

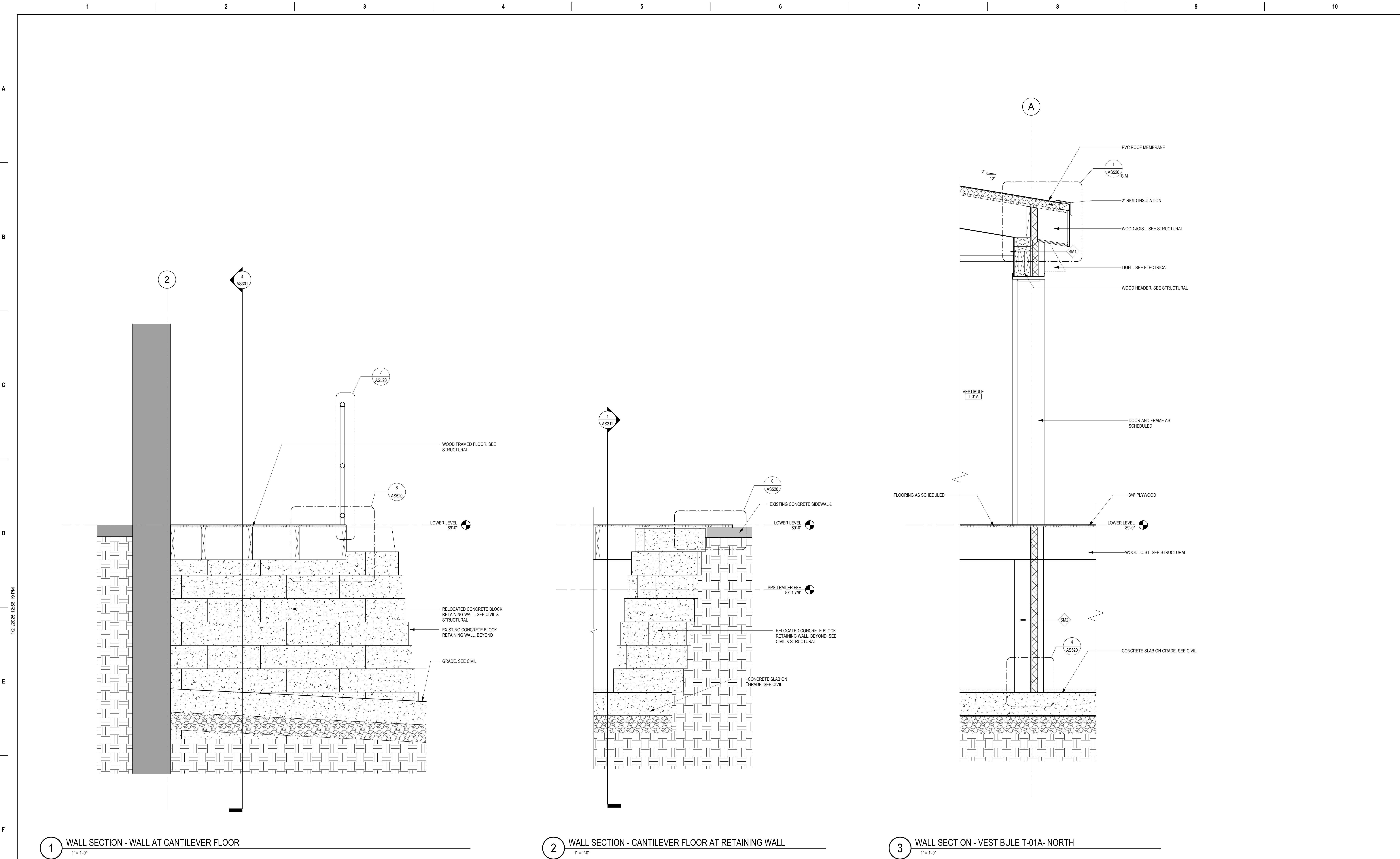
1 WALL SECTION - TEMPORARY TRAILER WALL - TYPICAL  
1" = 1'-0"

2 WALL SECTION - TRAILER CONNECTOR - EAST/WEST - TYPICAL  
1" = 1'-0"

3 WALL SECTION - SPD TRAILER CONNECTOR OPENING AT SPD TRAILER DOOR  
1" = 1'-0"

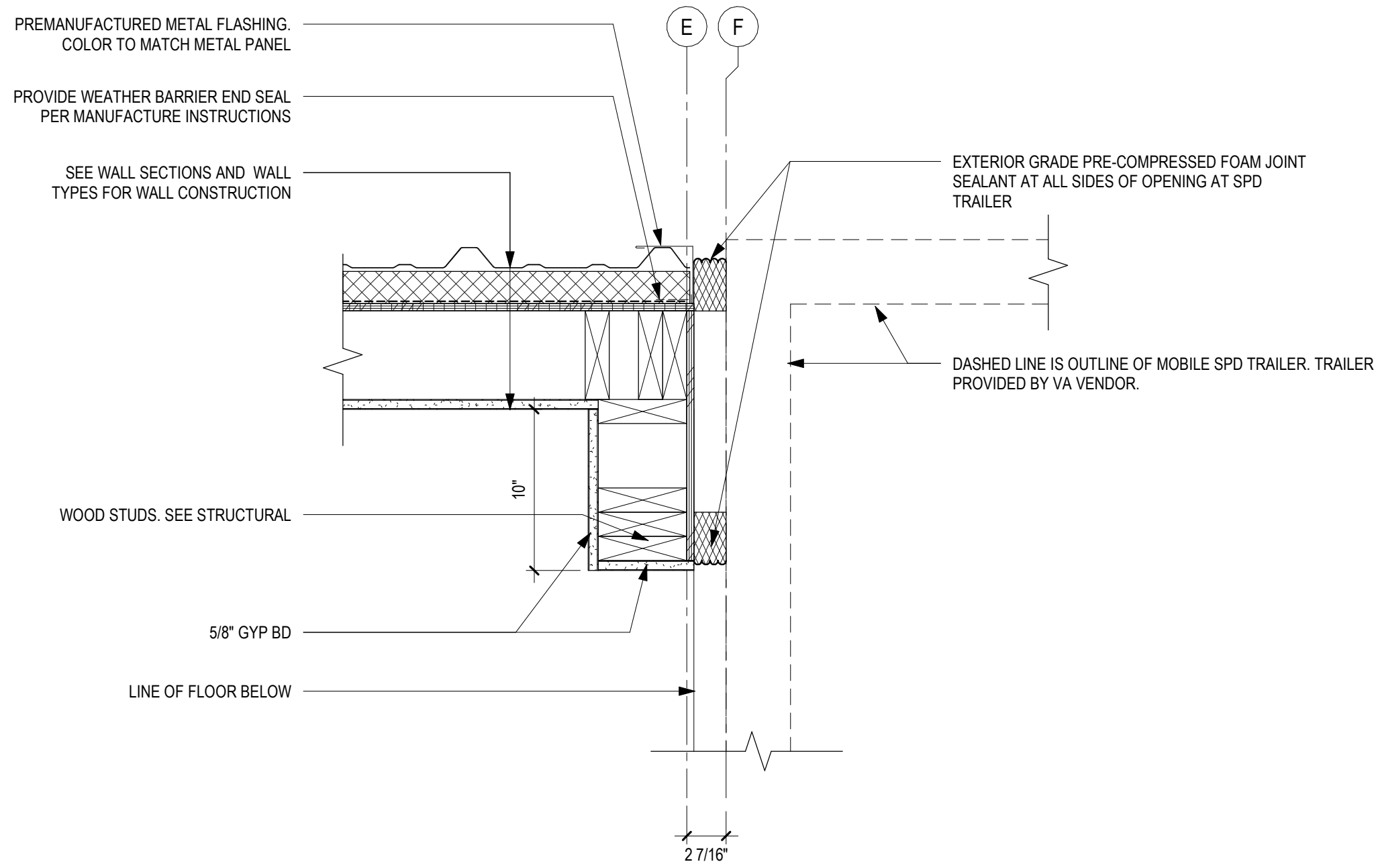
<div>Revisions:</div>		<div>CONSULTANT</div> <div>IMEG</div> <div>2882 106TH STREET DES MOINES IA 50322</div>		<div>DESIGNER OF RECORD</div> <div>ANDERSON</div> <div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639</div>		<div>STAMP</div> <div></div> <div>Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs</div>		<div>Drawing Title</div> <div>WALL SECTIONS - TEMP ENCLOSURE</div> <div>Approved:</div>		<div>Phase</div> <div>BID DOCUMENTS</div> <div>FULLY SPRINKLERED</div>		<div>Project Title</div> <div>PERFORM SITE PREP FOR SPS EQUIPMENT</div> <div>Location FARGO, ND</div> <div>Issue Date 1/22/2025</div> <div>Checked JLU</div> <div>Drawn GJB</div>		<div>Project Number</div> <div>437-CSI-241</div> <div>Building Number</div> <div>9</div> <div>Drawing Number</div> <div>AS311</div>	
-----------------------	--	--	--	--	--	---	--	---	--	--	--	---	--	---	--

C:\Users\zcaran\Documents\17639-A-R23\_czcaran\AMEX.vrt

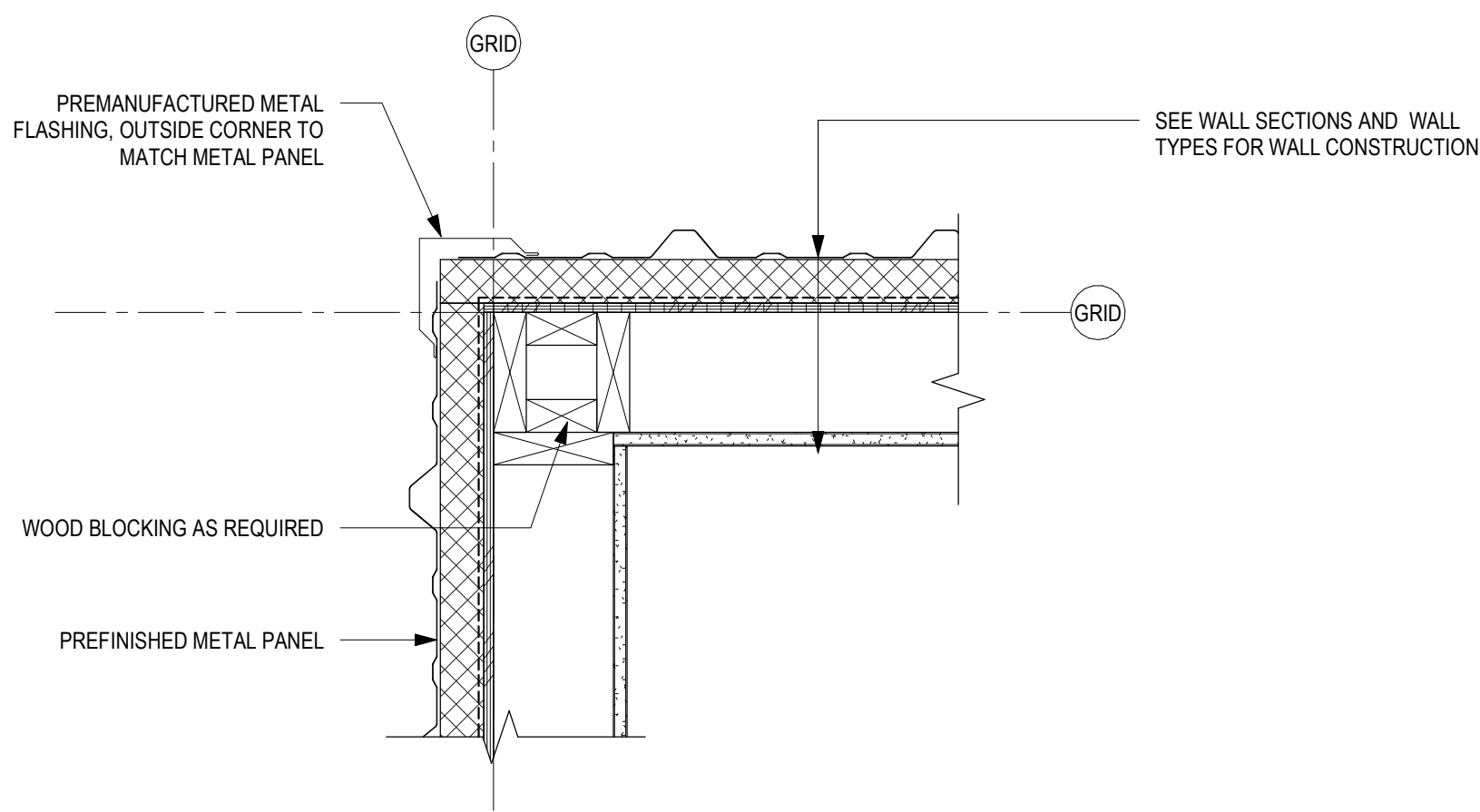


1/21/2025 12:56:19 PM		C:\Users\czagan\Documents\17639-A-R23_czagan\AMEX.vnt	
VA FORM 08 - 6231			
Revisions:		Date:	
CONSULTANT		DESIGNER OF RECORD	
IMEG		ANDERSON	
2882 106TH STREET DES MOINES IA 50322		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639	
		STAMP	
		TOM OLESAK 2908	
		Office of Construction and Facilities Management	
		VA U.S. Department of Veterans Affairs	
Drawing Title		Phase	
WALL SECTIONS - TEMP ENCLOSURE		BID DOCUMENTS	
Approved:		FULLY SPRINKLERED	
		Project Title	
		PERFORM SITE PREP FOR SPS EQUIPMENT	
		Location	
		FARGO, ND	
		Issue Date	
		1/22/2025	
		Checked	
		JLU	
		Drawn	
		GJB	
		Project Number	
		437-CSI-241	
		Building Number	
		9	
		Drawing Number	
		AS312	

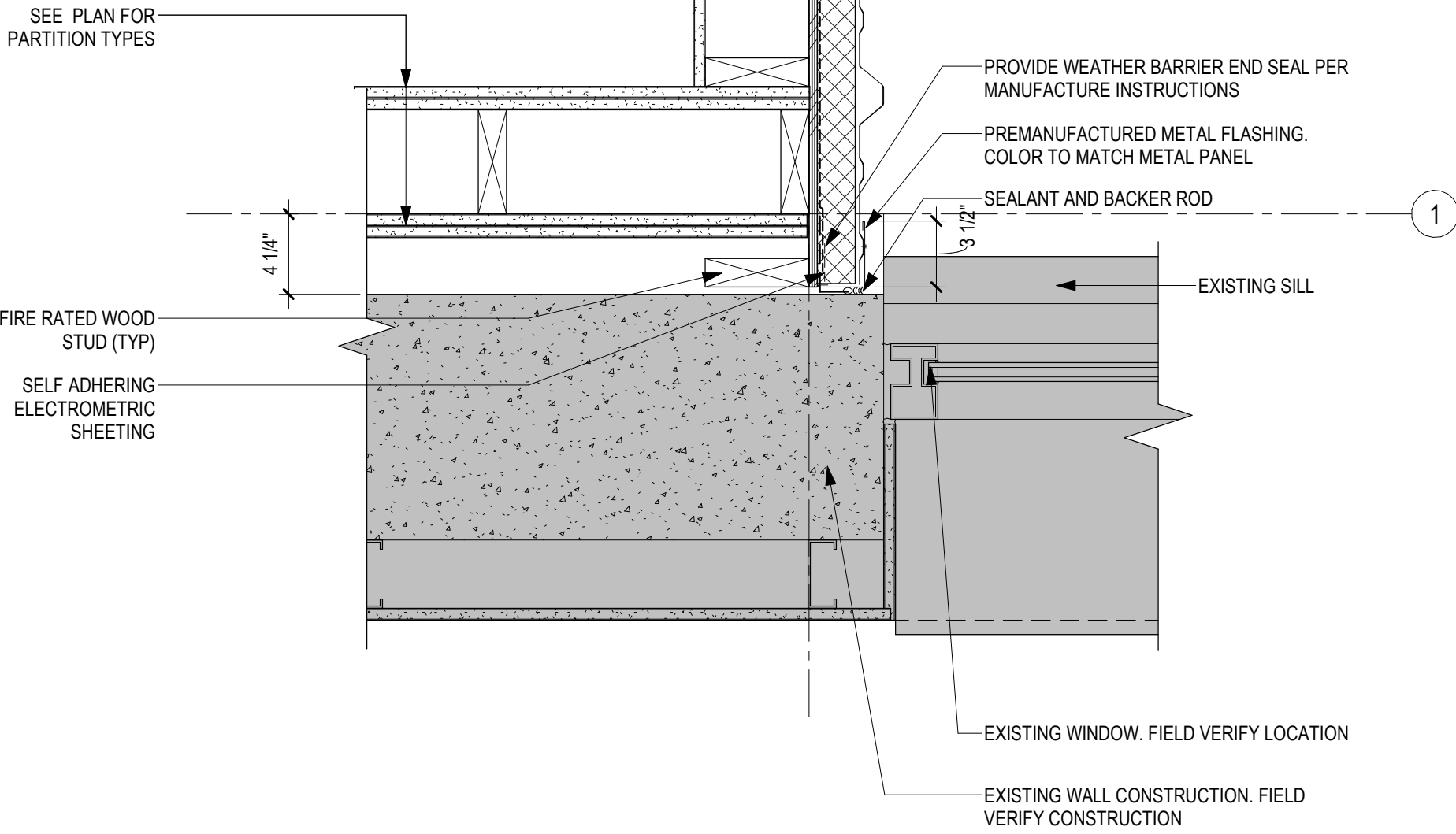




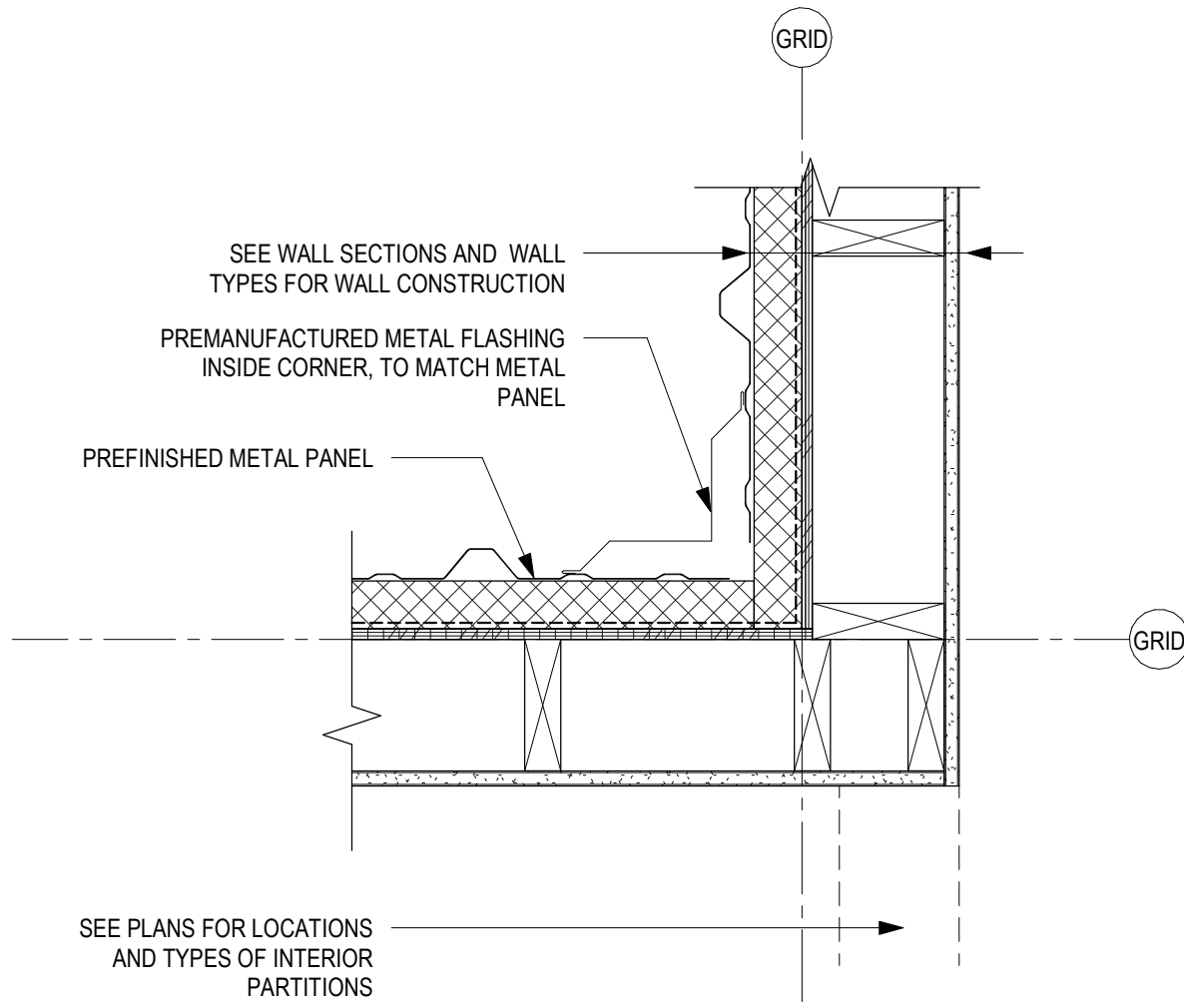
1 PLAN DETAIL -WEATHER SEAL CONNECTION AT TRAILER  
1 1/2" = 1'-0"



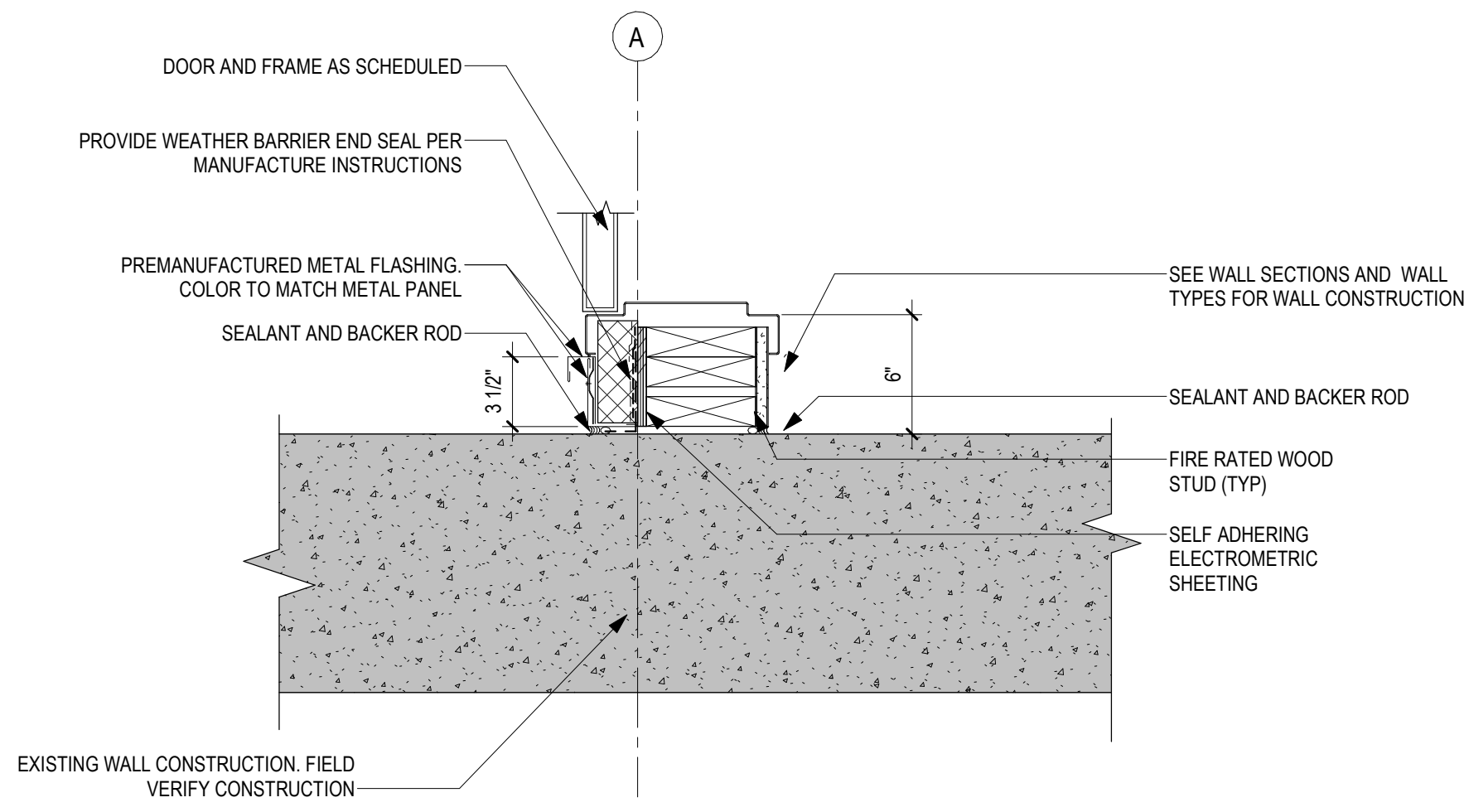
4 PLAN DETAIL -METAL PANEL OUTSIDE CORNER  
1 1/2" = 1'-0"



2 PLAN DETAIL - METAL PANEL WALL & RATED PARTITION AT EXISTING  
1 1/2" = 1'-0"



5 PLAN DETAIL -METAL PANEL INSIDE CORNER  
1 1/2" = 1'-0"



3 PLAN DETAIL - METAL PANEL WALL AND DOOR AT EXISTING  
1 1/2" = 1'-0"


1/21/2025 12:56:19 PM


F


F


C:\Users\czarjan\Documents\17639-A-R23\_czarjan\AMEX.vrt

Revisions:	Date:

CONSULTANT

2882 106TH STREET DES MOINES IA 50322

DESIGNER OF RECORD

13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   <a href="mailto:ae-mn.com">ae-mn.com</a> Anderson Engineering of Minnesota, LLC   Proj # 17639

STAMP


Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title
EXTERIOR PLAN DETAILS
Approved:

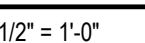
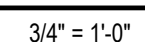
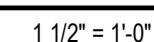
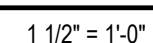
Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
PERFORM SITE PREP FOR SPS EQUIPMENT
Location
FARGO, ND
Issue Date
1/22/2025
Checked
JLU
Drawn
GJB

Project Number
437-CSI-241
Building Number
9
Drawing Number
AS501

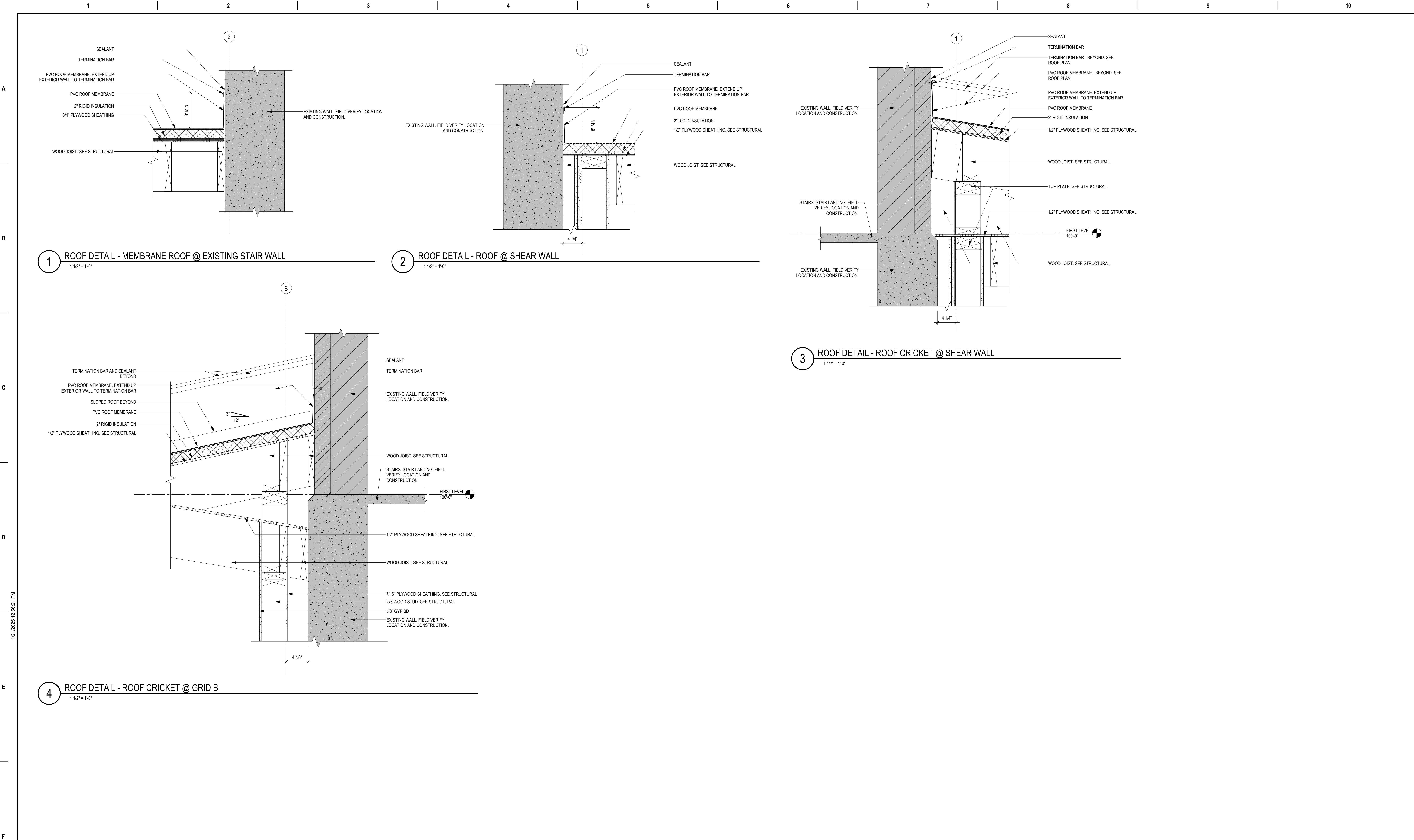
BID DOCUMENT SUBMISSION



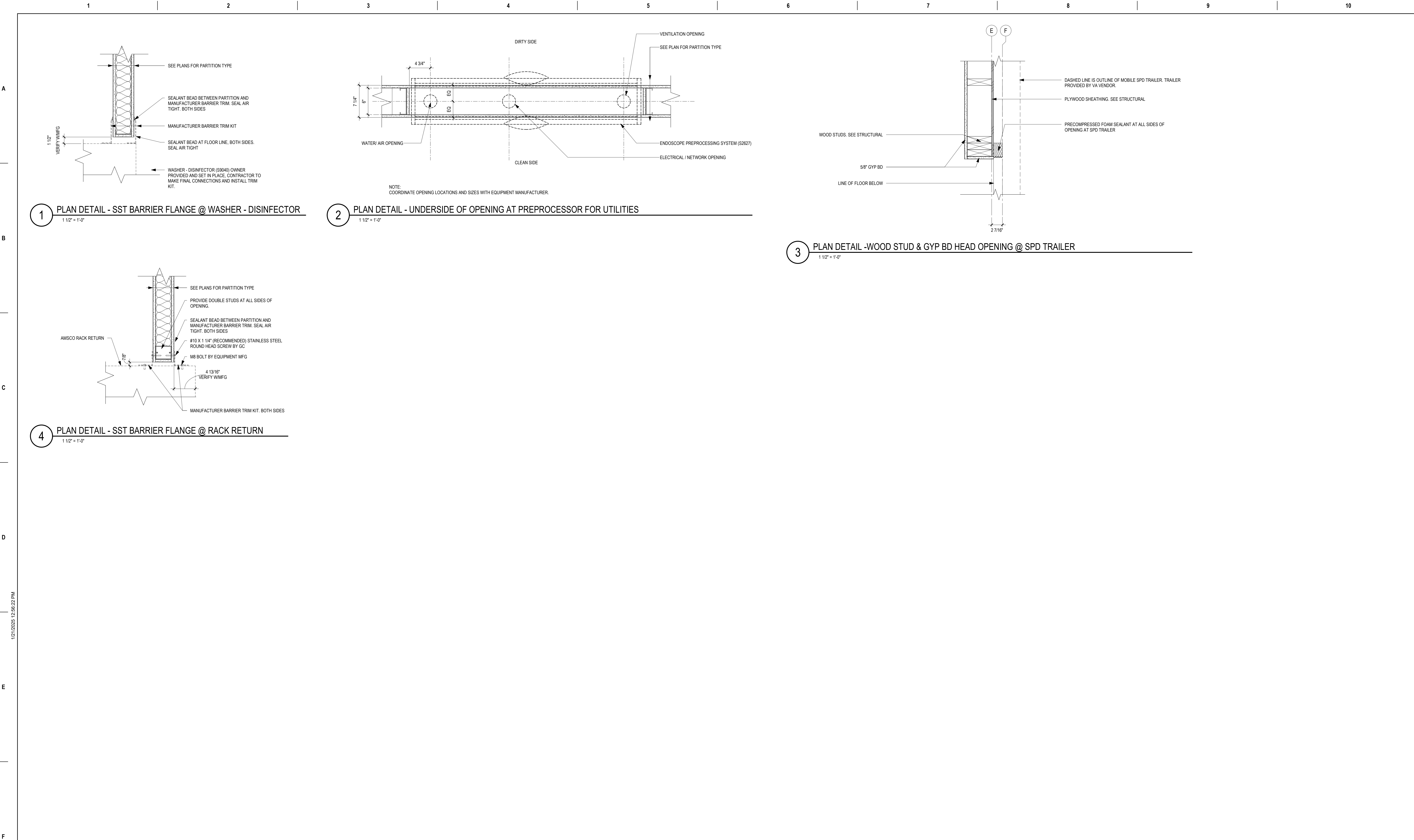


Project Number	437-CSI-241
Building Number	9
Drawing Number	AS520



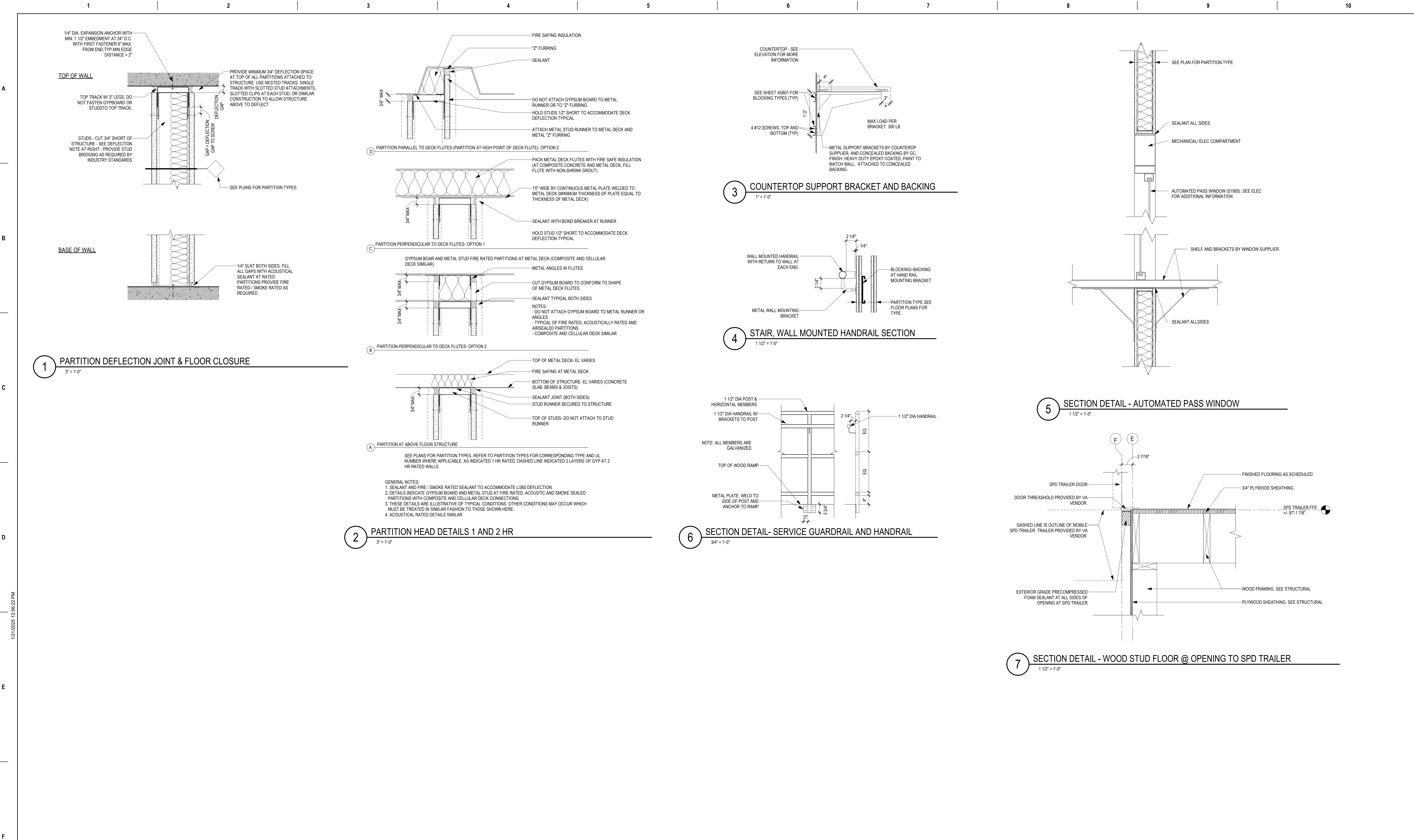


BID DOCUMENT SUBMISSION													
<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		<div>CONSULTANT</div> <div><div><div></div><div>IMEG</div></div><div>2882 106TH STREET DES MOINES IA 50322</div></div>		<div>DESIGNER OF RECORD</div> <div><div><div></div><div>ANDERSON</div></div><div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639</div></div>		<div>STAMP</div> <div><div><div></div><div>TOM OLESAK 2908</div><div></div></div><div>12/22/2025</div><div>STATE OF NORTH DAKOTA</div></div>	<div>Office of Construction and Facilities Management</div> <div><div><div></div><div>VA</div></div><div>U.S. Department of Veterans Affairs</div></div>	<div>Drawing Title</div> <div>ROOF DETAILS</div> <div>Approved:</div>		<div>Phase</div> <div>BID DOCUMENTS</div> <div>FULLY SPRINKLERED</div>	<div>Project Title</div> <div>PERFORM SITE PREP FOR SPS EQUIPMENT</div> <div>Location FARGO, ND</div>		<div>Project Number</div> <div>437-CSI-241</div> <div>Building Number</div> <div>9</div> <div>Drawing Number</div> <div>AS530</div>
Revisions:		Date:											
VA FORM 08 - 6231		1		2		3		4		5			
										6			
										7			
										8			
										9			
										10			



BID DOCUMENT SUBMISSION									
<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <									

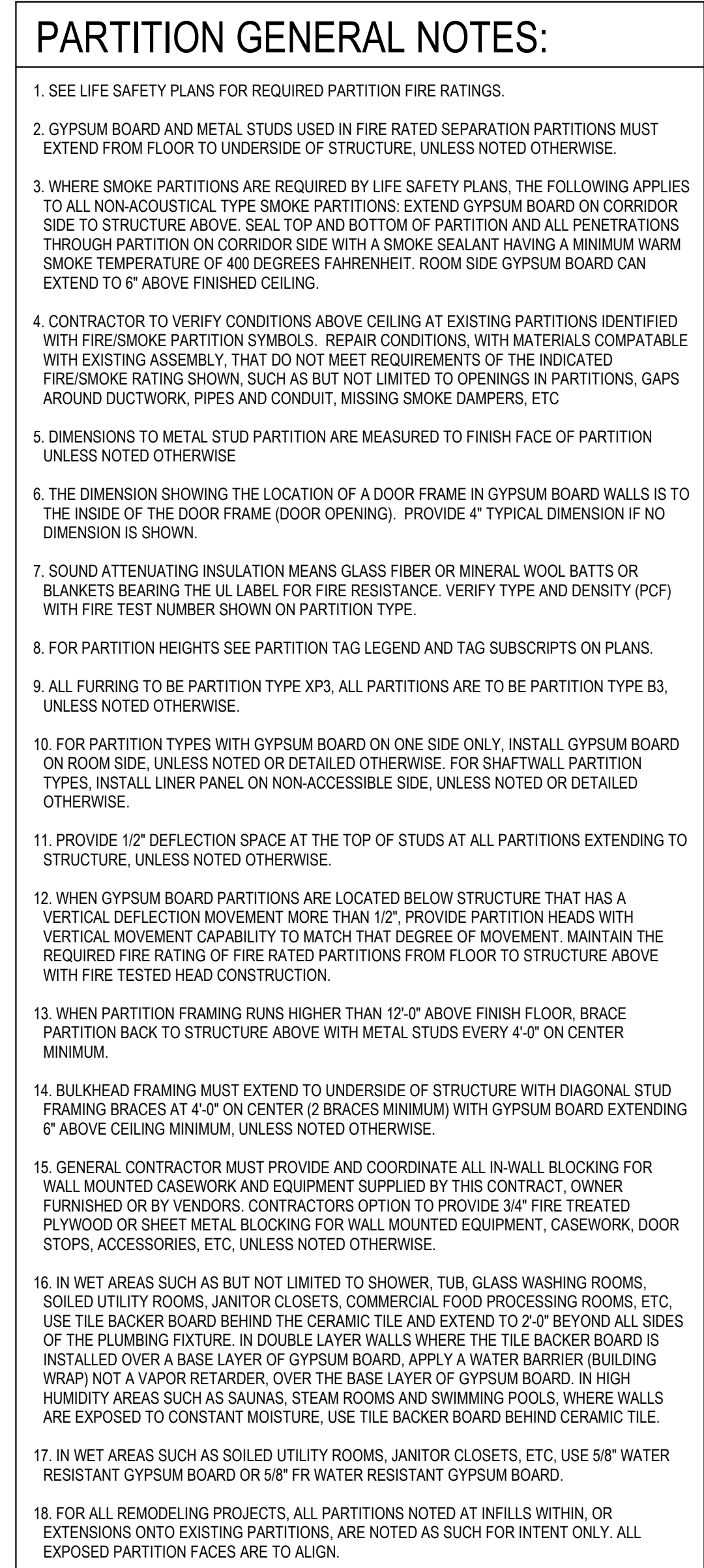




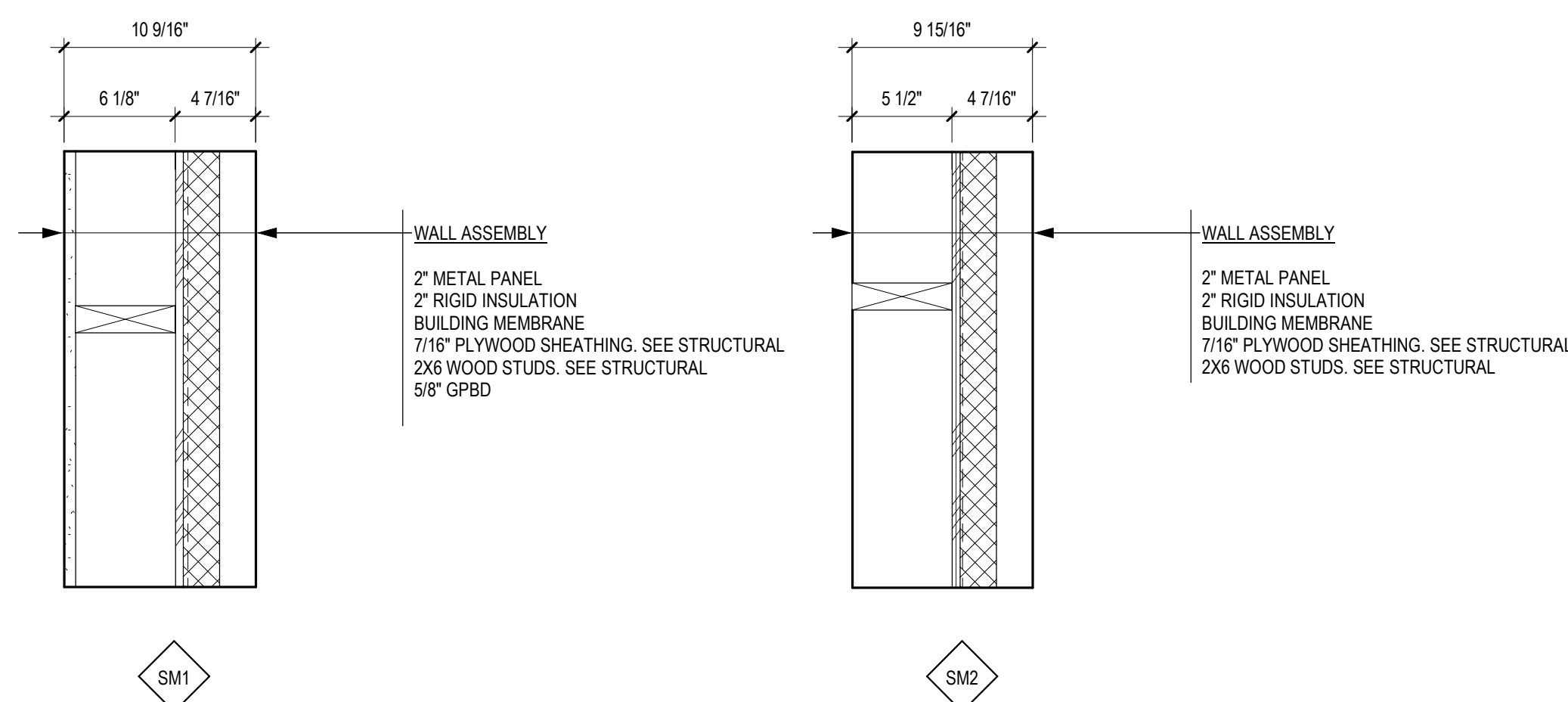
C:\Users\czupian\Documents\17639-A-R23_czupian\AMEX																		
BID DOCUMENT SUBMISSION																		
<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		CONSULTANT		<div>DESIGNER OF RECORD</div> <div><div>ANDERSON</div><div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639</div></div>			STAMP <div><div>PROFESSIONAL ARCHITECT TOM OLESAK 2908 STATE OF NORTH DAKOTA EXPIRATION DATE: 12/22/2025</div></div>		Office of Construction and Facilities Management <div>VAU.S. Department of Veterans Affairs</div>		Drawing Title		Phase		Project Title		Project Number	
											INTERIOR SECTION DETAILS		BID DOCUMENTS		PERFORM SITE PREP FOR SPS EQUIPMENT		437-CSI-241	
											Approved:		FULLY SPRINKLERED		Location		Building Number	
															FARGO, ND		9	
															Drawing Number			
Revisions:		Date:						Issue Date		Checked		Drawn		AS550				
								1/22/2025		JLU		GJB						
</																		

BID DOCUMENT SUBMISSION





## TYPES - WALL



**METAL STUD**  
SEE PLANS FOR TYPES.

**EQ**

**6" X 16 GA BACKING PLATE - FASTEN TO STUDS W/ (3) #10 X 3/4" WAFER HEAD SELF DRILLING SCREWS PER STUD. ALL BACKING TO SPAN MIN OF (3) STUDS. BACKING PLATE TO BE Fy=50KSI**

**METAL STUD**  
SEE PLANS FOR TYPES.

**SEE OPTION BELOW**

**1 1/4" MIN**

**EQ**

**6" X 16 GA TRACK NOTCH AND FASTEN TO STUDS W/ (3) #10 X 3/4" WAFER HEAD SELF DRILLING SCREWS PER STUD. ALL BACKING TO SPAN MIN OF (3) STUDS. BACKING TRACKS TO BE Fy=50KSI STEEL**

**A PLATE BACKING: USE FOR FOLLOWING ITEMS**

1. FLOOR MOUNTED BASE CABINETS.
2. WALL MOUNTED DISPENSERS AND HARDWARE WEIGHING LESS THAN 20 LBS.
3. MIRRORS
4. BACKING AT THE BOTTOM OF WALL HUNG CABINETS LESS THAN 15" IN DEPTH.

**B TRACK BACKING: USE FOR FOLLOWING ITEMS**

1. HANDRAILS (UP TO 250LB)
2. FLOOR MOUNTED CABINETS GREATER THAN 3'-0" IN HEIGHT.
3. WALL HUNG CABINETS GREATER THAN 15" IN DEPTH AND AT THE TOP OF WALL HUNG CABINETS LESS THAN 15" IN DEPTH.

**C ALTERNATE TO B**

**14 GA FABRICATED FLUSH MOUNT BACKING - OPA #0192**

**(4) #10 SMS TYP**

**6"**

**METAL STUD: SEE PLANS FOR TYPES.**

**D ALTERNATE TO B**

**16GA SECTION MAY SUBSTITUTE FOR 1 1/4" FLANGE WITHOUT STIFFENER UP AS SHOWN ABOVE WITH THE FOLLOWING LIMITATIONS:**

- STUD SPACING IS 16- INCHES ON CENTER LESS
- FOR 200 POUND LOADS MAX
- F.Y. = 50 ksi STEEL

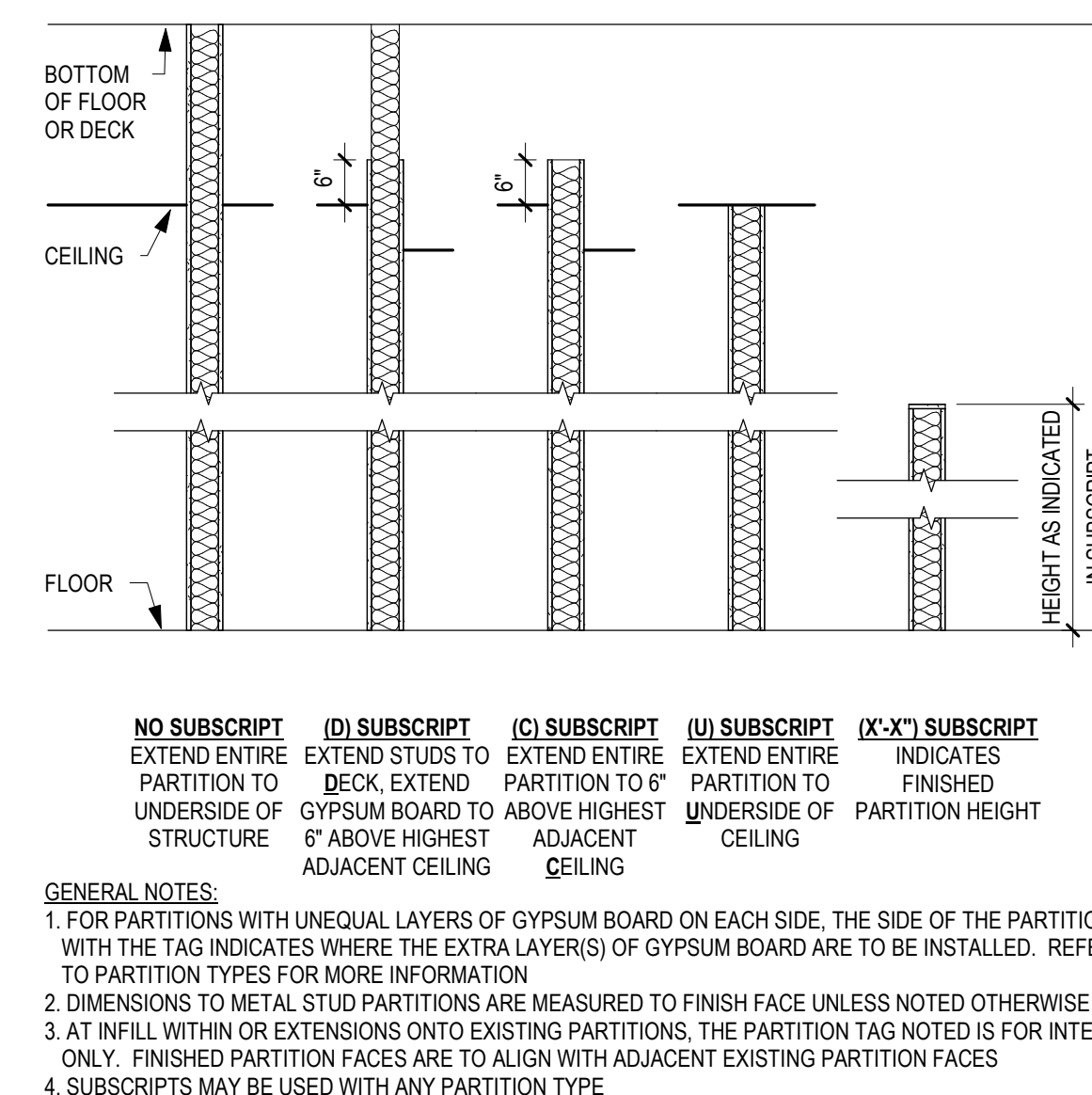
**1/2" TYP.**

**12"**

**6"**

SEE BACKING PLATE TYPE B FOR ADDITIONAL NOTES.

## GUIDELINE - RATED WALL INTERSECTIONS



## BID DOCUMENT SUBMISSION

[illegible]



A

A

B

B

C

C

D

D

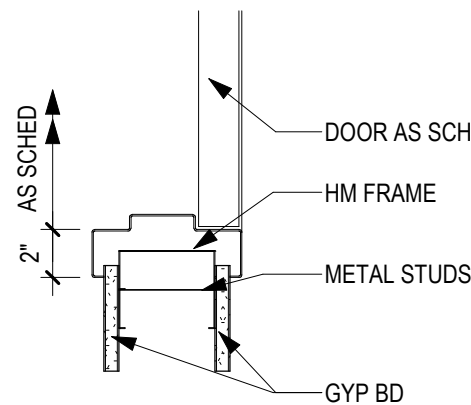
E

E

F

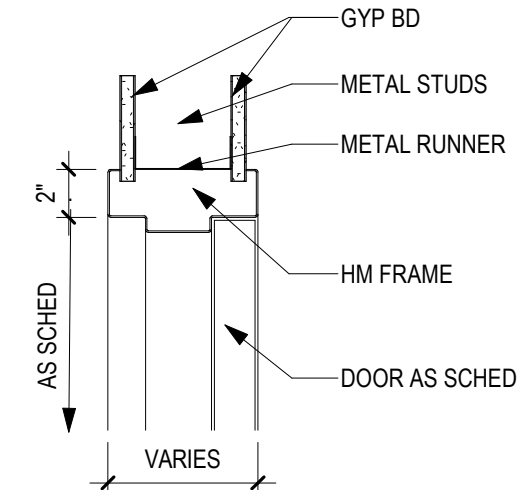
F

NOTE:  
1. FOR PARTITION THICKNESS SEE PLANS  
AND PARTITION TYPES  
2. SEE 3 / AS602 FOR FRAME PROFILE  
INFORMATION.

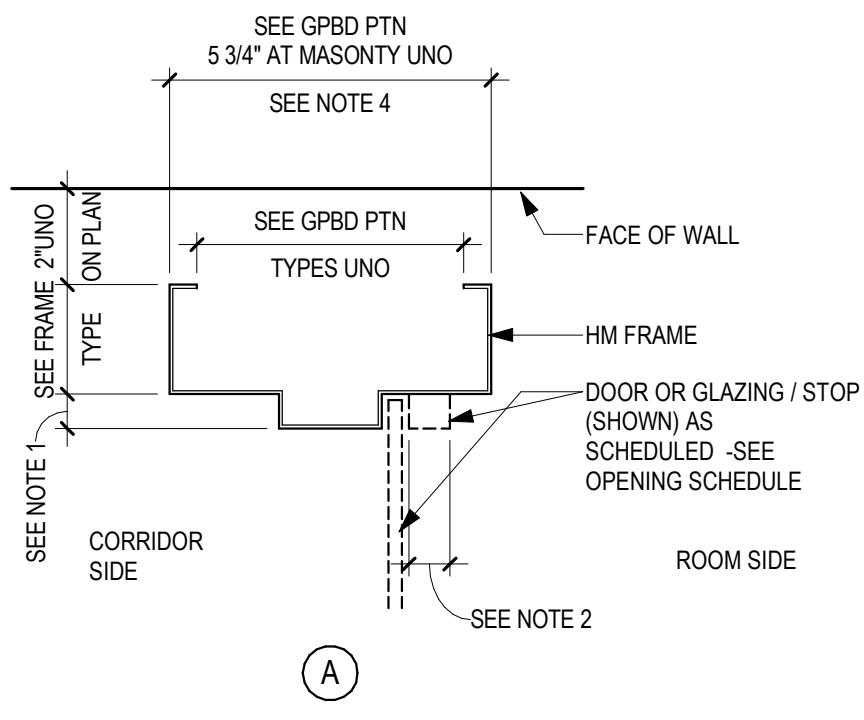


1 HM DOOR FRAME IN METAL STUD PARTITION - JAMB  
1 1/2\"/>

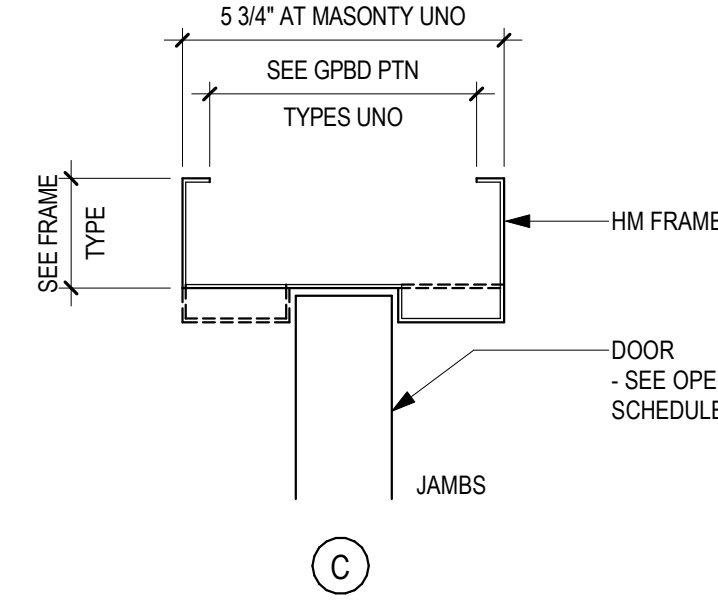
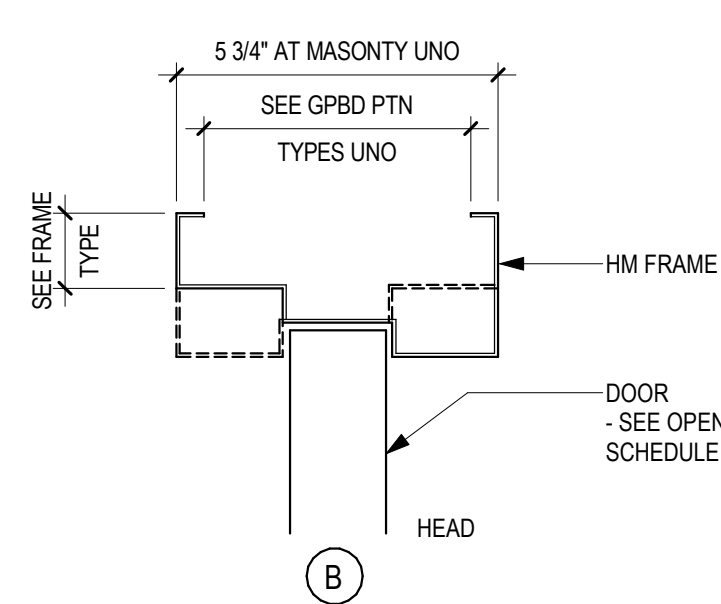
NOTE:  
1. FOR PARTITION THICKNESS SEE PLANS  
AND PARTITION TYPES  
2. SEE 3 / AS602 FOR FRAME PROFILE  
INFORMATION.



2 HM DOOR FRAME IN METAL STUD PARTITION - HEAD  
1 1/2\"/>



3 HM FRAME PROFILES  
3\"/>



## DOOR PANEL NAMING

NOTE: ACTUAL PANELS MAY VARY FROM DESCRIPTIONS  
BELOW. REFER TO PANEL TYPE ELEVATIONS

PANEL PREFIXES	PANEL SUFFIXES	
AL- ALUMINUM CG- COILING GRILLE CS- COILING SLATS HM- HOLLOW METAL OS- OVERHEAD SECTIONAL RD3- REVOLVING DOOR 3 PANEL RD4- REVOLVING DOOR 4 PANEL VL- VERTICAL LIFT WD- WOOD EX- EXISTING	AG- ALL GLASS BF- BIFOLD BG- BIFOLD GLASS D- DUTCH DG- DUTCH GLASS DS- DUTCH WISHELF FF- FLUSH G2- GLASS 2 LIGHT G3- GLASS 3 LIGHT GF- GLASS FULL GH- GLASS HALF LF- LOUVER FULL LGH- LOUVER GLASS HALF LH- LOUVER HALF	LN- LOUVER NARROW VISION NV- NARROW VISION NV2- NARROW VISION 2 LIGHT NV3- NARROW VISION 3 LIGHT NVN- NARROW VISION CENTERED RP2- RAISED PANEL 2 PANEL RP4- RAISED PANEL 4 PANEL RP8- RAISED PANEL 8 PANEL V- VISION W- WINDOWS (1 ROW) WT- WINDOWS THROUGHOUT

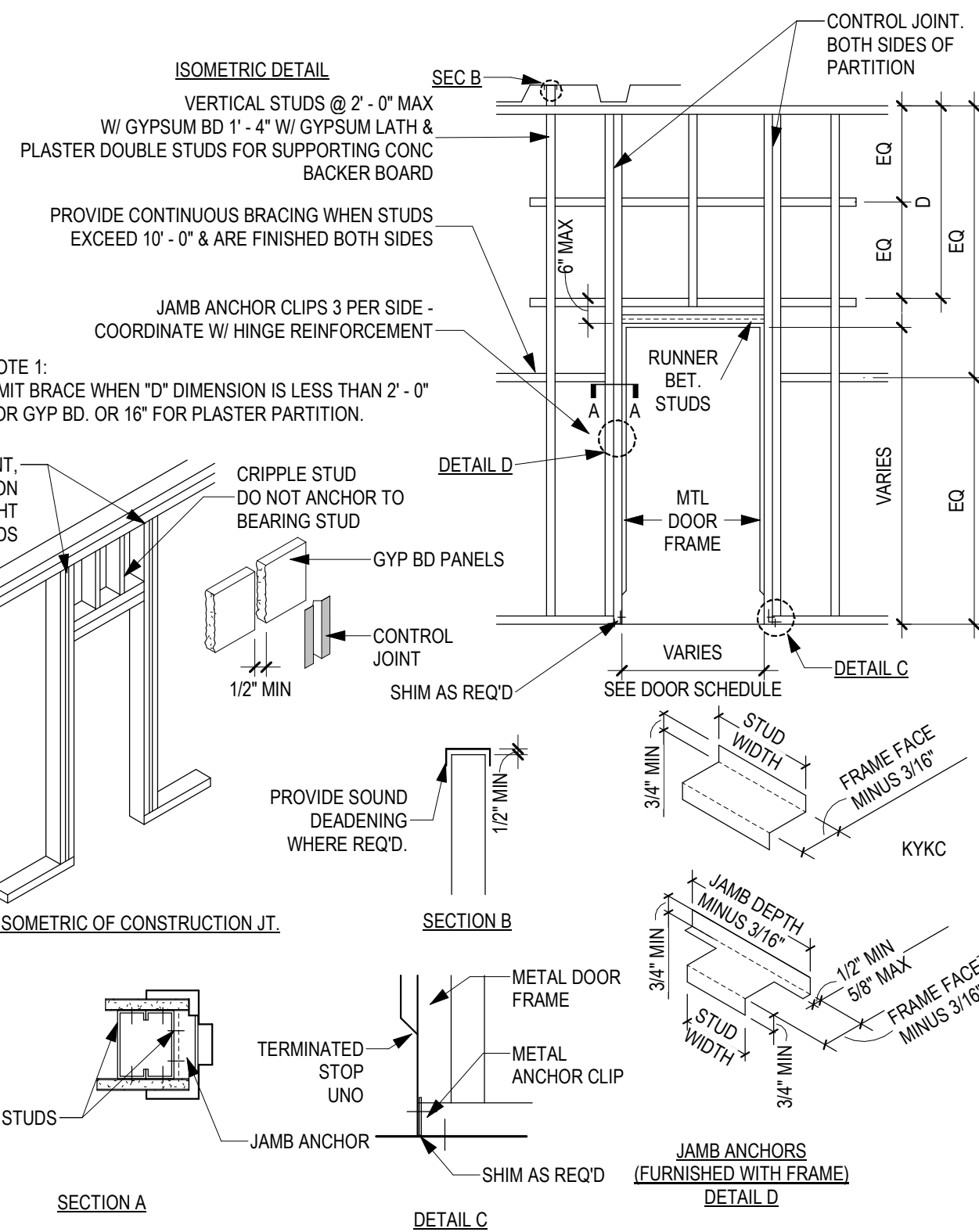
## DOOR FRAME NAMING

NOTE: ACTUAL FRAMES MAY VARY FROM DESCRIPTIONS  
BELOW. REFER TO FRAME TYPE ELEVATIONS

FRAME PREFIXES	FRAME SUFFIXES	
AL- ALUMINUM AL-BL- ALUMINUM BORROWED LIGHT AL-SL- ALUMINUM SLIDING AL-R- ALUMINUM REVOLVING CW- CURTAIN WALL HMM- HOLLOW METAL MASONRY HMM-BL- HMM BORROWED LIGHT HMM-DE- HMM DOUBLE EGRESS HMS- HOLLOW METAL STUD HMS-BL- HMS BORROWED LIGHT HMS-DE- HMS DOUBLE EGRESS OC- OVERHEAD COILING OS- OVERHEAD SECTIONAL VL- VERTICAL LIFT WD- WOOD WD-BL- WOOD BORROWED LIGHT WD-P- WOOD POCKET EXIST- EXISTING	0- FRAMED-CASED OPENING 1- DOOR ONLY 2- SIDE LIGHT(S) 1 SIDE 3- SIDE LIGHT(S) 1 SIDE WHORIZONTAL 4- SIDE LIGHT(S) BOTH SIDES 5- SIDE LIGHT(S) BOTH SIDES WHORIZONTAL 6- DOOR WITH TRANSOM 7- DOOR WITH TRANSOM 8- TRANSOM WISIDE LIGHT(S) 1 SIDE 9- TRANSOM WISIDE LIGHT(S) BOTH SIDES 10- TRANSOM WISIDE LIGHT(S) BOTH SIDES WHORIZONTAL 11- FULL WIDTH TRANSOM WISIDE LIGHT(S) 1 SIDE 1X1- 1 LIGHT WIDE AND 1 LIGHT HIGH 2X2- 2 LIGHTS WIDE AND 2 LIGHTS HIGH 3X3- 3 LIGHTS WIDE AND 3 LIGHTS HIGH (NOTE: OTHER COMBINATIONS POSSIBLE) OY- FIXED PANEL, ACTIVE PANEL OXO- FIXED PANEL, ACTIVE PANEL, FIXED PANEL OXX- FIXED, ACTIVE, ACTIVE OXXXX- FIXED, ACTIVE, ACTIVE, ACTIVE, ACTIVE, FIXED	

## FRAME PROFILE NOTES:

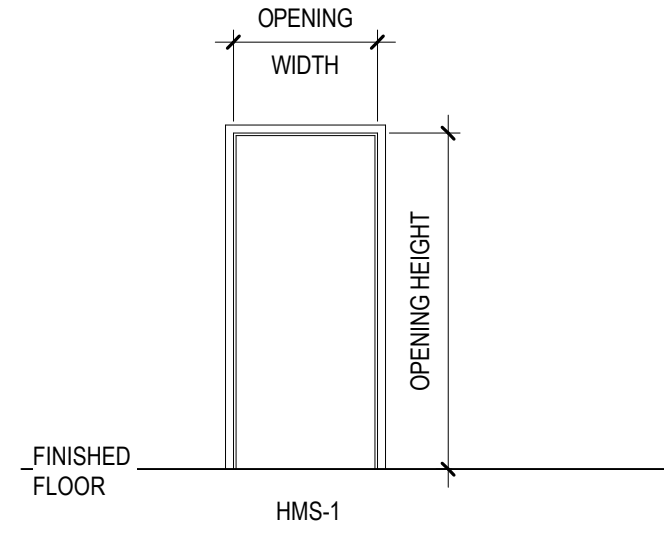
- 5/8" AT 20 MINUTE FIRE RATED FRAMES AND NON-RATED FRAMES, 3/4" AT FIRE RATED FRAMES OF 45 MINUTES AND ABOVE.
- 5/8" AT 20 MINUTE FIRE RATED FRAMES AND NON-RATED FRAMES, 1" AT FIRE RATED FRAMES OF 45 MINUTES AND ABOVE.
- FOR FRAMES IN GPBD PARTITIONS, VERIFY THAT THE FRAME THROAT DEPTH MATCHES THE PARTITION THICKNESS.
- 5 3/4" AT MASONRY OR DEEP GPBD WALL RECESSES WHERE FRAME DOES NOT WRAP THE WALL.



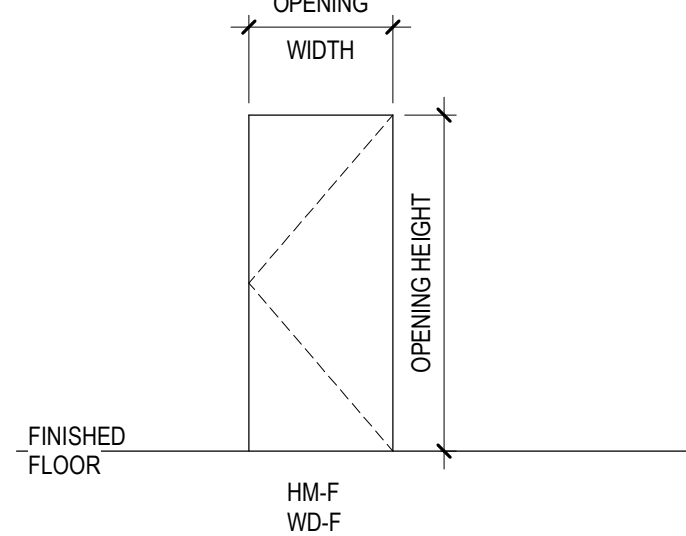
4 AUTOMATIC DOOR OPERATOR (ADO) CLEARANCES  
3/4\"/>

5 TYPICAL PARTITION CONTROL JOINT FRAMING AT DOORS  
NOT TO SCALE

VV		OPENING		PANEL INFORMATION		FRAME INFORMATION		HOW GROUP	PRI LABEL (MIN)	GASKET	ELECTRICAL	IS LABEL	COMMENTS
FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING					
PASSAGE/ ANTE ROOM	HAC	BA-44C	3'-0"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-5D				DETAILS 1 & 2/AS602 SIM
OFFICE	MECHANICAL	BA-70A	3'-6"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-5				DETAILS 1 & 2/AS602 SOUND RATED
ANTE ROOM	CORRIDOR	BA-70B	3'-0"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-5				DETAILS 1 & 2/AS602
ANTE ROOM	HAC	BA-70C	3'-0"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-SA				DETAILS 1 & 2/AS602 SIM
PREP/ ASSEMBLY / STORAGE	ANTE ROOM	BB-18C	3'-0"	7'-0"	EX	NONE	EXIST	NONE	HW-5D				MODIFY EXISTING DOOR FOR NEW HARDWARE AS SCHEDULED
STERILIZERS	RECEIVING / DECONTAMINATION	BB-20A	3'-10"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-5				DETAILS 1 & 2/AS602
CLEAN STORAGE	SCOPE PROCESSING	BB-20B	4'-0"	7'-0"	HM-F	NONE	HMS-1	NONE	HWAG				DETAILS 1 & 2/AS602
OFFICE	CORRIDOR	C206	4'-0"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-13				EXISNG TO BE REINSTALLED
STAIR	VESTIBULE	S4-A	3'-0"	7'-0"	EX	NONE	EXIST	NONE	HW-12H				REMOVE AND IMMEDIATELY REPLACE DOOR HARDWARE AS SCHEDULED
CORRIDOR	STAIR	S4-B	3'-0"	7'-0"	EX	NONE	EXIST	NONE	HW-12H				REMOVE AND IMMEDIATELY REPLACE DOOR HARDWARE AS SCHEDULED
TEMP TRAILER CONNECTION	VESTIBULE	T-01	3'-8"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-SH-5	90	Y	Y	
	VESTIBULE	T-01A	3'-8"	7'-0"	HM-F	NONE	HMS-1	NONE	HW-E4				FINISH DOOR AND FRAME P-4



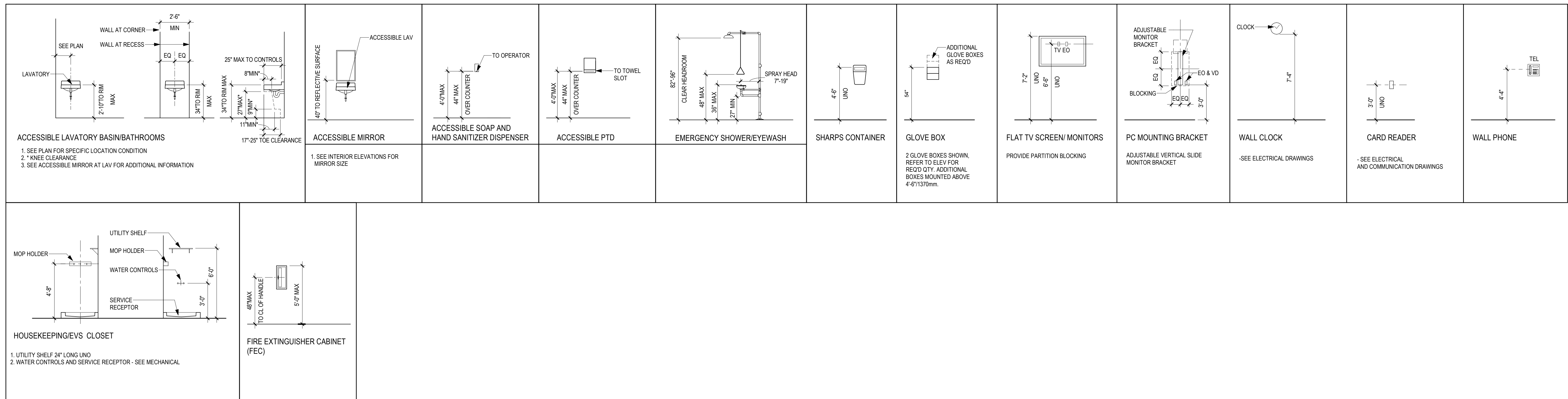
TYPES - FRAMES






TYPES - PANELS

## BID DOCUMENT SUBMISSION

<div></div>	CONSULTANT		DESIGNER OF RECORD		STAMP	Office of Construction and Facilities Management	Drawing Title DOOR SCHEDULE AND ELEVATIONS	Phase BID DOCUMENTS	Project Title PERFORM SITE PREP FOR SPS EQUIPMENT		Project Number 437-CSI-241	
	IMEG		ANDERSON						Building Number 9		Drawing Number AS602	
	2882 106TH STREET DES MOINES IA 50322		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639						Location FARGO, ND		Issue Date 1/22/2025	
	Revisions:		Date:						Checked GJB		Drawn GJB	



## TYPICAL MOUNTING HEIGHTS

		<div>CONSULTANT</div> <div></div> <div>2882 106TH STREET DES MOINES IA 50322</div>	<div>DESIGNER OF RECORD</div> <div></div> <div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   <a href="mailto:ae-mn.com">ae-mn.com</a> Anderson Engineering of Minnesota, LLC   Proj # 17639</div>	<div>STAMP</div> <div></div> <div>Office of Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> <div>MOUNTING HEIGHTS</div>	<div>Phase</div> <div>BID DOCUMENTS</div>	<div>Project Title</div> <div>PERFORM SITE PREP FOR SPS EQUIPMENT</div>	<div>Project Number</div> <div>437-CSI-241</div>		
									<div>Building Number</div> <div>9</div>	
Revisions:	Date:				<div>Approved:</div>	<div>FULLY SPRINKLERED</div>	<div>Location</div> <div>FARGO, ND</div> <div>Issue Date</div> <div>1/22/2025</div> <div>Checked</div> <div></div> <div>Drawn</div> <div>GJB</div>	<div>Drawing Number</div> <div>AS640</div>		




C:\Users\zcaran\Documents\17639-A-R23\_czcaran\AMEX.vnt  
1/21/2025 12:56:27 PM  
F


1 LOWER LEVEL FINISH PLAN  
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

2882 106TH STREET DES MOINES IA 50322

DESIGNER OF RECORD

13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   <a href="mailto:ae-mn.com">ae-mn.com</a> Anderson Engineering of Minnesota, LLC   Proj # 17639

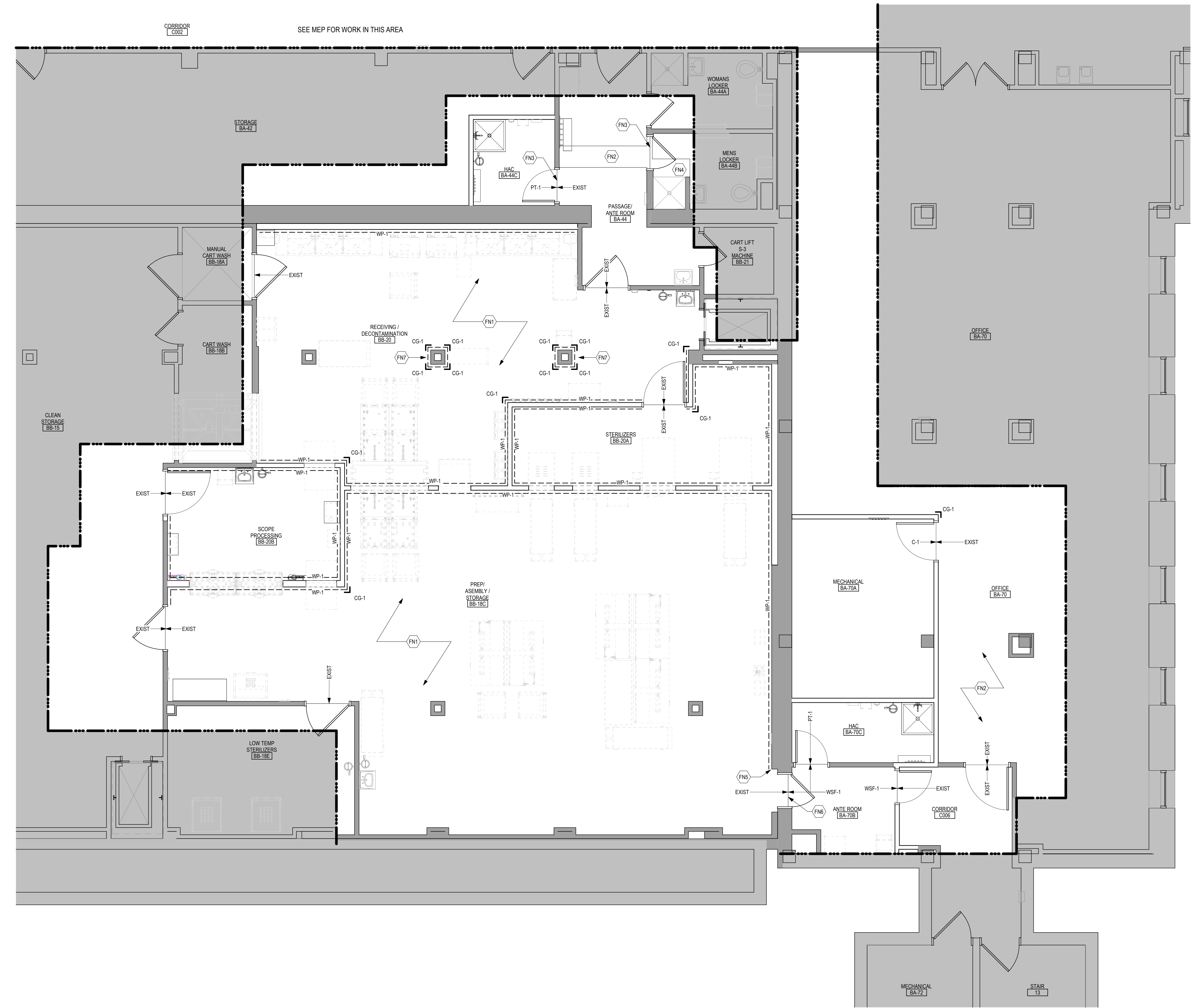
STAMP


Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title
LOWER LEVEL FINISH PLAN
Approved:

Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
PERFORM SITE PREP FOR SPS EQUIPMENT
Location
FARGO, ND
Issue Date
1/22/2025
Checked
CEZ
Drawn
CEZ
Project Number
437-CSI-241
Building Number
9
Drawing Number
AF101



FINISH PLAN GENERAL NOTES

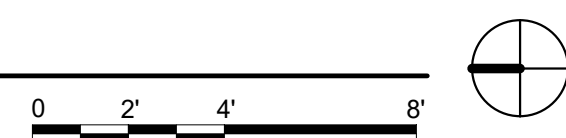
- REFER TO PROJECT MATERIALS SCHEDULE ON SHEET AF600 FOR SPECIFIC PRODUCT SELECTION BASIS OF DESIGN AND OTHER REQUIREMENTS
- FIELD FINISH VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS OTHERWISE INDICATED. EXCEPTION: ITEMS WITH FACTORY WHITE FINISH OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING MUST NOT BE PAINTED. STAINLESS STEEL ITEMS MUST NOT BE PAINTED
- FIELD VERIFY ALL NEW CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION
- LOCATE CHANGES IN FLOOR FINISH MATERIAL UNDER CENTERLINE OF CLOSED DOOR UNLESS OTHERWISE INDICATED
- PROVIDE CLEAR SILICONE SEALANT AT PERIMETER OF PLUMBING FLOOR DRAINS, CLEAN OUTS, ETC IN RESILIENT AND CERAMIC TILE FLOORS
- PROVIDE SEALANT TO HORIZONTAL AND VERTICAL INTERIOR CERAMIC TILE CORNERS, COLOR TO MATCH GROUT COLOR
- PROVIDE SEALANT AT JOINT BETWEEN COUNTER TOP, BACK OR SIDE SPLASH AND WALLS
- PROVIDE CLEAR SILICONE SEALANT AT THE BASE OF DOOR FRAME TO RESILIENT AND CT FLOORING. TYP. SEE PLANS AND ROOM FINISH SCHEDULE FOR FLOOR FINISH LOCATIONS
- HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-1, UNLESS NOTED OTHERWISE IN THE OPENING SCHEDULE
- WOOD: PRE-FINISHED TO MATCH BUILDING STANDARD, REFER TO SPECIFICATION
- CEILING MATERIALS/FINISHES CALLED OUT IN ROOM FINISH SCHEDULE ARE FOR ENTIRE CEILING OR MAJORITY OF THAT ROOM, UNLESS OTHERWISE INDICATED. SEE REFLECTED CEILING PLAN FOR CHANGES IN CEILING MATERIAL AND CEILING HEIGHT. PAINT ALL SURFACES OF SOFFIT SAME COLOR AS INDICATED
- COLOR SELECTIONS ARE BASED ON USE OF PRODUCTS INDICATED IN THE PROJECT MATERIAL SCHEDULE. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REVISE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION
- CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR
- FOR FLOOR FINISH MATERIALS AND PATTERN, SEE FINISH PLAN
- SEE INTERIOR ELEVATIONS ON SHEET AS211 AND AS212 FOR MORE FINISH INFO

ROOM FINISH LEGEND & ABBREVIATIONS

CG	CORNER GUARD	(AF10)	KEYNOTE
	WALL PROTECTION		MATERIAL INSTALL DIRECTION
CPT	VCT		FLOOR FINISH TRANSITION
ACT	ACOUSTICAL CEILING (TILE)		
C	CONCRETE SEALER		
CG	CORNER GUARD		
CR	CRASH RAIL		
GWB (SC)	GYPSUM WALLBACK SYSTEMS (SPECIAL COATING)		
P	PAINT		
PLAM	PLASTIC LAMINATE		
PT	PORCELAIN TILE (FLOOR AND BASE)		
RB	RESILIENT BASE		
SC	SPECIAL COATING		
TER	TERRAZZO, POURED		
TS	TRANSITION STRIP		
VCT	VINYL COMPOSITE TILE		
WP	WALL PROTECTION		
WSF	WELDED SEAM SHEET FLOORING (HEAT WELDED WITH ROD)		

FINISH PLAN KEYED NOTES

- (FN1) EXISTING TERRAZZO FLOORING, PATCH TO MATCH EXISTING AS REQUIRED, TER-1. SEE MECHANICAL AND STRUCTURAL FOR AREAS OF FLOOR REMOVAL AND ADDITIONAL INFORMATION
- (FN2) PATCH TO MATCH EXISTING VCT AND RESILIENT BASE AS REQUIRED, VCT-1 AND RB-1
- (FN3) REPLACE EXISTING FLOOR FINISH TRANSITION WITH TS-1
- (FN4) PATCH TO MATCH EXISTING PORCELAIN FLOOR TILE AS REQUIRED, PT-3. PATCH TO MATCH EXISTING CERAMIC WALL TILE AS REQUIRED, PT-2
- (FN5) REINSTALL SALVAGED CORNERGUARD
- (FN6) FEATHER FINISH UNDERLAYMENT AS REQUIRED TO EXISTING TERRAZZO FINISH FLOOR
- (FN7) FURNISH AND INSTALL NEW CORNER GUARDS (CG-1), WALL PROTECTION (WP-1), AND CRASH RAILS (CR-1) AT EXISTING COLUMN
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

 $1/4" = 1'-0"$ 

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

Project Number 437-CSI-241
Building Number 9
Drawing Number AF102

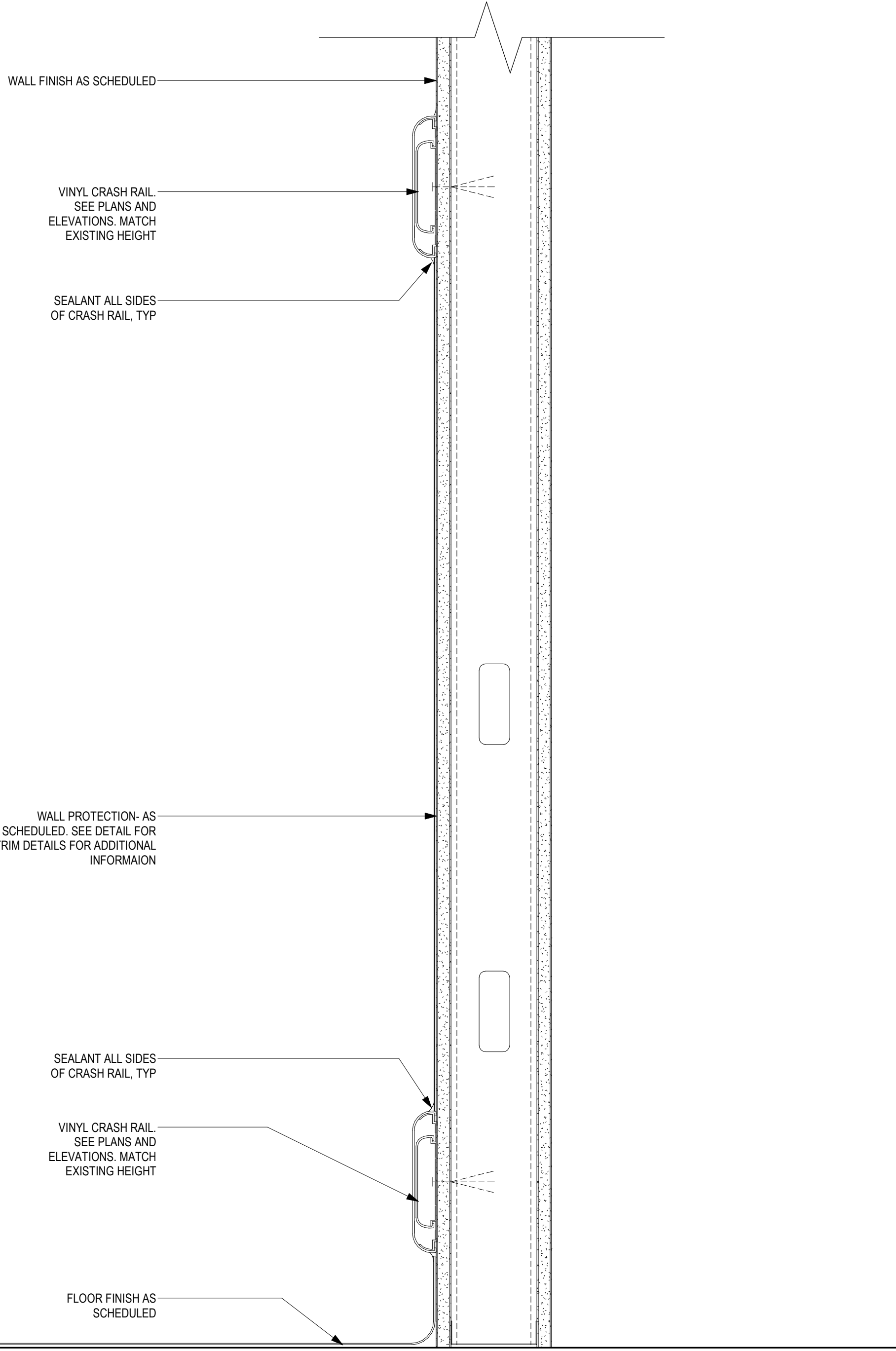
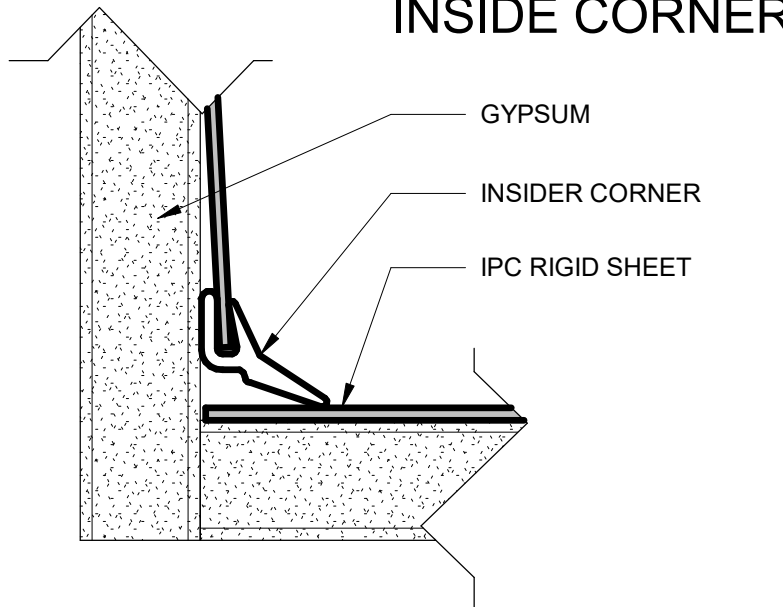
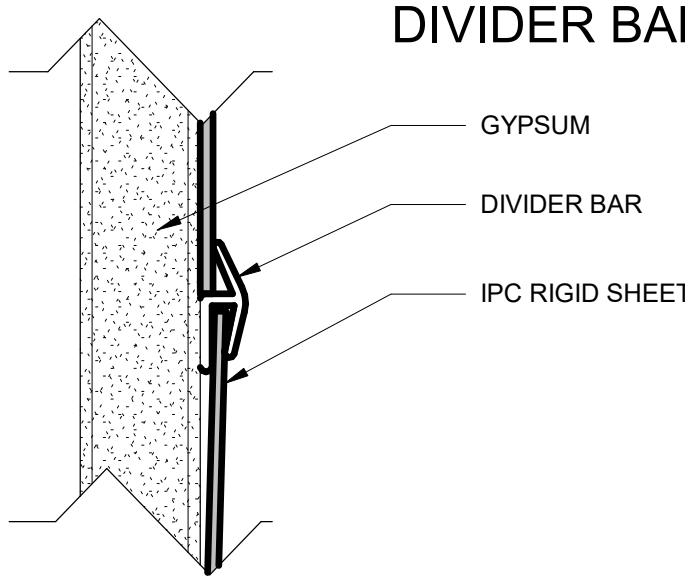
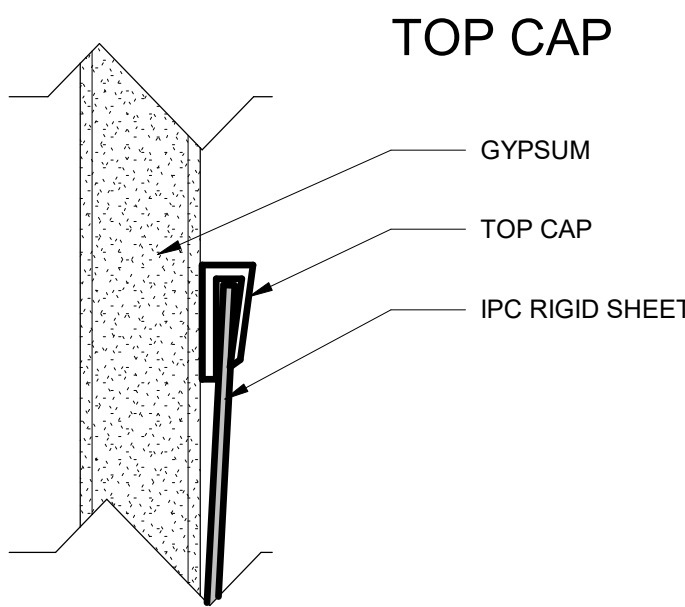


12/21/2025 12:56:50 PM  
C:\Users\czarjan\Documents\17639-A-R23\_czarjan\AMEX.vnt  
F

ROOM FINISH SCHEDULE										
NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING FINISH	REMARKS	
				NORTH	EAST	SOUTH	WEST			
BA-44	PASSAGE/ ANTE ROOM	EXIST/VCT-1	EXIST/RB-1	SC-1	SC-1	SC-1	SC-1	EXIST	FINAL COLOR SELECTIONS TO BE APPROVED DURING SHOP DRAWING REVIEW	
BA-44B	MENS LOCKER	EXIST/PT-3	EXIST/PT-3	P-3	P-3	P-3	P-3	EXIST		
BA-44C	HAC	PT-1	PT-1	PT-2/P-2	PT-2/P-2	PT-2/P-2	PT-2/P-2	EXPOSED	PT-2 TO 4'-10"	
BA-70	OFFICE	EXIST/VCT-1	EXIST/RB-1	P-3	P-3	P-3	P-3	EXIST		
BA-70A	MECHANICAL	C-1	RB-1	P-2	P-2	P-2	P-2	EXPOSED		
BA-70B	ANTE ROOM	WSF-1	WSF-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	ACT-1	WP-1 TO 4'-0"	
BA-70C	HAC	PT-1	PT-1	PT-2/P-2	PT-2/P-2	PT-2/P-2	PT-2/P-2	EXPOSED	PT-2 TO 4'-10"	
BB-18C	PREP ASSEMBLY / STORAGE	EXIST/TER-1	EXIST/TER-1	EXIST/WP-1/SC-1	EXIST/WP-1/SC-1	EXIST/WP-1/SC-1	EXIST	GWB (SC-1)	WP-1 TO 4'-0"	
BB-20	RECEIVING / DECONTAMINATION	EXIST/TER-1	EXIST/TER-1	EXIST	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	GWB (SC-1)	WP-1 TO 4'-0"	
BB-20A	STERILIZERS	EXIST	EXIST	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	GWB (SC-1)	WP-1 TO 4'-0"	
BB-20B	SCOPE PROCESSING	EXIST	EXIST	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	GWB (SC-1)	WP-1 TO 4'-0"	
C006	CORRIDOR	EXIST	EXIST	P-3	P-3	P-3	P-3	EXIST		
T-01	TEMP TRAILER CONNECTION	WSF-1	WSF-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	ACT-1	WP-1 TO 4'-0"	
T-01A	VESTIBULE	WSF-1	WSF-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	ACT-1	WP-1 TO 4'-0"	

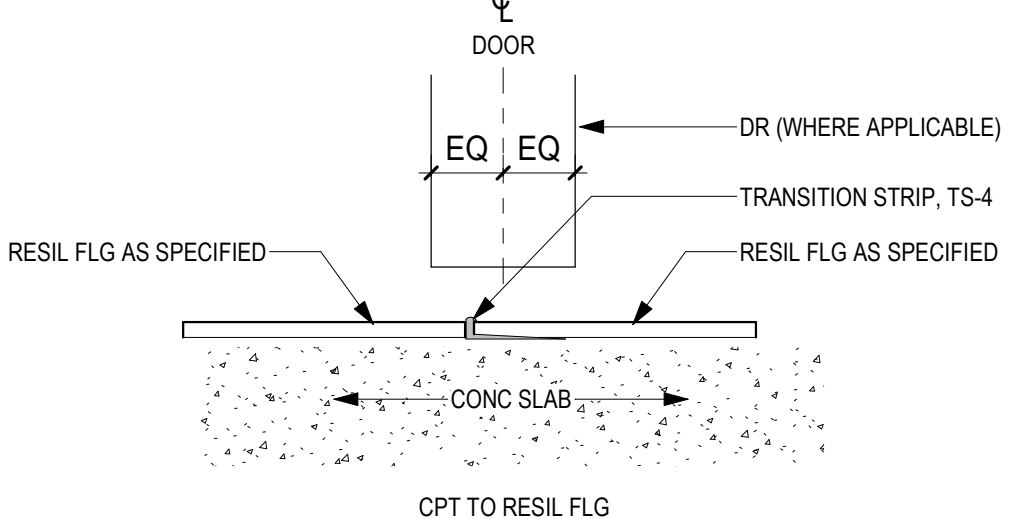
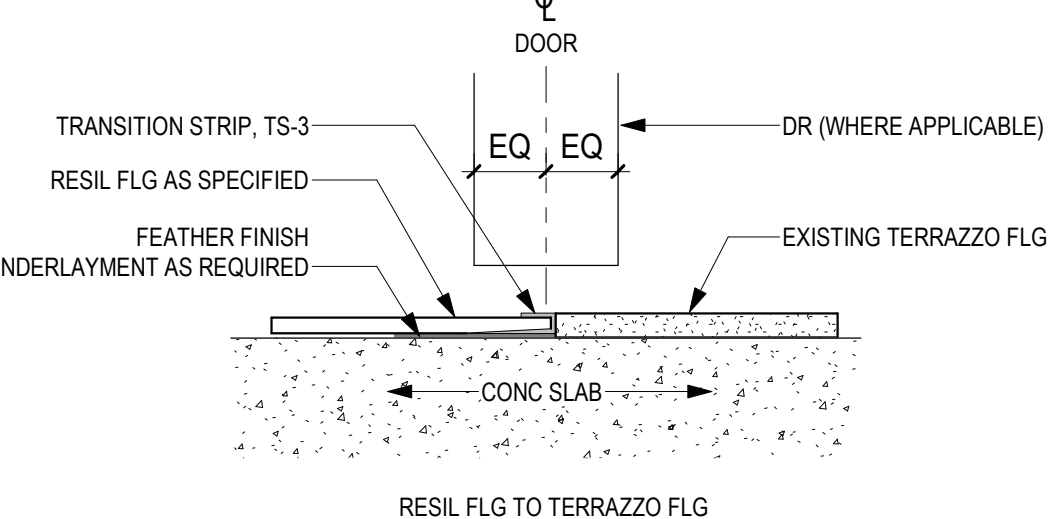
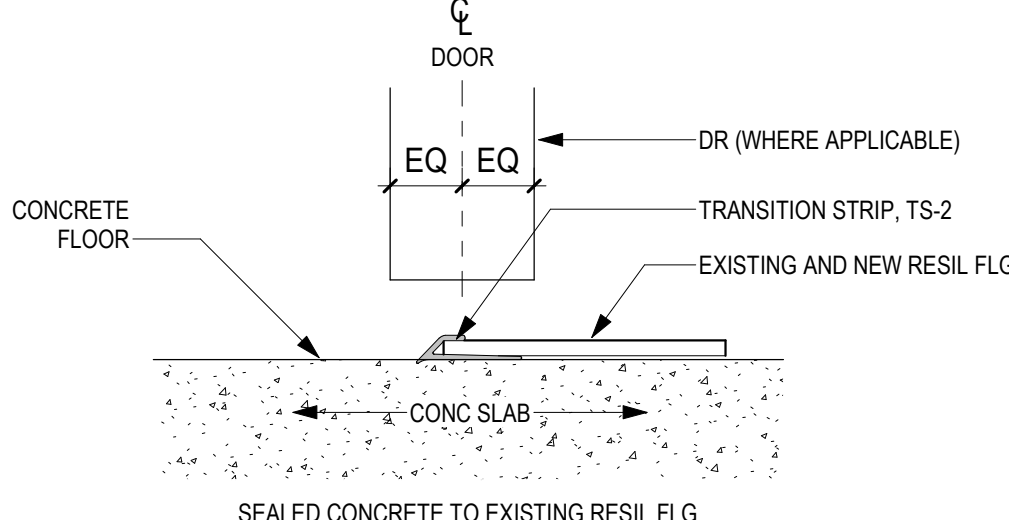
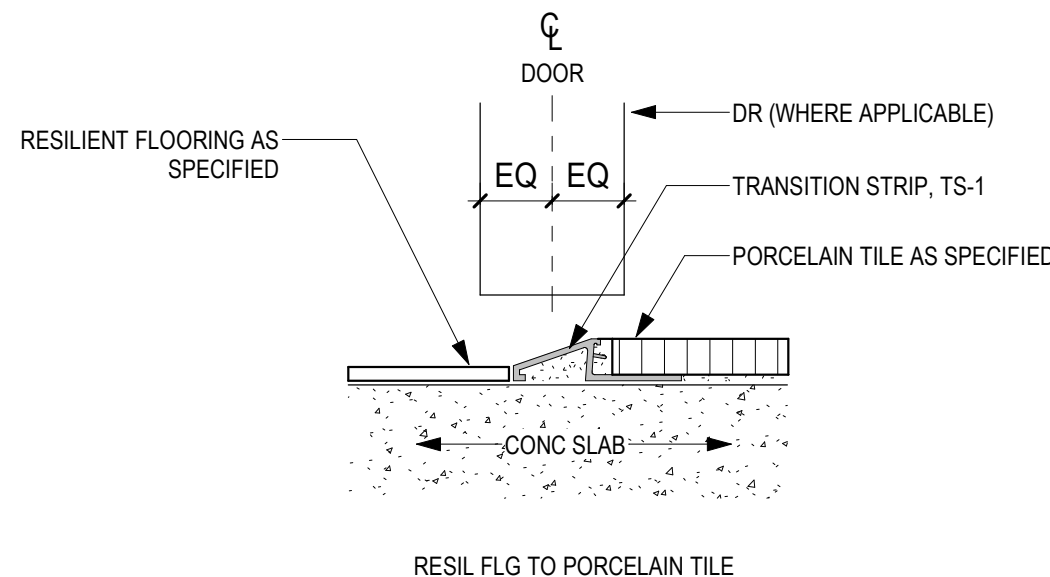
ROOM FINISH SCHEDULE - TEMP TRAILER										
NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING FINISH	REMARKS	
				NORTH	EAST	SOUTH	WEST			
T-01	TEMP TRAILER CONNECTION	WSF-1	WSF-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	ACT-1	WP-1 TO 4'-0"	
T-01A	VESTIBULE	WSF-1	WSF-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	WP-1/SC-1	ACT-1	WP-1 TO 4'-0"	

MATERIAL SCHEDULE							
SPEC NO.	CODE	MATERIAL	MANUFACTURER	STYLE	COLOR	SIZE	REMARKS
09 30 00	TS-1	METAL TRANSITION STRIP	SCHLUTER	RENO-U	EB- BRUSHED STAINLESS STEEL	TBD BY INSTALLER	
	TS-2	METAL TRANSITION STRIP	POWERHOLD	BEVEL CAP	EN	TBD BY INSTALLER	
	TS-3	METAL TRANSITION STRIP	SCHLUTER	VINPRO-S	BRUSHED CHROME ANODIZED	TBD BY INSTALLER	
	TS-4	TRANSITION STRIP	MANNINGTON	FUSION TRANSITION STRIP	SKY GRAY 663	TBD BY INSTALLER	
	TR-1	TILE TRIM TRANSITION STRIP	SCHLUTER	JOLLY	EB- BRUSHED STAINLESS STEEL	TBD BY INSTALLER	
09 30 13	PT-1	PORCELAIN TILE	DALTILE	PORTFOLIO	DOVE GREY PF04 - MATTE	12" X 24"	GROUT: MAPEI KERAPOXY #93 WARM GRAY
		CERAMIC TILE	DALTILE	COLOR WHEEL CLASSIC	ARCTIC WHITE 0190	4" X 4"	GROUT: MAPEI KERAPOXY #38 AVALANCHE
	PT-2	CERAMIC TILE	DALTILE	COLOR WHEEL CLASSIC - COVE BASE	ARCTIC WHITE 0190	4" X 4"	GROUT: MAPEI KERAPOXY #38 AVALANCHE
	PT-3	PORCELAIN TILE	DALTILE	KEYSTONES MOSAIC	SUEDE GRAY D182 - MATTE	2" X 2"	GROUT: MAPEI KERAPOXY #93 WARM GRAY
09 51 00	ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	CLEAN ROOM VL UNPERFORATED	WHITE	24" X 24"	GRID: CO-EXTRUDED CLEAN ROOM
09 65 13	RB-1	RESILIENT BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL 1/8"	PEPPERCORN TB1	4"	
09 65 16	WSF-1	WELDED SEAM SHEET FLOORING	MANNINGTON	BIOSEC ARMOR	TANNENBAUM OR101	6' 6"	WELD ROD: 842240 BALSAM FIR IDEAL BASE: 244 OFF WHITE
09 65 19	VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	PEARL WHITE 51803	12" x 12"	
09 66 13	TER-1	TERRAZZO FLOORING	TERROXY	TM #21-1986	A2465		FINISH TO BE FIELD VERIFIED BY MANUFACTURER TO MATCH EXISTING
	P-1	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL DTM ACRYLIC SEMI-GLOSS	SW 7025 BACKDROP		HOLLOW METAL DOORS AND FRAMES
	P-2	PAINT	SHERWIN WILLIAMS	PROMAR 200 EGG SHELL	SW 7631 CITY LOFT		
	P-3	PAINT	SHERWIN WILLIAMS	PROMAR 200 EGG SHELL	PATCH TO MATCH		FINAL COLOR SELECTIONS TO BE APPROVED DURING SHOP DRAWING REVIEW
	P-4	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL DTM ACRYLIC SEMI-GLOSS	SW7527 NANTUCKET DUNE		EXTERIOR DOOR T-01A
09 96 00	C-1	CONCRETE SEALER	ARDEX	ARDEX CG CONCRETE GUARD	CLEAR		
	SC-1	SPECIALTY COATING	SHERWIN WILLIAMS	PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	SW 7631 CITY LOFT		
10 26 00	WP-1	WALL PROTECTION	PROTEK SYSTEMS	WCWH-80 SEAMLESS VINYL	WHITE	48" X 96"	0.080" THICK. INSTALL TO 60"
	CR-1	CRASH RAIL	INPRO	1400 WALL GUARD	PEBBLE GRAY 0387	4"	
	CG-1	CORNER GUARDS	INPRO	160 HIGH IMPACT CORNER GUARD	PEBBLE GRAY 0387	FULL HEIGHT	



1 RIGID WALL PROTECTION - DETAILS  
1/2" = 1'-0"

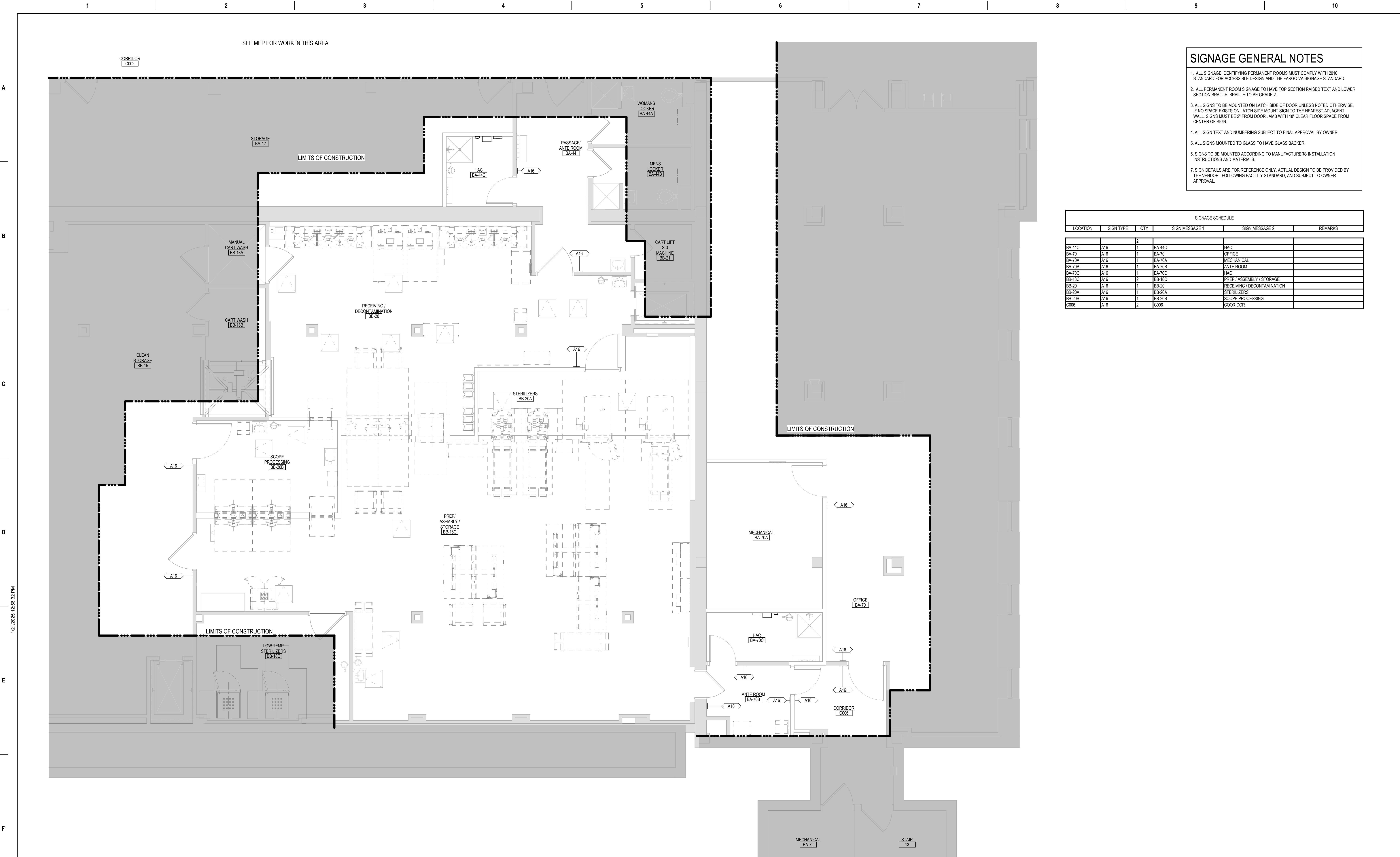
2 SECTION AT CRASH RAIL & WALL PROTECTION  
3/4" = 1'-0"



3 FLOORING TRANSITION STRIPS  
6" = 1'-0"

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





SIGNAGE GENERAL NOTES

1. ALL SIGNAGE IDENTIFYING PERMANENT ROOMS MUST COMPLY WITH 2010 STANDARD FOR ACCESSIBLE DESIGN AND THE FARGO VA SIGNAGE STANDARD.
2. ALL PERMANENT ROOM SIGNAGE TO HAVE TOP SECTION RAISED TEXT AND LOWER SECTION BRAILLE. BRAILLE TO BE GRADE 2.
3. ALL SIGNS TO BE MOUNTED ON LATCH SIDE OF DOOR UNLESS NOTED OTHERWISE. IF NO SPACE EXISTS ON LATCH SIDE MOUNT SIGN TO THE NEAREST ADJACENT WALL. SIGNS MUST BE 2" FROM DOOR JAMB WITH 18" CLEAR FLOOR SPACE FROM CENTER OF SIGN.
4. ALL SIGN TEXT AND NUMBERING SUBJECT TO FINAL APPROVAL BY OWNER.
5. ALL SIGNS MOUNTED TO GLASS TO HAVE GLASS BACKER.
6. SIGNS TO BE MOUNTED ACCORDING TO MANUFACTURERS INSTALLATION INSTRUCTIONS AND MATERIALS.
7. SIGN DETAILS ARE FOR REFERENCE ONLY. ACTUAL DESIGN TO BE PROVIDED BY THE VENDOR, FOLLOWING FACILITY STANDARD, AND SUBJECT TO OWNER APPROVAL.

SIGNAGE SCHEDULE					
LOCATION	SIGN TYPE	QTY	SIGN MESSAGE 1	SIGN MESSAGE 2	REMARKS
BA-44C	A16	2	BA-44C	HAC	
BA-70	A16	1	BA-70	OFFICE	
BA-70A	A16	1	BA-70A	MECHANICAL	
BA-70B	A16	1	BA-70B	ANTE ROOM	
BA-70C	A16	1	BA-70C	HAC	
BB-18C	A16	2	BB-18C	PREP / ASSEMBLY / STORAGE	
BB-20	A16	1	BB-20	RECEIVING / DECONTAMINATION	
BB-20A	A16	1	BB-20A	STERILIZERS	
BB-20B	A16	1	BB-20B	SCOPE PROCESSING	
C006	A16	2	C006	CORRIDOR	

1 LOWER LEVEL WAYFINDING PLAN - AREA A

1/4" = 1'-0"

C:\Users\csc\app\Documents\17639-A-R03\_csc\an\AMEX.vnt

VA FORM 08 - 6231

Revisions:	Date:

CONSULTANT



2882 106TH STREET  
DES MOINES IA 50322

DESIGNER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | ae-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 17639

STAMP



Office of  
Construction  
and Facilities  
Management



U.S. Department  
of Veterans  
Affairs

Drawing Title

LOWER LEVEL WAYFINDING PLAN -  
AREA A

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

PERFORM SITE PREP  
FOR SPS EQUIPMENT

Location

FARGO, ND

Issue Date

1/22/2025

Checked

CEZ

Drawn

CEZ

Project Number

437-CSI-241

Building Number

9

Drawing Number

AW111

BID DOCUMENT SUBMISSION



1 LOWER LEVEL WAYFINDING PLAN - TEMP TRAILER - AREA B

$$1/4" = 1'-0"$$

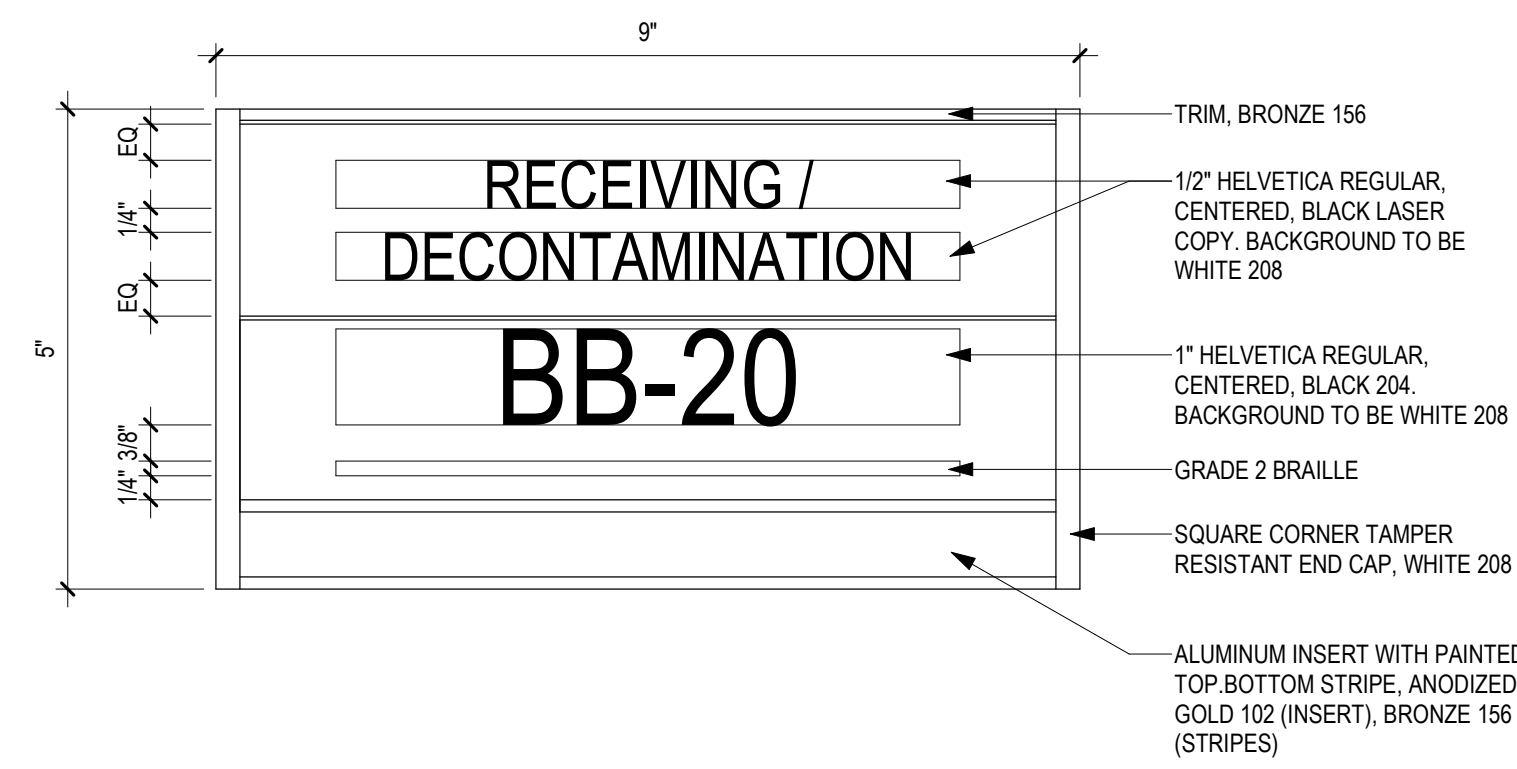
## BID DOCUMENT SUBMISSION

Project Number	437-CSI-241
----------------	-------------

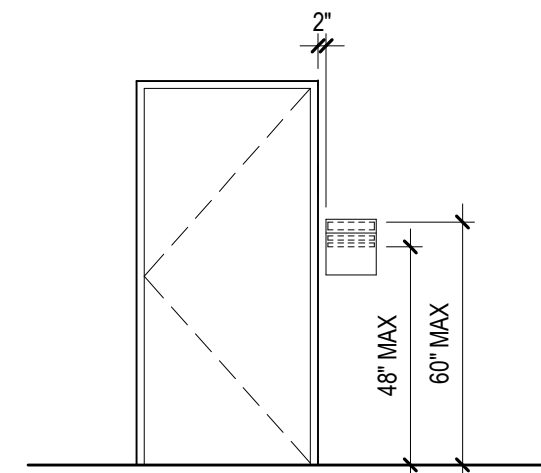
Building Number	9
-----------------	---

	Drawing Number

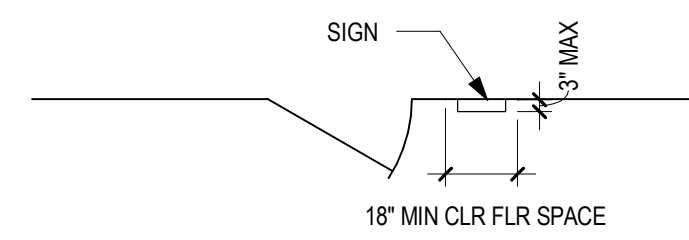
AW112AW112



1 A16 - ROOM IDENTIFICATION SIGN  
6" = 1'-0"





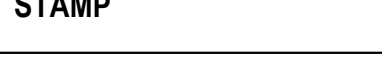
2 SIGN WALL ELEVATION  
1/4" = 1'-0"



3 SIGNAGE PLAN VIEW  
1/4" = 1'-0"

## SIGNAGE GENERAL NOTES

1. ALL SIGNAGE IDENTIFYING PERMANENT ROOMS MUST COMPLY WITH 2010 STANDARD FOR ACCESSIBLE DESIGN AND THE FARGO VA SIGNAGE STANDARD.
2. ALL PERMANENT ROOM SIGNAGE TO HAVE TOP SECTION RAISED TEXT AND LOWER SECTION BRAILLE. BRAILLE TO BE GRADE 2.
3. ALL SIGNAGE TO BE MOUNTED ON LATCH SIDE OF DOOR UNLESS NOTED OTHERWISE. IF NO SPACE EXISTS ON LATCH SIDE MOUNT SIGN TO THE NEAREST ADJACENT WALL. SIGNAGE MUST BE 2" FROM DOOR JAMB WITH 3" CLEAR FLOOR SPACE FROM CENTER OF SIGN.
4. ALL SIGN TEXT AND NUMBERING SUBJECT TO FINAL APPROVAL BY OWNER.
5. ALL SIGNS MOUNTED TO GLASS TO HAVE GLASS BACKER.
6. SIGNS TO BE MOUNTED ACCORDING TO MANUFACTURERS INSTALLATION INSTRUCTIONS AND MATERIALS.
7. SIGN DETAILS ARE FOR REFERENCE ONLY. ACTUAL DESIGN TO BE PROVIDED BY THE VENDOR, FOLLOWING FACILITY STANDARD, AND SUBJECT TO OWNER APPROVAL.

		<div>CONSULTANT</div> <div></div> <div>2882 106TH STREET DES MOINES IA 50322</div>	<div>DESIGNER OF RECORD</div> <div></div> <div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   <a href="mailto:ae-mn.com">ae-mn.com</a> Anderson Engineering of Minnesota, LLC   <a href="#">Proj # 17639</a></div>	<div>STAMP</div> <div></div> <div><div>VA</div><div>U.S. Department of Veterans Affairs</div></div>	Drawing Title	Phase	Project Title	Project Number	
					SIGNAGE DETAILS	BID DOCUMENTS	PERFORM SITE PREP FOR SPS EQUIPMENT	437-CSI-241	
					Approved:	FULLY SPRINKLERED	Location	Building Number	
							FARGO, ND	9	
							Issue Date	Checked	Drawn
							1/22/2025	CEZ	CEZ
Revisions:	Date:					Drawing Number	AW601		







1

2

3

4

5

6

7

8

9

10

VIEW KEY

NAME

LEVEL NAME

10'-0"

HEIGHT ABOVE PROJECT 0'-0"

1

KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

VIEW NAME

1/8" = 1'-0"

PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY SECTION CUT

SHEET DETAIL IS LOCATED ON

SIM

1

M101

SIM

4

2

T101

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)

NEW

EXISTING TO BE REMOVED (SHORT DASHED PATTERN)

NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)

EXISTING

EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)

EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

TAG-E

TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1

UNDERLINED TAG INDICATES OBJECT IS IN SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

FIRE / SMOKE BARRIER DESIGNATIONS

THE LINE TYPES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 2 HOUR FIRE/SMOKE, BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED 06/04/24.

2 HOUR FIRE BARRIER OR WALL

-----

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

BUILDING CODE:

IBC 2021 EDITION

FIRE CODE:

NFPA 1 2024 EDITION

SPRINKLER INSTALLATION STANDARD:

NFPA 13 2022

FIRE ALARM AND SIGNALING CODE:

NFPA 72 2022

VA FIRE PROTECTION DESIGN MANUAL:

9TH EDITION, NOV. 2023

MECHANICAL CODE:

IMC 2021 EDITION

ELECTRICAL CODE:

NFPA 70 (NEC) 2023 EDITION

LIFE SAFETY CODE:

NFPA 101 2024 EDITION

ENERGY CONSERVATION CODE:

IECC 2021

HEALTH DEPARTMENT CODE:

CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:

DESCRIPTION:

C.C.

CIVIL CONTRACTOR

E.C.

ELECTRICAL CONTRACTOR

F.P.C.

FIRE PROTECTION CONTRACTOR

G.C.

GENERAL CONTRACTOR

M.C.

MECHANICAL CONTRACTOR

P.C.

PLUMBING CONTRACTOR

T.C.

TECHNOLOGY CONTRACTOR

T.C.C.

TEMPERATURE CONTROLS CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:

PERSON:

PROJECT MANAGER

DELLAN LLEWELLYN, P.E.

AUTOMATIC SPRINKLER

LUCAS HEITZ

FIRE ALARM

ZACH ROSS

TECHNOLOGY

CRAIG BUCHHOLZ

FIRE PUMP FLOW TEST DATA

TEST DATE:

09/09/2024

LOCATION:

AT EXISTING MAIN HOSPITAL FIRE PUMP

SUCTION PRESSURE:

12 PSI

DISCHARGE PRESSURE:

100 PSI

TOTAL FLOW:

0 GPM AT 130 PSI, 1034 GPM AT 100 PSI, 0 GPM AT 63 PSI

FIRE PROTECTION SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:

DESCRIPTION:

DFP

DRAIN

FP

FIRE PROTECTION

W

SERVICE WATER - POTABLE

PIPE CAP

PIPE DOWN

PIPE UP OR UP/DOWN

UNION/FLANGE

DIRECTION OF FLOW IN PIPE

ROUTE TO DRAIN

SHUTOFF VALVE NORMALLY OPEN

SHUTOFF VALVE NORMALLY CLOSED

AUTOMATIC DRAIN VALVE

AIR PRESSURE MAINTENANCE DEVICE

AIR SUPERVISORY SWITCH

ANGLE VALVE

BUTTERFLY VALVE WITH MONITOR SWITCH

CHECK VALVE

INDICATOR POST - WALL MOUNTED

INDICATOR POST - YARD MOUNTED

FIRE PUMP TEST CONNECTION

FIRE DEPARTMENT CONNECTION - WALL EXPOSED

FIRE DEPARTMENT CONNECTION - WALL FLUSH

FIRE DEPARTMENT CONNECTION - WALL STORZ

FIRE DEPARTMENT CONNECTION - YARD

BACKFLOW PREVENTER

INSPECTOR TEST AND DRAIN VALVE

OS&Y GATE VALVE

OS&Y GATE VALVE WITH MONITOR SWITCH

FLOW SWITCH

PRESSURE SWITCH

PRESSURE GAUGE (FURNISHED WITH BALL VALVE)

MONITOR SWITCH

-----

AREA BOUNDARY

NO HATCH

LIGHT HAZARD, 0.10 GPM/SQ FT OVER MOST REMOTE 1,500 SQ FT, 100 GPM HOSE STREAM.

ORDINARY HAZARD GROUP 1, 0.15 GPM/SQ FT OVER MOST REMOTE 1,500 SQ FT, 250 GPM HOSE STREAM.

ORDINARY HAZARD GROUP 2, 0.2 GPM/SQ FT OVER MOST REMOTE 1,500 SQ FT, 250 GPM HOSE STREAM.

DEMOLITION

EXTRA HAZARD GROUP 1, 0.3 GPM/SQ FT OVER MOST REMOTE 2,500 SQ FT, 500 GPM HOSE STREAM.

EXTRA HAZARD GROUP 2, 0.4 GPM/SQ FT OVER MOST REMOTE 2,500 SQ FT, 500 GPM HOSE STREAM.

SPRINKLER - WALL MOUNTED

SPRINKLER

SPRINKLER - CONCEALED

SPRINKLER

SPRINKLER

SPRINKLER

SPRINKLER

SPRINKLER

NOTES:

1. FPC SHALL UTILIZE DENSITY/AREA METHOD, ROOM DESIGN METHOD, OR SPECIAL DESIGN AREAS AS DESCRIBED IN NFPA 13 TO DETERMINE WATER SUPPLY REQUIREMENTS.

2. THE FOLLOWING MODIFICATIONS TO THE AREAS LISTED ABOVE SHALL BE PROVIDED AS REQUIRED AND DESCRIBED BY NFPA 13:

A. SLOPED CEILINGS WITH A PITCH EXCEEDING 1 IN 6 - 30% INCREASE

B. QUICK RESPONSE SPRINKLER REDUCTION - AS DESCRIBED IN NFPA 13.

3. DESIGN FIRE AREA FOR EARLY SUPPRESSION FAST RESPONSE (ESFR) AREAS SHALL INCLUDE THE MOST HYDRAULICALLY DEMANDING 12 SPRINKLERS WITH THREE HEADS ON EACH OF THREE BRANCHES. ALTERNATE COMBINATIONS OF K-FACTOR AND MINIMUM OPERATING PRESSURE THAN THOSE LISTED ABOVE SHALL BE PERMITTED IF IN ACCORDANCE WITH NFPA 13 SECTIONS 16.2.3.1 AND 17.2.3.1.

FIRE PROTECTION GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.

2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.

3. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2X4 CEILING TILES CENTERING USING A 2X2 CEILING PATTERN IS ACCEPTABLE. SPRINKLER HEADS SHALL BE ALIGNED WITH OTHER SPRINKLER HEADS, LIGHTING, DIFFUSERS, AND ANY OTHER FEATURES IN THE CEILING.

4. NEW SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.

5. PROVIDE COVERAGE ABOVE AND BELOW ALL EXPOSED DUCTWORK GREATER THAN 48" WIDE.

6. PROVIDE COVERAGE ABOVE (IF APPLICABLE) AND BELOW FLOATING CEILINGS, REFER TO ARCHITECTURAL PLANS.

7. FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.

8. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED TO MEET OWNER'S INSURANCE COMPANY STANDARDS WHERE APPLICABLE. THE MORE STRINGENT OF THE OWNER'S INSURANCE UNDERWRITER'S DESIGN CRITERIA AND THE NFPA STANDARDS SHALL BE USED.

9. ALL BUILDING AREA SHALL BE FULLY SPRINKLERED INCLUDING CANOPIES, WALKWAYS, OVERHANGS, SOFFITS, AND BUILDING PROJECTIONS. ALL ACCESSIBLE COMBUSTIBLE CONCEALED SPACES SHALL BE FULLY PROTECTED BY THE SPRINKLER SYSTEM.

10. EACH ASSEMBLY SHALL INCLUDE BUTTERFLY CONTROL VALVE INDICATING "OPEN" OR "CLOSED" POSITION, TEST INSPECTION VALVE, FLOW SWITCH AND PRESSURE GAUGES.

11. PROVIDE RISER ROOM IDENTIFICATION SIGNAGE OUTSIDE THE FIRE RISER ROOM. COORDINATE EXACT SIGN LANGUAGE WITH ASHJ.

12. WHERE FEASIBLE INSTALL PIPES HIGH AS POSSIBLE TO AVOID CONFLICT WITH OTHER DISCIPLINES.

13. INSTALL SYSTEM DRAINS AT LOW POCKET AREAS CONTAINING FIVE GALLONS OF WATER OR MORE, PROVIDE WITH ISOLATION VALVE AND THREADED HOSE CONNECTION.

14. MAIN PIPING PASSING BELOW SKYLIGHTS OR CLERESTORIES ARE NOT PERMITTED.

15. FOLLOW STRUCTURAL DETAILS WHEN PENETRATING OR PASSING THROUGH STRUCTURAL ELEMENTS. ALTERNATE DESIGNS WILL NEED TO BE APPROVED THROUGH THE STRUCTURAL ENGINEER.

16. PROVIDE INTERMEDIATE TEMPERATURE SPRINKLER HEADS WHERE REQUIRED BY NFPA 13 UNLESS OTHERWISE NOTED.

17. FINAL HEAD LOCATION, TYPE AND FINISH SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT.

18. PAINT ALL EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY THE ARCHITECT.

19. THE C.O.R. MUST BE NOTIFIED PRIOR TO EACH AND EVERY DRAINING OR RECHARGING OF THE SPRINKLER SYSTEM.

20. THE CONTRACTOR SHALL PREPARE A COORDINATED SET OF SHOP DRAWINGS AND SHALL OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND THE LOCAL FIRE DEPARTMENT PRIOR TO ANY INSTALLATION.

21. WHERE PIPES PASS THROUGH HOLES IN PLATFORMS, FOUNDATIONS, WALL, OR FLOORS, THE HOLES SHALL BE SIZED SUCH THAT DIAMETER OF THE HOLE IS NOMINALLY 2 INCHES LARGER THAN THE PIPE FOR 1" NOMINAL TO 3 1/2" NOMINAL AND 4" LARGER THAN THE PIPE FOR PIPE 4" AND LARGER.

22. DRAWINGS SHOW LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.

23. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.

FIRE PROTECTION RENOVATION NOTES:

THESE NOTES APPLY TO ALL FIRE PROTECTION SHEETS.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.

2. NOT ALL EXISTING PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.

3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.

4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.

5. EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.

7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT OR PIPING IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT OR PIPING.

8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.

9. OBTAIN PERMISSION FROM THE C.O.R. BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.

10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TEST AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.

11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

FIRE PROTECTION SHEET INDEX

FS 000

FIRE PROTECTION COVERSHEET

FS 001

SPS TRAILER FLOOR PLAN - FIRE PROTECTION

FS 101

LOWER LEVEL FLOOR PLAN - FIRE PROTECTION

FS 500

FIRE PROTECTION DETAILS

FSD 101

LOWER LEVEL DEMOLITION PLAN - FIRE PROTECTION

GRAND TOTAL: 5

FIRE PROTECTION ABBREVIATION KEY

ABBR:

DESCRIPTION:

AD

ACCESS DOOR

AFF

ABOVE FINISHED FLOOR

BFP

BACKFLOW PREVENTER

C.O.R.

CONTRACTING OFFICER'S REPRESENTATIVE

N.C.

NORMALLY CLOSED

NIC

NOT IN CONTRACT

N.O.

NORMALLY OPEN

SCCR

SHORT CIRCUIT CURRENT RATING

TYP

TYPICAL

UON

UNLESS OTHERWISE NOTED

Revisions:

Date:

CONSULTANT

IMEG

2882 106TH STREET  
DES MOINES IA 50322

DESIGNER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | ae-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 17639

STAMP

DELLAN J. LLEWELLYN  
27052

Office of Construction and Facilities Management

VA

U.S. Department of Veterans Affairs

Drawing Title

FIRE PROTECTION COVERSHEET

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

PERFORM SITE PREP FOR SPS EQUIPMENT

Location

FARGO, ND

Issue Date

1/22/2025

Checked

ERIHEN

Drawn

LUCHEI

Project Number

437-CSI-241

Building Number

9

Drawing Number

FS 000

1

2

3

4

5

6

7

8

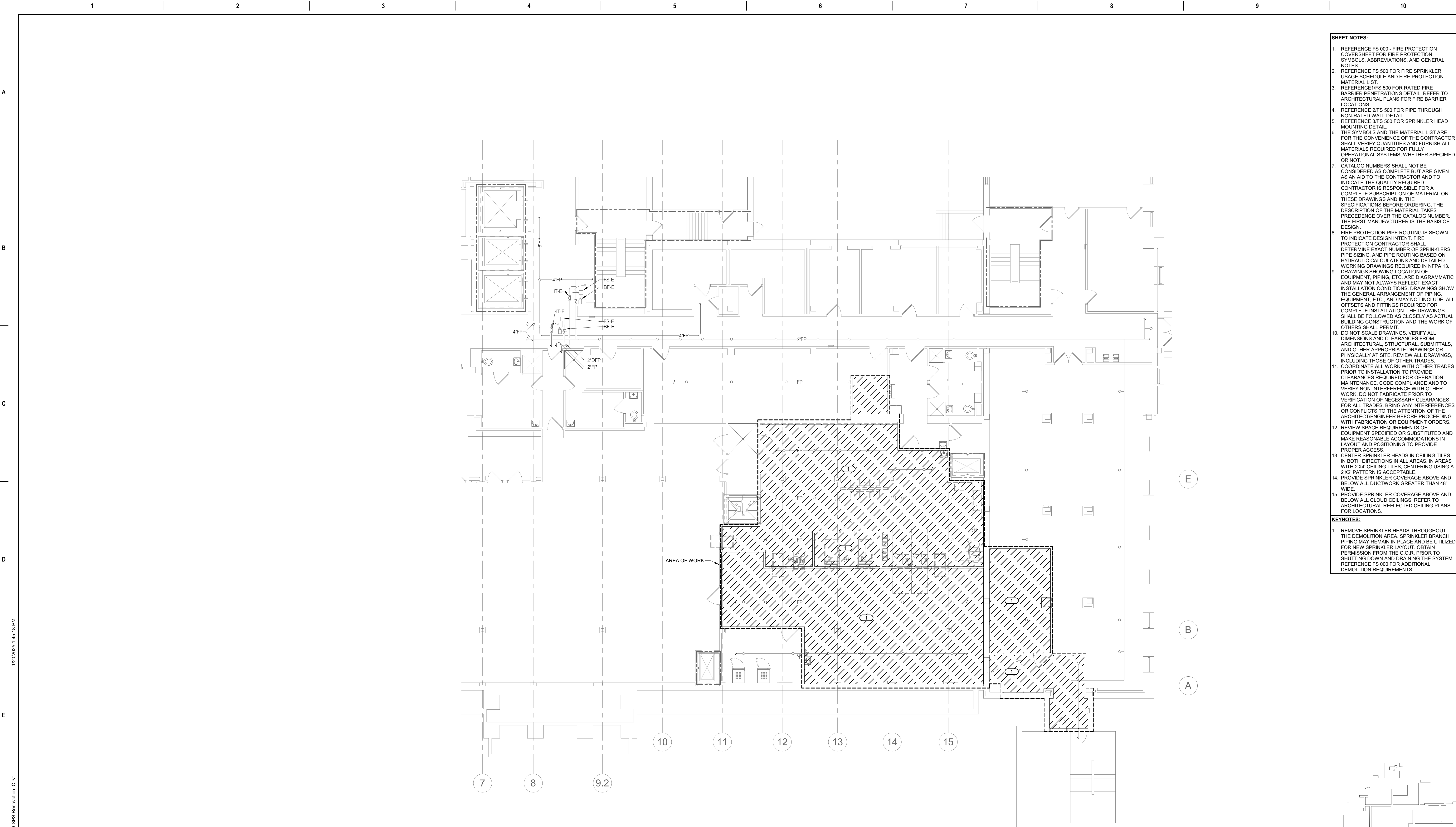
9

10

1/20/2025 1:45:15 PM

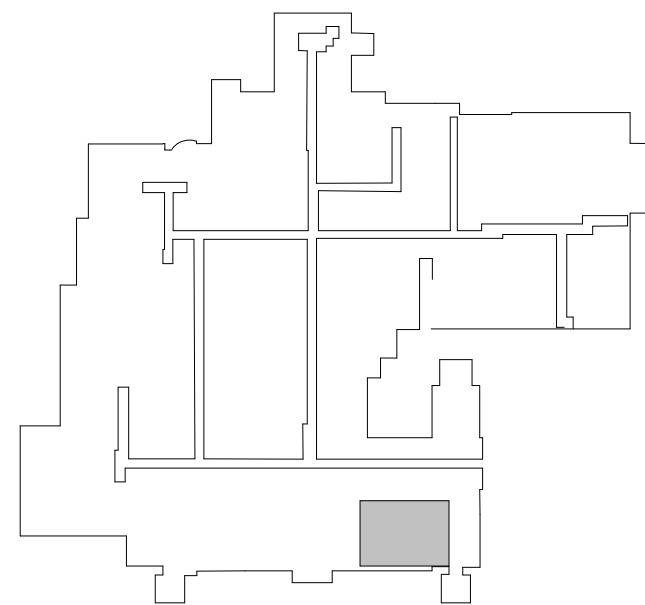
VA FORM 08 - 6231





- SHEET NOTES:**
- REFERENCE FS 000 - FIRE PROTECTION COVERSHEET FOR FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
  - REFERENCE FS 500 FOR FIRE SPRINKLER USAGE SCHEDULE AND FIRE PROTECTION MATERIAL LIST.
  - REFERENCE 1/FS 500 FOR RATED FIRE BARRIER PENETRATIONS DETAIL. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER LOCATIONS.
  - REFERENCE 2/FS 500 FOR PIPE THROUGH NON-RATED WALL DETAIL.
  - REFERENCE 3/FS 500 FOR SPRINKLER HEAD MOUNTING DETAIL.
  - THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
  - CATALOG NUMBERS SHALL NOT BE CONSIDERED AS COMPLETE BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE SUBSCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.
  - FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING BASED ON HYDRAULIC CALCULATIONS AND DETAILED WORKING DRAWINGS REQUIRED IN NFPA 13.
  - DRAWINGS SHOWING LOCATION OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS SHALL PERMIT.
  - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
  - COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
  - REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
  - CENTER SPRINKLER HEADS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES, CENTERING USING A 2'x2' PATTERN IS ACCEPTABLE.
  - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
  - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL CLOUD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS.
- KEYNOTES:**
- REMOVE SPRINKLER HEADS THROUGHOUT THE DEMOLITION AREA. SPRINKLER BRANCH PIPING MAY REMAIN IN PLACE AND BE UTILIZED FOR NEW SPRINKLER LAYOUT. OBTAIN PERMISSION FROM THE C.O.R. PRIOR TO SHUTTING DOWN AND DRAINING THE SYSTEM. REFERENCE FS 000 FOR ADDITIONAL DEMOLITION REQUIREMENTS.

**1 LOWER LEVEL DEMOLITION PLAN - FIRE PROTECTION**  
1/8" = 1'-0"



KEY PLAN  
LOWER LEVEL

BID DOCUMENT SUBMISSION

<div>Revisions:</div> <div>Date:</div>		<div>CONSULTANT</div> <div>IMEG</div> <div>2882 106TH STREET DES MOINES IA 50322</div>	<div>DESIGNER OF RECORD</div> <div>ANDERSON</div> <div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639</div>	<div>STAMP</div> <div></div>	<div>Office of Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>	Drawing Title LOWER LEVEL DEMOLITION PLAN - FIRE PROTECTION		Phase BID DOCUMENTS		Project Title PERFORM SITE PREP FOR SPS EQUIPMENT		Project Number 437-CSI-241	
						Approved:		FULLY SPRINKLERED		Location FARGO, ND		Building Number 9	
						Issue Date 1/22/2025		Checked ERIHEN		Drawn LUCHEI		Drawing Number FSD 101	





- KEYNOTES:**

1. PROVIDE NEW TEMPORARY FIRE DEPARTMENT CONNECTION IN LOCATION SHOWN. DO NOT DEMO EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING AS THIS WILL BE REACTIVATED AFTER CONSTRUCTION IS COMPLETE. ONCE CONSTRUCTION IS COMPLETE, REMOVE TEMPORARY FIRE DEPARTMENT CONNECTION.
2. PROVIDE NEW SPRINKLER PIPING IN LOCATION SHOWN. ONCE CONSTRUCTION IS COMPLETE, REMOVE SPRINKLER PIPING.



## FS 001



A

B

C

D

E

F

1/20/2025 1:45:16 PM

Autosave Doc:1904226.05 - VA Fargo- ND SPS Renovation\F123\_1904226.05\_VA-Fargo-ND-SPS Renovation\_C.rvt

T

1

2

3

4

5

6

7

8

9

10

A

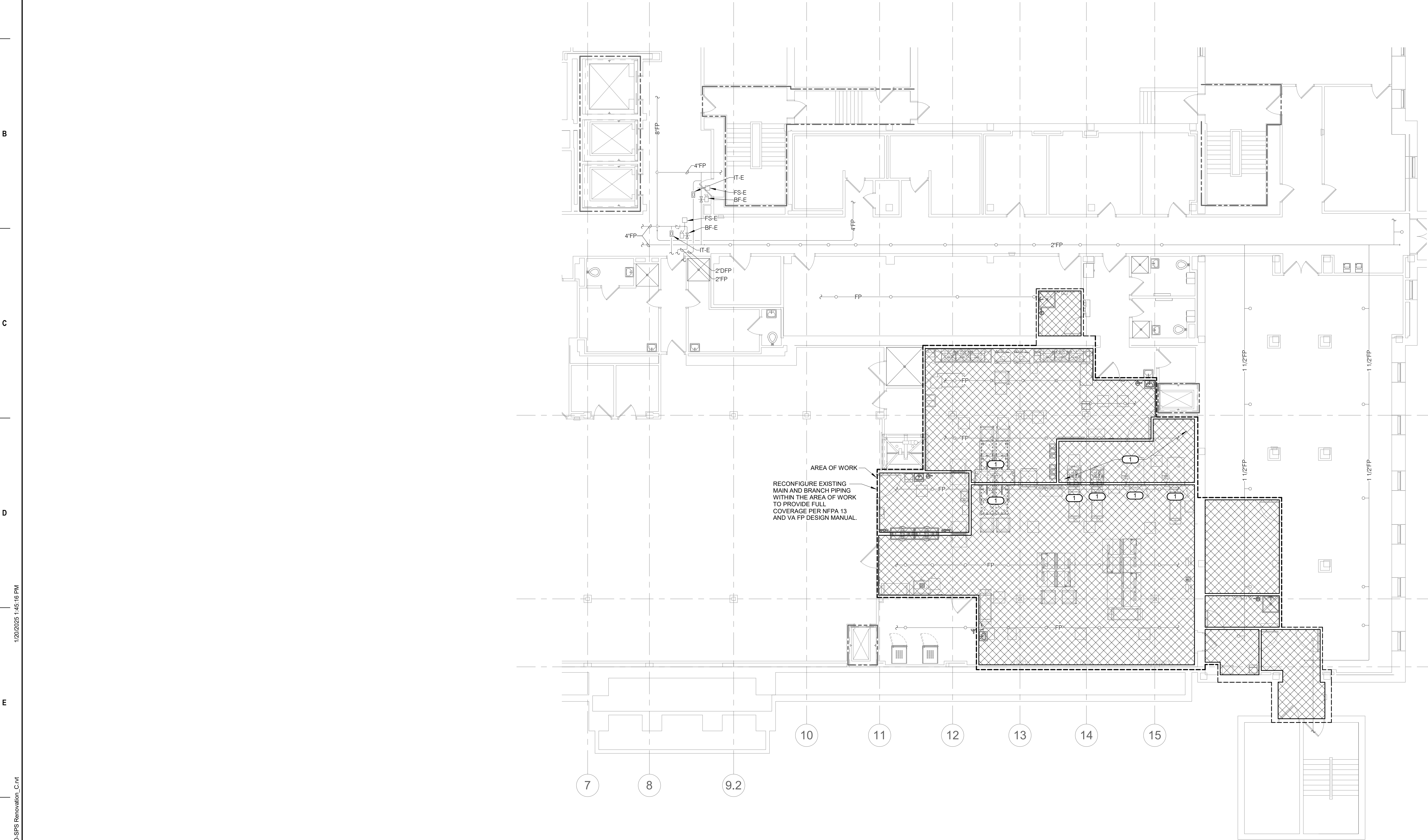
B

C

D

E

F

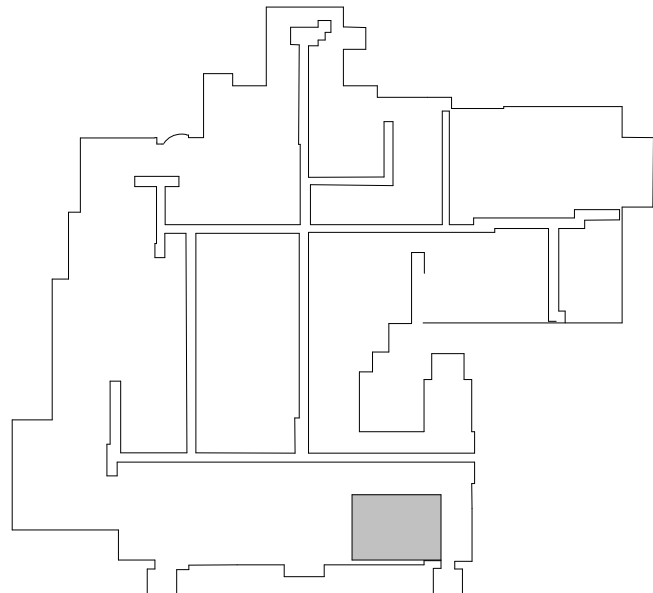


**SHEET NOTES:**

1. REFERENCE FS 000 - FIRE PROTECTION COVERSHEET FOR FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. REFERENCE FS 500 FOR FIRE SPRINKLER USAGE SCHEDULE AND FIRE PROTECTION MATERIAL LIST.
3. REFERENCE 1/FS 500 FOR RATED FIRE BARRIER PENETRATIONS DETAIL. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER LOCATIONS.
4. REFERENCE 2/FS 500 FOR PIPE THROUGH NON-RATED WALL DETAIL.
5. REFERENCE 3/FS 500 FOR SPRINKLER HEAD MOUNTING DETAIL.
6. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
7. CATALOG NUMBERS SHALL NOT BE CONSIDERED AS COMPLETE BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE SUBSCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.
8. FIRE PROTECTION PIPE ROUTING IS SHOWN TO INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING BASED ON HYDRAULIC CALCULATIONS AND DETAILED WORKING DRAWINGS REQUIRED IN NFPA 13.
9. DRAWINGS SHOWING LOCATION OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS SHALL PERMIT.
10. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
11. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
12. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
13. CENTER SPRINKLER HEADS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES, CENTERING USING A 2'x2' PATTERN IS ACCEPTABLE.
14. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48\"/>
15. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL CLOUD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS.

**KEYNOTES:**

1. PROVIDE HIGH TEMPERATURE RATED SPRINKLERS IN CLOSE PROXIMITY TO STERILIZATION EQUIPMENT.

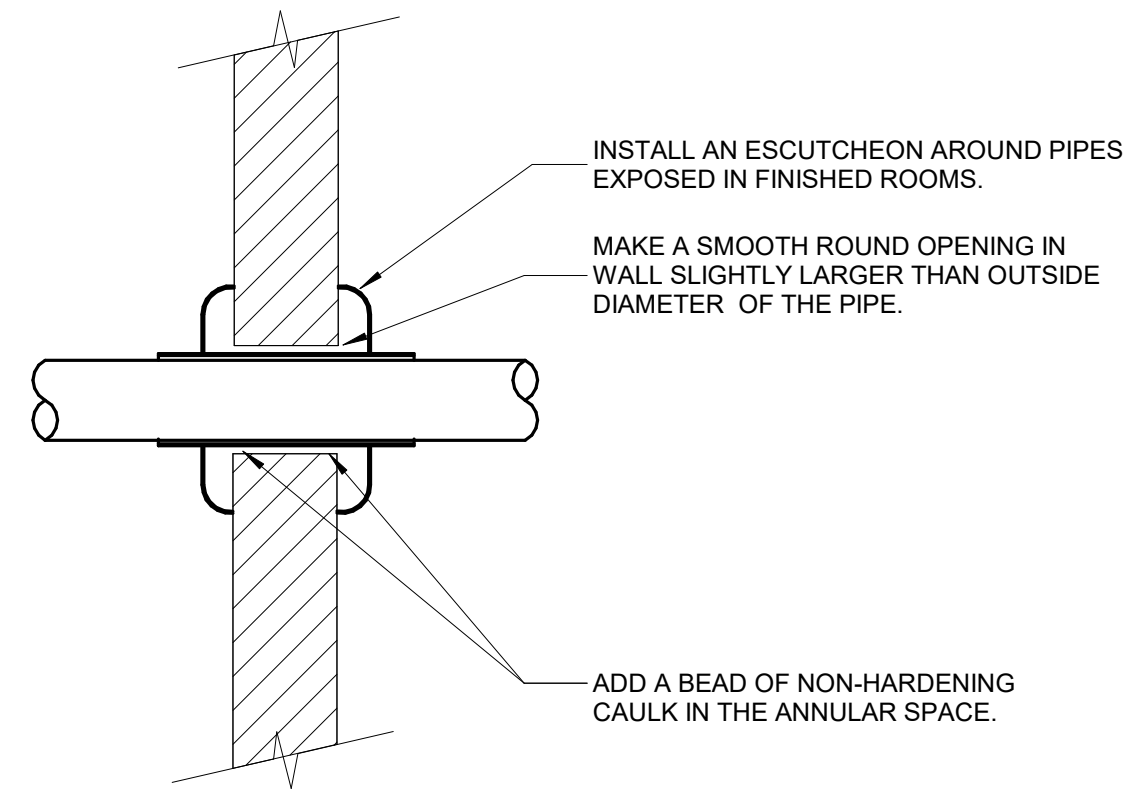


KEY PLAN  
LOWER LEVEL

**BID DOCUMENT SUBMISSION**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





- ## 2 WALL PENETRATION - NON-FIRE RATED

- VA FORM 08-6231



A

B

C

D

E

F

A

B

C

D

E

F

ELECTRICAL SYMBOL LIST		
SYMBOL:	SPEC SECTION:	DESCRIPTION:
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS		SUBSCRIPTS: TYPE / PROGRAMMING # = 15, 30, 75, 110, 177 CANDELA RATING
	28 31 00	AUDIO (SPEAKER) ALARM DEVICE, CEILING OR WALL MOUNTED COMBINATION AUDIO (VOICE) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED  # = CANDELA RATING
	28 31 00	
	28 31 00	FIRE ALARM HEAT DETECTOR  BLANK = COMBINATION RATE OF RISE / FIXED TEMP
	28 31 00	FIRE ALARM MANUAL PULL STATION
	28 31 00	FIRE ALARM ADDRESSABLE MONITOR MODULE
	28 31 00	FIRE ALARM FLOW SWITCH TO MONITOR SPRINKLER SYSTEM

FIRE ALARM RENOVATION NOTES:

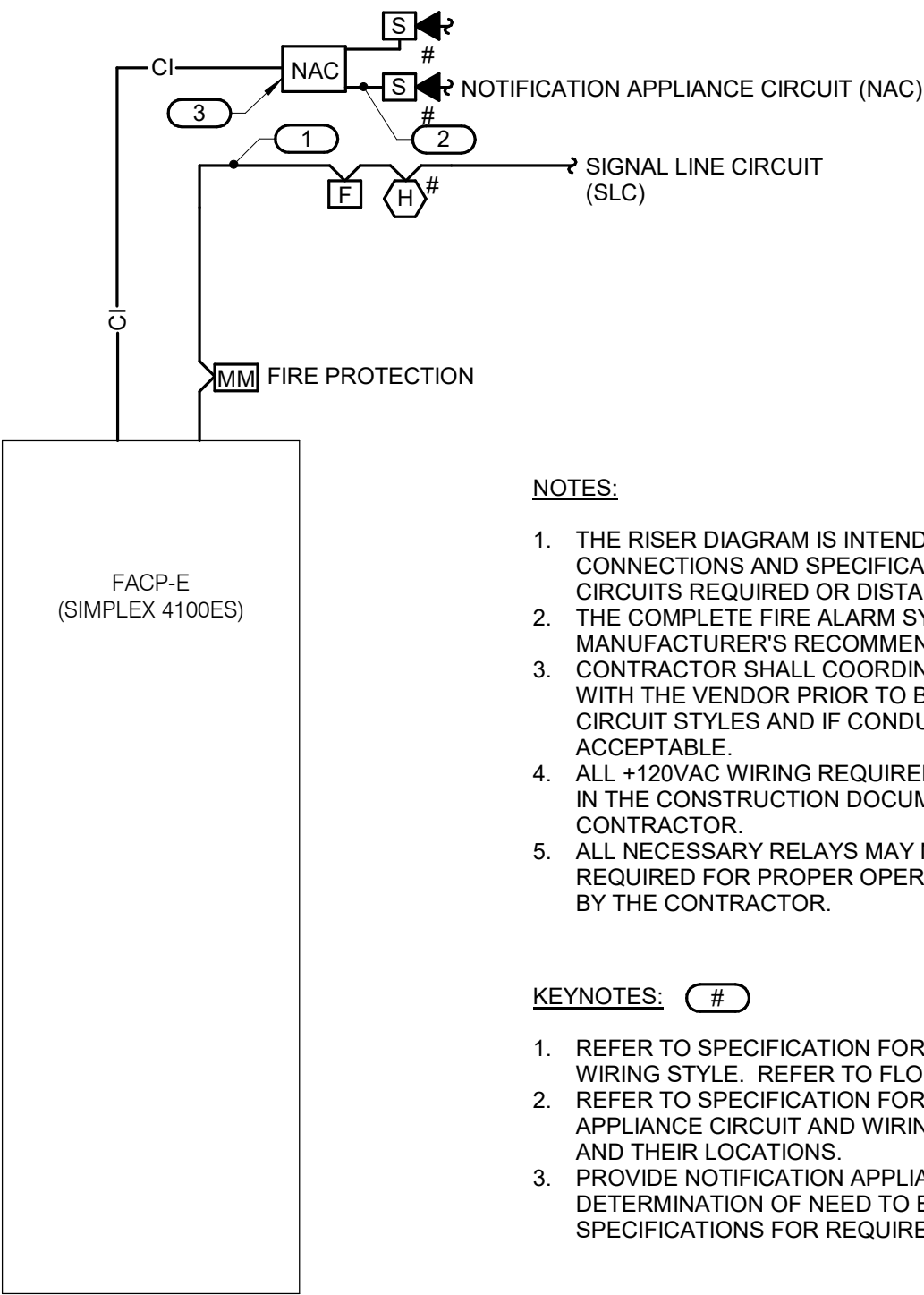
- THESE NOTES APPLY TO ALL FIRE ALARM SHEETS.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
  - NOT ALL EXISTING EQUIPMENT AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
  - CONTRACTOR SHALL REVIEW EXISTING CONDITIONS PRIOR TO FABRICATION OF CABLE TRAY, BUSWAY, CONDUIT RACKS, AND OTHER SYSTEMS. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
  - ELECTRICAL CONTRACTOR SHALL REVIEW EXISTING CONDITIONS TO VERIFY ACCESSIBILITY TO THE AREAS OF THEIR WORK INCLUDING WALLS, FLOOR, CEILINGS, CEILING TILES/GRID, AND ROOF. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CUTTING, REMOVAL, PATCHING, AND REINSTALLATION OF AFFECTED AREAS ASSOCIATED WITH THEIR WORK BY COORDINATING WITH THE GENERAL CONTRACTOR OR QUALIFIED CONTRACTOR.

FIRE ALARM INSTALLATION NOTES:

- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
- MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED.
- INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS, CARBON MONOXIDE DETECTORS, AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE. CARBON MONOXIDE DETECTORS SHALL BE LOCATED 10 PLUS FT FROM FIRE PLACES, COOKING, AND SIMILAR FUEL-BURNING APPLIANCES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.

FIRE ALARM SHEET INDEX

FA000	ELECTRICAL SYSTEMS COVERSHEET
FA101	SPS TRAILER FLOOR PLAN - FIRE ALARM
FA102	LOWER LEVEL FLOOR PLAN - FIRE ALARM
GRAND TOTAL: 3	



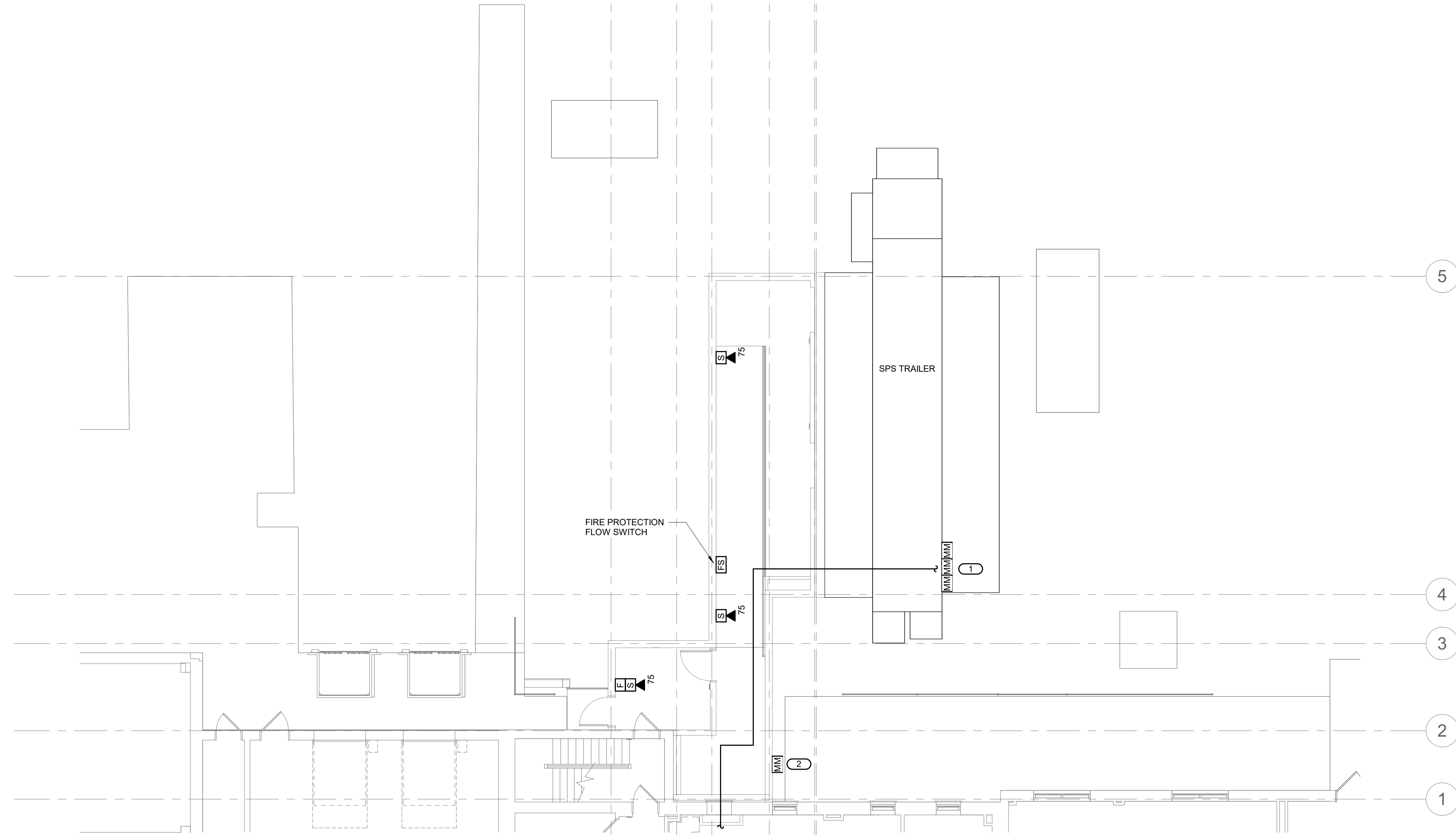
- NOTES:
- THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
  - THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
  - CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
  - ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
  - ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.
- KEYNOTES:
- REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
  - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
  - PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND ACCEPTABLE MOUNTING LOCATIONS.

1 FIRE ALARM RISER  
NO SCALE

BID DOCUMENT SUBMISSION

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**A** **B** **C** **D** **E** **F**



①

$$1/8'' = 1'-0''$$


FA101

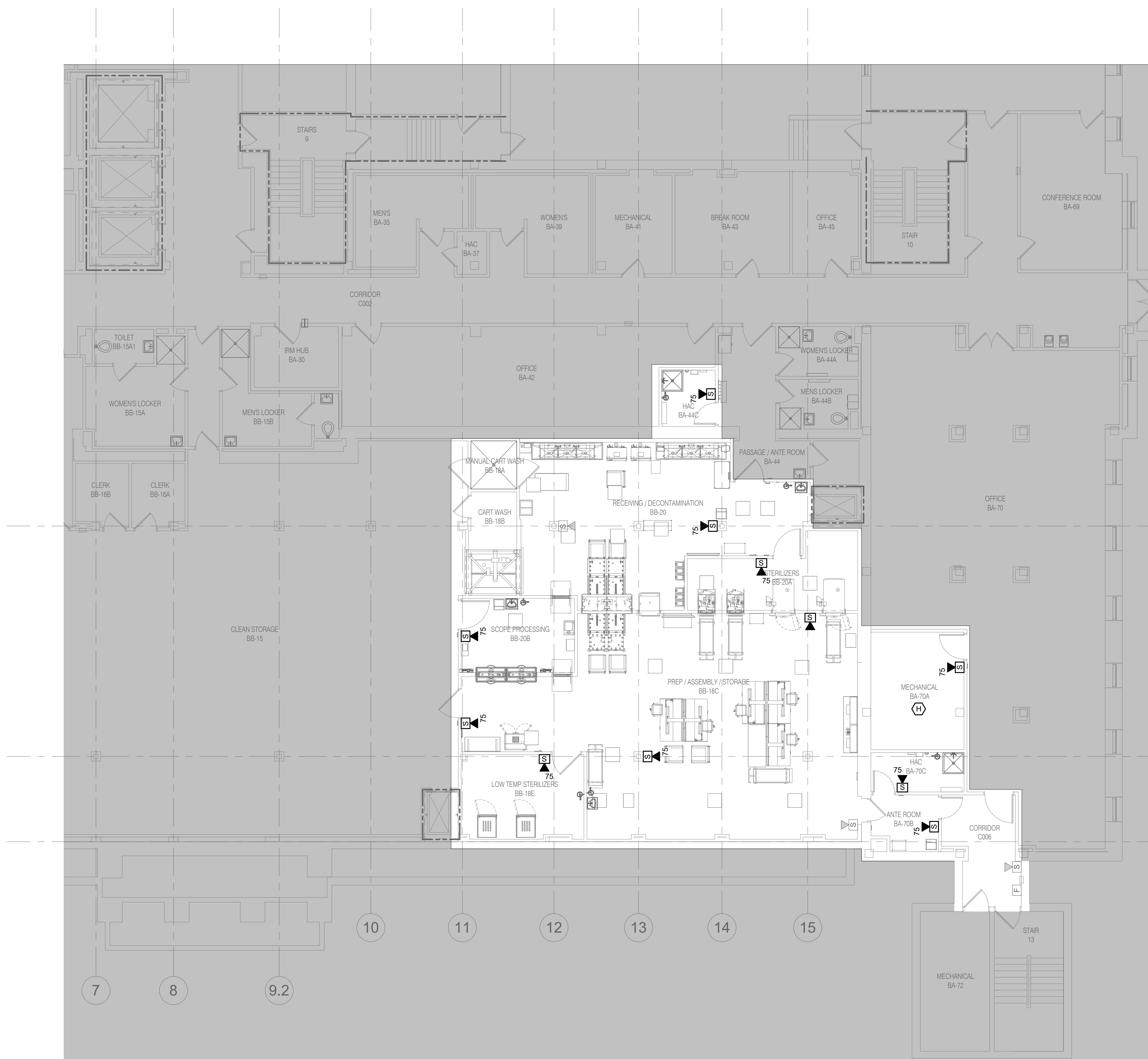


BID DOCUMENT SUBMISSION



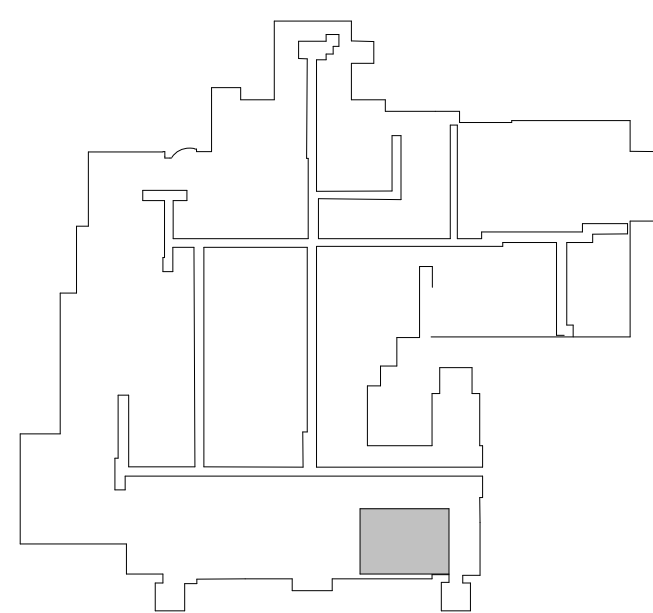
SHEET NOTES

1. EXISTING FIRE ALARM CONTROL PANEL IS A SIMPLEX 4100ES AND IS LOCATED ON LEVEL IN ROOM 1D-01.
2. EXTEND EXISTING FIRE ALARM CIRCUIT IN THE AREA TO NEW DEVICES.
3. NEW DEVICES SHALL MATCH EXISTING SEQUENCE OF OPERATIONS WITHIN THE BUILDING.





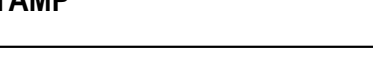

1

### LOWER LEVEL FLOOR PLAN - FIRE ALARM

$$1/8'' = 1'-0''$$


KEY PLAN  
LOWER LEVEL

BID DOCUMENT SUBMISSION

		<b>CONSULTANT</b>  <b>IMEG</b> 2882 106TH STREET DES MOINES IA 50322		<b>DESIGNER OF RECORD</b>  <b>ANDERSON</b> 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 17639		<b>STAMP</b> 		Office of Construction and Facilities Management <div>          U.S. Department of Veterans Affairs       </div>		Drawing Title LOWER LEVEL FLOOR PLAN - FIRE ALARM Approved:		Phase BID DOCUMENTS		Project Title PERFORM SITE PREP FOR SPS EQUIPMENT		Project Number 437-CSI-241 Building Number 9		Drawing Number FA102	
Revisions:		Date:								Fully Sprinklered		Location FARGO, ND		Issue Date 1/22/2025		Checked TONDEL		Drawn ZACROS	



VENTILATION ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
CFSD	CONTROL/FIRE/SMOKE DAMPER
DCE	DUST COLLECTION EXHAUST
DPG (G-27)	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
ECFSD	EXISTING CONTROL FIRE SMOKE DAMPER
EDF	EXISTING FIRE DAMPER
EFSD	EXISTING FIRE SMOKE DAMPER
ESD	EXISTING SMOKE DAMPER
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MA	MIXED AIR
MAU	MAKEUP AIR
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTED

Project Number 437-CSI-241
Building Number 9
Drawing Number M-001