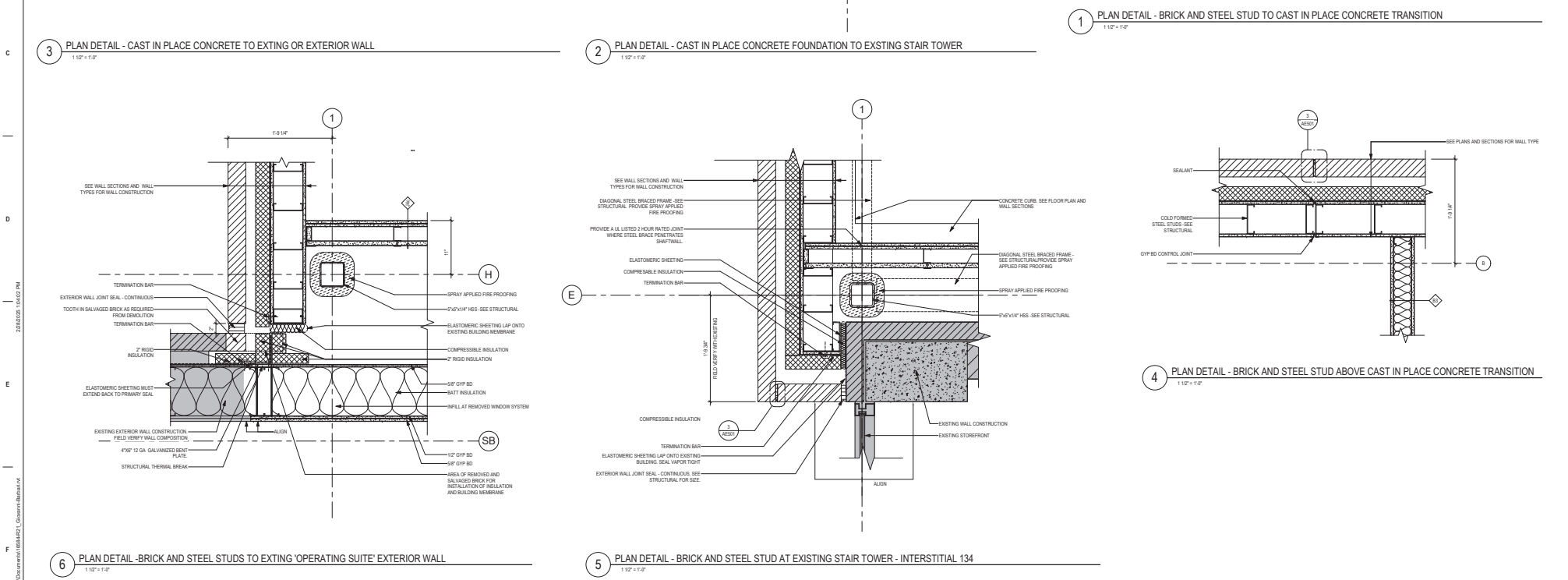
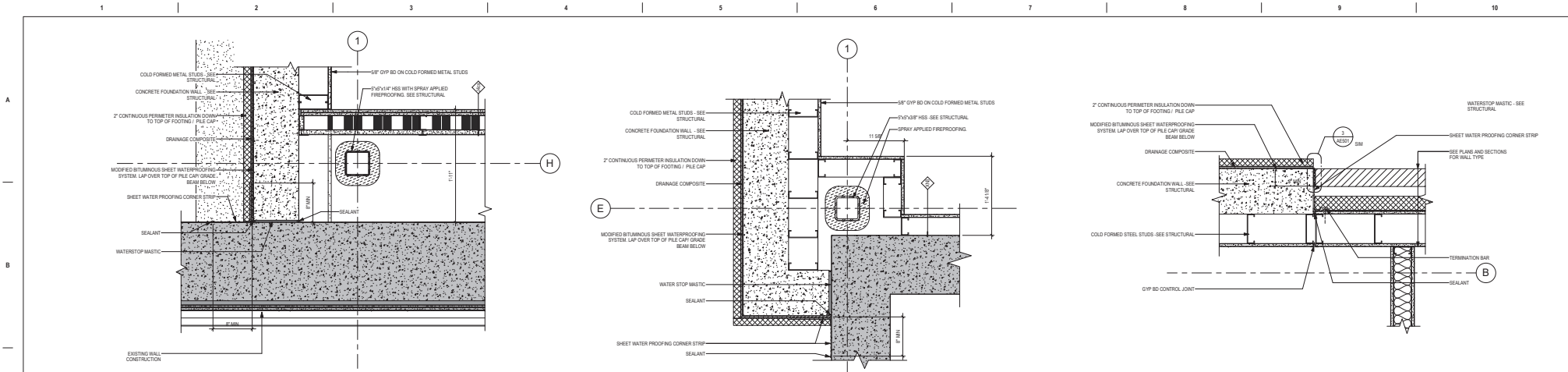


CONSULTANT 2002 10th St, Virginia, VA 23222		ARCHITECT/ENGINEER OF RECORD 13605 3rd Ave. N., 8130 Plymouth, MN 55441 P 788.432.4088 F 788.432.4090 www.anderson-engineering.com Anderson Engineering of Minnesota, LLC PWS 16064		STAMP I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota. Name: <i>John</i> Tom O'Neil Date: 02/14/2025 License Number: 18157	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title EXTERIOR PLAN DETAILS	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460
Revisions: _____ Date: _____					Approved: _____	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 5	
					Issue Date: 02/14/2025	Checked: LA	Drawn: GJB	Drawing Number AE501	



CONSULTANT ARCHITECT/ENGINEER OF RECORD
 2025 RELEASE UNDER E.O. 14176

Revisions:	Date:

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ARCHITECT/ENGINEER OF RECORD

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 Anderson Engineering, Inc. Minneapolis, MN | P 612.339.1600

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *John* Title: *Architect*

Date: 02/14/2025 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR PLAN DETAILS

Approved: _____

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

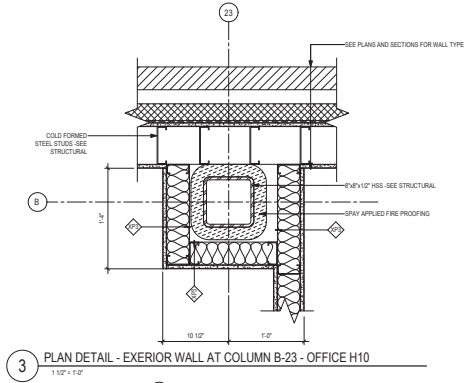
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Issue Date: 02/14/2025

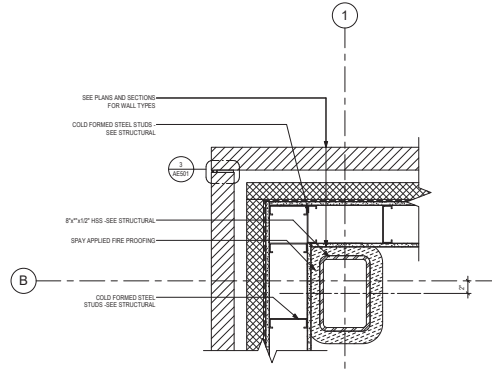
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Drawn: GJB

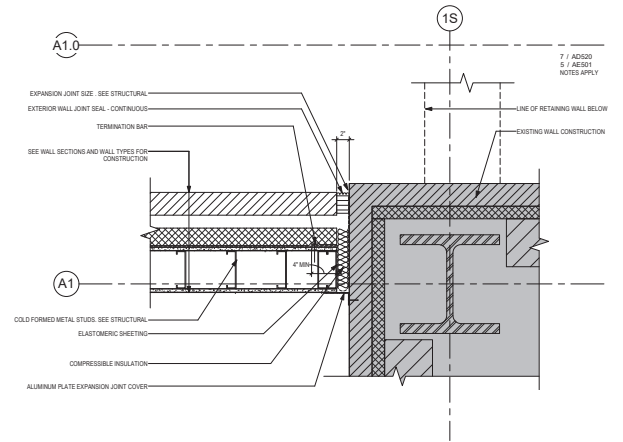
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 Building Number: 5
 Drawing Number: AE502



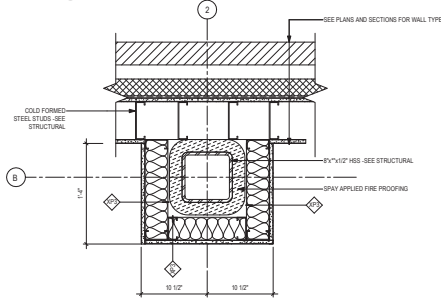
3 PLAN DETAIL - EXTERIOR WALL AT COLUMN B-23 - OFFICE H10
1 1/2" x 1 1/2"



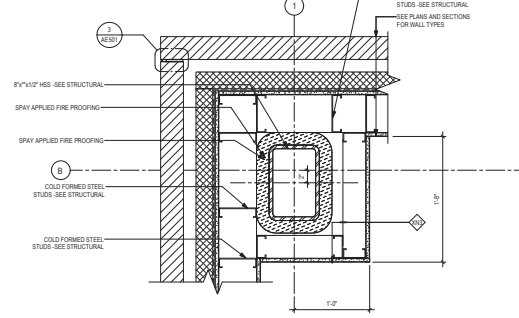
2 PLAN DETAIL - BRICK AND STEEL STUD @ COLUMN B-1 - INTERSTITIAL 134
1 1/2" x 1 1/2"



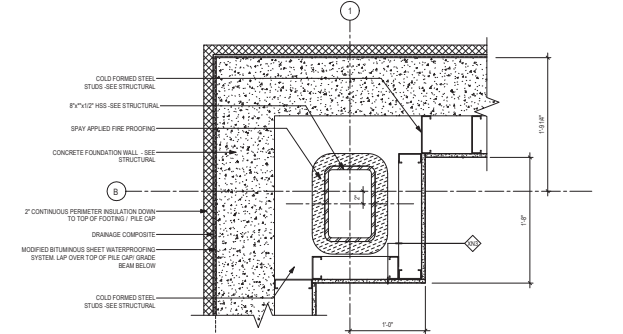
1 PLAN DETAIL - BRICK AND STEEL STUD AT EXISTING BRICK
1 1/2" x 1 1/2"



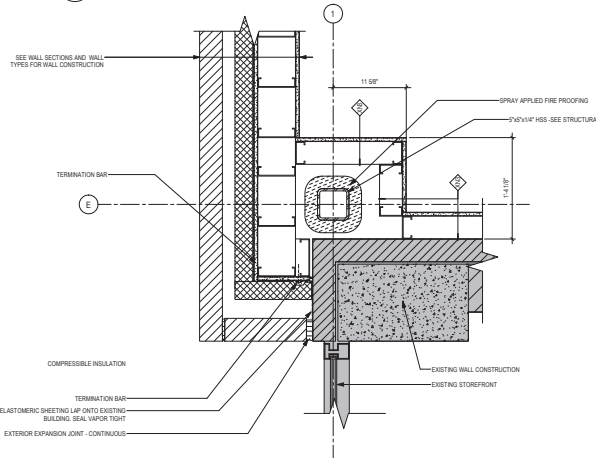
6 PLAN DETAIL - EXTERIOR WALL AT COLUMN B-2
1 1/2" x 1 1/2"



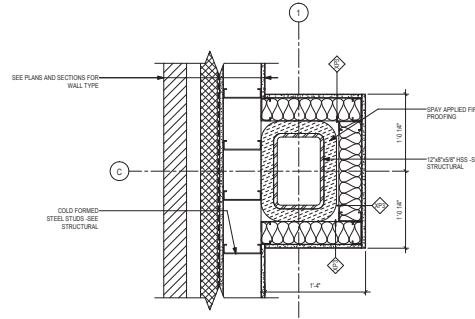
5 PLAN DETAIL - BRICK AND STEEL STUD @ COLUMN B-1 (ABOVE GRADE) - WOMENS SHOWER H13A
1 1/2" x 1 1/2"



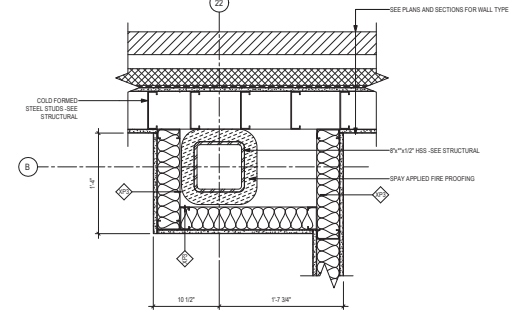
4 PLAN DETAIL - EXTERIOR WALL AT COLUMN B-1 BELOW GRADE
1 1/2" x 1 1/2"



9 PLAN DETAIL - BRICK AND STEEL STUD @ EXISTING STAIR TOWER - CLEAN WORKROOM, ASSEMBLY H15
1 1/2" x 1 1/2"



8 PLAN DETAIL - EXTERIOR WALL AT COLUMN C-1 - CLEAN HAC H16
1 1/2" x 1 1/2"



7 PLAN DETAIL - EXTERIOR WALL AT COLUMN B-22 - MENS SHOWER H12A
1 1/2" x 1 1/2"

Revisions:	Date:

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3002 10th St, Virginia, VA 23022

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STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Paul* Tom Olson
Date: 02/14/2025
License Number: 38107

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: CONSTRUCT NEW SPS

Location: Sioux Falls, SD

Issue Date: 02/14/2025

Checked: LA

Drawn: GJB

Project Number: 438-460

Building Number: 5

Drawing Number: AE503

20250215 10:04 AM

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3 SECTION DETAIL - WINDOW HEAD @ BRICK (TYP)
1 1/2" x 1 1/2"

2 SECTION DETAIL - FACEBRICK AND METAL STUD AT GRADE
1 1/2" x 1 1/2"

1 SECTION DETAIL - PARAPET AT BRICK WALL WITH METALS STUD BACK UP
1 1/2" x 1 1/2"

6 SECTION DETAIL EXTERIOR - DOOR SILL
1 1/2" x 1 1/2"

5 SECTION DETAIL - WINDOW SILL @ BRICK (TYP)
1 1/2" x 1 1/2"

4 SECTION DETAIL - HM FRAME HEAD @ METAL STUD & FACE BRICK (DOOR 134)
1 1/2" x 1 1/2"

9 SECTION DETAIL - HM FRAME HEAD @METAL STUD & FACE BRICK (DOOR C52A)
1 1/2" x 1 1/2"

8 SECTION DETAIL - FACEBRICK AND METAL STUD AT HEATED SIDEWALK
1 1/2" x 1 1/2"

7 SECTION DETAIL - GRADE BEAM / PILE CAP AND FOUNDATION WALL WATERPROOFING (TYP)
1 1/2" x 1 1/2"

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Revisions:	Date:

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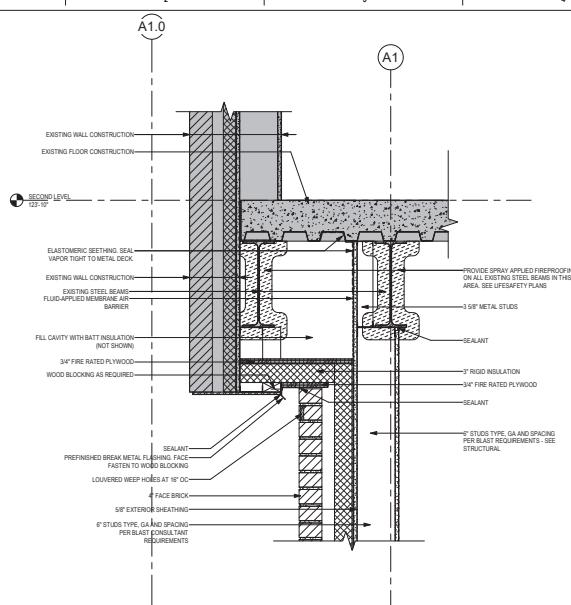
Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

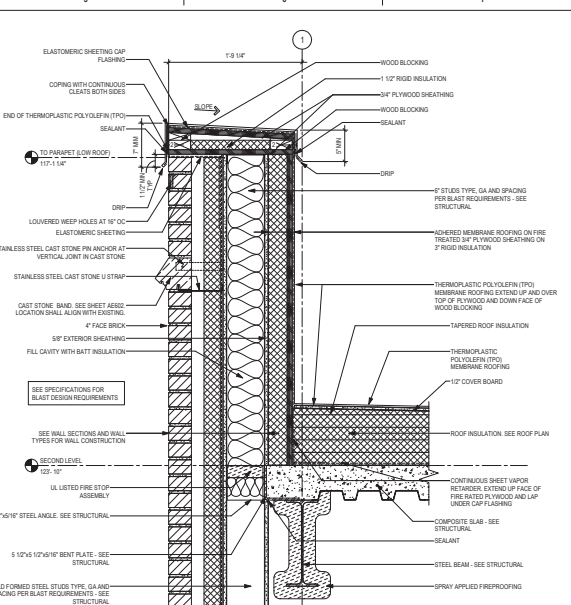
Drawing Title
EXTERIOR SECTION DETAILS

Approved: _____

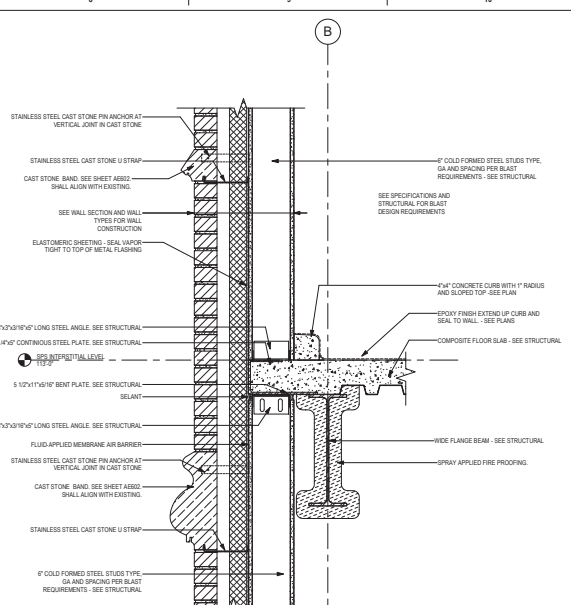
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FULLY SPRINKLERED	Location Sioux Falls, SD	Drawing Number 5
Issue Date 02/14/2025	Checked LA	Drawn GJB
		AE520



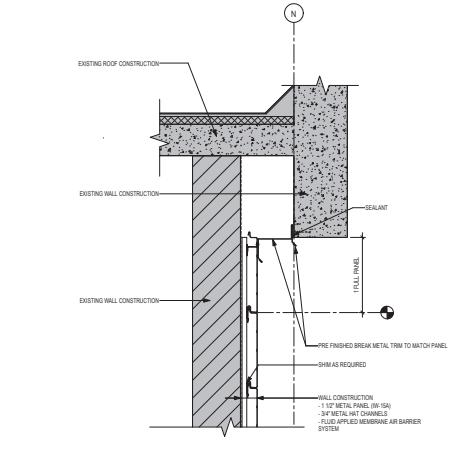
3 SECTION DETAIL - SOFFIT AT EXISTING ADDITION
1 1/2" x 1'-0"



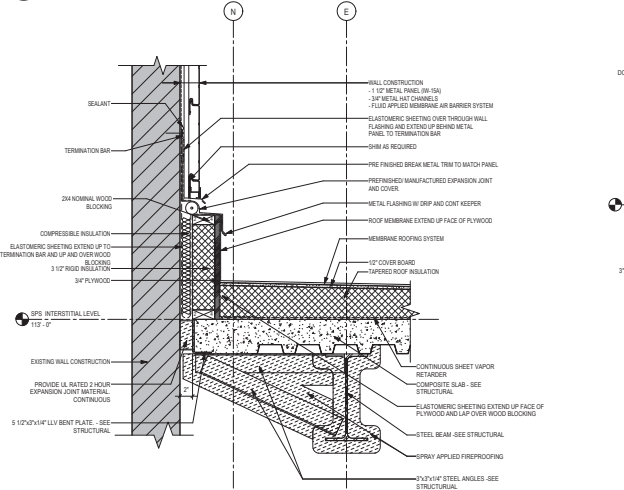
2 SECTION DETAIL - PARAPET AT BRICK WALL WITH METALS STUD - LOW ROOF
1 1/2" x 1'-0"



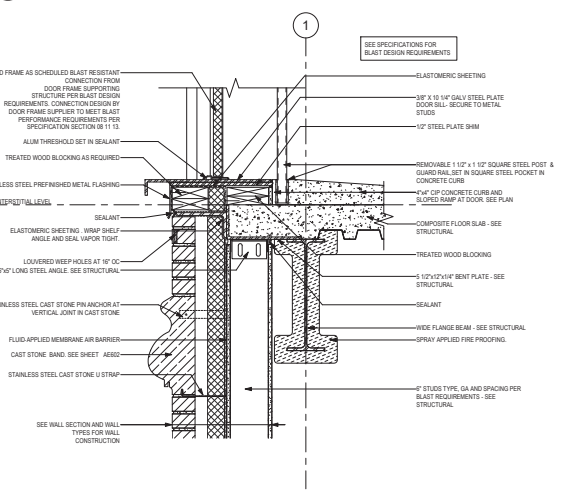
1 SECTION DETAIL - STONE BAND & SLAB EDGE
1 1/2" x 1'-0"



5 SECTION DETAIL - METAL PANEL AT PARAPET
1 1/2" x 1'-0"



6 SECTION DETAIL - METAL PANEL BASE @ LOW ROOF GRID N
1 1/2" x 1'-0"



4 SECTION DETAIL - INTERSTITIAL DOOR SILL AND STONE BAND
1 1/2" x 1'-0"

Revisions:	Date:

CONSULTANT
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3002 10th St, Virginia, VA 23222

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VA U.S. Department of Veterans Affairs

Drawing Title
EXTERIOR SECTION DETAILS

Phase
BID DOCUMENTS

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD

Issue Date
02/14/2025

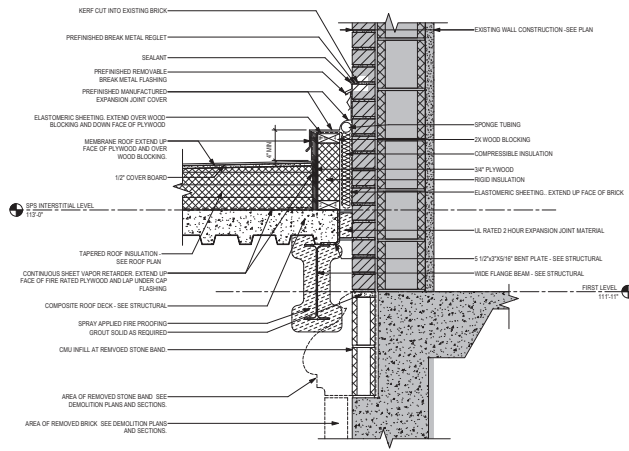
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Drawn
GJB

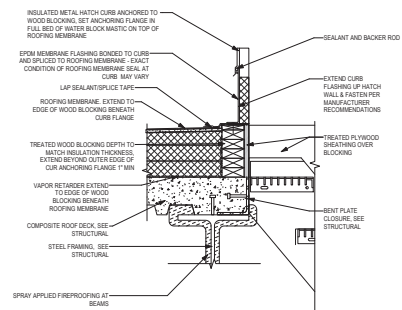
Project Number
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Building Number
5

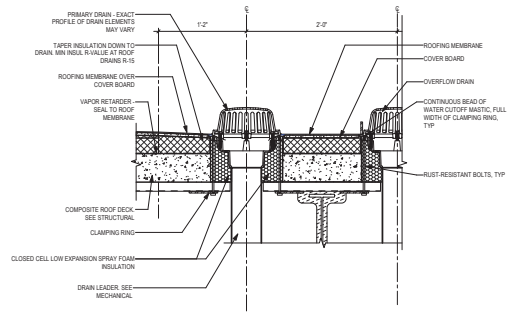
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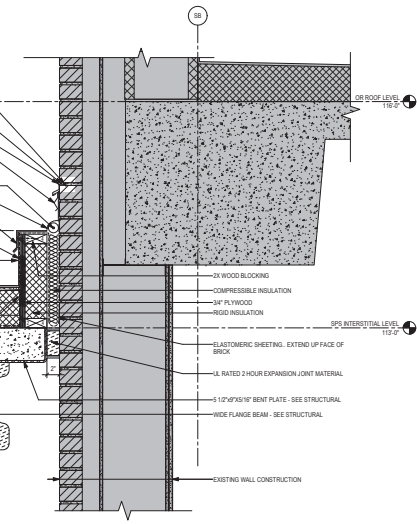
3 ROOF DETAIL - MEMBRANE ROOF @ EXISTING BRICK
1/2" = 1'-0"



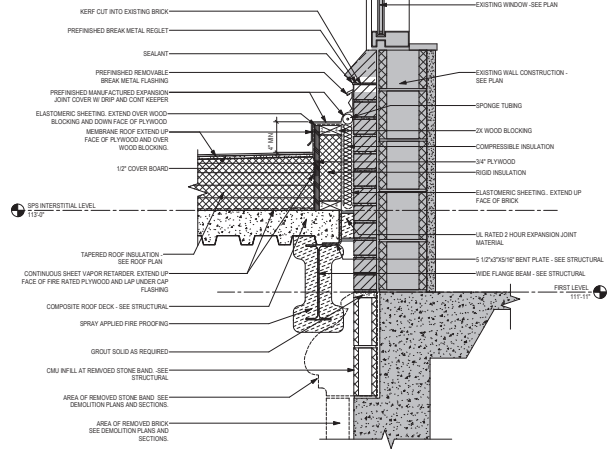
2 ROOF DETAIL - ROOF HATCH CURB
1/2" = 1'-0"



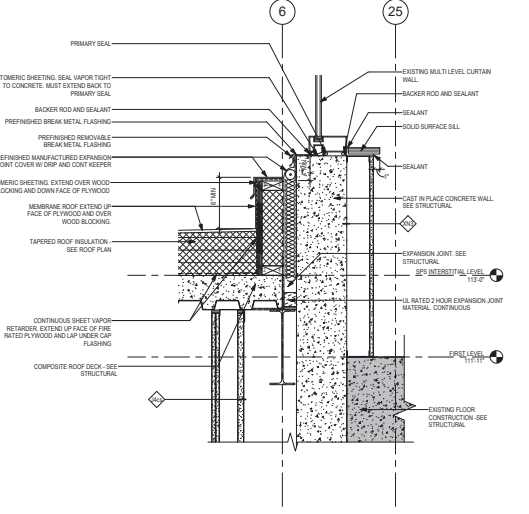
1 SECTION DETAIL - ROOF DRAINS
1/2" = 1'-0"



6 ROOF DETAIL - MEMBRANE ROOF @ OPERATING ROOM SUITE
1/2" = 1'-0"



5 ROOF DETAIL - MEMBRANE ROOF @ FIRST LEVEL WINDOW
1/2" = 1'-0"



4 ROOF DETAIL - ROOF ANT MODIFIED CURTAIN WALL
1/2" = 1'-0"

Revisions:	Date:

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3802 16th St, Virginia, VA 23222

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Anderson Engineering Co. Minneapolis, MN, U.S.A. PWS 16064

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *John* Title: *Architect*

Date: 02/14/2025 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ROOF DETAILS

Approved: _____

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

Location: Sioux Falls, SD

Issue Date: 02/14/2025

Checked: LA

Drawn: GJB

Project Number: 438-460

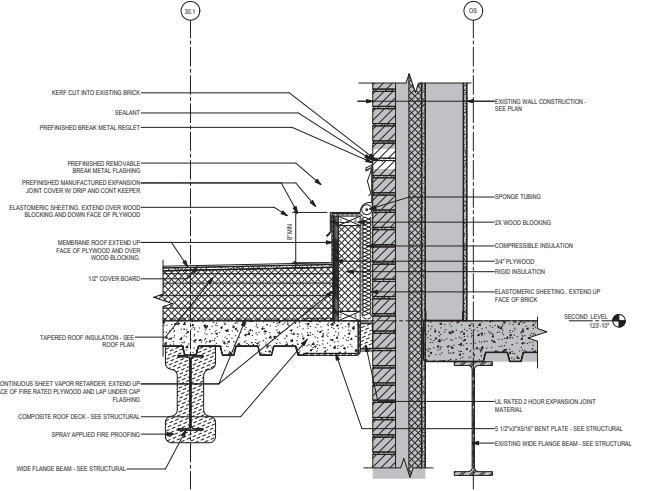
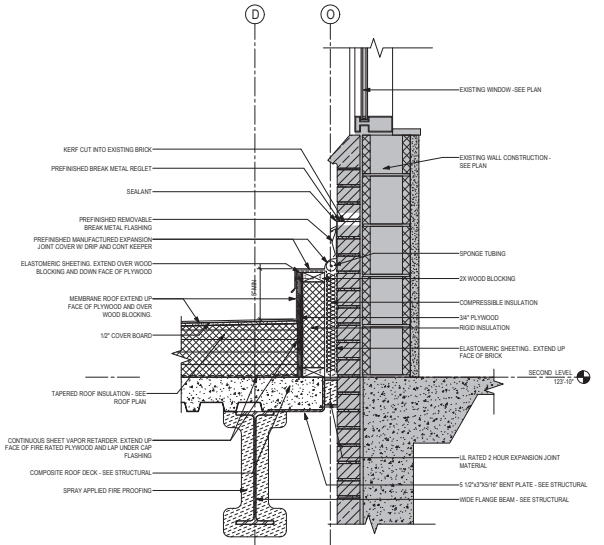
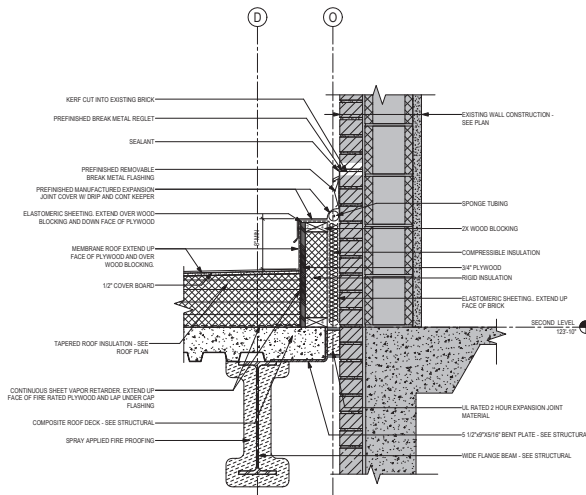
Building Number: 5

Drawing Number: AE530

2 ROOF DETAIL - MEMBRANE ROOF @ EXISTING SECOND LEVEL
1/2" = 1'-0"

1 ROOF DETAIL - MEMBRANE ROOF @ EXISTING SECOND LEVEL WINDOW
1/2" = 1'-0"

3 ROOF DETAIL - MEMBRANE ROOF @ INPATIENT ADDITION - GRID OS
1/2" = 1'-0"



Revisions:	Date:

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 2002 10th St, Upperville, VA 22079

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 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
 Name: *Tom O'Connell*
 Title: *Architect*
 Date: 02/14/2025
 License Number: 18157

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

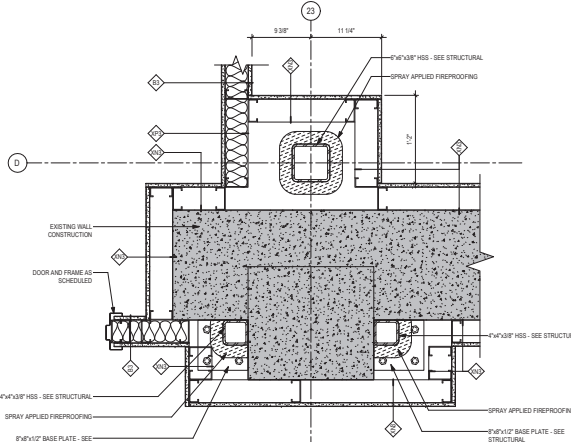
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 Approved: _____

Phase: **BID DOCUMENTS**
FULLY SPRINKLERED

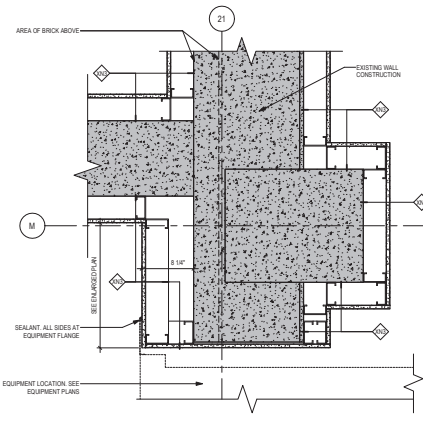
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 Location: **Sioux Falls, SD**
 Issue Date: 02/14/2025
 Checked: LA
 Drawn: GJB

Project Number: **438-460**
 Building Number: **5**
 Drawing Number: **AE531**

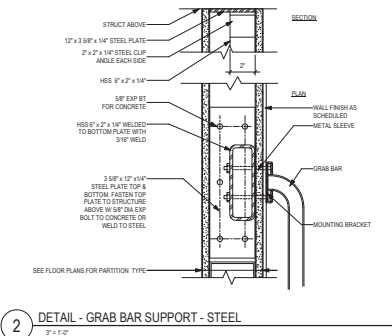
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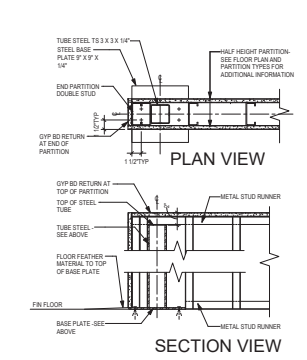
4 PLAN DETAIL - PARTITION @ COLUMN D-23
1'-0" = 1'-0"



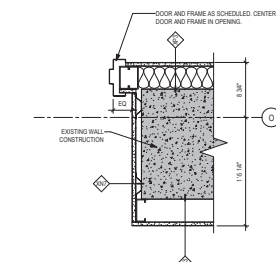
3 PLAN DETAIL - PARTITION OPENING AT STEAM STERILIZER
1'-0" = 1'-0"



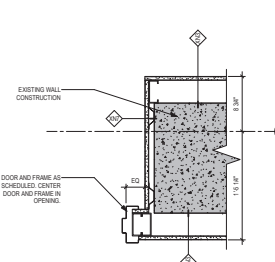
2 DETAIL - GRAB BAR SUPPORT - STEEL
3" = 1'-0"



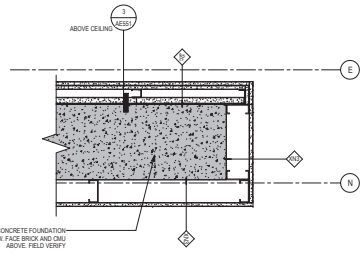
1 INTERIOR DETAIL - PARTIAL HEIGHT PARTITION-STEEL SUPPORT
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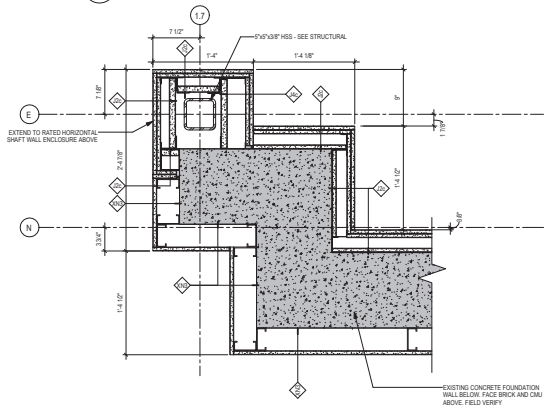
8 PLAN DETAIL - PARTITION AND DOOR JAMB AT DOOR H20AA
1'-0" = 1'-0"



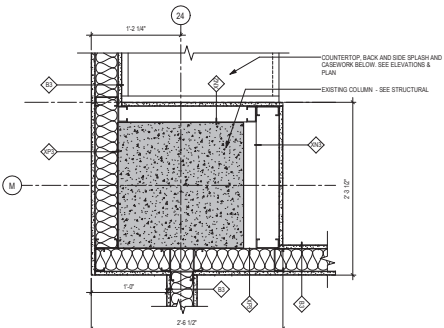
7 PLAN DETAIL - PARTITION AND DOOR JAMB AT DOOR H26B
1'-0" = 1'-0"



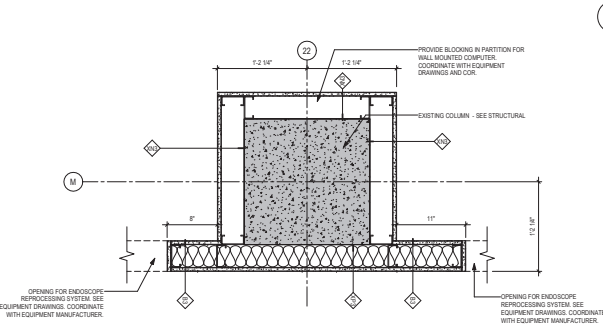
6 PLAN DETAIL - PARTITION AT OPENING IN STAIR TOWER FOUNDATION - SOUTH
1'-0" = 1'-0"



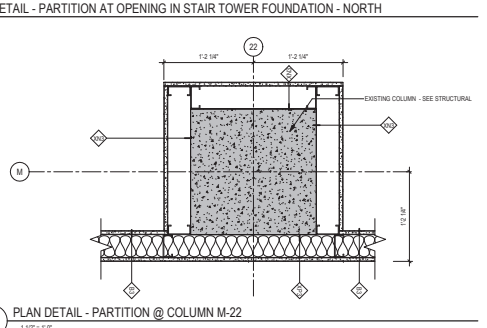
5 PLAN DETAIL - PARTITION AT OPENING IN STAIR TOWER FOUNDATION - NORTH
1'-0" = 1'-0"



11 PLAN DETAIL - PARTITION @ COLUMN M-24
1'-0" = 1'-0"



10 PLAN DETAIL - PARTITION @ COLUMN M-23
1'-0" = 1'-0"



9 PLAN DETAIL - PARTITION @ COLUMN M-22
1'-0" = 1'-0"

Revisions:	Date:

CONSULTANT

2002 10th St, Virginia, VA 20132

ARCHITECT/ENGINEER OF RECORD

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Anderson Engineering of Minnesota, LLC | PWS 16064

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Tom Oles*
Title: *Architect*
Date: 02/14/2025
License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR PLAN DETAILS

Approved: _____

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

Project Number: 438-460

Building Number: 5

Drawing Number: AE540

Location: Sioux Falls, SD

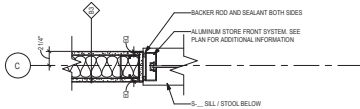
Issue Date: 02/14/2025

Checked: LA

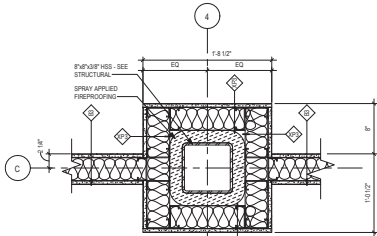
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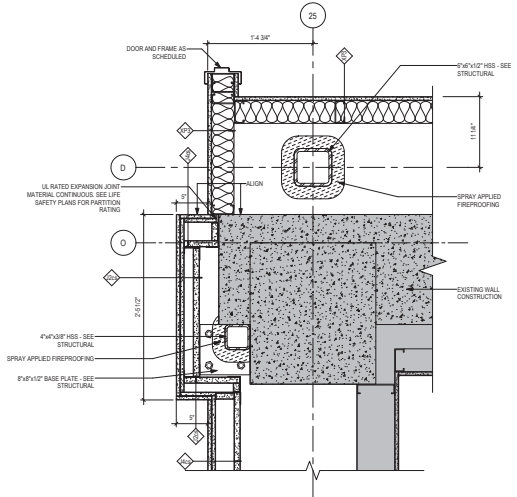
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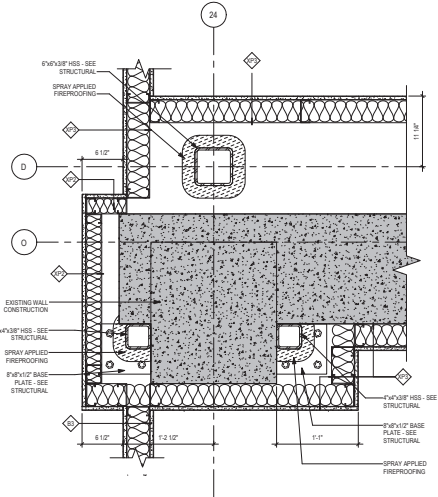
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1/12" = 1'-0"



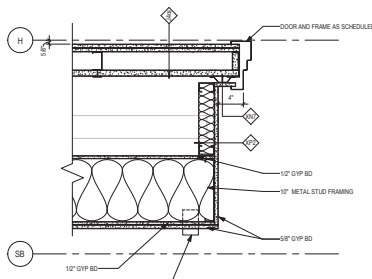
3 PLAN DETAIL - PARTITION @ COLUMN C-4 (TYP)
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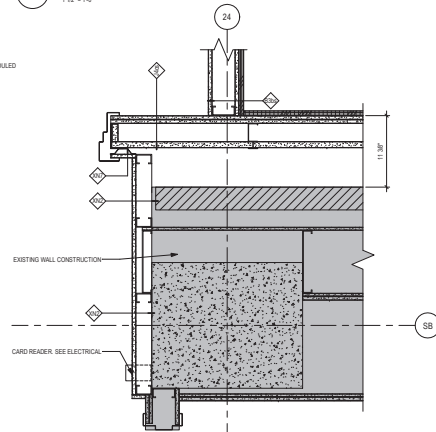
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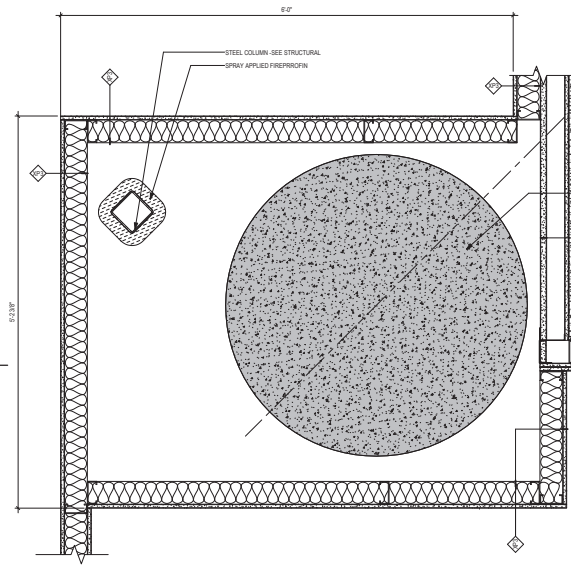
1 PLAN DETAIL - PARTITION @ COLUMN O-24
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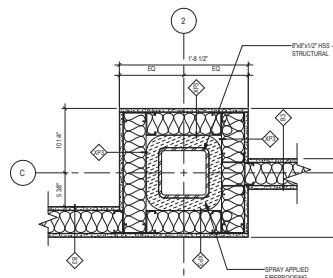
8 PLAN DETAIL - PARTITION / DOOR JAMB @ OR SUITE WITH WINDOW INFILL
1/12" = 1'-0"



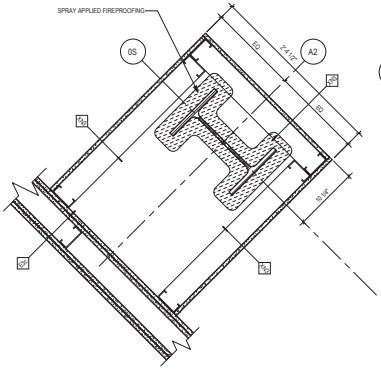
7 PLAN DETAIL - PARTITION / DOOR JAMB @ OPENING TO OR SUITE
1/12" = 1'-0"



6 PLAN DETAIL - PARTITION @ EXISTING CONCRETE PIER
1/12" = 1'-0"

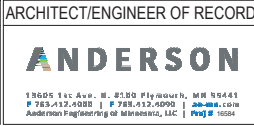


5 PLAN DETAIL - PARTITION @ COLUMN C-2
1/12" = 1'-0"



9 PLAN DETAIL - PARTITION @ COLUMN A2-O5
1/12" = 1'-0"

Revisions:	Date:



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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
Name: *Tom Oles*
Date: 02/14/2025
License Number: 18157

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

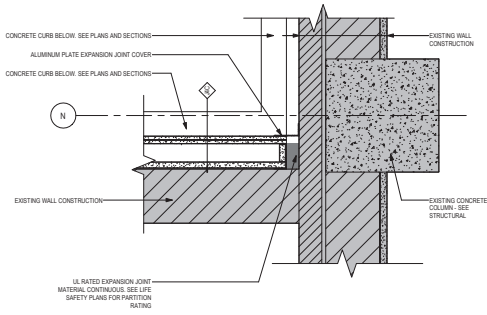
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Approved: _____

Phase: BID DOCUMENTS
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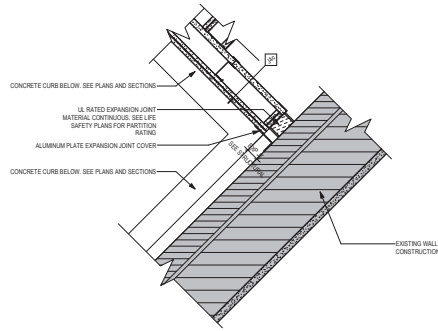
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Location: Sioux Falls, SD
Issue Date: 02/14/2025

Project Number: 438-460
Building Number: 5
Drawing Number: AE541

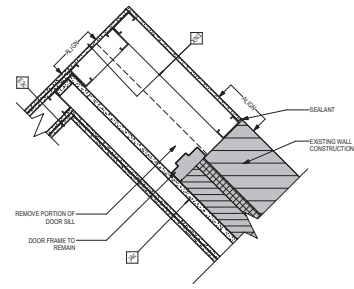
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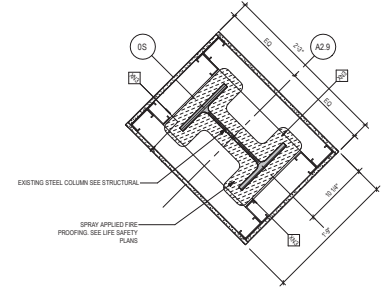
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1/12" = 1'-0"



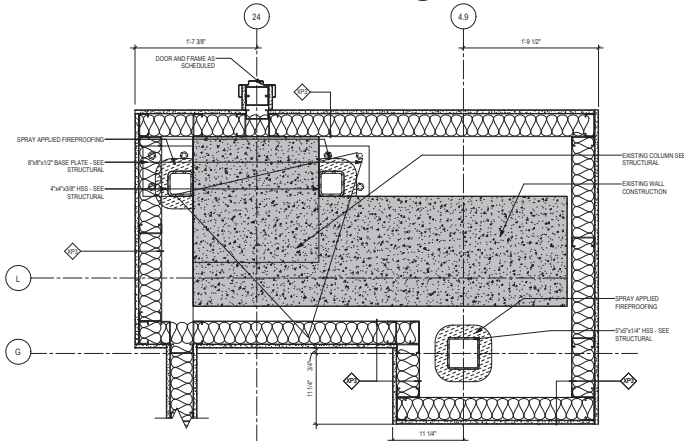
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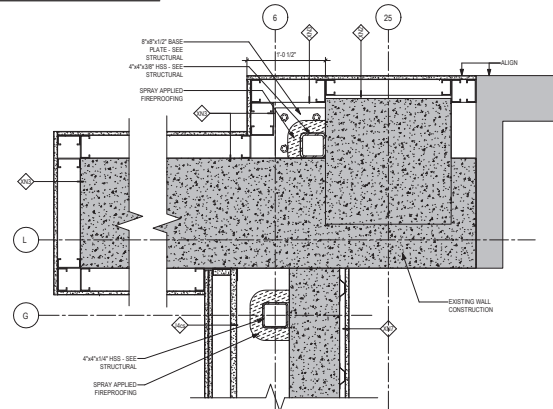
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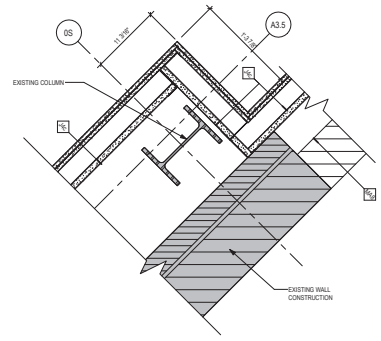
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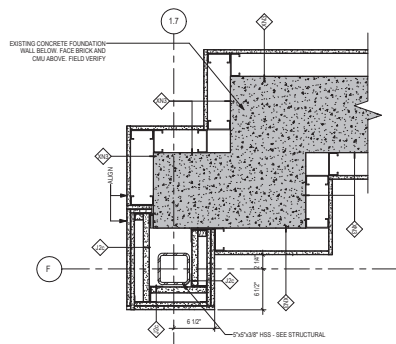
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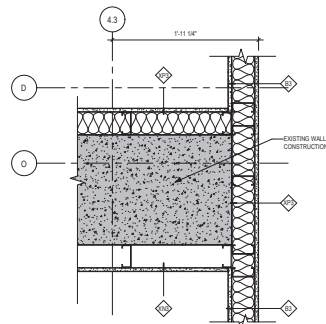
6 PLAN DETAIL - PARTITION @ COLUMN L-25
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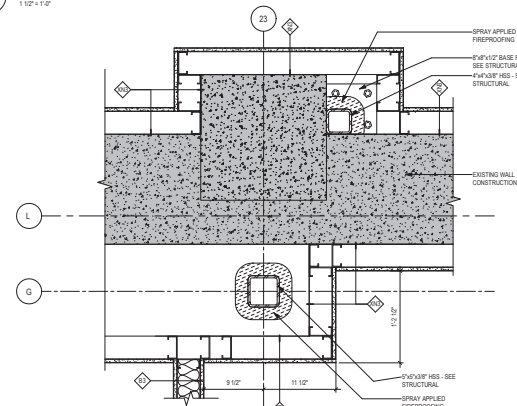
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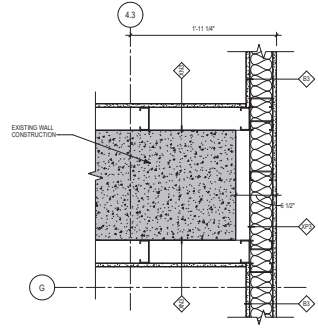
12 PLAN DETAIL - PARTITION @ COLUMN F-1-7
1/12" = 1'-0"



11 PLAN DETAIL - PARTITION @ COLUMN D-4-3
1/12" = 1'-0"



10 PLAN DETAIL - PARTITION @ COLUMN G-2-3
1/12" = 1'-0"

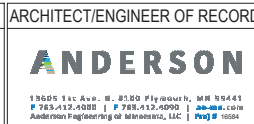


9 PLAN DETAIL - PARTITION @ COLUMN G-4-3
1/12" = 1'-0"

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Revisions:	Date:



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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
Name: *Tom O'Neil*
Title: *Tom O'Neil*
Date: 02/14/2025
License Number: 18107

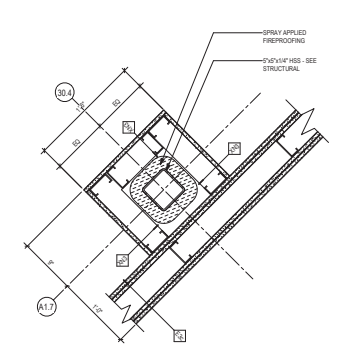
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title: INTERIOR PLAN DETAILS
Approved: _____

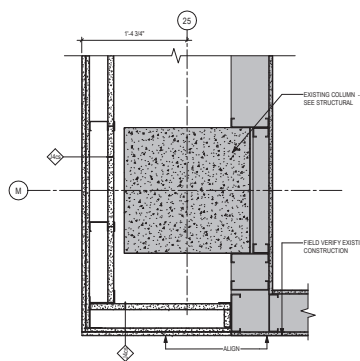
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Project Title: CONSTRUCT NEW SPS
Location: Sioux Falls, SD
Issue Date: 02/14/2025
Checked: LA
Drawn: GJB

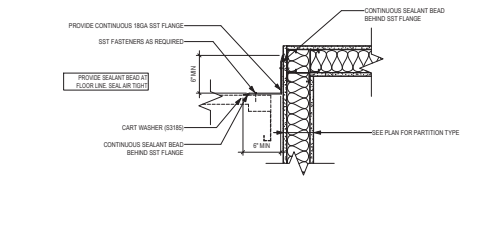
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Building Number: 5
Drawing Number: AE542



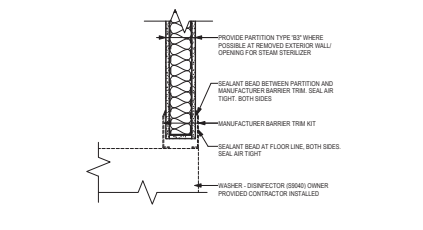
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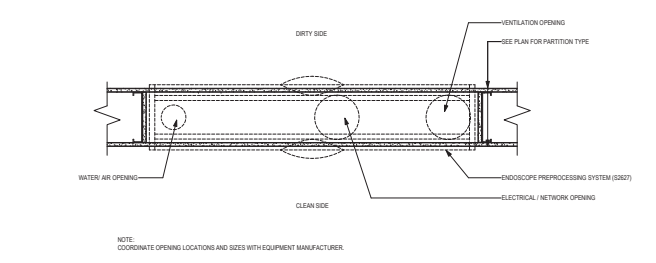
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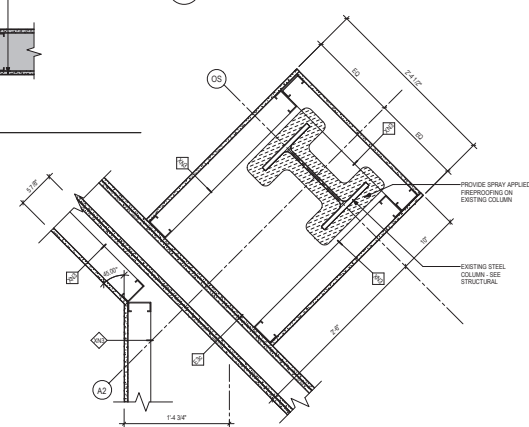
2 PLAN DETAIL - SST BARRIER FLANGE @ CART WASH
1/12" = 1'-0"



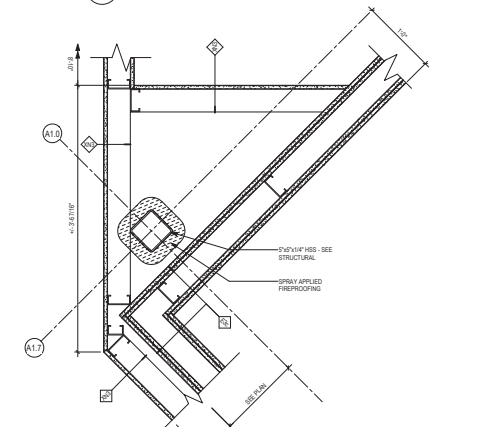
1 PLAN DETAIL - SST BARRIER FLANGE @ WASHER - DISINFECTOR
1/12" = 1'-0"



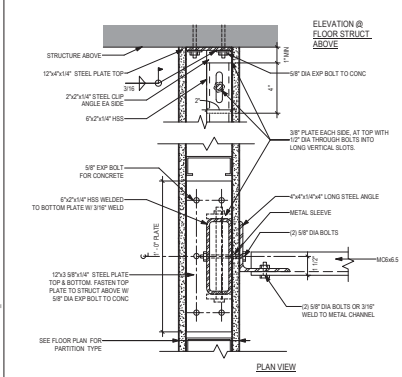
7 PLAN DETAIL - UNDERSIDE OF OPENING AT PREPROCESSOR FOR UTILITIES
1/12" = 1'-0"



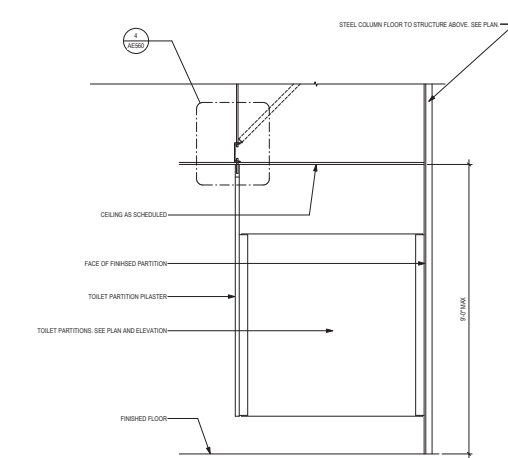
6 PLAN DETAIL - PARTITION @ COLUMN A2-OS
1/12" = 1'-0"



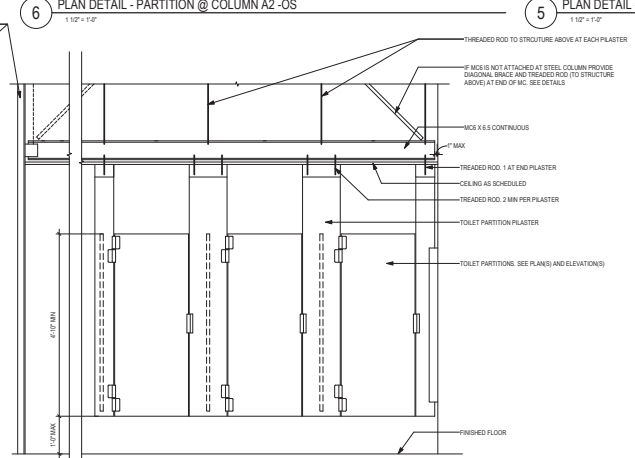
5 PLAN DETAIL - PARTITION @ COLUMN A1.7 - A1.0
1/12" = 1'-0"



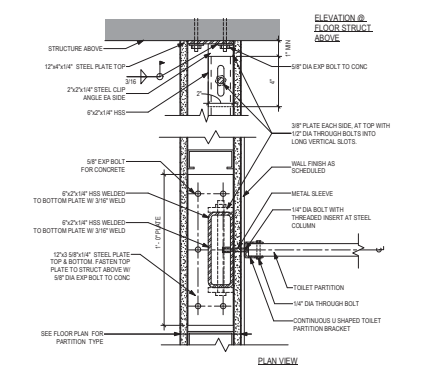
10 PLAN DETAIL - TOILET PARTITION METAL CHANNEL SUPPORT
3/4" = 1'-0"



9 TOILET PARTITIONS REFERENCE DIAGRAM
3/4" = 1'-0"



8 PLAN DETAIL - TOILET PARTITION SUPPORT
3/4" = 1'-0"



8 PLAN DETAIL - TOILET PARTITION SUPPORT
3/4" = 1'-0"


Revisions:	Date:

CONSULTANT



2002 10th St, St. Louis, MO 63102

ARCHITECT/ENGINEER OF RECORD



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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *John* Title: *Architect*

Date: 02/14/2025 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR PLAN DETAILS

Approved: _____

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

Location: Sioux Falls, SD

Issue Date: 02/14/2025

Checked: LA

Drawn: GJB

Project Number: 438-460

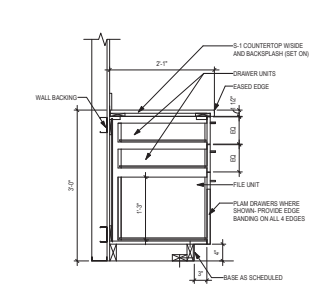
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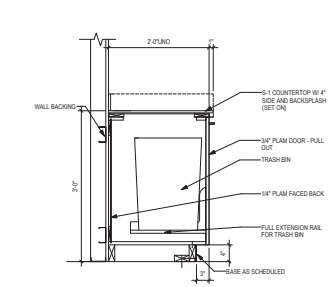
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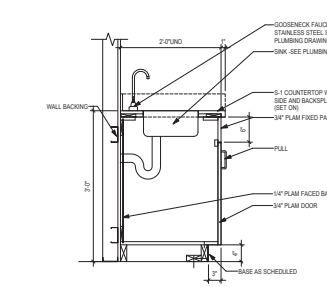
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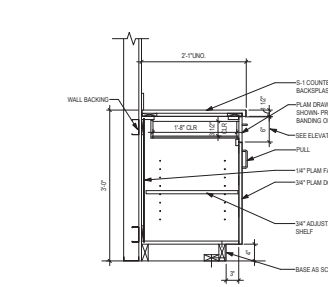
5 SECTION - BASE CABINET 3 DRAWER W/ 2 EQ
7'-1 1/2"



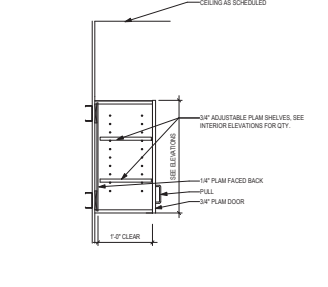
4 SECTION - BASE CABINET TRASH
7'-1 1/2"



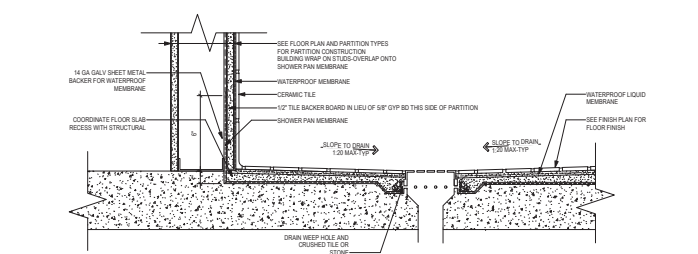
3 SECTION - BASE CABINET WITH SINK
7'-1 1/2"



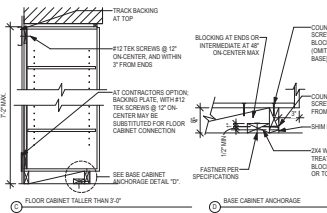
2 SECTION - BASE CABINET DRAWER & DOOR
7'-1 1/2"



1 SECTION - WALL CABINET WITH DOOR
7'-1 1/2"



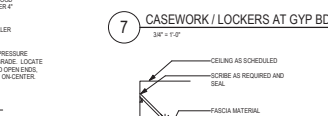
10 SECTION DETAIL INTERIOR - WATERPROOFING AT TOILET ROOM FLOOR
3'-1 1/2"



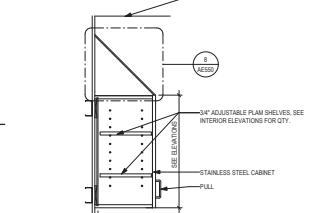
9 CASEWORK ANCHORAGE
3'-1 1/2"



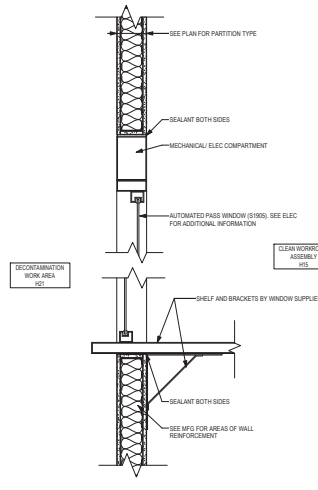
7 CASEWORK / LOCKERS AT GYP BD SOFFIT
3'-1 1/2"



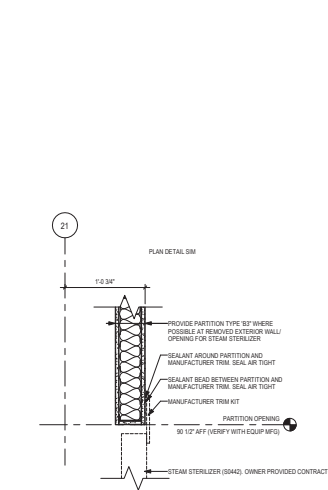
8 CASEWORK UPPER WITH SLOPED TOP
3'-1 1/2"



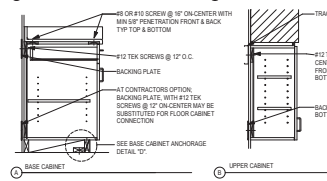
6 SECTION - STAINLESS STEEL WALL CABINET WITH DOOR
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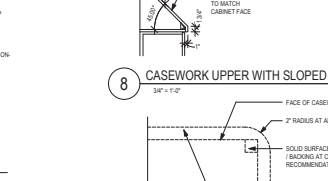
15 SECTION DETAIL - AUTOMATED PASS WINDOW
1'-0"



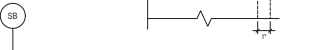
14 SECTION DETAIL - OPENING AT STEAM STERILIZER (TYP)
1'-0"



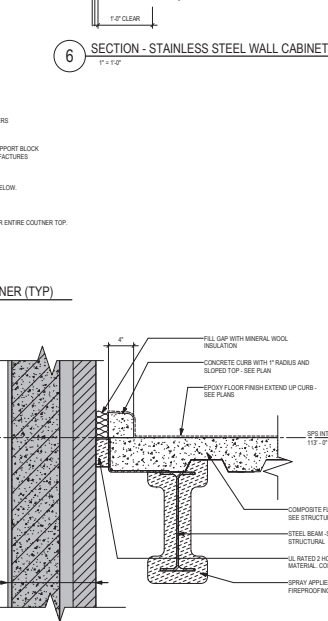
9 CASEWORK ANCHORAGE
3'-1 1/2"



8 CASEWORK UPPER WITH SLOPED TOP
3'-1 1/2"



12 PLAN DETAIL - COUNTERTOP OUTSIDE CORNER (TYP)
3'-1 1/2"



11 SECTION DETAIL - EXPANSION JOINT AT MECH ROOM (TYP)
1'-0"

Revisions:	Date:

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Name: *Tom Olson*
Title: *Tom Olson*
Date: 02/14/2025
License Number: 18157

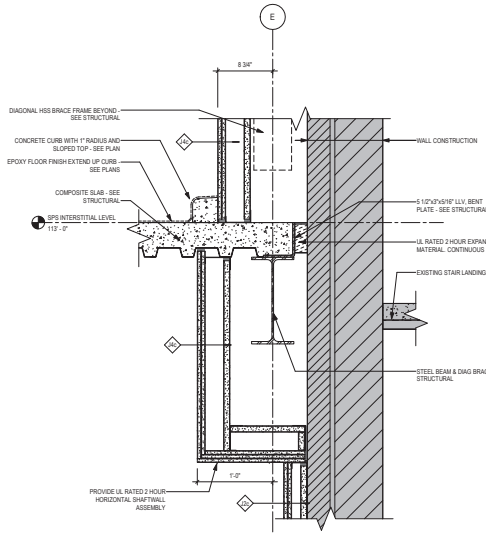
Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

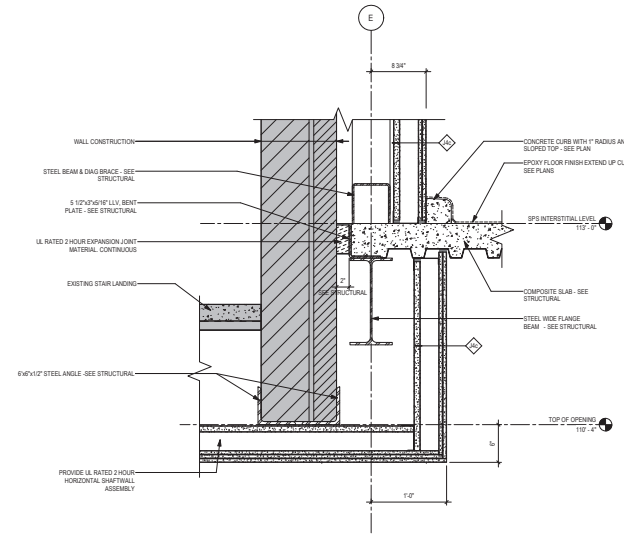
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Phase: BID DOCUMENTS	Project Title: CONSTRUCT NEW SPS	Project Number: 438-460
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Issue Date: 02/14/2025	Checked: LA	Drawn: GJB
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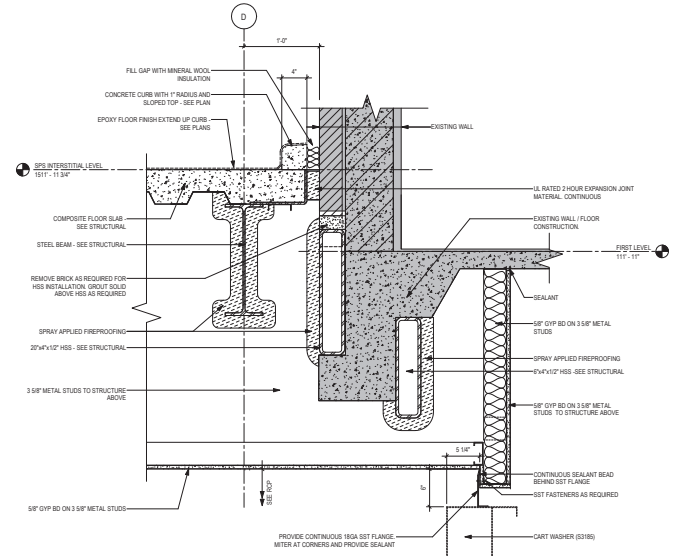
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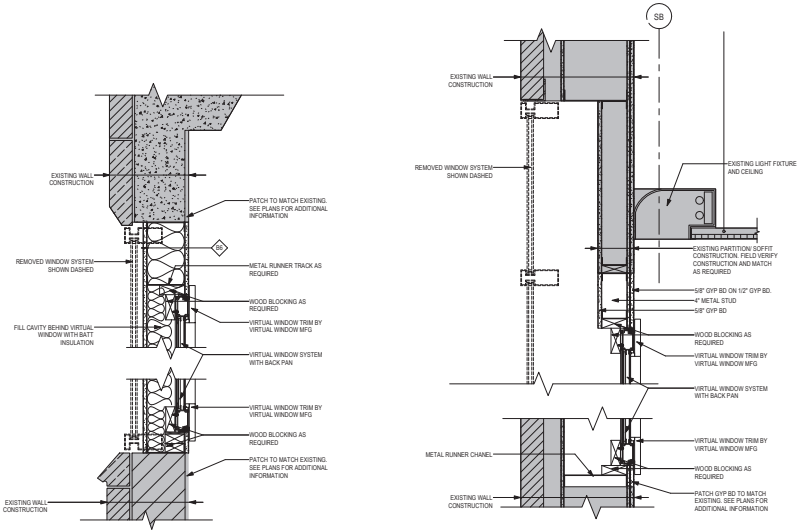
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1 1/2' x 1'-0"



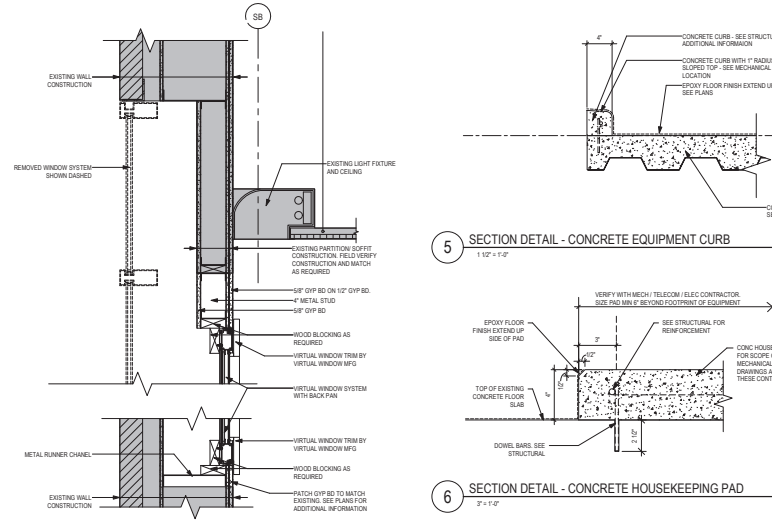
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1 1/2' x 1'-0"



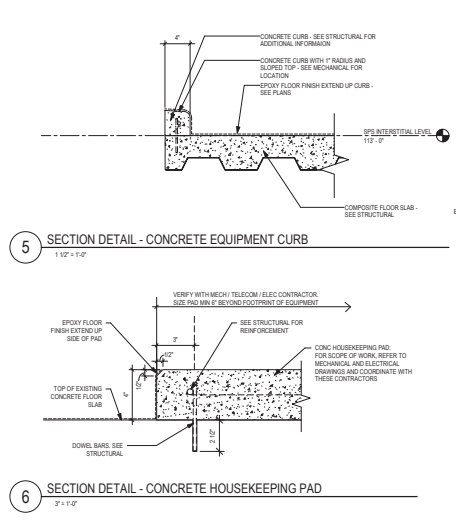
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1 1/2' x 1'-0"



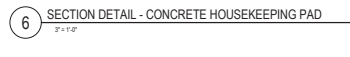
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1 1/2' x 1'-0"



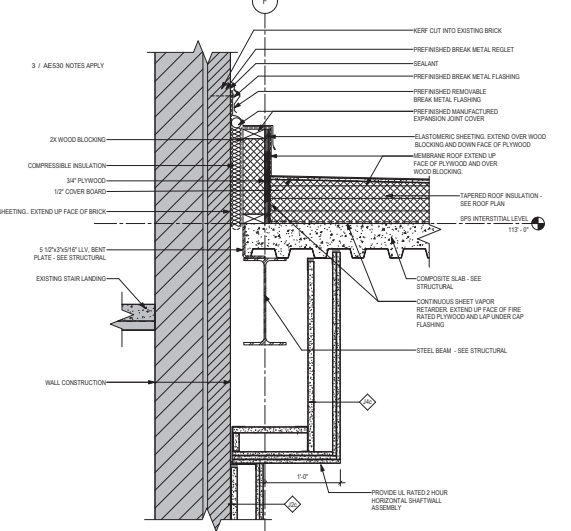
7 SECTION DETAIL - HEAD/SILL AT VIRTUAL WINDOW - SURGERY / OR CORRIDOR C43
1 1/2' x 1'-0"



5 SECTION DETAIL - CONCRETE EQUIPMENT CURB
1 1/2' x 1'-0"



6 SECTION DETAIL - CONCRETE HOUSEKEEPING PAD
3' x 1'-0"



4 SECTION DETAIL - RATED SOFFIT AT STEEL BEAM & ROOF EXPANSION JOINT
1 1/2' x 1'-0"

Revisions:	Date:

CONSULTANT

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3802 10th St, Virginia, VA 23222

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Name: *John* Tom O'Neil
 Date: 02/14/2025
 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

INTERIOR SECTION DETAILS

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Project Number
438-460

Building Number
5

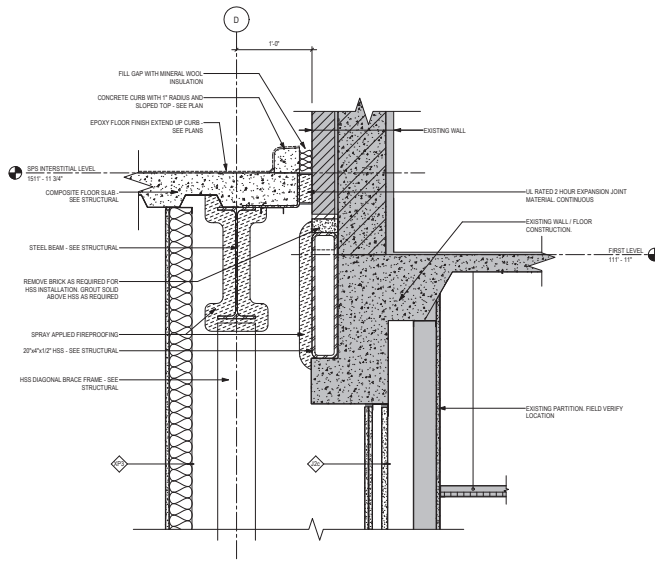
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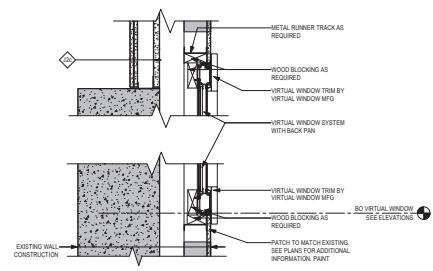
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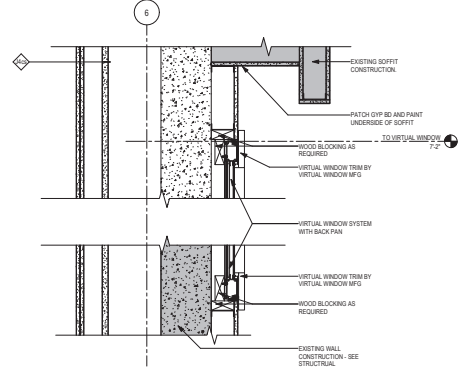
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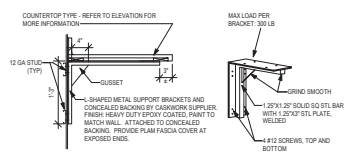
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1/12" = 1'-0"



2 SECTION DETAIL - HEAD /SILL AT VIRTUAL WINDOW -DR WORK ROOM D18
1/12" = 1'-0"



1 SECTION DETAIL - HEAD /SILL AT VIRTUAL WINDOW -ELEVATOR LOBBY G79-5
1/12" = 1'-0"



4 COUNTERTOP SUPPORT BRACKETS
1/12" = 1'-0"

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Revisions:	Date:

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Anderson Engineering of Minnesota, LLC | www.a-e.com | 10004

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Name: *John* Tom Olson
Date: 02/14/2025
License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR SECTION DETAILS

Approved:

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

Location: Sioux Falls, SD

Issue Date: 02/14/2025

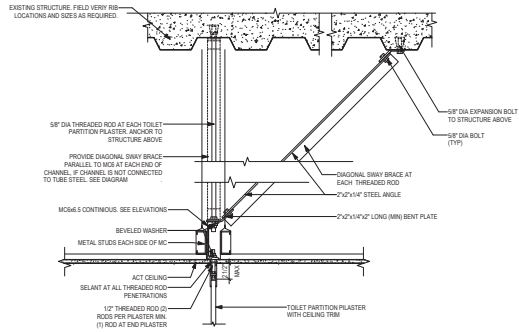
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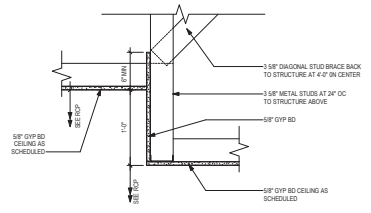
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Building Number: 5

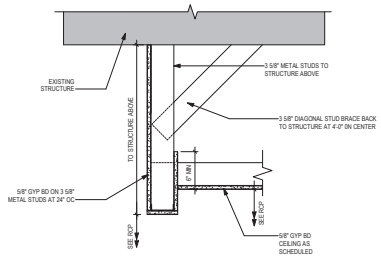
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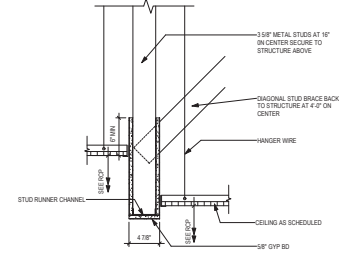
4 SECTION DETAIL - CEILING MOUNTED TOILET PARTITIONS
1 1/2" x 1'-0"



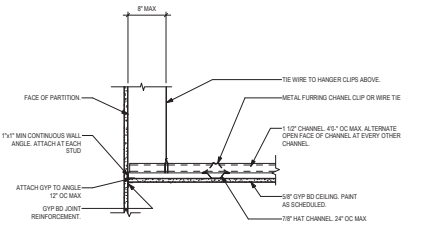
3 SECTION DETAIL - GYP BD TO GYP BD CEILING TRANSITION
1 1/2" x 1'-0"



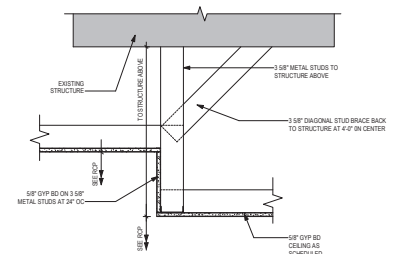
2 SECTION DETAIL - GYP BD RETURN
1 1/2" x 1'-0"



1 SECTION DETAIL - GYP BD BULKHEAD
1 1/2" x 1'-0"



6 SECTION DETAIL - SUSPENDED GYP BD CEILING
1 1/2" x 1'-0"




5 SECTION DETAIL - GYP BD CEILING TO GYP BD CEILING
1 1/2" x 1'-0"

Revisions:	Date:

CONSULTANT

 2002 10th St, Lafayette, LA 70502

ARCHITECT/ENGINEER OF RECORD

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 Anderson Engineering of Minnesota, LLC | PEO # 16084

STAMP
 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
 Name: *John*
 Title: *Architect*
 Date: 02/14/2025
 License Number: 18157

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

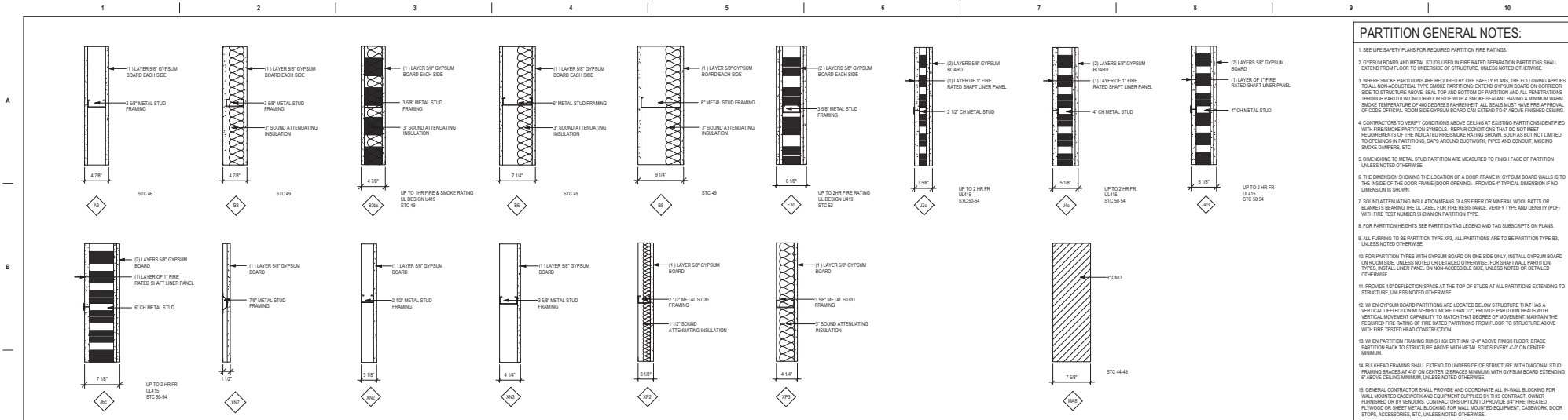
Drawing Title
CEILING DETAILS
 Approved:

Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS
 Location
Sioux Falls, SD
 Issue Date
02/14/2025
 Checked
LA
 Drawn
GJB

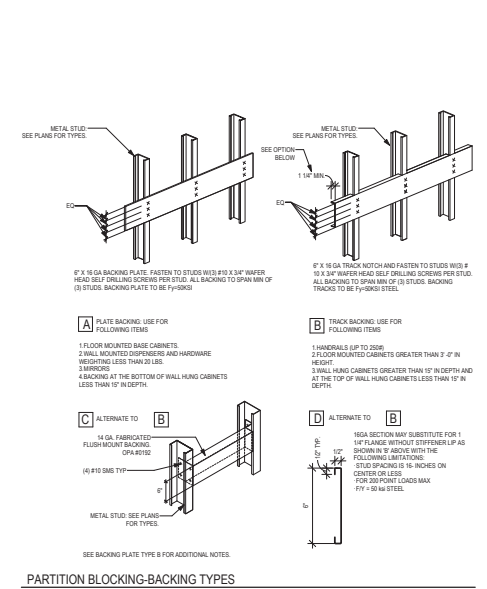
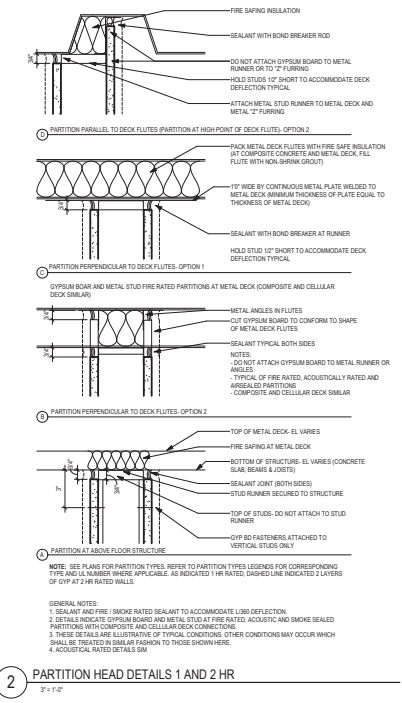
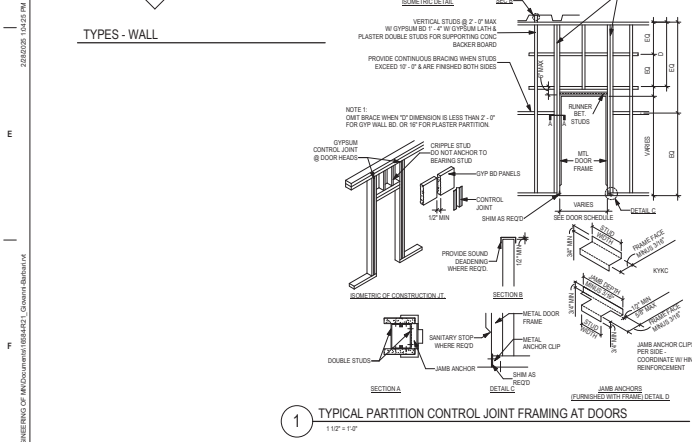
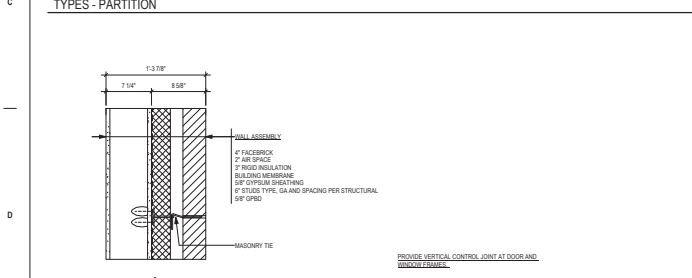
Project Number
438-460
 Building Number
5
 Drawing Number
AE560

VA FORM 08-6231 28 FEBRUARY 2018

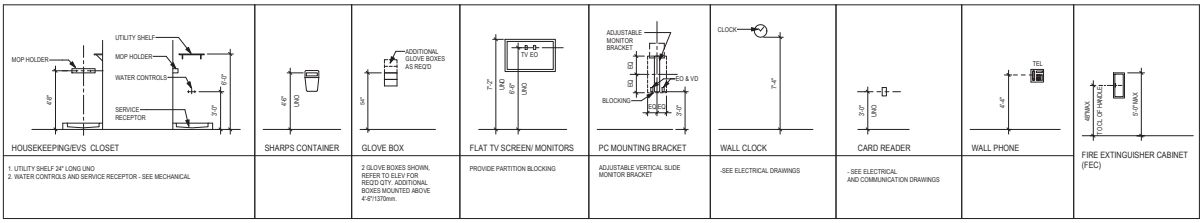
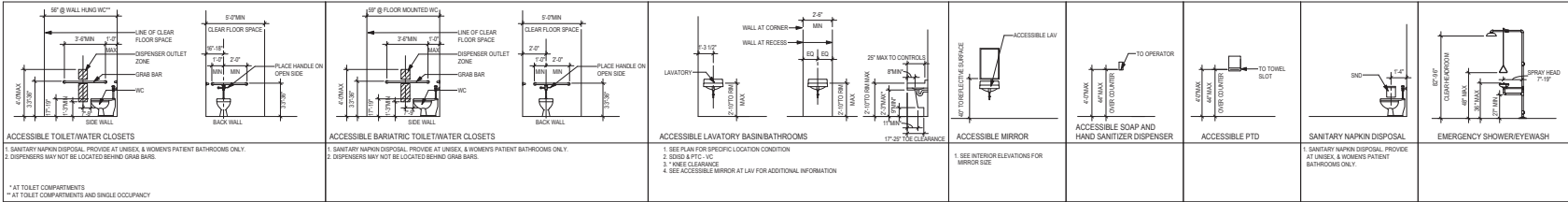


PARTITION GENERAL NOTES:

- SEE LIFE SAFETY PLANS FOR REQUIRED PARTITION FIRE RATINGS.
- OYSPLM BOARD AND METAL STUDS USED IN FIRE RATED SEPARATION PARTITIONS SHALL EXTEND FROM FLOOR TO CEILING UNLESS NOTED OTHERWISE.
- WHERE SMOKE PARTITIONS ARE REQUIRED BY LIFE SAFETY PLANS, THE FOLLOWING APPLIES TO ALL NON-COMBUSTIBLE TYPE SMOKE PARTITIONS EXTENDING OYSPLM BOARD ON CORNER SIDE TO STRUCTURE ABOVE SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION ON CORNER SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE OF 400 DEGREES FAHRENHEIT. ALL SEALS MUST HAVE FIRE APPROVAL OF CODE OFFICIAL. ROOM USE OYSPLM BOARD ON EXTEND 1" ABOVE FINISH CEILING.
- CONTRACTORS TO VERIFY CONDITIONS ABOVE CEILING AT EXISTING PARTITIONS IDENTIFIED WITH THE SMOKE PARTITION TAG LEASED AND TAG SUBSCRIPTS ON PLANS.
- REQUIREMENTS OF THE INDICATED FIRE RATING SHALL BE MET, BUT NOT LIMITED TO CORNER JOINTS, PARTITION HEADS, GAPS ABOVE DUCTWORK, PIPES AND CONDUIT, MISSING SMOKE DAMPERS, ETC.
- DIMENSIONS TO METAL STUD PARTITION ARE MEASURED TO FINISH FACE OF PARTITION UNLESS NOTED OTHERWISE.
- THE DIMENSION SHOWING THE LOCATION OF A DOOR FRAME IN OYSPLM BOARD WALLS IS TO THE INSIDE OF THE DOOR FRAME (DOOR OPEN). PROVIDE 4" MINIMAL CLEARANCE IF NO DIMENSION IS SHOWN.
- 7" SOUND ATTENUATING INSULATION MEANS CLASS PERIOR OR METAL WOOL Batts OR BLANKETS BEARING THE UL LABEL FOR FIRE RESISTANCE. VERIFY TYPE AND DENSITY (PC) WITH FIRE TEST NUMBER SHOWN IN PARTITION TYPE.
- FOR PARTITION HEADINGS SEE PARTITION TAG LEASED AND TAG SUBSCRIPTS ON PLANS.
- ALL FLOORING TO BE PARTITION TYPE V&L. ALL PARTITIONS ARE TO BE PARTITION TYPE B, UNLESS NOTED OTHERWISE.
- FOR PARTITION TYPES WITH OYSPLM BOARD ON ONE SIDE ONLY, INSTALL OYSPLM BOARD ON ROOM SIDE. UNLESS NOTED OR DETAILED OTHERWISE, FOR SHUTTLE PARTITION TYPES, INSTALL LINER PANEL ON NON-ACCESSIBLE SIDE, UNLESS NOTED OR DETAILED OTHERWISE.
- PROVIDE 1" DEFLECTION SPACE AT THE TOP OF STUDS AT ALL PARTITIONS EXTENDING TO STRUCTURE, UNLESS NOTED OTHERWISE.
- WHEN OYSPLM BOARD PARTITIONS ARE LOCATED BELOW STRUCTURE THAT HAVE A VERTICAL DEFLECTION MOVEMENT MORE THAN 1/2" PROVIDE PARTITION HEADS WITH VERTICAL MOVEMENT CAPABILITY TO MATCH THAT DEFLECTION MOVEMENT. MINIMUM REQUIRED FIRE RATING OF FIRE RATED PARTITION FROM FLOOR TO STRUCTURE ABOVE WITH THE TESTED-HEAD CONSTRUCTION.
- WHEN PARTITION FRAMING RUNS HORIZONTAL THAN 12" ABOVE FINISH FLOOR, BRIDGE PARTITION BACK TO STRUCTURE ABOVE WITH METAL STUD EVERY 4" ON CENTER MINIMUM.
- BLANKHEAD FRAMING SHALL EXTEND TO END OF STRUCTURE WITH DIAGONAL STUD FRAMING BRACES AT 4" ON CENTER (2 BRACES MINIMUM WITH OYSPLM BOARD EXTENDING 4" ABOVE CEILING MINIMUM UNLESS NOTED OTHERWISE).
- GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE ALL IN-WALL BLOCKING FOR WALL MOUNTED CASEWORK AND EQUIPMENT SUPPLIED BY THE CONTRACT OWNER (WARRANTED OR ON VENDORS). CONTRACTORS OYSPLM BOARD, 3/4" FIRE TREATED PLYWOOD OR SHEET BLOCKING FOR WALL MOUNTED EQUIPMENT, CASEWORK, DOOR STOPS, ACCESSORIES, ETC. UNLESS NOTED OTHERWISE.
- IN WET AREAS SUCH AS BUT NOT LIMITED TO SHOWER, TUB, GLASS WASHING ROOMS, SOLO UTILITY ROOMS, JANITOR CLOSETS, COMMERCIAL FOOD PROCESSING ROOMS, ETC. SEE THE BACKER BOARD BEHIND THE CERAMIC TILE AND EXTEND TO 2" BEYOND ALL SIDES OF THE PLUMBING FITTING. IN DOUBLE LAYER WALLS WHERE THE TILE BACKER BOARD IS INSTALLED OVER A BASE LAYER OF OYSPLM BOARD, APPLY A WATER BARRIER BUILDING WRAP NOT A VAPOUR RETARDER. OVER THE BASE LAYER OF OYSPLM BOARD, IN HIGH MANDUCY AREAS SUCH AS BALCONY, STAIR ROOMS AND TERRACE PLACES, WHERE WALLS ARE EXPOSED TO CONSTANT MOISTURE, USE THE BACKER BOARD BEHIND CERAMIC TILE.
- IN WET AREAS SUCH AS SOLO UTILITY ROOMS, JANITOR CLOSETS, ETC. USE 5/8" WATER RESISTANT OYSPLM BOARD OR 5/8" WATER RESISTANT OYSPLM BOARD.
- FOR ALL REMODELING PROJECTS, ALL PARTITIONS NOTED AT INFILLS WITHIN OR EXTENDING OUTSIDE EXISTING PARTITIONS, ARE NOTED AS SUCH FOR INTENT ONLY. ALL EXPOSED PARTITION FACES ARE TO ALIGN.
- CONTROL JOINTS AT DOOR AND WINDOW OPENINGS MUST EXTEND FROM TOP OF FRAME, FULL HEIGHT OF PARTITION TO INCREASE OF DECK ABOVE.



<p>CONSULTANT</p> <p>IMEG</p> <p>3002 10th St, Virginia, VA 23222</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON</p> <p>18605 3rd Ave. N., #1200 Plymouth, MN 55441 763.432.9080 763.432.5090 anderson@anderson-engineers.com Anderson Engineering, LLC PWS 1606A</p>		<p>STAMP</p> <p>Verify that this plan, specification or report was prepared by me or under my direct supervision and that I am duly licensed and active under the laws of the State of Minnesota.</p> <p>Name: <i>Paul</i> Title: <i>Paul</i> Date: 02/14/2025 License Number: 18107</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>INTERIOR PARTITION & WALL TYPES AND DETAILS</p> <p>Approved: _____</p>	<p>Phase</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>CONSTRUCT NEW SPS</p>	<p>Project Number</p> <p>438-460</p>
<p>Revisions:</p> <p>Date: _____</p>		<p>Location</p> <p>Sioux Falls, SD</p>		<p>Bidding Number</p> <p>5</p>		<p>Drawing Number</p> <p>AE601</p>		<p>Issue Date</p> <p>02/14/2025</p>	
<p>Checked</p> <p>LA</p>		<p>Drawn</p> <p>GJB</p>		<p>Project Number</p> <p>438-460</p>		<p>Bidding Number</p> <p>5</p>		<p>Issue Date</p> <p>02/14/2025</p>	



TYPICAL MOUNTING HEIGHTS

20250525 10:08 AM
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Revisions:	Date:

CONSULTANT

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 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
 Name: *Tom Oles*
 Title: *Architect*
 Date: 02/14/2025
 License Number: 18157

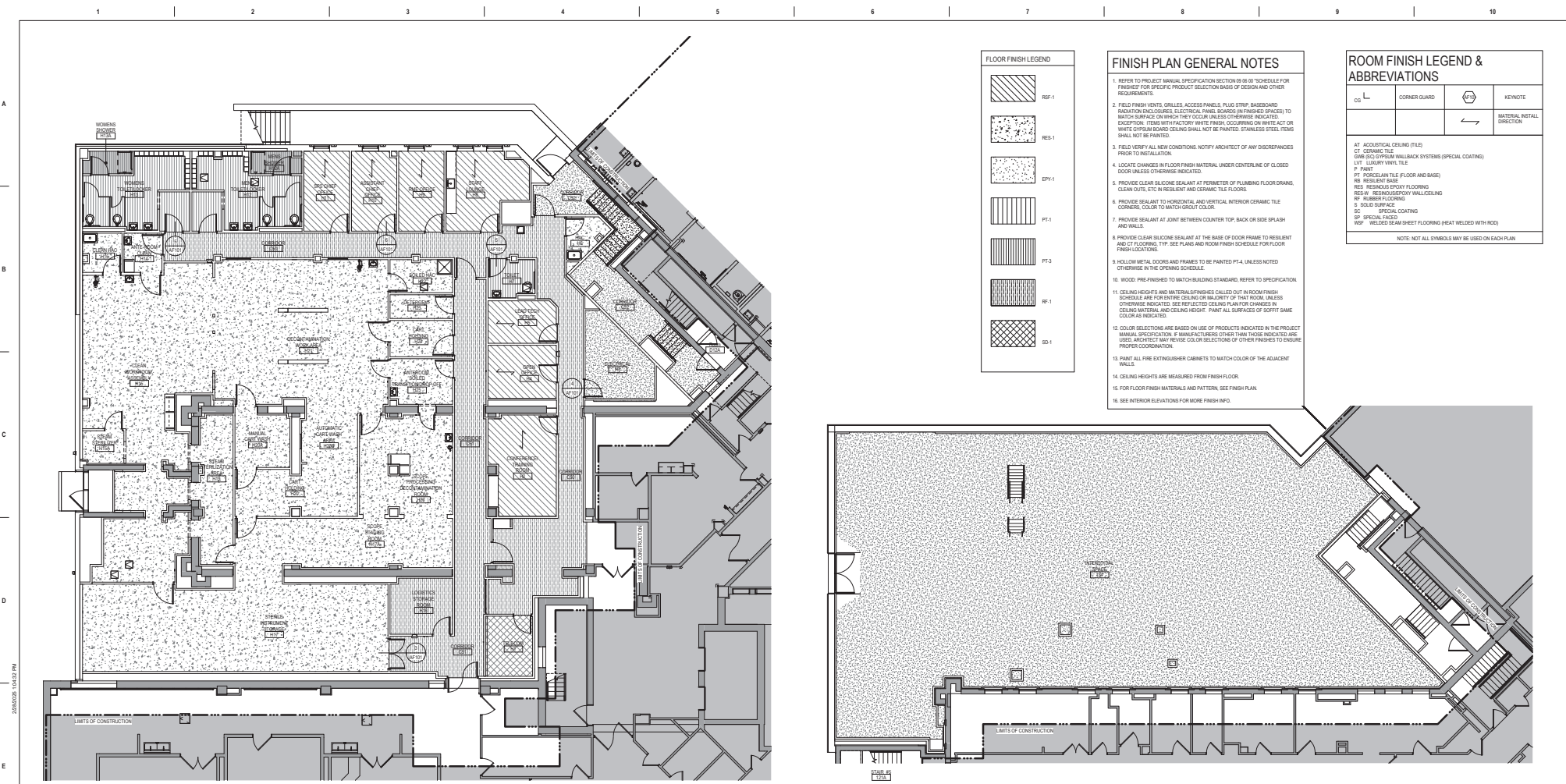
Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title: **MOUNTING HEIGHTS**
 Approved: _____

Phase: **BID DOCUMENTS**
FULLY SPRINKLERED

Project Title: **CONSTRUCT NEW SPS**
 Location: **Sioux Falls, SD**
 Issue Date: 02/14/2025
 Checked: **LA**
 Drawn: **GJB**

Project Number: **438-460**
 Building Number: **5**
 Drawing Number: **AE640**



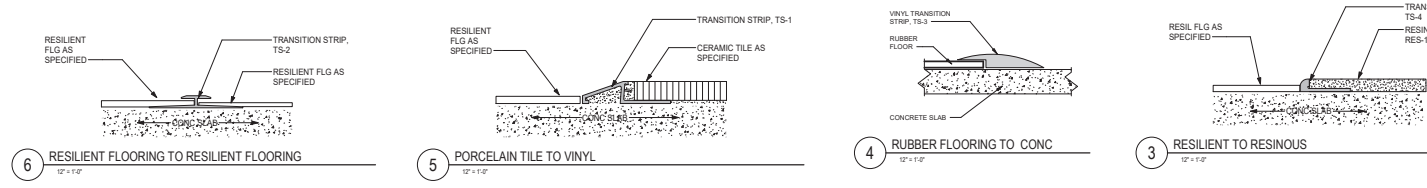
	RF-1
	RES-1
	EPF-1
	PT-1
	PT-3
	RF-1
	RS-1

- ### FINISH PLAN GENERAL NOTES
- REFER TO PROJECT MANUAL SPECIFICATION SECTION 09 90 00 SCHEDULE FOR FINISHERY 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 OR FINISH THE COLOR UNLESS OTHERWISE INDICATED. EXCEPTION: ITEMS WITH FACTORY WHITE FINISH OCCURRING ON WHITE ACT OR WHITE COPPER BOARD CEILING SHALL NOT BE PAINTED. STAINLESS STEEL ITEMS SHALL NOT BE PAINTED.
 - FIELD VERIFY ALL NEW CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO RESTAURATION.
 - 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 PT-4 UNLESS NOTED OTHERWISE IN THE OPENING SCHEDULE.
 - WOOD: PRE FINISHED TO MATCH BUILDING STANDARD, REFER TO SPECIFICATION.
 - CEILING HEIGHTS AND MATERIALS/FINISHES CALLED OUT IN ROOM FINISH SCHEDULE ARE FOR ENTIRE CEILING UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED: 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 MANUAL SPECIFICATION. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REUSE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION.
 - PAINT ALL FIRE EXTINGUISHER CABINETS TO MATCH COLOR OF THE ADJACENT WALLS.
 - CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR.
 - FOR FLOOR FINISH MATERIALS AND PATTERN, SEE FINISH PLAN.
 - SEE INTERIOR ELEVATIONS FOR MORE FINISH INFO.

CG	L	CORNER GUARD		KEYNOTE
				MATERIAL METAL DIRECTION
AT: ADDITIONAL CEILING TILE CT: CERAMIC TILE CW: C/W OFFICIAL WALLBACK SYSTEMS (SPECIAL COATING) LV: LUXURY VINYL TILE P: PAINT PT: PORCELAIN TILE (FLOOR AND BASE) RB: RESILIENT BASE RES: RESINOUS EPOXY FLOORING RESH: RESINOUS EPOXY WALLCEILING RF: RUBBER FLOORING S: SOLID SURFACE SC: SPECIAL COATING SP: SPECIAL PAINT WSP: WELDED SEAM SHEET FLOORING (HEAT WELDED WITH ROD)				
NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN				

2 GROUND LEVEL FINISH PLAN
1/8" = 1'-0"

1 FIRST LEVEL FINISH PLAN
1/8" = 1'-0"



6 RESILIENT FLOORING TO RESILIENT FLOORING
1/2" = 1'-0"

5 PORCELAIN TILE TO VINYL
1/2" = 1'-0"

4 RUBBER FLOORING TO CONC
1/2" = 1'-0"

3 RESILIENT TO RESINOUS
1/2" = 1'-0"

Revisions:	Date:

CONSULTANT

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *John F. ...* Title: *Architect*

Date: 02/14/2025
 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FINISH PLANS

Approved: _____

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS

Location: Sioux Falls, SD

Issue Date: 02/14/2025

Checked: MJP
 Drawn: MRP

Project Number: 438-460

Building Number: 5

Drawing Number: AF101

ROOM FINISH LEGEND & ABBREVIATIONS

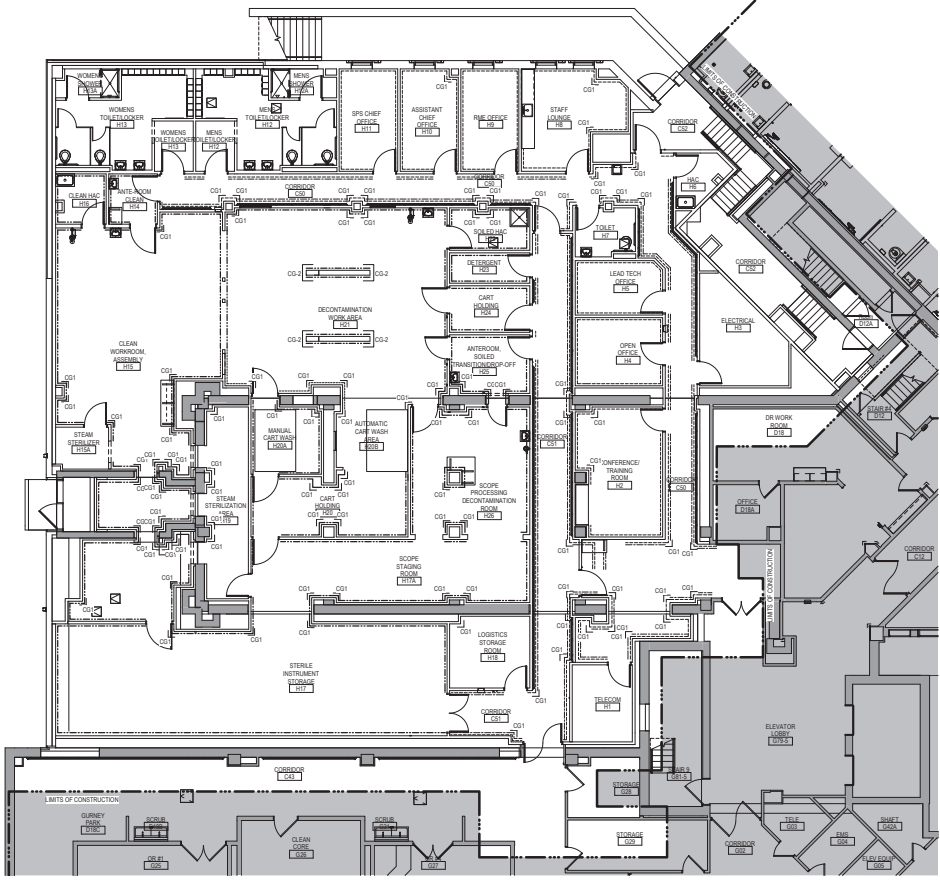
CG	L	CORNER GUARD	(Symbol)	KEYNOTE
			(Symbol)	MATERIAL INSTALL DIRECTION

AT ACQUISITION CEILING (TILE)
 CT CERAMIC TILE
 DWS (IC) TOPPER WALLBACK SYSTEMS (SPECIAL COATING)
 LVT LUXURY VINYL TILE
 P PAINT
 PT PORCELAIN TILE (FLOOR AND BASE)
 RB REINFORCING BASE
 REB REINFORCING EPOXY FLOORING
 RESB REINFORCING EPOXY WALL/CEILING
 RF RUBBER FLOORING
 S SOLID SURFACE
 SC SPECIAL COATING
 SF SPECIAL FINISH
 WSP WELDED BEAM SHEET FLOORING (HEAT WELDED WITH ROD)

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

WALL PROTECTION LEGEND

(Symbol)	WP-1 48" ABOVE BASE FINISH (54" OVERLAP)
(Symbol)	WP-2 FULL SHEET SEE 3' AROUND FOR HEIGHT & TRANSITION DETAILS
(Symbol)	CRASH RAIL
(Symbol)	HANDRAIL



1 GROUND LEVEL FLOOR PLAN
1/17 - 1/18


Revisions:	Date:

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 Anderson Engineering, an Affiliates, LLC | **PE** 16064

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Michelle* Title: *Architect*

Date: 02/14/2025 License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
GROUND LEVEL WALL PROTECTION PLAN

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD

Issue Date
02/14/2025

Checked
MJP

Drawn
MRP

Project Number
438-460

Building Number
5

Drawing Number
AF102

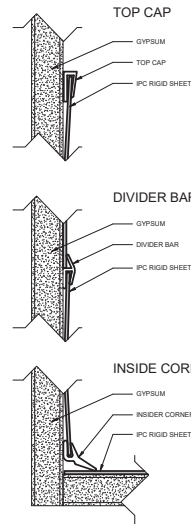
ROOM FINISH SCHEDULE									
NO.	NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING FINISH	REMARKS
134	INTERSTITIAL SPACE	SP-1	BS-1	P-2	P-2	P-2	P-2	EXPOSED	
135	CORRIDOR	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
136	CORRIDOR	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
137	CORRIDOR	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
138	TELECOM	SP-1	BS-1	P-2	P-1	BP-1	BP-1	EXPOSED - PA	PAINT UNDERSIDE OF METAL DECKING
139	CONFERENCE/ TRAINING ROOM	SP-1	BS-1	P-2/WR-1	P-2/WR-1	P-2/WR-1	P-2/WR-1	ACT-1	
140	ELECTRICAL	SP-1	BS-1	P-1	P-1	P-1	P-1	EXPOSED - PA	PAINT UNDERSIDE OF METAL DECKING
141	OPEN OFFICE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
142	LAB TECH OFFICE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
143	HR	RES-1	RES-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
144	TOILET	PT-1	PT-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	DSB (P-2)	
145	STAFF LOUNGE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
146	LAB OFFICE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
147	ASSISTANT CHIEF OFFICE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
148	SPS CHIEF OFFICE	SP-1	BS-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	P-1/WR-1	ACT-1	
149	MENS TOILET/CLOSER	PT-1	PT-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	DSB (P-2)	
150A	MENS SHOWER	PT-1	PT-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	DSB (P-2)	
150B	WOMENS TOILET/CLOSER	PT-1	PT-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	DSB (P-2)	
150C	WOMENS SHOWER	PT-1	PT-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	PT-1/WR-1	DSB (P-2)	
151	WIFE ROOM CLEAN	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
152	CLEAN WORKROOM ASSEMBLY	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
153A	STEAM STERILIZER	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	EXPOSED - PA	PAINT UNDERSIDE OF METAL DECKING
154	CLEANING	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
155	STERILE INSTRUMENT STORAGE	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	ACT-2	
156	SCORE STORAGE ROOM	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	ACT-2	
157	LOGISTICS STORAGE ROOM	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	ACT-2	
158	STEAM STERILIZATION AREA	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	EXPOSED - PA	PAINT UNDERSIDE OF METAL DECKING
159	CART HOLDING	RES-1	RES-1	WR-2	WR-2	WR-2	WR-2	DSB (RES-W1)	
160A	MANUAL CART WASH	RES-1	RES-1	WR-2	WR-2	WR-2	WR-2	DSB (RES-W1)	
160B	AUTOMATIC CART WASH AREA	RES-1	RES-1	WR-2	WR-2	WR-2	WR-2	EXPOSED - PA	PAINT UNDERSIDE OF METAL DECKING
161	DECONTAMINATION WORK AREA	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
162	CLEANING	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
163	DECONTAM	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
164	CART HOLDING	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
165	ANTIBIOTIC BOTTLE TRANSFER/OFF	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	
166	SCORE PROCESSING DECONTAMINATION ROOM	RES-1	RES-1	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	RES-1/WR-2	DSB (RES-W1)	

NOTE: WP-2 TO BE APPLIED AS FULL SHEET (8F). INSTALL ABOVE BASE TO 8F WITH RES-1V ABOVE 8F CEILING HEIGHT. INSTALL ABOVE BASE TO 8F WITH RES-1V ABOVE 8F CEILING HEIGHT. METALS ABOVE BASE TO 8F WITH RES-1V ABOVE 8F CEILING HEIGHT. SEE SCHEDULE FOR TRANSITION DETAILS.

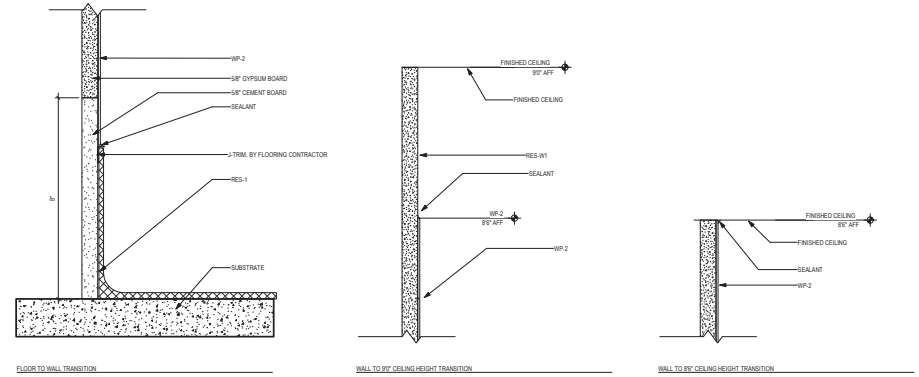
ROOM FINISH LEGEND & ABBREVIATIONS		KEYNOTE	
CG	CORNER GUARD	↻	NATIONAL INSTALL DIRECTION
AT	ACoustical CEILING (TILE)		
CG	CERAMIC TILE		
GW	GLASS GYPSUM WALLBACK SYSTEMS (SPECIAL COATING)		
LTC	LIGHT TRANSMITTING TILE		
P	PAINT		
PT	PORCELAIN TILE (FLOOR AND BASE)		
RES	RESILIENT BASE		
RES	REINFORCED FLOORING		
RES-W	REINFORCED POLYMER WALL/CEILING		
RF	REINFORCED FLOORING		
S	SOLID SURFACE		
SC	SPECIAL COATING		
SP	SPECIAL FACED		
WEP	WELDED SEAM SHEET FLOORING (HEAT WELDED WITH ROD)		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

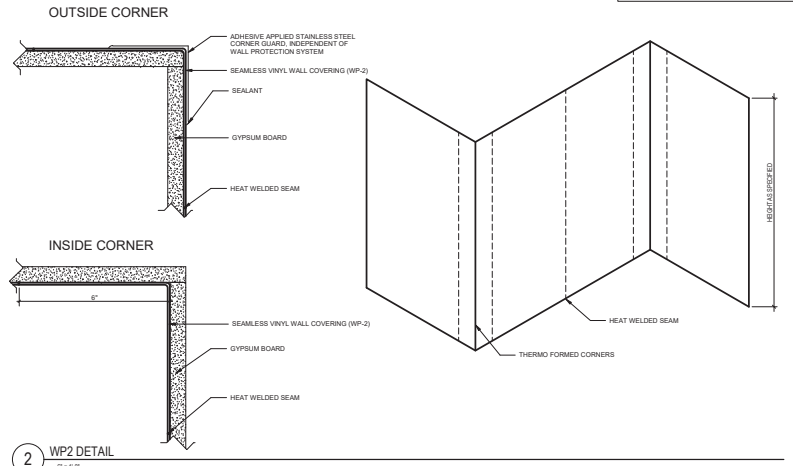
- ### FINISH PLAN GENERAL NOTES
- REFER TO PROJECT MANUAL SPECIFICATION SECTION 09 06 00 SCHEDULE FOR FINISHES FOR SPECIFIC PRODUCT SELECTIONS BASED ON DESIGN AND OTHER REQUIREMENTS.
 - FIELD FINISHES, GRILLES, ACCESS PANELS, PLUS STRIP, BASEBOARD, RADIATION ENCLOSURES, ELECTRICAL PANELS, BOARDS OR FINISHED SPACES TO MATCH SURFACE ON WHICH THEY OCCUR, UNLESS OTHERWISE INDICATED. EXCEPTION: ITEMS WITH FACTORY FINISH, OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING SHALL NOT BE PAINTED. STAINLESS STEEL ITEMS SHALL 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 FLOORING 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 PLAN AND ROOM FINISH SCHEDULE FOR FLOOR FINISH LOCATIONS.
 - HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-4 UNLESS NOTED OTHERWISE IN THE DRAWING SCHEDULE.
 - WOOD: PRE-FINISHED TO MATCH BUILDING STANDARD. REFER TO SPECIFICATION.
 - CEILING HEIGHTS AND 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 MANUAL SPECIFICATION. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REVERSE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION.
 - PAINT ALL FIRE EXTINGUISHER CABINETS TO MATCH COLOR OF THE ADJACENT WALLS.
 - CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR.
 - FOR FLOOR FINISH MATERIALS AND PATTERN, SEE FINISH PLAN.
 - SEE INTERIOR ELEVATIONS FOR MORE FINISH INFO.



1 WP1 DETAILS
1" = 1'-0"



3 WP-2 TRANSITION DETAILS
1" = 1'-0"



2 WP2 DETAIL
1" = 1'-0"

Revisions:	Date:

CONSULTANT

 202 10th St, Virginia, VA 23222

ARCHITECT/ENGINEER OF RECORD

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 Anderson Engineering of Minnesota, LLC | PWS 16084

STAMP
 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
 Name: *John* Tom O'Neil
 Date: 02/14/2025
 License Number: 18157

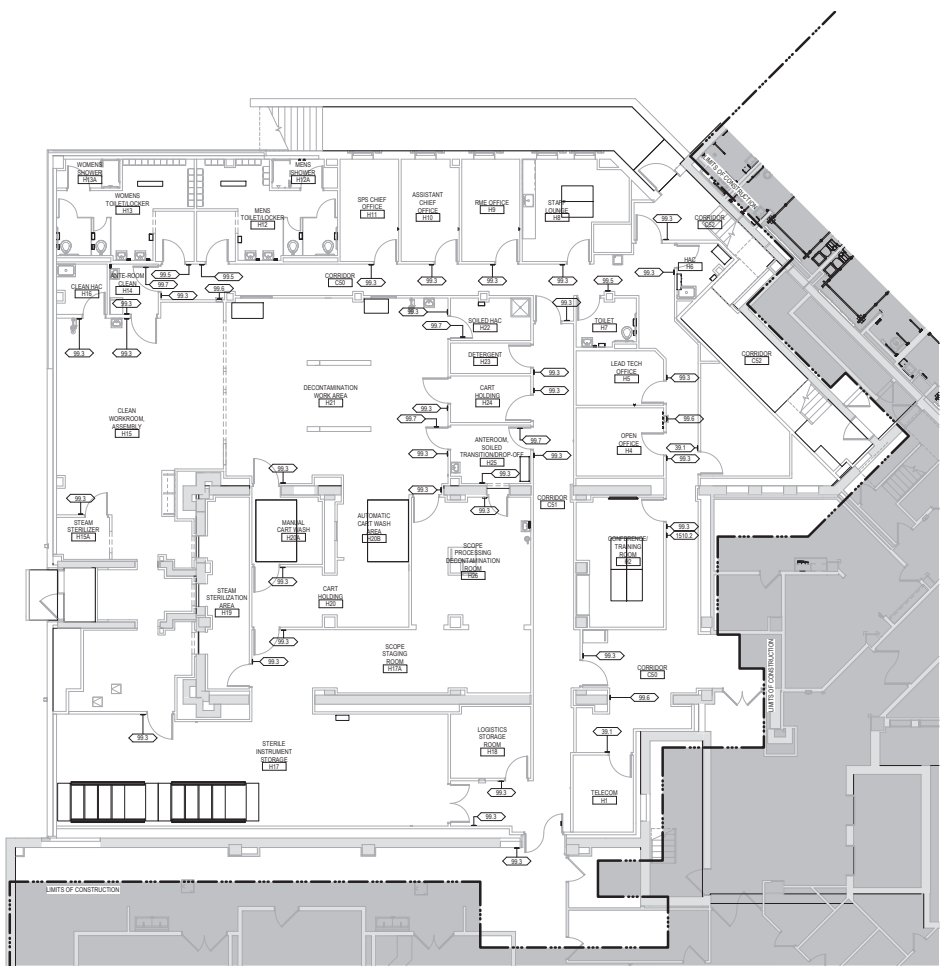
Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
ROOM FINISH SCHEDULE AND INTERIOR FINISH DETAILS
 Approved:

Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS
 Location
Sioux Falls, SD
 Issue Date
 02/14/2025
 Checked
 MJP
 Drawn
 Author
 Project Number
438-460
 Building Number
5
 Drawing Number
AF600

- SIGNAGE GENERAL NOTES**
1. ALL SIGNAGE IDENTIFYING PERMANENT ROOMS SHALL COMPLY WITH 2010 STANDARD FOR ACCESSIBLE DESIGN.
 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.
 4. SIGNS MUST BE 2" FROM DOOR JAMB WITH 1" CLEAR FLOOR SPACE FROM CENTER OF SIGN.
 5. ALL SIGN TEXT AND NUMBERING SUBJECT TO FINAL APPROVAL BY OWNER.
 6. ALL SIGNS MOUNTED TO GLASS TO HAVE GLASS BACKER.
 7. SIGNS TO BE MOUNTED ACCORDING TO MANUFACTURERS INSTALLATION INSTRUCTIONS AND MATERIALS.
 8. SIGN DRAWINGS AND DETAILS ARE FOR REFERENCE ONLY. SIGNAGE TO BE OWNER PROVIDED UNDER SEPARATE CONTRACT.



1 GROUND LEVEL WAYFINDING PLAN
18 - 110'

20250525 10:44:17 AM
C:\Users\jgambrell\OneDrive - ANDERSON ENGINEERING OF RECORD\work\180425\180425 - Ground Wayfinding

Revisions:	Date:

CONSULTANT

2002 10th St, Urdaneta, PA 17066

ARCHITECT/ENGINEER OF RECORD

18605 3rd Ave. N., 8120 Plymouth, MN 55441
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Anderson Engineering of Record, LLC | PEO # 16064

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Tom Oles*
Title: *Tom Oles*
Date: 02/14/2025
License Number: 18157

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

Drawing Title
GROUND LEVEL WAYFINDING PLAN

Approved: _____

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD

Issue Date
02/14/2025

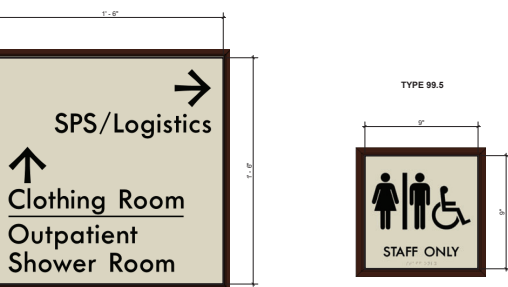
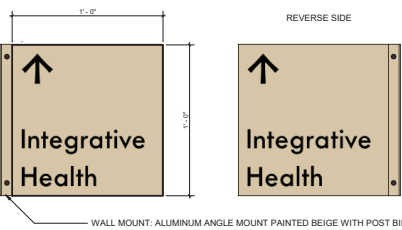
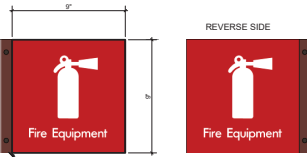
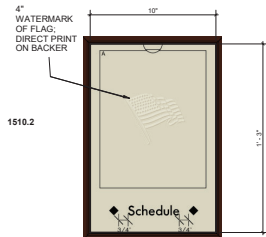
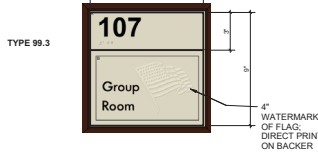
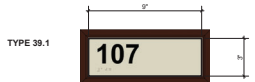
Checked
MJP

Drawn
MRP

Project Number
438-460

Building Number
5

Drawing Number
AW101



SIGN MESSAGE SCHEDULE			
LOCATION	SIGN MESSAGE	SIGN TYPE	REMARKS
	BIOWHARD	99.1	
C01	STERILE PROCESSING SERVICES	99.1	
C02	FIRE EQUIPMENT	99.6	
C03	FIRE EQUIPMENT	99.6	
C04	FIRE EQUIPMENT	99.6	
C05	STERILE PROCESSING SERVICES	99.1	
C06	CORRIDOR	99.3	
C07	STERILE PROCESSING SERVICES	99.1	
C08	NA	39.1	
C09	CONFERENCE TRAINING ROOM	99.3	
C10	SCHEDULE	1510.2	
C11	NA	39.1	
C12	OFFICE	99.3	
C13	LEAD TECH OFFICE	99.3	
C14	TRAC	99.3	
C15	TOILET	99.5	
C16	ETRY LOUNGE	99.3	
C17	STAFF LOUNGE	99.3	
C18	RMS OFFICE	99.3	
C19	ASSISTANT CHIEF OFFICE	99.3	
C20	SPS CHIEF OFFICE	99.3	
C21	WOMEN TOILET LOCKER	99.5	
C22	WOMEN'S TOILET LOCKER	99.5	
C23	ANTEROOM CLEAN	99.3	
C24	ANTEROOM CLEAN	99.3	
C25	ANTEROOM CLEAN	99.3	
C26	ANTEROOM CLEAN	99.3	
C27	CLEAN WORKROOM ASSEMBLY	99.3	
C28	STEAM STILLER	99.3	
C29	CLEAN HAC	99.3	
C30	STERILE INSTRUMENT STORAGE	99.3	
C31	LOGISTICS STORAGE ROOM	99.3	
C32	STEAM STERILIZATION AREA	99.3	
C33	CARE HOLDING	99.3	
C34	CARE WASH	99.3	
C35	MAINLINE CARE WASH	99.3	
C36	SOILED HAC	99.3	
C37	BIOWHARD	99.1	
C38	DECONTAMIN	99.3	
C39	CARE HOLDING	99.3	
C40	CARE HOLDING	99.3	
C41	ANTEROOM SOILED TRANSITION/DRIP OFF	99.3	
C42	ANTEROOM SOILED TRANSITION/DRIP OFF	99.3	
C43	ANTEROOM SOILED TRANSITION/DRIP OFF	99.3	
C44	ANTEROOM SOILED TRANSITION/DRIP OFF	99.3	
C45	ANTEROOM SOILED TRANSITION/DRIP OFF	99.3	
C46	BIOWHARD	99.1	
C47	BIOWHARD	99.1	
C48	SCOPE PROCESSING DECONTAMINATION ROOM	99.3	

- SIGNAGE GENERAL NOTES**
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 4. SIGNS MUST BE 2" FROM DOOR JAMS WITH 1" CLEAR FLOOR SPACE FROM CENTER OF SIGN.
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 6. ALL SIGNS MOUNTED TO GLASS TO HAVE GLASS PROTECTOR.
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 8. SIGN DRAWINGS AND DETAILS ARE FOR REFERENCE ONLY. SIGNAGE TO BE OWNER PROVIDED UNDER SEPARATE CONTRACT.

1 SIGNAGE TYPES
3" x 12"

Revisions:	Date:

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IMEG
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Anderson Engineering, Inc. | **PRO** 16064

STAMP
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
Name: *Tom Olson*
Date: 02/14/2025
License Number: 18157

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

Drawing Title
WAYFINDING MESSAGE SCHEDULES & SIGNAGE DETAILS

Phase
BID DOCUMENTS
FULLY SPRINKLERED

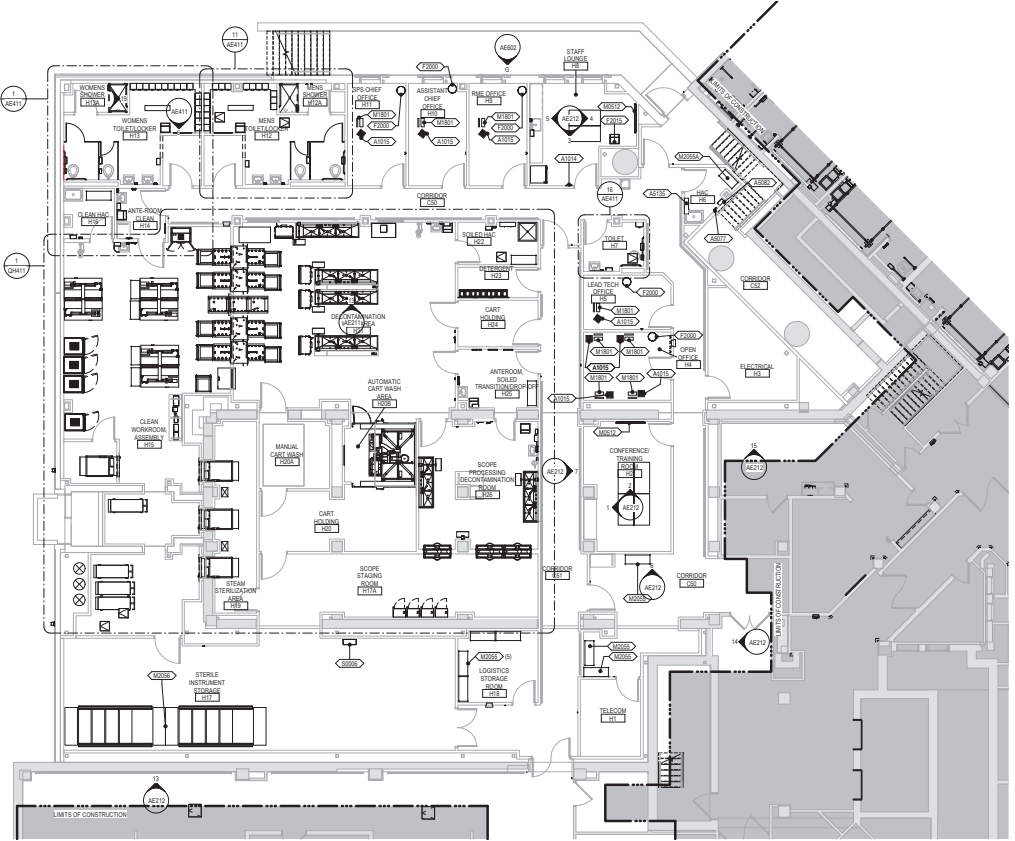
Project Title
CONSTRUCT NEW SPS
Location
Sioux Falls, SD
Issue Date
02/14/2025

Project Number
438-460
Building Number
5
Drawing Number
AW601

VA ACQUISITION CODE LEGEND	
CONTRACTOR FURNISHED AND INSTALLED	CC
VA FURNISHED - CONTRACTOR INSTALLED	VC
VA FURNISHED AND INSTALLED	VV
VA FURNISHED - CONTRACTOR INSTALLED WITH CONSTRUCTION FUNDS	VVCF
VA FURNISHED - VA INSTALLED WITH CONSTRUCTION FUNDS	VVCFI
RELOCATED	R

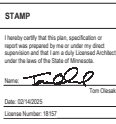
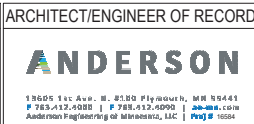
SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED (CCI) EQUIPMENT NOT INDICATED ON EQUIPMENT SCHEDULE.

EQUIPMENT #	EQUIPMENT NAME	MANUFACTURER	DESCRIPTION	ACQUISITION CODE	QTY	ROOM #	ROOM NAME
80278	RENCO HEAT SEALER	RENCO	RENCO HEAT SEALER	VV	1	H05	CLEAN WORKROOM ASSEMBLY
81234	TELEPHONE WALL MOUNTED			VV	8		
A1915	TELEPHONE DESK			VV	8		
A1155	AMSCO 55 STAINLESS STEEL 3 COMPARTMENT SINK 20"	STERIS Corporation	Amisco 55 Reprocessing Sink - 3 Bay/20" Length/Adjustable Left to Right Rack Flow Delivery may be selected by halving width. STERIS installation and delivery leads to verify prior to shipment.	VC	4	H01	DECONTAMINATION WORK AREA
A1154	AMSCO 55 STAINLESS STEEL 3 COMPARTMENT REPROCESSING SINK 30"	STERIS Corporation	Amisco 55 Reprocessing Sink - 3 Bay/30" Length/Adjustable Left to Right Rack Flow	VC	2	H08	SCOPE PROCESSING DECONTAMINATION ROOM
A4300	BERNCO FLOOR MOUNTED	Bernco Products	As per specification in 1511 03	VC	2		
A4375	SOAP DISPENSER			VV	15		
A4377	HAND SANITIZER DISPENSER			VV	8		
A4380	HANDS FREE PAPER TOWEL DISPENSER			VV	10		
A4388	SANITARY WIPER DISPENSER			VV	3		
A4397	GLOVE DISPENSER 15.00M			VV	1	H08	SCOPE PROCESSING DECONTAMINATION ROOM
A4398	SHOAPS		A container for collecting and transporting syringes and other sharps for decontamination and disposal. Available in 2 gallon and 8 gallon with locking onto Corbin with 0.004" aperture for handling sharps.	VV	1	H08	SCOPE PROCESSING DECONTAMINATION ROOM
A4399	SHOP HOLDER WITH SHELF	Studier Corporation	Utility Shelf w/ Hooks 3 Holders & 1 Drying Rack - 30" W	VC	3		
A4340	HOOK GARMENT DOUBLE		A BUNFAE MOUNTED SATIN FINISH STAINLESS STEEL GARMENT HOOK WITH A CONCEALED MOUNTING BRACKET THAT IS MOUNTED TO A CONCEALED WALL PLATE. FOR GENERAL PURPOSE	VC	12		
A4322	TOILET PAPER HOLDER 2 ROLL WITH SHELF			VV	5	H08	SCOPE PROCESSING DECONTAMINATION ROOM
E2624	SCOPE BLOCK HOLDER			VV	1	H08	SCOPE PROCESSING DECONTAMINATION ROOM
F0404	TRANSFER CART	STERIS Corporation	Reliance Transfer Cart	VV	9		
F880	STAINLESS STEEL TABLE			VV	9		
F2300	TRASH CAN 18" DIA			VV	6		
7281	BARCODE READER		Handheld barcode for manual, approximately 45 scan objects. This unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations. Size and shape varies depending on the app.	VV	1	H07	TOILET
F3915	TRASH CAN 18" X 18"		METAL OR PLASTIC WASTE/PAPER BASKET WITH SWING DOORS AND REMOVABLE LID. 18" X 18"	VV	7		
F3920	BAR CODE READER			VV	3		
F3920	CLOCK BATTERY 12N DIA			VV	1	H8	STAFF LOUNGE
M812	FLAT SCREEN MONITOR BY WALL BRACKET			VV	4		
M818	COMPUTER WITH FLAT PANEL MONITOR			VV	14		
M1233	WALL MOUNTED COMPUTER MONITOR/STATION			VV	8		
M2554	WIRE SHELVING 48" X 12"		STORAGE RACK	VV	10		
M2554	WIRE SHELVING 18" X 12"		STORAGE RACK	VC	5		
M2554	WIRE SHELVING 36" X 12" SYSTEM		18" X 18" X 3 NEW TOTAL	VV	2	H07	STERILE INSTRUMENT STORAGE
M1760	ADVANTAGE PLUS AIR SCOPE DRYING CABINET	CANTIL MEDICAL CORPORATION	ADVANTAGE PLUS AIR - Single side	VC	4	H17A	SCOPE STAGING ROOM
R7290	REFRIGERATOR			VV	1	H8	STAFF LOUNGE
30003	3M ATTEST AUTO READER 300			VV	1	H15	CLEAN WORKROOM ASSEMBLY
30003	CINEMATRA SCANNER CHARGING STATION			VV	1	H15	CLEAN WORKROOM ASSEMBLY
30004	INCUBATOR BIOLOGICAL INDICATOR			VV	1	H15	CLEAN WORKROOM ASSEMBLY
30005	STYROKUR BATTERY CHARGING STATION			VV	3	H15	CLEAN WORKROOM ASSEMBLY
30008	THE PROBE STORAGE CABINET			VC	1	H17	STERILE INSTRUMENT STORAGE
30007	COMPUTER PULSING CLEANER			VV	1	H01	DECONTAMINATION WORK AREA
30046	STERIS AMSCO DRYING CABINET	STERIS Corporation	Amisco Drying Cabinet - 30" Single Door (115-120 Volt/2 Amp Dedicated Wall Plug)	VC	1	H15	CLEAN WORKROOM ASSEMBLY
30042	AMSCO 800 STEAM STERILIZER - 36.5x36.5x67"	STERIS Corporation	Amisco 800 Medium Steam Sterilizer - 36.5x36.5x67" (87x87x180mm) Single Side Door/Recessed/Steam Head	VC	2	H19	STEAM STERILIZATION AREA
30042	AMSCO 800 STEAM STERILIZER - 36.5x36.5x67"	STERIS Corporation	Amisco 800 Medium Steam Sterilizer - 36.5x36.5x67" (87x87x180mm) Single Side Door/Recessed/Steam Head	V C R	2		
30046	STERIS AMSCO 800 LOADING/TRANSFER CART	STERIS Corporation	Amisco 800 Loading Car and Transfer Cartage - 36.5x36.5x67" (87x87x180mm) Height	VV	4	H15	CLEAN WORKROOM ASSEMBLY
30046	STERIS AMSCO 7200HP WASHER/INSPECTOR	STERIS Corporation	AMSCO 7200HP SINGLE CHAMBER WASHER/INSPECTOR - DOUBLE DOOR/STEAM HEAD/HEAT EXCHANGER/FLUSH MOUNTED	VC	1	H01	DECONTAMINATION WORK AREA
30040	AMSCO AIR MANAGEMENT SYSTEM	STERIS Corporation		VC	2	H01	DECONTAMINATION WORK AREA
30041	STERIS WASHER/INSPECTOR CONVEYOR SYSTEM	STERIS Corporation	SCS Load/Unload Conveyor System - Single Load/Single Unload	VC	4	H01	DECONTAMINATION WORK AREA
30042	STERIS MOTORIZED RETURN CONVEYOR SYSTEM WITH DOOR	STERIS Corporation	SCS L Motorized Return Conveyor System - 3 Motor/Return Door/Flush Mounted	VC	1	H01	DECONTAMINATION WORK AREA
31900	STERIS AUTOMATED PASS THROUGH WINDOW 34"x42"	STERIS Corporation	STERIS Automated Pass Through Window - Endoscopy Application (RM40" Window)	VC	1	H16	CLEAN WORKROOM ASSEMBLY
13267	ADVANTAGE PLUS PASS THRU ENDOSCOPE REPROCESSOR	CANTIL MEDICAL CORPORATION	ADVANTAGE PLUS Pass Thru Reprocessor - 200 with air compressor	VC	3	H08	SCOPE PROCESSING DECONTAMINATION ROOM
13262	STERIS ACHOLD SYSTEM - WALL MOUNTED 3 CONTAINER	STERIS Corporation	ACHOLD System - Wall Mounted 3 Container	VC	4	H03	DECONTAMINATION WORK AREA
13261	STERIS VISION 11500000 IRRIGATOR & CLEANER	STERIS Corporation	IrroView 11500 Irrigating System - 15 Galons	VC	4	H01	DECONTAMINATION WORK AREA
13148	STERIS VISION 1207 CART AND UTENSIL WASHER	STERIS Corporation	IrroView 1207 Cart and Utensil Washer/Dispenser - Standard Overload/Double Door/PI Mounted	VC	1	H08	AUTOMATIC CART WASH AREA
15555	STERIS AMSCO 1 PRO MAX LOW TEMP STERILIZER	STERIS Corporation	Amisco 1 PRO Max Low Temperature Sterilization System - Single Door/Cabinet	VC	4	H15	CLEAN WORKROOM ASSEMBLY
18610	AMSCO PREP AND PACK WORK STATION 36" X 12" ELECTRIC	STERIS Corporation	Amisco Deluxe Prep and Pack Workstation - 36"x12" Electric	VC	6	H15	CLEAN WORKROOM ASSEMBLY
T584	MOBILE CART			VV	1	H01	DECONTAMINATION WORK AREA



1 GROUND FLOOR EQUIPMENT PLAN
1/8" = 1'-0"

Revisions:	Date:



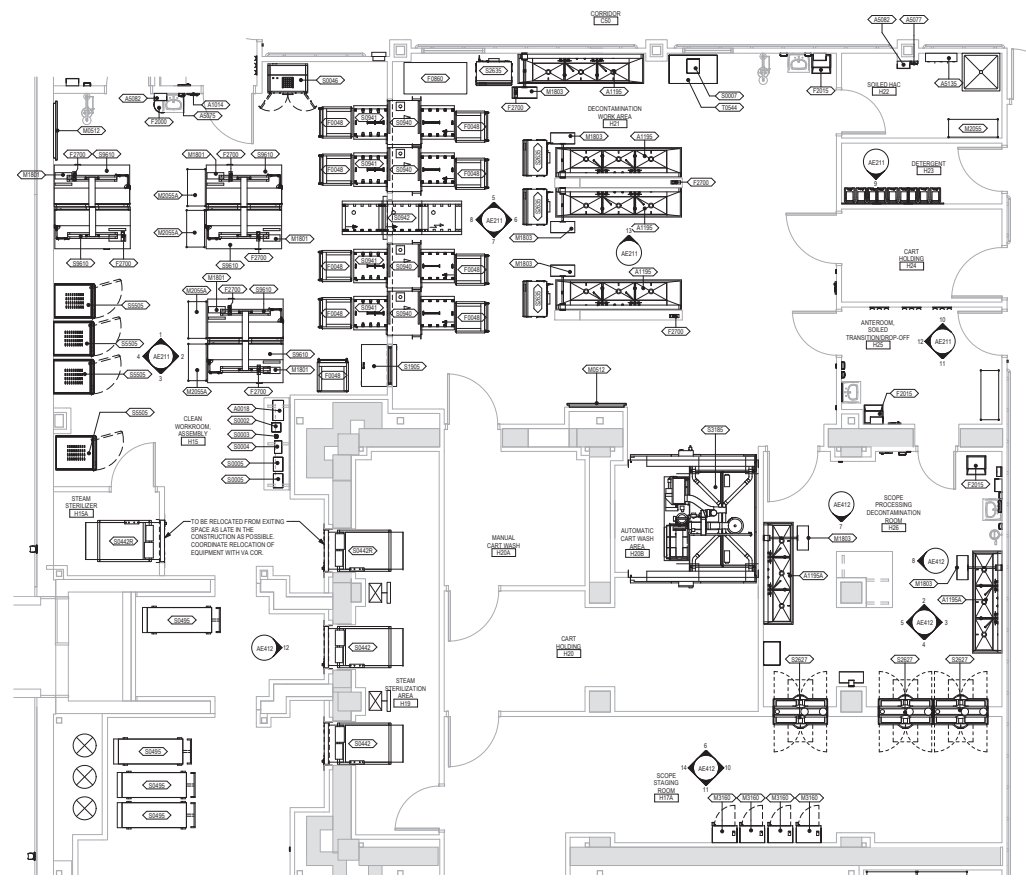
Drawing Title	GROUND LEVEL EQUIPMENT PLAN & SCHEDULE
Approved:	

Phase	BID DOCUMENTS
Project Title	CONSTRUCT NEW SPS
Project Number	438-460
Building Number	5
Location	Sioux Falls, SD
Issue Date	02/14/2025
Checked	LA
Drawn	GJB
Drawing Number	QH101

VA ACQUISITION CODE LEGEND	
CONTRACTOR FURNISHED AND INSTALLED	CC
VA FURNISHED - CONTRACTOR INSTALLED	VC
VA FURNISHED AND INSTALLED	VV
VA FURNISHED - CONTRACTOR INSTALLED WITH CONSTRUCTION FUNDS	VVCF
VA FURNISHED - VA INSTALLED WITH CONSTRUCTION FUNDS	VVCFI
RELOCATED	R

SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED (CI) EQUIPMENT NOT INDICATED ON EQUIPMENT SCHEDULE.

EQUIPMENT SCHEDULE							
EQUIPMENT #	EQUIPMENT NAME	MANUFACTURER	DESCRIPTION	ACQUISITION CODE	QTY	ROOM #	ROOM NAME
A011	RENICO HEAT SEALER	RENICO	RENICO HEAT SEALER	V/V	1	H15	CLEAN WORKROOM, ASSEMBLY
A014	TELEPHONE WALL MOUNTED			V/V	7		
A1115	TELEPHONE, DESK			V/V	8		
A1151	AMSCO 50 STAINLESS STEEL 3 COMPARTMENT SINK 120"	STERIS Corporation	Amisco 50 Reprocessing Sink - 3 Bay/17" Long/Height Adjustable Left to Right Work Flow (Delivery may be restricted by hallway width. STERIS isolation and delivery team will assist with installation)	V/C	4	H01	DECONTAMINATION WORK AREA
A1154	AMSCO 50 STAINLESS STEEL 3 COMPARTMENT REPROCESSING SINK 84"	STERIS Corporation	Amisco 50 Reprocessing Sink - 3 Bay/17" Long/Height Adjustable Left to Right Work Flow (Delivery may be restricted by hallway width. STERIS isolation and delivery team will assist with installation)	V/C	2	H06	SCOPE PROCESSING DECONTAMINATION ROOM
A010	BENCH FLOOR MOUNTED	STERIS Corporation	Looks as Specified in 10 51 00	V/C	2		
A017	SCAP DISPENSER			V/V	13		
A017	HAND SANITIZER DISPENSER			V/V	5		
A018	HANDS FREE PAPER TOWEL DISPENSER			V/V	12		
A019	HANDY WARM DISPOSK			V/V	7		
A017	GLUVE DISPENSER (2 BOX)			V/V	1	H04	SCOPE PROCESSING DECONTAMINATION ROOM
A010	SHARPS		A container for collecting and transporting syringes and other sharps for decontamination and disposal. Anesthetics in 2 gallon and 8 gallon with locking rose. Complies with OSHA regulations for handling sharps.	V/C	1	H04	SCOPE PROCESSING DECONTAMINATION ROOM
A013	WIP HOLDER WITH SHELF	Wipac Corporation	Utility Shelf w/ Hooks, 3 Hooks & 4 Tying Rods - 30" W"	V/C	3		
A014	HOOK, GARMENT, DOUBLE		L HEMLOCK HOOKED, 24" IN FRONT, 17" IN REAR, STEEL, GARMENT HOOK WITH A CONCEALED MOUNTING BRACKET THAT IS SECURED TO A CONCEALED WALL PLATE FOR GENERAL PURPOSE	V/V	5		
A010	TOILET PAPER HOLDER 2 ROLL WITH SHELF			V/V	5		
E024	SCOPE BLOCK HOLDER			V/V	1	H06	SCOPE PROCESSING DECONTAMINATION ROOM
F048	TRANSFER CART	STERIS Corporation	Ralliance Transfer Cart	V/V	9		
F069	STAINLESS STEEL TABLE			V/V	7		
F210	TRASH CAN 17" DIA		Wastebasket basket, 16 quart capacity, approximately 40 quart capacity. This unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and waiting stations. Size and shape varies depending on the app.	V/V	6		
F213	BASKET, WASTE PAPER, STEP-ON			V/V	1	H7	TOILET
F215	TRASH CAN 18" DIA		METAL OR PLASTIC WASTE PAPER BASKET WITH SWING DOORS AND REMOVABLE LID, 18" X 18"	V/V	1		
F216	BAR CODE READER			V/V	9		
F220	CLOCK BATTERY 120V/24V			V/V	1	H8	STAFF LOUNGE
M012	FLAT SCREEN MONITOR 19" WITH WALL BRACKET			V/V	4		
M013	COMPUTER WITH FLAT PANEL MONITOR			V/V	16		
M015	WALL MOUNTED CARTER WORKSTATION			V/V	8		
M020	WIRE SHELVING 48" X 18"		STORAGE RACK	V/C	13		
M024	WIRE SHELVING 36" X 18"		STORAGE RACK	V/C	10		
M026	HIGH DENSITY SHELVING SYSTEM		78" X 18" X 18" TOTAL	V/V	2	H17	STERILE INSTRUMENT STORAGE
M028	MEDEVAC ADVANTAGE PLUS AIR SCOPE DRYING CABINET	CANTREL MEDICAL	ADVANTAGE PLUS AIR - Single side	V/C	4	H18A	SCOPE STAGING ROOM
M029	REF REFRIGERATOR	REF REFRIGERATOR		V/V	1	H8	STAFF LOUNGE
M030	BATTERY CHARGING STATION	BATTERY CHARGING STATION		V/V	1	H15	CLEAN WORKROOM, ASSEMBLY
M031	CENTRAL SUMMER CHARGING STATION	CENTRAL SUMMER CHARGING STATION		V/V	1	H15	CLEAN WORKROOM, ASSEMBLY
M032	INDICATOR, BATTERY CHARGING STATION	INDICATOR, BATTERY CHARGING STATION		V/V	1	H15	CLEAN WORKROOM, ASSEMBLY
M033	STRONGER BATTERY CHARGING STATION	STRONGER BATTERY CHARGING STATION		V/V	2	H15	CLEAN WORKROOM, ASSEMBLY
M034	TEL PHONE CHARGING CABINET	TEL PHONE CHARGING CABINET		V/C	1	H17	STERILE INSTRUMENT STORAGE
M037	COUNTERTOP ULTRASONIC CLEANER			V/V	1	H21	DECONTAMINATION WORK AREA
M045	STERIS AMSCO DRYING CABINET	STERIS Corporation	Amisco Drying Cabinet - 38" Single Door (115" 120" 160002 Amp Dedicated Wall Plug)	V/C	1	H15	CLEAN WORKROOM, ASSEMBLY
M042	AMSCO 800 STEAM STERILIZER - 36.5x26.5x47"	STERIS Corporation	Amisco 800 Medium Steam Sterilizer - 36.5x26.5x47" (873673x1600my) Single Shelf (See Process/Process Heat)	V/C	2	H19	STEAM STERILIZATION AREA
M043	AMSCO 800 STEAM STERILIZER - 36.5x26.5x47"	STERIS Corporation	Amisco 800 Medium Steam Sterilizer - 36.5x26.5x47" (873673x1600my) Single Shelf (See Process/Process Heat)	V/C	2	H19	STEAM STERILIZATION AREA
M049	STERIS AMSCO 800 LOADING / TRANSFER CART	STERIS Corporation	Amisco 800 Loading Car and Transfer Cartage - 36.5x26.5x47" Floor Height	V/C	1	H15	CLEAN WORKROOM, ASSEMBLY
M040	STERIS AMSCO 7020P WASHER / DISINFECTOR	STERIS Corporation	AMSCO 7020P SINGLE CHAMBER WASH-DISINFECTOR, DOUBLE DOOR/STEAM HEAT-VENTED/PLUMBING/INSTALLED	V/C	4	H21	DECONTAMINATION WORK AREA
M044	AMSCO AIR MANAGEMENT SYSTEM	STERIS Corporation		V/C	2	H21	DECONTAMINATION WORK AREA
M041	STERIS WASHER / DISINFECTOR CONVEYOR SYSTEM WITH SCALM	STERIS Corporation	SC3 Load/Unload Conveyor System - Single Load/Unload	V/C	4	H21	DECONTAMINATION WORK AREA
M042	STERIS MOTORIZED RETURN CONVEYOR SYSTEM WITH SCALM	STERIS Corporation	SC3L Motorized Return Conveyor System - 3 Modular/Return Door/Inch Mounted	V/C	1	H21	DECONTAMINATION WORK AREA
M110	STERIS AUTOMATED PASS THROUGH WINDOW 36" W40"	STERIS Corporation	STERIS Automated Pass-Through Window - Endoscopy Application (40x40" Window)	V/C	1	H15	CLEAN WORKROOM, ASSEMBLY
M007	ADVANTAGE PLUS PASS THRU ENDOSCOPE REPROCESSOR	CANTREL MEDICAL	ADVANTAGE PLUS Pass Thru Reprocessor, 230V (with air compressor)	V/C	3	H06	SCOPE PROCESSING DECONTAMINATION ROOM
M003	STERIS ACHOLD SYSTEM - WALL MOUNTED 3 CONTAINER	STERIS Corporation	ACHOLD System - Wall Mounted 3 Container	V/C	4	H23	STERILE
M025	MINOWAVE ULTRASONIC IRRIGATOR & CLEANER	STERIS Corporation	Introwave Unity Ultrasonic Irrigator - 16 Gallon	V/C	4	H21	DECONTAMINATION WORK AREA
M115	STERIS VESSED 120" CART AND UTENSIL WASHER	STERIS Corporation	Vespa 120" Cart and Utensil Washer/Disinfector - Standard Orientation/Double Door/Plumb Mounted	V/C	1	H08	AUTOMATIC CART WASH AREA
M035	STERIS AMSCO V PRO MAX LOW TEMP STERILIZER	STERIS Corporation	Amisco V PRO Max Low Temperature Sterilization System - Single Door/Cabinet	V/C	4	H15	CLEAN WORKROOM, ASSEMBLY
M010	AMSCO PREP AND PACK WORK STATION 30" X 12" (ELECTRIC)	STERIS Corporation	Amisco Deluxe Prep and Pack Workstation - 36x17" Electric	V/C	5	H15	CLEAN WORKROOM, ASSEMBLY
M044	MOBILE CART			V/V	1	H21	DECONTAMINATION WORK AREA

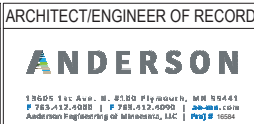


1 ENLARGED EQUIPMENT PLAN
1/4" = 1'-0"

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Revisions:	Date:



STAMP
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
Name: *John*
Title: *Architect*
Date: 02/14/2025
License Number: 18157

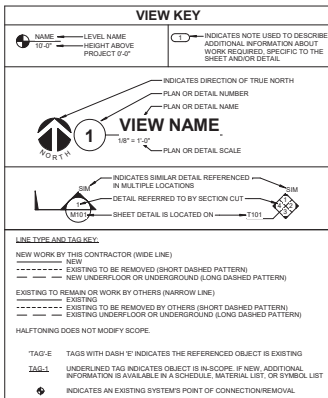
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED EQUIPMENT PLAN & SCHEDULE
Approved: _____

Phase: BID DOCUMENTS
FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS
Location: Sioux Falls, SD
Issue Date: 02/14/2025
Checked: LA
Drawn: GJB

Project Number: 438-460
Drawing Number: 5
Drawing Number: QH411



CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE
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

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2021 EDITION
FIRE CODE:	IFC 2021 EDITION
PLUMBING CODE:	IPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
LIFE SAFETY CODE:	NFPA 101 (IBC) 2021 EDITION
ENERGY CONSERVATION CODE:	IECC 2021
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	ERIC J. HENDERSON, PE
MECHANICAL	DELLAN J. LLENELLYN, PE
ELECTRICAL	KRISTEN SMITH, PE
TECHNOLOGY	DAMON M. DENIA

FIRE PROTECTION SHEET INDEX

FP000	FIRE PROTECTION COVERSHEET
FP001	GROUND LEVEL DEMOLITION PLAN - FIRE PROTECTION
FP101	GROUND LEVEL FLOOR PLAN - FIRE PROTECTION
FP111	INTERSTITIAL FIRST LEVEL FLOOR PLAN - FIRE PROTECTION
FP100	FIRE PROTECTION DETAILS
GRAND TOTAL: 5	

FIRE PROTECTION SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
—	DRAIN
—	FIRE PROTECTION
—	SERVICE WATER - POTABLE
—	PIPE CAP
—	PIPE DOWN
—	PIPE UP OR UP/DOWN
—	UNDRUNLENGTH
—	DIRECTION OF FLOW PIPE
—	ROUTE TO DRAIN
—	SHUTOFF VALVE NORMALLY OPEN
—	AUTOMATIC DRAIN VALVE
—	AIR PRESSURE MAINTENANCE DEVICE
—	AIR SUPERVISORY SWITCH
—	ANGLE VALVE
—	BUTTERFLY VALVE WITH MONITOR SWITCH
—	CHECK VALVE
—	BACKFLOW PREVENTER
—	INSPECTOR TEST AND DRAIN VALVE
—	OSBY GATE VALVE
—	OSBY GATE VALVE WITH MONITOR SWITCH
—	FLOW SWITCH
—	PRESSURE SWITCH
—	PRESSURE GAUGE (FINISHED WITH BALL VALVE)
—	MONITOR SWITCH
—	AREA BOUNDARY
—	LIGHT HAZARD
—	NO HATCH
—	ORDINARY GROUP 1
—	ORDINARY GROUP 2
—	DEMOLITION
—	SPRINKLER - WALL MOUNTED
—	SPRINKLER

FIRE PROTECTION ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
BP	BACKFLOW PREVENTER
IE	INVERT ELEVATION
N.C.	NORMALLY CLOSED
NC	NOT IN CONTACT
N.O.	NORMALLY OPEN
SCSR	SHORT CIRCUIT CURRENT RATING
Typ	TYPICAL
UN	UNLESS OTHERWISE NOTED

FIRE FLOW TEST DATA

TEST DATE:	SEPTEMBER 16, 2019
LOCATION:	FIRE PUMP, FIRE PUMP ROOM, GROUND FLOOR, BUILDING 5
STATIC PRESSURE:	133 PSI
RESIDUAL PRESSURE:	82 PSI
TOTAL FLOW:	1,500 GPM
SIZE OF MAIN:	4" DIAMETER ROUGHLY 320 FEET OF PIPE FROM FIRE PUMP TO WEST WING RISER

MECHANICAL SHEETS AND TRADES:

NOT ALL MECHANICAL, SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS TO THE DESIGNER.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION RISES AND RISERS MAY BE NECESSARY BECAUSE OF FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL, AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS.
- CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF DAMAGED CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO COMMENCEMENT OF WORK.
- 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, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT INTERFERE WITH EXISTING SYSTEMS, OR REMOVE EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE-IN AND SWITCHOVER. BRAN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGES TO NEW SYSTEMS WITH MINIMUM OUTAGE.
- DISCONNECT AND REMOVE MECHANICAL SERVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

MECHANICAL GENERAL NOTES:

NOT ALL MECHANICAL, SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING 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.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW AND CORRECT THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, SERVICE, CLEARANCE, AND TO VERIFY NECESSARY CLEARANCES FOR ALL TRADES, BEING AWARE OF 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.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL, REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY, AND/OR OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILING AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILING COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO WALLS, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR DUCTWORK.
- CALLK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT MOISTURE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATER TIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT FADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK THE SERVICE CLEARANCE OF 2' IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHES, MOTOR CONTROL, CENTRAL TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN A MINIMUM WORKING CLEARANCE OF 3' ABOVE THE DEPTH OF ALL ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6' ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FORSORE TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING DUCTWORK, PIPING, ETC.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" ABOVE ALL SEES OF EQUIPMENT.
- DO NOT SUPPORT ELECTRICAL PIPING, OR DUCTWORK FROM METAL BEKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

FIRE PROTECTION GENERAL NOTES:

- 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. 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 MATERIALS 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.
- 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.
- NEW SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
- RESPONSE SPRINKLERS SHALL BE INSTALLED IN AREAS GREATER THAN 400 SF.
- PROVIDE COVERAGE ABOVE (IF APPLICABLE) AND BELOW FLOATING CEILING, REFER TO ARCHITECTURAL PLANS.
- FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. DETERMINE EXACT NUMBER OF SPRINKLER, PIPE SIZES, AND PIPE ROUTING.
- ALL BUILDING AREA SHALL BE FULLY SPRINKLERED INCLUDING CANOPIES, WALKWAYS, OVERHANGS, SORTERS, AND BAYS FULLY PROTECTED BY THE SPRINKLER SYSTEM.
- EACH RISER ASSEMBLY SHALL INCLUDE CHECK VALVE, BUTTERFLY CONTROL VALVE, INDICATING 'OPEN' OR 'CLOSED' POSITION, TEST INSPECTION VALVE, FLOW SWITCH AND PRESSURE GAUGES.
- WHERE FEASIBLE INSTALL PIPES HIGH AS POSSIBLE TO AVOID CONFLICT WITH OTHER DISCIPLINES.
- INSTALL SYSTEM DRAINS AT LOW POINTS AREAS CONTAINING FIVE GALLONS OF WATER OR MORE. PROVIDE WITH ISOLATION VALVE AND THREADED HOSE CONNECTION.
- MAIN PIPING PASSING BELOW SHOULDRS OR CLEARESTORIES ARE NOT PERMITTED.
- FOLLOW STRUCTURAL DETAILS WHEN PENETRATING OR PASSING THROUGH STRUCTURAL ELEMENTS. ALTERNATE DESIGNS WILL NEED TO BE APPROVED THROUGH THE STRUCTURAL ENGINEER.
- PROVIDE INTERMEDIATE TEMPERATURE SPRINKLER HEADS WHERE REQUIRED BY NFPA 13, UNLESS OTHERWISE NOTED.
- FINAL HEAD LOCATION, TYPE AND FINISH SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT.
- A GRAPHIC ANNUNCIATOR PANEL SHALL BE PROVIDED TO INCLUDE AREAS BEING PROVIDED WITH A FIRE ACTION OR CLEAN AGENT SYSTEM (WHICH HAVE CONCEALED AREAS).
- EXACT LOCATION OF THE ALL PANELS SHALL BE VERIFIED ON SITE AND COORDINATED WITH THE ELECTRICAL CONTRACTOR.
- PANEL NOT EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY THE ARCHITECT.
- THE OWNER MUST BE NOTIFIED PRIOR TO EACH AND EVERY DRAINING OR RECHARGING OF THE SPRINKLER SYSTEM.
- 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.
- 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.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.

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VA FORM 08-6231

Revisions:	Date:

CONSULTANT

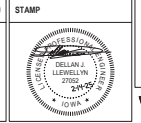
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Office of Construction and Facilities Management

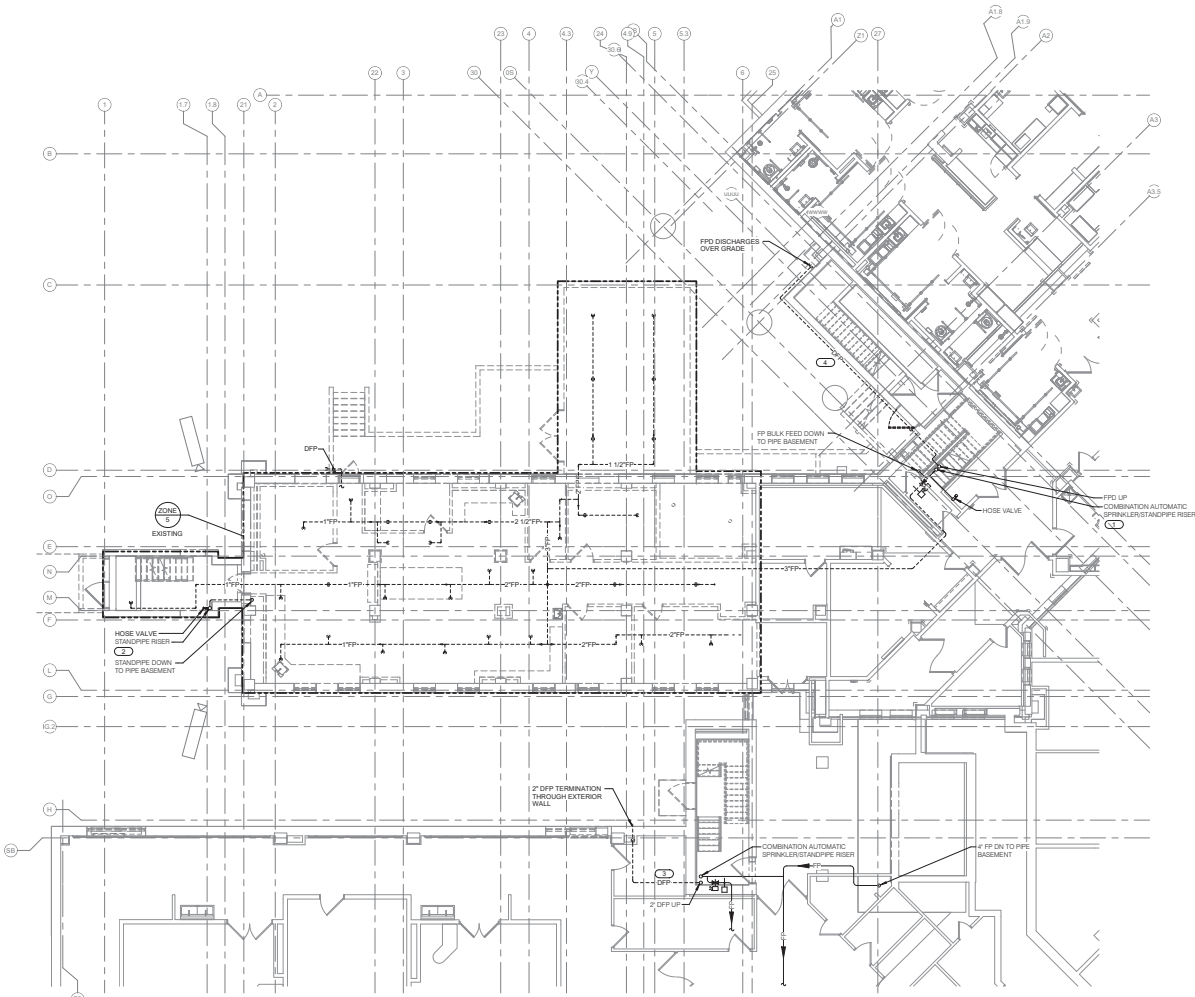
VA U.S. Department of Veterans Affairs

Drawing Title	Phase
FIRE PROTECTION COVERSHEET	BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title	Project Number
CONSTRUCT NEW SPS	438-460
Location	Sioux Falls, SD
Issue Date	02/14/2025
Checked	BLOBR
Drawn	DELLE
Project Number	FP000

Project Title	Project Number
CONSTRUCT NEW SPS	438-460
Location	Sioux Falls, SD
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Checked	BLOBR
Drawn	DELLE
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- GENERAL FIRE PROTECTION NOTES:**
1. REFERENCE FPD - FIRE PROTECTION COVER SHEET FOR FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 2. REMOVE MAIN SPRINKLER PIPE BRANCHES AND SPRINKLERS THROUGHOUT THE PROJECT AREA BACK TO RISER LOCATED IN STAIR #4.
- REVISIONS (R)**
1. EXISTING PRESSURE GAUGE INSTALLED IN STAIR #4 HEADS UP PRIOR AT THIS LEVEL.
 2. EXISTING STANDPIPE DOWN TO PIPE BASEMENT. HORIZONTAL PIPING DOWN ROUTES ALONG FLOOR TO STANDPIPE RISER IN STAIR TOWER. REMOVE PIPING ON FLOOR AND PREPARE TO EXTEND PIPING FROM PIPE BASEMENT VERTICALLY TO ABOVE GROUND FLOOR CEILING BEFORE OFFSETTING HORIZONTALLY TO CONNECT TO STANDPIPE TOWER.
 3. REMOVE EXISTING STANDPIPE DRAIN PIPE FROM EXTERIOR WALL PENETRATION TO STAIRWELL. DRAIN WILL BE REROUTED TO MOP BASIN IN HAC 0745.
 4. REMOVE 2" STANDPIPE DRAIN ROUTED ON EXTERIOR WALL. DRAIN SHALL BE REROUTED THROUGH NEW INTERSTITIAL LEVEL MECHANICAL ROOM AS SHOWN ON FPD11.

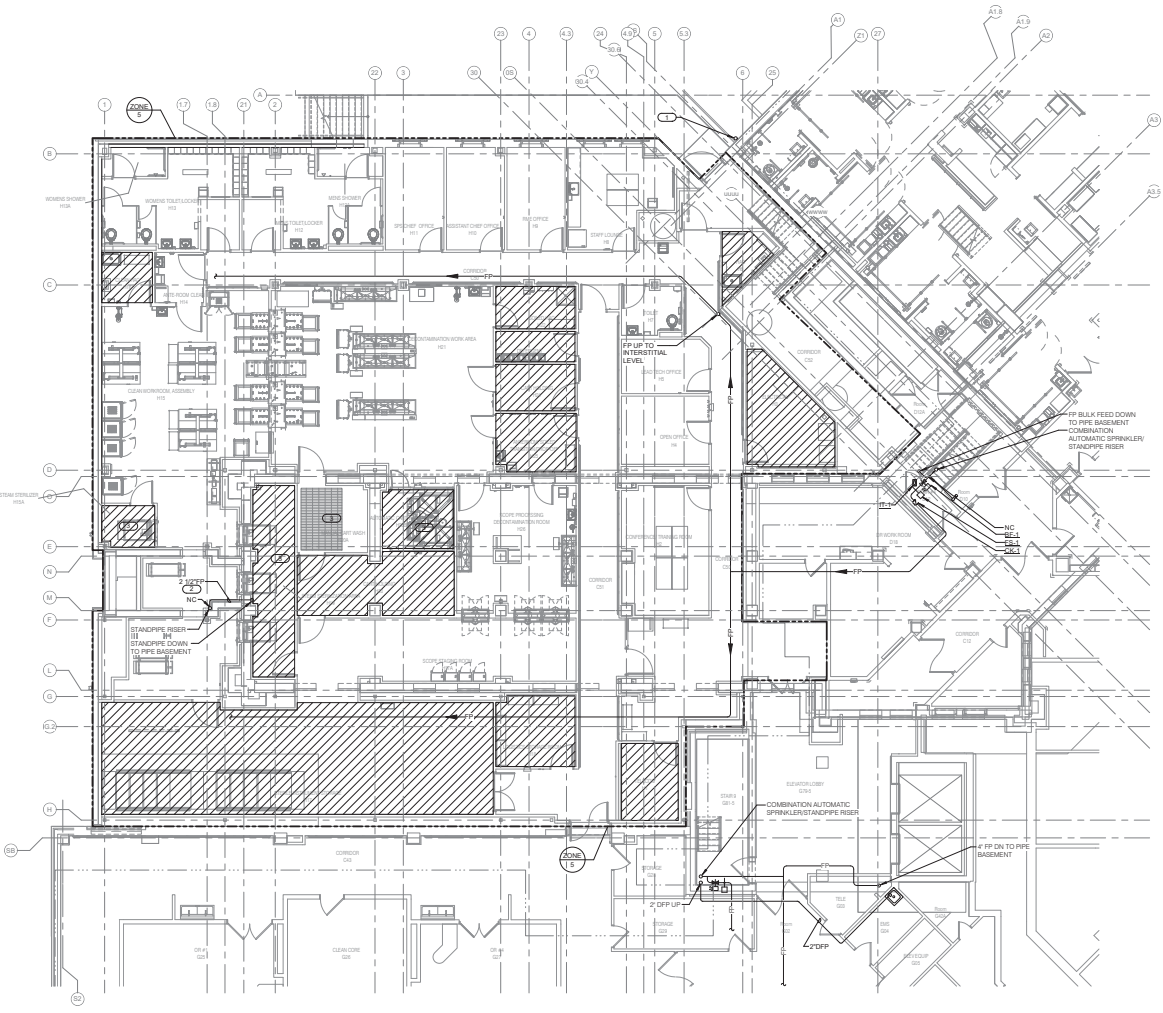


1 GROUND LEVEL DEMOLITION PLAN - FIRE PROTECTION

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Revisions: _____ Date: _____	CONSULTANT <small> IMEG CONSULTANTS 1000 S. DAWSON ST. SUITE 100 SIOUX FALLS, SD 57104 P 605.336.1111 WWW.IMEGCONSULTANTS.COM </small>	ARCHITECT/ENGINEER OF RECORD <small> 13605 3rd Ave. W. 8100 Plymouth, MN 55441 P 781.432.4080 F 781.432.4500 JAW@A.E.C.O. Anderson Engineering & Construction, LLC PWS # 16064 </small>	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title GROUND LEVEL DEMOLITION PLAN - FIRE PROTECTION	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460		
					Approved: _____	Fully Sprinklered FULLY SPRINKLERED	Location Sioux Falls, SD	Bidding Number 5		
							Issue Date 02/14/2025	Checked BLA0BR	Drawn DELLE	Drawing Number FPD101

- GENERAL FIRE PROTECTION NOTES:**
- REFERENCE FP00 - FIRE PROTECTION COVER SHEET FOR FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 - REFERENCE FP00FOR FIRE SPRINKLER USAGE SCHEDULE AND FIRE PROTECTION MATERIAL LIST.
 - REFERENCE FP040 FOR RATED FIRE BARRIER PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER LOCATIONS.
 - REFERENCE FP040FOR SPRINKLER PIPE HANGER DETAIL.
 - REFERENCE FP040FOR SPRINKLER HEAD MOUNTING DETAIL.
 - 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. 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 A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIALS, QUANTITIES, AND CATALOG NUMBERS THE FIRST MANUFACTURER IS THE BASIS OF ORDERING.
 - 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 INSTALLED WORKING DRAWINGS REQUIRED IN NFPA 13.
 - DRAWINGS SHOWING LOCATIONS OF EQUIPMENT AND 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 PRACTICAL BEING CONSTRUCTION AND THE WORK OF OTHERS WILL BEHIND.
 - 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 ALL 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 SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x2' CEILING TILES, CENTER SPRINKER A 2'x2' CEILING PATTERN IN ACCEPTABLE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
 - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL CEILING SERVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS.
- REVISIONS: (R)**
- 2" FPD UP - TERMINATE EPD THROUGH 48" ELEVATION OVER REAR-BLOCK ON GRADE.
 - EXTEND STANDPIPE FEED RISER UP FROM EXISTING GROUND LEVEL. SLAB PENETRATION TO ABOVE GROUND LEVEL. CEILING BEFORE RECONNECTING TO EXISTING STANDPIPE IN STAIRWELL. EXISTING STAIR TOWER NO LONGER HAS ACCESS TO THIS LEVEL OF THE FACILITY UNDER NEW WORK.
 - PROVIDE AN IMMEDIATE TEMPERATURE SENSITIVE SPRINKLER ADJACENT TO STEAM UTILIZING EQUIPMENT AND WHERE STEAM SPILLOUT MAY OCCUR.

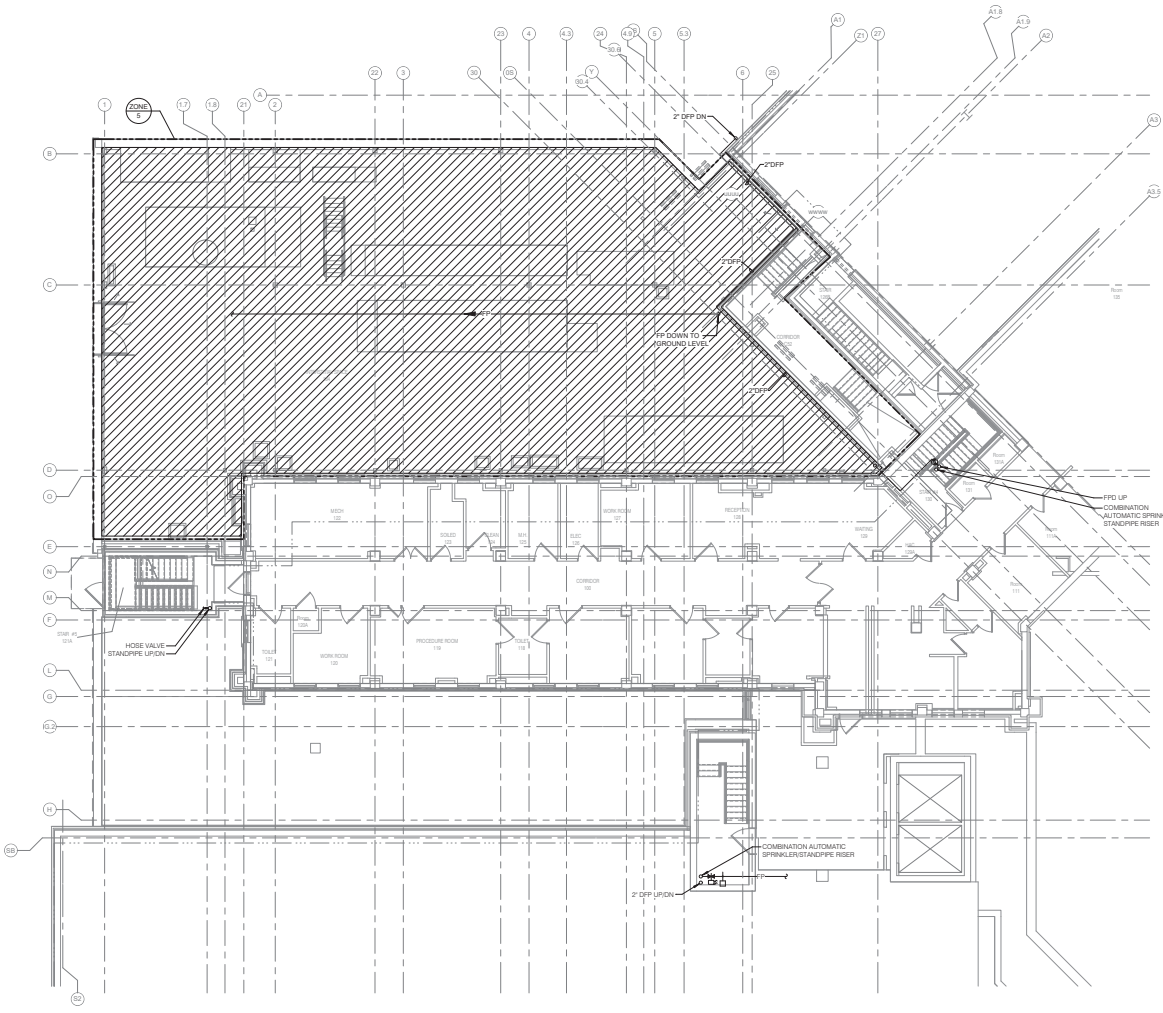


1 GROUND LEVEL FLOOR PLAN - FIRE PROTECTION
100% PLOT

Revisions: Date:	CONSULTANT IMEG <small>1860 Sycamore Avenue, Suite 100, Sluox Falls, SD 57456 P 605.438.4600 F 605.438.4601 www.imeg.com</small>	ARCHITECT/ENGINEER OF RECORD ANDERSON <small>1860 Sycamore Avenue, Suite 100, Sluox Falls, SD 57456 P 605.438.4600 F 605.438.4601 www.anderson-engineering.com</small>	STAMP 	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title GROUND LEVEL FLOOR PLAN - FIRE PROTECTION	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460	
					Approved:	FULLY SPRINKLERED	Location Sluox Falls, SD	Drawing Number 5	
						Issue Date 02/14/2025	Checked BLOABR	Drawn DELLE	Project Number FP101

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- GENERAL FIRE PROTECTION NOTES:**
1. REFERENCE FPD... FIRE PROTECTION COVER SHEET FOR FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 2. REFERENCE FPD/FOR FIRE SPRINKLER USAGE SCHEDULE AND FIRE PROTECTION MATERIAL LIST.
 3. REFERENCE FPD/FOR RATED FIRE BARRIER PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER PENETRATIONS.
 4. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
 5. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
 6. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
 7. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
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 14. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
 15. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.
 16. REFERENCE FPD/FOR PIPE THROUGH NON-RATED WALL DETAIL.



1 INTERSTITIAL/FIRST LEVEL FLOOR PLAN - FIRE PROTECTION

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

INTERSTITIAL/FIRST LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Location

Sioux Falls, SD

Issue Date

02/14/2025

Checked

BLA0BR

Drawn

DELLE

Project Number

438-460

Drawing Number

5

Drawing Number

FP111

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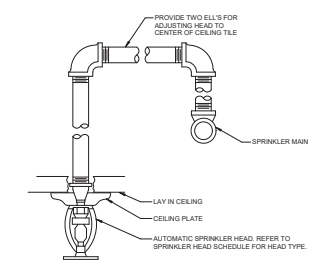
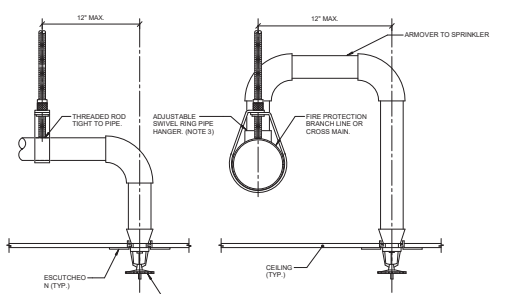
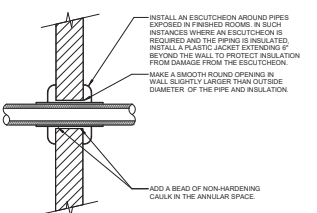
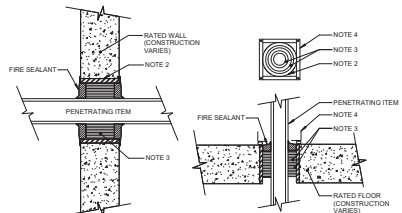
FIRE SPRINKLER USAGE SCHEDULE

NOTES:
 1. SEE FLOOR PLANS FOR ZONING REQUIREMENTS.
 2. SPRINKLER SHALL HAVE CEILING COVERED BULB THERMAL ELEMENT.
 3. ALL SPRINKLERS SHALL BE UL LISTED.
 4. CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CEILING PLAN AND NFPA 13 REQUIREMENTS.
 5. TO DO WORK PROXIMATE FOR CONTIGUOUS SPRINKLES IN SAME TALE, IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS. CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES TO BE USED.
 6. AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.
 7. SPRINKLERS SHALL HAVE A 30M QUICK RESPONSE BULB.
 8. SPRINKLERS SPECIFIED WITH FIRE SPRINKLER USAGE SCHEDULE ARE STANDARD COVERAGE TYPE. EXTENDED COVERAGE SPRINKLERS ARE PERMITTED PROVIDED SPRINKLERS MEET THE REQUIREMENTS OF UL AND FM.
 9. PROVIDE STANDARD RESPONSE SPRINKLER WITH FUSIBLE LINK AND MECHANICAL CAGE IN ELECTRICAL AND IT ROOMS.

AREA TYPE (NOTE 1 & 5)	AREA HAZARD	TAG NAME (NOTE 4 & 9)	SPRINKLER TYPE	RESPONSE CATEGORY	FINISH	TEMPERATURE RATING	MANUFACTURER & MODEL	NOTES
AREAS WITH CEILING OPEN TO STRUCTURE	SEE PLANS	SPR-2	UPRIGHT	QUICK	ROUGH BRASS	PER NFPA	VIKING, RELIABLE, TYCO, VICTALIC	NOTES 2, 3, 7 & 8
AREAS WITH SUSPENDED CEILING ELECTRICAL AND IT ROOMS	SEE PLANS	SPR-2	RECESSED PENDENT	QUICK	CHROME PLATED	PER NFPA	VIKING, RELIABLE, TYCO, VICTALIC	NOTES 2, 3, 7 & 8
	SEE PLANS	SPR-3	UPRIGHT	STANDARD	CHROME PLATED	PER NFPA	VIKING, RELIABLE, TYCO, VICTALIC	NOTES 2, 3, 7 & 9

FIRE PROTECTION MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
BF-1	INDICATING BUTTERFLY VALVE, NORMALLY OPEN, 175 PSI WWP, GROOVED TYPE DUCTILE IRON BODY WITH PROTECTIVE COATING, ELECTRODES MODEL OR EPDM COATED DUCTILE IRON DISC, STAINLESS STEEL STEM AND SCREWS, CAST OR DUCTILE IRON HANDWHEEL, EPDM SEAT, INDICATOR FLAG, FACTORY MOUNTED INTEGRAL MONITOR SWITCHES, ULFM.	IRBCO QD-FRS-30N, VICTALIC SERIES 700, TYCO BRY-300, SENNEDY 8330, GLOBE QLRS000, REL-8FG-300
CK-1	SWING CHECK VALVE, 300 PSI WWP, GROOVED/FLANGED TYPE, DUCTILE IRON BODY, STAINLESS STEEL, BRASS ASSOCIATED WITH RUBBER FACED CLAMPER, BRASS SEAT RING, ACCESS COVER, 1/2" OR 3/4" TAPPED BOSSES, VALVE LISTED FOR HORIZONTAL OR VERTICAL INSTALLATION, ULFM.	VIKING G-1, TYCO CY-IF
FB-1	FLOW SWITCH - WANE TYPE, 450 PSI, FLOW SENSITIVITY OF 4.5 GPM, TWO SINGLE POLE DOUBLE THROW SWITCHES, PNEUMATIC RETARD ADJUSTABLE FROM 60 SECONDS WITH AUTOMATIC RESET, NEMA 4 RISK/INDOOR RATED METAL HOUSING, ULFM.	POTTER VWR SYSTEM SENSOR WFD
IT-1	CORROSION RESISTANT TEST AND DRAIN VALVE, 300 PSI, INTEGRAL SIGHT GLASS, BALL VALVE PLATE INDICATING OFF-TEST/DRAIN POSITIONS, FURNISHED WITH TEST ORifice DIVING FLOW EQUIVALENT TO ONE SPRINKLER OF A TYPE HAVING THE SMALLEST ORifice INSTALLED ON THE SYSTEM.	GF 1911A, RELIABLE MODEL, TO VICTALIC TESTMASTER, GLOBE LTD W/ MODEL ARV PRV



1 FLOOR/WALL PENETRATION - RATED FIRE BARRIER

- NO SCALE
- NOTES:
- THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATINGS AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 01 05 01 FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
 - SCHEDULE A PIPE SLEEVE EXPOSED IN WALL OR FLOOR OR SMOOTH CORE DRILL, EACH CONTRACTOR FURNISHES SLEEVE TO G.C., COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED, WALL OR FLOOR IS BUILT. CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
 - INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
 - WATER TIGHT WELDED 1"x1/2" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME. BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.

2 WALL PENETRATION - NON-FIRE RATED

- NO SCALE
- NOTES:
- THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS. PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AIR TIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
 - SEE SPECIFICATION SECTION 11 13 FOR ADDITIONAL INFORMATION.
 - FLOOR OPENINGS ARE SIMILAR. SEE SPECIFICATION SECTION 01 13 FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.

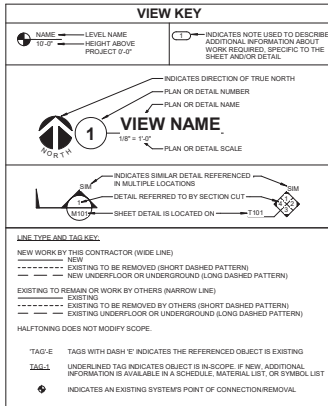
3 SPRINKLER PIPE HANGER DETAIL

- NO SCALE
- NOTES:
- THIS DETAIL APPLIES TO SPRINKLER PIPES ABOVE CEILING THAT SUPPLY PENDENT SPRINKLERS BELOW CEILING WHERE THE WATER PRESSURE EXCEEDS 100 PSIG (STATIC OR RESIDUAL).
 - ALSO APPLIES TO ARMOVER WHERE CUMULATIVE HORIZONTAL LENGTH IS GREATER THAN 12".
 - CLIP HANGERS AND ADJUSTABLE SWIVEL RING HANGERS WITH SURGE SUPPRESSOR OR RESTRAINING CLIP ARE ALSO ACCEPTABLE. SEE NFPA 13.

4 SPRINKLER HEAD MOUNTING DETAIL

- NO SCALE
- NOTES:

<p>Revisions:</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>											<p>DATE:</p>	<p>CONSULTANT</p> <p>IMEG</p> <p>1800 W. 10TH STREET SUITE 1000 MINNEAPOLIS, MN 55408 TEL: 612.338.1000 WWW.IMEG.COM PROJECT # 16080204</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON</p> <p>18605 3rd Ave. N., 8130 Plymouth, MN 55441 P 788.432.4080 F 788.432.4090 JAW@A-E.COM ANDERSON PROFESSIONAL GROUP, LLC PWS # 16080</p>	<p>STAMP</p> <p>PROFESSIONAL ENGINEER IN MECHANICAL ELECTRICAL & PLUMBING (M.E.P.) STATE OF MINNESOTA 10764</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>FIRE PROTECTION DETAILS</p> <p>Approved:</p>	<p>Phase</p> <p>BID DOCUMENTS</p>	<p>Project Title</p> <p>CONSTRUCT NEW SPS</p>	<p>Project Number</p> <p>438-460</p> <p>Building Number</p> <p>5</p> <p>Drawing Number</p> <p>FP400</p>
<p>Location</p> <p>St. Louis, MO</p> <p>Issue Date</p> <p>02/14/2025</p> <p>Checked</p> <p>BLA0BR</p> <p>Drawn</p> <p>DELLE</p>																			



APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL ADOPTIONS:

BUILDING CODE:	IBC 2021 EDITION
FIRE CODE:	IFC 2021 EDITION
PLUMBING CODE:	IPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
LIFE SAFETY CODE:	NFPA 101 2021 EDITION
ENERGY CONSERVATION CODE:	IECC 2021
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

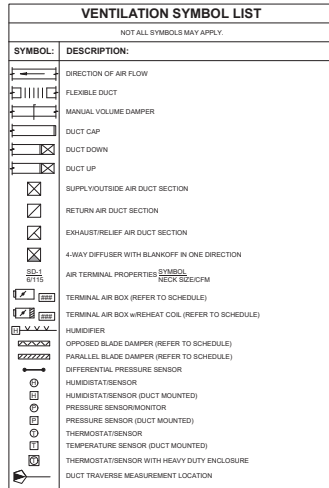
ABBR:	DESCRIPTION:
A.C.	ASSESSOR/ABATEMENT CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE
E.C.	ELECTRICAL CONTRACTOR
P.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.G.	TEMPERATURE CONTROLS CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER:	ERIC J. HENDERSON, PE
ELECTRICAL:	DELAN J. LEMLELLYN, PE
ELECTRICAL:	KRISTEN SPINA, PE
TECHNOLOGY:	DAMON M. DEHN

VENTILATION SHEET INDEX

NO.	DESCRIPTION
MV00	VENTILATION COVERSHEET
MV001	PIPE RISE/ABATEMENT PLAN - VENTILATION
MV010	GROUND LEVEL FLOOR DEMOLITION PLAN - VENTILATION
MV011	FIRST LEVEL DEMOLITION PLAN - VENTILATION
MV012	PIPE RISE/ABATEMENT FLOOR PLAN - VENTILATION
MV013	GROUND LEVEL FLOOR PLAN - VENTILATION
MV014	INTERSTITIAL FLOOR LEVEL FLOOR PLAN - VENTILATION
MV015	ROOF PLAN - VENTILATION
MV016	VENTILATION ENLARGED PLANS
MV020	VENTILATION ENLARGED PLANS
MV030	VENTILATION DETAILS
MV040	VENTILATION DETAILS
MV050	VENTILATION DETAILS
MV060	VENTILATION SCHEDULES
GRAND TOTAL 14	



VENTILATION ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
AFP	CONTROL FRESH/AIR DAMPER
DP (D-F)	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
FD	FIRE DAMPER
FSD	FRESH/AIR DAMPER
N.C.	NORMALLY CLOSED
NC	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
TY	TYPICAL
LON	UNLESS OTHERWISE NOTED

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO: FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING 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 BE TAKEN INTO ACCOUNT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM 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 TRADES. DO NOT PROCEED WITH INSTALLATION UNTIL 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.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO OWNER.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILING, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION. FIRE RATINGS, AND FINISH.
- IN AREAS WITH DRYWALL CEILING COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BEGINS WORK.
- SEAL ALL FLOOR WALL AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CALCULATE PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT MOISTURE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVES TERMINATED WITHIN THE TOP FLOOR RAISED ACCESS FLOOR SURFACE IN ACCORDANCE WITH ALL RELATED SPEC SECTIONS. SEAL SLEEVES PERMITTER TO BE WATER TIGHT.
- EQUIPMENT SIZES AND ACCESS CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. VERIFY THE EQUIPMENT WHICH IS NOT RENOVATED SHALL BE PROVIDED REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, EXISTING DUCTWORK AND EQUIPMENT SERVICE CLEARANCES.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM WORKING CLEARANCE OF 3' IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, TRANSFORMERS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN THE DESIGNATED EQUIPMENT SPACE DEFINED BY THE WIDTH/DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING. ELECTRICAL SYSTEMS IN SERVICE DURING ELECTRICAL DISTRIBUTION SYSTEMS ARE NOT ALLOWED IN THE DESIGNATED ELECTRICAL SPACE INCLUDING DUCTWORK, PIPING, ETC.
- PROVIDE CONCRETE EQUIPMENT PADS FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO: FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CORRECTIONS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CORRECTIONS WITHIN WORK. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION, RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FLOOR CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BEGINS OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BEGINNING WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRID ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BEGINNING WORK.
- 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, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REMOVE EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING REMOVAL ACTION.
- WHEN THE CONTRACTOR IS REQUIRED TO REMOVE EXISTING MECHANICAL INSTALLATIONS THAT ARE IDENTIFIED FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON, MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TEST AND SWITCHOVER. DRUM SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRIPPING SYSTEM MAKE CHANGES TO NEW SYSTEMS WITH MAINLINE OUTGAGE.
- DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN RENOVATED.

VENTILATION GENERAL NOTES:

- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN LENGTH, IN WHICH CASE THE BRANCH DUCT SHALL BE SIZED AT A PRESSURE DROP OF 0.25" W.G. PER 100' OF DUCTWORK.
- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE MAINLINE SIZE.
- ALON TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER.
- PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
- EXISTING AIR INLET AND OUTLET CM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS AND ARE NOT TO SCALE. EACH CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
- CERTAIN PERCENTAGE OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT. DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSAL JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.

TAB PRE-DEMOLITION NOTES:

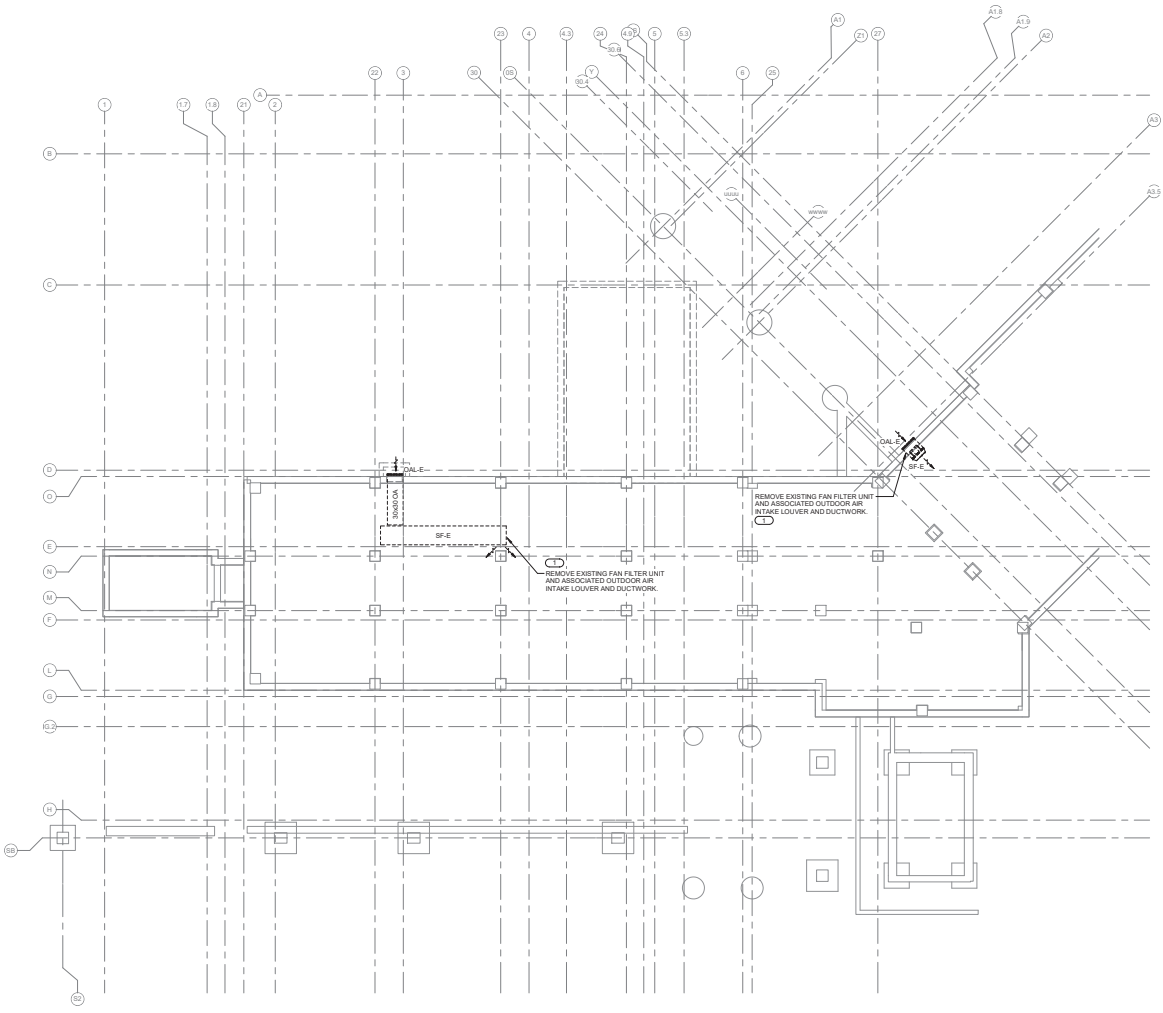
- BEFORE ANY DEMOLITION WORK IS BEGUN A COMPLETE AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR ON EXISTING AIR HANDLERS AND EXHAUST FAN SERVING AREAS AFFECTED BY CONSTRUCTION EQUIPMENT TO BE DEMOLISHED. TAB CONTRACTOR SHALL PROVIDE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
- PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THESE MEASUREMENTS SHALL BE INCLUDED IN THE PRE-DEMOLITION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE DRAWINGS. READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF FLOOR PLANS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLAN WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO READINGS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. DRAWINGS THAT ARE HAND-MARKED WITH RED INK ARE ACCEPTABLE, PROVIDED THEY ARE LEGIBLE.
- IN THE EVENT A DUCT TRAVERSE LOCATION IS MARKED ON THIS PLAN IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR READINGS AS REQUIRED TO DETERMINE THE AIRFLOW READING WHERE THE DUCT TRAVERSE SYMBOL IS SHOWN. IN THE EVENT TRAVERSES ARE TAKEN AT ALTERNATE LOCATIONS, TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
- TAKING A DUCT TRAVERSE READING AT EACH LOCATION WHERE A DUCT TRAVERSE SYMBOL IS SHOWN SHALL BE INCLUDED IN THE FINAL PRE-DEMOLITION TAB REPORT.
- TAB CONTRACTOR SHALL COMPLETE AND SUBMIT FOUR COPIES OF THE FINAL PRE-DEMOLITION REPORT WITHIN 30 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS.
- TAB CONTRACTOR SHALL PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THESE MEASUREMENTS SHALL BE INCLUDED IN THE PRE-DEMOLITION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE DRAWINGS. GRIFFS AND DESIGNATIONS ASSIGNED TO TRAVERSES, GRIFFS, AND DIFFUSERS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. SIMILAR ROOM NAMES, NUMBERS, OR DESIGNATIONS SHALL BE USED TO SIMPLIFY THE CROSS-REFERENCING OF READINGS TAKEN BETWEEN PRE-DEMOLITION AND POST-CONSTRUCTION REPORTS.
- BALANCING CONTRACTOR SHALL PERFORM AIR-BALANCE TESTING AT ALL AIR OUTLETS AND DUCT TRAVERSES TO VERIFY EXISTING AIRFLOW TO UNAFFECTED SPACES.

TAB POST-CONSTRUCTION NOTES:

- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL RE-BALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE DESIGN FLOW VALUES AND AIRFLOW RATES FOR CONSTRUCTION DRAWINGS.
- PROVIDE TAB REPORT WITH THE EQUIPMENT WHICH IS NOT RENOVATED SHALL BE BALANCED TO THE AIRFLOW RATES MEASURED BEFORE THE RENOVATION OCCURRED. REFER TO THE FINAL PRE-DEMOLITION REPORT FOR THE FINAL PRE-DEMOLITION REPORT.
- P DUCT TRAVERSE LOCATION AS MARKED ON THE DRAWINGS IS ACCESSIBLE FOR MEASUREMENT FOR THE CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR GRIFF READINGS AS REQUIRED TO DETERMINE THE FLOW RATE. IN THE EVENT TRAVERSES ARE TAKEN AT AN ALTERNATE LOCATION, TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
- A DUCT STATUS PRESSURE READINGS SHALL BE TAKEN AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND SHALL BE INCLUDED IN THE FINAL POST-CONSTRUCTION TAB REPORT.
- TAB CONTRACTOR SHALL COMPLETE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 28 09 03.
- THE FINAL POST-CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS.

CONSULTANT 		ARCHITECT/ENGINEER OF RECORD 		Office of Construction and Facilities Management 		Project Title VENTILATION COVERSHEET		Phase BID DOCUMENTS		Project Title CONSTRUCT NEW SPS		Project Number 438-460	
Revisions:		Date:		Approved:		Approved:		FULLY SPRINKLERED		Building Number 5		Drawing Number MV000	
Issue Date 02/14/2025		Checked DAVING		Drawn DELLE		Project Location Sioux Falls, SD		Project Location Sioux Falls, SD		Project Location Sioux Falls, SD		Project Location Sioux Falls, SD	

- GENERAL VENTILATION DEMOLITION NOTES:**
1. REFERENCE MV00 - VENTILATION COVERSHEET FOR VENTILATION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 2. 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.
 3. COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY SPECIFICATION SECTION 05 05 00.
 4. CONSTRUCTION WORK SHALL NOT BEGIN UNTIL SYSTEM LAYOUT DRAWINGS HAVE BEEN APPROVED BY THE S.C.J.R.
 5. CONTRACTOR SHALL MINIMIZE DOWNTIME OF EXISTING SYSTEMS BY INSTALLING NEW SYSTEMS PRIOR TO TYING INTO EXISTING SYSTEMS. THE C.O.R. A MINIMUM OF 24 HOURS PRIOR TO SYSTEM SHUTDOWN.
 6. DEMOLISH ALL EXISTING HANGERS, PULLEY, DAMPERS, AND ACCESSORIES ASSOCIATED WITH MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHOWN TO BE REMOVED ON THESE PLANS UNLESS OTHERWISE NOTED.
 7. DEMOLISH ALL EXISTING CONTROL DEVICES, WIRING, AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SHOWN TO BE REMOVED ON THESE PLANS UNLESS OTHERWISE NOTED.
 8. NOT ALL MECHANICAL DEMOLITION IS EXPLICITLY SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONFIRM EXTENT OF DEMOLITION AT SITE.
- KEYNOTES: (1)**
1. EXISTING FAN FILTER UNITS ARE UTILIZED TO TEMPER THE PIPE BASEMENT IN COOLING MONTHS WITHOUT A MEANS OF MECHANICAL COOLING BY SUPPLYING OUTDOOR AIR.



1 PIPE BASEMENT DEMOLITION PLAN - VENTILATION
1/8" = 1'-0"

2/14/2025 10:50:41 AM
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Revisions:	Date:

CONSULTANT

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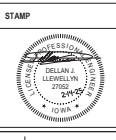
DATE: 02/14/2025
 PROJECT # 1606048

SCALE: AS SHOWN

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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 Anderson Engineering & Architecture, LLC | PEO # 16064



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

Drawing Title
PIPE BASEMENT DEMOLITION PLAN - VENTILATION

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
 Sioux Falls, SD

Project Number
438-460

Building Number
5

Drawing Number
MVD091

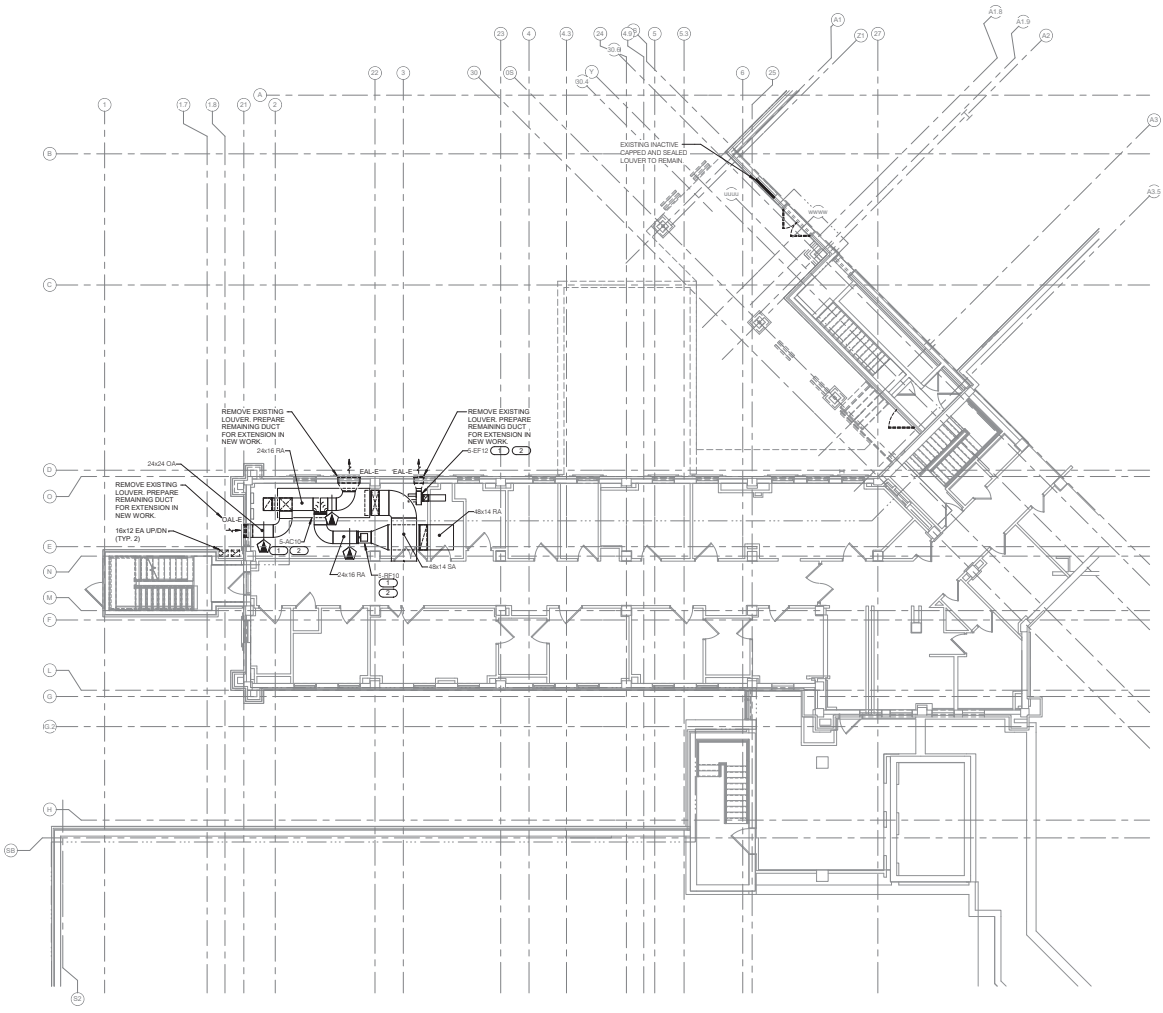
Issue Date 02/14/2025	Checked DAVING	Drawn DELLE
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GENERAL VENTILATION DEMOLITION NOTES:

- REFERENCE MVD00 - VENTILATION COVER SHEET FOR VENTILATION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 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.
- COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY SPECIFICATION SECTION 0510 UNTIL SYSTEM LAYOUT DRAWINGS HAVE BEEN APPROVED BY THE U.S.D.A.
- CONTRACTOR SHALL MINIMIZE DOWNTIME OF EXISTING SYSTEMS BY INSTALLING NEW SYSTEMS PRIOR TO TYING INTO EXISTING. NOTIFY THE C.O.R. A MINIMUM OF 24 HOURS PRIOR TO SYSTEM SHUTDOWN.
- DEMOLISH ALL EXISTING HANGERS, REGULATION, DAMPERS, AND ACCESSORIES ASSOCIATED WITH MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHOWN TO BE REMOVED ON THESE PLANS UNLESS OTHERWISE NOTED.
- DEMOLISH ALL EXISTING CONTROL DEVICES, WIRING, AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SHOWN TO BE REMOVED ON THESE PLANS UNLESS OTHERWISE NOTED.
- NOT ALL MECHANICAL DEMOLITION IS EXPLICITLY SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONFIRM EXTENT OF DEMOLITION AT SITE.

KEYNOTES: (1)

- PRIOR TO DEMOLITION OF EXISTING LOUVERS, AN AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING, AND BALANCING CONTRACTOR ON EXISTING 5-4-10, 5-4-12, AND 5-4-13 AIRFLOW AND DUCT PRESSURE READINGS SHALL BE RECORDED FOR THE INDICATED LOCATION. PRIOR TO DEMOLITION, THESE SYSTEMS SHALL BE RE-BALANCED TO THE PRE-DEMOLITION VALUE.
- DOWNTIME OF EXISTING MECHANICAL SYSTEMS 5-4-10, 5-4-12, AND 5-4-13 SHALL BE MINIMIZED BY INSTALLING NEW DUCTWORK AND HOODS TO THE GREATEST EXTENT POSSIBLE PRIOR TO DEMOLITION OF LOUVERS AND CHANGEOVER. INSTALL TEMPORARY FILTER MEDIA OVERSIES OUTSIDE AIR INTAKE. THE MECHANICAL CONTRACTOR SHALL COMPLETE ANY CLEANING REQUIRED FOR EXISTING SYSTEMS WHICH ARE AFFECTED BY CONSTRUCTION DUST AND DEBRIS.



1 FIRST LEVEL DEMOLITION PLAN - VENTILATION
10'-0" = 1"

2/14/2025 10:58:48 AM
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 2/14/2025 10:58:48 AM

Revisions:	Date:

CONSULTANT

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 NEWTON, MA 02459
 TEL: 617.552.1234
 WWW.IMEG.COM

MEG COMPANY DESIGNATED PROJECTS: INCLUDING COMMITMENTS TO THIS CONTRACT AND THE DESIGN PROFESSIONAL'S OBLIGATIONS AND RESPONSIBILITIES AS SET FORTH IN THE PROFESSIONAL CONTRACT DOCUMENTS. THIS COMPANY'S DESIGN PROFESSIONAL'S OBLIGATIONS ARE LIMITED TO THE DESIGN SERVICES PROVIDED HEREIN.

PROJECT # 18062818A

DATE: 02/14/2025

ARCHITECT/ENGINEER OF RECORD

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 Anderson Engineering & Architecture, LLC | P&Q # 16504

STAMP

PROFESSIONAL SEAL
 MARY ELLEN LEWELLEN
 2785
 2/14/25
 10/14

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL DEMOLITION PLAN - VENTILATION

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD

Issue Date
02/14/2025

Checked
DAVING

Drawn
DELLE

Project Number
438-460

Bidding Number
5

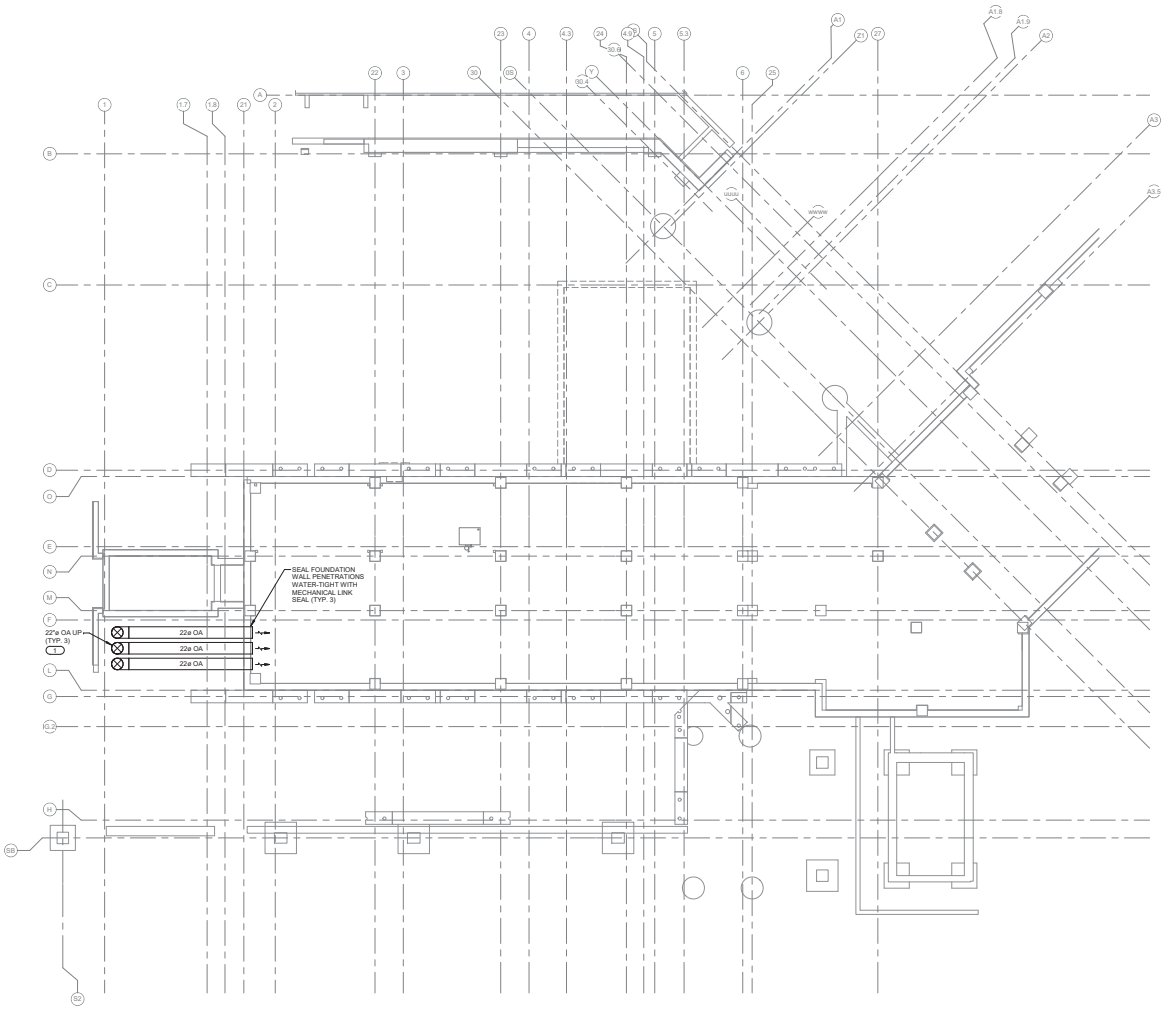
Drawing Number
MVD112

GENERAL VENTILATION NOTES:

1. REFERENCE M900 - VENTILATION COVER SHEET FOR VENTILATION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION. REFERENCE M900 FOR VENTILATION SCHEDULES.

REMARKS: (R)

1. OUTSIDE AIR DUCTWORK SHALL TRANSITION TO FIBERGLASS REINFORCED MATERIAL PRIOR TO SLAB PENETRATION AND SHALL REMAIN AS SUCH WHILE UNDERGROUND THROUGH THE FOUNDATION WALL PENETRATION IN THE PIPE BASEMENT. SLOPE HORIZONTAL UNDERGROUND DUCTWORK TOWARD THE PIPE BASEMENT. REFERENCE SPECIFICATION SECTION 23 31 00 FOR ADDITIONAL INFORMATION.



1 PIPE BASEMENT FLOOR PLAN - VENTILATION
10' = 1" (1/8" = 1')

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 2414025 02/14/2025
 VA FORM 08-0231

Revisions:	Date:

CONSULTANT

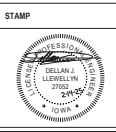
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Office of
 Construction
 and Facilities
 Management

VA U.S. Department
 of Veterans
 Affairs

Drawing Title
PIPE BASEMENT FLOOR PLAN - VENTILATION

Approved:

Phase
BID DOCUMENTS

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD

Issue Date
02/14/2025

Checked
DAVING

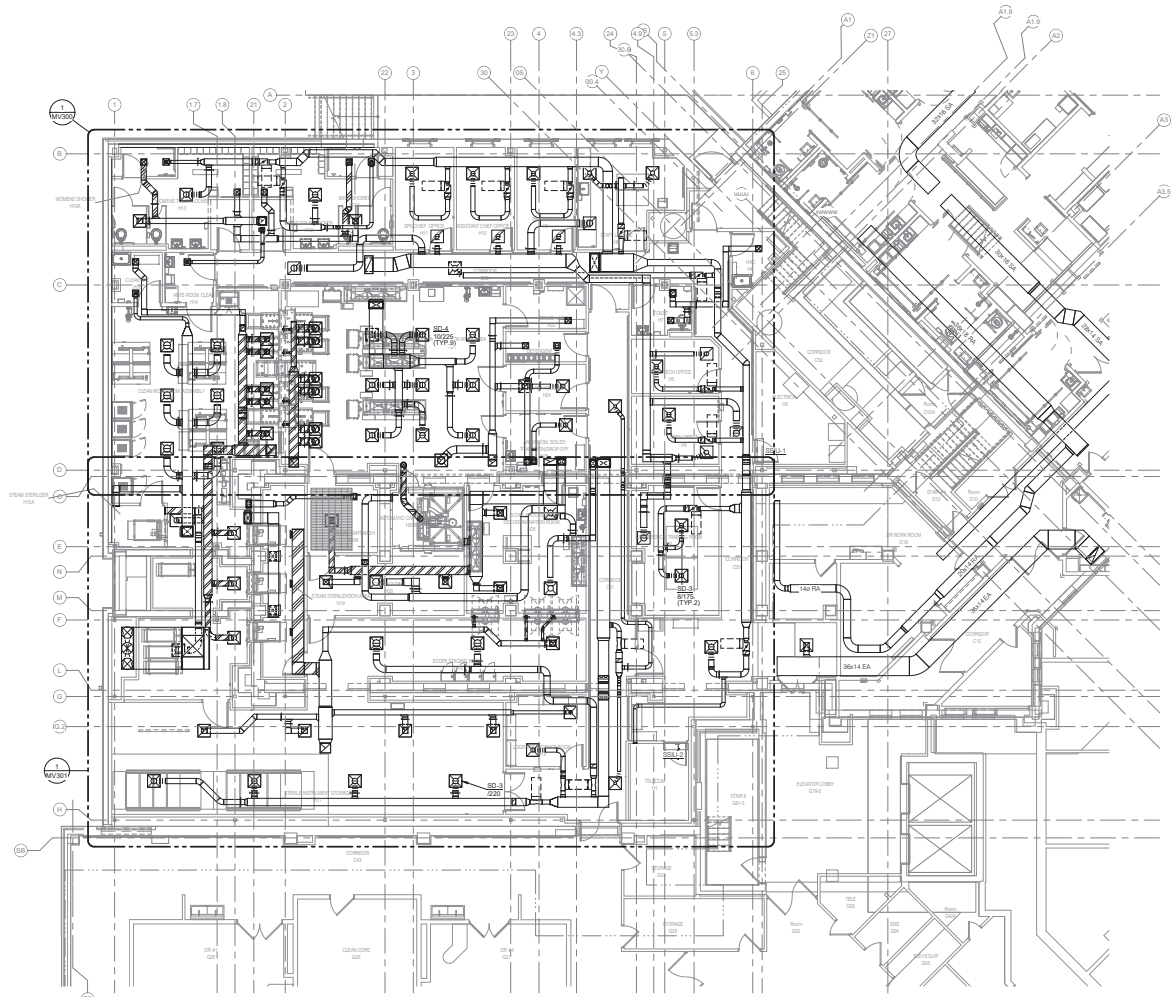
Drawn
DELLE

Project Number
438-460

Building Number
5

Drawing Number
MV091

- GENERAL VENTILATION NOTES:**
1. REFERENCE MV600 - VENTILATION COVER SHEET FOR VENTILATION SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPRESSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
 3. REFERENCE MV600 FOR VENTILATION SCHEDULES.



1 GROUND LEVEL FLOOR PLAN - VENTILATION
1/8" = 1'-0"

2/14/2025 10:20:00 AM
 2/14/2025 10:20:00 AM
 2/14/2025 10:20:00 AM

Revisions:	Date:

CONSULTANT

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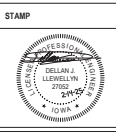
PROJECT # 1805000001

SCALE: AS SHOWN

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND LEVEL FLOOR PLAN - VENTILATION
Approved:	

Phase	BID DOCUMENTS
	FULLY SPRINKLERED

Project Title	CONSTRUCT NEW SPS
Location	Sioux Falls, SD
Issue Date	02/14/2025
Checked	DAVING
Drawn	DELLE

Project Number	438-460
Building Number	5
Drawing Number	MV101

