EA SIDE OF STALLS	CONSTRUCT STUDWALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE/DECK ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. PROVIDE ALL REINFORCING AS SHOWN ON STRUCT. DRAWINGS. ASSEMBLY TO BE UL U905 OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. WHERE USED AS A PARTITION BRACE EACH WAY W/ BRACES AT 36" MAX TO TO STRUCTURE ABOVE.
6.29	CEMENT BOARD WALL PARTITION W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" FIBER REINFORCED CEMENT BDEA. SIDE. PROVIDE PARTITION INSULATION WHERE NOTED ON PLANS.	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C.
6.35	CEMENT BOARD WALL WALL W/INSULATION SEE PLAN		6" METAL (25 MSG MIN.) STUDS @ 16" O.C., W/ONE LAYER FIBER REINFORCED CEMENT BOARD APPLIED TO EACH.	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C.
6.37	CEMENT/GYPSUM BD. WALL WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 5/8" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. USE WRGWB SHOWER AND TOILET ROOM.
6.40	EXTERIOR / PLASTER WALL WALL W/INSULATION SEE PLAN		6" METAL STUDS (18 GA.) @ 16" O.C., 5/8" GWB INTER. SIDE, INSULATE WALL W/ BATT INSUL. INSTALL NOISE BARRIER LAMINATE (S.2 BELOW). ON EXTERIOR APPLY DENS GLAS SHEATHING AND EIFS SYSTEM W/ 1 1/2" INSULATION BOARD	COORDINATE WALL AND EIFS WITH WALL FLASHING, SEAL TOP AND BOTTOM OF WALL FOR ACOUSTIC SEPARATION, COORDINATE WALL CONSTRUCTION WITH COLUMNS IN WALL AND STRUCTURAL DETAILS.
6.46	IWB, 1 LAYER 1 SIDE / GWB, 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. USE WRGWB SHOWER AND TOILET ROOM.
6.47	IWB, 2 LAYERS 1 SIDE / GWB, 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	* WALL 6.46 TO BE RATED WHERE NOTED ON PLANS
6.48	IWB, 2 LAYERS 1 SIDE / IWB 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. USE WRGWB SHOWER AND TOILET ROOM.
6.49	LAMINATED IMPACT BD IM BD		(1) LAYER 5/8" WATER RESISTANT GWB LAMINATED TO WALL SURFACE. MUD TAPE ALL JOINTS. PROVIDE TAPE EMBEDDED MTL. CORNER BEADS AT ALL CORNERS. INSTALL W/CONSTRUCTION MASTIC MEETING CODE REQUIREMENTS, SCREW AS MAY BE REQUIRED FOR ATTACHMENT.	INSTALL GWB CONTINUOUS UP TO 6" ABOVE CEILING HEIGHT. FINISH GWB ENDS WITH MET "J" MLD'G., MUD FLUSH.
6.52	GYP WALL BD LAYER OF NOISE BARRIER LAMINATE GWB. WALL TYPE TO RECEIVE NOISE LAMINATE PLANS FOR NOTATION AND LOCATIONS		(1) LAYER 1/8" "NOISE BARRIER S.T.O.P." MASS LOADED VINYL NOISE/ACOUSTICAL BARRIER FILM, FASTENED TO EXISTING GWB WALL PER MANUF. PROCEDURES (STAPLED). THE FINISHED SURFACE APPLICATION IS ONE LAYER OF 5/8" GWB SCREWED TO MET STUDS OF EXIST'G WALL. ACOUSTICAL FILM AVAILABLE FROM ACOUSTICAL SURFACES INC. 1-800-526-5138. FINISH GWB FOR LEVEL "5" SURFACE AND TREAT PER FINISH SCHEDULE.	INSTALL ACOUSTICAL FILM FROM FLOOR TIGHT TO STRUCTURE ABOVE AND CONTINUOUS FROM WALL SIDE EDGE TO SIDE EDGE, OVERLAP AND SEAL SEAMS. SEAL ALL T,B AND SIDE EDGES, SEAMS AND PENETRATIONS USING THE MANUFACTURER'S ACOUSTICAL SEALANTS, PRO SERIES SEALANT (PSS-29) BY ACOUSTICAL SURFACES INC. PRODUCED FOR THIS APPLICATION. "NOISE BARRIER S.T.O.P." TO BE 1/8" - 1 LB./SQ. FT. BLACK MASS LOADED VINYL FILM.

WALL SCHEDULE NOTES:

(Notes apply as typical notes for all related walls. In some case at certain wall types individual notes are referenced to emphasis certain conditions and requirements)

- WALL TYPES SHOW STUD SIZES. IN SOME CASE ON THE PLANS OR DETAILS AN ALTERNATE SIZE TO BE USED MAY BE SHOWN FOR CONSTRUCTION CONDITIONS.
- WHERE GYPSUM BD WALLS ARE USED AT WET LOCATIONS, RESTROOMS / JAN CLOSETS, INSTALL WR GYP BOARD HOLD OFF THE FLOOR AND INSTALL A FULL CONTIN SEALANT BEAD!
- SEE 15/A4.3 FOR TYPICAL LATERAL BRACING DETAIL OF INTERIOR PARTITIONS.
- NOTE: AT A SHOWER, BARE STUD @ STALL, APPLY BOARD ABOVE STALL SEE DTL 1E/A4.2 TYP EA SIDE OF STALLS



WALL & PARTITION TYPE SCHEDULE				
NO.	DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
6.24	8" CMU WALL WALL W/INSULATION SEE PLAN		8" CMU WALL W/ 3/8" MORTAR JOINTS. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" VERTICAL CMU LINTELS SHOWN ON STRUCTURE. PROVIDE FILLED CELLS AND VERTICAL REINFORCING AS DETAILED, AND SHOWN ON STRUCT.	INTERIOR WALLS TO BE PAINTED AS SCHEDULED. EXTERIOR WALL SURFACES TO RECEIVE TEXTURED WATERPROOF COATING PFT11, OR EIFS AS DET'L & SPEC'D. FILL CELLS WITH POURED INSULATION, WHERE REQUIRED CMU TYPE "C": SMOOTH FACE CMU TYPE "B": FRACTURED FACE
6.25	1 HR RATED 8" CMU WALL WALL W/INSULATION SEE PLAN		8" CMU WALL W/ 3/8" MORTAR JOINTS. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" VERTICAL CMU LINTELS SHOWN ON STRUCTURE. PROVIDE FILLED CELLS AND VERTICAL REINFORCING AS SHOWN ON STRUCT. DRAWINGS. TO BE UL U905 WHERE NOTED FOR RATING.	INTERIOR WALLS TO BE PAINTED AS SCHEDULED. PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DRAWINGS. CONTIN. WALL TO BOTTOM OF STRUCT. ABOVE FILL ALL VOIDS W/FIRE SAFING MATERIAL. FILL CELLS WITH POURED INSULATION, WHERE NOTED, PROVIDE METAL SLEEVES W/ FIRE-SMOKE SAFING WHERE SPRINKLER LINES PENETRATE WALL.
6.26	2 HR RATED 8" CMU WALL, UL #U905 WALL W/INSULATION SEE PLAN		8" CMU WALL W/ FULL 3/8" MORTAR JOINTS. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" VERTICAL CMU LINTELS SHOWN ON STRUCTURE. PROVIDE FILLED CELLS AND VERTICAL REINFORCING AS SHOWN ON STRUCT. DRAWINGS. ASSEMBLY TO BE UL U905 WHERE TYPE IS SHOWN. COMPLY WITH ALL REQUIREMENTS OF UL U905.	INTERIOR WALLS TO BE PAINTED AS SCHEDULED. PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DRAWINGS. CONTIN. WALL TO BOTTOM OF STRUCT. ABOVE FILL ALL VOIDS W/FIRE SAFING MATERIAL. FILL CELLS WITH POURED INSULATION, WHERE NOTED, PROVIDE METAL SLEEVES W/ FIRE-SMOKE SAFING WHERE SPRINKLER LINES PENETRATE WALL. TYP. MCUI, SEE STRUCT. DRAWINGS AND DETAILS.
6.27	1 HR RATED 6" CMU WALL WALL W/INSULATION SEE PLAN		6" CMU WALL WITH 3/8" MORTER JOINTS, PROVIDE HORIZ. JOINT REINFORCING @ 16" VERTICAL CMU LINTELS AS PER STRUCT. PROVIDE FILLED CELLS AND REINFORCING AS SHOWN ON STRUCT. DWGS. TO BE EQUAL TO UL U905 WHERE NOTED FOR 1 HR.	PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DWGS. SEE STRUCT. DWGS FOR ALL SHEER WALLS. PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DWGS FOR ALL SHEER WALLS. SEE PLANS WHERE USED W/OTHER WALL TYPES, PROVIDE 1 HR AT ALL CORR.
6.29	6" CMU PARTITION PARTITION W/INSULATION SEE PLAN		6" CMU WALL WITH 3/8" MORTER JOINTS, PROVIDE HORIZ. JOINT REINFORCING @ 16" VERTICAL CMU LINTELS SHOWN ON STRUCTURE PROVIDE FILLED CELLS AND REINFORCING AS SHOWN ON STRUCT. DWGS.	PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DRAWINGS SEE STRUCT. DRAWINGS FOR ALL SHEER WALLS. PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DRAWINGS FOR ALL SHEER WALLS.
6.35	12" CMU WALL, (2 HR. RATED WHERE NOTED ON PLAN) * WALL W/INSULATION SEE PLAN (OTHER THAN E.I.F.S.)		12" CMU WALL WITH 3/8" MORTAR JOINTS, PROVIDE HORIZ. JOINT REINFORCING @ 16" VERTICAL (SEE STRUCT.). CMU LINTELS AS PER STRUCT. PROVIDE FILLED CELLS & REINF. AS SHOWN ON STRUCT. DWGS. PROVIDE UL U905 BLOCK AND CONST. WHERE NOTED FOR RATING.	INTERIOR WALLS TO BE PAINTED AS SCHEDULED. PROVIDE ALL REINFORCING AND DETAILS AS SHOWN IN DRAWINGS. CONTIN. WALL TO BOTTOM OF STRUCT. ABOVE FILL ALL VOIDS W/FIRE SAFING MATERIAL. FILL CELLS WITH POURED INSULATION, WHERE NOTED, PROVIDE METAL SLEEVES W/ FIRE-SMOKE SAFING WHERE SPRINKLER LINES PENETRATE WALL. PROVIDE METAL SLEEVES W/ FIRE-SMOKE SAFING WHERE LINES PENETRATE WALL.
6.37	8" CMU W/ CMU VENEER WALL W/INSULATION SEE PLAN (OTHER THAN MAS VENEER)		8" CMU WALL W/ 3/8" MORTAR JOINTS, LIQUID APPLIED MOISTURE BARRIER, 2" RIGID INSULATION BOARD, AIR SPACE, BRICK TIES AND BRICK (MAS.) VENEER. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" O.C. PROVIDE CMU LINTELS AS SHOWN ON STRUCT. PROVIDE VERTICAL REINFORCING AND FILLED CELLS PER STRUCT. PROVIDE UL U905 OR BETTER WHERE NOTED FOR 2 HR. WALL.	PROVIDE ALL REINFORCING & DETAILS AS SPECIFIED IN DRAWINGS. SEE STRUCTURAL DRAWINGS FOR ALL SHEAR WALLS. EXTERIOR WALLS TO BE INSULATED. BRICK VENEER TO BE RUNNING BOND. CMU DETAILS & BOND, SEE STRUCT. PROVIDE CAVITY W/P. DAMPPROOFING.
6.40	EXT BRICK+MET ST WALL W/INSULATION SEE PLAN		(1) LAYER OF 5/8" TYPE "X" FIRE RATED GWB. 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" PLWD. SHEATHING, AIR SPACE, BRICK TIES AND BRICK VENEER. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" O.C. PROVIDE CMU LINTELS AS SHOWN ON STRUCT. PROVIDE VERTICAL REINFORCING AND FILLED CELLS PER STRUCT. PROVIDE UL U905 OR BETTER WHERE NOTED FOR 2 HR. WALL.	PROVIDE ALL REINFORCING & DETAILS AS SPECIFIED IN DRAWINGS. SEE STRUCTURAL DRAWINGS FOR ALL SHEAR WALLS. EXTERIOR WALLS TO BE INSULATED. BRICK VENEER TO BE RUNNING BOND. CMU DETAILS & BOND, SEE STRUCT. PROVIDE CAVITY W/P. DAMPPROOFING.
6.46	IWB, 1 LAYER 1 SIDE / GWB, 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. USE WRGWB SHOWER AND TOILET ROOM.
6.47	IWB, 2 LAYERS 1 SIDE / GWB, 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	* WALL 6.46 TO BE RATED WHERE NOTED ON PLANS
6.48	IWB, 2 LAYERS 1 SIDE / IWB 1 SIDE, WALL * WALL W/INSULATION SEE PLAN		3 5/8" METAL (25 MSG MIN.) STUDS @ 16" O.C., 5/8" GWB APPLIED VERTICALLY ON ONE SIDE AND 1/2" FIBER REINFORCED CEMENT BOARD APPLIED HORIZ. ON OPPOSITE SIDE. COORD. CEMENT BOARD ON SIDE TO BE PROTECTED (MOISTURE OR IMPACT).	CONSTRUCT WALL CONTIN. FROM FLOOR OR SUPPORT WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING/BACK-UP FOR BRACING POINTS AND ACCESSORIES. FOR HEIGHTS ABOVE 12'-0" USE 6" MS OR BRACE EACH WAY TO STRUCTURE @ 48" O.C. USE WRGWB SHOWER AND TOILET ROOM.
6.49	LAMINATED IMPACT BD IM BD		(1) LAYER 5/8" WATER RESISTANT GWB LAMINATED TO WALL SURFACE. MUD TAPE ALL JOINTS. PROVIDE TAPE EMBEDDED MTL. CORNER BEADS AT ALL CORNERS. INSTALL W/CONSTRUCTION MASTIC MEETING CODE REQUIREMENTS, SCREW AS MAY BE REQUIRED FOR ATTACHMENT.	INSTALL GWB CONTINUOUS UP TO 6" ABOVE CEILING HEIGHT. FINISH GWB ENDS WITH MET "J" MLD'G., MUD FLUSH.
6.52	GYP WALL BD LAYER OF NOISE BARRIER LAMINATE GWB. WALL TYPE TO RECEIVE NOISE LAMINATE PLANS FOR NOTATION AND LOCATIONS		(1) LAYER 1/8" "NOISE BARRIER S.T.O.P." MASS LOADED VINYL NOISE/ACOUSTICAL BARRIER FILM, FASTENED TO EXISTING GWB WALL PER MANUF. PROCEDURES (STAPLED). THE FINISHED SURFACE APPLICATION IS ONE LAYER OF 5/8" GWB SCREWED TO MET STUDS OF EXIST'G WALL. ACOUSTICAL FILM AVAILABLE FROM ACOUSTICAL SURFACES INC. 1-800-526-5138. FINISH GWB FOR LEVEL "5" SURFACE AND TREAT PER FINISH SCHEDULE.	INSTALL ACOUSTICAL FILM FROM FLOOR TIGHT TO STRUCTURE ABOVE AND CONTINUOUS FROM WALL SIDE EDGE TO SIDE EDGE, OVERLAP AND SEAL SEAMS. SEAL ALL T,B AND SIDE EDGES, SEAMS AND PENETRATIONS USING THE MANUFACTURER'S ACOUSTICAL SEALANTS, PRO SERIES SEALANT (PSS-29) BY ACOUSTICAL SURFACES INC. PRODUCED FOR THIS APPLICATION. "NOISE BARRIER S.T.O.P." TO BE 1/8" - 1 LB./SQ. FT. BLACK MASS LOADED VINYL FILM.

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REVISIONS	NO.	DATE
	1	4/27/09 ADDEN. COORD.

PUBLIC SAFETY COMPLEX

CITY OF MOBILE, Project No. MX-015-08

MOBILE, ALABAMA

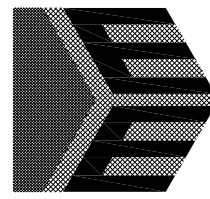
THESE DOCUMENTS ARE FOR USE ONLY ON THE SPECIFIC PROJECT DESIGNATED HEREON. ANY OTHER USE OR REPRODUCTION IS PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSION OF JOHN DENDY & ASSOCIATES, ARCHITECTS & THE PARTICIPATING CONSULTANTS ON THE PROJECT FOR THEIR RESPECTIVE PORTIONS OF THE WORK.

REFERENCE TO AND USE OF THIS DRAWING IS NOT AUTHORIZED UNLESS UNDER THE DIRECTION OF THE GENERAL CONTRACTOR. DEFINITION OF THE SCOPE OF THE WORK SHALL NOT BE MADE BY REFERENCE TO ONLY THIS SHEET. CONSULT THE COMPLETE SET OF CONTRACT DOCUMENTS.

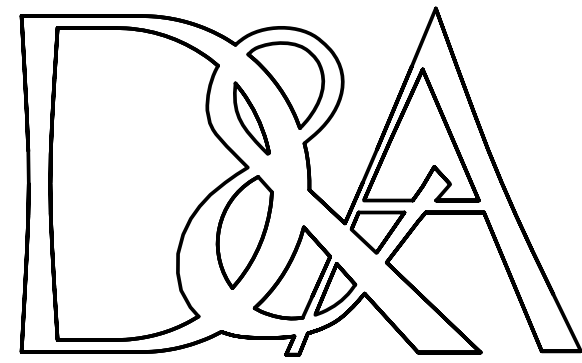
PROJ. NO.: 2706
DATE: 12/22/2008
TITLE: WALL TYPE SCHEDULE

SHEET: A-5.2

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
FILE: A520e2706



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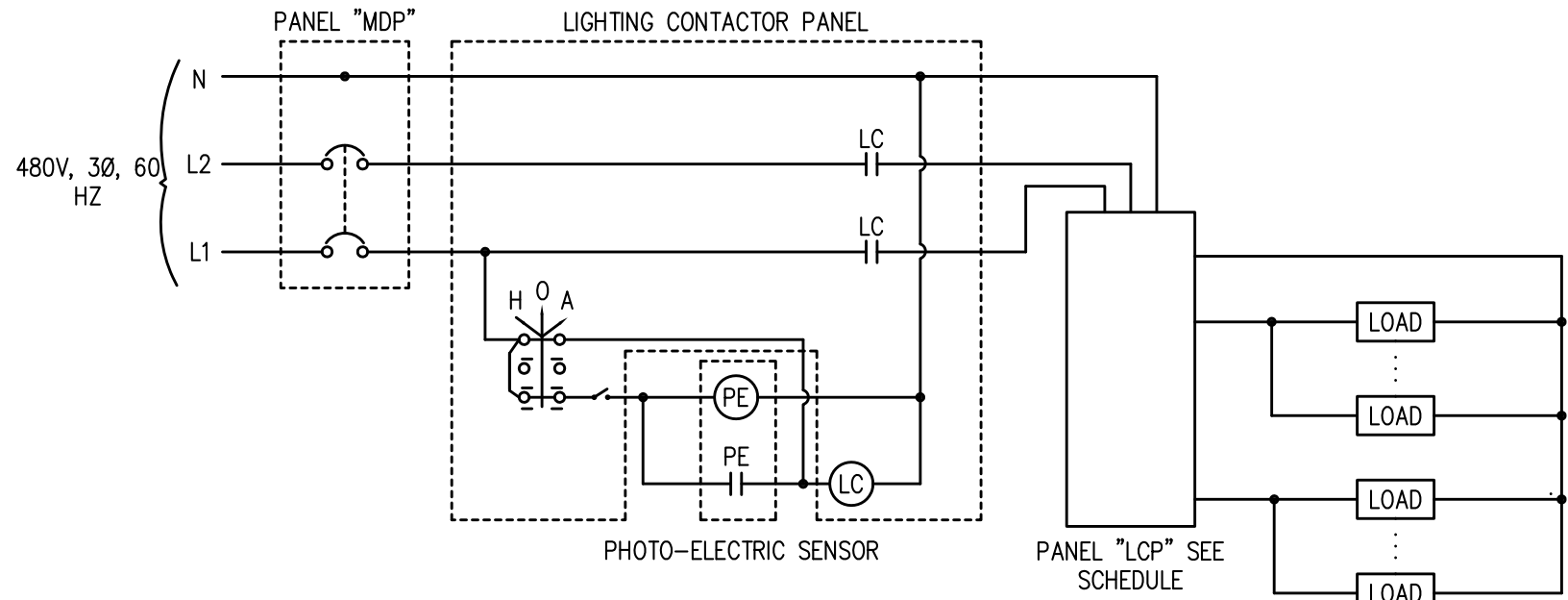
REVISIONS

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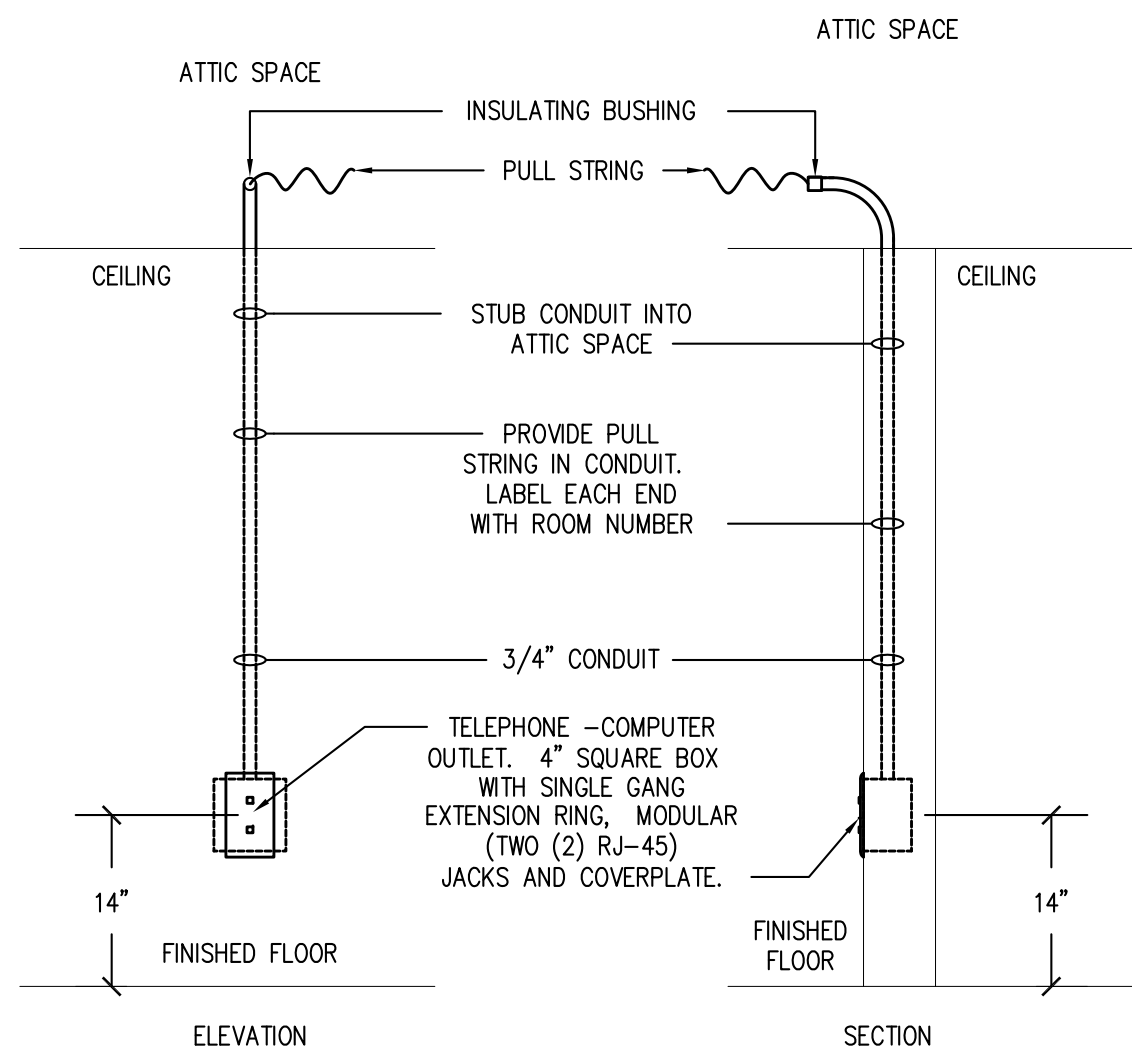
GENERAL NOTES

- THE FIRE ALARM SYSTEM CONTRACTOR SHALL INSTALL A FIRE ALARM SYSTEM IN THE PUBLIC SAFETY COMPLEX. FIRE ALARM SYSTEM SHALL BE IN COMPLIANCE WITH LOCAL CODES AND ORDINANCES. ELECTRICAL CONTRACTOR SHALL MOUNT, WIRE AND TERMINATE ALL DEVICES FOR A COMPLETE FIRE ALARM SYSTEM.
- ALL LIGHT FIXTURES SHALL BE PURCHASED, INSTALLED WIRED AND TERMINATED BY THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE AS-BUILT MARK-UPS OF ALL PLANS TO ENGINEER AND OWNER.
- THE INSTALLATION SHALL MEET ALL OF THE REQUIREMENTS OF THE N.E.C., LOCAL ORDINANCES, CODES AND THE AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO PROVIDE COMPLETE AND OPERATIONAL LIGHT CONTROL SYSTEMS USING BUT NOT LIMITED TO ONE (1) 50A, 2P LIGHTING CONTACTOR WITH ENCLOSURE, PANEL TOP NO. 1" AND A PHOTO ELECTRIC CELL INSTALLED ON THE BUILDING EXTERIOR FACING WEST.
- THE SECURITY SYSTEM SHALL BE PROVIDED BY THE OWNER.
- COORDINATE THE EXACT LOCATION OF ELECTRICAL ROUGH-INS FOR ALL APPLIANCES WITH THE PLACEMENT AND HEIGHT SHOWN ON THE ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS.
- ALL DATA/VOICE/LOW VOLTAGE CABLING SHALL BE CAT6 OR BETTER. COLOR OF CABLE TO BE WHITE.
- THE NEW PUBLIC SAFETY COMPLEX WILL BE SERVED BY THE CITY'S MAIN TELECOMMUNICATIONS SYSTEM THAT IS SERVING MOST CITY OF MOBILE BUILDINGS. THE CONDUIT AND STATION VOICE, DATA, LOW VOLTAGE WIRING WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AS PART OF THE NEW BUILDINGS CONSTRUCTION. CITY OF MOBILE TELECOMMUNICATION TECHNICIANS WILL DO ALL OF THE WIRING TERMINATIONS OF THE CONTRACTOR INSTALLED WIRING.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL THE TRANSFORMER PAD WITH PROPER GROUNDING SYSTEM THAT MEETS OR EXCEEDS ALABAMA POWER COMPANY'S GROUNDING REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALABAMA POWER COMPANY TO PROVIDE A COMPLETE AND OPERATIONAL SERVICE TO THE BUILDING. THE CONTRACTOR SHALL NOT BE DUE ADDITIONAL FEES FOR ANY OMISSIONS OR REMARKS IN THE DRAWING THAT THE INSTALLATION DOES NOT MEET ALABAMA POWER COMPANY'S REQUIREMENTS.

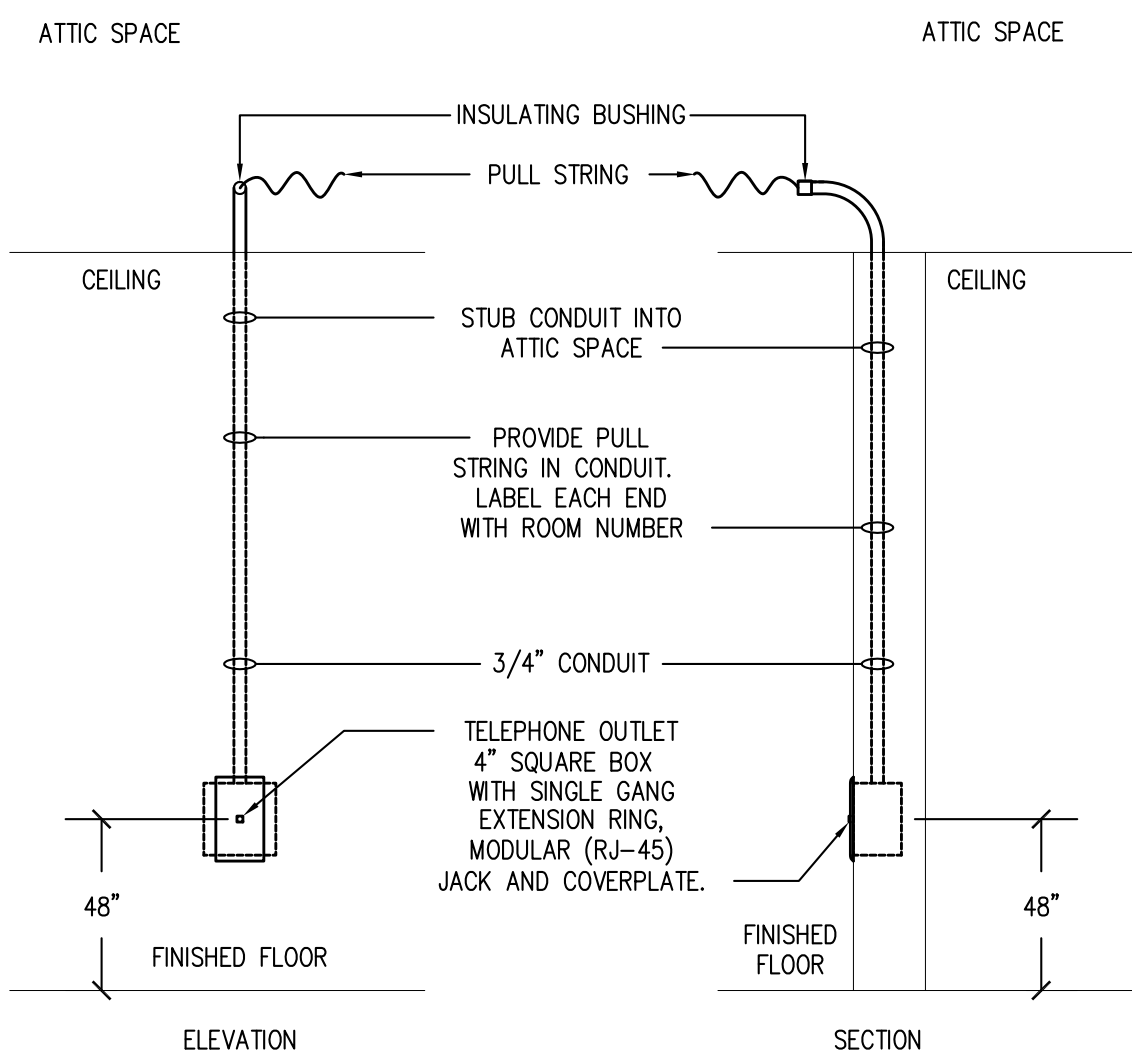
ELECTRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE - LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	INCANDESCENT LIGHTING FIXTURE WITH BATTERY PACK FOR EGRESS LIGHTING SEE FIXTURE SCHEDULE.
	INCANDESCENT OR COMPACT FLUORESCENT LIGHTING FIXTURE. LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	"LED" EXIT LIGHT WITH BATTERY PACK. DARKENED QUADRANTS INDICATE ILLUMINATED FACES, ARROWS AS INDICATED.
	LIGHTING AND APPLIANCE PANELBOARD - SEE RESPECTIVE PANELBOARD SCHEDULE.
	DISTRIBUTION PANELBOARD -
	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROWS INDICATE CIRCUIT HOMERUNS. HASH MARKS INDICATE NUMBER OF CONDUCTORS. NEUTRAL AND/OR SWITCH LEG CONDUCTORS. "A" DENOTES PANEL BOARDS SERVING CIRCUITS, XX CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.
	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROWS INDICATE CIRCUIT HOMERUNS. "A" DENOTES PANEL BOARDS SERVING CIRCUITS, XX CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTORS 2#12, 1#12 GND, 1 CAT 5 CABLE, 3/4" C.
	BRANCH CIRCUIT CONDUIT RUN BELOW GRADE OR CONCEALED IN SLAB. ARROWS INDICATE CIRCUIT HOMERUNS. HASH MARKS INDICATE NUMBER OF CONDUCTORS, REVERSE HASH MARK INDICATES GROUND CONDUCTOR. ABSENCE OF HASH MARKS INDICATES TWO CONDUCTORS AND GROUND. GROUND CONDUCTORS SHALL BE RUN IN EACH CONDUIT WITH PHASE, NEUTRAL AND/OR SWITCH LEG CONDUCTORS. "A" DENOTES PANELBOARD SERVING CIRCUITS, "1,3,5" INDICATES CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.
	DISCONNECT (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF SWITCH 6"-6"
	ELECTRIC MOTOR- SEE RESPECTIVE EQUIPMENT SCHEDULE.
	20A, 120/277 VAC SINGLE POLE TOGGLE SWITCH - FLUSH WALL MOUNTED 44" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.
	20A, 120/277 VAC THREE WAY TOGGLE SWITCH - FLUSH WALL MOUNTED 44" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.
	20A, 120/277 VAC FOUR WAY TOGGLE SWITCH - FLUSH WALL MOUNTED 44" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.
	20A, 125 VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	20B VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER. "YY" INDICATES AMPERAGE RATING.
	TWO 20A, 125 VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTABLES. FLUSH WALL MOUNTED: ONE AT THE OTHER AT 48" A.F.F. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	20A, 125 VAC 2P, 3W, GROUND FAULT INTERRUPTING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	(2) 20A, 125 VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTABLES. FLUSH WALL MOUNTED IN 2-GANG BOX 14" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	(2) 20A-1P DUPLEX RECEPTABLES MOUNTED IN A SQUARE RECESSED FLOOR BOX BY "WALKER".
	FLOOR MOUNTED QUAD DROP VOICE DATA.
	JUNCTION BOX. MINIMUM SIZE 4" SQUARE X 2-1/8" DEEP WITH COVER PLATE. FLUSH WALL MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE.
	SINGLE MODULAR COMPUTER (RJ45) OUTLET IN A 4" SQUARE BOX WITH SINGLE GANG EXTENSION RING. MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE WITH 3/4" CONDUIT UP IN WALL TO 6" ABOVE CEILING. CONDUIT TO ELECTRICAL ROOM.
	SINGLE MODULAR TELEPHONE (RJ45) OUTLET IN A 4" SQUARE BOX WITH SINGLE GANG EXTENSION RING. MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE WITH 3/4" CONDUIT UP IN WALL TO 6" ABOVE CEILING. CONDUIT TO ELECTRICAL ROOM.
	COMBINATION SINGLE MODULAR TELEPHONE (RJ45) OUTLET AND SINGLE MODULAR COMPUTER (RJ45) OUTLET IN A 4" SQUARE RECESSED FLOOR BOX.
	SINGLE MODULAR COMPUTER (RJ45) OUTLET IN A 4" SQUARE RECESSED FLOOR BOX.
	SINGLE MODULAR CABLE TV OUTLET IN A 4" SQUARE BOX WITH SINGLE GANG EXTENSION RING. DEVICE MOUNTED 14" A.F.F. UNLESS NOTED OTHERWISE WITH 1" CONDUIT UP IN WALL TO 6" ABOVE CEILING. EXTEND CONDUIT TO ELECTRICAL ROOM.
	FIRE ALARM SYSTEM CONTROL PANEL - INTELLIGENT/ADDRESSABLE TYPE WITH BATTERY BACK-UP AND DIGITAL ALARM COMMUNICATOR.
	FIRE ALARM SYSTEM ADDRESSABLE PULL STATION - SEMI-FLUSH MOUNTED 48" A.F.F. TO TOP UNLESS NOTED OTHERWISE.
	CEILING MOUNTED FIRE ALARM SYSTEM ADDRESSABLE PHOTO-ELECTRIC TYPE SMOKE DETECTOR WITH BASE. DETECTOR TO DETECTOR SPACING: 30' O.C. MAXIMUM. DETECTOR TO WALL SPACING: 15' MAXIMUM. DETECTOR TO SMOKE DOOR SPACING: 1' MINIMUM, 5' MAXIMUM.
	CEILING MOUNTED FIRE ALARM SYSTEM ADDRESSABLE HEAT (THERMAL) TYPE SMOKE DETECTOR WITH BASE. DETECTOR TO DETECTOR SPACING: 30' O.C. MAXIMUM. DETECTOR TO WALL SPACING: 15' MAXIMUM. DETECTOR TO SMOKE DOOR SPACING: 1' MINIMUM, 5' MAXIMUM.
	CARBON MONOXIDE AND EXPLOSIVE GAS SENSOR WITH THE BOTTOM MOUNTED APPROXIMATELY 12" BELOW THE CEILING. CONNECT TO NEAREST LIGHTING CIRCUIT TO PROVIDE 120V / 1 PHASE POWER SUPPLY.
	FIRE ALARM SYSTEM AUDIO SEMI-FLUSH WALL MOUNTED 80" A.F.F. UNLESS NOTED OTHERWISE. (RESIDENT ONLY)
	FIRE ALARM SYSTEM AUDIO/VISUAL DEVICE SEMI-FLUSH WALL MOUNTED 80" A.F.F. UNLESS NOTED OTHERWISE.
	MAGNETIC OPEN DOOR HOLDER, TO BE CONNECTED TO FIRE ALARM.
	FIRE ALARM SYSTEM DUCT MOUNTED ADDRESSABLE PHOTO-ELECTRIC SMOKE DETECTOR COMPLETE WITH HOUSING AND AIR SAMPLING TUBES. "S" DENOTES DETECTOR IN SUPPLY DUCT; "M" DENOTES DETECTOR IN RETURN DUCT.
	FIRE ALARM SYSTEM FAN SHUT DOWN RELAY - MOUNTED AT EQUIPMENT.
	INDICATES DEVICE OR BOX WITH WEATHERPROOF OUTLET BOX AND COVER PLATE.
SYMBOLS NOTES: 1. ALL OUTLETS ARE TO BE FLUSH MOUNTED. 2. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE UNLESS OTHERWISE NOTED. 3. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING. 4. ALL MULTI-GANG DEVICES SHALL USE A COMMON COVER PLATE. 5. ALL NORMAL POWER DEVICES (i.e. SWITCHES, RECEPTABLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVER PLATES SHALL BE WHITE OR BLACK FOR OUTLETS IN DARK GRANITE. 6. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.	



Typical Lighting Control Panel Diagram
NOT TO SCALE



Telephone - Computer Outlet Detail
NOT TO SCALE



Telephone Outlet Detail
NOT TO SCALE

ABBREVIATIONS

A/C	AMPS	MAG	MAGNETIC (METER or STARTER)
A.F.F.	AIR CONDITIONING	MAN	MANUAL
AHU	AIR HANDLING UNIT	M.B.	MAIN BREAKER
A.I.C.	AMPS INTERRUPTING CAPACITY (SHORT CIRCUIT)	MCM	THOUSAND CIRCULAR MILS
AI	ALUMINUM	MCS	MOLDED CASE SWITCH
AM	AUTOMATIC	MECH.	MECHANICALLY (HELD)
AUX	AUXILIARY	MT.	MOUNT
AWG	AMERICAN WIRE GAUGE	N.	NEUT
B	BAIRE	N.C.	NORMALLY CLOSED
C.	CONDUIT	N.O.	NORMALLY OPEN
C.B.	CIRCUIT BREAKER	OHE	OVER HEAD ELECTRICAL LINE
CH.	CHILLED	O.L.'s	OVERLOADS (THERMAL)
CKT	CIRCUIT	OUT	OUTPUT
Cu	COPPER	P	POLE(S)
CONN.	CONNECTED	PNL	PANEL OR PANELBOARD
CPT	CONTROL POWER TRANSFORMER	P.T.	POTENTIAL TRANSFORMER
CR	CONTROL RELAY	#(SUFFIX)	POUNDS WEIGHT
C.O.	CONDUIT ONLY	#(PREFIX)	WIRE GAUGE (AWG)
CT.	CURRENT TRANSFORMER	ø	PHASE
D.	DEEP	REC.	RECEPTACLE
DC	DIRECT CURRENT	RECEPT	RECEPTACLE
DISC.	DISCONNECT	S.C.	SHORT CIRCUIT (DUTY)
DN	DOWN	SN	SOLID NEUTRAL
EA	EACH	SOL	SOLID (CONDUCTOR)
E.O.	ELECTRIC OPERATOR	SQ.	SQUARE
ELEC	ELECTRIC	ST	SHUNT TRIP
E. EM	EMERGENCY	STR.	STARTER
EX. RE.	EXIST. RELOCATED	SW.	SWITCH
EQ.	EQUIPMENT (GROUND)	T.B.B.	TELEPHONE BACK BOARD
FA	FIRE ALARM	TEL	TELEPHONE
FU	FUSES	TEMP.	TEMPERATURE (CONTROL)
FUT.	FUTURE	T.O.E.	TIMED ON ENERGIZATION
G.	GROUND	TYP.	TYPICAL
G. GR.	GROUNDING	UPS	UNINTERRUPTIBLE POWER SYSTEM
GFI	GROUND FAULT INTERRUPTING	UG	UNDERGROUND
H.	HIGH, (MOUNTING HEIGHT TO CENTER LINE)	UGP	UNDERGROUND PRIMARY
H.O.A.	HAND-OFF AUTOMATIC SWITCH	UGS	UNDERGROUND SECONDARY
HT	HEAT	W	WAITS OR WIRE (USE CONTEXT)
ISO	ISOLATED GROUND	W	100W (WATTS) 3W (WIRE)
INS.	INPUT	W.H.	WATER HEATER
INS.	INSULATED	WP	WEATHERPROOF
INST.	INSTALL OR INSTRUMENT	WW	WIREWAY (or OUTER)
J.B.	JUNCTION BOX	V	VOLTS
K.O.	KNOCK OUT	VAC	VOLTS ALTERNATING CURRENT
KW	KILOWATTS	VOCTP	VOICE, DATA AND CABLE TERMINATION PANEL
LTC.	LIGHTING	VM	VOLTMETER
LG	LONG		

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PROJ. NO.: 2706

DATE: 12/22/08

TITLE: Electrical Legend
& Symbols

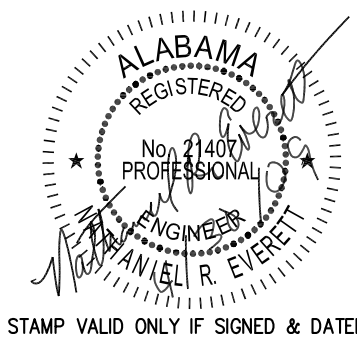
SHEET: E-1.1

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Keynotes

- 1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE PROPERLY SIZED JUNCTION BOXES MOUNTED IN FLOOR OR ADJACENT WALLS. THE NUMBER AND TYPE OF POWER, TELEPHONE AND DATA CIRCUITS REQUIRED FOR THE CUBICLE AREAS.
- 2 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A JUNCTION BOX AND ROUTE 3/4" C BACK TO THE SECURITY SYSTEM.
- 3 THE SECURITY SYSTEM CONTRACTOR SHALL PROVIDE A JUNCTION BOX AND CONDUIT FOR THE CARD READER, ELECTRIFIED DOOR STRIKE, POWER SUPPLIES AND/OR CONTROLLER.
- 4 ELECTRICAL POWER SUPPLY SHOWN SHALL BE FROM COMMON POWER THROUGH THE OUTDOOR HPU AND THEN TO THE INDOOR WHPU. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER DISCONNECT SWITCH FOR HPU AND PLUG DISCONNECT FOR WHPU.
- 5 RECEPTACLE SHALL BE MOUNTED IN THE CEILING ABOVE THE INFRARED HEATERS IN A LOCATION CLOSE TO THE EQUIPMENT ELECTRICAL CONNECTION.
- 6 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL MULTIOULET CORD REELS ON THE CEILING. THE ELEVATION OF THE OUTLETS IN THE RETRACTED POSITION SHALL BE COORDINATED WITH THE OWNER. THE CORD REEL SHALL BE INDUSTRIAL GRADE TYPE WITH 40'-0" OF 3 #12 AWG CONDUCTORS. THE CORD REEL SHALL BE A QUANGER CATALOG NUMBER 0757 OR ENGINEER APPROVED EQUAL.
- 7 DISCONNECTS SHALL BE MOUNTED AT THE SAME ELEVATION AS THE MOTOR FOR THE DOOR OPENER.
- 8 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A HEAVY DUTY, OIL TIGHT THREE POSITION SWITCH (OPEN-OFF-CLOSE) TO CONTROL THE MOTORIZED DOORS.
- 9 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL RECEPTACLES IN THE INTERROGATION ROOMS TO BE CONTROLLED BY A TOGGLE SWITCH.
- 10 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A RECEPTACLE ABOVE THE CEILING FOR THE MOTORIZED SCREEN, CONDUIT AND JUNCTION BOX FOR THE CONTROL SWITCH.
- 11 THE SECURITY CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL PUSH BUTTONS TO ALLOW THE RECEPTIONIST TO TEMPORARILY DE-ACTIVATE THE FRONT DOOR LOCKS TO ALLOW SOMEONE ACCESS WITHOUT A SECURITY ACCESS BADGE OR CARD FROM EITHER LOCATION. THE DOOR LOCKS SHALL BE DE-ACTIVATED DURING A FIRE ALARM SITUATION.
- 12 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A RECEPTACLE ABOVE THE CEILING IN THE LOCATION INDICATED.
- 13 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A MANUAL DOOR OVERRIDE SWITCH TO PREVENT OR STOP THE BAY DOORS FROM OPENING WHEN THE ENGINE IS OUT OF THE BAY.
- 14 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL AN EXISTING UPS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO HAVE THE UPS DELIVERED ON SITE.
- 15 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL AN E-STOP PUSH BUTTON TO DEACTIVATE THE HAYLOM SYSTEM AFTER AN ALARM HAS OCCURRED IN THIS ROOM.
- 16 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A POWER AND DATA JUNCTION BOXES ABOVE THE CEILING AND ROUTE 3/4" C WITH PULL STRING TO PANEL "P15" AND TO THE DATA FUTURE.
- 17 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL FOUR (4) 6" CONDUITS BETWEEN THE ELECTRICAL ROOM NO. 131 AND THE MIS OFFICE ROOM NO. 178.
- 18 THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A 1" CONDUIT WITH PULL STRING AND ROUTE IT TO JUNCTION BOX NO. 1 AS SHOWN ON THE CIVIL PLAN SHEET NO. 005.1. THE CONTRACTOR SHALL COORDINATE WITH THE TRAFFIC SIGNAL SYSTEM CONTRACTOR FOR EXACT LOCATION OF JUNCTION BOX TO AVOID ANY CONFLICTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN INSTALLATION THAT MEETS THE REQUIREMENTS OF N.E.C. STATE, LOCAL ORDINANCES AND THE AUTHORITY HAVING JURISDICTION.

19 CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL RECEPTACLE AND VIDEO COMPONENTS JUNCTION BOX ABOVE THE CEILING FOR A CEILING MOUNTED PROJECTOR. A 1" CONDUIT SHALL BE ROUTED FROM THE JUNCTION BOX ABOVE THE CEILING TO ANOTHER FLUSH MOUNTED JUNCTION BOX WITH A DOOR LOCATED ON THE WALL NEXT TO THE PROJECTOR SCREEN. THE FINISH AND FINAL LOCATION OF THE JUNCTION BOX SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.

REVISIONS	
NO.	DATE
1	04-30-09
ADDENDUM COORD.	

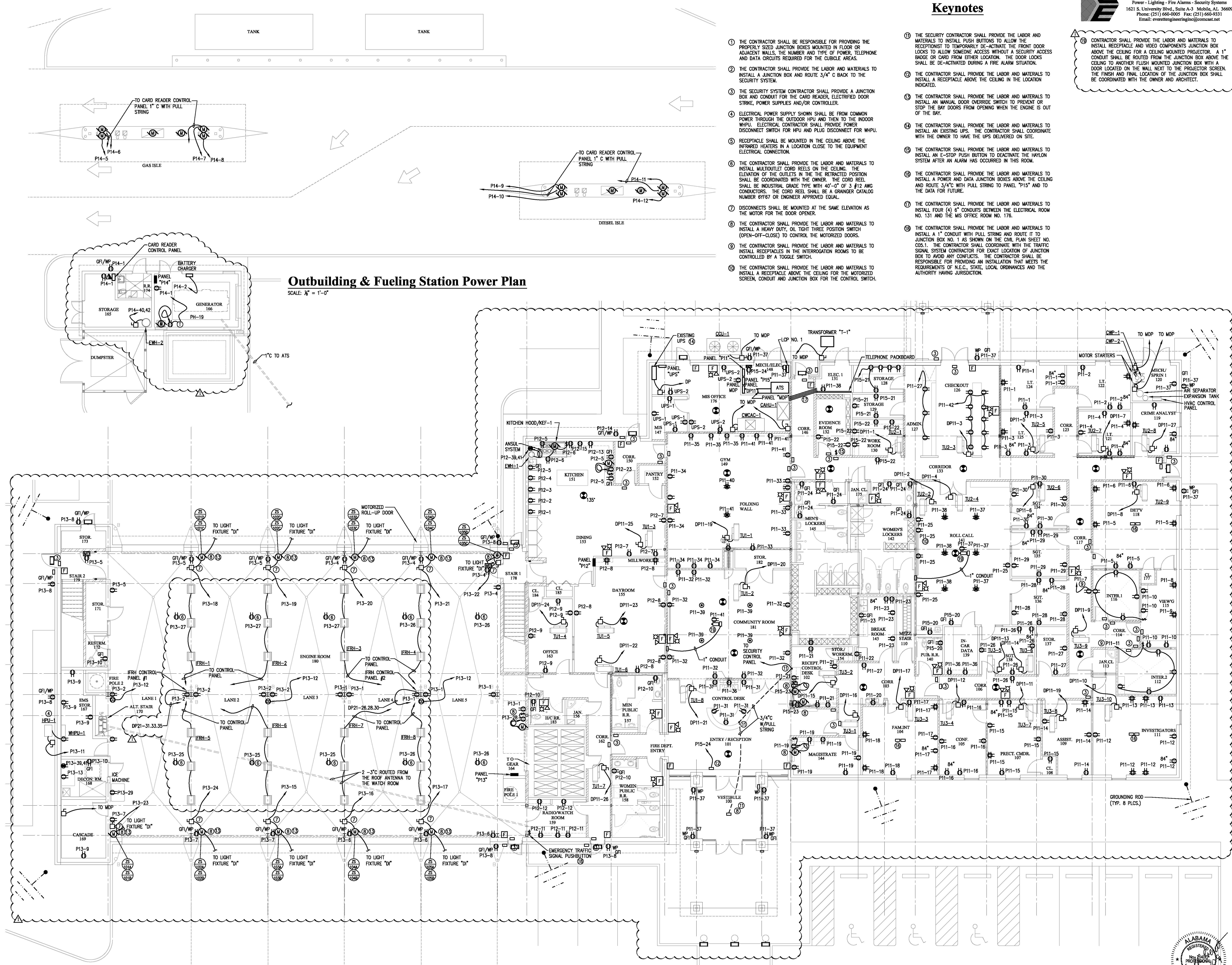
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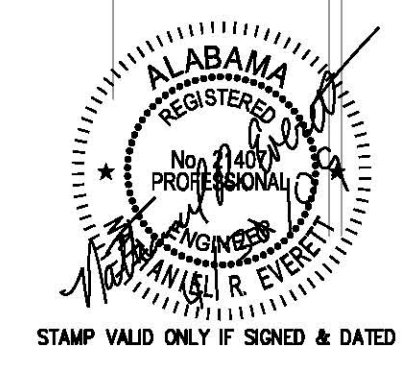
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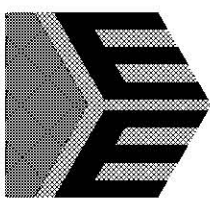
PROJ. NO.: 2706
DATE: 12/22/08
TITLE: First Floor Power
SHEET: E-2.1

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FILE: Electrical.dwg

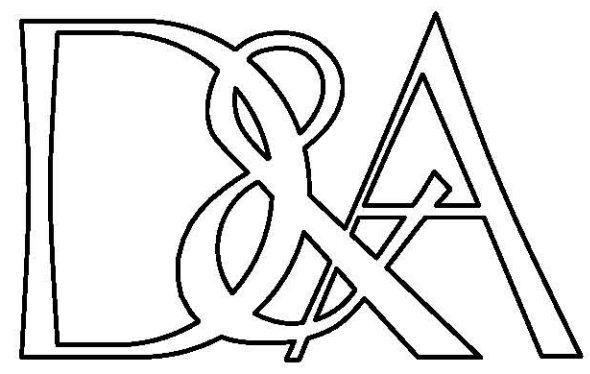


First Floor Power Plan
SCALE: 1/8" = 1'-0"





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PROJ. NO.: 2706
DATE: 12/22/08
TITLE: First Floor Lighting
SHEET: E-2.3

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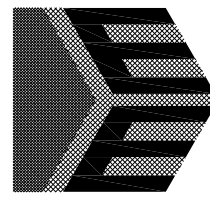
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO WIRE THE FIXTURE TO BE CONTROLLED BY THE SAME SWITCH LOCATED IN THIS AREA. FINAL SWITCHING PATTERN SHALL BE COORDINATED WITH THE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO ROUTE THE INDICATED LIGHTING CIRCUIT THROUGH THE TONE ALERT CONTROL PANEL. THE TONE ALERT CONTROL PANEL SHALL TURN THE LIGHTS FOR MINIMUM OF 90 SECONDS.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO PROVIDE OCCUPANCY SWITCHES TO CONTROL THE LIGHTS AND EXHAUST FANS IN THE WOMEN AND MEN TOILETS AREAS. THE SENSOR SHALL BE A WATT STOPPER MODEL NO. UW-200-W OR ENGINEER APPROVED EQUAL.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO WIRE THE FIXTURE TO BE CONTROLLED BY THE SAME SWITCH LOCATED IN THIS AREA. FINAL SWITCHING PATTERN SHALL BE COORDINATED WITH THE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO WIRE THE FIXTURE TO BE CONTROLLED BY THE SAME SWITCH LOCATED IN THIS AREA. FINAL SWITCHING PATTERN SHALL BE COORDINATED WITH THE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO WIRE THE FIXTURE TO BE CONTROLLED BY THE SAME SWITCH LOCATED IN THIS AREA. FINAL SWITCHING PATTERN SHALL BE COORDINATED WITH THE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL DUAL OCCUPANCY SENSORS TO CONTROL THE LIGHTS AND EXHAUST FANS. THE SWITCHES SHALL BE INSTALLED IN A LOCATION THAT WILL PROVIDE EFFECTIVE COVERAGE OF THE AREA LIGHTS AND EXHAUST FANS THAT IT CONTROLS. THE SENSORS SHALL BE WATTSTOPPER MODEL NO. 200 OR APPROVED EQUAL. FINISH COLOR SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.

Outbuilding & Fueling Station Lighting Plan

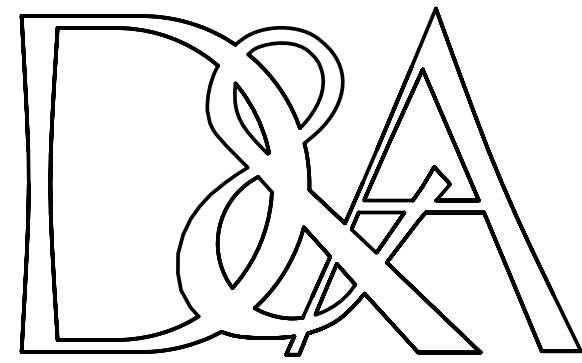
SCALE: 1/8" = 1'-0"

First Floor Lighting Plan

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



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PROJ. NO.: 2706

DATE: 12/22/08

TITLE: Electrical Riser

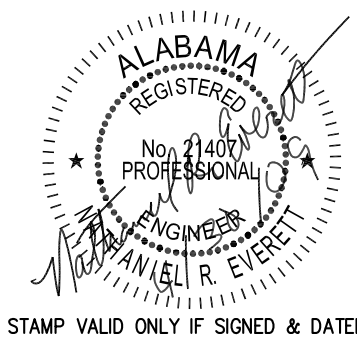
SHEET: E-3.1

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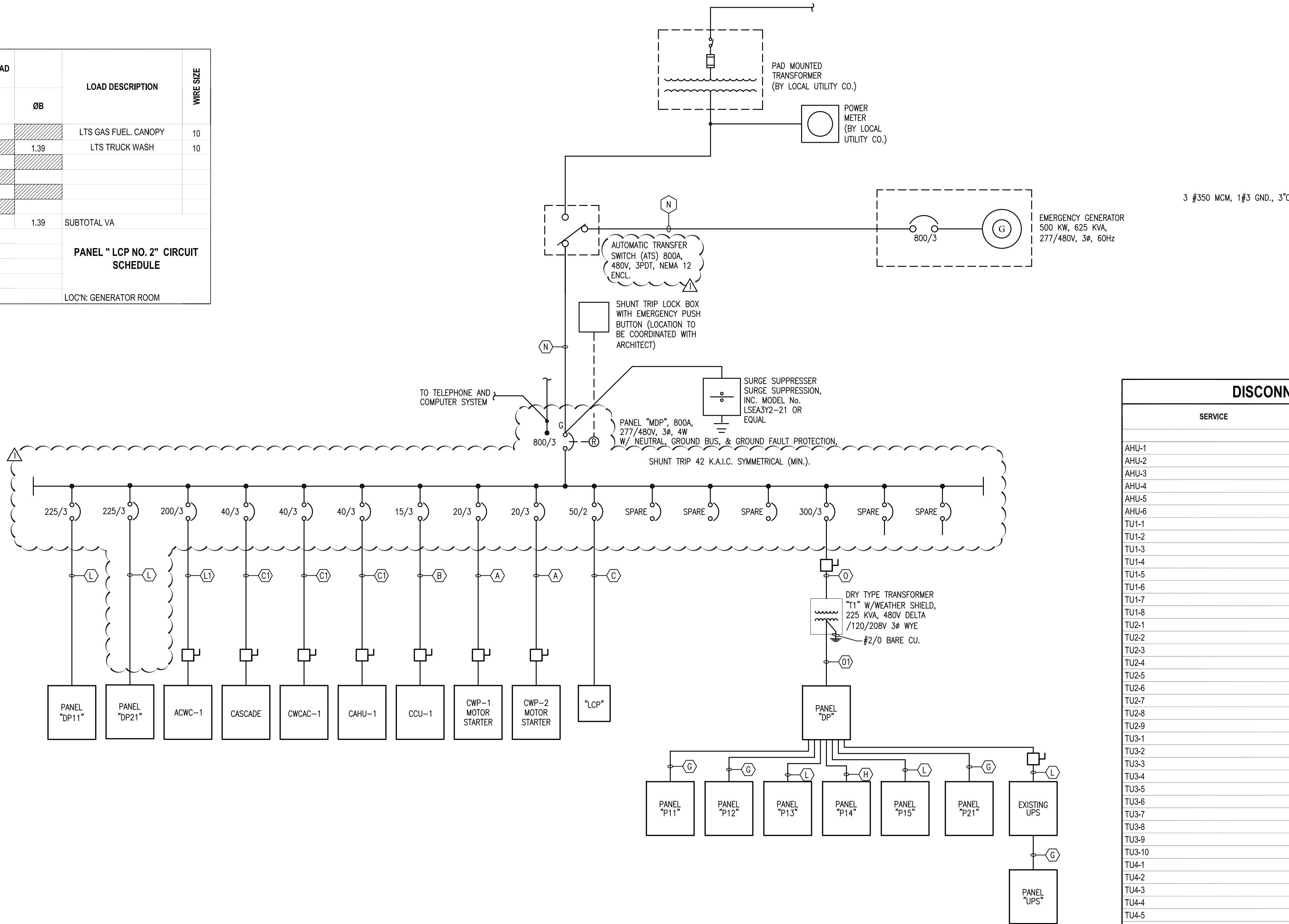
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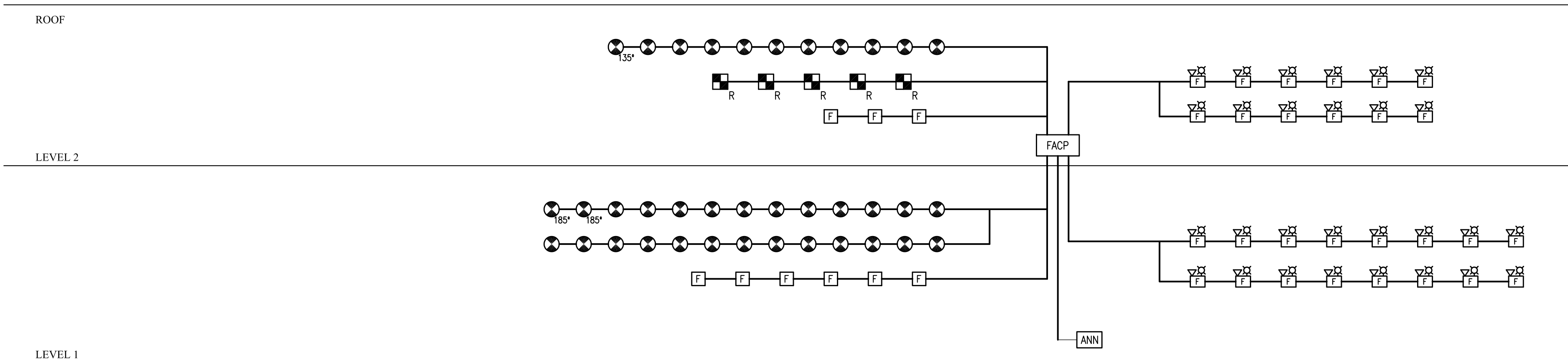
LOAD DESCRIPTION	WIRE SIZE	KVA LOAD		CKT NO.	BKR. TRIP	L1 L2	BKR. TRIP	CKT NO.	KVA LOAD		LOAD DESCRIPTION	WIRE SIZE
		ØA	ØB						ØA	ØB		
LTS WEST PARKING	10	2.49		1	20							

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD		CKT NO.	BKR. TRIP	L1		L2		BKR. TRIP	CKT NO.	KVA LOAD		LOAD DESCRIPTION	WIRE SIZE
		ØA	ØB									ØA	ØB		
LTS BLDG EXTERIOR	12	0.22		1	20					25	2	2.22		LTS GAS FUEL CANOPY	10
LTS DIESEL FUEL CANOPY			2.22	3	25					20	4		1.39	LTS TRUCK WASH	10
LTS TRUCK WASH	10	1.39		5	20					20	6				
				7	20					20	8				
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Electrical One-Line Diagram

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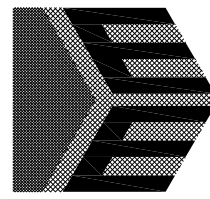


Fire Alarm Riser Diagram

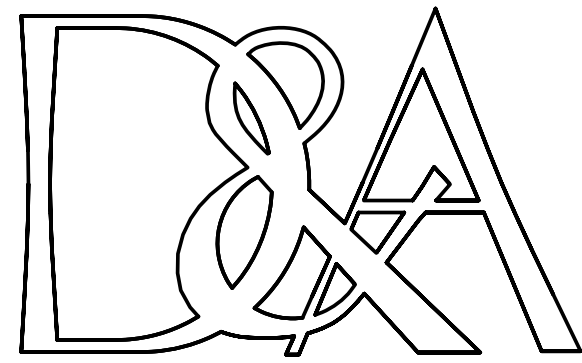
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DISCONNECT SWITCH SCHEDULE					
SERVICE	AMPERE	VOLTAGE	NO. POLES	FUSE TYPE	ENCLOSURE TYPE
AHU-1	30	480	3	NON	NEMA 1
AHU-2	30	480	3	NON	NEMA 1
AHU-3	30	480	3	NON	NEMA 1
AHU-4	30	480	3	NON	NEMA 1
AHU-5	30	480	3	NON	NEMA 1
AHU-6	30	240	2	NON	NEMA 1
TU1-1	30	277	2	NON	NEMA 1
TU1-2	30	277	2	NON	NEMA 1
TU1-3	30	277	2	NON	NEMA 1
TU1-4	30	277	2	NON	NEMA 1
TU1-5	30	277	2	NON	NEMA 1
TU1-6	30	277	2	NON	NEMA 1
TU1-7	30	277	2	NON	NEMA 1
TU1-8	30	277	2	NON	NEMA 1
TU2-1	30	277	2	NON	NEMA 1
TU2-2	30	277	2	NON	NEMA 1
TU2-3	30	277	2	NON	NEMA 1
TU2-4	30	277	2	NON	NEMA 1
TU2-5	30	277	2	NON	NEMA 1
TU2-6	30	277	2	NON	NEMA 1
TU2-7	30	277	2	NON	NEMA 1
TU2-8	30	277	2	NON	NEMA 1
TU2-9	30	277	2	NON	NEMA 1
TU3-1	30	277	2	NON	NEMA 1
TU3-2	30	277	2	NON	NEMA 1
TU3-3	30	277	2	NON	NEMA 1
TU3-4	30	277	2	NON	NEMA 1
TU3-5	30	277	2	NON	NEMA 1
TU3-6	30	277	2	NON	NEMA 1
TU3-7	30	277	2	NON	NEMA 1
TU3-8	30	277	2	NON	NEMA 1
TU3-9	30	277	2	NON	NEMA 1
TU3-10	30	277	2	NON	NEMA 1
TU4-1	30	277	2	NON	NEMA 1
TU4-2	30	277	2	NON	NEMA 1
TU4-3	30	277	2	NON	NEMA 1
TU4-4	30	277	2	NON	NEMA 1
TU4-5	30	277	2	NON	NEMA 1
TU5-1	30	277	2	NON	NEMA 1
TU5-2	30	277	2	NON	NEMA 1
TU5-3	30	277	2	NON	NEMA 1
TU5-4	30	277	2	NON	NEMA 1
TU5-5	30	277	2	NON	NEMA 1
AWC-1	400	480	3	NON	NEMA 3R
CWCAC-1	60	480	3	NON	NEMA 1
CAHU-1	60	480	3	NON	NEMA 1
CCU-1	30	480	3	NON	NEMA 1
WHPL-1/HPJ-1	30	120	2	NON	NEMA 3R
CWP-1	30	480	3	NON	NEMA 3R
CWP-2	30	480	3	NON	NEMA 3R
EF-1	30	480	3	NON	NEMA 1
EF-2	30	480	3	NON	NEMA 1
CASCADE EQUIPMENT	30	480	3	NON	NEMA 1
SOUTH BAY NO. 1 MOTORIZED DOOR	30	120	1	NON	NEMA 1
NORTH BAY NO. 1 MOTORIZED DOOR	30	120	1	NON	NEMA 1
SOUTH BAY NO. 2 MOTORIZED DOOR	30	120	1	NON	NEMA 1
NORTH BAY NO. 2 MOTORIZED DOOR	30	120	1	NON	NEMA 1
SOUTH BAY NO. 3 MOTORIZED DOOR	30	120	1	NON	NEMA 1
NORTH BAY NO. 3 MOTORIZED DOOR	30	120	1	NON	NEMA 1
SOUTH BAY NO. 4 MOTORIZED DOOR	30	120	1	NON	NEMA 1
NORTH BAY NO. 4 MOTORIZED DOOR	30	120	1	NON	NEMA 1
SOUTH BAY NO. 5 MOTORIZED DOOR	30	120	1	NON	NEMA 1
NORTH BAY NO. 5 MOTORIZED DOOR	30	120	1	NON	NEMA 1
SOUTH MOTORIZED GATE	30	120	1	NON	NEMA 3R
NORTH MOTORIZED GATE	30	120	1	NON	NEMA 3R
EWI-2	30	208	1	NON	NEMA 1
TRANSFORMER "T1"	400	208	3	NON	NEMA 3R

NOTE: CONTRACTOR SHALL COORDINATE EXACT SIZES WITH ACTUAL EQUIPMENT BEING INSTALLED.



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NO. DATE
1 04-30-09 ADDENDUM COORD.

PUBLIC SAFETY COMPLEX
CITY OF MOBILE, Project No. MX-015-08
MOBILE, ALABAMA

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REFERENCE TO AND USE OF THIS DRAWING IS NOT AUTHORIZED UNLESS UNDER THE DIRECTION OF THE GENERAL CONTRACTOR. DEFINITION OF THE SCOPE OF THE WORK SHALL NOT BE MADE BY REFERENCE TO ONLY THIS SHEET. CONSULT THE COMPLETE SET OF CONTRACT DOCUMENTS.

PROJ. NO.: 2706

DATE: 12/22/08

TITLE: ELECTRICAL PANEL SCHEDULES

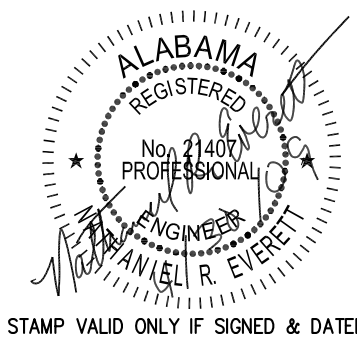
SHEET: E-5.0

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

FILE: E-5.0-1.dwg



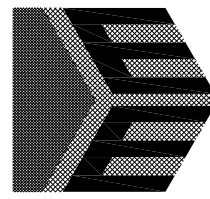
STAMP VALID ONLY IF SIGNED & DATED

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE		
		ØA	ØB	ØC						ØA	ØB	ØC				
PANEL "P11"	2	7.10			1	100		100	2	7.44			PANEL "P12"	2		
			7.10		3	3P		3P	4		7.44				2	
				7.10	5	3P		3P	6			7.44			2	
PANEL "P21"	2	7.27			7	100			225	8	9.47			PANEL "P15"	4/0	
			7.27		9	3P			3P	10		9.47				4/0
				7.27	11	3P			3P	12			9.47			4/0
PANEL "P13"	4/0	15.35			13	225			15	14	2.02			AHU1-1	12	
			15.35		15	3P			3P	16		2.02				12
				15.35	17	3P			3P	18			2.02			12
AHU1-2	4/0	2.02			19	15			15	20	1.27			AHU2-1	12	
			2.02		21	3P			3P	22		1.27				12
				2.02	23	3P			3P	24			1.27			12
AHU2-2	12	0.90			25	15		15	26	0.90			AHU2-3	12		
			0.90		27	3P		3P	28		0.90				12	
				0.90	29	3P		3P	30			0.90			12	
TU2-1A	12	3.00			31	15		15	32	3.00			TU2-1J	12		
CHILL MSTR CNTRL PNL	12		0.50		33	20			34							
					35			36								
					37	100		125	38	11.13						
EXISTING UPS	3	19.20			39	3P		3P	40		11.13		PANEL "P14"	1		
			19.20		41	3P		3P	42			11.13			1	
				19.20	41	3P										
SUBTOTAL VA:		54.84	52.34	51.84	NEUT.			35.23 32.23			32.23 SUBTOTAL VA					
VOLTAGE SOURCE: PANEL "MDP"														TOTAL KVA ØA: 90.07		
VOLTAGE: 120/208														TOTAL KVA ØB: 84.57		
TOTAL CKTS: 42														TOTAL KVA ØC: 84.07		
TRIM: SURFACE														TOTAL CONN. KVA: 258.71		
INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL														EST. DEMAND: 718.11		
														PANEL "DP" CIRCUIT SCHEDULE		
														LOCATION: ELECTRICAL ROOM		

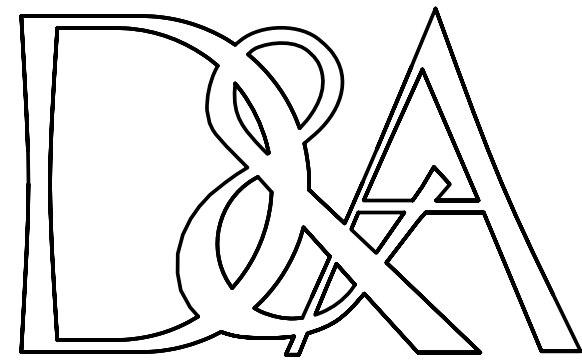
LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE	
		ØA	ØB	ØC						ØA	ØB	ØC			
TU2-1	10	4.00			1	20	●		20	2	4.00		TU2-2	10	
TU2-3	10		3.00		3	15	●		20	4		4.00	TU2-4	10	
TU2-5	12			3.00	5	15	●	●	15	6			3.00	TU2-6	12
TU2-7	12	2.00			7	15	●		15	8	3.00		TU2-9	10	
TU3-9	12		3.00		9	15	●	●	15	10		3.00	TU3-10	12	
TU3-7	12			2.00	11	15	●	●	15	12			3.00	TU3-4	10
TU3-5	12	3.00			13	15	●	●	15	14	3.00		TU3-6	10	
TU3-2	12		3.00		15	15	●		15	16		2.00	TU3-1	10	
TU3-3	12			3.00	17	15	●	●	25	18			5.00	TU1-1	8
TU3-8	12	2.00			19	15	●	●	20	20	4.00		TU1-2	10	
TU1-8	10		4.00		21	20	●	●	15	22		3.00	TU1-6	10	
TU1-5	10			4.00	23	20	●	●	15	24			2.00	TU1-4	12
TU1-3	8	5.00			25	25	●	●	15	26	3.00		TU1-7	12	
EF-1					27		●	●	28						
					29		●	●	30						
					31		●	●	32						
					33		●	●	34						
					35		●	●	36						
					37	15	●	●	38						
			0.83		39	3P	●	●	40						
				0.83	41	3P	●	●	42						
SUBTOTAL VA:		16.83	13.83	12.83	NEUT.			17.00 12.00 13.00			SUBTOTAL VA				
VOLTAGE SOURCE: PANEL "MDP"					TOTAL KVA ØA:			33.83			PANEL "DP11" CIRCUIT SCHEDULE				
VOLTAGE: 277/480		MAIN: LUGS ONLY			TOTAL KVA ØB:			25.83							
TOTAL CKTS: 42		PHASE: 3			TOTAL KVA ØC:			25.83							
TRIM: SURFACE					TOTAL CONN. KVA:			75.49							
INTERRUPT RATING: 22,000 A.I.C. SYMMETRICAL					EST. DEMAND:			90.80						LOCATION: ELEC/MECH. ROOM	

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE		
		ØA	ØB	ØC						ØA	ØB	ØC				
TU4-1	12	3.00			1	15	●		15	2	3.00		TU4-2	12		
TU4-3	12		3.00		3	15		●	15	4		3.00	TU4-4	12		
TU4-5	12			2.00	5	15			15	6			TU5-5	12		
TU5-4	12	2.00			7	15	●		15	8	3.00		TU5-3	12		
TU5-2	12		3.00		9	15		●	15	10		3.00	TU5-1	12		
					11			●	12							
					13				14							
					15				16							
					17			●	18							
					19				20							
					21				22							
					23			●	24							
					25			●	100	26	19.20		BAY HTRS 13 THRU 24 CONTROL PANEL	3		
					27			●	3P	28		19.20			3	
					29			●	3P	30				19.20	3	
					31	100		●	15	32	0.83					
BAY HTRS 1 THRU 12 CONTROL PANEL	3	19.20			33	3P		●	3P	34		0.83	EF-2	12		
	3			19.20	35	3P		●	3P	36				0.83	12	
	3				37	15		●	15	38	0.90			12		
AHU-4	12	0.90			39	3P		●	3P	40		0.90	AHU-5	12		
	12		0.90		41	3P		●	3P	42				0.90	12	
SUBTOTAL VA:		25.10	26.10	22.10	NEUT.			26.93 26.93 22.93			SUBTOTAL VA					
VOLTAGE SOURCE: PANEL "MDP"					MAIN: LUGS ONLY			TOTAL KVA ØA:			52.03			PANEL "DP21" CIRCUIT SCHEDULE		
VOLTAGE: 277/480								TOTAL KVA ØB:			53.03					
TOTAL CKTS: 42					PHASE: 3			TOTAL KVA ØC:			45.03					
TRIM: SURFACE								TOTAL CONN. KVA:			143.34					
INTERRUPT RATING: 22,000 A.I.C. SYMMETRICAL								EST. DEMAND:			172.41			LOCATION: ELEC/MECH. ROOM		

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE	
		ØA	ØB	ØC						ØA	ØB	ØC			
REC RM 124	12	0.72			1	20	•		20	2	0.72		REC RM 122	12	
REC RM 125	12		0.90		3	20	•	•	20	4		0.90	REC RM 121	12	
REC RM 118	12			0.90	5	20	•		20	6			0.90	REC RM 118	12
REC RM 116	12	0.90			7	20	•	•	20	8	0.36		REC RM 115	12	
REC RM 115	12		0.36		9	20	•		20	10		0.72	REC RM 115	12	
REC RM 112	12			0.72	11	20	•		20	12			1.08	REC RM 111	12
REC RM 111	12	0.90			13	20	•		20	14	0.90		REC RM 109	12	
REC RM 107	12		1.08		15	20	•		20	16		0.72	REC RM 105	12	
REC RM 104	12			1.08	17	20	•		20	18			1.08	REC RM 104	12
REC RM 144	12	0.72			19	20	•		20	20	0.45		WTR COOLER	12	
REC RM 102	12			0.72	21	20	•		20	22		1.42	RM 143 REFRIGERATOR	12	
REC RM 143	12			0.72	23	20	•		20	24			1.80	REC RMS 142,143,145	12
REC RM 141	12	0.72			25	20	•		20	26	0.72		REC RM 138	12	
REC. CHKOUT RM 126	12		0.72		27	20	•		20	28		0.72	REC RM 136	12	
REC RM 135	12			0.72	29	20	•		20	30			0.72	REC RM 134	12
REC RM 101	12	0.54			31	20	•		20	32	1.26		REC RM 181	12	
REC RM 149	12		0.54		33	20	•		20	34		0.54	REC RM 149	12	
REC RM 149	12			0.36	35	20	•		20	36			0.36	REC RM 139	12
REC BLDG EXT/MECH #120	12	1.62			37	20	•		20	38	0.18		REC TELEPHONE BK BRD	12	
EAST MOTORIZED GATE	10		1.18		39	20	•		20	40		0.18	REC RM 149	12	
REC RM 149	10			0.72	41	20	•		20	42		1.80	REC CHKOUT RM 126	12	
SUBTOTAL VA:		6.12	5.50	5.22			NEUT.				4.59	5.20	7.74	SUBTOTAL VA	
VOLTAGE SOURCE: PANEL "DP"						TOTAL KVA ØA:			10.71						
VOLTAGE: 120/208						TOTAL KVA ØB:			10.70						
TOTAL CKTS: 42						TOTAL KVA ØC:			12.96						
TRIM: SURFACE						TOTAL CONN. KVA:			21.31						
INTERUPT RATING: 10,000 A.I.C. SYMMETRICAL						EST. DEMAND:			59.15						
														PANEL "P11"	
														CIRCUIT SCHEDULE	
														LOCATION: ELECTRICAL ROOM	



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Power - Lighting - Fire Alarms - Security Systems
1621 S. University Blvd., Suite A-3 Mobile, AL 36609
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REVISIONS		
NO.	DATE	
1	04-30-09	ADDENDUM COORD.

PUBLIC SAFETY COMPLEX
CITY OF MOBILE, Project No. MX-015-08
MOBILE, ALABAMA

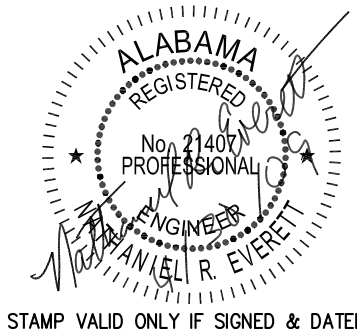
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PROJ. NO.: 2706
DATE: 12/22/08
TITLE: ELECTRICAL PANEL SCHEDULES

SHEET: E-5.1

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
FILE: E-5.0-1.dwg



STAMP VALID ONLY IF SIGNED & DATED

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE	
		ØA	ØB	ØC						ØA	ØB	ØC			
REC. ENGINE RM 180	12	0.90			1	20			20	2	0.90		REC. ENGINE RM 180	12	
REC. IFRH-1 THRU 5	12		0.50		3	20			20	4		0.54	REC. ENGINE RM 180	12	
REC. ENGINE RM 180	12			0.54	5	20			20	6		0.54	REC. ENGINE RM 180	12	
REC. ENGINE RM 180	12	0.54			7	20			20	8	1.08		REC W. BLDG EXTERIOR	12	
REC. RMS 167 & 168	12		0.72		9	20			20	10		0.36	REC. RESTRM 172	12	
WHPU/HPU-1	10			1.15	11	15			20	12		0.30	CO2 MONITORS	12	
DECON. RM WASHER	10	1.44			13	20			20	14	1.18		S. MOTORIZED GATE	10	
BAY #3 S. DOOR MTR	12		1.92		15	20			20	16		1.92	BAY #4 S. DOOR MTR	12	
BAY #5 S. DOOR MTR	12			1.92	17	20			20	18		1.92	BAY #1 N. DOOR MTR	12	
BAY #2 N. DOOR MTR	12	1.92			19	20			20	20	1.92		BAY #3 N. DOOR MTR	12	
BAY #4 N. DOOR MTR	12		1.92		21	20			20	22		1.92	BAY #5 N. DOOR MTR	12	
BAY #1 S. DOOR MTR	12			1.92	23	20			20	24		1.92	BAY #2 S. DOOR MTR	12	
REC. ENGINE RM 180	12	0.54			25	20			20	26	0.72		REC. ENGINE RM 180	12	
REC. ENGINE RM 180	12		0.54		27	20			20	28		1.18	RM 164 DOOR MTR	12	
RM 180 ICE MACHINE	12			1.22	29	20			25	30		2.28	LTGS ENGINE RM 180	10	
LTS ENGINE RM 180	12	2.13			31	20			25	32	1.21		LTGS ENGINE RM 180	10	
LTS RMS 167-173, 179	12		1.76		33	20			20	34		0.00	LTS ENGINE RM 180	12	
					35				36						
					37				38						
DECON. RM DRYER	8		2.29		39	30			40						
	8			2.29	41	2P			42						
SUBTOTAL VA:		7.47	9.65	9.04			NEUT.				7.01	5.92	6.96	SUBTOTAL VA	
VOLTAGE SOURCE: PANEL "DP"															
VOLTAGE: 120/208					MAIN: LUGS ONLY				TOTAL KVA ØA:		14.48				
TOTAL CKTS: 42					PHASE: 3				TOTAL KVA ØB:		15.57				
TRIM: SURFACE									TOTAL KVA ØC:		16.00				
INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL									TOTAL CONN. KVA:		46.05				
									EST. DEMAND:		127.82		LOCATION: ENGINE ROOM 180		

PANEL "P13"
CIRCUIT SCHEDULE

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE		
		ØA	ØB	ØC						ØA	ØB	ØC				
REC RMS 165-166, 174	12	0.54			1	20	●		20	2	0.45		GEN. BATT. CHARGER	12		
GEN. BLOCK HEATER	12		0.50		3	20	●		20	4		0.77	LTS RMS 165-166, 164	12		
GAS PUMP NO. 1	12			1.92	5	20	●	●	20	6		1.92	GAS PUMP NO. 2	12		
GAS PUMP NO. 3	12	1.92			7	20	●		20	8	1.92		GAS PUMP NO. 4	12		
DIESEL PUMP NO. 1	12		1.92		9	20	●		20	10		1.92	DIESEL PUMP NO. 2	12		
DIESEL PUMP NO. 3	12			1.92	11	20	●	●	20	12		1.92	DIESEL PUMP NO. 4	12		
OIL PUMP NO. 1	12	1.92			13	20	●		20	14	1.92		OIL PUMP NO. 2	12		
AIR PUMP NO. 1	12		1.92		15	20	●		20	16		1.92	AIR PUMP NO. 2	12		
OIL & WTR SEP. PNL	12			0.30	17	20	●		20	18		0.36	REC TRUCK WASH	12		
					19		●		20							
					21		●		22							
					23		●		24							
					25		●		26							
					27		●		28							
					29		●	●	30							
					31		●		32							
					33		●		34							
					35		●		36							
					37		●		38							
LIGHTING CONTROL PANEL NO. 2	8		3.72		39	50	●	●	20	40		0.75	EWH-2	12		
	8			3.72	41	2P	●		20	42		0.75		12		
SUBTOTAL VA:		4.38	8.06	7.86			NEUT.				4.29	5.36	4.95	SUBTOTAL VA		
VOLTAGE SOURCE: PANEL "DP"															TOTAL KVA ØA: 8.67	
VOLTAGE: 120/208															TOTAL KVA ØB: 13.42	
TOTAL CKTS: 42															TOTAL KVA ØC: 12.81	
TRIM: SURFACE															TOTAL CONN. KVA: 33.40	
INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL															EST. DEMAND: 92.71	
															LOCATION: EXTERIOR BLDG.	
															PANEL "P14" CIRCUIT SCHEDULE	

PANEL "P14"
CIRCUIT SCHEDULE

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE	
		ØA	ØB	ØC						ØA	ØB	ØC			
LTS RMS 104, 144	12	1.00			1	20	●		20	2	1.10		LTS RMS 105,107,109	12	
LTS RMS 111-113	12		1.35		3	20	●	●	20	4		1.51	LTS RMS 115-116,118,177	12	
LTS CORR. 106, 117	12			1.04	5	20	●		20	6			LTS RMS 141	12	
LTS RMS 119-122, 124,125	12	1.56			7	20	●		20	8	1.28		LTS RM 126	12	
LTS RMS 142, 175	12		1.60		9	20	●	●	20	10		1.79	LTS RM 145	12	
LTS CORR. 103	12			0.79	11	20	●		20	12		1.48	LTS RM 181	12	
LTS RM 100-101	12	1.55			13	20	●		20	14	1.74		LTS RM 149	12	
LTS RMS 147-148, 176	12		1.14		15	20	●		20	16		1.61	LTS CORR. 123,133, 146	12	
LTS RM 128-131	12			1.28	17	20	●		20	18		1.28	LTS RMS 134-138	12	
LT RM 102,110,140,142,154	12	1.09			19	20	●		20	20	0.54		REC RMS 140-141	12	
REC RMS 128-129	12				21	20	●		20	22		1.26	REC RMS 130, 132	12	
RM 102 DOOR MOTORS	12				23	20	●	●	20	24		0.50	FACP	12	
					25		●		26						
					27		●		28						
					29		●		30						
					31		●		32						
					33		●		34						
					35		●		36						
					37		●	●	38						
					39		●		40						
					41		●		42						
SUBTOTAL VA:		5.20	4.10	3.11			NEUT.				4.66	6.16	5.17	SUBTOTAL VA	
VOLTAGE SOURCE: PANEL "DP"							TOTAL KVA ØA:				9.86				
VOLTAGE: 120/208					MAIN: LUGS ONLY		TOTAL KVA ØB:				10.26				
TOTAL CKTS: 42		AMPS: 225			PHASE: 3		TOTAL KVA ØC:				8.28				
TRIM: SURFACE							TOTAL CONN. KVA:				28.40				
INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL							EST. DEMAND:		78.83				LOCATION: ELEC. ROOM 148		

PANEL "P15"
CIRCUIT SCHEDULE

LOAD DESCRIPTION	WIRE SIZE	KVA LOAD			CKT NO.	BKR. TRIP	MAIN	BKR. TRIP	CKT NO.	KVA LOAD			LOAD DESCRIPTION	WIRE SIZE
		ØA	ØB	ØC						ØA	ØB	ØC		
REC. RM 147	12	0.72			1	20			20	2	1.08		REC RM 176	12
					3	20			20	4				
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
SUBTOTAL VA:		0.72	0.00	0.00				NEUT.				SUBTOTAL VA		
VOLTAGE SOURCE: PANEL "DP"								TOTAL KVA ØA:			1.80			
VOLTAGE: 120/208					MAIN: 80			TOTAL KVA ØB:			0.00			
TOTAL CKTS: 42					PHASE: 3			TOTAL KVA ØC:			0.00			
TRIM: SURFACE								TOTAL CONN. KVA:			1.80			
INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL								EST. DEMAND:			5.00			
											LOCATION: MIS OFFICE RM 176			
PANEL "UPS" CIRCUIT SCHEDULE														