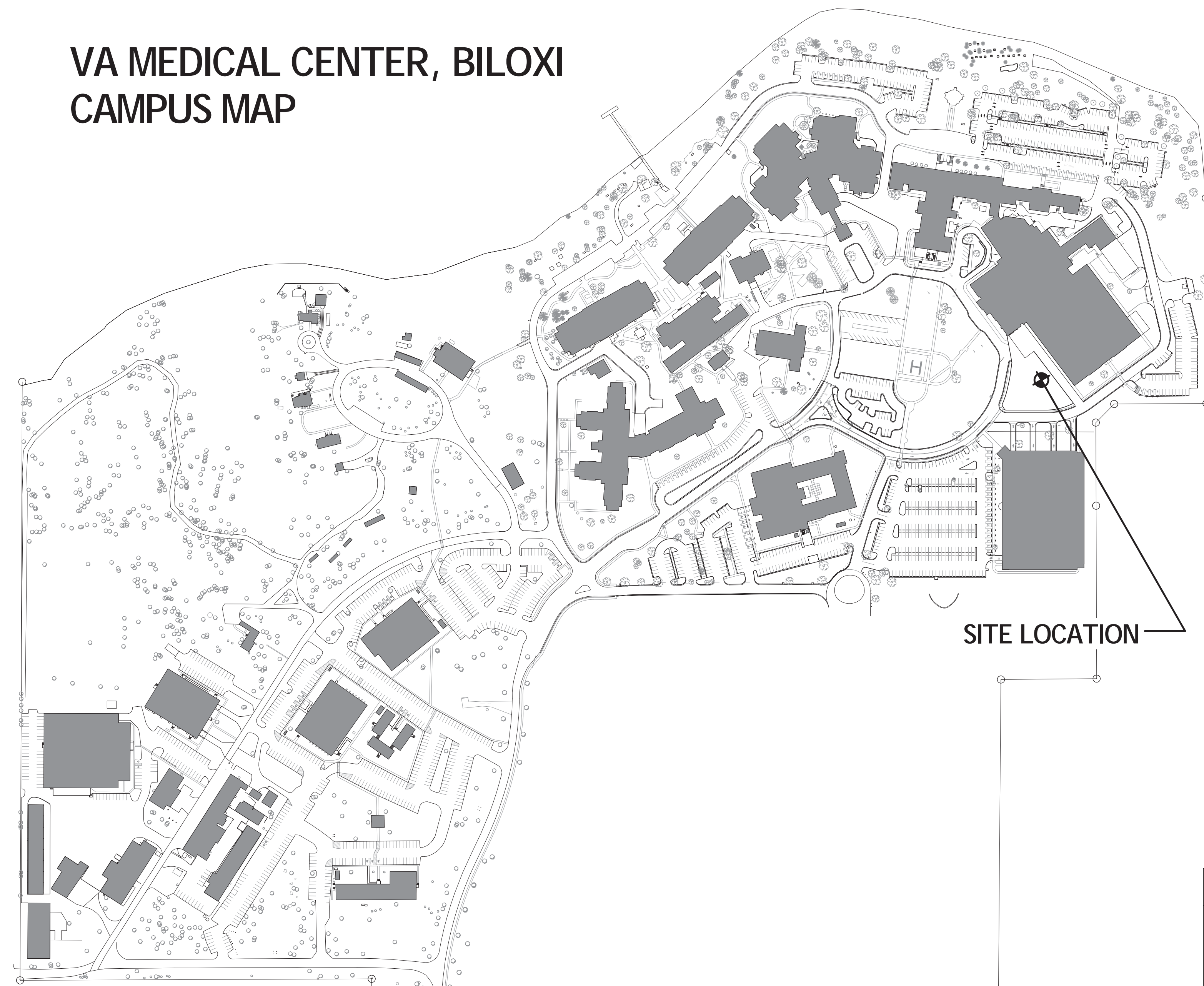


# VA MEDICAL CENTER, BILOXI CAMPUS MAP



# VA GULF COAST VETERANS HEALTH CARE SYSTEM DECONTAMINATION UNIT

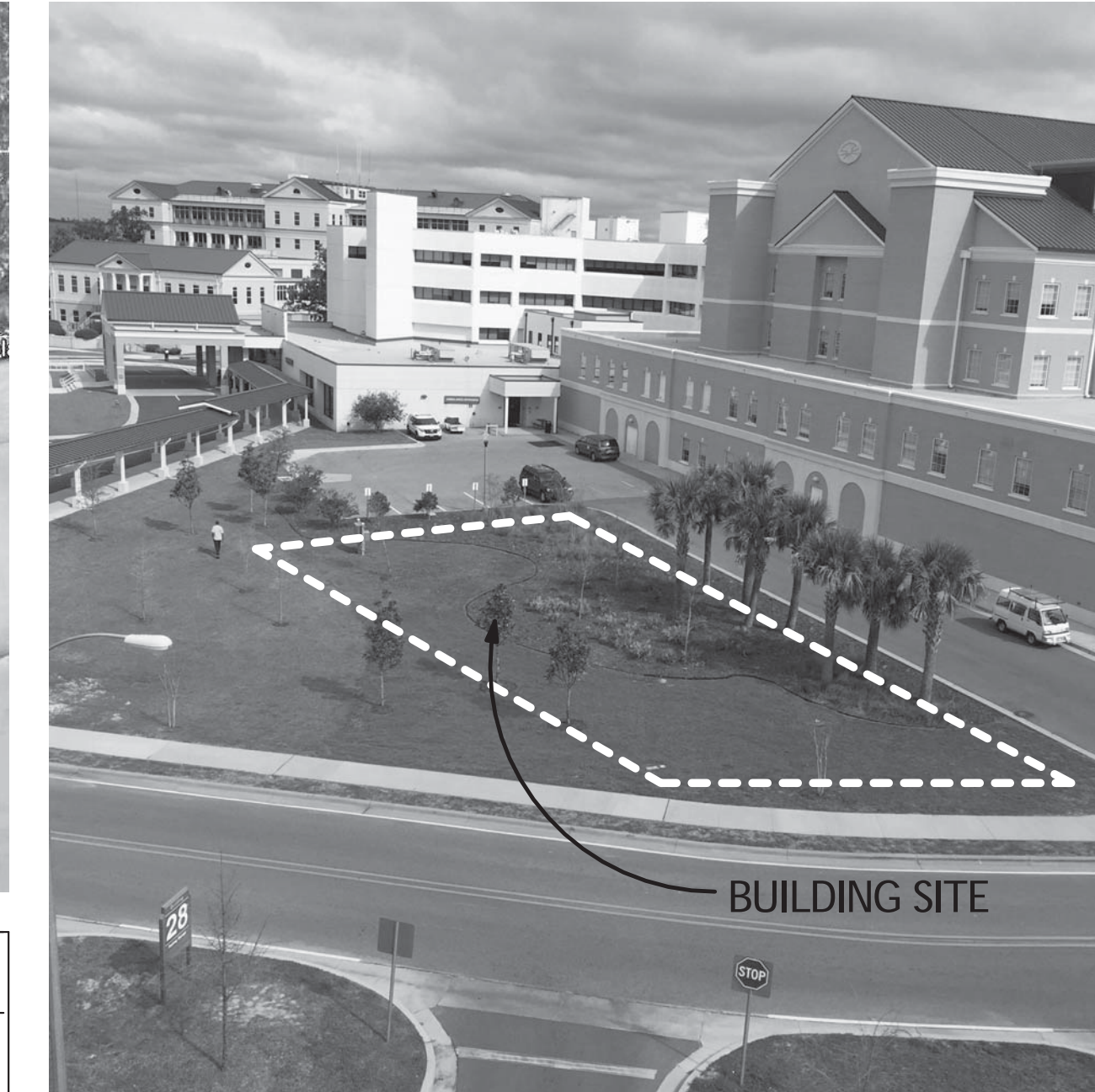
400 VETERANS AVENUE  
BILOXI, MISSISSIPPI 39531

FOR CONSTRUCTION

LOCATION MAP



VICINITY MAP



SITE LOCATION

## ENGINEERS

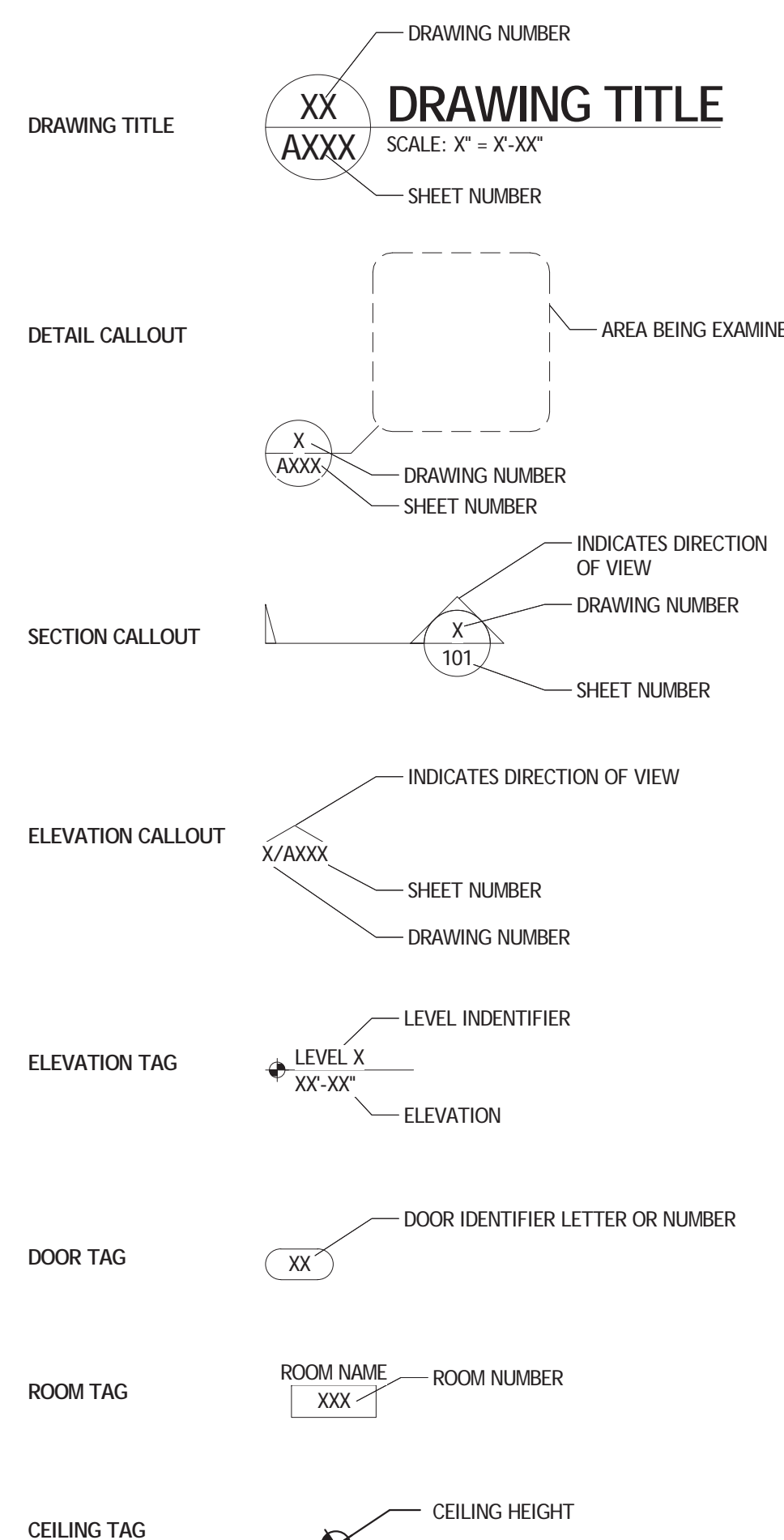
ROYAL ENGINEERS & CONSULTANTS, LLC  
4298 ELYSIAN FIELDS AVENUE, SUITE B  
NEW ORLEANS, LOUISIANA 70122  
(504) 283-9400  
www.royalengineering.net

## MEP CONSULTANTS

BURK-KLEINPETER, INC.  
4176 CANAL STREET  
NEW ORLEANS, LOUISIANA 70119  
(504) 486-5901  
www.bkiusa.com

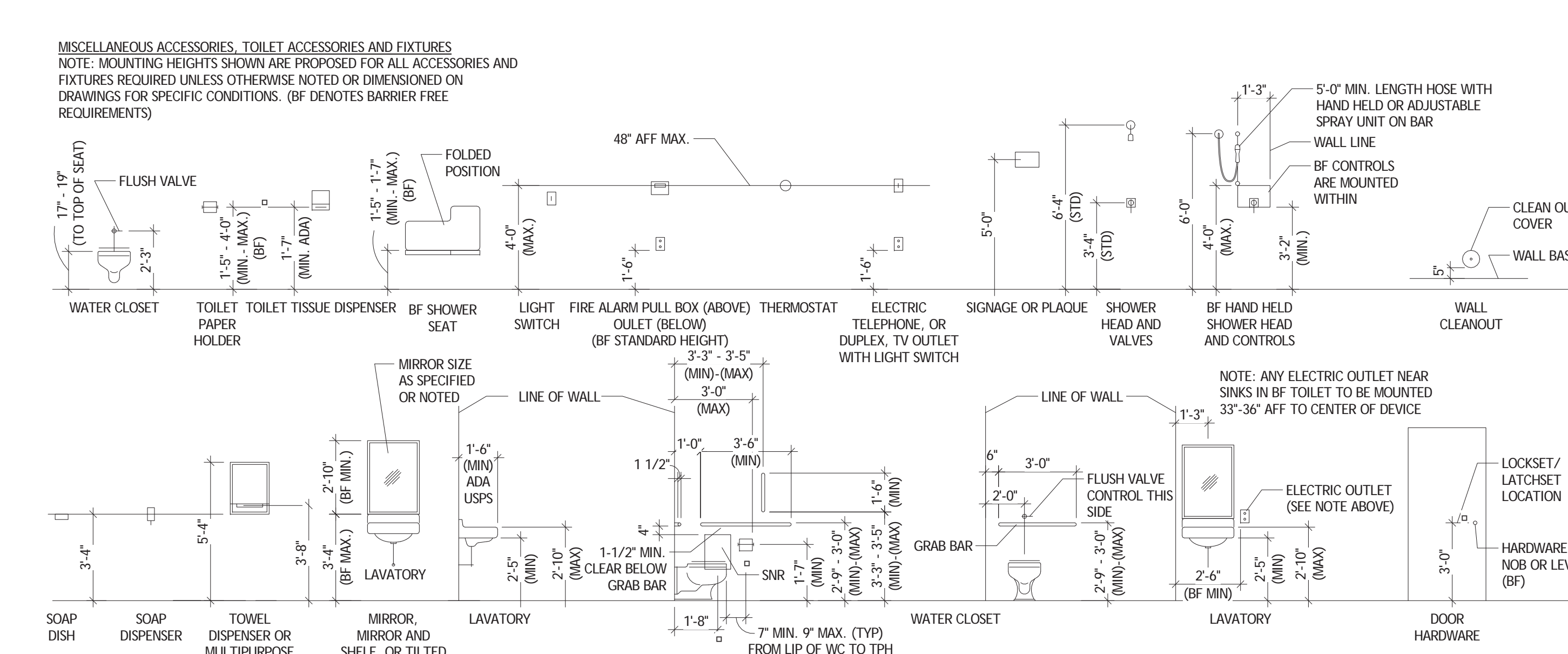
three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

## SYMBOLS AND TAGS



1 Site Location Map  
G101 SCALE: 1" = 200'-0"

## TYPICAL MOUNTING HEIGHTS



## GENERAL NOTES

- BEFORE STARTING THE WORK, THE CONTRACTORS SHALL EXAMINE THE JOB SITE AND THE DRAWINGS AND BE THOROUGHLY FAMILIAR WITH THE ENTIRE CONSTRUCTION, THE FACILITIES AND DIFFICULTIES IN THE EXECUTION OF THE WORK, THE ACCURACY OF THE DRAWINGS AND DIAGRAMS RELATIVE TO THE CHARACTER, AND QUANTITY OF LABOR AND MATERIAL REQUIRED.
- IT IS THE INTENTION OF THE DESIGNER THAT THE DRAWINGS AND SPECIFICATIONS PROVIDE FOR A COMPLETELY FINISHED PRODUCT, AND ANYTHING SHOWN ON THE DRAWINGS OR DESCRIBED BY THE SPECIFICATIONS OR FAIRLY IMPLIED BY EITHER OR BOTH, SHALL BE CONSIDERED A PART OF THE WORK THE SAME AS IF NOTED, SHOWN, AND DESCRIBED. SHOULD THE CONTRACTORS FIND ANY DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR BE IN DOUBT AS TO THEIR MEANING, THEY SHALL NOTIFY THE GENERAL CONTRACTOR BEFORE PROCEEDING FURTHER. ANY CLARIFICATIONS FROM THE V.A. CONTRACTING OFFICER WILL BE WRITTEN AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK WHICH MUST BE REDONE BECAUSE OF THEIR FAILURE TO COMPLY WITH THE PROCEEDINGS.
- FURTHER EXPLANATORY DRAWINGS OR DETAILS WILL ALSO BE CONSIDERED PART OF THE PROJECT AND WORK EXECUTED WITHOUT SUCH DETAILS SHALL BE AT THE CONTRACTORS RISK.
- THE CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND MEASUREMENTS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE GENERAL CONTRACTOR BEFORE PROCEEDING FURTHER. ANY CHANGES OR CORRECTIONS WILL BE WRITTEN, AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK DONE BEFORE RECEIVING SAID CORRECTION.
- THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND MAKE/OR PROVIDE ALL TEMPLATES FOR DRILLING OR FITTING FOR THEIR WORK WHICH MAY IN ANY MANNER CONNECT TO THE WORK OR APPARATUS FURNISHED OR BUILT BY OTHERS. ANY DISCREPANCIES IN DIMENSIONS OR DETAILS SHALL BE REPORTED TO THE GENERAL CONTRACTOR IMMEDIATELY, AND NO FURTHER WORK SHALL PROCEED UNTIL THE GENERAL CONTRACTOR APPROVES THE SAME.
- THE GENERAL CONTRACTOR SHALL PROPERLY LAYOUT AND PRESERVE THE SITE FOR THE USE AND CONVENIENCE OF ALL TRADES EMPLOYED ON THE WORK AND BE RESPONSIBLE FOR THE ACCURATE MAINTENANCE OF SAID LINES. THE GENERAL CONTRACTOR SHALL ALSO ESTABLISH ALL WORKING GRADES AND LEVELS IN OR ABOUT THE BUILDING AND PREMISES AND PRESERVE THE SAME AGAINST DISTURBANCE. THESE LINES SHALL BE INDICATED ON PERMANENT BENCHES, PINS, OR OTHER MONUMENTS.
- SHOULD THE CONTRACTORS FIND, AT ANYTIME DURING THE PROGRESS OF THE WORK, THAT IN THEIR JUDGEMENT EXISTING CONDITIONS MAKE DESIRABLE A MODIFICATION IN REQUIREMENTS COVERING ANY PARTICULAR ITEM OR ITEMS, THEY SHALL REPORT PROMPTLY TO THE GENERAL CONTRACTOR SUCH MATTERS FOR THEIR DECISION AND INSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL WORK, FINISHED OR OTHERWISE, IRRESPECTIVE OF LOCATION IS COMPLETELY PROTECTED AFTER FINISHING FROM EXTRANEOUS MATERIALS AND FOR DAMAGE ARISING FROM ANY OTHER OCCURRENCE. FAILURE TO AFFORD SUCH PROTECTION MAY CONSTITUTE REJECTION OF ANY DAMAGED WORK WITH SUBSEQUENT REPLACEMENT AT NO ADDITIONAL COST.
- THE CONTRACTORS SHALL BE DIRECTLY RESPONSIBLE FOR ANY DAMAGE TO ADJOINING BUILDINGS, PRIVATE OR PUBLIC PROPERTY AND UTILITIES. THEY SHALL, THEREFORE, PROTECT ALL SUCH BUILDINGS, PROPERTY AND UTILITIES IN A SAFE, CLEAN AND SATISFACTORY MANNER AND SHALL REPAIR ANY DAMAGES TO MATCH ORIGINAL CONDITION.
- THE CONTRACTORS SHALL BE DIRECTLY RESPONSIBLE FOR THE SAFETY OF ALL PEOPLE WORKING ON OR NEAR THE JOB SITE ON THIS PROJECT AND FOR THE PROTECTION OF OTHERS IN THE VICINITY. CONTRACTOR TO MAINTAIN SECURE SITE AT ALL TIMES. NO CLAIMS OF THEFT OR VANDALISM SHALL BE MADE TO THE OWNER.
- ANY CUTTING OF THE STRUCTURE FOR NEW WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTORS. IN THE EVENT THE TRADES INVOLVED DO THE ACTUAL CUTTING, THE WORK SHALL BE WITH THE KNOWLEDGE AND SUPERVISION OF THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THAT OPERATION. ALL CUTTING WORK SHALL BE PATCHED OR COVERED TO A "LIKE NEW" CONDITION.
- REGULATORY REQUIREMENTS: ALL WORK SHALL COMPLY WITH THE STANDARDS AND REGULATIONS OF THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION," OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ANY OTHER SAFETY REGULATIONS AS MAY BE APPLICABLE. ALL WORK SHALL COMPLY WITH ALL GOVERNING STANDARDS AND REGULATIONS RELATIVE TO ENVIRONMENTAL PROTECTION. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND CITY CODES AND RULES, AS WELL AS THOSE OF THE UTILITY COMPANIES AND OTHER INVOLVED AGENCIES. THE CONTRACTORS SHALL BE RESPONSIBLE FOR TAKING OUT ANY REQUIRED PERMITS AND PAYING ANY FEES REQUIRED BY GOVERNMENT AGENCIES OR UTILITY COMPANIES. THE CONTRACTORS SHALL NOTIFY THE GENERAL CONTRACTOR AT ONCE IF ANYTHING IN THE CONTRACT DOCUMENTS IS FOUND NOT TO COMPLY WITH THE ABOVE CODES AND REGULATIONS, BEFORE CONTINUING WITH THE WORK, BY FAILING TO DO SO, CONTRACTORS SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE.
- MATERIAL AND WORKMANSHIP: IT IS THE INTENTION OF THE DRAWINGS AND SPECIFICATIONS TO PRODUCE WORK OF THE HIGHEST QUALITY. IF IN THE OPINION OF THE CONTRACTORS ANYTHING IS INCLUDED HEREIN THAT IS CONTRARY TO THIS, THEY SHALL REPORT IT TO THE GENERAL CONTRACTOR AND TAKE IMMEDIATE STEPS TO CORRECT IT. IF IN THE OPINION OF THE A/E OR GENERAL CONTRACTOR ANY PART OF THE CONSTRUCTION OF THIS WORK DOES NOT AGREE WITH THE ABOVE, THE CONTRACTORS WILL BE NOTIFIED IN WRITING, AND THEY SHALL TAKE IMMEDIATE STEPS TOWARD CORRECTION. ALL NEW WORK, SPECIFIED OR IMPLIED, SHALL COMPLY WITH THE BEST RECOGNIZED STANDARDS OF THE CONSTRUCTION INDUSTRY, FOR THE INTENDED USE.
- ALL WORK SHALL COMPLY WITH ALL LAWS, RULES, REGULATIONS, ORDINANCES AND CODES OF DEPARTMENT OF VETERAN AFFAIRS, THE FEDERAL GOVERNMENT, AND SHALL COMPLY WITH IBC 2012

## FOR CONSTRUCTION

Revisions	Date

Consultants:	



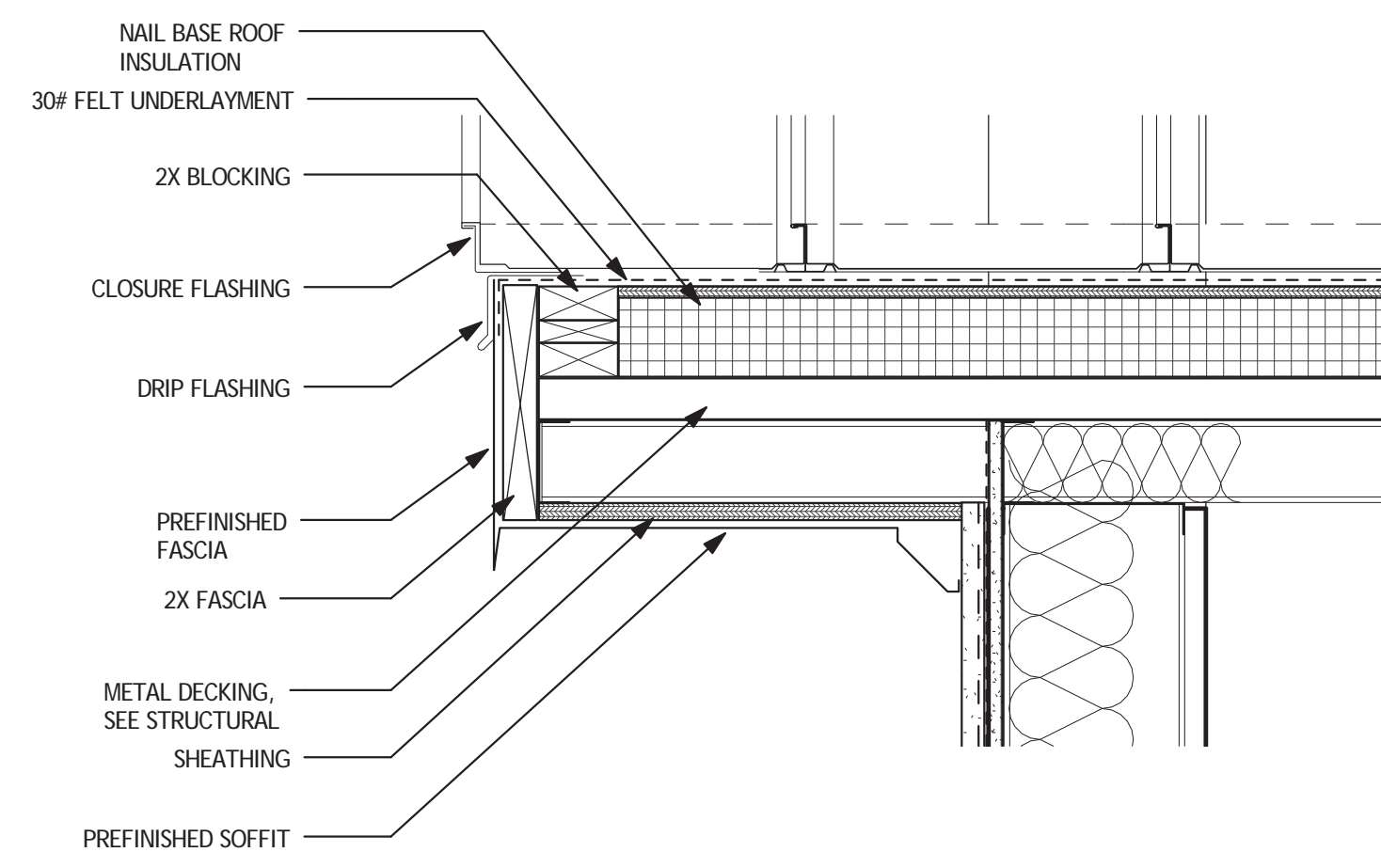
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
4298 ELYSIAN FIELDS AVENUE  
NEW ORLEANS, LOUISIANA 70122  
www.royalengineering.net

Approved:	
PROGRAM MANAGER, PROJECTS	
SAFETY/INDUSTRIAL HYGIENE	
HEALTH SYSTEM SPECIALIST	
MAINTENANCE SUPERVISOR	
MAINTENANCE FOREMAN	
MAINTENANCE FOREMAN	

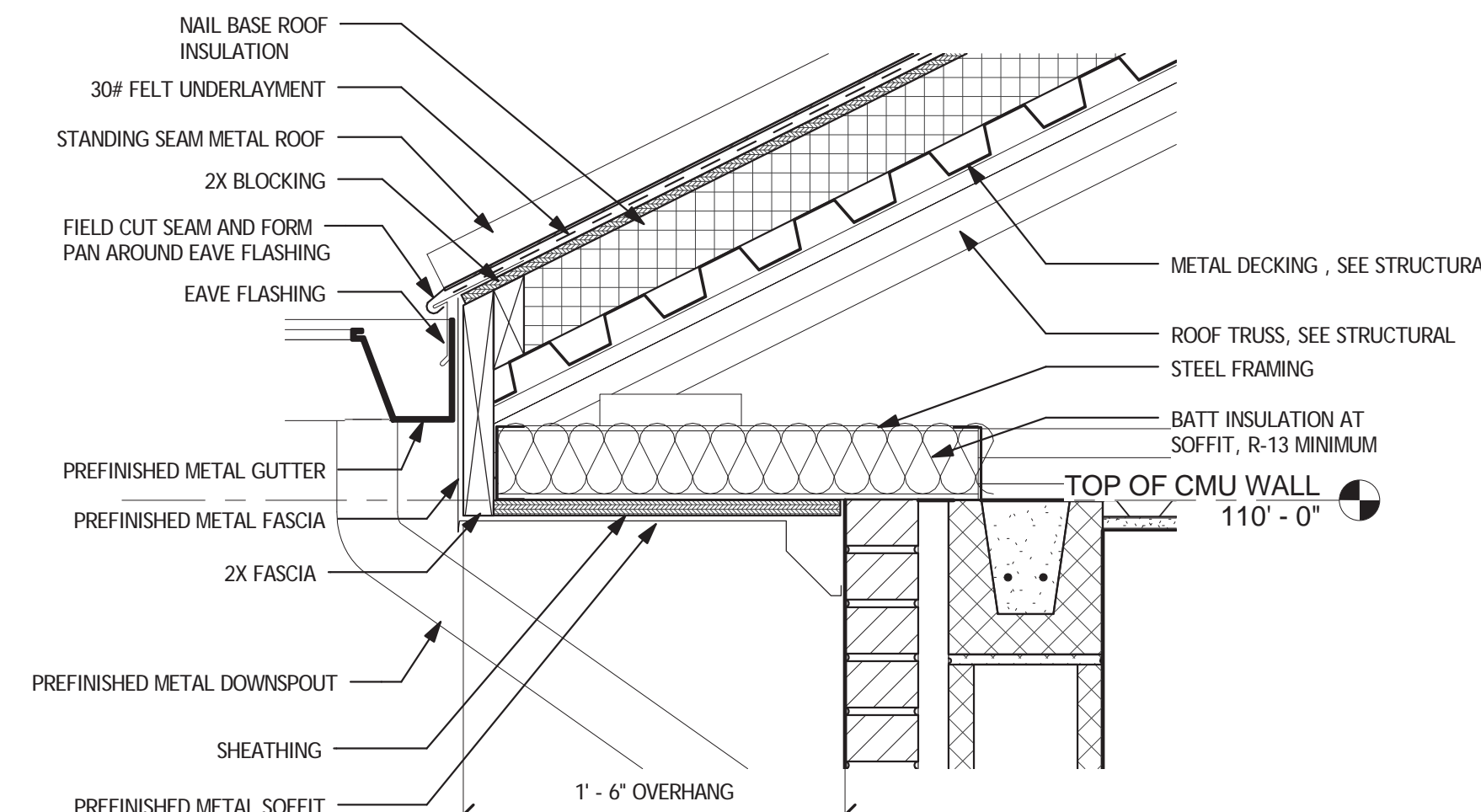
Drawing Title	TITLE SHEET
Approved: Service Engineer	
Approved: Service Director	

Project Title	VA Gulf Coast Decontamination Unit		
Date	7/16/2015 2:20:20 PM		
Project No.	520-13-136		
Drawing No.	G101		
Dwg. Of			
Building Number	XX	Checked	MP
Drawn	IP		
Location	VAMC BILOXI, MS		

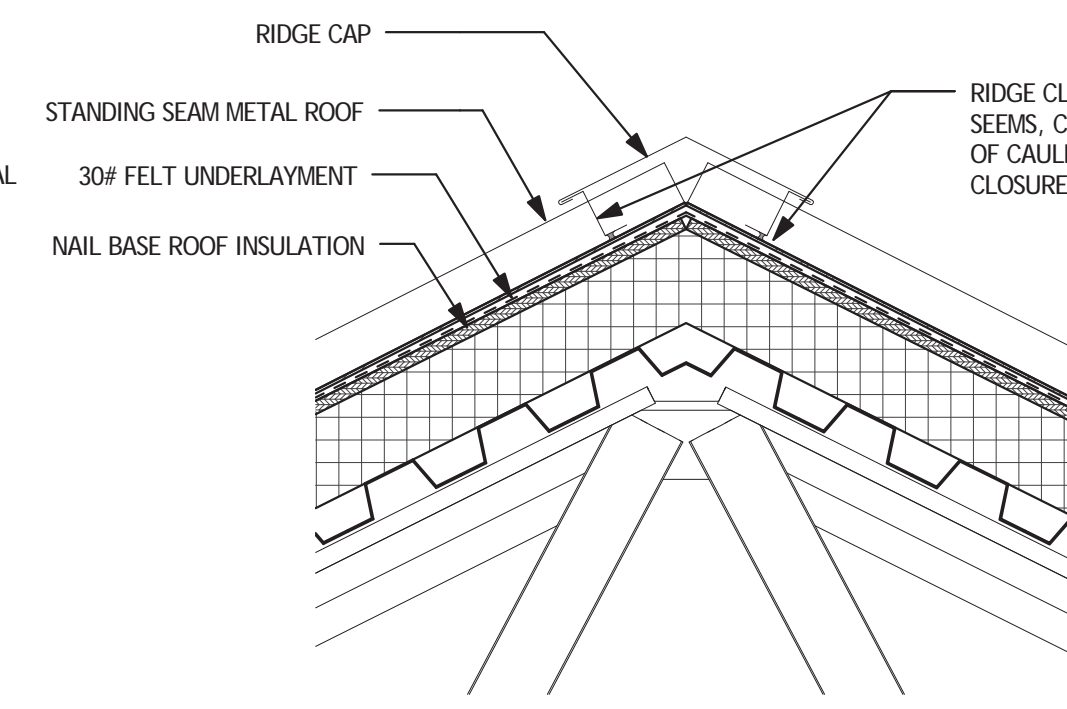




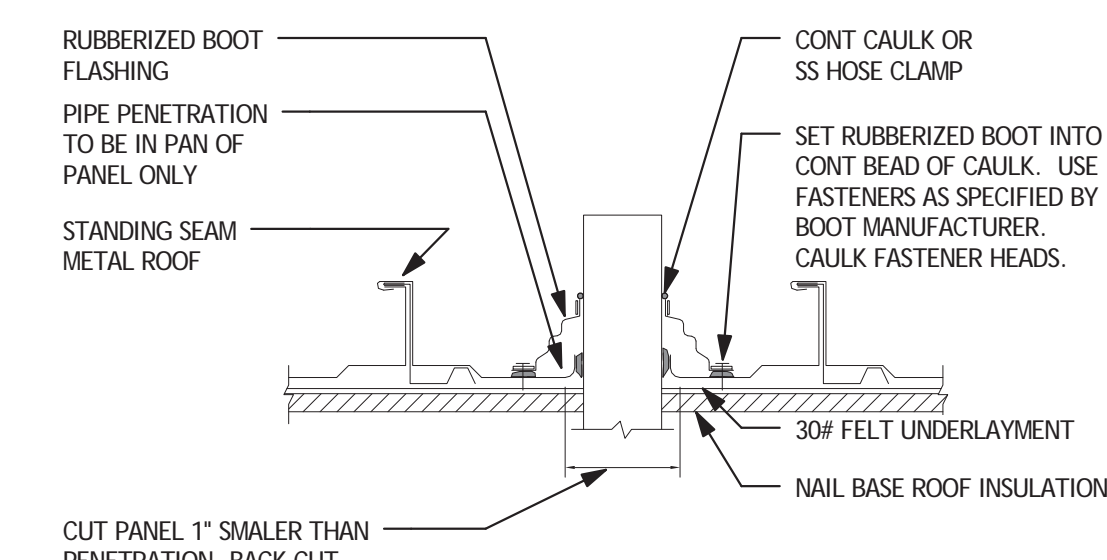
**7 ROOF GABLE DETAIL**  
A301 SCALE: 1 1/2" = 1'-0"



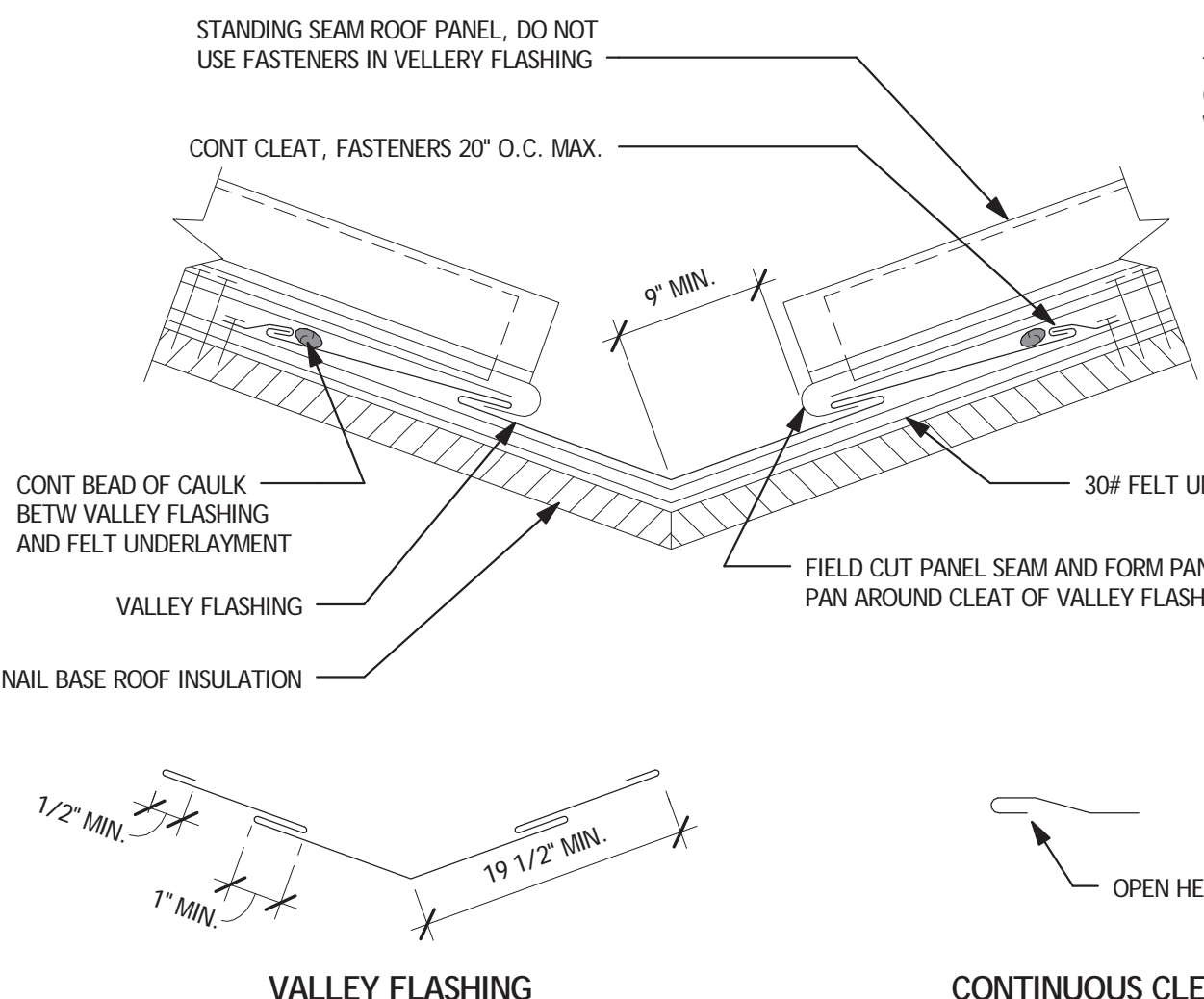
**8 ROOF EAVE DETAIL**  
A301 SCALE: 1 1/2" = 1'-0"



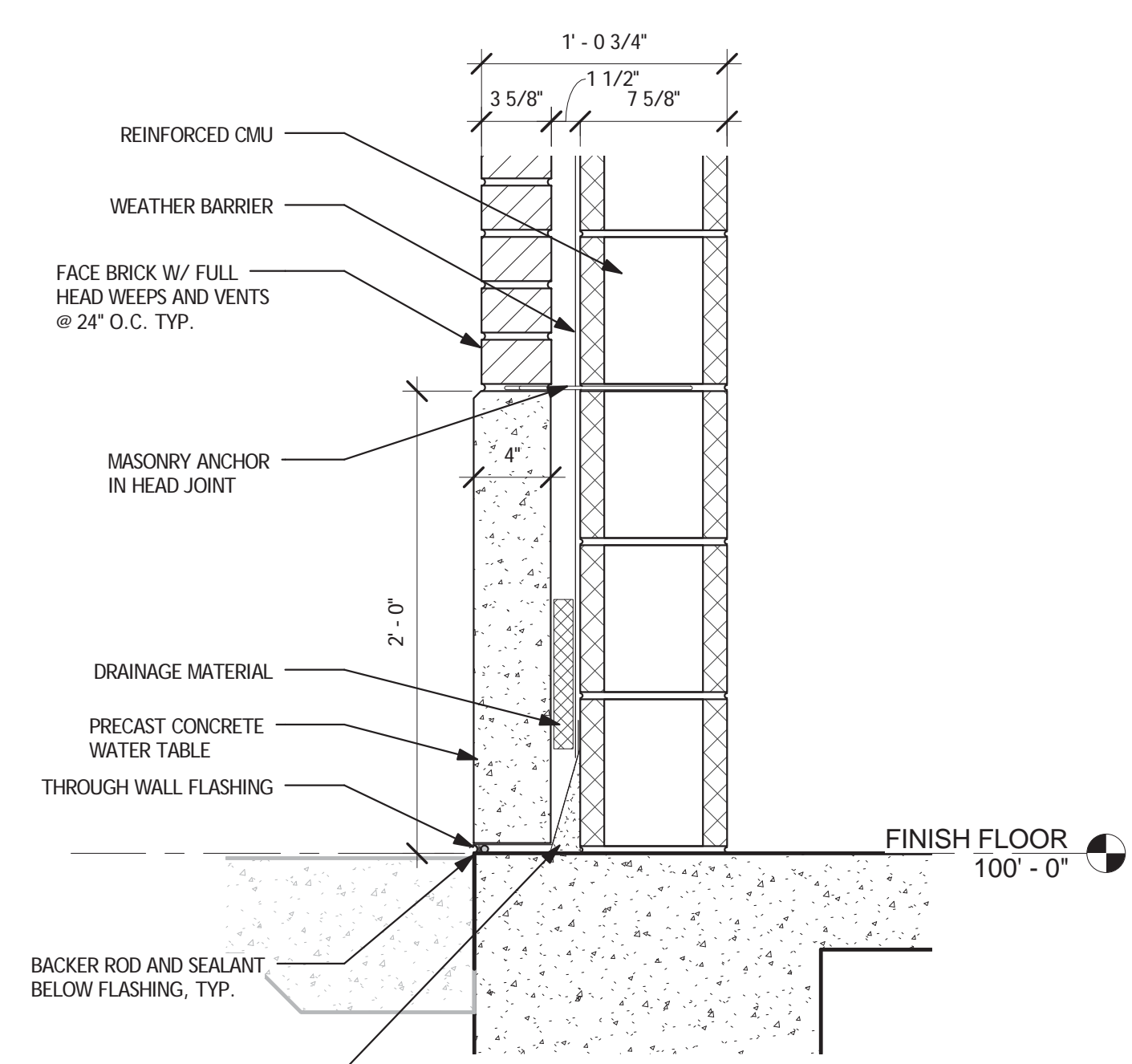
**9 ROOF RIDGE DETAIL**  
A301 SCALE: 1 1/2" = 1'-0"



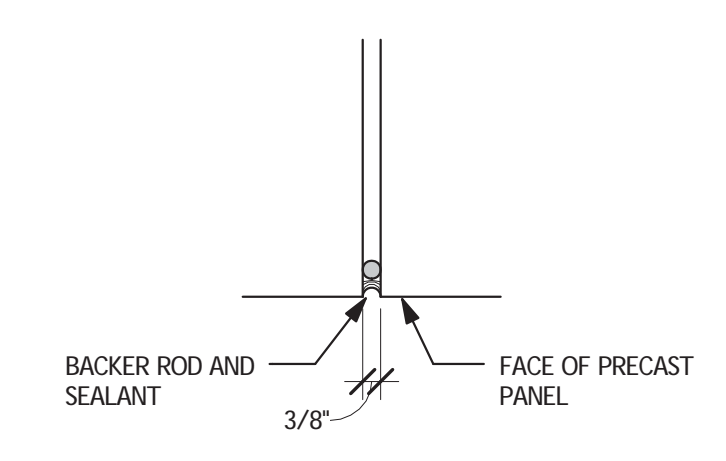
**6 ROOF PENETRATION DETAIL**  
A301 SCALE: 3" = 1'-0"



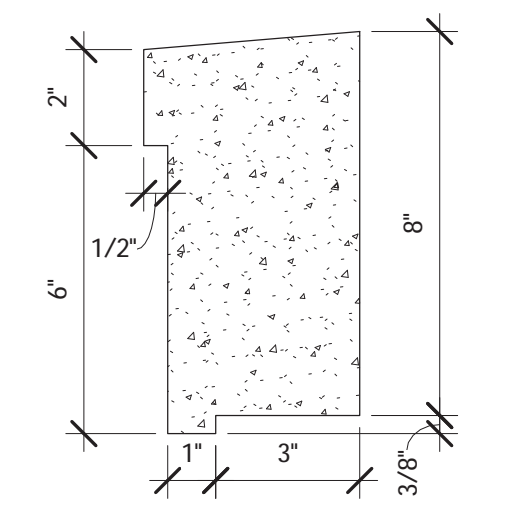
**14 ROOF VALLEY DETAIL**  
A301 SCALE: 3" = 1'-0"



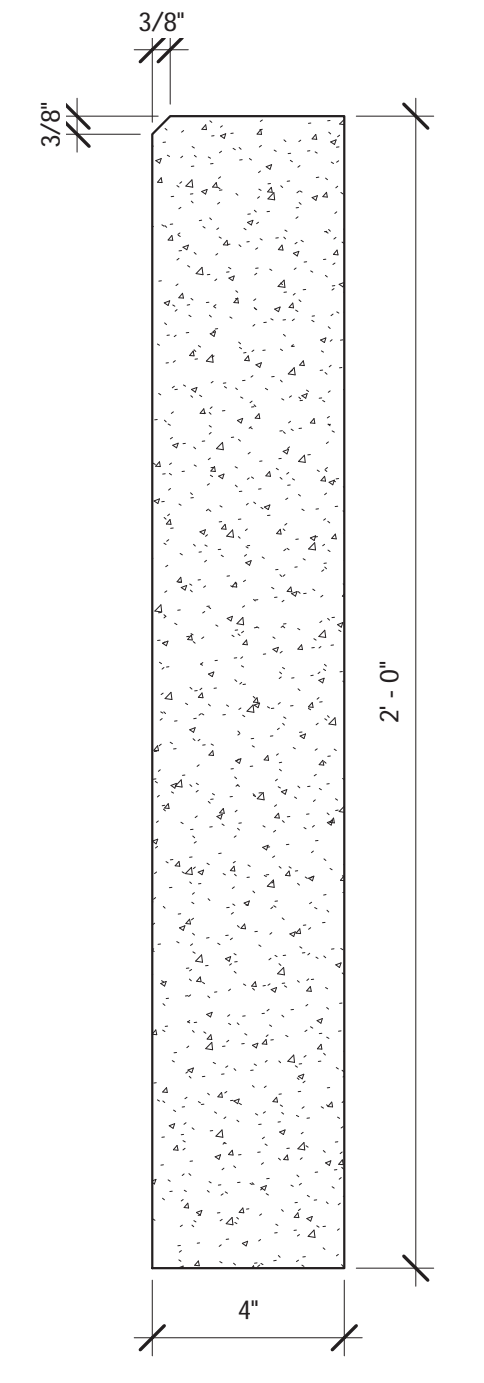
**2 BASE DETAIL**  
A301 SCALE: 1 1/2" = 1'-0"



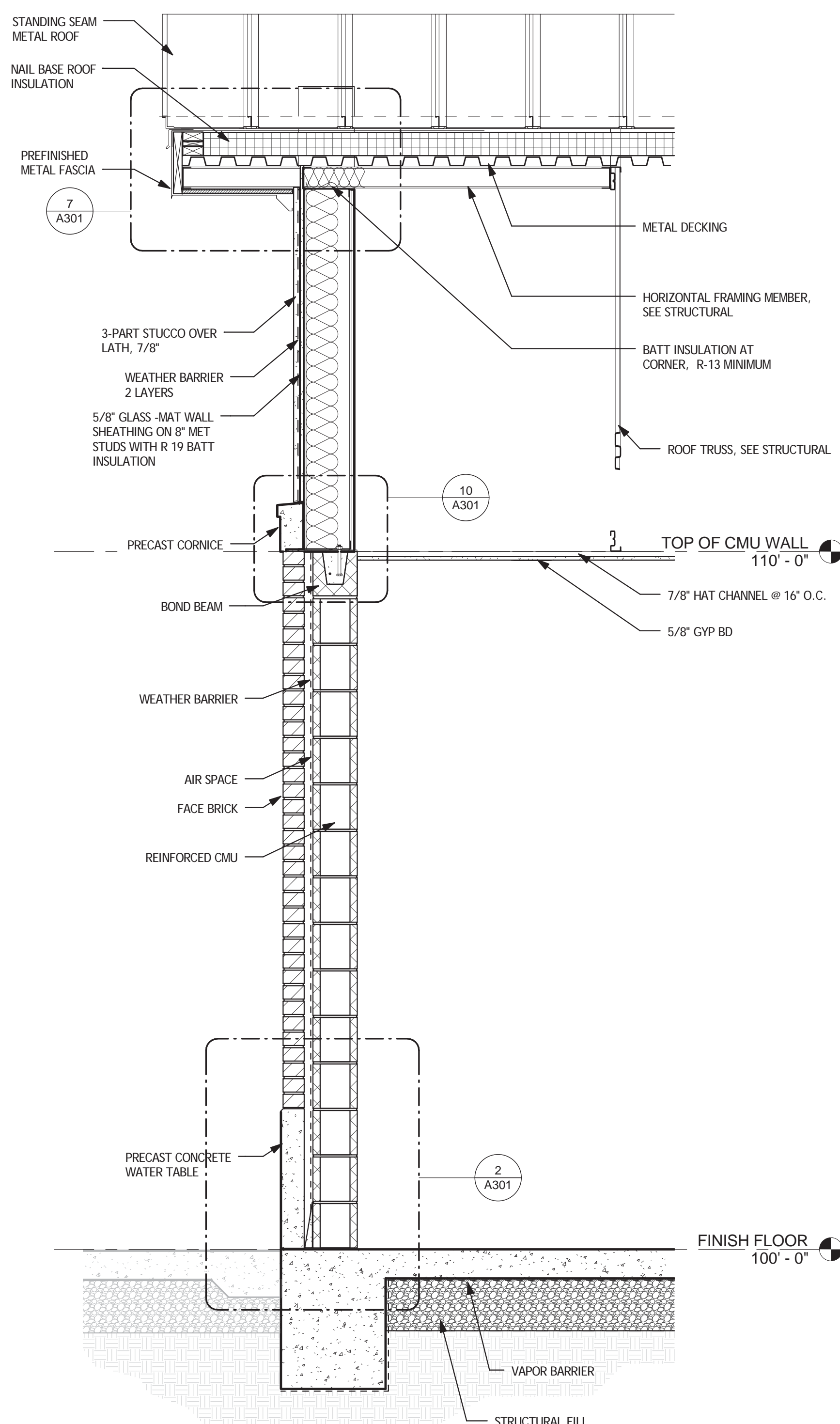
**13 PRECAST PANEL BUTT JOINT TYP.**  
A301 SCALE: 3" = 1'-0"



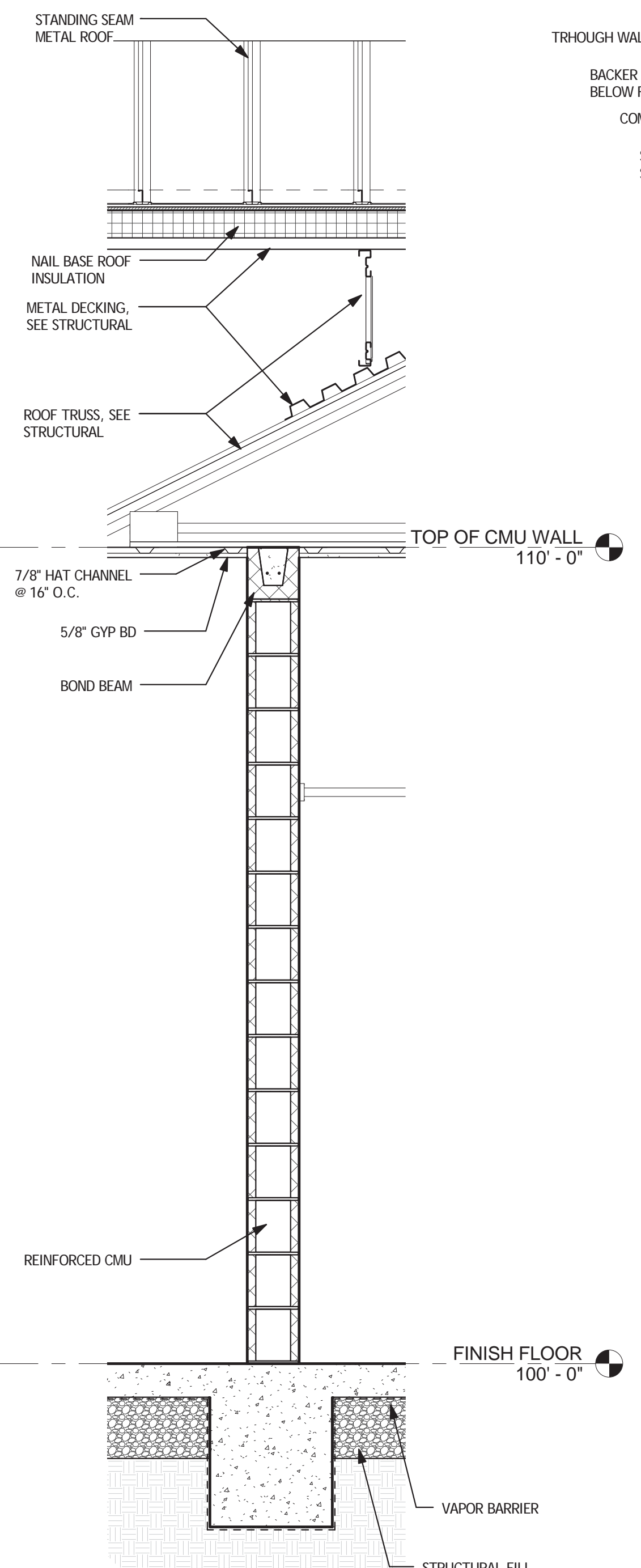
**12 PRECAST CORNICE PROFILE**  
A301 SCALE: 3" = 1'-0"



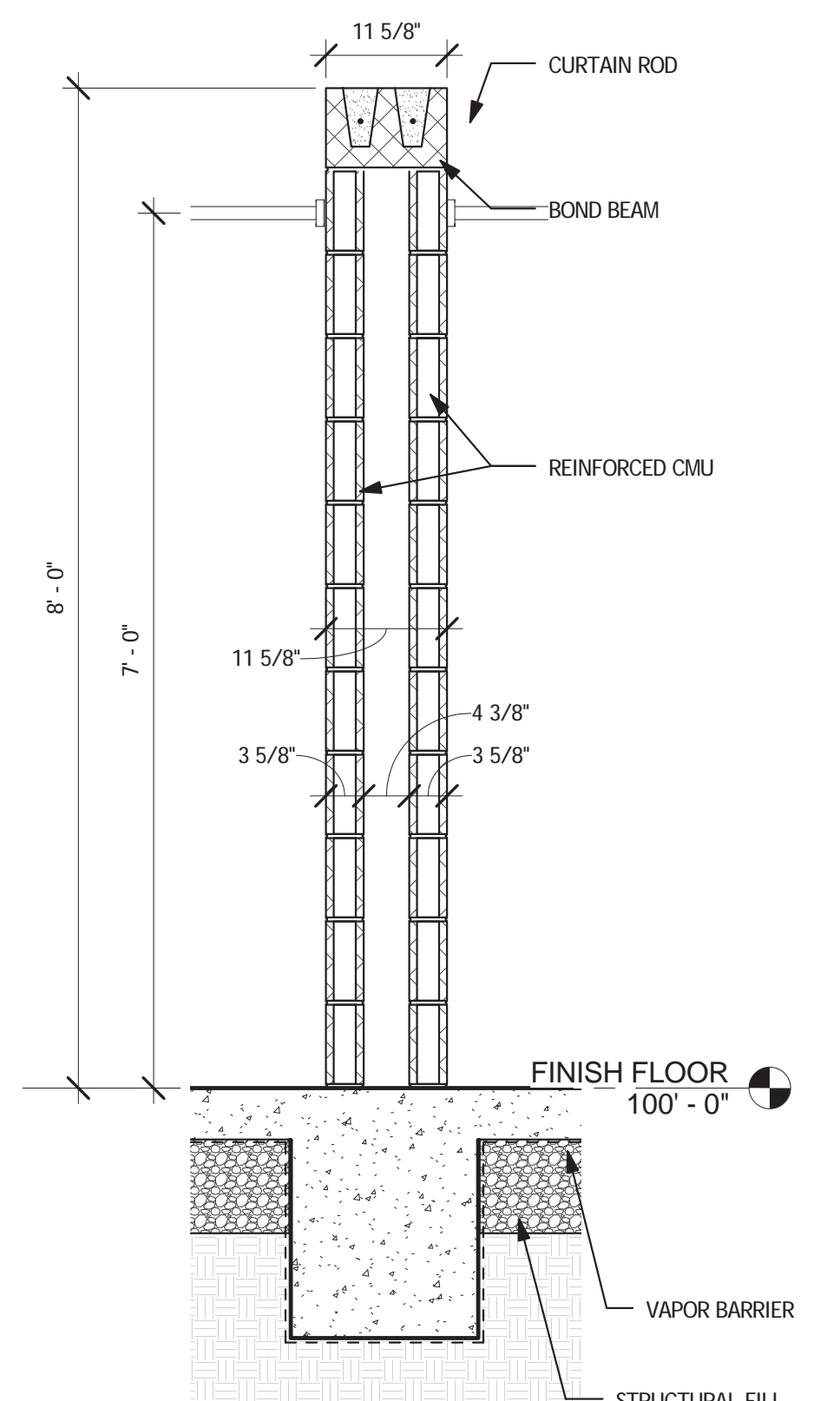
**11 PRECAST BASE PROFILE**  
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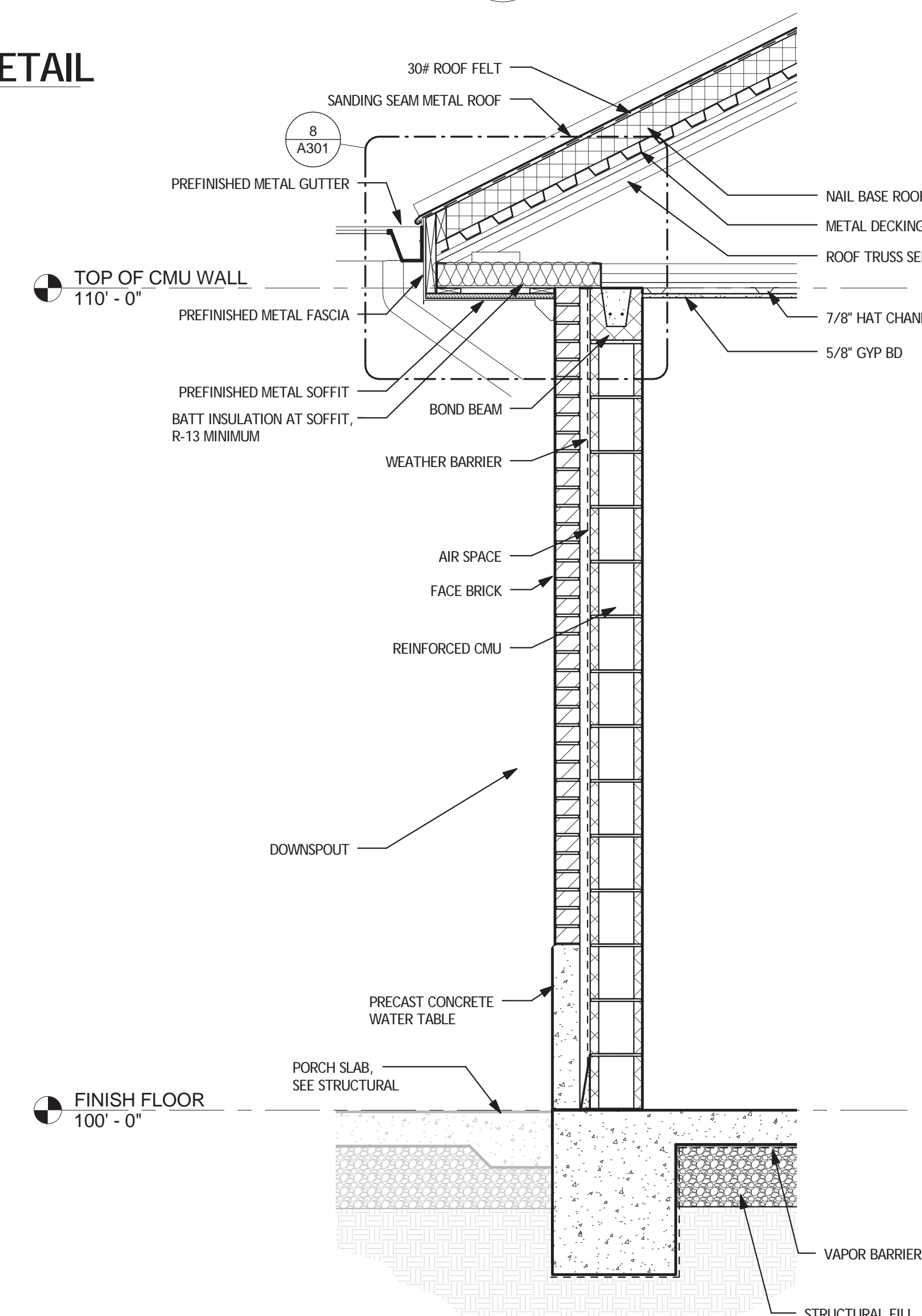
**1 WALL SECTION 1**  
A301 SCALE: 3/4" = 1'-0"



**3 WALL SECTION 3**  
A301 SCALE: 3/4" = 1'-0"



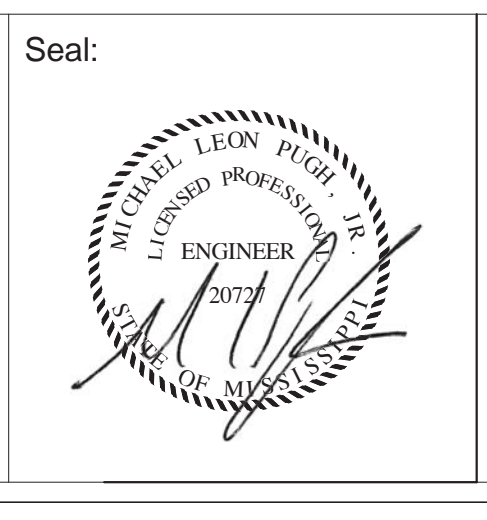
**4 WALL SECTION 4**  
A301 SCALE: 3/4" = 1'-0"



**5 WALL SECTION 5**  
A301 SCALE: 3/4" = 1'-0"

Revisions	Date

Consultants:	



**ROYAL ENGINEERS & CONSULTANTS, LLC**  
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HEALTH SYSTEM SPECIALIST	
MAINTENANCE SUPERVISOR	
MAINTENANCE FOREMAN	
MAINTENANCE FOREMAN	

Drawing Title	<b>WALL SECTIONS</b>
Approved: Service Engineer	
Approved: Service Director	

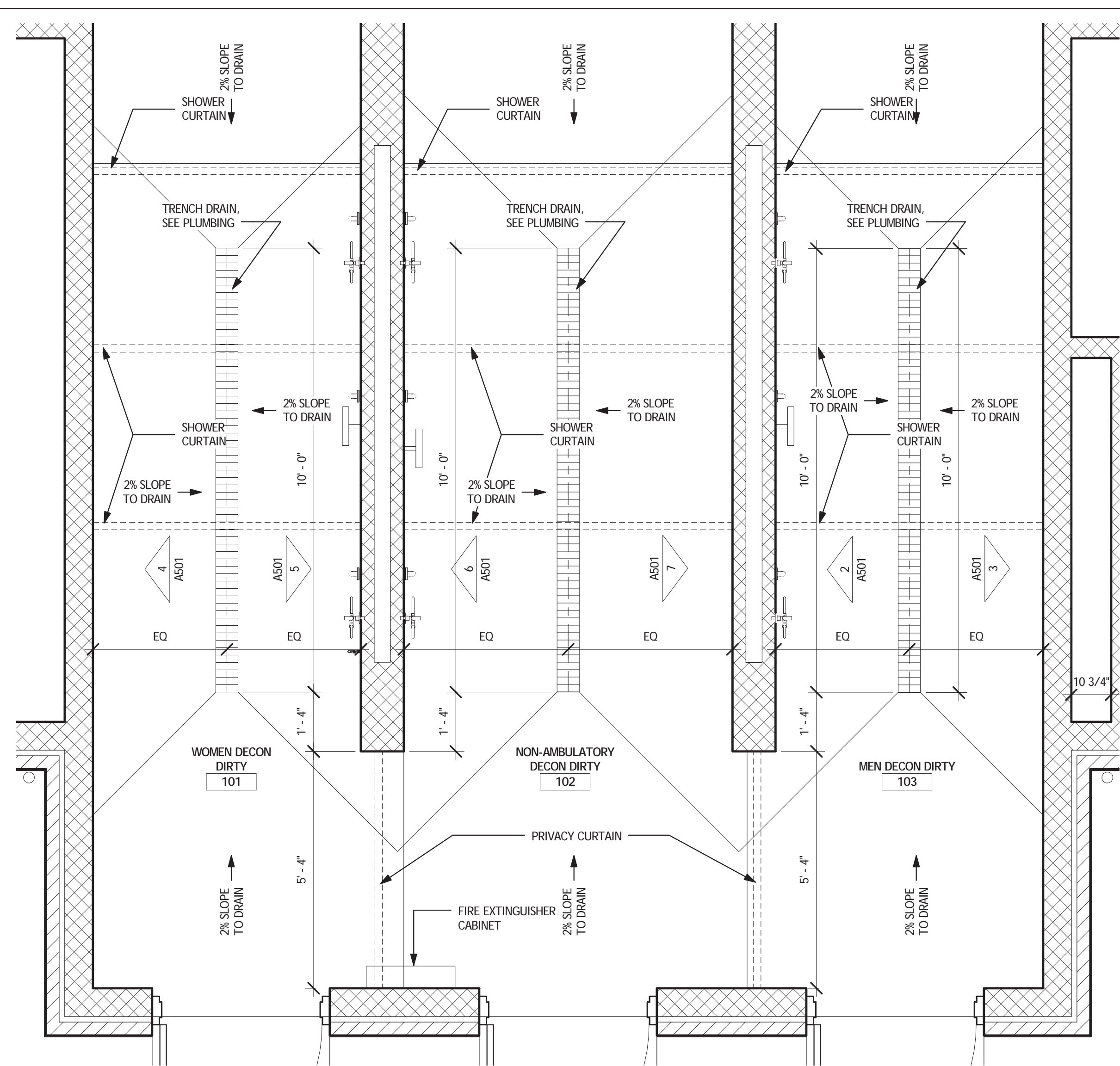
Project Title	<b>VA Gulf Coast Decontamination Unit</b>		
Date	6/30/2015 4:23:28 PM		
Project No.	520-13-136		
DRAWING NO.	<b>A301</b>		
Dwg. Of			

**FOR CONSTRUCTION**

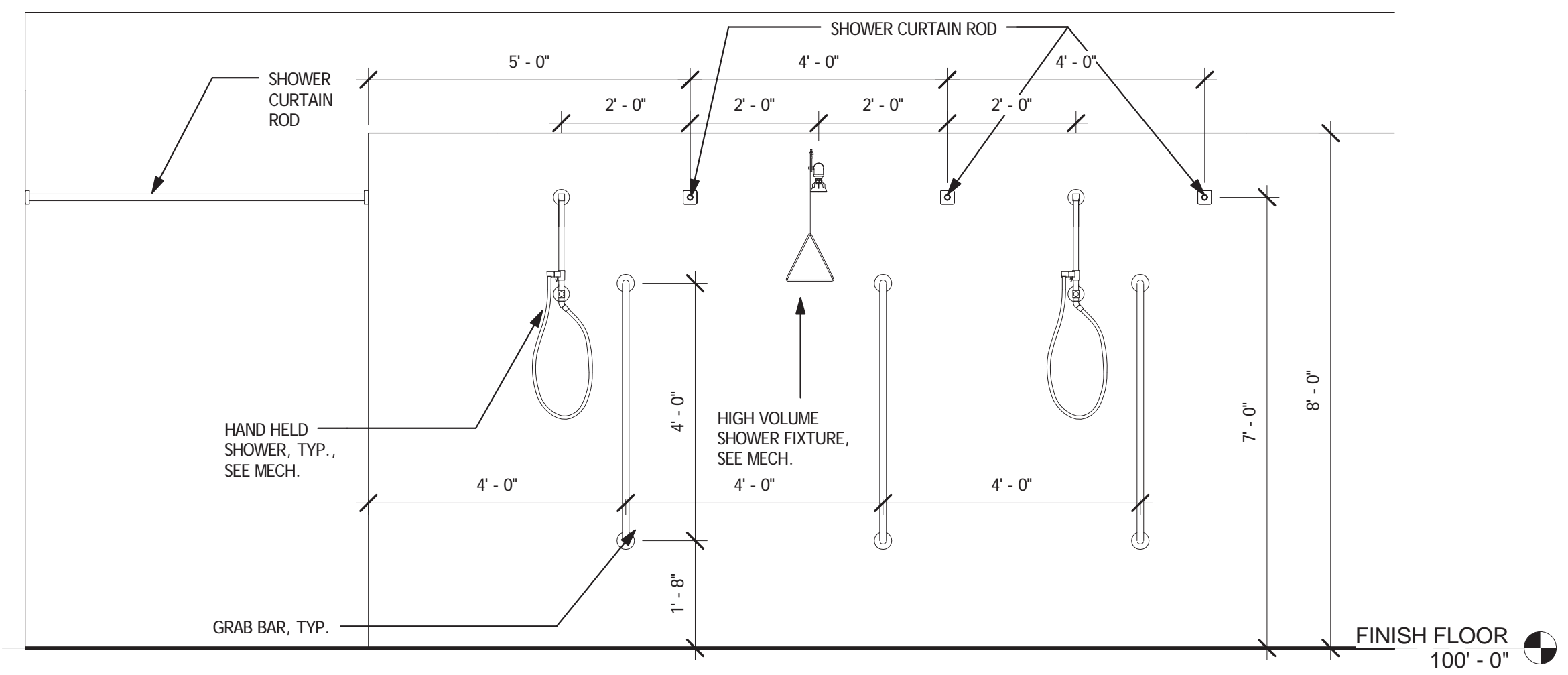
Office of Facilities

Department of Veterans Affairs

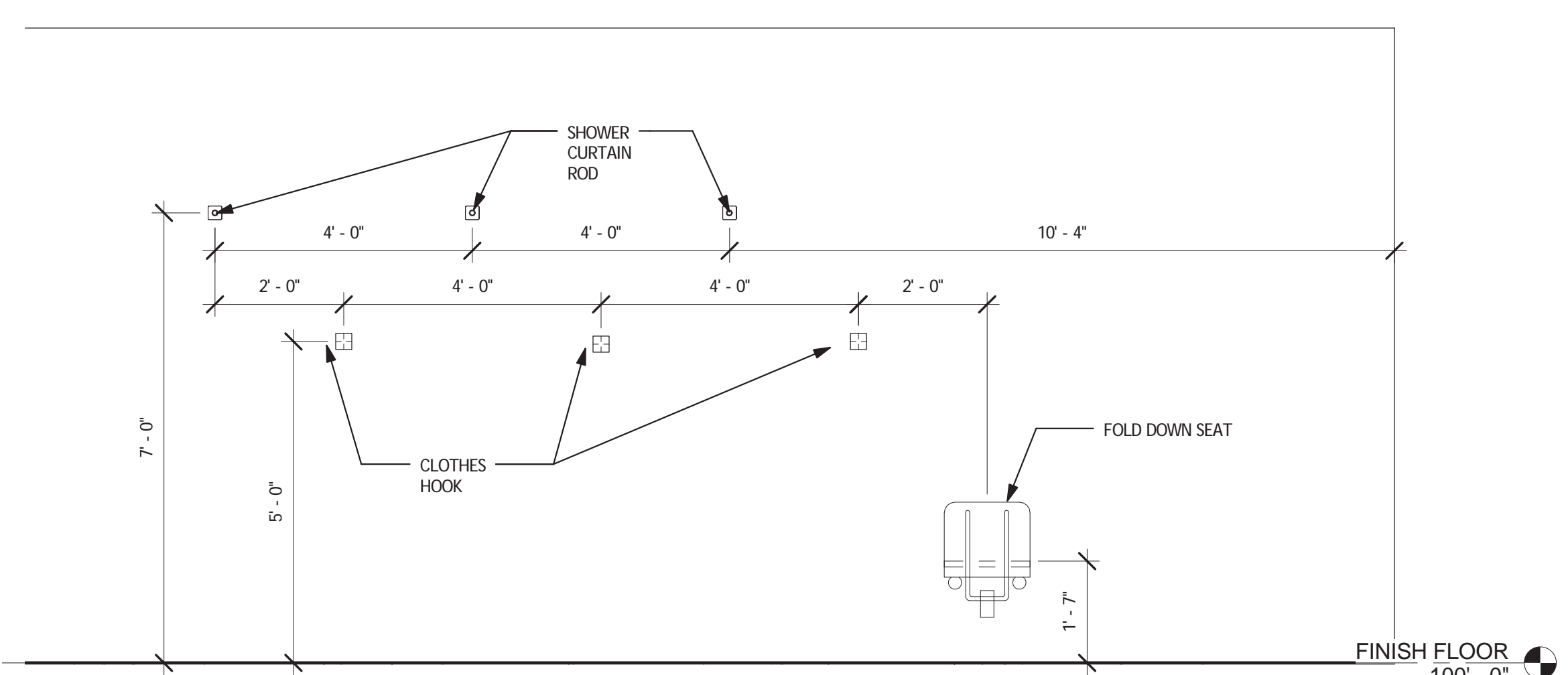
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



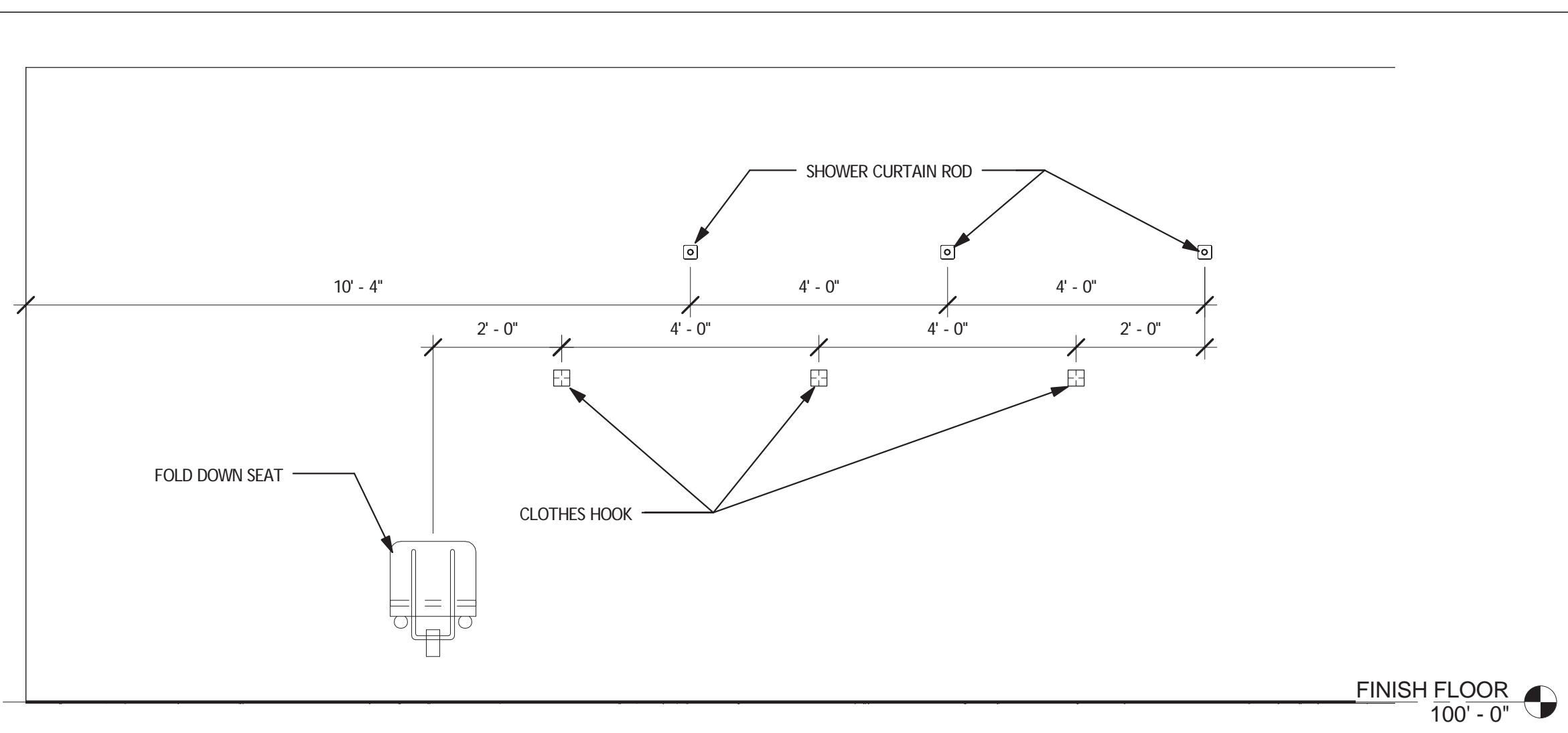
**1 ENLARGED SHOWER PLAN**  
 A501 SCALE: 1/2" = 1'-0"



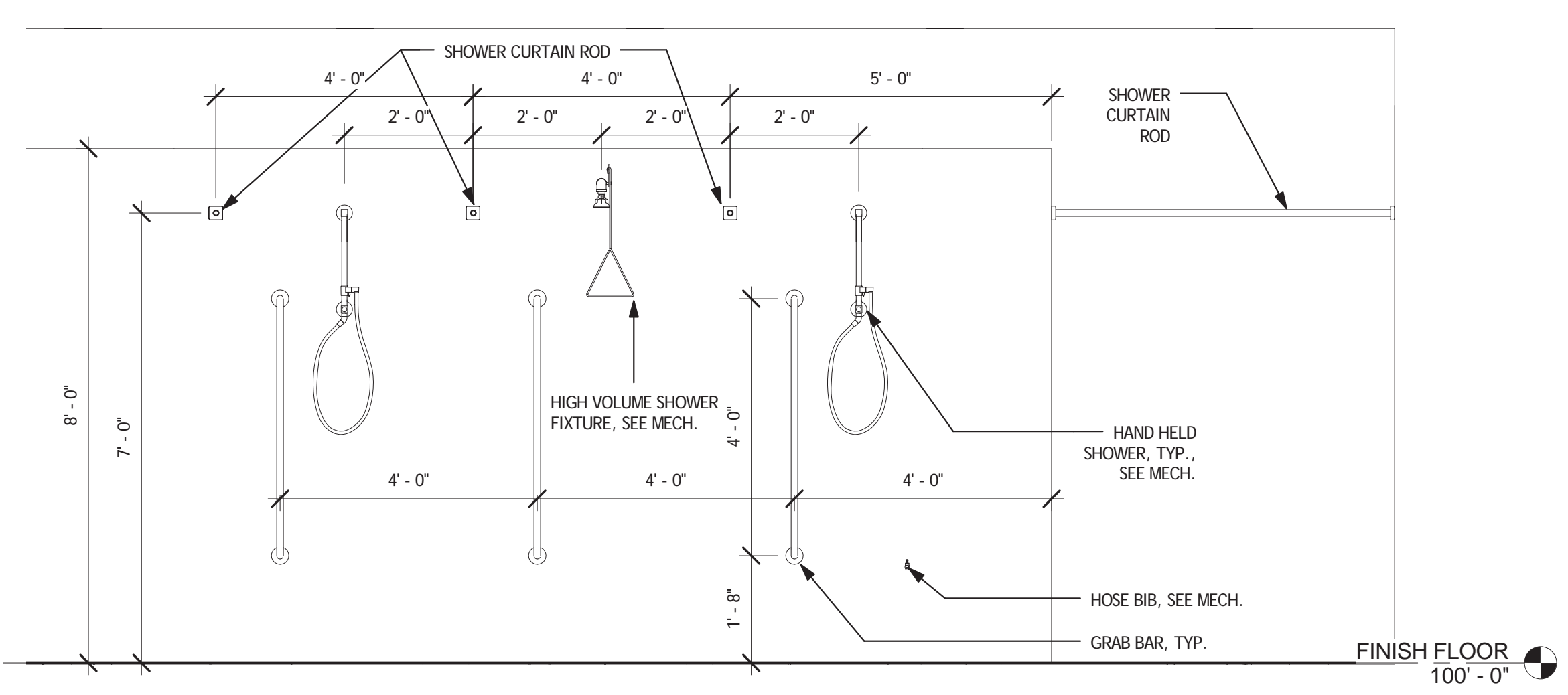
**2 MEN'S - WEST**  
 A501 SCALE: 1/2" = 1'-0"



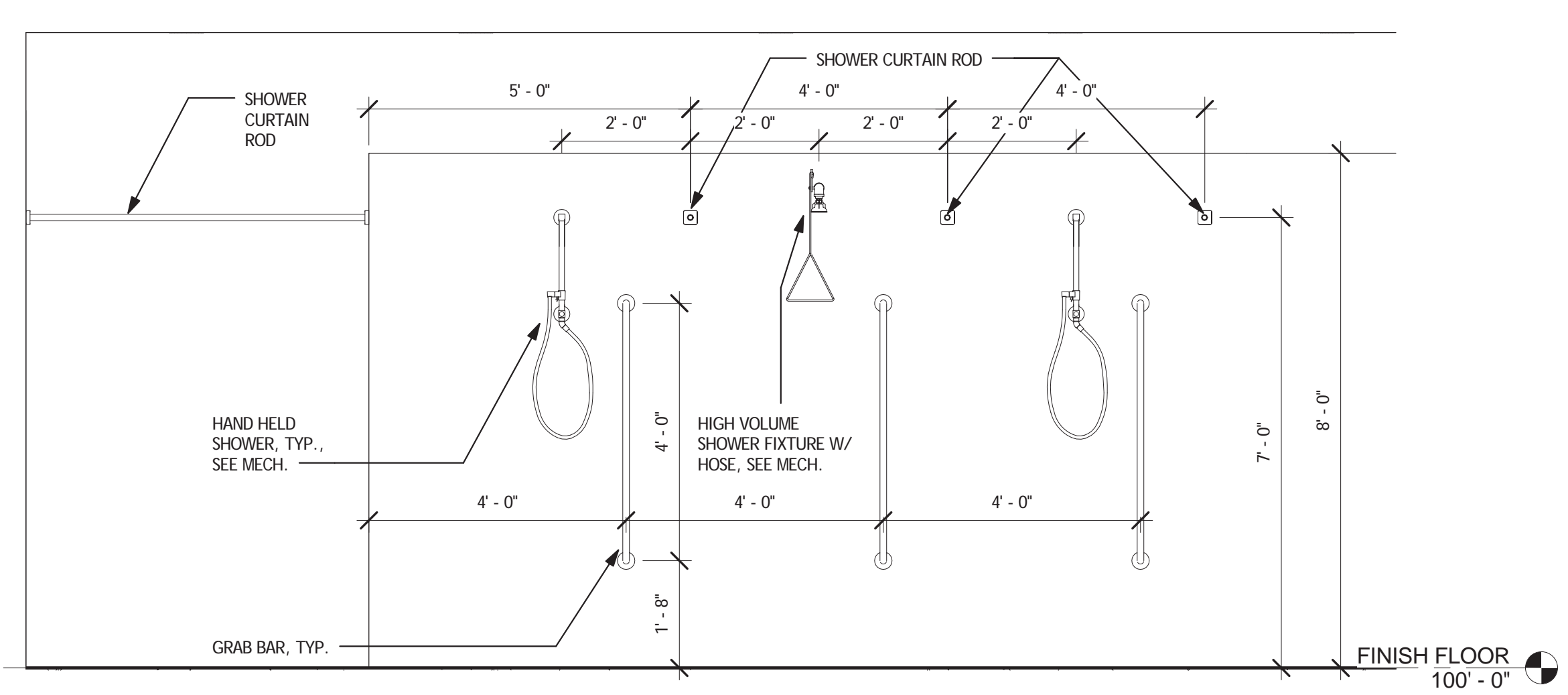
**3 MEN'S - EAST**  
 A501 SCALE: 1/2" = 1'-0"



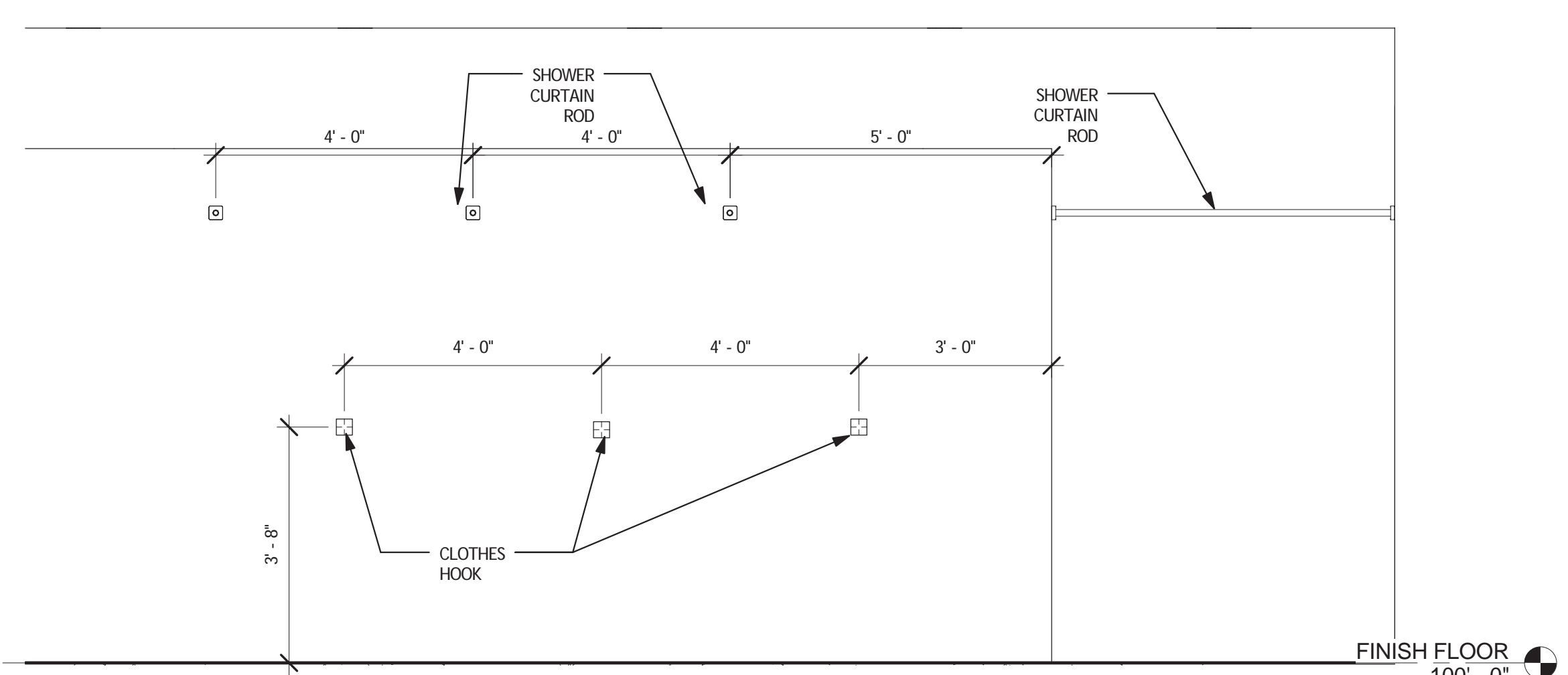
**4 WOMEN'S - WEST**  
 A501 SCALE: 1/2" = 1'-0"



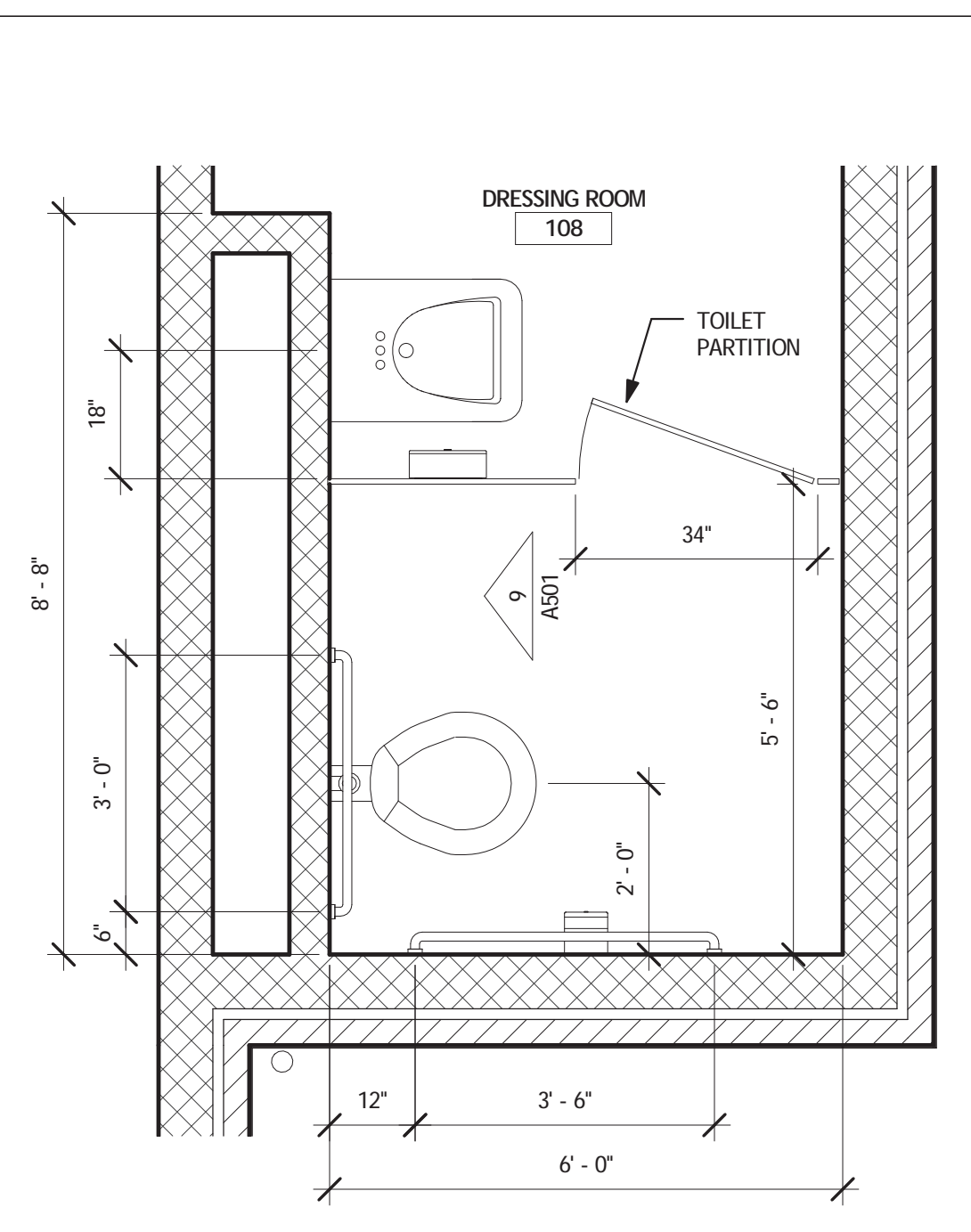
**5 WOMEN'S - EAST**  
 A501 SCALE: 1/2" = 1'-0"



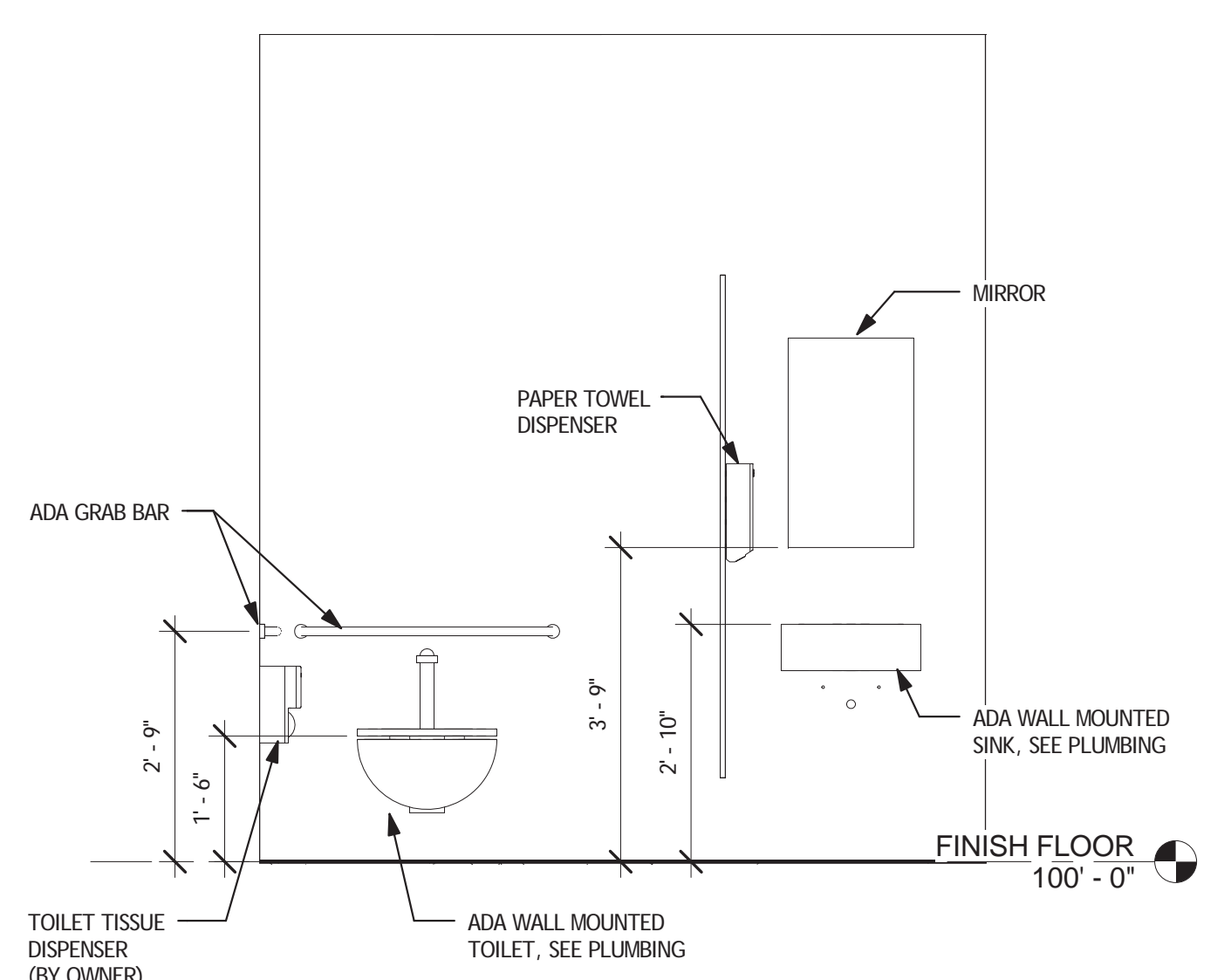
**6 NON-AMBUL. - WEST**  
 A501 SCALE: 1/2" = 1'-0"



**7 NON-AMBUL. - EAST**  
 A501 SCALE: 1/2" = 1'-0"



**8 ENLARGED BATHROOM PLAN**  
 A501 SCALE: 1/2" = 1'-0"



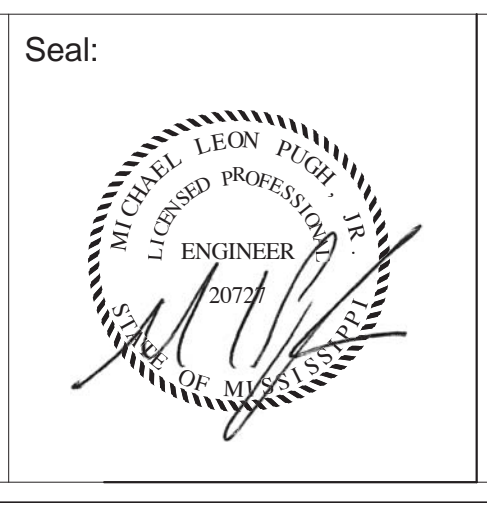
**9 BATHROOM ELEVATION**  
 A501 SCALE: 1/2" = 1'-0"

TOILET/SHOWER ACCESSORY LEGEND		
ITEM	DESCRIPTION	NOTES
SHOWER CURTAIN ROD	10 28 00	VERIFY REQUIRED LENGTH IN FIELD
GRAB BAR	10 28 00	SEE DRAWINGS FOR REQUIRED SIZES
FOLD DOWN SEAT	10 28 00	
CLOTHES HOOK	10 28 00	
PAPER TOWEL DISPENSER	10 28 00	
TOILET TISSUE DISPENSER	-	BY OWNER
MIRROR	10 28 00	18" X 30"
SHOWER CURTAIN**	MEDLINE, SURE-CHECK	HEAVY DUTY, COLOR BY OWNER

\* MANUFACTURER AND MODEL INDICATE BASIS OF DESIGN ONLY, ALL APPROVED EQUALS SHALL BE ACCEPTED, SEE SPECIFICATIONS  
 \*\*PROVIDE SHOWER CURTAIN AND REQUIRED METAL SNAP PIN HOOKS FOR EACH SHOWER CURTAIN ROD SHOWN IN DRAWINGS, CURTAIN HEIGHT 78", CURTAIN WIDTH EQUAL TO OPENING WIDTH x 1.2 (WIDTH + 20%).

Revisions	Date

Consultants:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



A/E:  
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:  
 PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title  
**INTERIOR ELEVATIONS**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title  
**VA Gulf Coast Decontamination Unit**

Date  
 6/30/2015 4:23:31 PM

Project No.  
 520-13-136

Building Number  
 XX

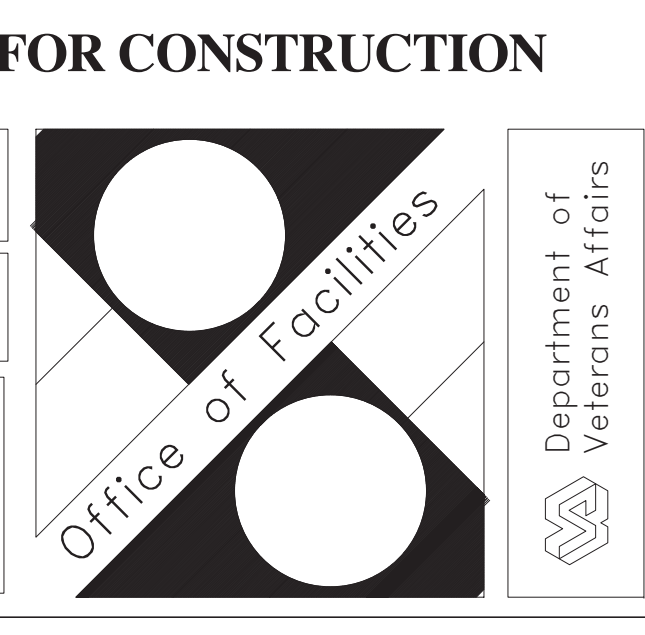
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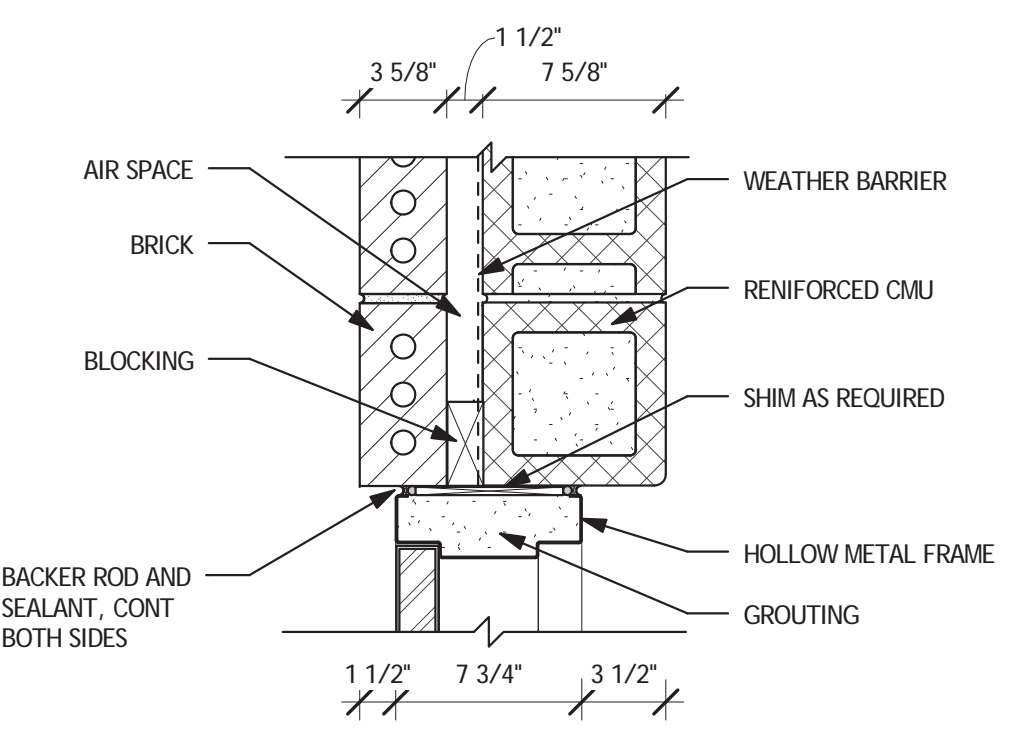
Location  
 VAMC BILOXI, MS

DRAWING NO.  
**A501**

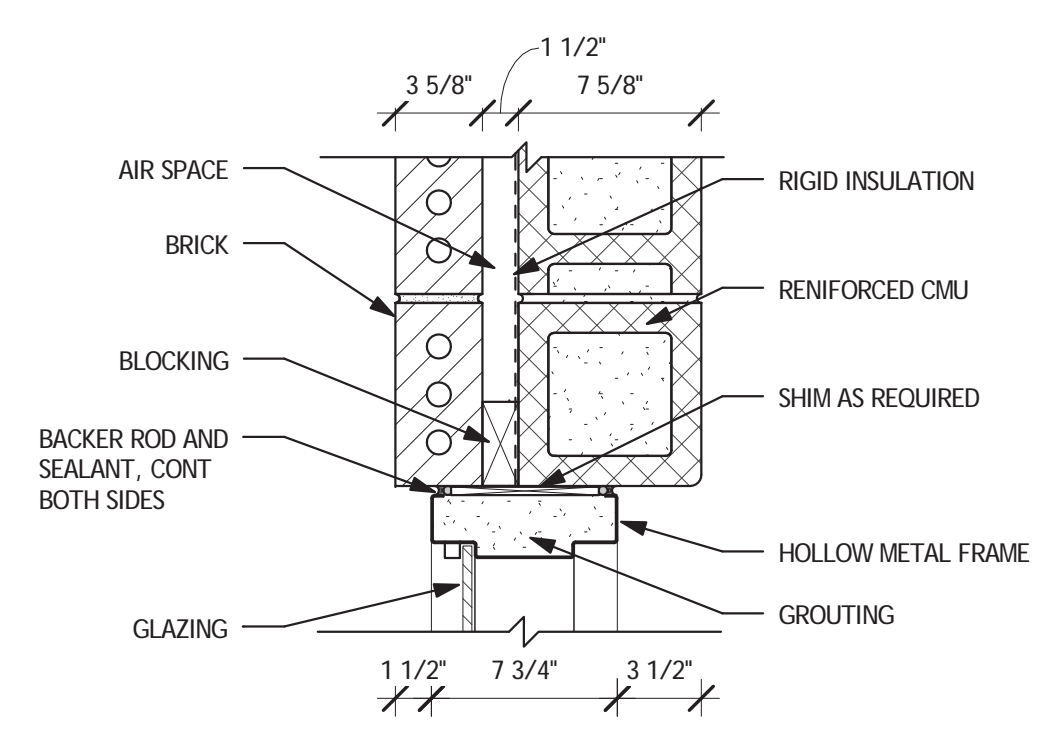
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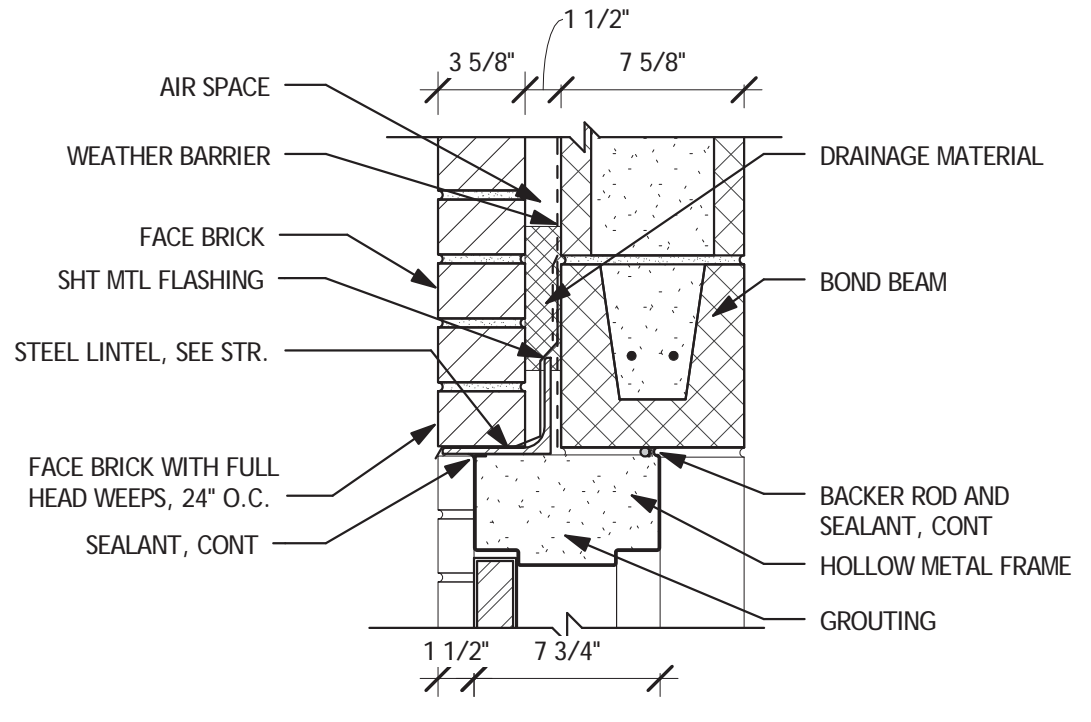
three inches = one foot  
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 one-half inch = one foot  
 three-eighths inch = one foot  
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 one-eighth inch = one foot



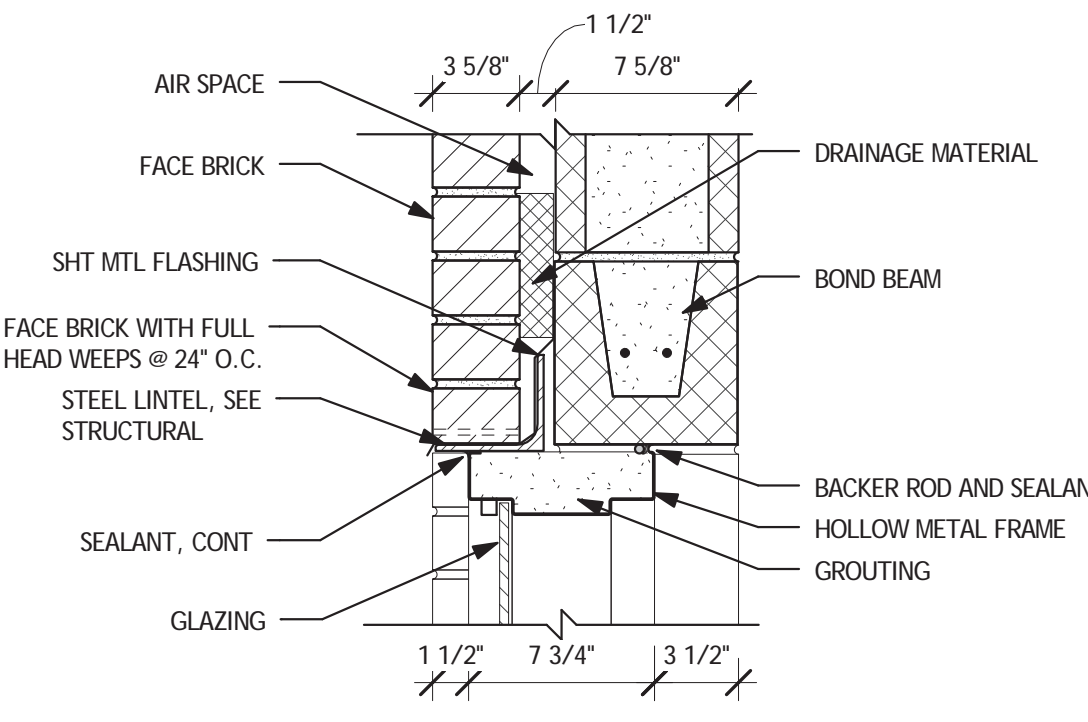
**1 DOOR JAMB - EXTERIOR**  
 A601 SCALE: 1 1/2" = 1'-0"



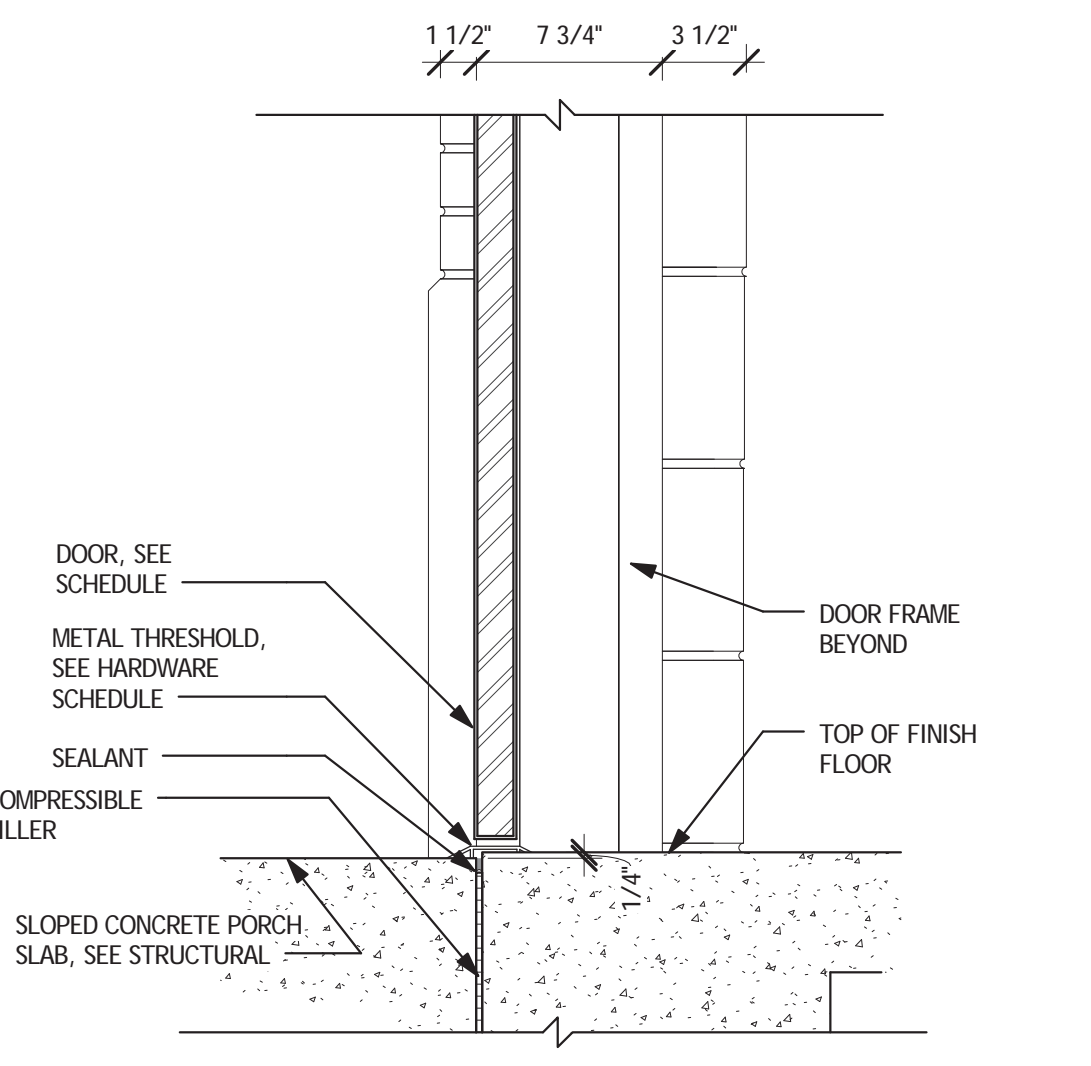
**7 TRANSOM JAMB**  
 A601 SCALE: 1 1/2" = 1'-0"



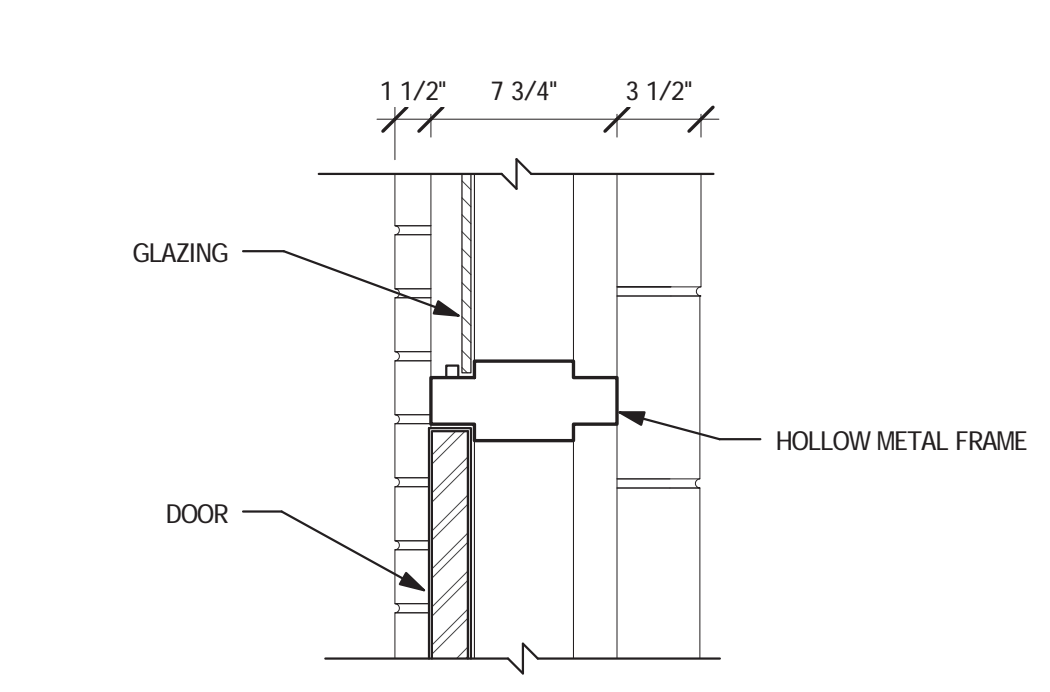
**2 DOOR HEAD - EXTERIOR**  
 A601 SCALE: 1 1/2" = 1'-0"



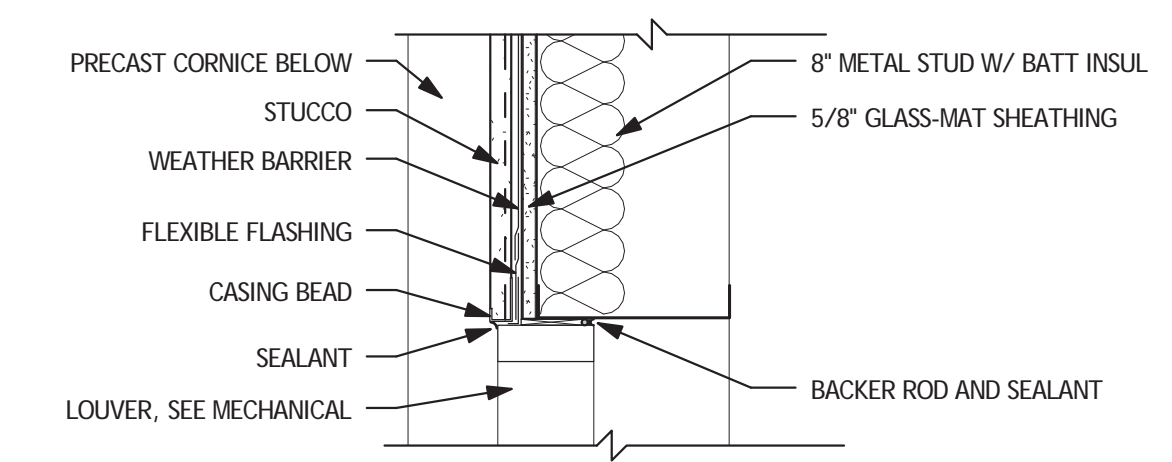
**8 TRANSOM HEAD**  
 A601 SCALE: 1 1/2" = 1'-0"



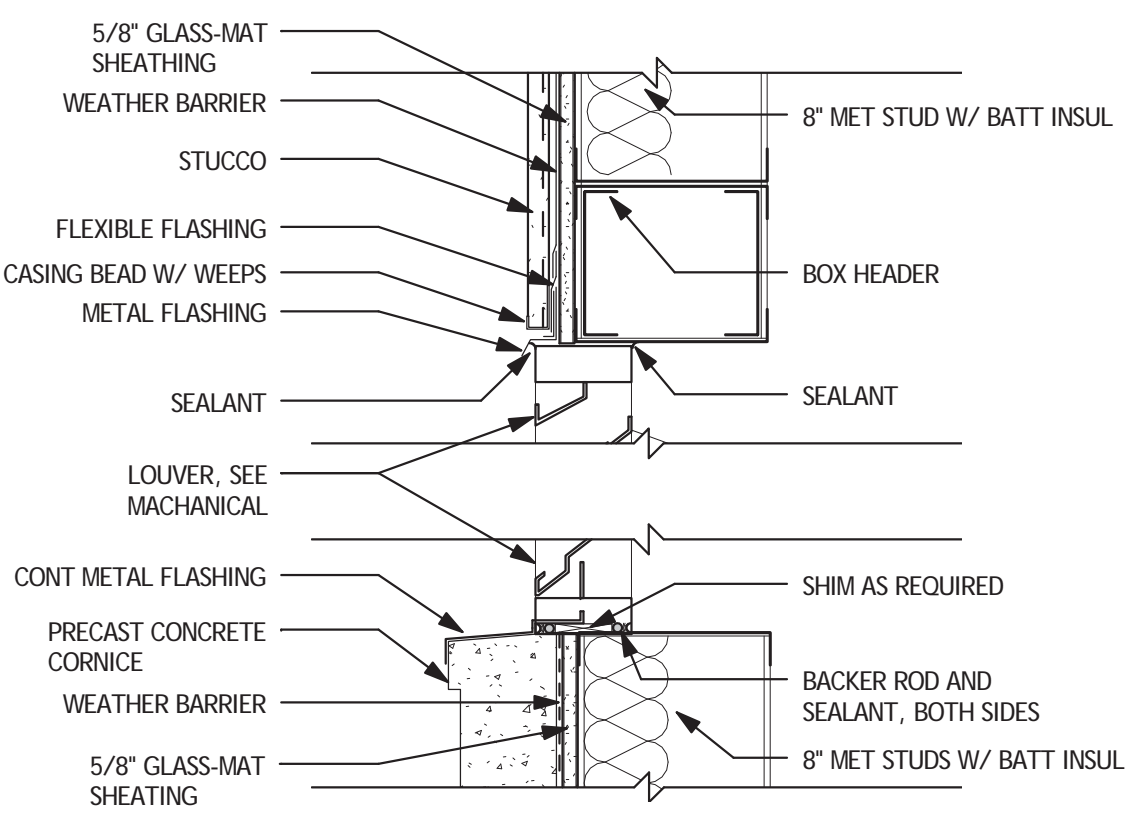
**3 DOOR SILL - EXTERIOR**  
 A601 SCALE: 1 1/2" = 1'-0"



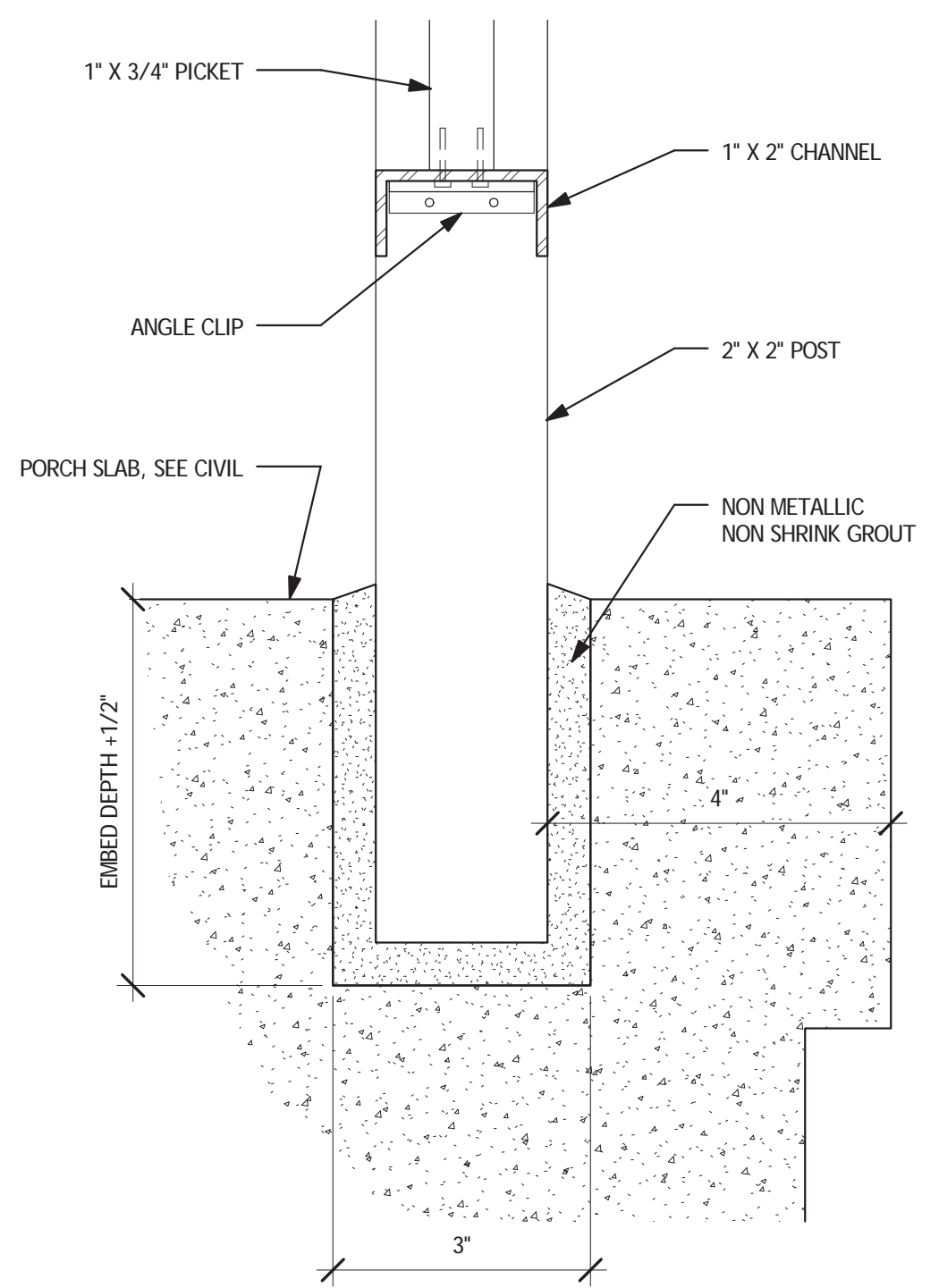
**9 TRANSOM DOOR HEAD**  
 A601 SCALE: 1 1/2" = 1'-0"



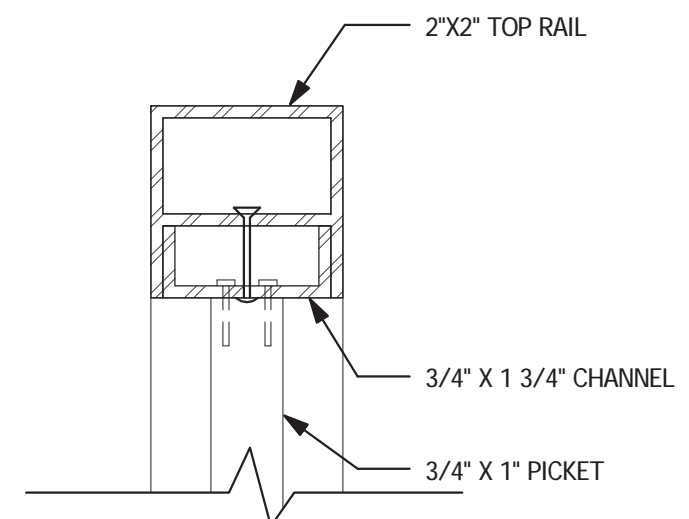
**5 LOUVER JAMB**  
 A601 SCALE: 1 1/2" = 1'-0"



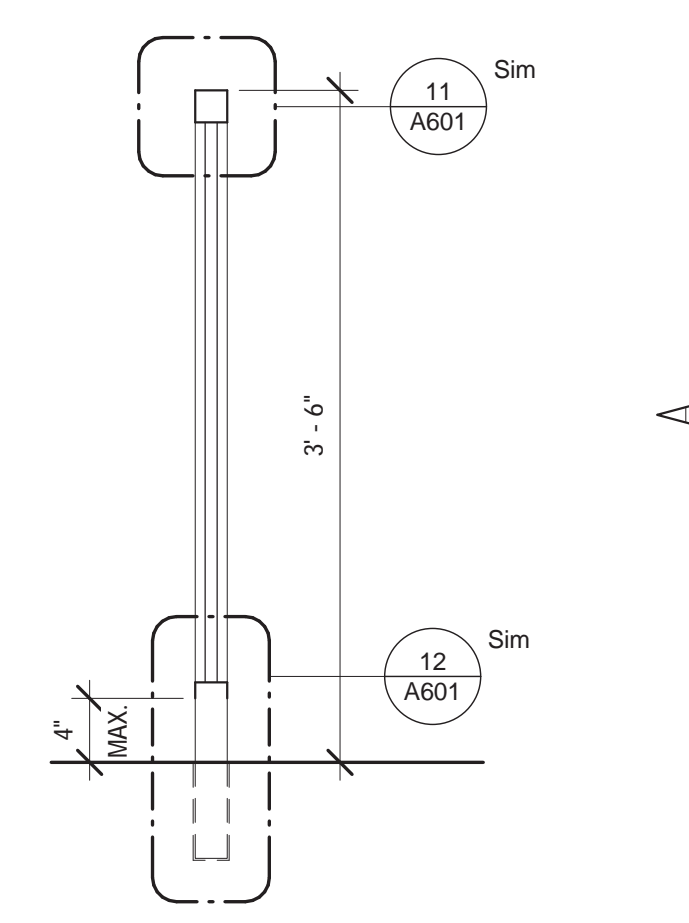
**4 LOUVER SECTION**  
 A601 SCALE: 1 1/2" = 1'-0"



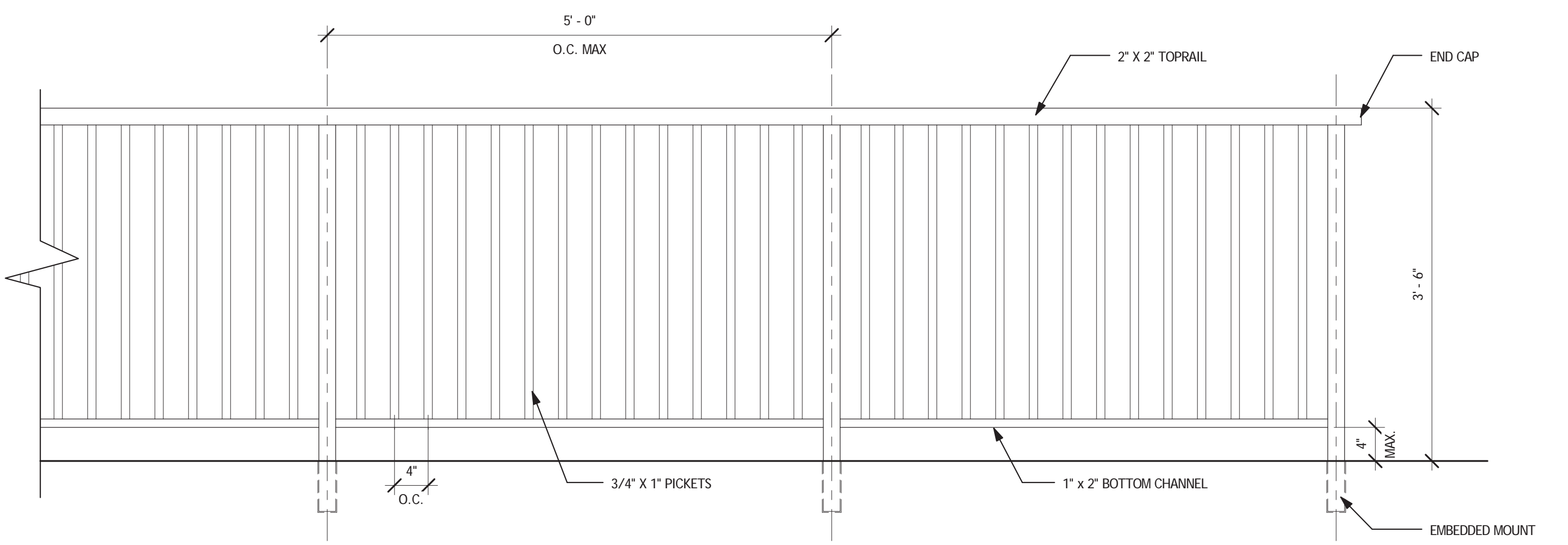
**12 BOTTOM RAIL DETAIL**  
 A601 SCALE: 6" = 1'-0"



**11 TOP RAIL DETAIL**  
 A601 SCALE: 6" = 1'-0"



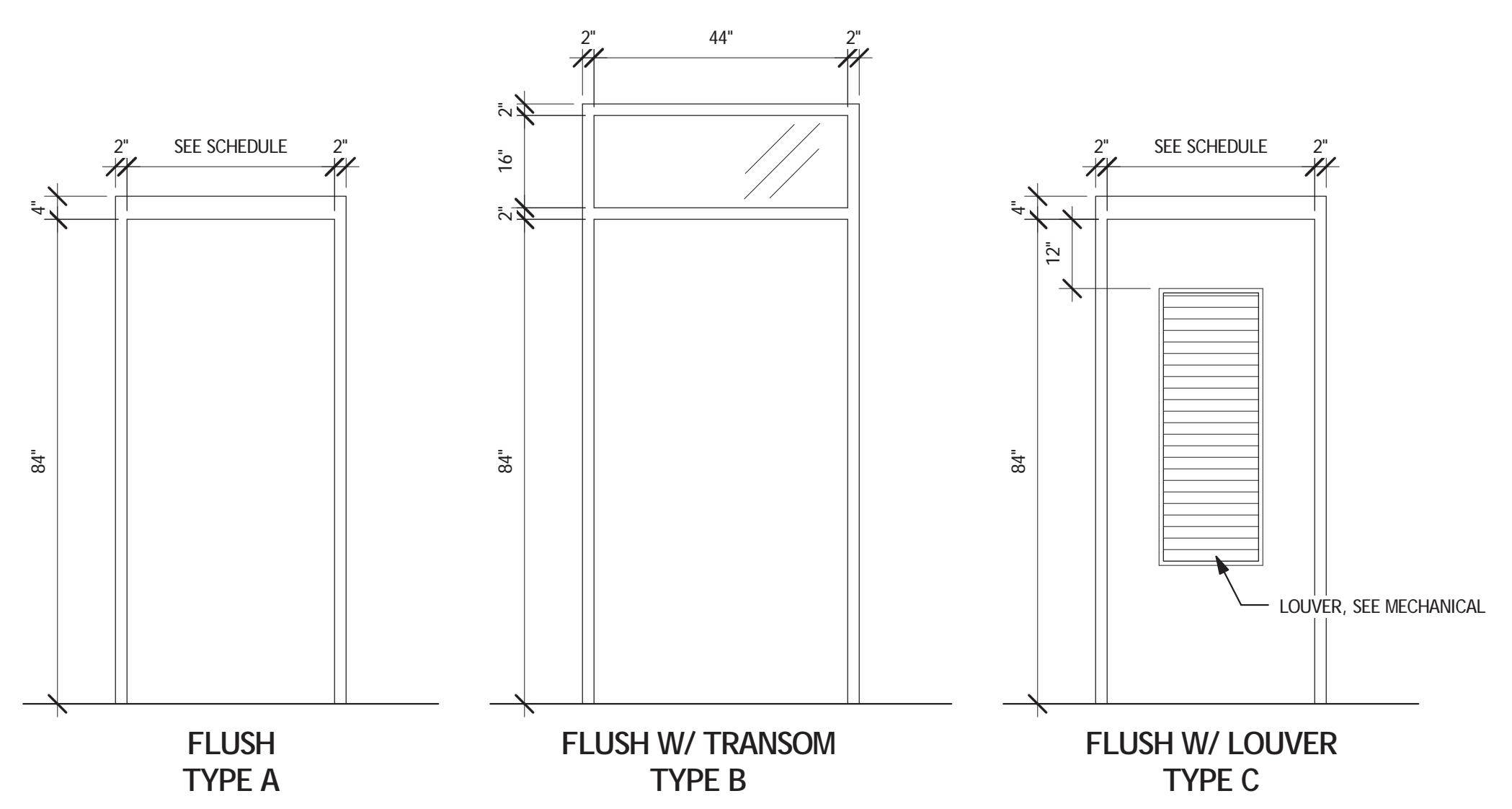
**10 GUARDRAIL SECTION**  
 A601 SCALE: 1" = 1'-0"



**6 GUARDRAIL ELEVATION**  
 A601 SCALE: 1" = 1'-0"

MARK	TYPE	DOOR					FIRE RATING	HARDWARE SET	FRAME			COMMENTS	
		WIDTH	HEIGHT	THICK	MATERIAL	FINISH			HEAD	JAMB	SILL		MATERIAL
101	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
102	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
103	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
104	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
105	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
106	B	3' - 8"	7' - 0"	1 3/4"	HM	EPX-4	2	8/9/A921	1/A921	3/A921	HM	EPX-4	
107	C	3' - 0"	7' - 0"	1 3/4"	HM	EPX-4	1	2/A921	1/A921	3/A921	HM	EPX-4	
109	A	3' - 0"	7' - 0"	1 3/4"	HM	EPX-4	3	2/A921	1/A921	3/A921	HM	EPX-4	

**DOOR TYPES**



ROOM FINISH SCHEDULE						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height
101	WOMEN DECON DIRTY	EPX-1	None	EPX-2	EPX-3	9' - 8"
102	NON-AMBULATORY DECON DIRTY	EPX-1	None	EPX-2	EPX-3	9' - 8"
103	MEN DECON DIRTY	EPX-1	None	EPX-2	EPX-3	9' - 8"
104	WOMEN DECON CLEAN	EPX-1	None	EPX-2	EPX-3	9' - 8"
105	NON-AMBULATORY DECON CLEAN	EPX-1	None	EPX-2	EPX-3	9' - 8"
106	MEN DECON CLEAN	EPX-1	None	EPX-2	EPX-3	9' - 8"
107	MECHANICAL	Unfinished	None	Unfinished	GYP BD	9' - 8"
108	DRESSING ROOM	EPX-1	None	EPX-2	EPX-3	9' - 8"

FINISH LEGEND			
FINISH	DESCRIPTION	TYPE	COLOR
EP-1	2 PART EPOXY-POLYAMIDE COATING	MPI 77	BY OWNER
EP-2	2 PART EPOXY-POLYAMIDE COATING	MPI 77	BY OWNER
EP-3	2 PART EPOXY-POLYAMIDE COATING	MPI 77	BY OWNER
EP-4	2 PART EPOXY-POLYAMIDE COATING	MPI 77	BY OWNER

EXTERIOR FINISH SCHEDULE			
LOCATION/ITEM	DESCRIPTION	TYPE	COLOR
FACE BRICK	MODULAR	FBS	MATCH EXISTING
GUARDRAIL	BAKED ENAMEL	KYNAR 500	MATCH ROOF
STUCCO	CEP	TT-P-1411	MATCH EXISTING
RETAINING WALL	PARGE COAT, CEP	MPI 77	MATCH STUCCO
SHEET METAL	FLUOROCARBON FINISH	AAMA 621	MATCH EXISTING
GUTTERS	FLUOROCARBON FINISH	AAMA 621	MATCH EXISTING
DOWNSPOUTS	FLUOROCARBON FINISH	AAMA 621	MATCH EXISTING
STANDING SEAM METAL ROOF	FLUOROCARBON FINISH	BY MANUFACTURER	MATCH EXISTING
DOWNSPOUT BOOTS	EXTERIOR ALKYD, FLAT	MPI 8	BY OWNER

NOTE: MATCH EXISTING REFERS TO MATCHING THE FINISH COLOR OF THE SAME ELEMENT IN THE ADJACENT BUILDING (BUILDING 30)

Revisions	Date

Consultants:  
 Seal:  
 A/E:

Seal:

A/E:   
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
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 MAINTENANCE SUPERVISOR  
 MAINTENANCE FOREMAN  
 MAINTENANCE FOREMAN

Approved: Service Engineer  
 Approved: Service Director

**DOOR AND FINISH SCHEDULES AND DETAILS**

Project Title: **VA Gulf Coast Decontamination Unit**  
 Date: 6/30/2015 4:23:32 PM  
 Project No.: 520-13-136  
 Building Number: XX  
 Checked: MP  
 Drawn: IP  
 Location: VAMC BILOXI, MS  
 DRAWING NO.: **A601**  
 Dwg. Of:  

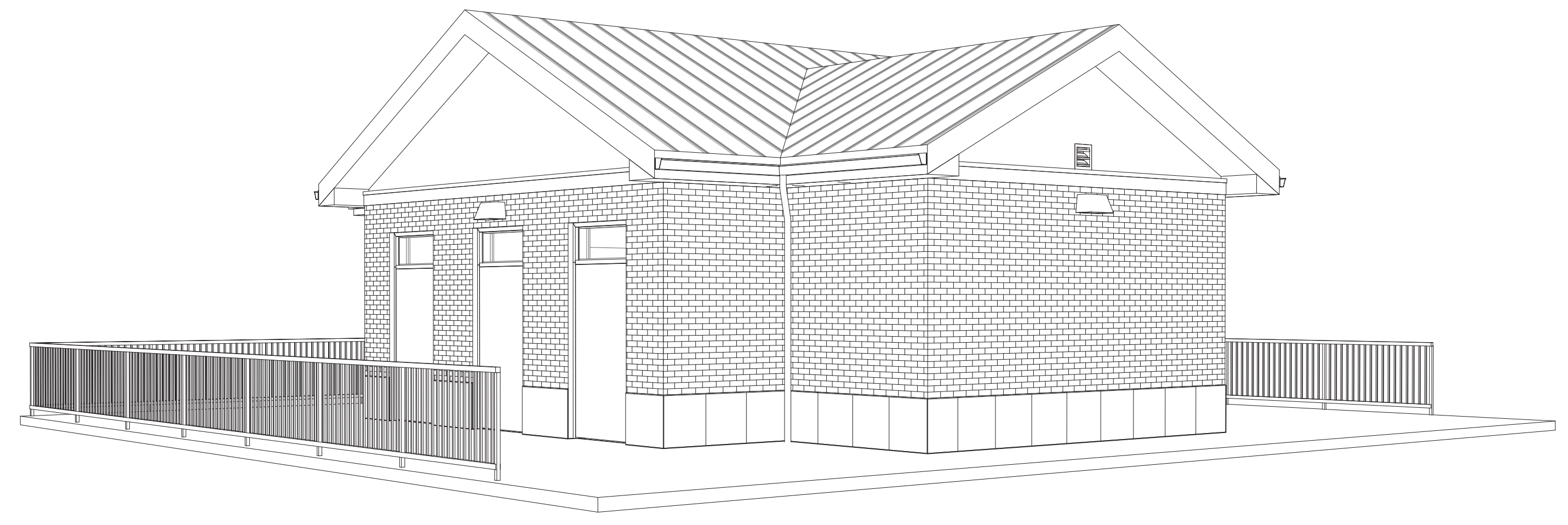
**FOR CONSTRUCTION**

Department of Veterans Affairs

3-D VIEWS FOR DIAGRAMMATIC PURPOSES ONLY



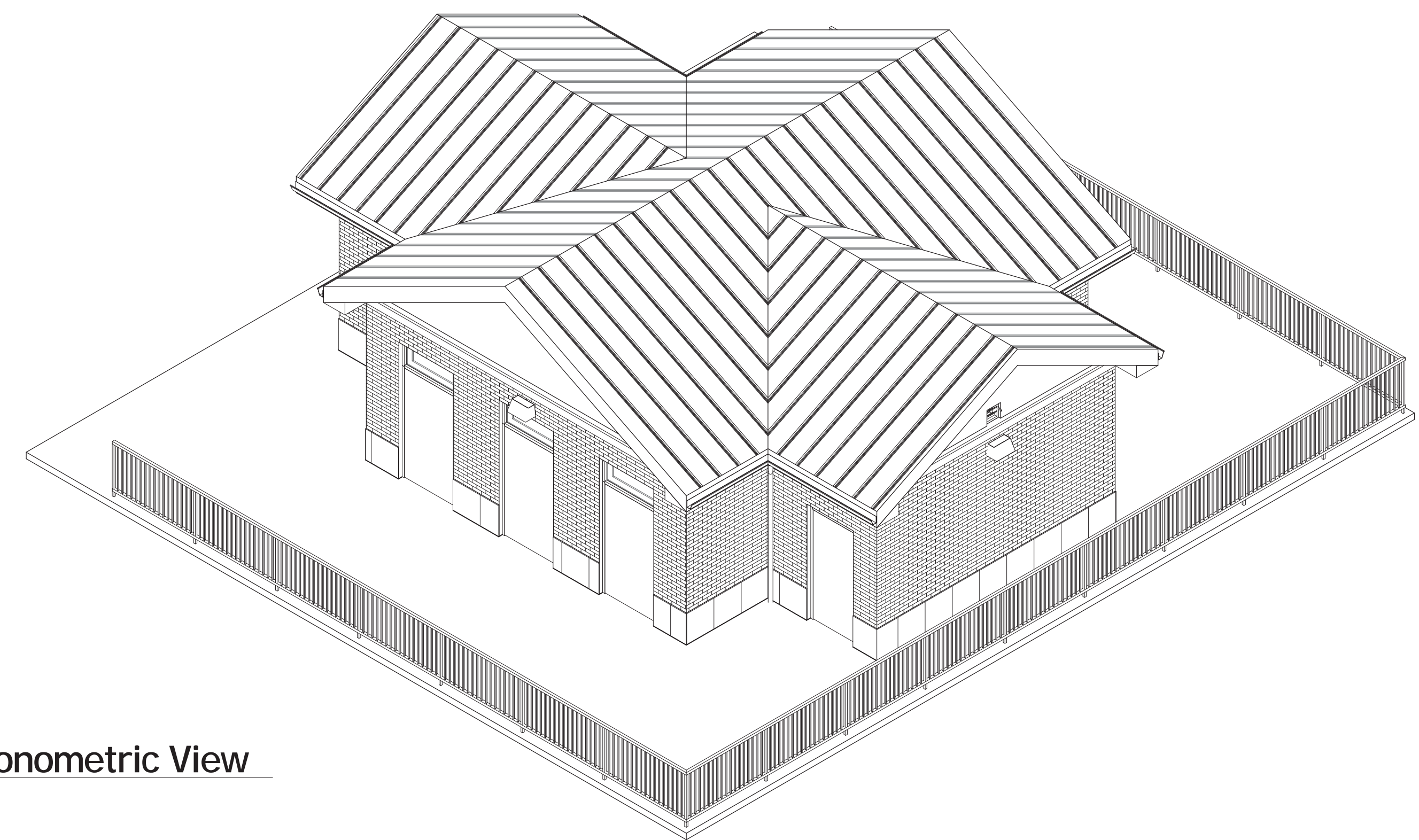
1  
A901  
3D View From South  
SCALE:



2  
A901  
3D View from Southeast  
SCALE:



3  
A901  
3D View from Northwest  
SCALE:

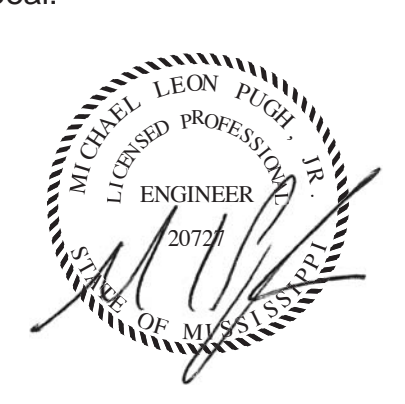


4  
A901  
Axonometric View  
SCALE:

three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

Revisions	Date

Consultants:

Seal:  


A/E:  
  
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 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title  
**3-D VIEWS**  
 Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title  
**VA Gulf Coast  
 Decontamination Unit**  
 Building Number: XX  
 Checked: MP  
 Drawn: IP  
 Location: VAMC BILOXI, MS

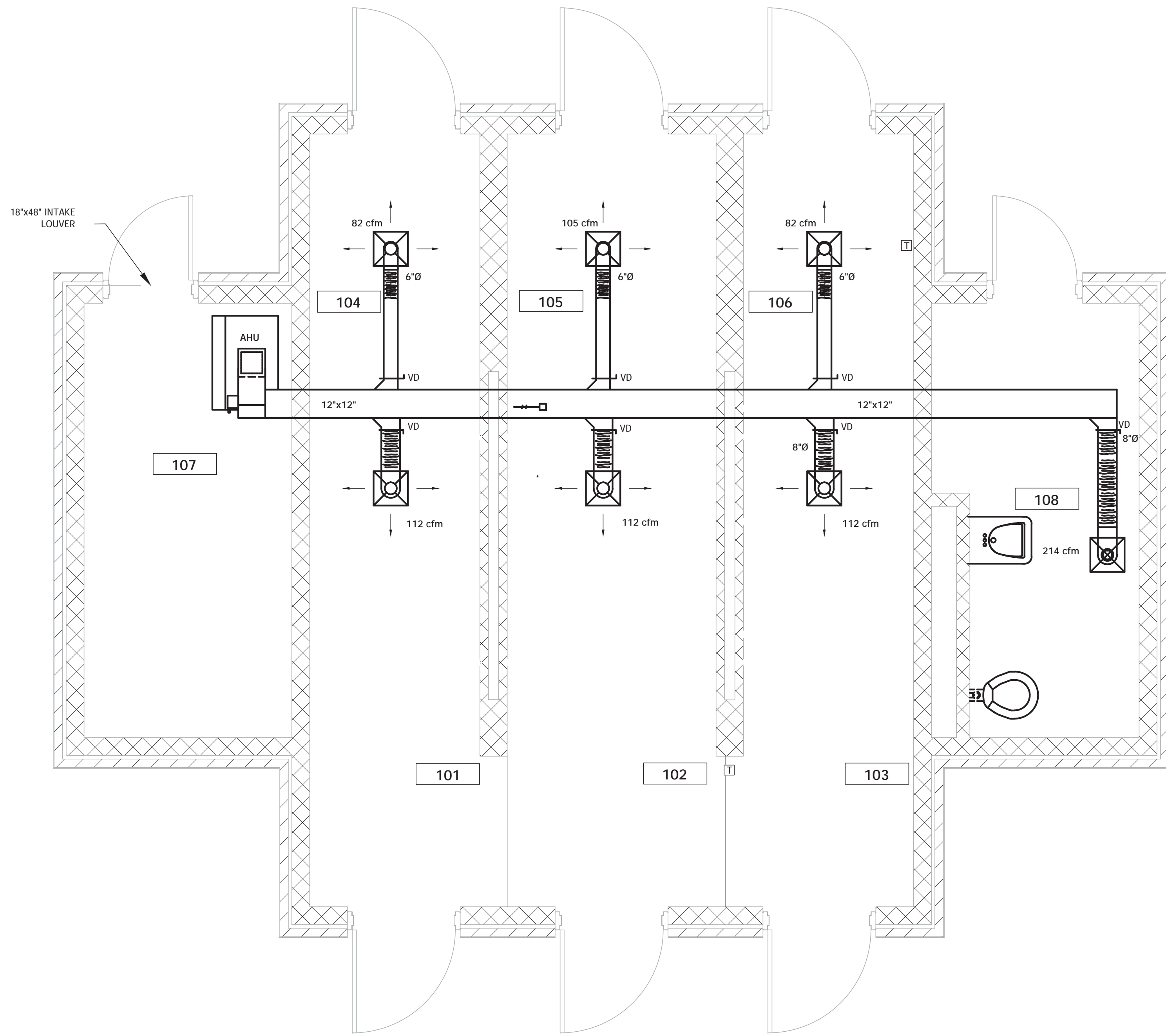
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 Project No.: 520-13-136  
 DRAWING NO.: **A901**  
 Dwg. of \_\_\_\_\_

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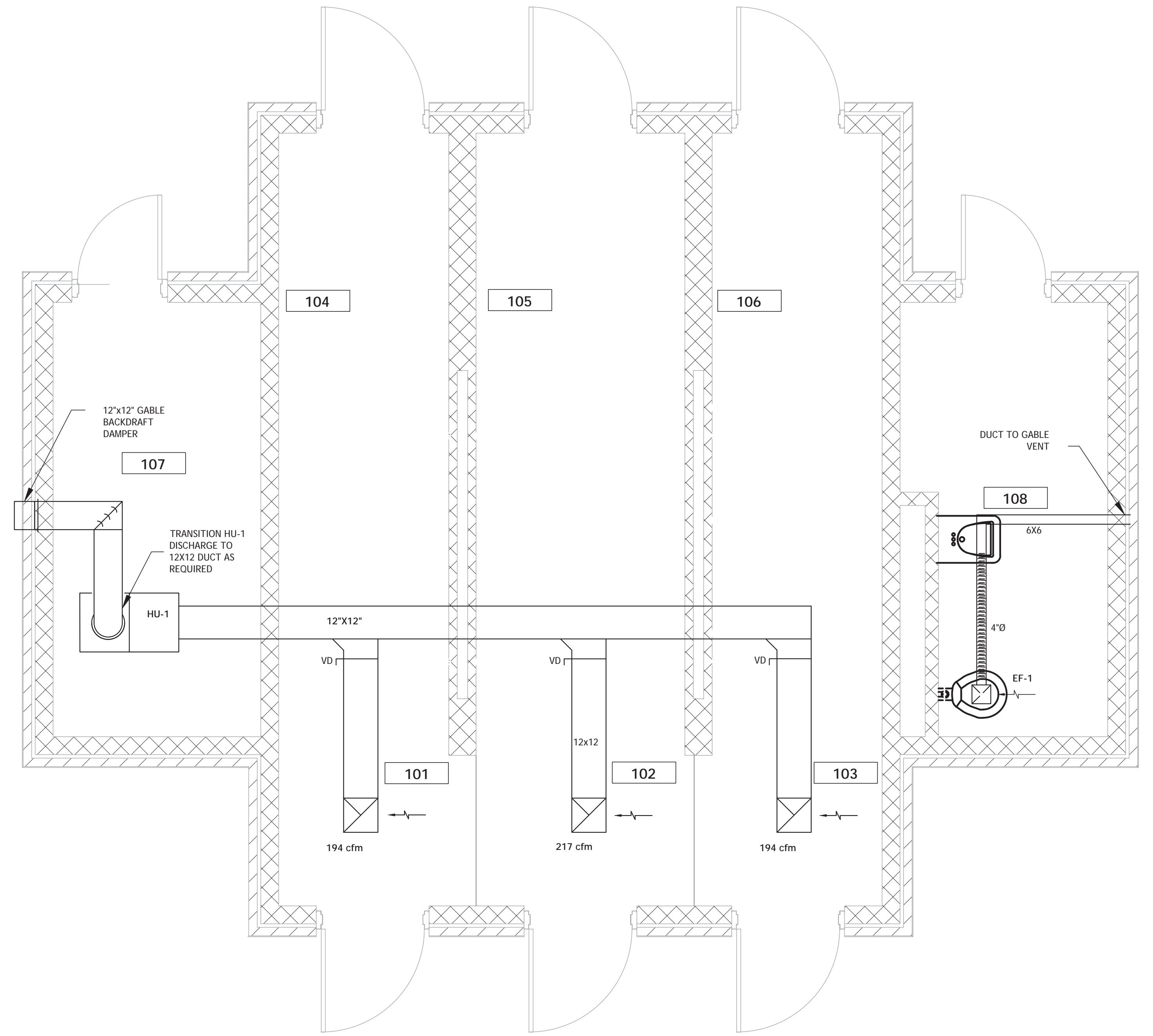


Department of Veterans Affairs  
 Office of Facilities





1 HVAC SUPPLY PLAN  
M201 SCALE: 3/8" = 1'-0"



2 HVAC EXHAUST PLAN  
M201 SCALE: 3/8" = 1'-0"

AIR HANDLING UNIT CHILLED WATER COIL DATA				AHU DATA	
REQUIRED SENSIBLE COOLING, BTUH	REQUIRED LATENT COOLING, BTUH	CFM	SYSTEM E.S.P., IN H <sub>2</sub> O	AVAILABLE CHILLED WATER DIFFERENTIAL, PSI	FAN H.P.
33,000	26,000	808	.63	10	1

ELECTRIC HEAT DATA			EXHAUST FAN DATA			
UNIT	REQUIRED HEAT, KW	VOLT/PH	UNIT	CFM	STATIC VOLT/PH	HP
DH-1	17	480/3	EF-1	80	.25"	110/1 .125
			HU-1	1200	.25"	110/1 .33

**NOTES:**

DH-1 SHALL BE 2 STAGE MINIMUM WITH CORRESPONDING STAGED HEAT THERMOSTAT.

EF-1 AND HEPA UNIT (HU-1) SHALL BE INTERLOCKED TO RUN WITH AHU-1 IN ADDITION TO LOCAL HAND CONTROLS.

HU-1 SHALL BE EQUIPPED WITH A LOCAL VARIABLE SPEED CONTROLS. DURING DECON EVENT, EXHAUST RATE OF DECON AREA TO BE INCREASED BY ADJUSTING WALL MOUNTED HU-1 SPEED CONTROLLER.

INSTALL PERMANENT FLOW METER ON CWS PIPING

DUCT SHALL HAVE A MINIMUM 1" PRESSURE CLASSIFICATION, BASED ON MAXIMUM 1500 FPM

ROUTE MAIN CONDENSATE FROM AHU TO NEAREST DRAIN.

FLEX DUCT SHALL TRANSITION TO RIGID ELBOWS TO THE DIFFUSERS

RECT ELBOWS SHALL BE RADIUS TYPE

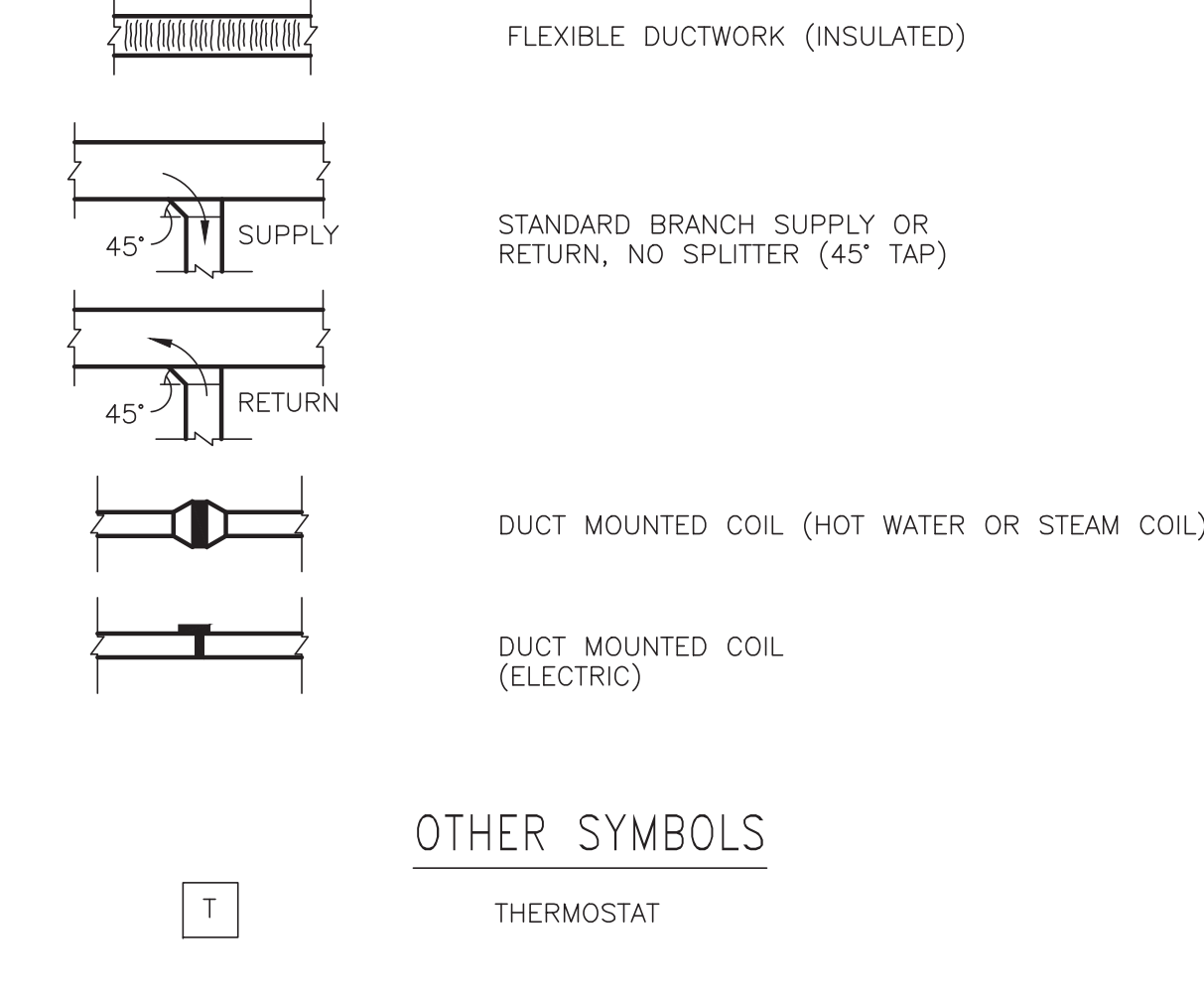
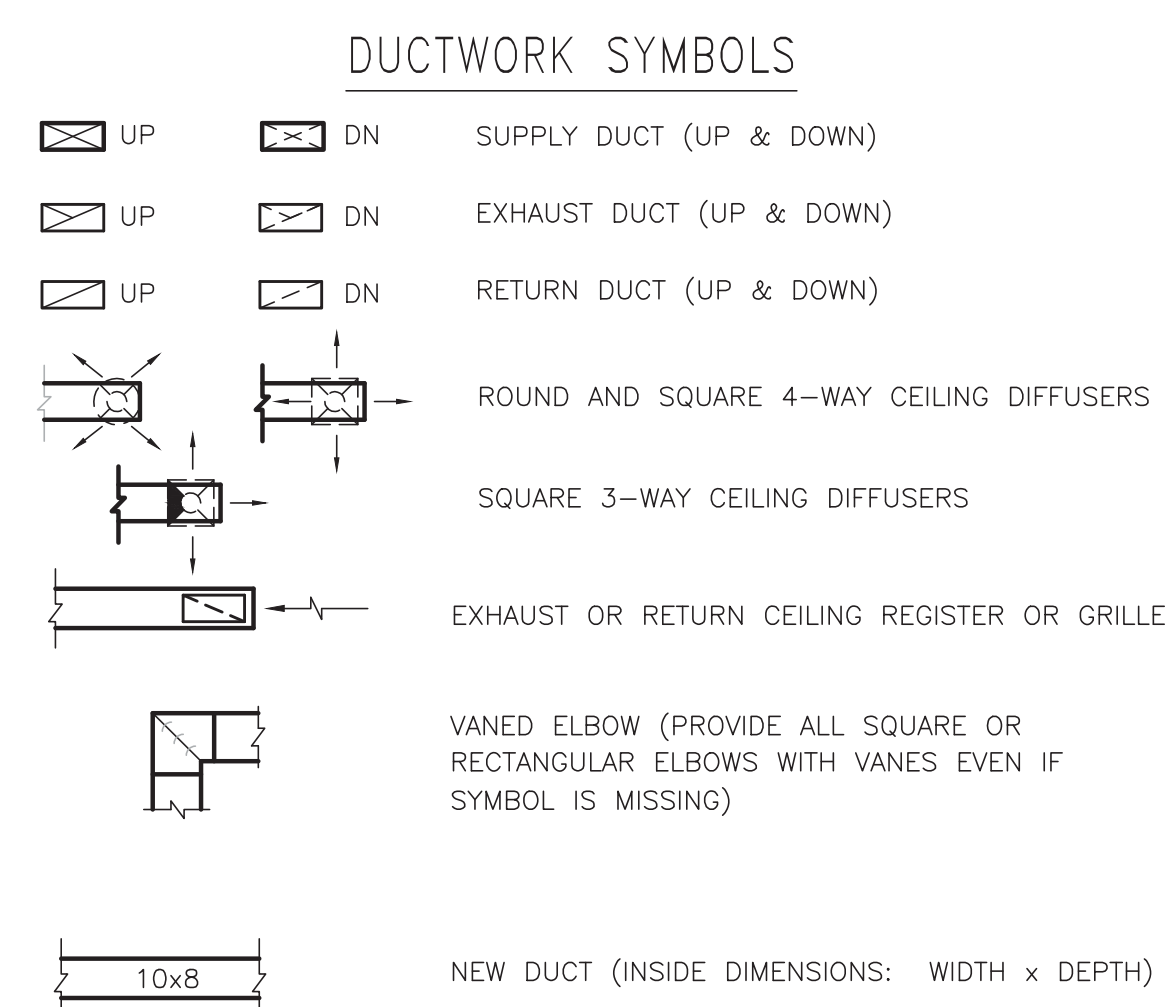
SUPPLY DIFFUSER BASIS OF DESIGN IS TITUS TDV, 8" ROUND NECK, MAX .08" PRESS. LOSS. EXHAUST GRILL BASIS OF DESIGN IS TITUS 350RL, MAX .02" PRESS. LOSS

TOP OF DOOR LOUVER SHALL BE INSTALLED 12" FROM TOP OF DOOR PANEL.

HANG HU-1 WITH THREADED RODS GALV. STRUT TYPE CHANNELS. BOTTOM OF STRUCTURAL SUPPORTS SHALL BE AT 78".

GABLE EXHAUST BACKDRAFT DAMPERS BASIS OF DESIGN GREENHECK WD300 SERIES.

CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR AND MATERIALS REQUIRED TO PROVIDE SUPERVISION OF THE DECON BUILDING HVAC SYSTEM BY THE VA COMPLEX MAIN BUILDING AUTOMATION SYSTEM. CONTRACTOR SHALL DETERMINE AND COORDINATE REQUIREMENTS PRIOR TO BID.



Revisions	Date

Consultants:

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MAINTENANCE SUPERVISOR \_\_\_\_\_  
MAINTENANCE FOREMAN \_\_\_\_\_  
MAINTENANCE FOREMAN \_\_\_\_\_

**HVAC PLAN**

Approved: Service Engineer \_\_\_\_\_  
Approved: Service Director \_\_\_\_\_

Project Title: **VA Gulf Coast Decontamination Unit**

Date: 7/17/2015

Project No.: 520-13-136

Drawing No.: **M201**

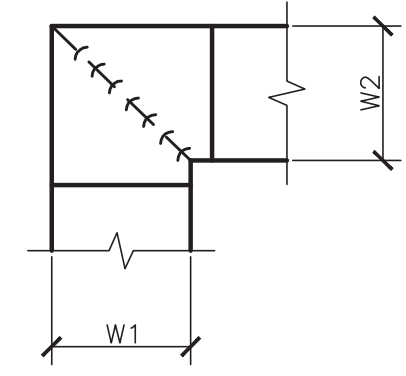
Dwg. Of: \_\_\_\_\_

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Office of Facilities

Department of Veterans Affairs

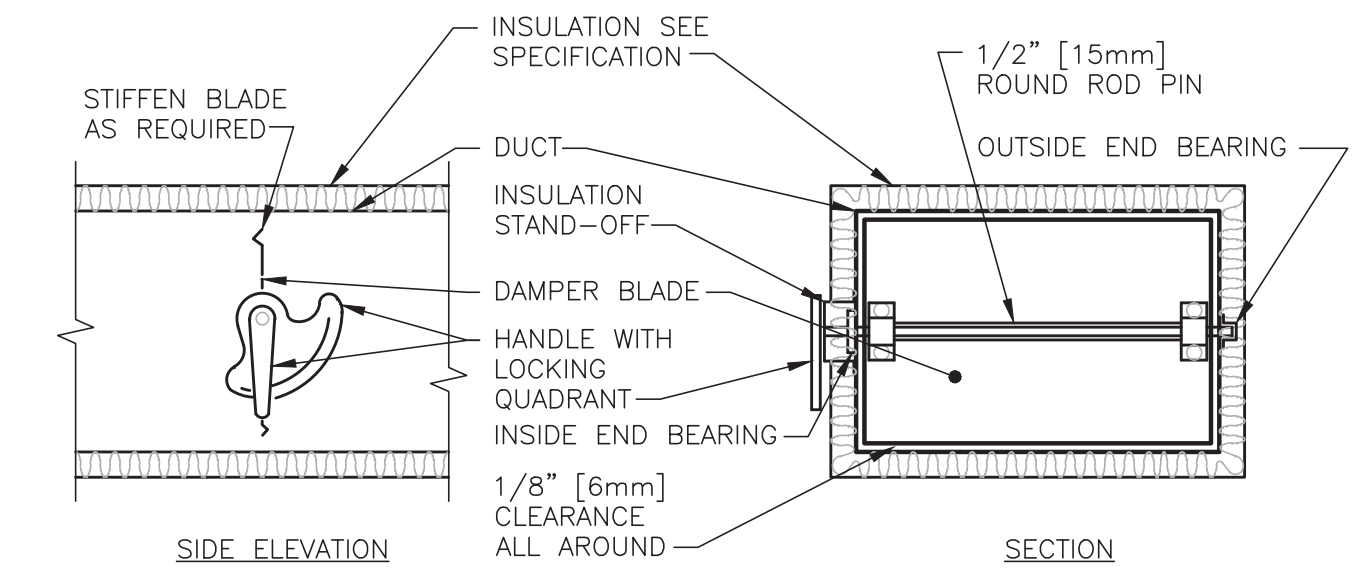
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 one-half inch = one foot  
 one-quarter inch = one foot  
 three-eighths inch = one foot  
 one-half inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



- NOTE:**
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
  2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
  3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES AND A 3/4" [20mm] TRAILING EDGE.
  4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" [500mm] VANES SHALL BE DOUBLE VANE TYPE.

**1 DUCTWORK SQUARE VANE ELBOWS**

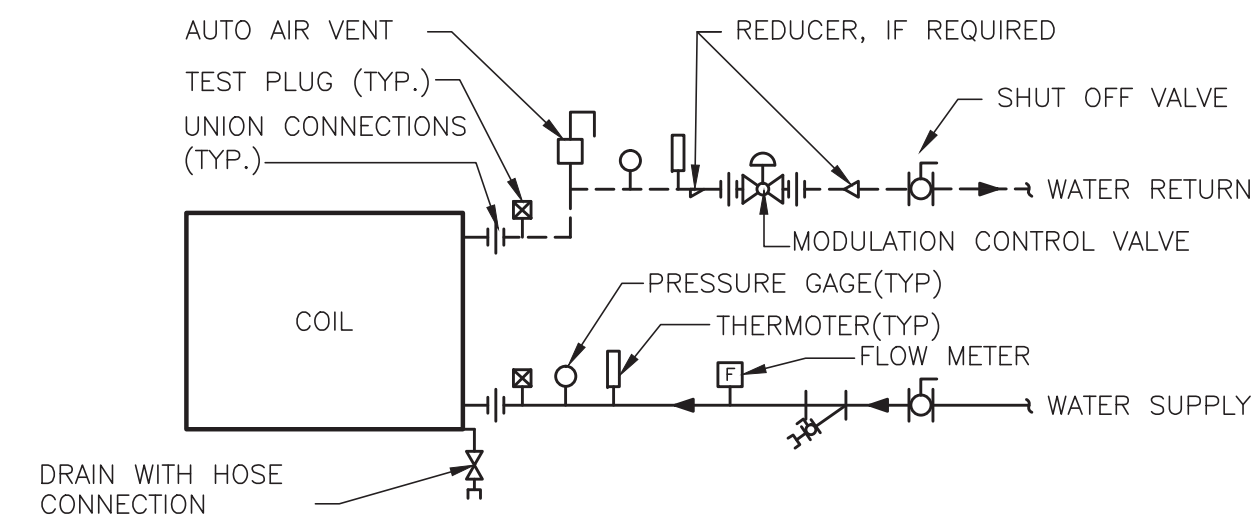
NTS



- NOTE:**
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
  2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

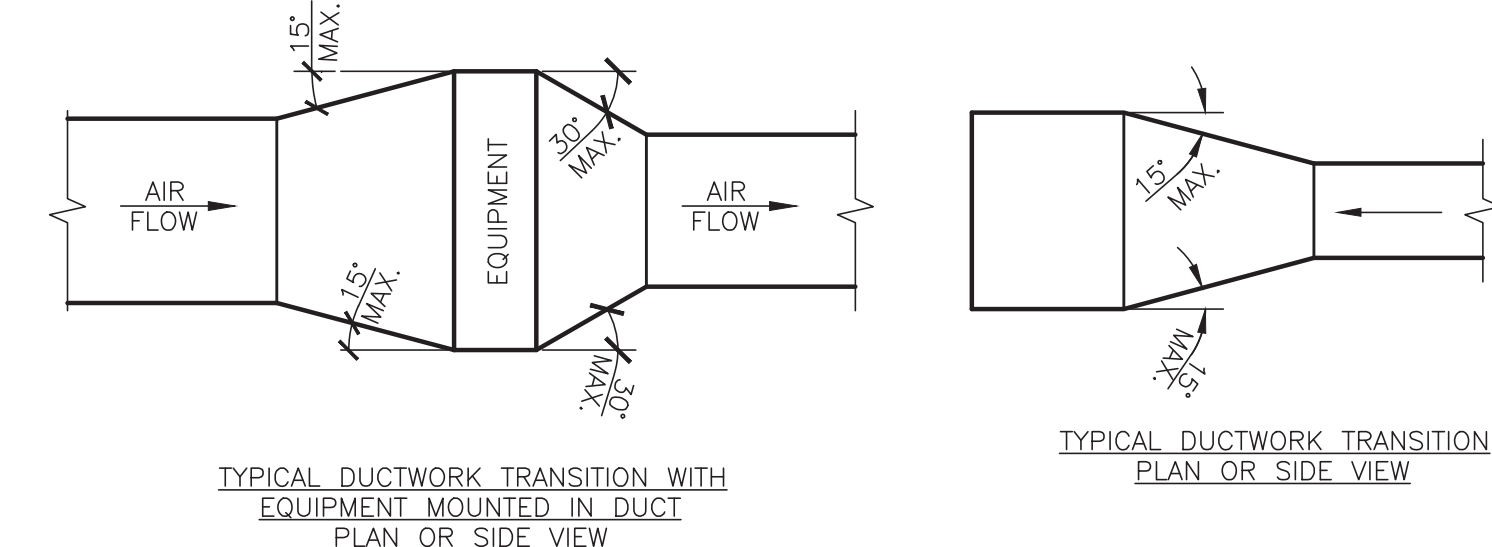
**2 VOLUME DAMPER DETAIL**

NTS



**3 TERMINAL UNIT WATER COILS - PIPING CONNECTIONS**

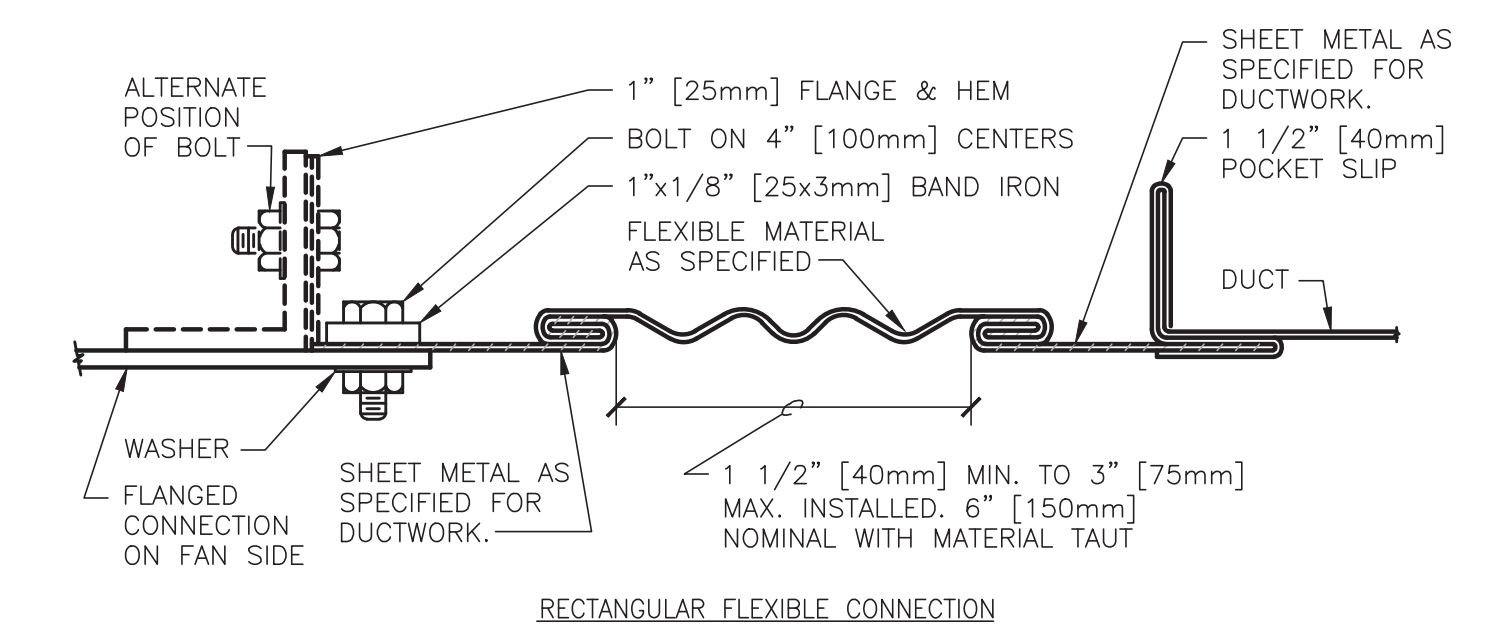
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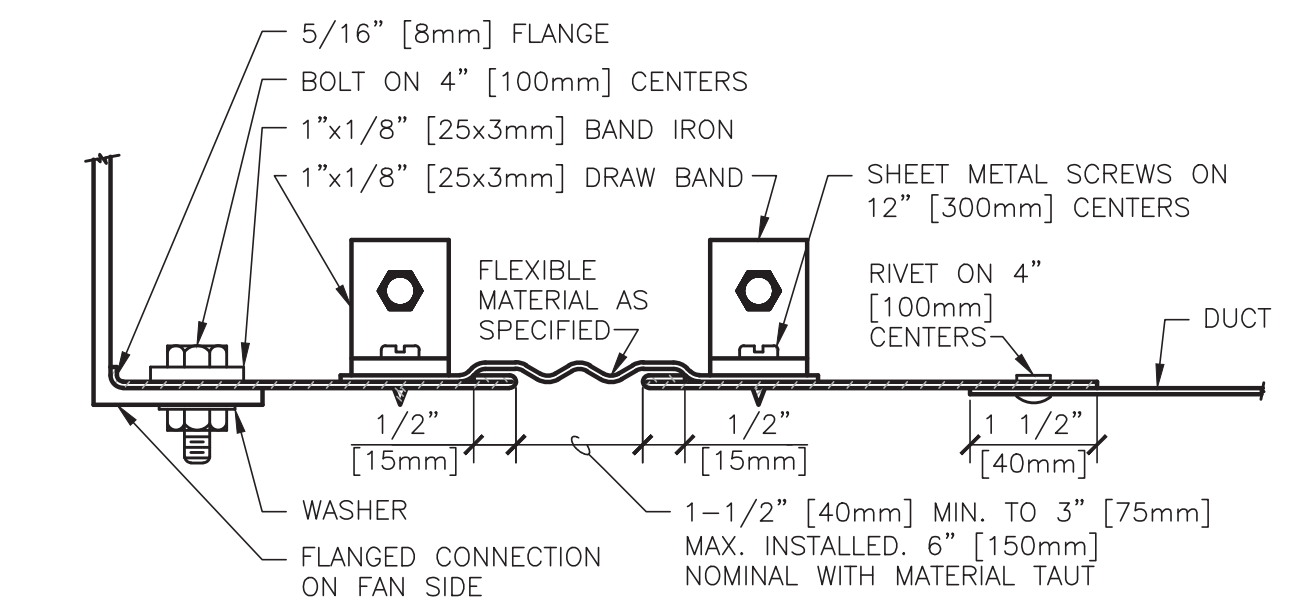
**NOTE:** UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

**4 DUCTWORK TRANSITIONS (WITH EQUIPMENT MOUNTED IN DUCT)**

NTS



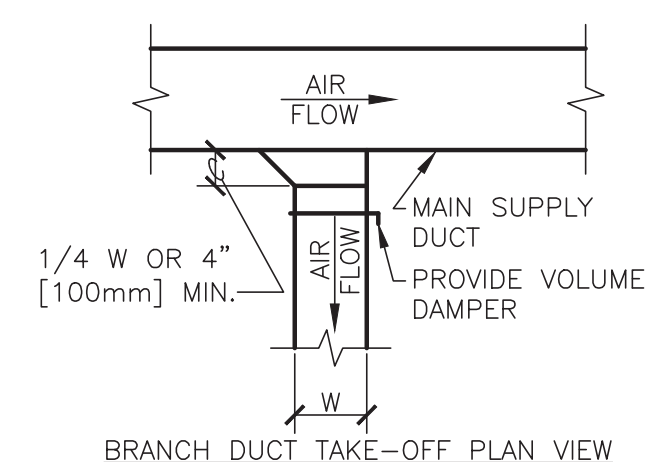
RECTANGULAR FLEXIBLE CONNECTION



ROUND FLEXIBLE CONNECTION

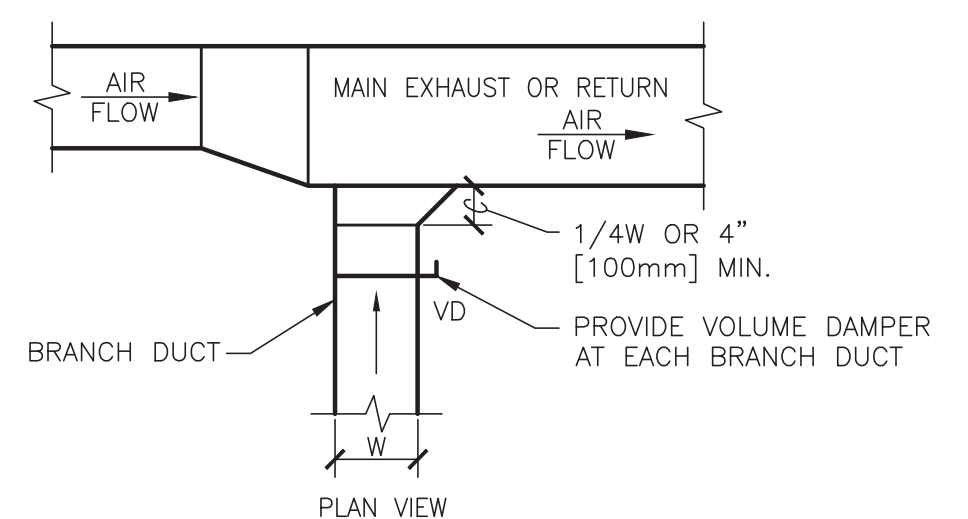
**5 FLEXIBLE DUCT CONNECTIONS**

NTS



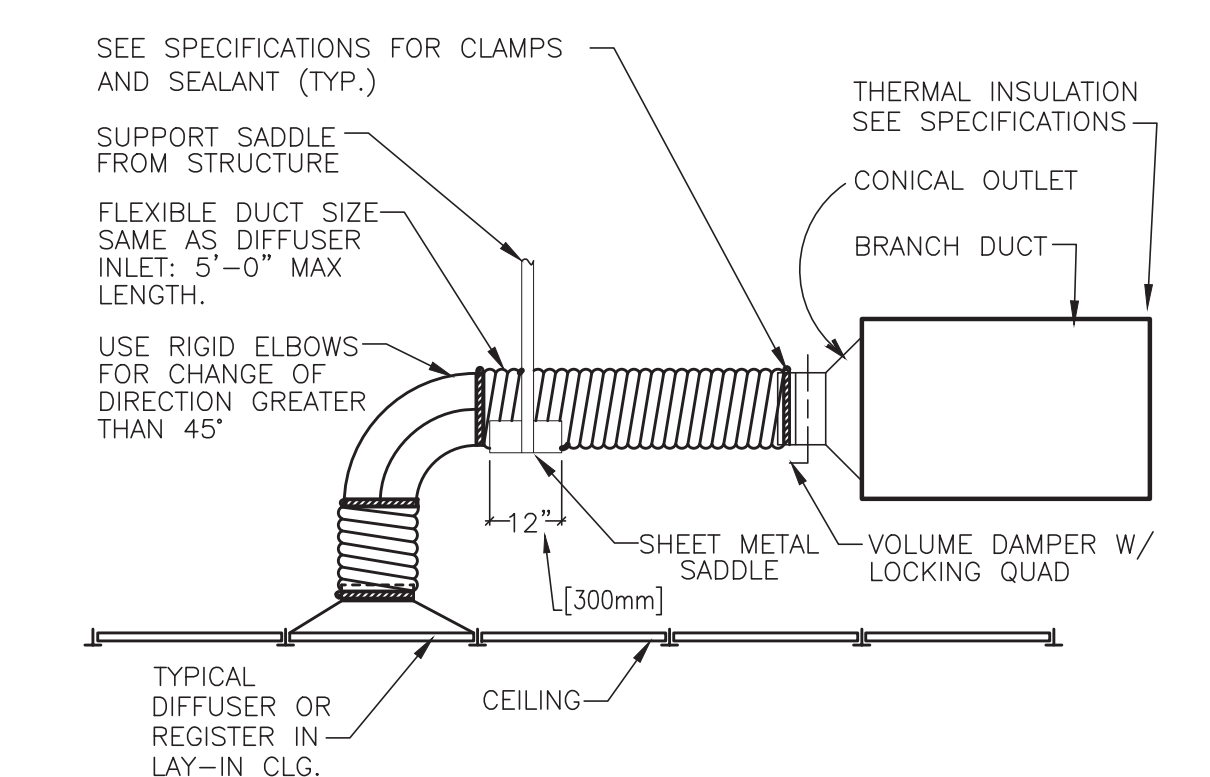
**6 SUPPLY DUCTWORK TAKE-OFF**

NTS



**7 EXHAUST OR RETURN BRANCH DUCTWORK**

NTS



**NOTE:** THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

**8 FLEXIBLE AIR DUCT CONNECTOR**

NTS

Revisions	Date

Consultants:

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SAFETY/INDUSTRIAL HYGIENE	_____
HEALTH SYSTEM SPECIALIST	_____
MAINTENANCE SUPERVISOR	_____
MAINTENANCE FOREMAN	_____
MAINTENANCE FOREMAN	_____

**MISC HVAC DETAILS**

Approved: Service Engineer	Building Number	Checked	Drawn
	XX	MJ	ACM
Approved: Service Director	Location	VAMC BILOXI, MS	

Project Title: **VA Gulf Coast Decontamination Unit**

Date: 7/17/2015

Project No.: 520-13-136

DRAWING NO.: **M202**

Dwg. Of: \_\_\_\_\_

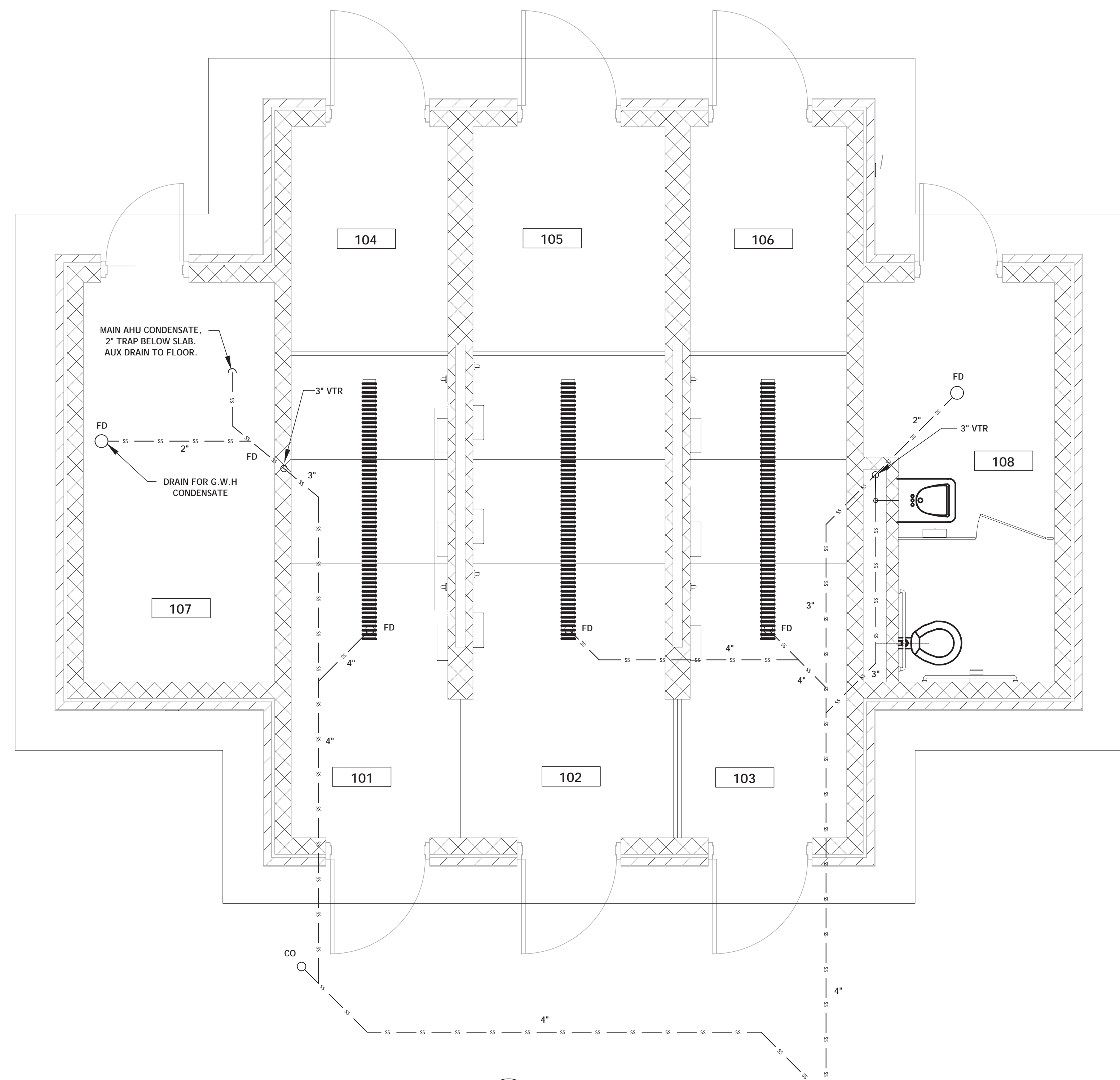
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Office of Facilities

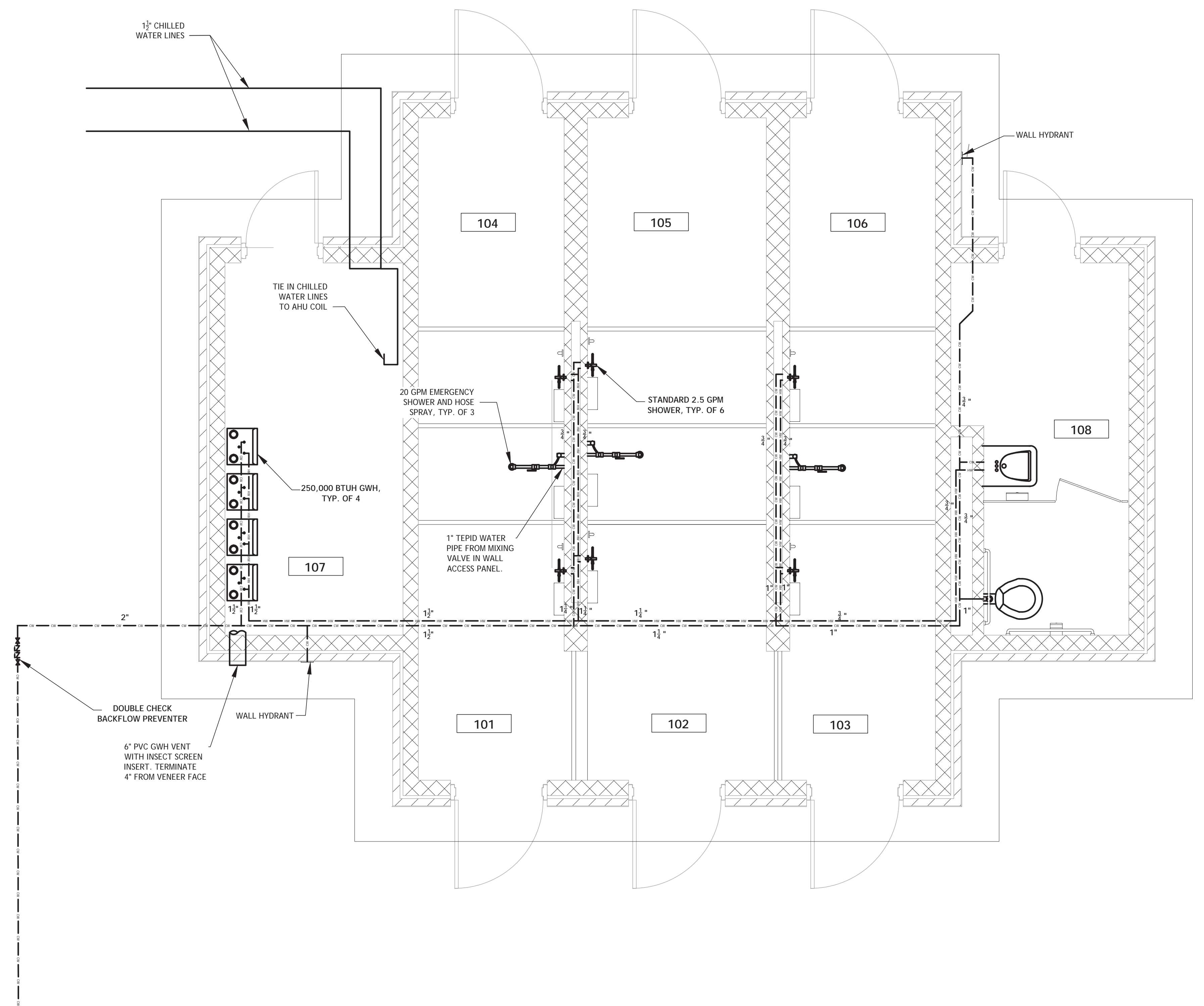
Department of Veterans Affairs



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**1 PLUMBING (SEWER) PLAN**  
 M301 SCALE: 3/8" = 1'-0"



**2 PLUMBING (WATER) PLAN**  
 M301 SCALE: 3/8" = 1'-0"

**NOTES:**  
 FURNISH AND INSTALL CHILLED WATER SOLENOID AND ISOLATION VALVES. IN ADDITION TO OTHER ACCESSORIES AS RECOMMENDED BY THE AHU VENDOR FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.  
 INSTALL EMERGENCY SHOWER THERMOSTATIC MIXING VALVE IN FLUSH, S.S., WATERTIGHT CABINET IN WALL. CABINET BOTTOM TO BE 54" AFF.  
 EMERGENCY SHOWER SUPPLY PIPE SHALL EXIT WALL HORIZONTALLY AND CONNECT TO SHOWER SIDE CONNECTION. TOP CONNECTION SHALL REMAIN PLUGGED.  
 CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT NECESSARY TO MONITOR UNDERGROUND SEWAGE STORAGE TANK. SEE SPECIFICATIONS AND SHEET FOR M101 FOR MORE INFO.

**PLUMBING LEGEND**

- |        |                       |
|--------|-----------------------|
| — CW — | NEW COLD WATER PIPING |
| — HW — | NEW HOT WATER PIPING  |
| — SS — | NEW SANITARY SEWER    |
| — G —  | NEW GAS PIPING        |
| CO     | SEWER CLEAN OUT       |
| FD     | FLOOR DRAIN           |
| FCO    | SEWER FLOOR CLEANOUT  |
| WH     | WALL HYDRANT          |
| VTR    | VENT TO ROOF          |
| VT     | VENT                  |
| GWH    | GAS WATER HEATER      |
| BFP    | BACKFLOW PREVENTER    |

Revisions	Date

Consultants:

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 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

**PLUMBING PLAN**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title: **VA Gulf Coast Decontamination Unit**

Date: 7/17/2015

Project No.: 520-13-136

DRAWING NO.: **M301**

Dwg. Of: \_\_\_\_\_

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