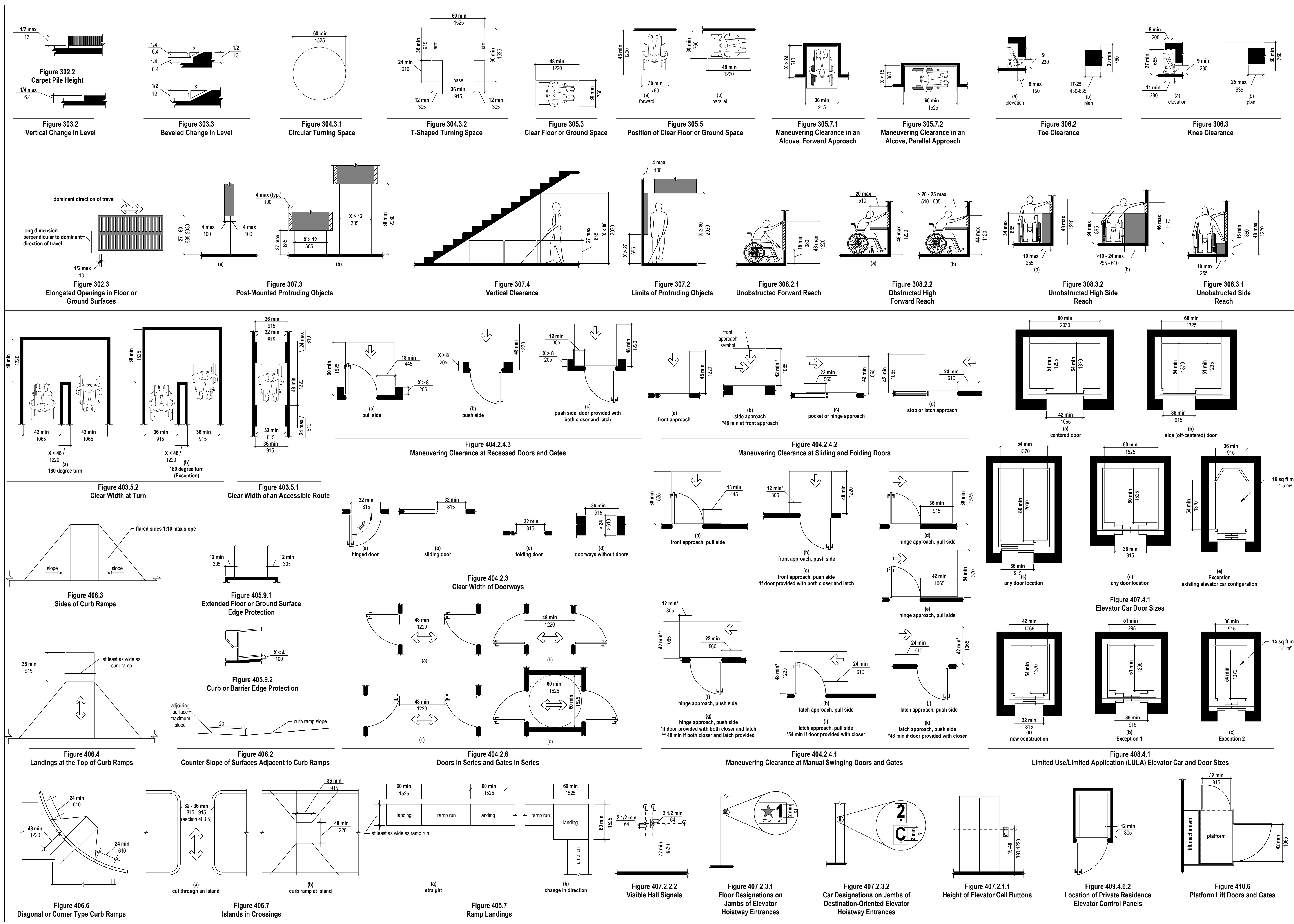


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

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ALL BOLD DIMENSIONS ARE SHOWN IN INCHES.
ALL LIGHT DIMENSIONS ARE SHOWN IN MILLIMETERS.

Revision#	Description	Date:

CONSULTANTS
MECHANICAL / ELECTRICAL / PLUMBING:
WPE
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TODD STONE

STONE GROUP ARCHITECTS

STAMP
REGISTERED ARCHITECT
TODD STONE
SIOUX FALLS, SD
10-26-20

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

Drawing Title
ACCESSIBILITY DETAILS
Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS

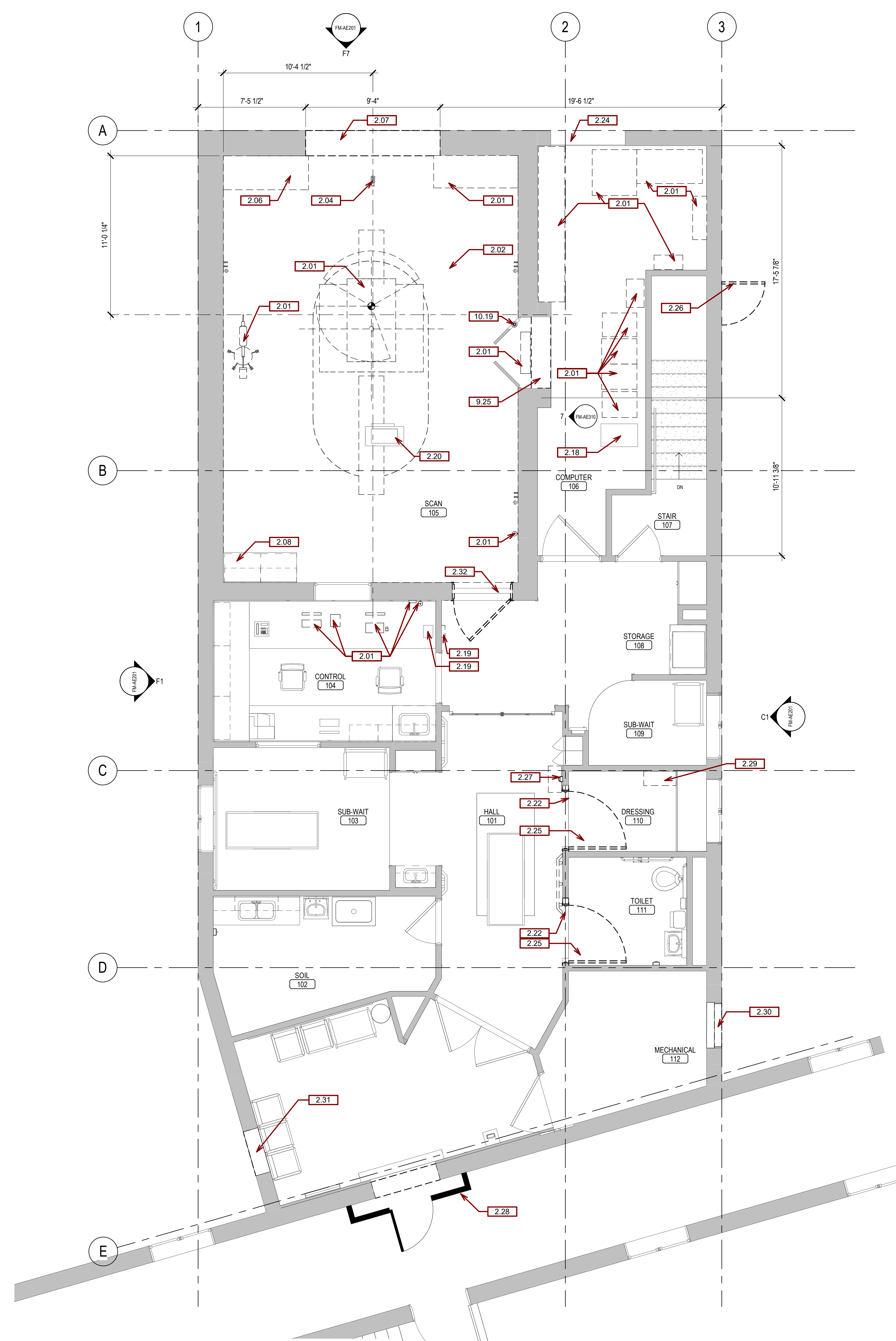
Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC
Location
FORT MEADE & HOT SPRINGS, SD
Issue Date
11/04/2020
Checked
TRS
Drawn
JHK

Project Number
VA #568-CSI-301
SGA #201910
Building Number
165 & 12
Drawing Number
G001

COMMUNICATION ELEMENTS AND FEATURES

ALL BOLD DIMENSIONS ARE SHOWN IN INCHES.
ALL LIGHT DIMENSIONS ARE SHOWN IN MILLIMETERS

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



GENERAL DEMOLITION NOTES:

- A. REFER TO MECHANICAL DRAWINGS FOR RELATED DEMOLITION OF MECHANICAL/PLUMBING CONSTRUCTION.
- B. REFER TO ELECTRICAL DRAWINGS FOR RELATED DEMOLITION OF ELECTRICAL CONSTRUCTION.
- C. PATCH TO MATCH SPRAY-ON FIREPROOFING DAMAGED OR REMOVED FROM STRUCTURAL MEMBERS DURING DEMOLITION.
- D. PATCH ABANDONED OPENINGS AND PENETRATIONS RELATED TO MECHANICAL AND ELECTRICAL DEMOLITION.
- E. PROTECT SURROUNDING ROOMS NOT UNDER CONSTRUCTION FROM DUST AND DEBRIS. THESE ROOMS ARE NOT TO BE USED BY ANY CONTRACTOR FOR ANY PURPOSE.
- F. FURNISHINGS OR EQUIPMENT IN AREA OF WORK ARE TO BE REMOVED AND TURNED OVER TO OWNER, UNLESS NOTED OTHERWISE. DISPOSE OF ALL ITEMS NOT WANTED BY OWNER.
- G. MAINTAIN ACCESS TO ALL EXITS DURING CONSTRUCTION.
- H. WORK TIME RESTRICTIONS:
 - 1. WORK WILL BE SHUT DOWN AS REQUIRED FOR STAFF/PATIENT NEEDS OR NOISE ISSUES.
 - 2. CORRIDORS AND CORRIDOR ACCESS TO ROOMS MUST BE MAINTAINED AT ALL TIMES (EXCEPT POSSIBLY OUTSIDE BUSINESS HOURS WHEN WORK COULD BE COORDINATED AND COMPLETED).
 - 3. WORK MUST BE COORDINATED WITH THE IMMEDIATE REINSTATEMENT OF FINISHES SO CORRIDORS DO NOT REMAIN IN AN UNFINISHED STATE.
 - 4. REINSTALL CEILING TILE AT END OF EACH SHIFT WHERE CEILING WORK OCCURS OUTSIDE OF 1-HOUR CONSTRUCTION BARRIERS.
- I. MAINTAIN NEGATIVE AIR PRESSURE IN AREAS OF WORK.
- J. EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND SHALL NOT BE CONSTRUED "AS BUILT". CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- K. COORDINATE DEMOLITION WORK WITH PHASING PLANS AND OWNER FOR SCHEDULE OF OCCUPANCY.
- L. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ALL EXISTING EQUIPMENT AND FURNITURE ITEMS THAT ARE TO BE SALVAGED OR REINSTALLED PRIOR TO THE COMMENCEMENT OF DEMOLITION.
- M. ALL SURFACES AFFECTED BY DEMOLITION TO BE CLEANED AND PREPARED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING.
- N. REMOVE ALL FLOORING FINISHES AND BASE. PREPARE SLAB AND EXISTING WALLS TO REMAIN TO RECEIVE NEW FINISHES.
- O. CONTRACTOR BUILDING ACCESS DURING EACH PHASE IS TO BE COORDINATED WITH VA COR.
- P. ALL CONSTRUCTION BARRIER WALLS MUST BE 2-HOUR RATED W/ 90 MINUTE RATED DOORS. VERIFY RATING OF EXISTING WALLS USED AS CONSTRUCTION BARRIERS. ALL PENETRATIONS TO BE FIRESTOPPED.

SGA KEYNOTES

KEY VALUE	KEYNOTE TEXT
2.01	EXISTING MRI EQUIPMENT TO BE REMOVED BY OTHERS. SYSTEM FILTER BOX TO REMAIN.
2.02	DEMO FLOORING. PREP FOR NEW FINISHES.
2.03	DEMO SOFFIT.
2.04	REMOVE CAMERA. COORDINATE W/ ELEC.
2.06	REMOVE MILL WORK AND REINSTALL.
2.07	DEMO EXISTING KNOCK-OUT PANEL.
2.08	EXISTING CABINETS TO REMAIN.
2.18	EXISTING AEC CABINET (CEILING LIGHTING) TO REMAIN.
2.19	EXISTING DOOR CONTROL (CEILING LIGHTING) TO REMAIN.
2.20	EXISTING AEP PROJECTOR (CEILING LIGHTING) TO REMAIN.
2.22	DEMO EXISTING WALL AS REQUIRED FOR NEW DOOR.
2.24	DEMO EXISTING WALL FOR UPS INSTALLATION. PREP WALL OPENING FOR FUTURE KNOCKOUT PANEL.
2.25	DEMO WOOD DOOR AND HOLLOW METAL FRAME.
2.26	DEMO METAL DOOR AND HOLLOW METAL FRAME.
2.27	DEMO EXISTING FLOOR MOUNTED FERRO SCANNER. RETURN TO THE VA.
2.28	2 HOURS CONTRACTOR CONSTRUCTION BARRIER WITH 90-MINUTE EXIT DOOR. CONSTRUCT BARRIER WITH 3 1/2" STUD PLUS 2 LAYERS 5/8" FIRECODE OPP EA. SIDE.
2.29	SALVAGE EXISTING WALL CABINET FOR RELOCATION OVER BENCH. REF FLOOR PLAN.
2.30	DEMO EXISTING MECHANICAL LOUVER. REF MECHANICAL.
2.31	DEMO EXISTING WALL AS REQUIRED FOR NEW MECHANICAL LOUVER. REF MECHANICAL.
2.32	DEMO EXISTING RF SHIELDED DOOR TO SCAN ROOM. RETAIN CONTACT SWITCHES AND OTHER ELECTRICAL.
2.33	REMOVE EXISTING PANEL CEILING AS NECESSARY TO CONDUCT WORK ABOVE FOR DISMANTLING EXISTING AND INSTALLING NEW MRI CABLING AND EQUIPMENT. COORDINATE W/ VENDORS. REINSTALL AND REPLACE DAMAGED TO MATCH.
2.34	REMOVE EXISTING ACT CEILING AS NECESSARY TO CONDUCT WORK ABOVE FOR DISMANTLING EXISTING AND INSTALLING NEW MRI CABLING. COORDINATE W/ VENDORS. REINSTALL AND REPLACE DAMAGED TO MATCH.
2.35	REMOVE EXISTING ACT CEILING AS NECESSARY TO ROUTE NEW DUCTWORK TO EXTERIOR WALL. SEE MECHANICAL.
2.36	REMOVE EXISTING ACT CEILING AS NECESSARY TO COMPLETE WORKS TO ENLARGE DOOR OPENINGS.
2.37	DEMO EXISTING CEILING MOUNTED CRAC UNIT AND REMOVE SUPPORTS AND PLUMBING PER MECHANICAL DRAWINGS.
9.25	MODIFY OPENING FOR RF FILTER PLATE. SEE MRI VENDOR DRAWINGS FOR VENDOR SUPPLIED MRI-CABLING FILTER PANEL.
10.19	EXISTING QUENCH VENT RF FILTER ABOVE ACOUSTIC CEILING. LOCATION TO REMAIN. COORDINATED CONNECTIONS WITH NEW MRI.

F1 1ST LEVEL RCP DEMOLITION PLAN
1/4" = 1'-0"

F6 1ST LEVEL DEMOLITION PLAN
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

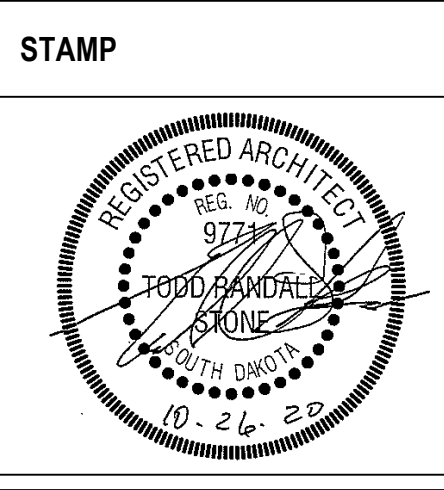
MECHANICAL / ELECTRICAL / PLUMBING:
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605-271-1144
TODD STONE

STONE GROUP ARCHITECTS



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FORT MEADE-1ST LEVEL DEMOLITION PLAN & RCP

Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC

Location
FORT MEADE & HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
TRS

Drawn
JHK

Project Number
VA #568-CSI-301
SGA #201910

Building Number
165 & 12

Drawing Number
FM-AD101

A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.

B. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.

C. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.

D. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.

E. PROVIDE AND MAINTAIN ACCESS TO ALL EXISTING UTILITIES. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.

F. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRLS, OR OTHER ITEMS ATTACHED TO WALLS.

G. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE CEMENT BACKER BOARD AT ALL PORCELAIN & CERAMIC TILE LOCATIONS.

H. GBA COMPLIANT PARTS SHALL BE USED FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PARTS.

I. HEIGHT OF OPERATIONAL, OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.P. SEE SPECIAL G-002.

J. WINDOWS TYPES, SEE SCHED.

K. ALL WALLS ARE WALL TYPE A2 U IN U.

L. SEE ENLARGED FLOOR PLANS FOR UNIT WALL TYPES.

M. PROVIDE CONTIGUOUS JOINTS IN DEPTHS. PROVIDE 3/8" JOINTS EVERY 30'-0".

N. ALL DIMENSIONS ARE TO OUTSIDE OF WALL FRAMING.

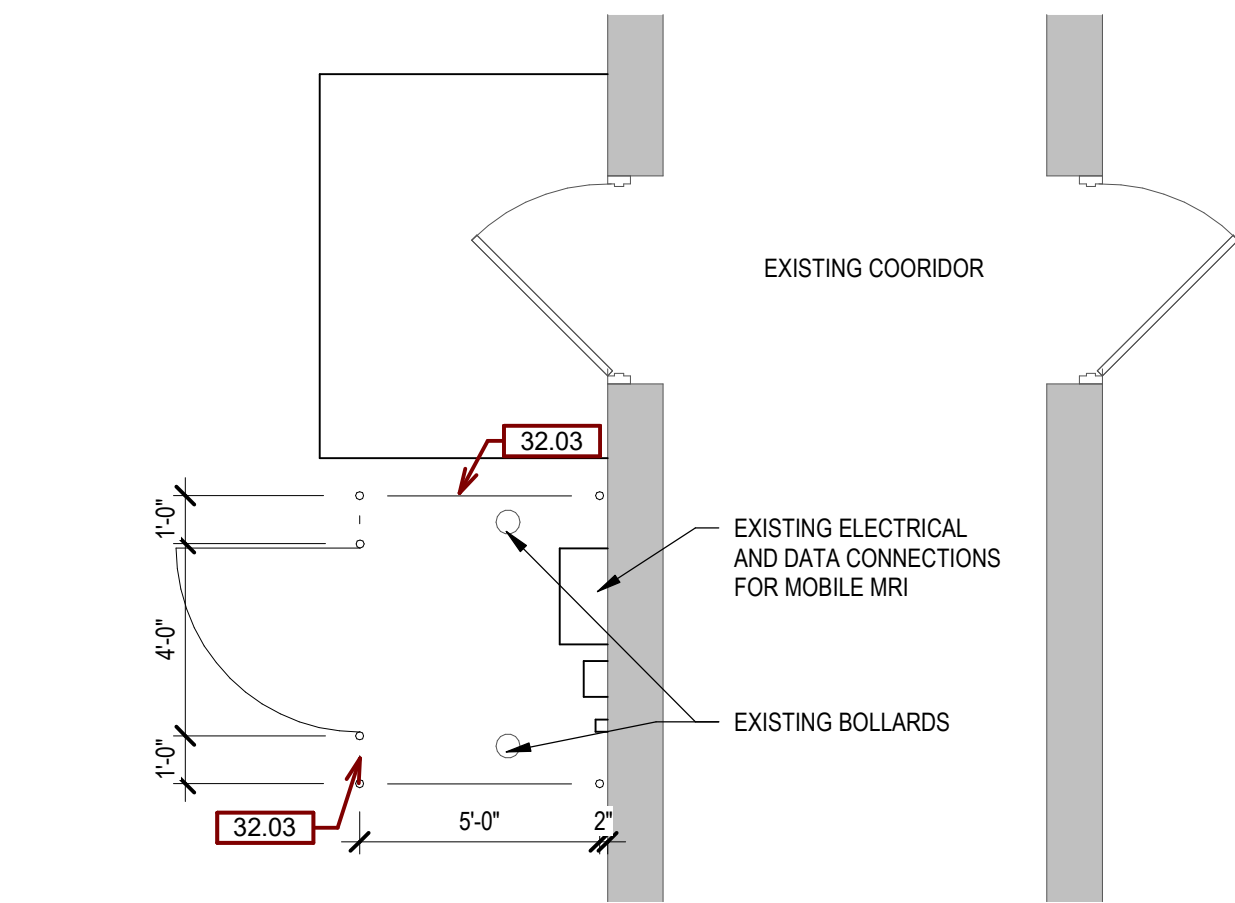
O. FOR THE FLOOR INSTALLATION: CONTRACTOR TO USE MANUFACTURERS DETAILS.

P. MECHANICAL, ELECTRICAL, & PLUMBING SHALL BE IN ACCORDANCE WITH THE LATEST CODES FOR ADDITIONAL INFORMATION.

Q. FOUNDATION INSULATION AND WATERPROOFING TO BE STEPPED TO MATCH GRADE, PER CIVIL DRAWINGS.

R. RF SHIELDING TO BE PROVIDED BY RF SHIELDING VENDOR.

N	Project Title MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC			Project Number VA #568-C5I-301 SGA #201910	
	Location FORT MEADE & HOT SPRINGS; SD			Building Number 165 & 12	
	Issue Date 11/04/2020	Checked TRS	Drawn JHK	Drawing Number FM-AE001	



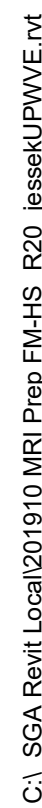
F6 FOUNDATION FLOOR PLAN
1/4" = 1'-0"

CONSULTANTS	
<p>MECHANICAL / ELECTRICAL / PLUMBING</p> <p>WPE WEST PLAINS ENGINEERING, INC.</p> <p>West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-349-7455</p>	<p>STRUCTURAL:</p> <p>Albertson Engineering Inc.</p> <p>Albertson Engineering, Inc. 3202 W. Main St. #C Rapid City, South Dakota 57702 Phone: 605-343-9606</p>

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC		
Location FORT MEADE & HOT SPRINGS, SD		
Issue Date 11/04/2020	Checked TRS	Drawn JHK

Project Number VA #568-CSI-301 SGA #201910
Building Number 165 & 12
Drawing Number FM-AE001



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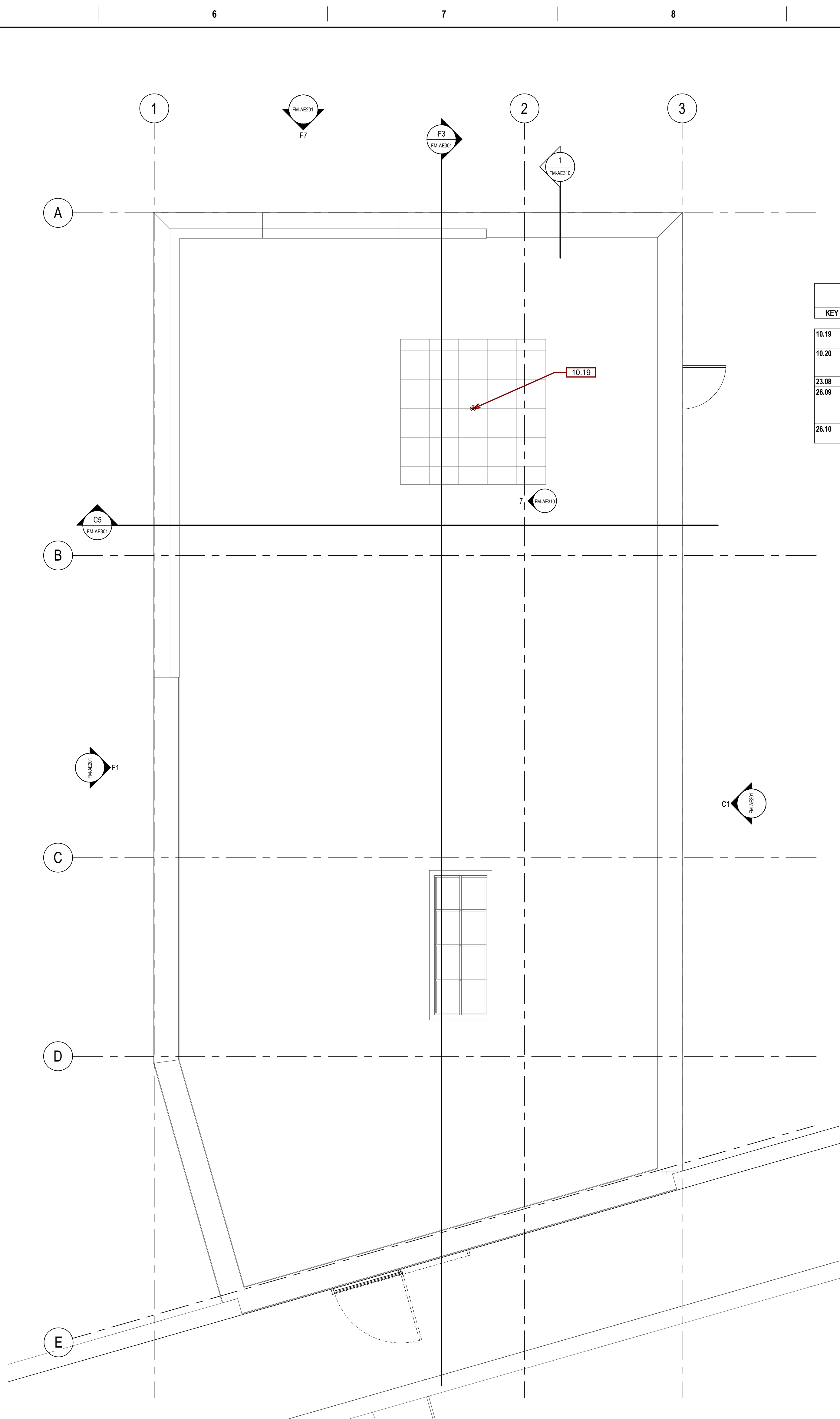
<h2 style="text-align: center;">364 KEYNOTES</h2>	
KEY VALUE	KEYNOTE TEXT
6.07	INSTALL SALVAGED WAL CABINET. PATCH PREVIOUS HOLE A.F.F. LOCATED AS CLOSE TO EXTERIOR WALL AS POSSIBLE WHILE LEAVING ROOM FOR RIGHT SIDE DOOR TO OPEN FULL 90 DEGREES.
8.04	INSTALL NEW HOLLOW METAL FRAME AND WOOD DOOR. SEE DOOR SCHEDULE.
8.04A	INSTALL NEW HOLLOW METAL FRAME AND HOLLOW METAL DOOR. COORD. ELECTRICAL. SEE DOOR SCHEDULE.
8.06	INSTALL NEW ALUMINUM FRAME MOUNTED SLIDING DOOR. COORD. ELECTRICAL.
8.07	INSTALL NEW R/F SHIELDED DOOR. DESIGN BY RF CONTRACTOR. COORDINATE W ELECTRICAL.
9.16	GYP SOFFIT. SEE RCP.
9.24	RELOCATE OPENING IN SPUNDED CEILING.
9.25	WALL OPENING FOR RF FILTER PLATE. SEE MR VENDOR DRAWINGS FOR VENDOR SUPPLIED MR-CABLING FILTER IN PANEL.
9.36	CONSTRUCT WALL AS FUTURE KITCHEN OUT PANEL.
9.31	PATCH FLOORING TO MATCH EXISTING WOOD PLANK FLOORING. -WF-1.
10.21	EXISTING QUONCH VENT RF FILTER ABOVE ACOUSTIC CEILING. LOCATION TO REMAIN. COORDINATED CONNECTIONS WITH NEW MRI.
10.29	MRI EQUIPMENT TETHER, NON-FERROUS WALL ANCHOR POINTS. SEE DETAIL.
11.01	INSTALL NEW FERROUS SCANNER.
23.06	INSTALL NEW MECHANICAL DOOR. SEE MECH TO COORDINATE.
23.07	NEW MRI CHILLER - SUPPLIED AND DELIVERED TO A LOADING DOCK BY SIEMENS. CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR MOVING FROM LOADING DOCK TO FINAL LOCATION AND COMPLETING ALL CONNECTIONS. SIEMENS PROJECT MANAGER WILL SCHEDULE CHILLER STARTUP TO COINCIDE WITH MRI STARTUP.


CONSULTANTS	
<p>MECHANICAL / ELECTRICAL / PLUMBING:</p> <p>WPE <small>WEST PLAINS ENGINEERING INC.</small></p> <p>West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455</p>	<p>STRUCTURAL:</p> <p>Albertson Engineering Inc.</p> <p>Albertson Engineering, Inc. 3202 W. Main St., #C Rapid City, South Dakota 57702 Phone: 605-343-9606</p>

Drawing Title	
FORT MEADE-1ST LEVEL FLOOR PLAN & RCP	
Approved:	

Project Title		
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC		
Location		
FORT MEADE & HOT SPRINGS, SD		
Issue Date	Checked	Drawn
11/04/2020	TRS	JHK

Project Number VA #568-CSI-301 SGA #201910
Building Number 165 & 12
Drawing Number FM-AE101



 **F6** **ROOF PLAN**
1/4" = 1'-0"

Project Number VA #568-CSI-301 SGA #201910
Building Number 165 & 12
Drawing Number FM-AE120

A. PROVIDE SEALANT AT ALL INTERIOR AND EXTERIOR JOINTS BETWEEN DIFFERENT MATERIALS, TRANSITIONS, AND ACCORDING TO INDUSTRY STANDARDS AND MANUFACTURER'S SPECIFICATIONS.

B. VENT STACKS AS REQUIRED. SEE MANUFACTURER.

C. THERE SHALL BE A SEPARATE RF ROOM PENETRATION PANEL FOR NON-SIEMENS EQUIPMENT. THE OUTSIDE EQUIPMENT MANUFACTURER (OEM) WILL SPECIFY ANY AND ALL FILTER AND PENETRATION REQUIREMENTS.

KEY VALUE		KEYNOTE TEXT
10.19	EXISTING QUIENT VENT NR FL FILTER ABOVE ACOUSTIC CEILING. LOCATION TO REMAIN, COORDINATED CONNECTIONS WITH NEW MRI.	
10.20	INSTALL CLOSET DOORS TO CONCEAL THE FILTER PLATE AND CABLE CONNECTIONS. A 3/4" CLEARANCE IN FRONT OF PANEL IS REQUIRED FOR SERVICE AND CABLING. DOORS THAT OPEN TO PROVIDE THE ACCESS ARE ACCEPTABLE.	
23.08	NEW FLOOR MOUNTED CRAC UNIT. SEE MECHANICAL.	
26.06	UPS IS SUPPLIED AND DELIVERED TO CUSTOMER'S LOADING DOCK BY SIEMENS. CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR MOVING FROM LOADING DOCK TO FINAL LOCATION AND COMPLETING ALL CONNECTIONS. SIEMENS PROJECT MANAGER WILL SCHEDULE UPS STARTUP PRIOR TO DELIVERY OF SIEMENS IMAGING EQUIPMENT.	
26.10	CONTRACTOR TO PROVIDE REMOTE COUNTER CPU SUPPORT FOR MRI COMPUTER; COORDINATE WITH SIEMENS REPRESENTATIVE.	

GENERAL ELEVATION NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- B. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
- C. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
- D. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- E. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- F. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- G. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- H. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE DURAROCK®.
- I. ALL PORCELAIN & CERAMIC TILE LOCATIONS.
- J. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F.

SGA KEYNOTES	
KEY VALUE	KEYNOTE TEXT
4.01A	INFILL AT DEMOLISHED LOUVER LOCATION W/ LIKE CONSTRUCTION, BRICK TO MATCH EXISTING
9.26	WALL
23.06	CONSTRUCT WALL AS FUTURE KNOCK OUT PANEL.
23.06	INSTALL NEW MECHANICAL LOUVER. SEE MECH TO COORDINATE.

C1 EAST ELEVATION
1/4" = 1'-0"

F7 NORTH ELEVATION
1/4" = 1'-0"

F1 WEST ELEVATION
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

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605-271-1144
TODD STONE



STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

FORT MEADE-ELEVATIONS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FORT MEADE & HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

TRS

Drawn

JHK

Project Number

VA #568-CSI-301
SGA #201910

Building Number

165 & 12

Drawing Number

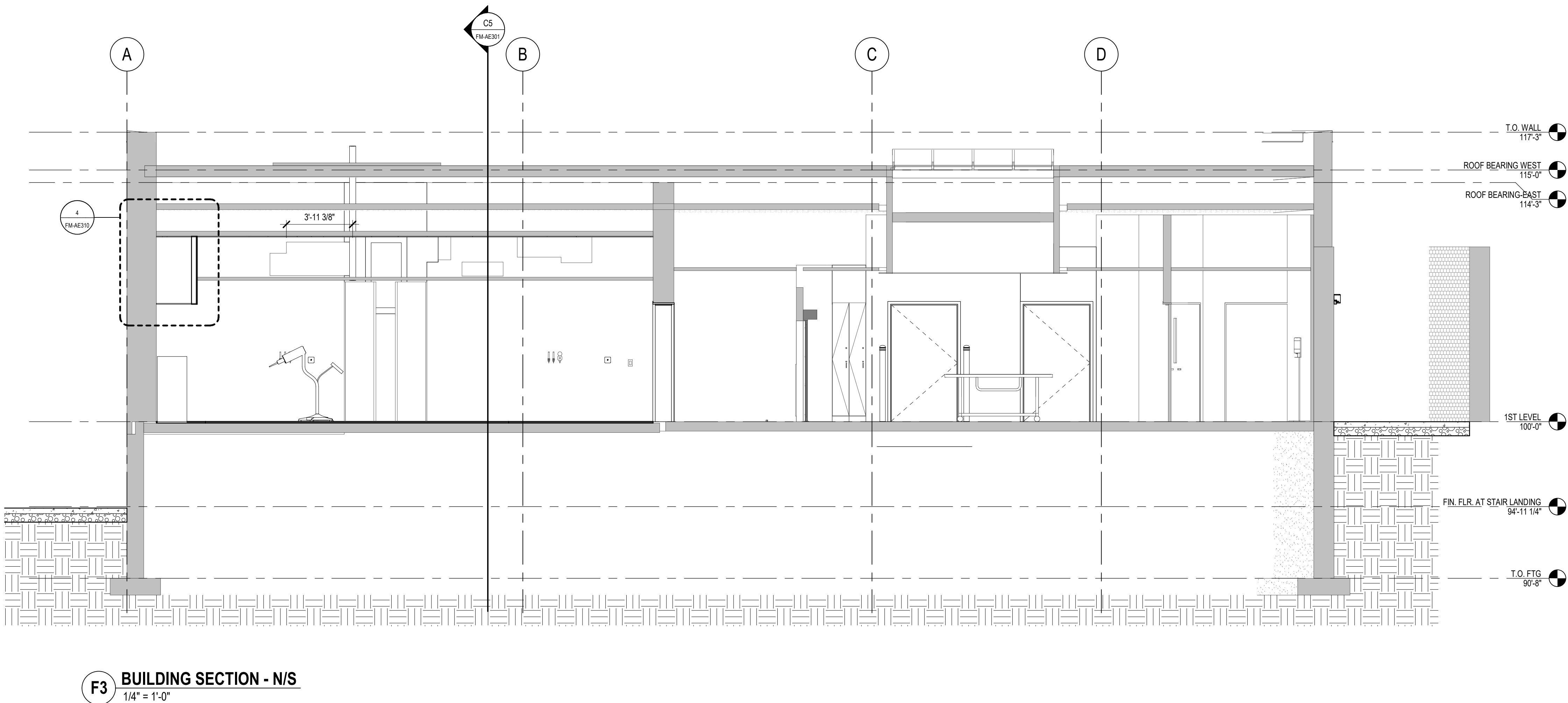
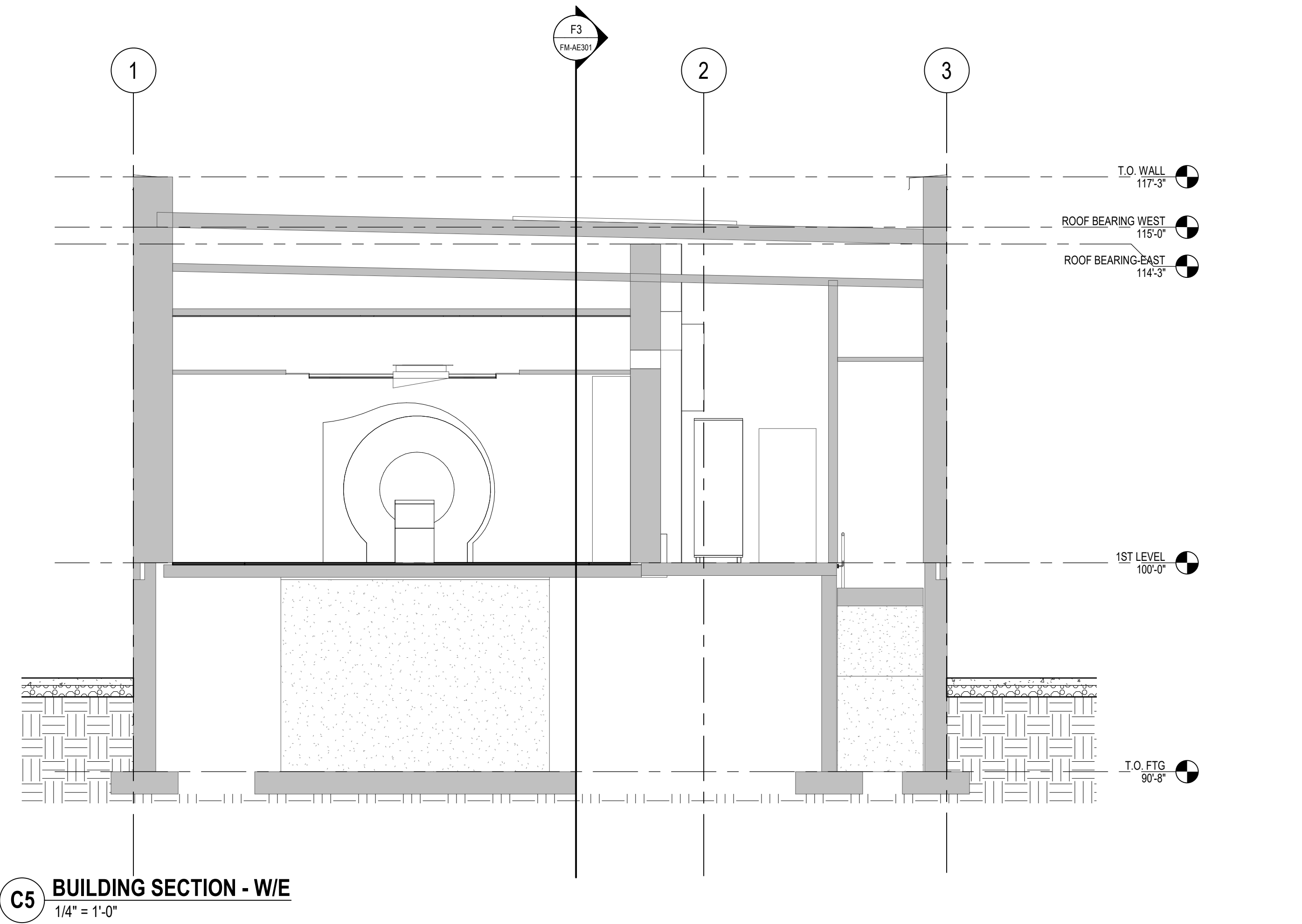
FM-AE201

GENERAL WALL TYPE NOTES:

- A. SEE WALL NOTES ON SHEET FM-AE101.
B. PROVIDE NON FERROUS METAL FASTENERS AT ALL WALL COMPONENTS AT SCAN ROOM. MUST MEET KRISSEIENS STANDARDS.
C. RF ENCLOSURE SUPPLIER WILL PROVIDE AND INSTALL THE RF ENCLOSURE.
D. RF SHIELDING PROVIDER WILL PROVIDE AND INSTALL THE 2X2 WOOD STUD WALL.
E. CONTRACTOR WILL PROVIDE AND INSTALL THE PARENT WALL.
F. PARENT WALL (INTERIOR SIDE) 2 LAYERS OF SOUND DAMPING WALL PANELS SHALL BE FINISHED TO A LEVEL 2 FINISH (TAPE AND JOINT COMPOUND UNSANDED).
G. SEE SPECIFICATION FOR INSTALLATION OF SOUND DAMPING PANELS AND FIRE RATED PANELS.
H. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
I. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
J. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
K. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
L. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
M. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
N. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
O. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE CEMENT BACKER BOARD AT ALL PORCELAIN & CERAMIC TILE LOCATIONS.
P. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS.
Q. K. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F.
R. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
S. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.

SGA KEYNOTES

KEY VALUE	KEYNOTE TEXT
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Revision#	Description	Date:

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ARCHITECT OF RECORD

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STONE GROUP ARCHITECTS

600 E 7TH STREET

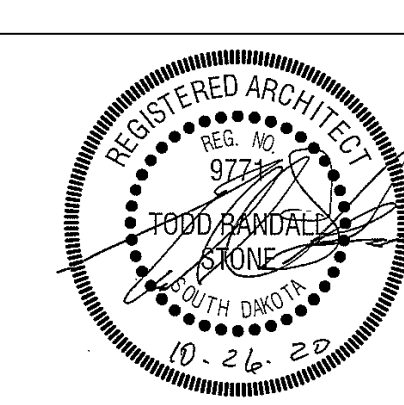
SIoux FALLS, SD 57103

605-271-1144

TODD STONE



STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

FORT MEADE-BUILDING SECTIONS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FORT MEADE & HOT SPRINGS, SD

Issue Date

11/04/2020

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Project Number

VA #568-CSI-301
SGA #201910

Building Number

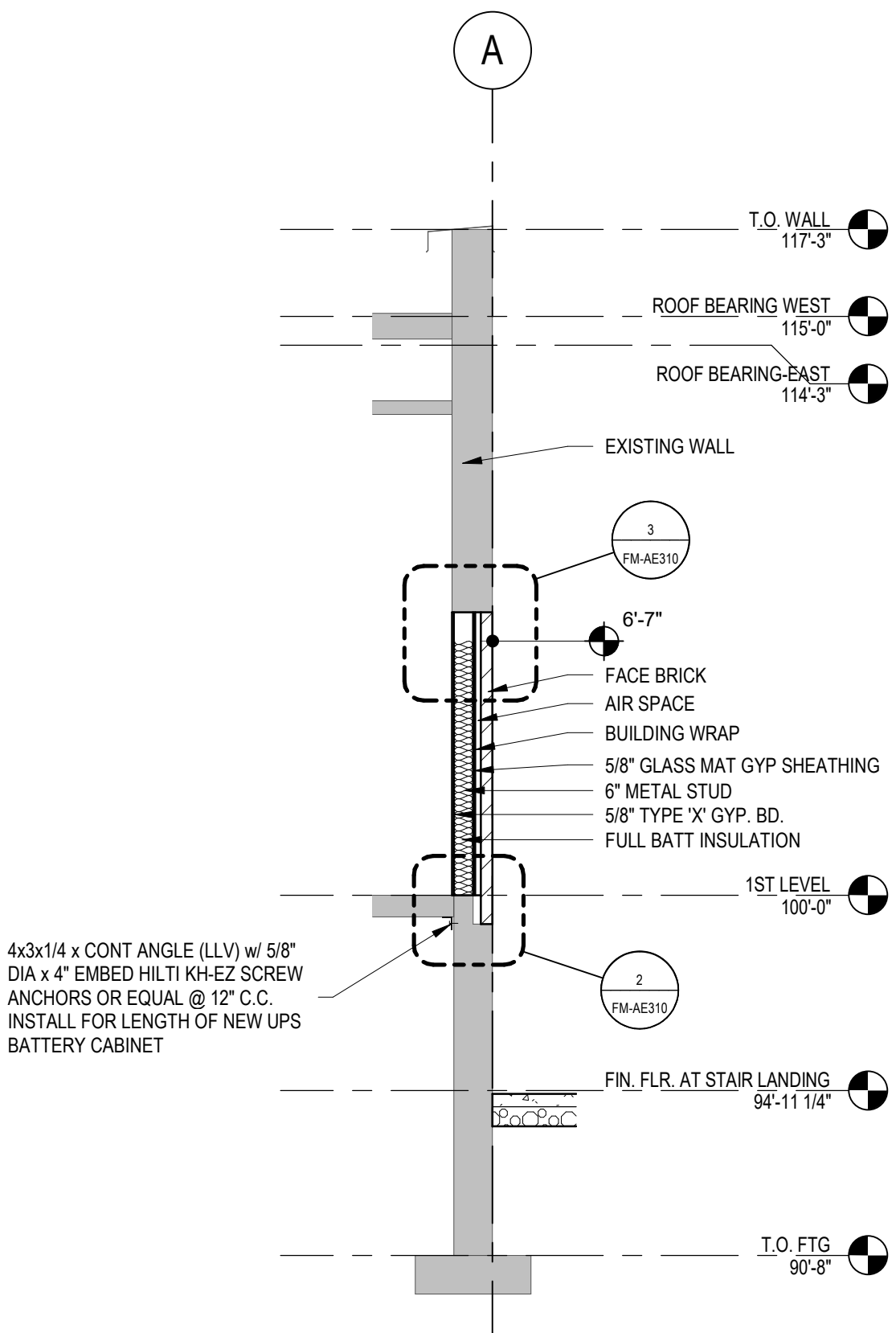
165 & 12

Drawing Number

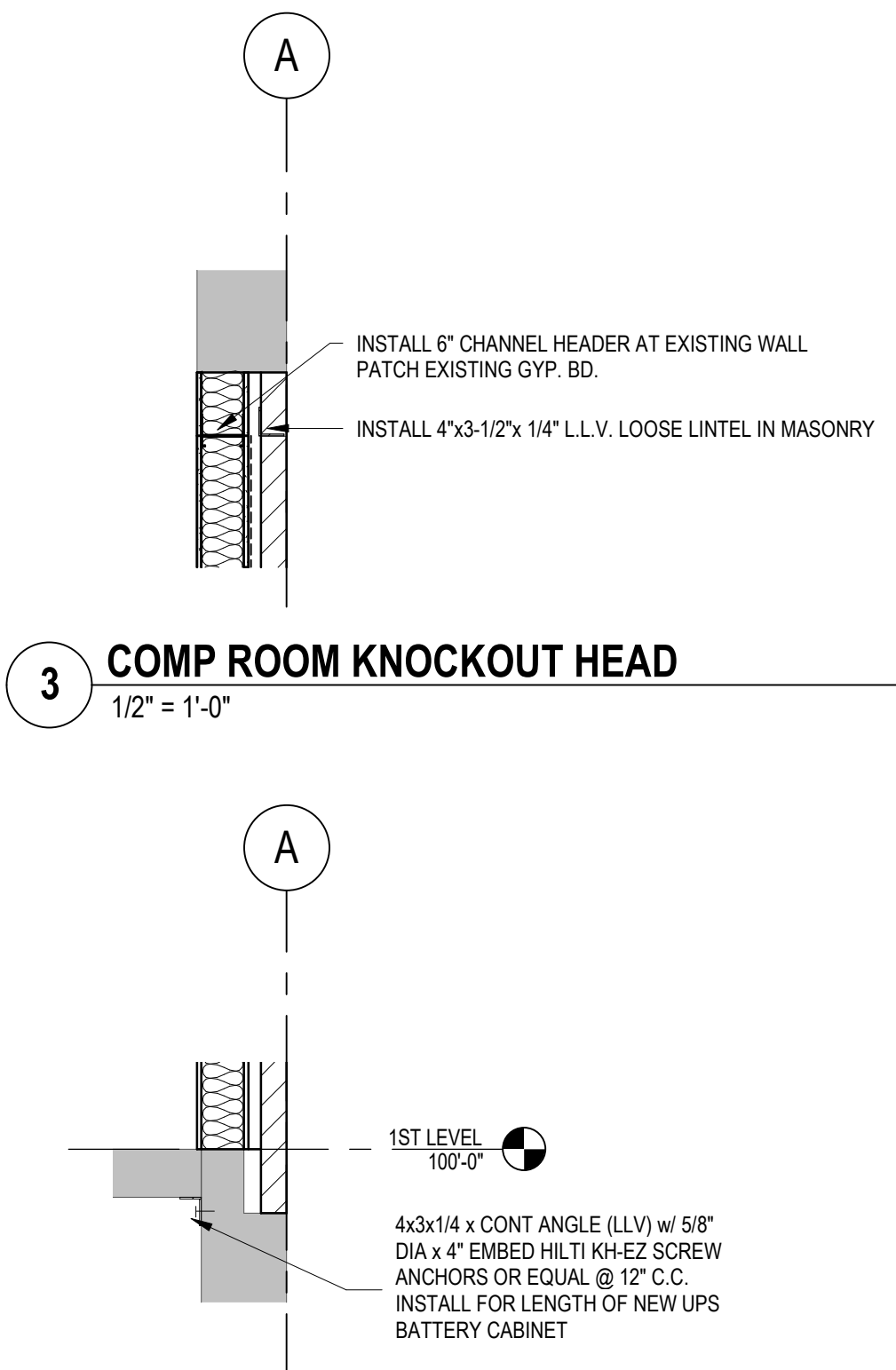
FM-AE301

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

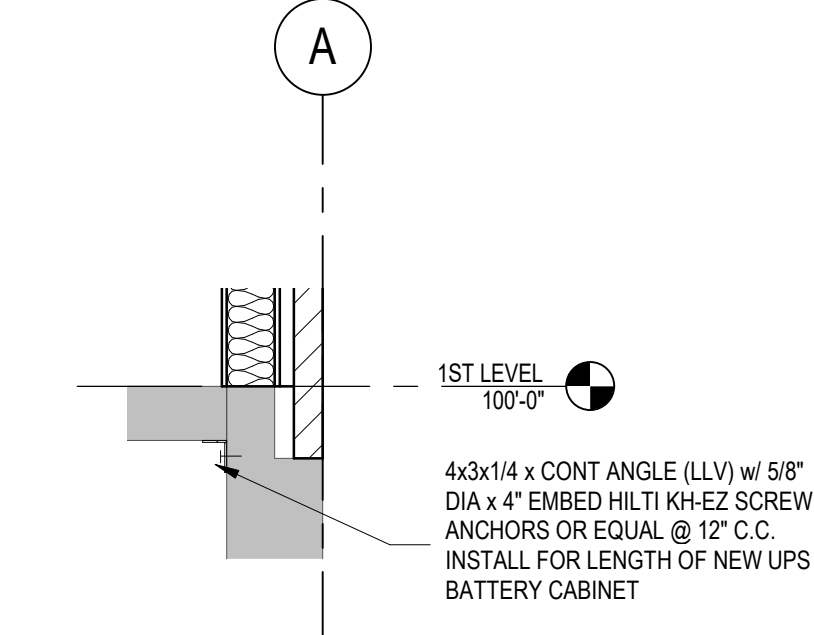
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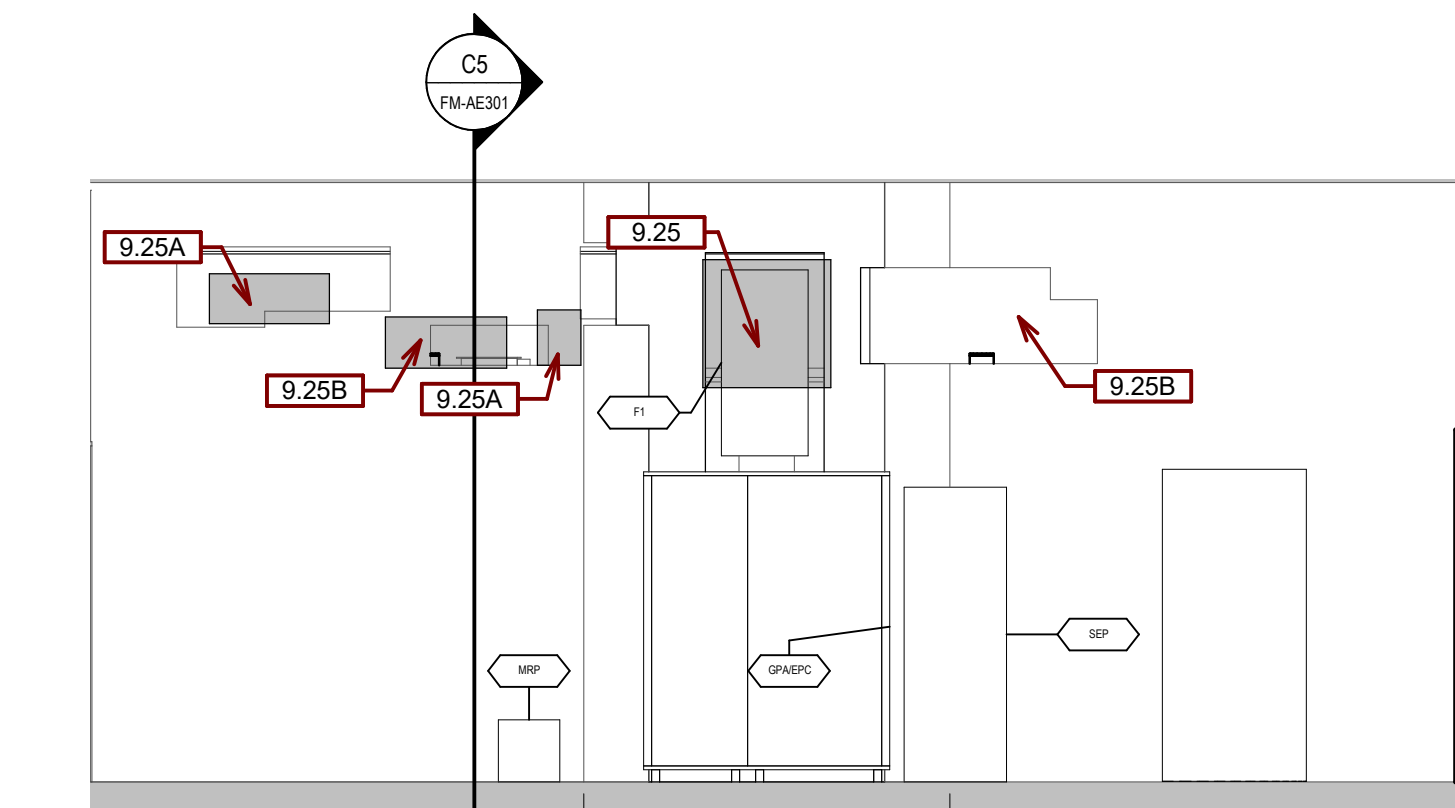
1 COMPUTER ROOM KNOCKOUT WALL
1/4" = 1'-0"



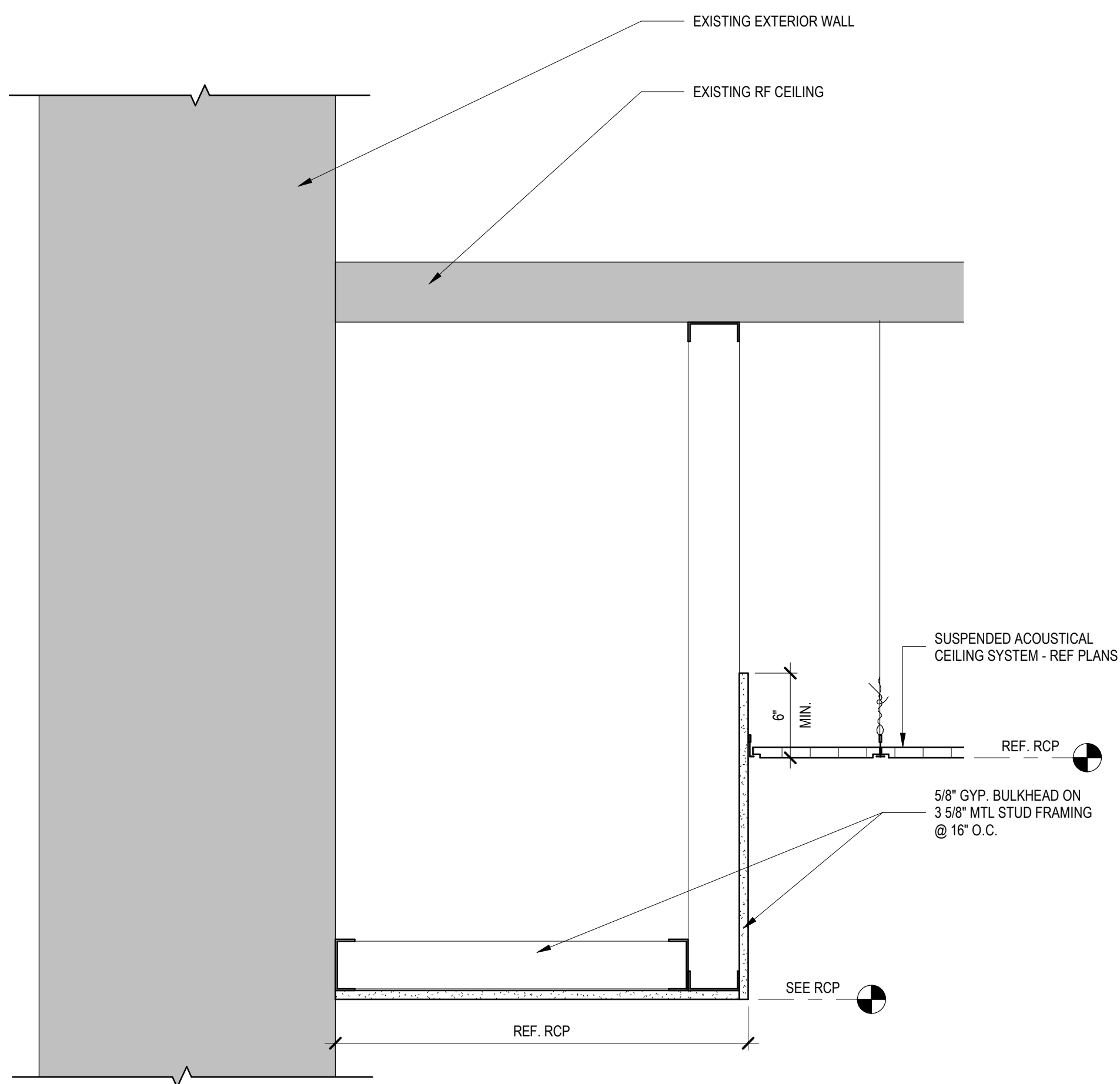
3 COMP ROOM KNOCKOUT HEAD
1/2" = 1'-0"



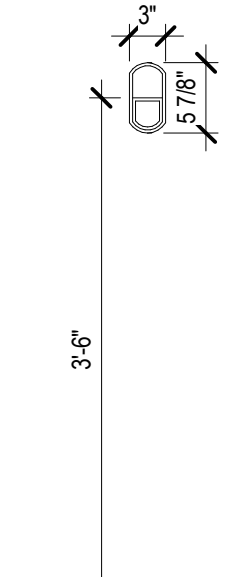
2 COMP ROOM FLOOR REINFORCEMENT
1/2" = 1'-0"



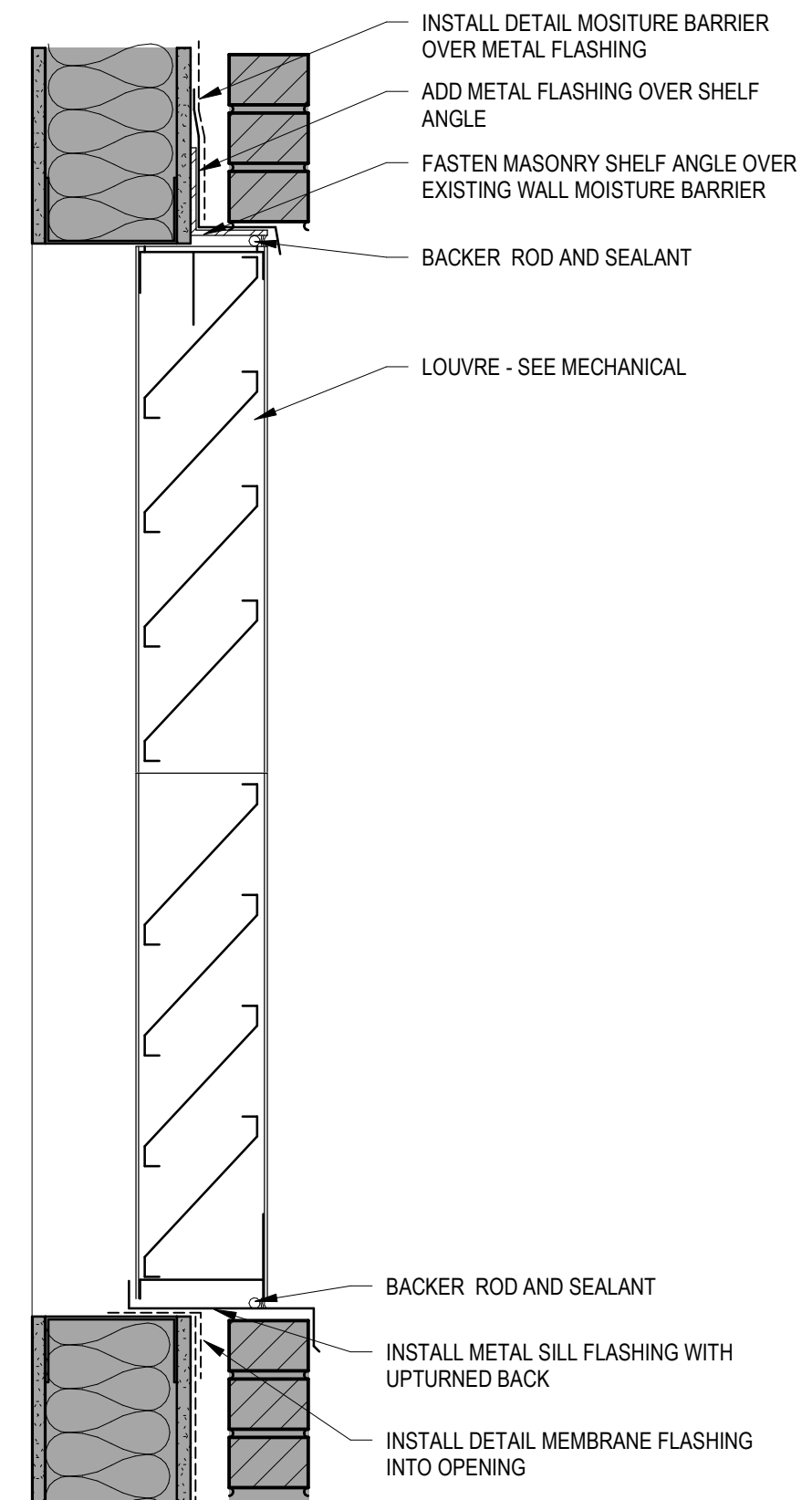
7 INTERIOR ELEVATION-COMPUTER-WEST WALL
1/4" = 1'-0"



4 DETAIL @ GYP SOFFIT & ACT TRANSITION
1 1/2" = 1'-0"



8 MRI EQUIPMENT TETHER
3/4" = 1'-0"



9 MECHANICAL LOUVRE
1 1/2" = 1'-0"

GENERAL WALL TYPE NOTES:

- A. SEE WALL NOTES ON SHEET FM-AE101.
- B. PROVIDE NON FERROUS METAL FASTENERS AT ALL WALL COMPONENTS AT SCAN ROOM. MUST MEET MRI/SEIMENS STANDARDS.
- C. RF ENCLOSURE SUPPLIER WILL PROVIDE AND INSTALL THE RF ENCLOSURE.
- D. RF SHIELDING PROVIDER WILL PROVIDE AND INSTALL THE 2X2 WOOD STUD WALL.
- E. CONTRACTOR WILL PROVIDE AND INSTALL THE PARENT WALL.
- F. PARENT WALL (INTERIOR SIDE) 2 LAYERS OF SOUND DAMPING WALL PANELS SHALL BE FINISHED TO A LEVEL 2 FINISH (TAPE AND JOINT COMPOUND UNSANDED).
- G. SEE SPECIFICATION FOR INSTALLATION OF SOUND DAMPING PANELS AND FIRE RATED PANELS.
- H. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- I. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
- J. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
- K. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- L. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- M. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- N. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- O. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE CEMENT BACKER BOARD AT ALL PORCELAIN & CERAMIC TILE LOCATIONS.
- P. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS.
- Q. K. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F.
- R. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- S. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.

SGA KEYNOTES

KEY VALUE	KEYNOTE TEXT
9.25	MODIFY OPENING FOR RF FILTER PLATE. SEE MRI VENDOR DRAWINGS FOR VENDOR SUPPLIED MRI-CABLING FILTER PANEL.
9.25A	EXISTING MECHANICAL RF FILTER/WAVE GUIDE TO REMAIN.
9.25B	EXISTING ELECTRICAL RF FILTER/WAVE GUIDE TO REMAIN.

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
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Phone: 605-343-9606

ARCHITECT OF RECORD

A/E:
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SIOUX FALLS, SD 57103
605-271-1144
TODD STONE



STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title
FORT MEADE-WALL SECTIONS & DETAILS

Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC

Location
FORT MEADE & HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
TRS

Drawn
JHK

Project Number
**VA #568-CS1-301
SGA #201910**

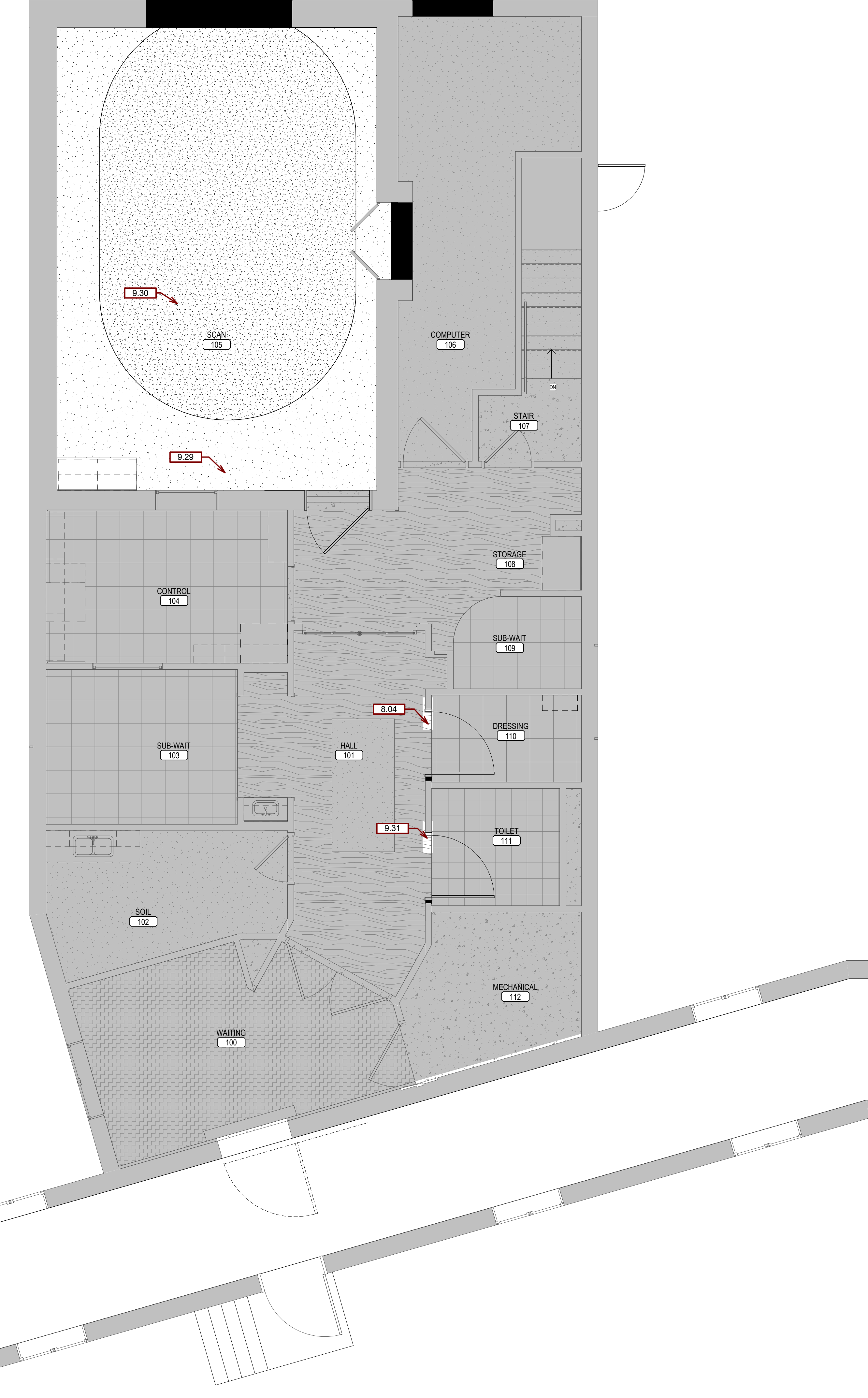
Building Number
165 & 12

Drawing Number
FM-AE310



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

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

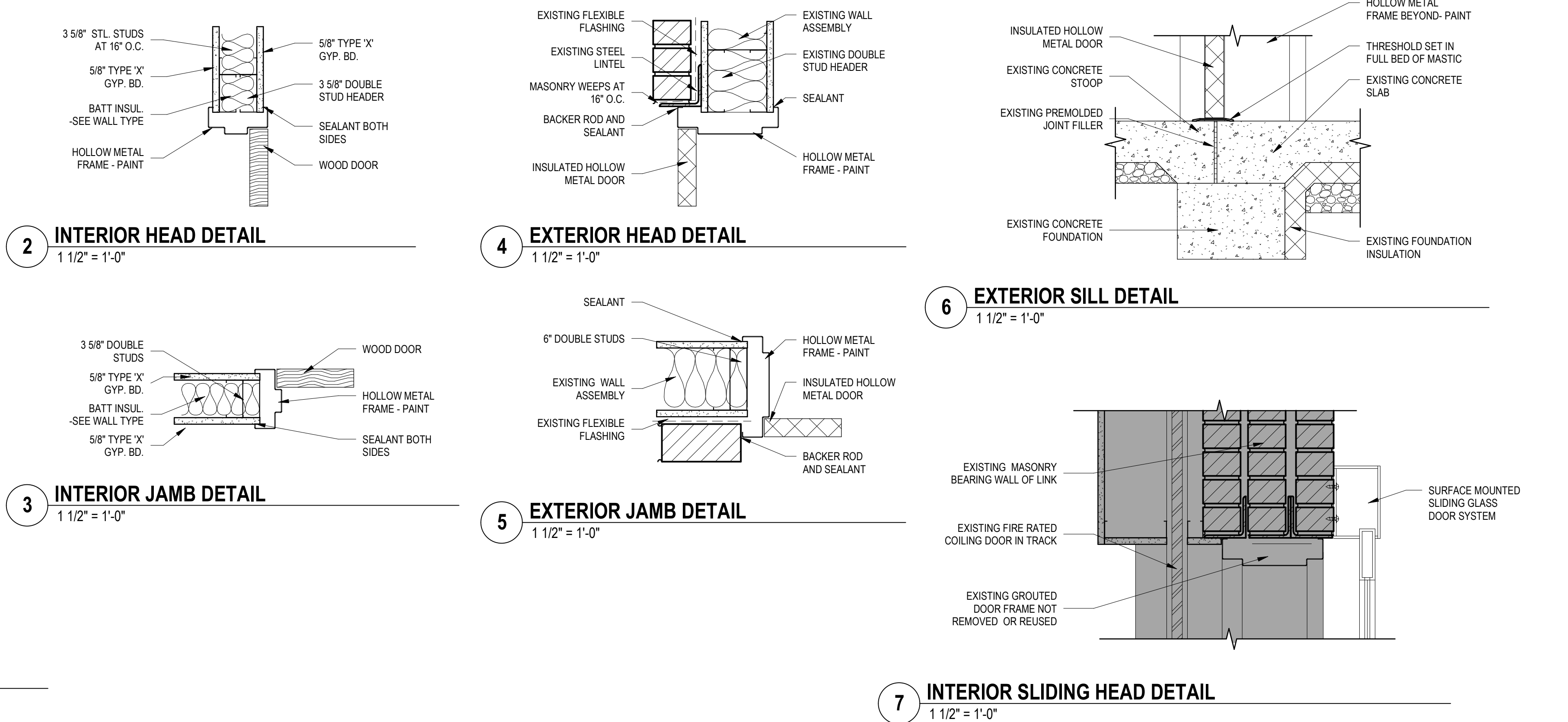
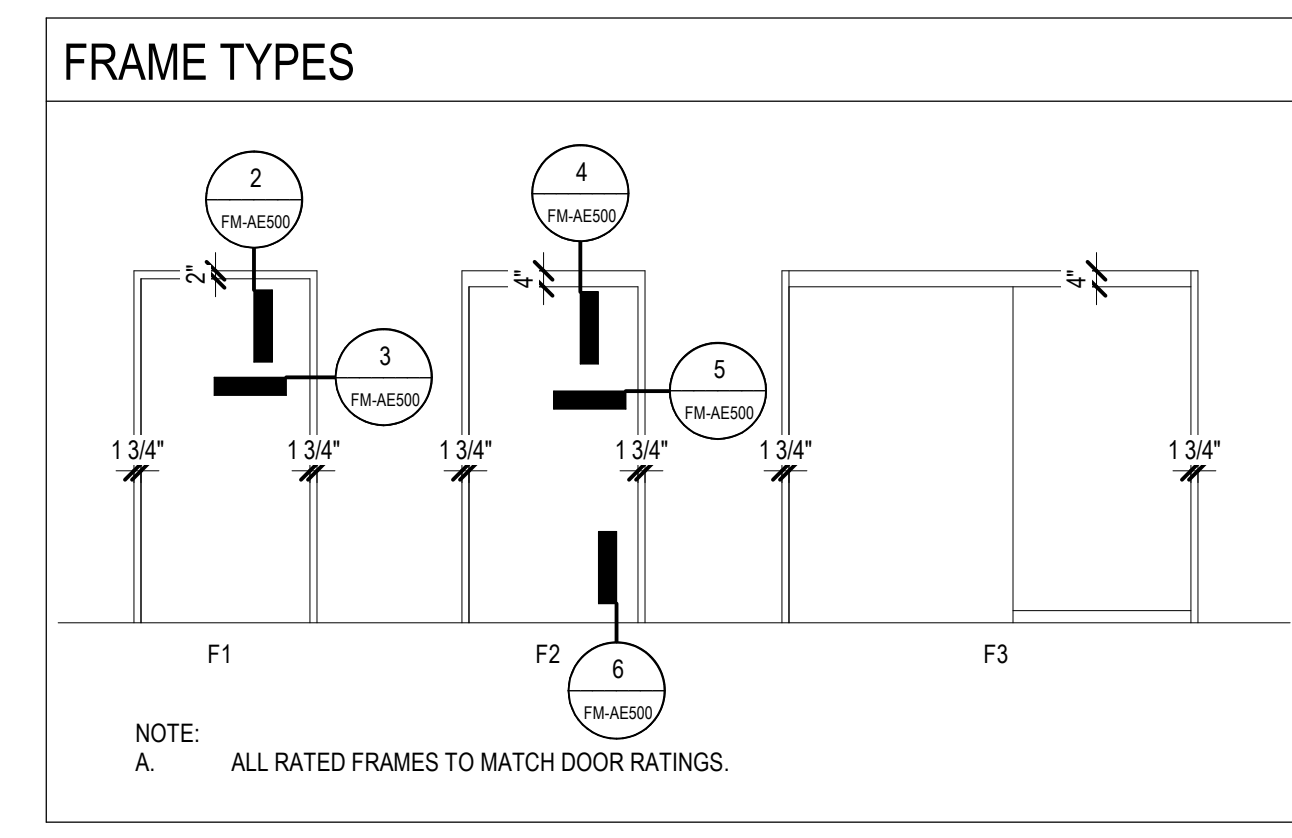
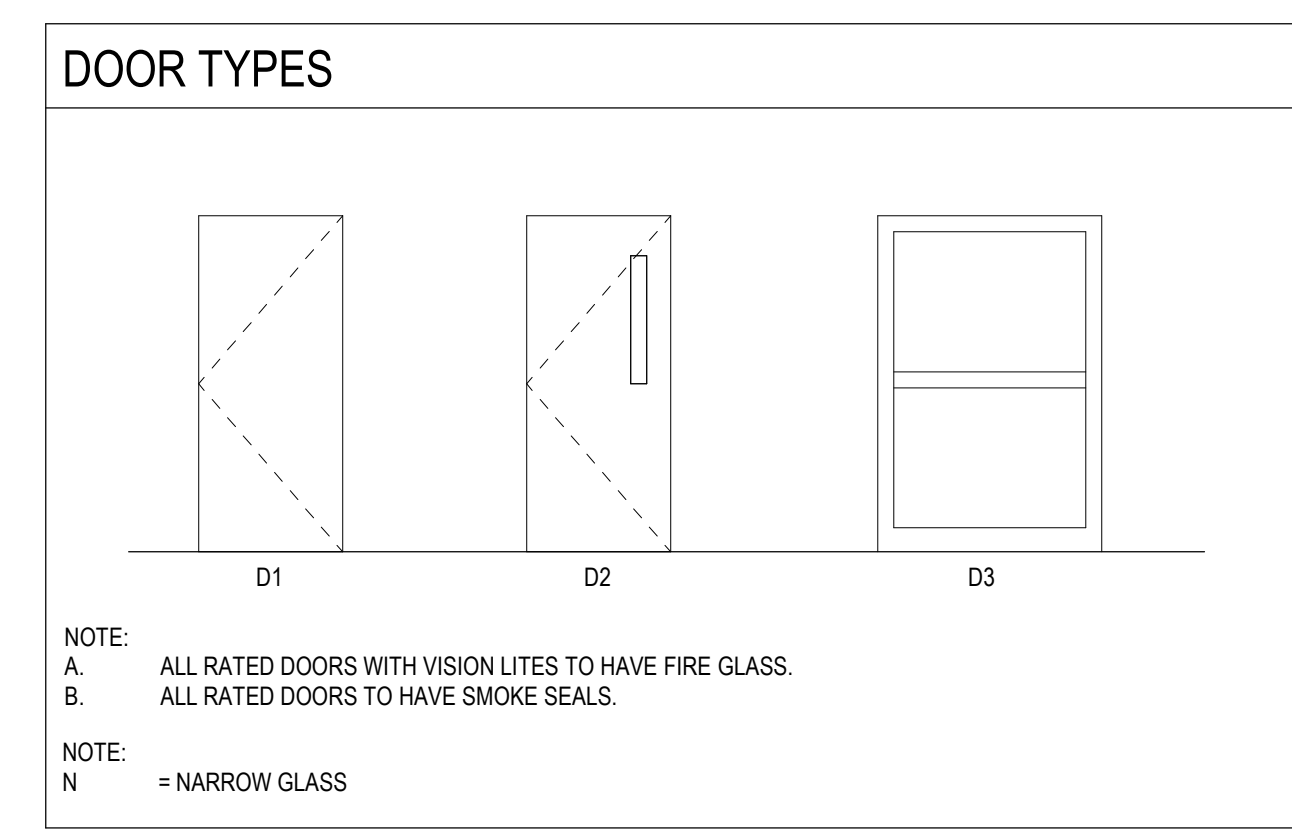
ROOM FINISH SCHEDULE									
NO	ROOM NAME	FLOOR	BASE	WALLS				CEILING	ID FINISH REMARKS
				NORTH	EAST	SOUTH	WEST		
101	HALL	WF-1, VT1	RB1	PNT2	PNT2	PNT2	PNT2	ACT2	TOUCHUP PAINT
104	CONTROL	VT1	RB1	PNT2	PNT2	PNT2	PNT2	ACT2	TOUCHUP PAINT
105	SCAN	SV1, SV2	4" FLASH COVE	PNT3	PNT3	PNT3	PNT3	SEE RCP ON AE101	PAINT ALL WALLS
106	COMPUTER	SV1	RB1	PNT1	PNT1	PNT1	PNT1	GYP.BD.	PAINT ALL WALLS
110	DRESSING	VT1	RB1	PNT2	PNT2	PNT2	PNT2	ACT2	TOUCHUP PAINT
111	TOILET	PT1, PT2	WT4	WT1	WT1	WT1	WT1	ACT2	TOUCHUP PAINT

FINISH KEY:

ABV	DESCRIPTION	PRODUCT	COLOR
VT1*	18"x18" VINYL TILE	AMTICO	STRIA
PT1	6"x6" PORCELAIN TILE	ESQUIRE	CUMBERLAND PLATEAU-WALNUT
PT2	12"x12" PORCELAIN TILE	ESQUIRE	CUMBERLAND PLATEAU-WALNUT
WF1	WOOD PLANK FLOORING	AMTICO	ROSEWOOD-CHERRY
SV1	SHEET VINYL-COLOR 1	FORBO	COLOREX EC, SAHARA
SV2	SHEET VINYL-COLOR 2	FORBO	COLOREX EC, EVEREST
SC	SEALED CONCRETE		
RB1	RUBBER BASE	JOHNSEONITE	49 BEIGE
PNT1	PAINT-COLOR 1	DIAMOND VOGEL	MATCH SW-KILIM BEIGE
PNT2	PAINT-COLOR 2	DIAMOND VOGEL	MATCH SW-LATTE
PNT3	PAINT-COLOR 3	DIAMOND VOGEL	MATCH SW-BUNGLEHAWK GREY
WT1	WALL TILE-COLOR 1	ESQUIRE	CUMBERLAND PLATEAU-WALNUT
WT4	WALL TILE-COLOR 2	DALTILE	EGYPTIAN GLASS, EG35
ACT2	ACOUSTICAL CEILING TILE	USG	RADAR-WHITE

*EXISTING VT1 HAS BEEN DISCONTINUED. IF EXISTING IS DISTURBED OR DAMAGED REPLACE ENTIRE ROOM W/PRODUCT SHOWN ABOVE

DOOR SCHEDULE												
DOOR #	DOOR			Door Type	DOOR		FRAME		RATING	HDWR	REMARKS	DESCRIPTION
	WIDTH	HEIGHT	THICK		MATERIAL	TYPE	MATERIAL	DEPTH				
100B	4'-8"	7'-0"	1 3/4"	N - D3	ALUM	F3	ALUM			N/A	KEYCARD/WAVE SENSOR	SLIDING
105	4'-0"	7'-0"	1 3/4"	F - D1	WD	D1	WD	1'-2 7/8"	-		COORDINATE WITH SHIELDING CONTRACTOR	Single Swing
107B	3'-0"	7'-0"	1 3/4"	N - D2	HM	F2	HM	5 3/4"	45 MIN	HW-SH-4	KEYCARD	Single Swing
110	4'-0"	7'-0"	1 3/4"	F - D1	WD	F1	HM	4 7/8"	-	W-2H		Single Swing
111	4'-0"	7'-0"	1 3/4"	F - D1	WD	F1	HM	4 7/8"	-	W-2H		Single Swing



GENERAL FLOOR FINISH NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- B. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR PLAN, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- C. SOME SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ORDERS IN A MANNER TO ENSURE THEIR TIMELY ARRIVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPENSES, INCLUDING DESIGN FEES, RELATED TO ANY RESELECTIONS REQUIRED DUE TO FAILURE TO ORDER PRODUCTS IN A TIMELY MANNER.
- D. ALL FINISH WORK SHALL BE PERFORMED IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS. SHOP DRAWINGS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW PRIOR TO BEGINNING WORK.
- E. WOOD DOORS, FRAME BASE MOLDINGS TO BE FILLED, STAINED, SEALED AND SHOP FINISHED TO MATCH ARCHITECTS SAMPLE. WORK SHOULD BE PERFORMED IN A DUST FREE ENVIRONMENT.
- F. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED PT-2 (UNO).
- G. PROVIDE TRANSITION STRIPS AT ALL LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIALS. REFER TO TYPICAL TRANSITION STRIP DETAILS FOR APPROVED TRANSITION STRIPS. ALL TRANSITIONS TO BE CENTERED UNDER DOORS IN A CLOSED POSITION (UNO). CONTRACTOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE SIZES OF TRANSITION STRIPS BASED ON MATERIAL TYPES.
- H. ALL SCHLUTER TRANSITION STRIPS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- I. ALL VINYL TRANSITION STRIP COLORS TO MATCH ADJACENT FLOORING. SUBMIT SAMPLE FOR APPROVAL.
- J. VERIFY GROUT AND MORTAR THICKNESS PER MANUFACTURER'S RECOMMENDATIONS.
- K. FLOOR FINISH LEGEND HATCHES INDICATE FLOORING TYPES, NOT ACTUAL FLOORING PATTERN AND LAYOUT (UNO).
- L. FOR FLOOR PATTERN INSTALL DIRECTION REFER TO THE INSTALLATION SYMBOL.
- M. PROVIDE UNDER COUNTER HORIZONTAL METAL SUPPORTS FOR TROUGH LAVATORIES.
- N. IF EXISTING CORNER GUARDS ARE DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW CORNER GUARDS.

SGA KEYNOTES

KEY VALUE	KEYNOTE TEXT
8.04	INSTALL NEW HOLLOW METAL FRAME AND WOOD DOOR. SEE DOOR SCHEDULE.
9.29	INSTALL NEW STATIC DISSIPATIVE SHEET VINYL - SV1. COORDINATE WITH RF FLOORING INSTALLATION.
9.30	INSTALL NEW STATIC DISSIPATIVE SHEET VINYL - SV2. COORDINATE WITH RF FLOORING INSTALLATION.
9.31	PATCH FLOORING TO MATCH EXISTING WOOD PLANK FLOORING - WF-1.

GENERAL DOOR AND WINDOW NOTES:

- A. PROVIDE GLAZING AS REQUIRED BY 2018 IBC.
- B. VERIFY ALL DOOR AND WINDOW OPENINGS WITH MANUFACTURER.
- C. PROVIDE ADA APPROVED LEVER TYPE HARDWARE FOR ALL DOORS UNLESS OTHERWISE NOTED (U.O.N.).
- D. PROVIDE 1" INSULATED GLASS FOR ALL EXTERIOR GLAZING AND 1/4" GLASS FOR ALL INTERIOR GLAZING.
- E. WHERE THRESHOLDS ARE REQUIRED, PROVIDE LOW PROFILE ADA COMPLIANT THRESHOLD.
- F. COORDINATE DOOR PROTECTION WITH DOOR SUPPLIER.
- G. COORDINATE DOOR HARDWARE STYLE AND FINISH WITH OWNER.
- H. SPRING HINGE CLOSER ALLOWED @ DOOR CLOSER LOCATIONS. VERIFY WITH OWNER AND 2015 IBC.

Revision#

Description

Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
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STRUCTURAL:
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ARCHITECT OF RECORD

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605-271-1144
TODD STONE

SG
STONE GROUP
ARCHITECTS

STAMP

REGISTERED ARCHITECT
TODD STONE
SOUTH DAKOTA
10-26-20

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

Drawing Title
FORT MEADE-FINISH PLANS & SCHEDULES
Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS


Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC
Location
FORT MEADE & HOT SPRINGS, SD
Issue Date
11/04/2020
Checked
TRS
Drawn
JHK

Project Number
VA #568-CSI-301
SGA #201910
Building Number
165 & 12
Drawing Number
FM-AE500

VA FORM 08 - 6231



MECHANICAL SPECIFIC NOTES	
P100	REMOVE EXISTING 2" CW PIPING TO MRI BYPASS PIPING. CAP PIPING DURING CONSTRUCTION.
P101	REMOVE EXISTING SANITARY CONNECTION TO MRI BYPASS PIPING. CAP PIPING DURING CONSTRUCTION.

CONSULTANTS	
MECHANICAL / ELECTRICAL / PLUMBING:	STRUCTURAL:
 West Plains Engineering, Inc. 1750 Ranz Road Rapid City, South Dakota 57702 Phone: 605-343-7455	 Albertson Engineering Inc. 3202 W. Main St., #C Rapid City, South Dakota 57702 Phone: 605-343-9000

A/E:
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605-271-1144
TODD STONE



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 8462
MICHAEL SEAN HEINRICH
NORTH DAKOTA
10/26/2010

VA | U.S. Department
of Veterans Affairs

Approved:

FINAL CONSTRUCTION
DOCUMENTS

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

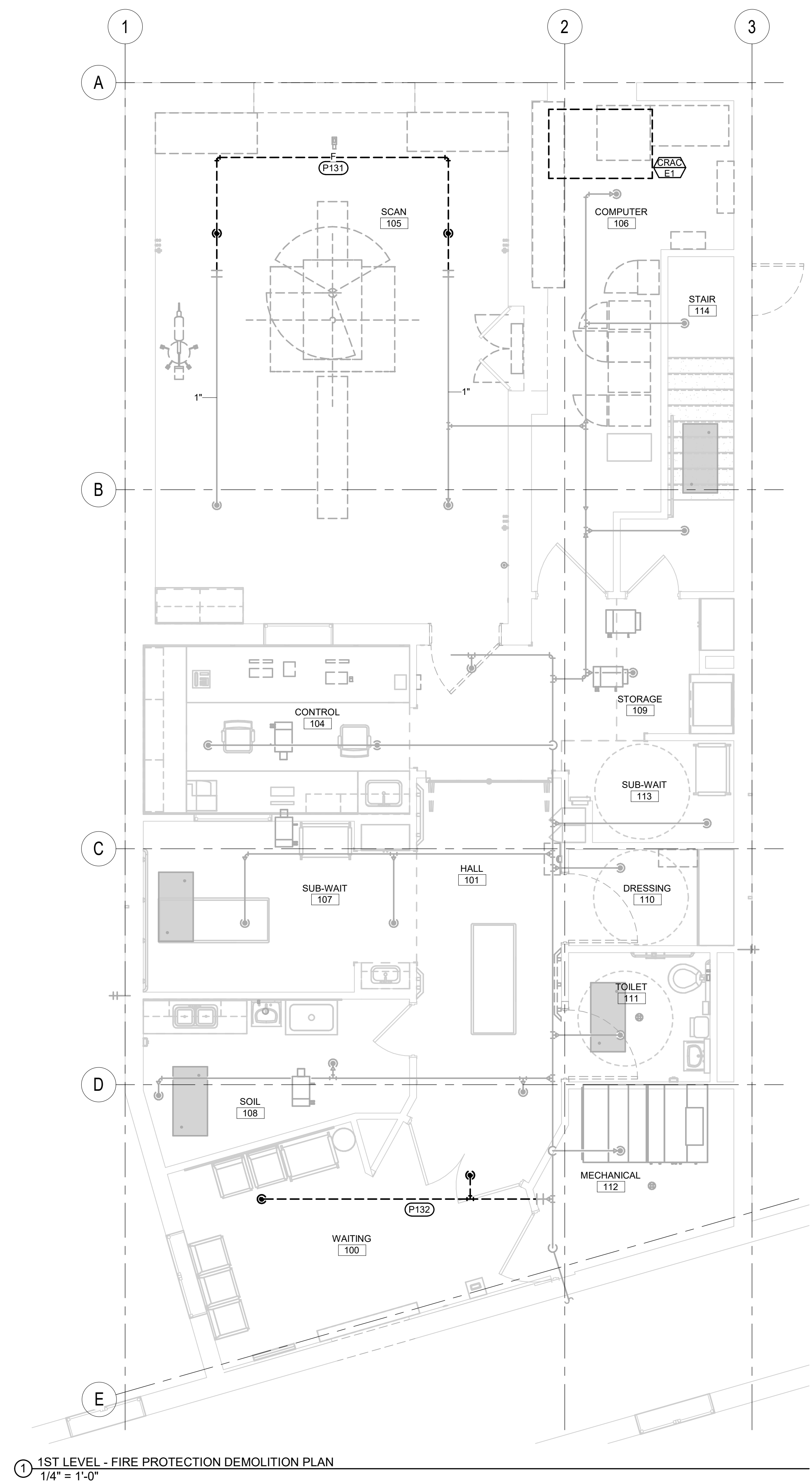
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FM-PD101

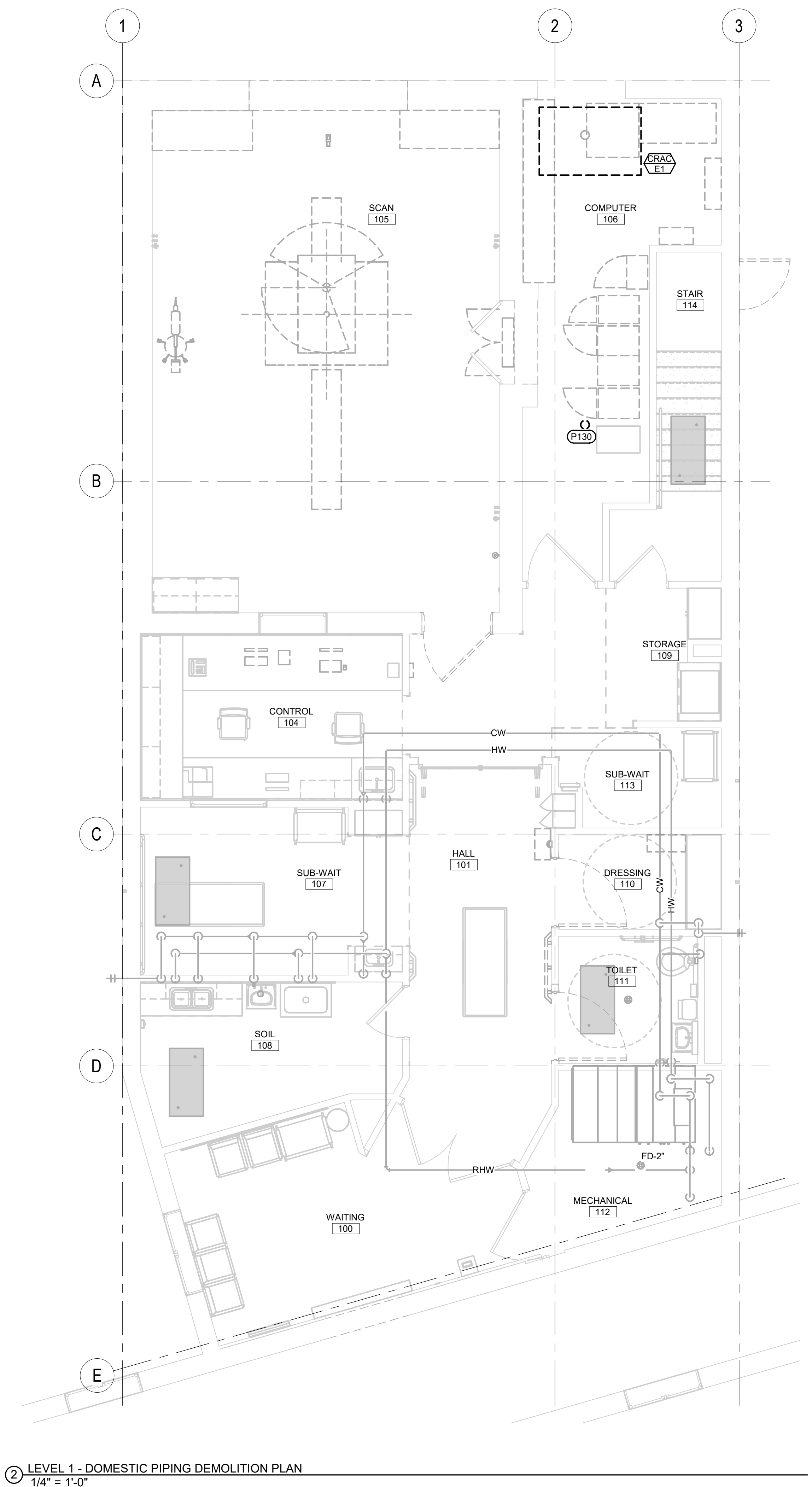
Three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

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1 1ST LEVEL - FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0"



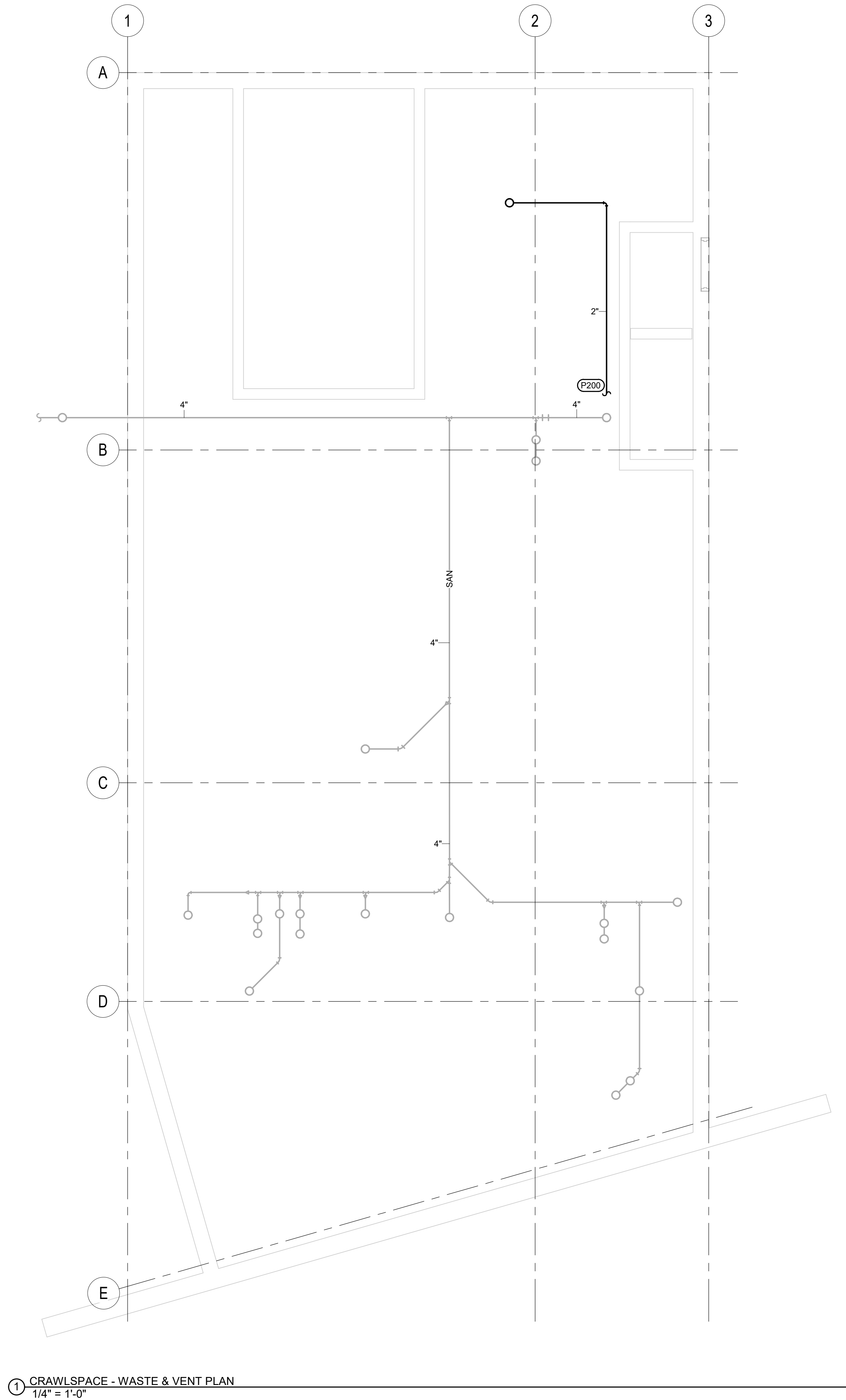
2 LEVEL 1 - DOMESTIC PIPING DEMOLITION PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A COORDINATE PHASING AND REMOVAL OF EXISTING PIPING AND EQUIPMENT WITH OWNER.
 - B REMOVE EXISTING PIPING, EQUIPMENT, ETC. WHERE DASHED. CAP PIPING DURING CONSTRUCTION.
 - C CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PIPING.
- MECHANICAL SPECIFIC NOTES**
- P130 REMOVE EXISTING 2" CW PIPING TO MRI BYPASS PIPING. CAP PIPING DURING CONSTRUCTION.
 - P131 REMOVE EXISTING FIRE SPRINKLER PIPING AND ASSOCIATED FIRE SPRINKLER HEADS AS REQUIRED FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW MRI UNIT.
 - P132 REMOVE EXISTING FIRE SPRINKLER PIPING AND ASSOCIATED FIRE SPRINKLER HEADS AS REQUIRED INSTALLATION OF NEW OUTSIDE AIR DUCTWORK.

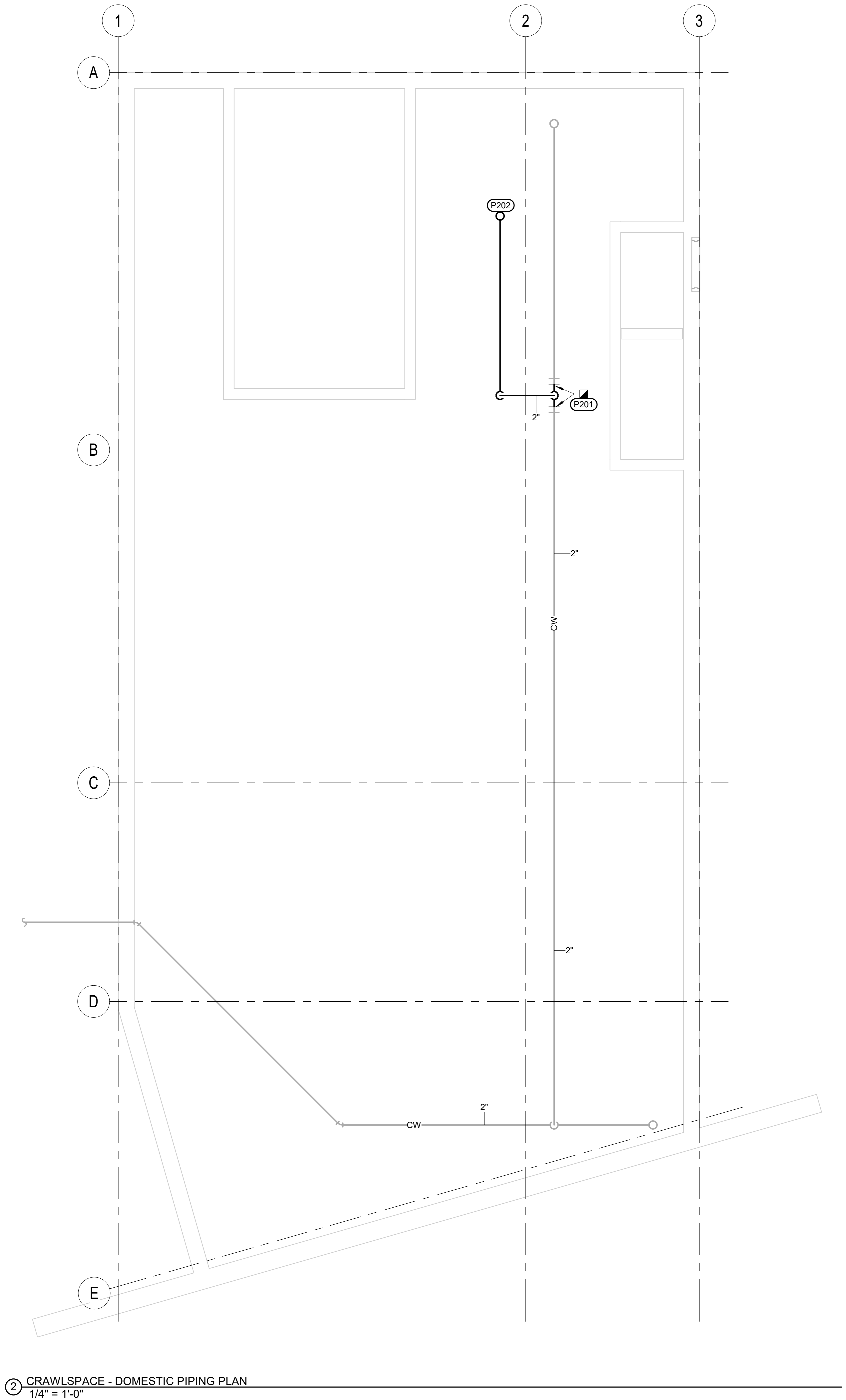
CONSULTANTS		ARCHITECT OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number			
MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455		STRUCTURAL: Albertson Engineering Inc. 2002 W. Main St. #C Rapid City, South Dakota 57702 Phone: 605-343-9606		A/E: STONE GROUP ARCHITECTS 600 E 7TH STREET SIOUX FALLS, SD 57103 605-271-1144 TODD STONE				VA U.S. Department of Veterans Affairs		1ST LEVEL PLUMBING/FIRE PROTECTION DEMOLITION PLANS		FINAL CONSTRUCTION DOCUMENTS		MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC		VA #568-CSI-301 SGA #201910	
Revision#		Description		Date:				Approved:				Location FT. MEADE/HOT SPRINGS, SD		Drawing Number FM-PD102			
												Issue Date 11/04/2020		Checked MSH			
												Drawn MMM/KJH					

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

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① CRAWLSPACE - WASTE & VENT PLAN
1/4" = 1'-0"



② CRAWLSPACE - DOMESTIC PIPING PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- COORDINATE LOCATION OF PIPING WITH STRUCTURE, MRI SUPPLIER, SHIELDING SUPPLIER, AND OTHER TRADES.
 - ALL PIPING INSULATION SERVING DOMESTIC COLD WATER PIPING SHALL BE INSTALLED WITH UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC. UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC.
 - ISOLATE ALL COPPER PIPE FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR BUILDING CONSTRUCTION TYPE, OCCUPANCY, BUILDING CROSS SECTIONS, AND CEILING LAYOUT.
 - ALL ITEMS INSTALLED WITHIN THE MRI ROOM SHALL BE NON-FERROUS.
 - ALL DUCTWORK, PIPING, CONDUIT, ETC., ENTERING MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FIELD/WAVEGUIDE FILTER SUPPLIED AND INSTALLED BY THE RF ENCLOSURE CONTRACTOR.

- MECHANICAL SPECIFIC NOTES**
- P200 CONNECT NEW DRAIN PIPE FROM CHILLED WATER BYPASS SYSTEM TO EXISTING DRAIN WITHIN CRAWLSPACE.
- P201 CONNECT NEW INJECTION PIPE FROM MRI CHILLED WATER BYPASS TO EXISTING CW PIPING.
- P202 2" CW INJECTION FOR MRI SYSTEM UP TO FIRST FLOOR. REFER TO FM-PP102, 1ST LEVEL PLUMBING PLANS, FOR CONTINUATION.

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

WPE
WEST PLAINS ENGINEERING, INC.
1729 Rand Road
Rapid City, South Dakota 57702
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STRUCTURAL:

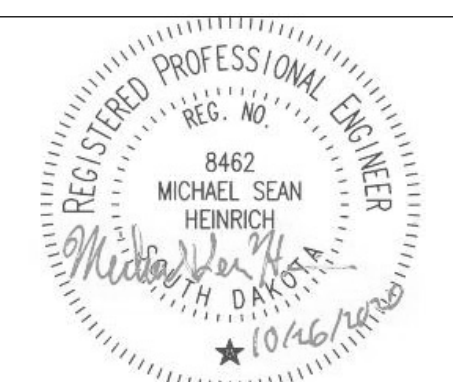
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Phone: 605-343-9606

ARCHITECT OF RECORD

A/E:
STONE GROUP ARCHITECTS
600 E 7TH STREET
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605-271-1144
TODD STONE



STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

CRAWLSPACE PLUMBING PLANS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
MSH

Drawn
MMM/KJH

Project Number

VA #568-CSI-301
SGA #201910

Building Number

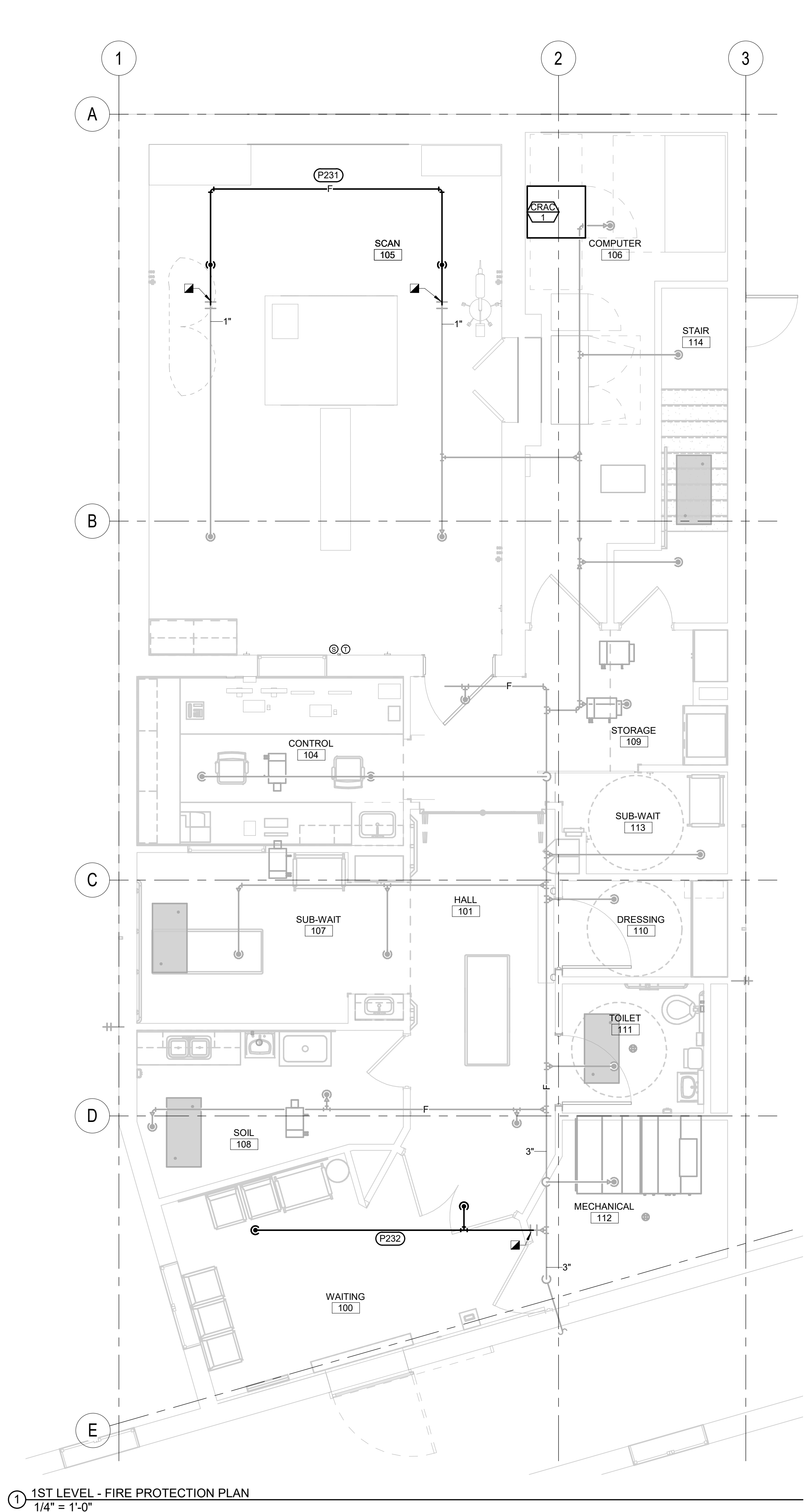
165 & 12

Drawing Number

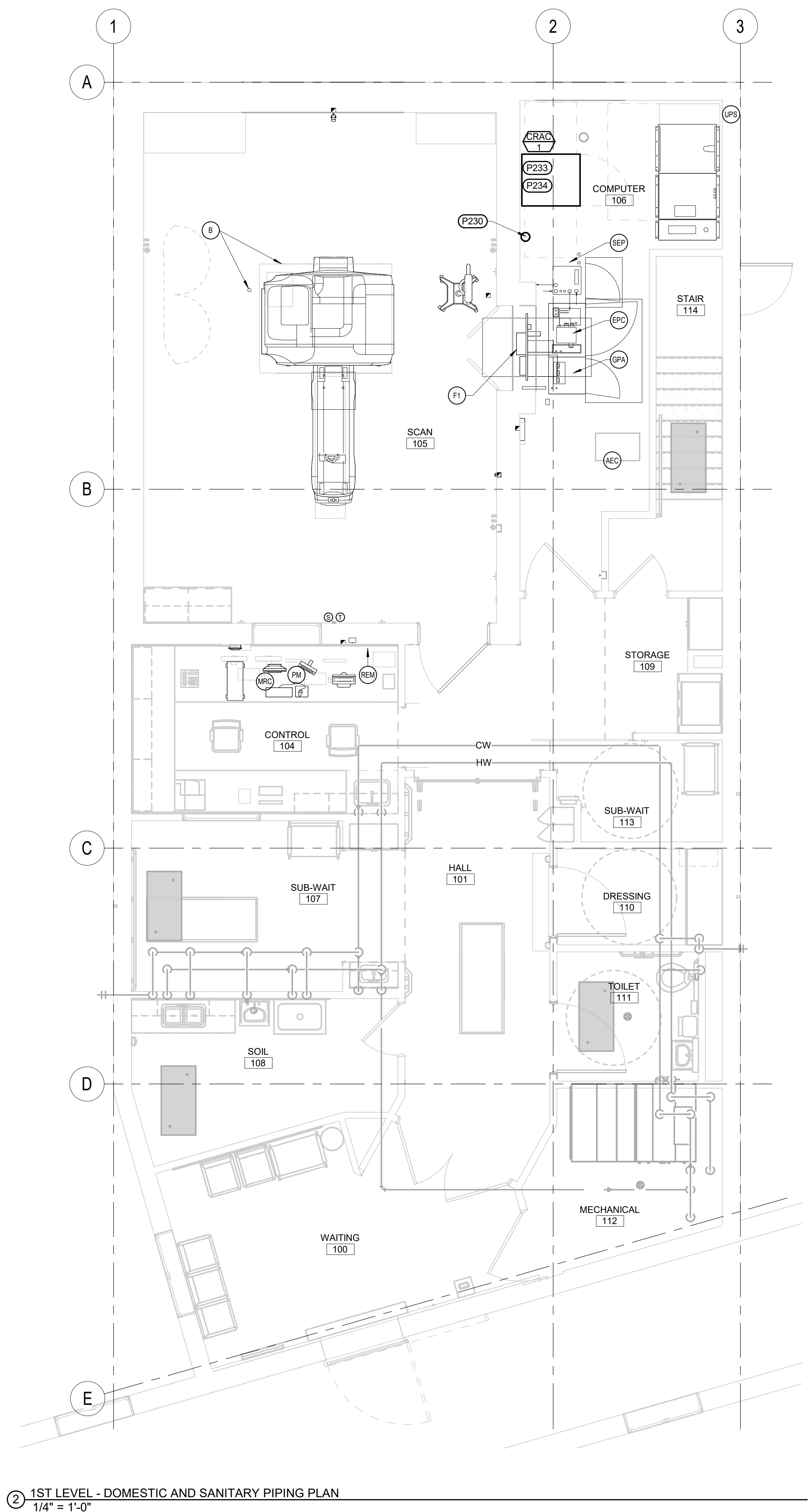
FM-PP101

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one quarter inch = one foot
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1 1ST LEVEL - FIRE PROTECTION PLAN
1/4" = 1'-0"



2 1ST LEVEL - DOMESTIC AND SANITARY PIPING PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- COORDINATE LOCATION OF PIPING WITH STRUCTURE, MRI SUPPLIER, SHIELDING SUPPLIER, AND OTHER TRADES.
 - ALL PIPING INSULATION SERVING DOMESTIC COLD WATER PIPING SHALL BE INSTALLED WITH UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC. UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC.
 - ISOLATE ALL COPPER PIPE FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR BUILDING CONSTRUCTION TYPE, OCCUPANCY, BUILDING CROSS SECTIONS, AND CEILING LAYOUT.
 - ALL ITEMS INSTALLED WITHIN THE MRI ROOM SHALL BE NON-FERROUS.
 - ALL DUCTWORK, PIPING, CONDUIT, ETC., ENTERING MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FIELDWAVEGUIDE FILTER SUPPLIED AND INSTALLED BY THE RF ENCLOSURE CONTRACTOR.
- MECHANICAL SPECIFIC NOTES**
- P230 2" CW INJECTION FOR MRI SYSTEM UP FROM CRAWLSPACE. REFER TO FM-PP101, CRAWLSPACE PLUMBING PLANS FOR CONTINUATION. ALSO, REFER TO MRI CHILLER PIPING SCHEMATIC, 2/FM-MJ101. ALSO PROVIDE 2" DRAIN FROM INJECTION SYSTEM DOWN TO TRAP WITHIN CRAWLSPACE.
- P231 INSTALL NEW NON-FERROUS FIRE SPRINKLER SYSTEM WITHIN THIS AREA. COORDINATE FIRE SPRINKLER HEAD LOCATION WITH CEILING AND MRI SYSTEM.
- P232 INSTALL NEW FIRE SPRINKLER PIPING WITHIN THIS AREA. COORDINATE FIRE SPRINKLER PIPING LOCATION WITH NEW DUCTWORK AND FIRE SPRINKLER HEAD LOCATION WITH CEILING.
- P233 PROVIDE 3/4" CW CONNECTION FROM CW INJECTION PIPING TO CRAC UNIT HUMIDIFIER. CONNECTION SHALL BE PRIOR TO THE SYSTEM ISOLATIONS SO AS TO PROVIDE A CONTINUOUS AVAILABILITY OF WATER.
- P234 PROVIDE 3/4" CONDENSATE DRAIN FROM CRAC UNIT TO TRAP WITHIN CRAWLSPACE.

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

WPE WEST PLAINS ENGINEERING, INC.
1750 Rand Road
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TODD STONE

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

1ST LEVEL PLUMBING PLANS

Approved:

Phase

FINAL CONSTRUCTION DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

MSH

Drawn

MM/KJH

Project Number

**VA #568-CSI-301
SGA #201910**

Building Number

165 & 12

Drawing Number

FM-PP102

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

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VA FORM 08 - 6231

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL /
PLUMBING:

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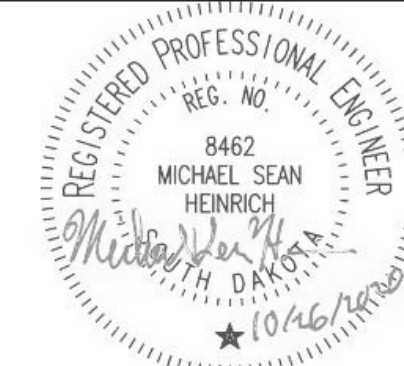
ARCHITECT OF RECORD

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Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

CRAWLSPACE MECHANICAL
DEMOLITION PLAN

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

MSH

Drawn

MMM/KJH

Project Number

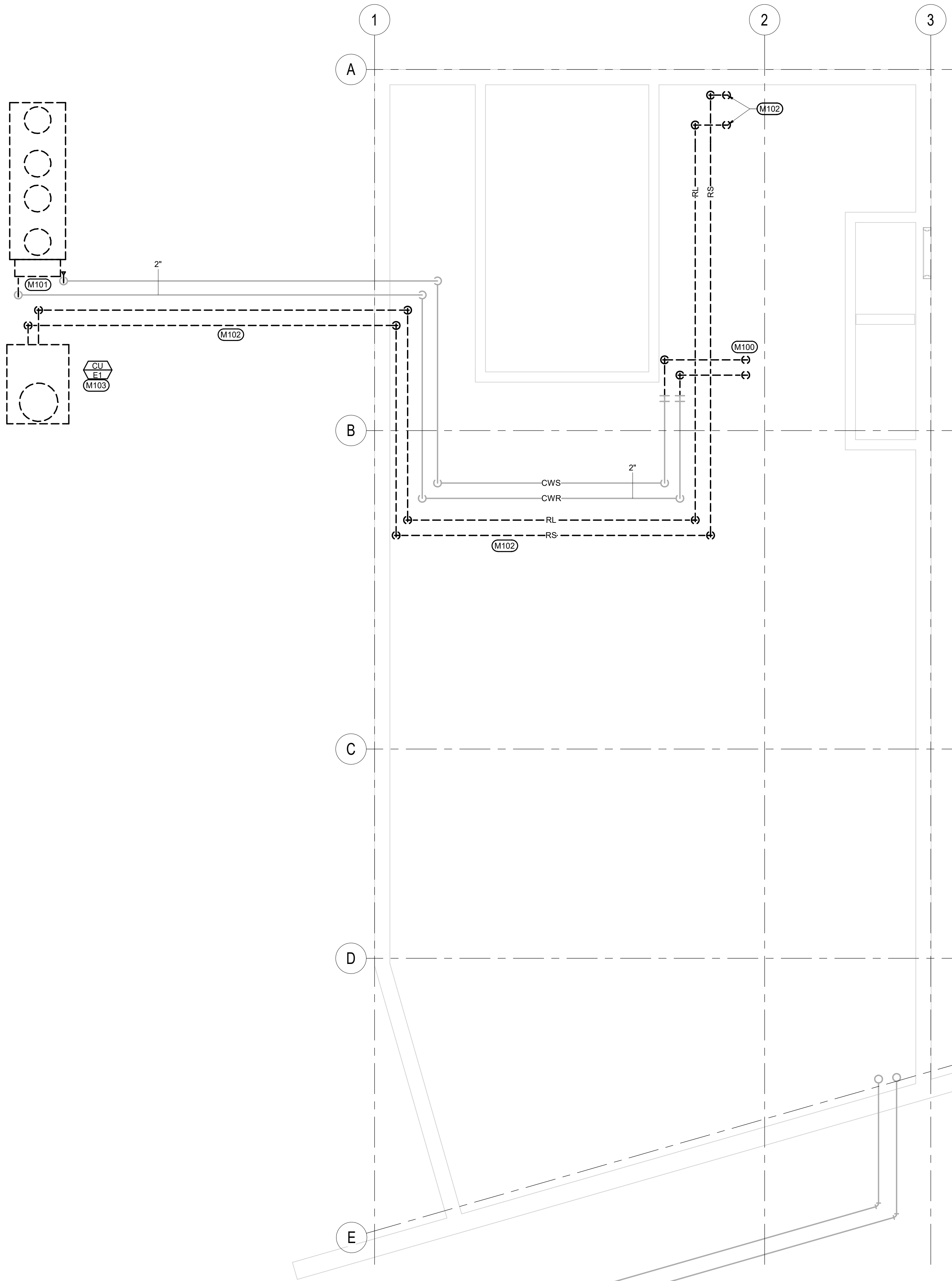
VA #568-CSI-301
SGA #201910

Building Number

165 & 12

Drawing Number

FM-MD101



GENERAL NOTE

- A COORDINATE PHASING AND REMOVAL OF EXISTING PIPING AND EQUIPMENT WITH OWNER
B REMOVE EXISTING PIPING, EQUIPMENT, ETC. WHERE DASHED. CAP PIPING DURING CONSTRUCTION.
C CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PIPING.

M

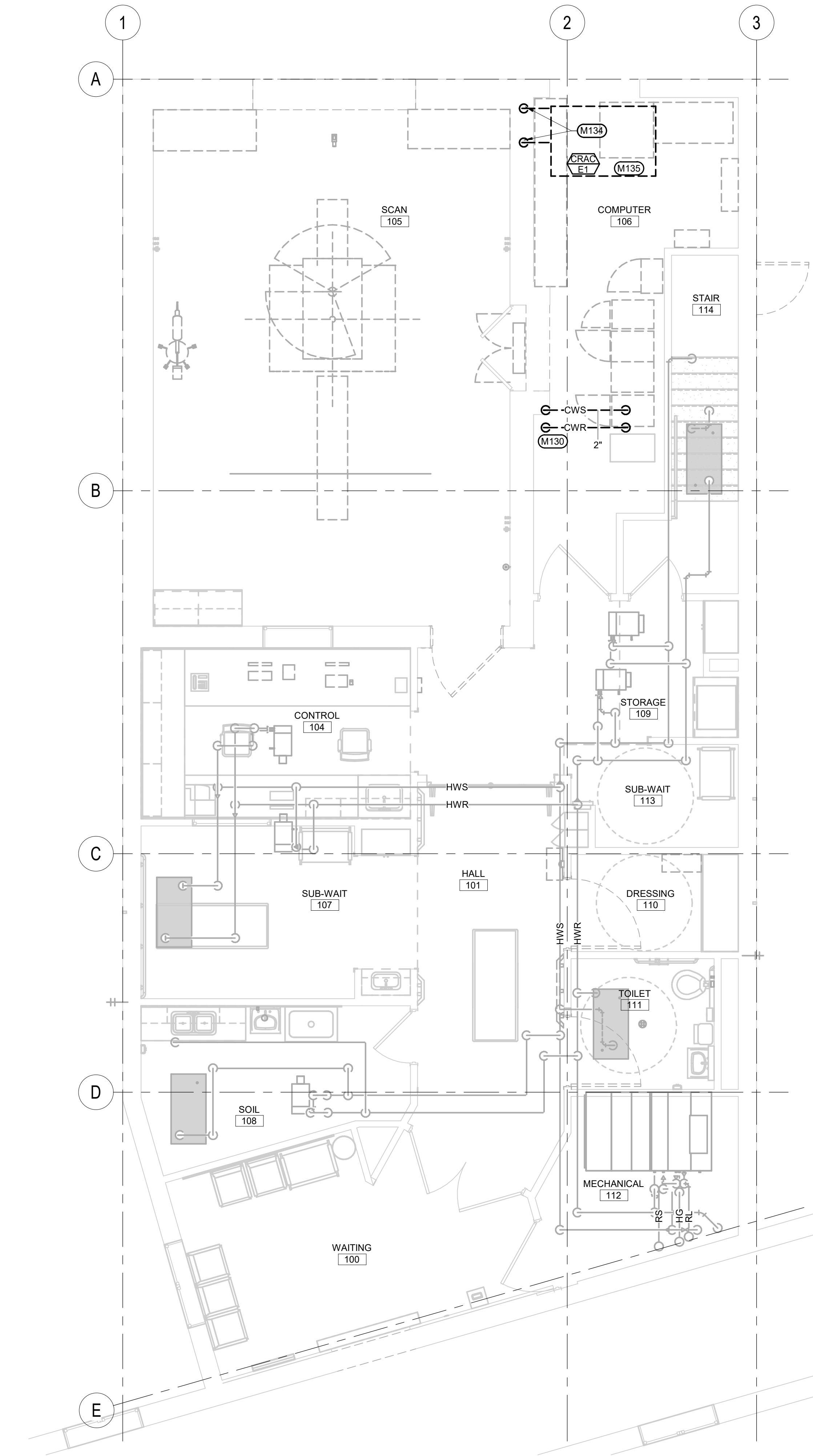
MECHANICAL SPECIFIC NOTES

- M100 REMOVE CHILLED WATER PIPING SERVING EXISTING LCCC. CAP PIPING DURING CONSTRUCTION.
M101 REMOVE EXISTING CHILLER, CHILLER HOUSEKEEPING PAD, AND PIPING CONNECTIONS WITHIN THIS LOCATION. CAP PIPING DURING CONSTRUCTION. THE MRI BROKER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL COMPONENTS REMOVED. THIS CONTRACTOR SHALL ASSIST THE BROKER IN REMOVAL OF COMPONENTS FROM THIS LOCATION TO A LOCATION AS SET FORTH BY THE BROKER.
M102 REMOVE RS AND RL PIPING SERVING EXISTING CRAC UNIT.
M103 REMOVE EXISTING CRAC UNIT CONDENSING UNIT, CRAC UNIT CONDENSING UNIT HOUSEKEEPING PAD, AND PIPING WITHIN THIS LOCATION.

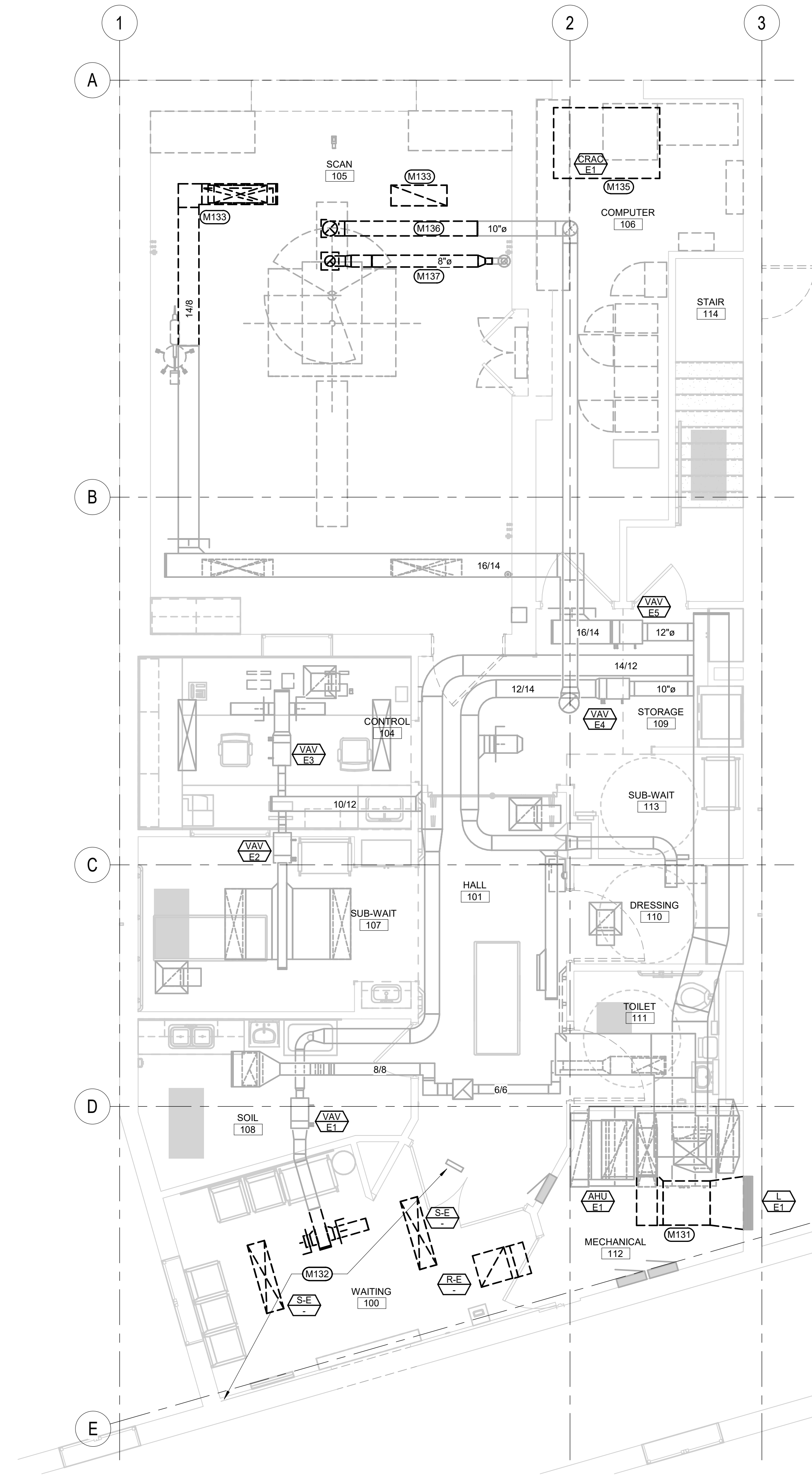
1 CRAWLSPACE - HVAC PIPING DEMOLITION PLAN
1/4" = 1'-0"

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

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1 1ST LEVEL - HVAC PIPING DEMOLITION PLAN
1/4" = 1'-0"



2 1ST LEVEL - HVAC DEMOLITION PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A. COORDINATE PHASING AND REMOVAL OF EXISTING DUCTWORK, PIPING, AND EQUIPMENT WITH OWNER.
 - B. REMOVE EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. WHERE DASHED. CAP DUCTWORK AND PIPING DURING CONSTRUCTION.
 - C. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING DUCTWORK AND PIPING.

- MECHANICAL SPECIFIC NOTES**
- M130 REMOVE CHILLED WATER PIPING SERVING EXISTING LOCC. CAP PIPING DURING CONSTRUCTION. THE MRI BROKER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL COMPONENTS REMOVED. THIS CONTRACTOR SHALL ASSIST THE BROKER IN REMOVAL OF COMPONENTS FROM COMPUTER 106 TO A LOCATION AS SET FORTH BY THE BROKER.
 - M131 REMOVE EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED FOR INSTALLATION OF NEW DUCTWORK.
 - M132 REMOVE EXISTING REGISTERS, GRILLES, AND DIFFUSER ALONG WITH ASSOCIATED DUCTWORK WITHIN THIS AREA AS REQUIRED FOR INSTALLATION OF NEW OUTSIDE AIR DUCTWORK WITHIN THIS AREA. RETAIN EXISTING DIFFUSERS FOR REINSTALLATION.
 - M133 REMOVE EXISTING REGISTERS, GRILLES, AND DIFFUSER ALONG WITH ASSOCIATED DUCTWORK WITHIN THIS AREA AS REQUIRED FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW MRI. RETAIN EXISTING DIFFUSERS FOR REINSTALLATION.
 - M134 REMOVE RS AND RL PIPING SERVING EXISTING CRAC UNIT. CAP AND ABANDON PIPING ABOVE CEILING AND WITHIN WALLS.
 - M135 REMOVE EXISTING CRAC UNIT.
 - M136 REMOVE EXISTING GRADIENT EXHAUST DUCTWORK. CAP DUCTWORK DURING CONSTRUCTION. THE MRI BROKER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL COMPONENTS REMOVED. THIS CONTRACTOR SHALL ASSIST THE BROKER IN REMOVAL OF COMPONENTS FROM THIS LOCATION TO A LOCATION AS SET FORTH BY THE BROKER.
 - M137 REMOVE EXISTING QUENCH DUCTWORK. CAP DUCTWORK DURING CONSTRUCTION. THE MRI BROKER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL COMPONENTS REMOVED. THIS CONTRACTOR SHALL ASSIST THE BROKER IN REMOVAL OF COMPONENTS FROM THIS LOCATION TO A LOCATION AS SET FORTH BY THE BROKER.

Revision#	Description	Date:

CONSULTANTS

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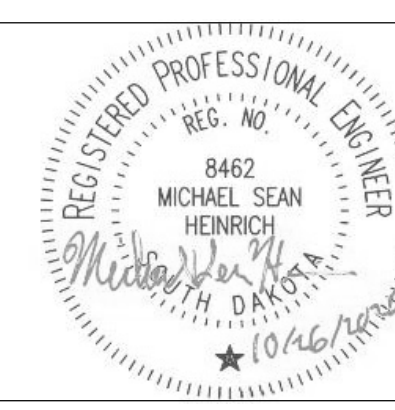
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ARCHITECT OF RECORD

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Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

1ST LEVEL MECHANICAL
DEMOLITION PLANS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

MSH

Drawn

MM/KJH

Project Number

VA #568-CSI-301
SGA #201910

Building Number

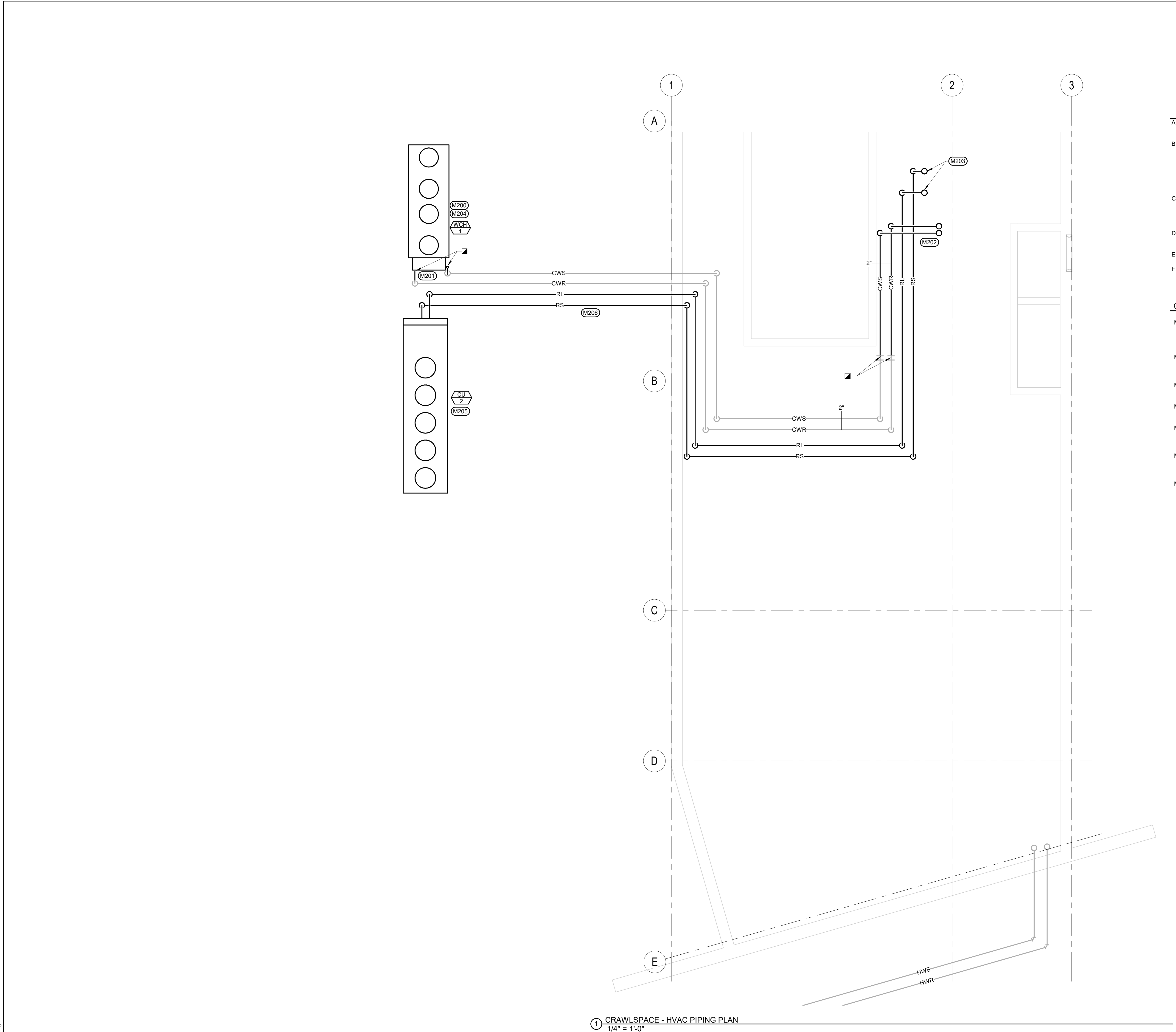
165 & 12

Drawing Number

FM-MD102

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- GENERAL MECHANICAL NOTES**
- A COORDINATE LOCATION OF DUCTWORK AND PIPING WITH STRUCTURE, MRI SUPPLIER, SHIELDING SUPPLIER, AND OTHER TRADES.
 - B ALL PIPING INSULATION SERVING CHILLED WATER PIPING SHALL BE INSTALLED WITH UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC. UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES.
 - C ISOLATE ALL COPPER PIPE FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - D REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR BUILDING CONSTRUCTION TYPE, OCCUPANCY, BUILDING CROSS SECTIONS, AND CEILING LAYOUT.
 - E ALL ITEMS INSTALLED WITHIN THE MRI ROOM SHALL BE NON-FERROUS.
 - F ALL DUCTWORK, PIPING, CONDUIT, ETC. ENTERING MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FIELD/WAVEGUIDE FILTER SUPPLIED AND INSTALLED BY THE RF ENCLOSURE CONTRACTOR.
- MECHANICAL SPECIFIC NOTES**
- M200 INSTALL OWNER SUPPLIED CHILLER ON NEW 6" HIGH, 4500 PSI, 28-DAY STRENGTH CONCRETE HOUSEKEEPING PAD WITH #4 REBAR, 12" O.C. BOTH DIRECTIONS. CHILLER OUTSIDE DIMENSIONS ARE 44"x138".
 - M201 CONNECT EXISTING 2" CWS AND CWR PIPING TO NEW CHILLER. CONTRACTOR TO EXTEND AND MODIFY PIPING AS REQUIRED FOR NEW CHILLER CONFIGURATION.
 - M202 NEW 2" CWS AND CWR PIPING UP TO 1ST LEVEL. REFER TO SHEET FM-MH102, 1ST LEVEL MECHANICAL PLANS, FOR CONTINUATION.
 - M203 NEW RS AND RL PIPING UP TO 1ST LEVEL. REFER TO SHEET FM-MH102, 1ST LEVEL MECHANICAL PLANS, FOR CONTINUATION.
 - M204 CHILLER SHALL BE FULLY OPERATIONAL A MINIMUM OF 48 HOURS PRIOR TO ARRIVAL OF THE MAGNET. ACTUAL TIME SHALL BE COORDINATED WITH MRI SUPPLIER/INSTALLER.
 - M205 INSTALL CU-1 ON NEW 6" HIGH, 4500 PSI, 28-DAY STRENGTH CONCRETE HOUSEKEEPING PAD WITH #4 REBAR, 12" O.C. BOTH DIRECTIONS. ALSO, INSTALL CU-1 ON 24" HIGH STAND.
 - M206 INSTALL NEW RS AND RL PIPING ON EXISTING PIPING RACKS. COORDINATE LOCATION WITH EXISTING CHILLED WATER PIPING SERVING MRI CHILLER.

Revision#	Description	Date:

CONSULTANTS

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STONE GROUP ARCHITECTS

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REGISTERED PROFESSIONAL ENGINEER
REG. NO. 8462
MICHAEL SEAN HENRICH
SOUTH DAKOTA
10/26/2020

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

CRAWLSPACE MECHANICAL PLAN

Approved:

Phase

FINAL CONSTRUCTION DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

MSH

Drawn

MMM/KJH

Project Number

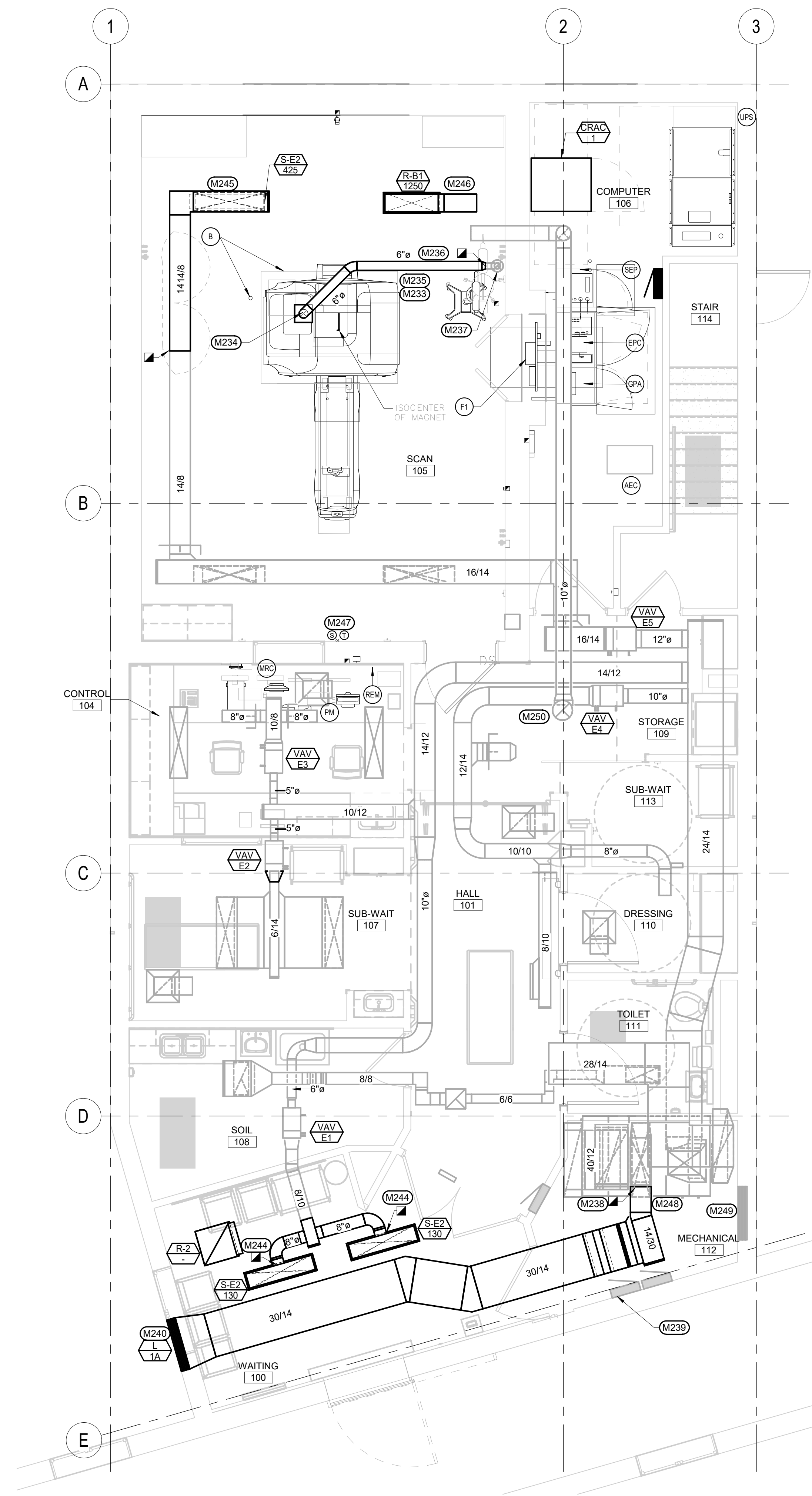
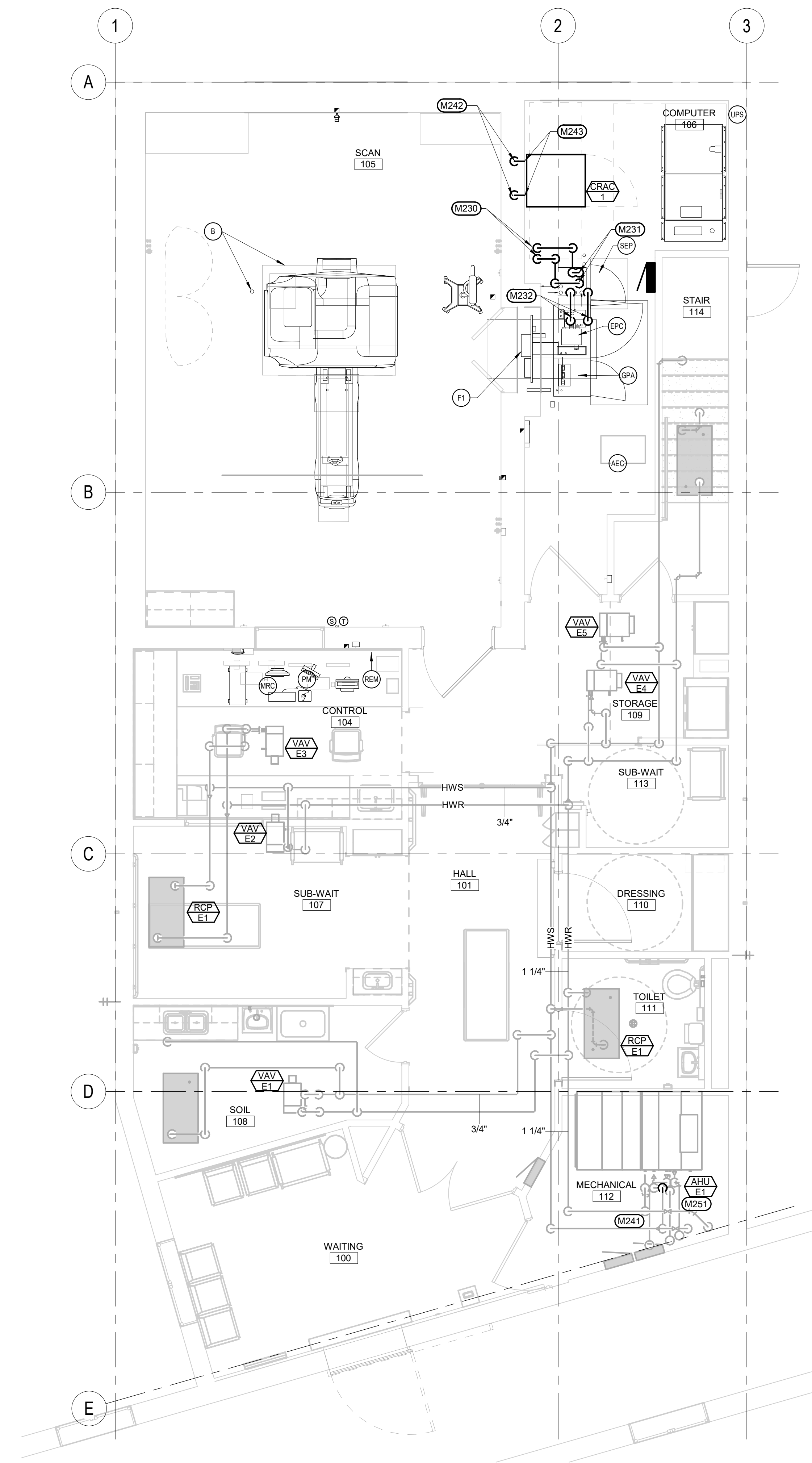
**VA #568-CS1-301
SGA #201910**

Building Number

165 & 12

Drawing Number

FM-MH101



MRI EQUIPMENT MECHANICAL SCHEDULE					
ITEM	DESCRIPTION	CWS	CWR	BTU/HR TO AIR	REMARKS
AEC	AMBIENT EXPERIENCE CABINET			3530	
B	SOLA MAGNET IN OPERATION			7506	
EPC	ELECTRONICS CABINET	2"	2"	2706	THIS CONTRACTOR WILL INTERCONNECT SEP AND EPC CABINETS WITH HOSES PROVIDED BY MRI SUPPLIER
F1	RF-FILTER PLATE (HORIZONTAL)			853	
GPA	ELECTRONICS CABINET			2706	
MRC	HOST PC MRC & MONITOR			2628	
PM	PATIENT MONITOR			342	
REM	REMOTE CHILLER CONTROLLER				
SEP	SEP CABINET	2"	2"	3412	THIS CONTRACTOR WILL INTERCONNECT SEP AND EPC CABINETS WITH HOSES PROVIDED BY MRI SUPPLIER
UPS	EATON 93PM 180 kW UPS WITH BATTERY & MAINTENANCE BYPASS			20525	

FM-MH102

LOUVER SCHEDULE											
UNIT TYPE	UNIT NUMBER	MANUFACTURER	MODEL	LOCATION	FUNCTION	SIZE		CFM	S.P.	FREE AIR VELOCITY	COMMENTS
						WIDTH	HEIGHT				
L	1A	RUSKIN	ELF6375DX	WEST WALL	INTAKE	36"	30"	3000	0.00 in-wg	780 FPM	1.2,3.4

COMMENTS:

- | | |
|---|--|
| 1 | PROVIDE WITH BIRD SCREEN. |
| 2 | ARCHITECT TO SELECT COLOR. |
| 3 | ALUMINUM CONSTRUCTION WITH BAKED ENAMEL FINISH. |
| 4 | LOUVER MANUFACTURER LISTED AS BASIS OF DESIGN. UNIT SHALL BE OF EQUAL OR BETTER CONSTRUCTION |

COMPUTER ROOM A/C UNIT SCHEDULE (DX)													
DX COOLING COIL													
UNIT TYPE	UNIT NUMBER	MANUFACTURER	MODEL	HP	E.S.P.	CFM	CAPACITY	DB	WB	VOLTAGE	PHASES	MCA	COMMENTS
CRAC	1	DATA I/O	GTAL01834-F	1.3	0.20 in w/g	2500	54420	75.5	61.5	480	3	113.3	1,2,3,4,5,6,7

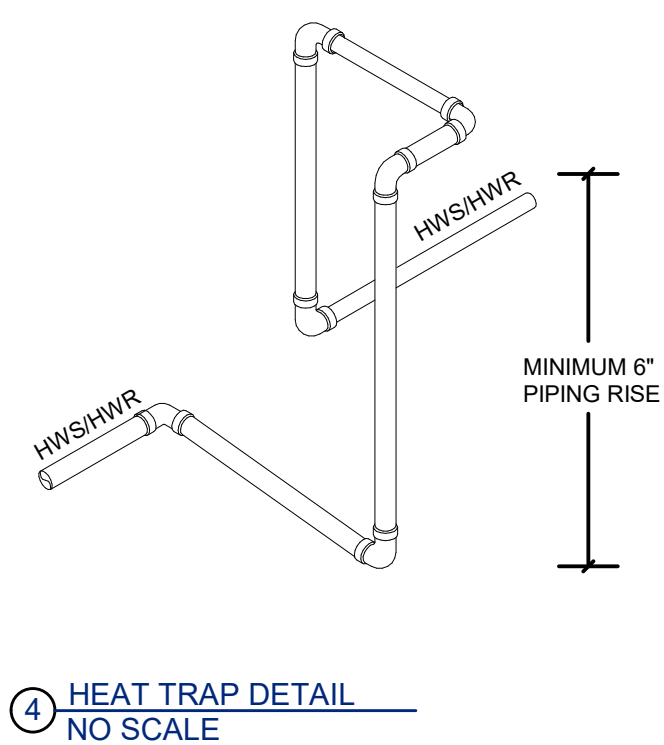
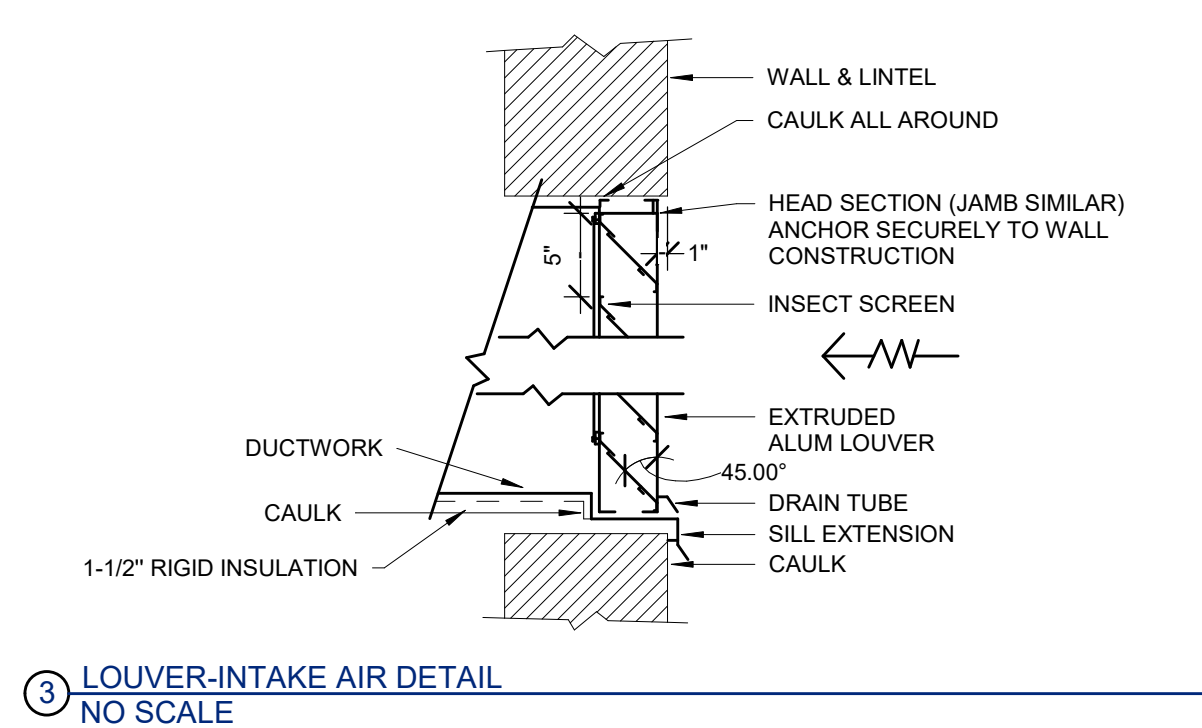
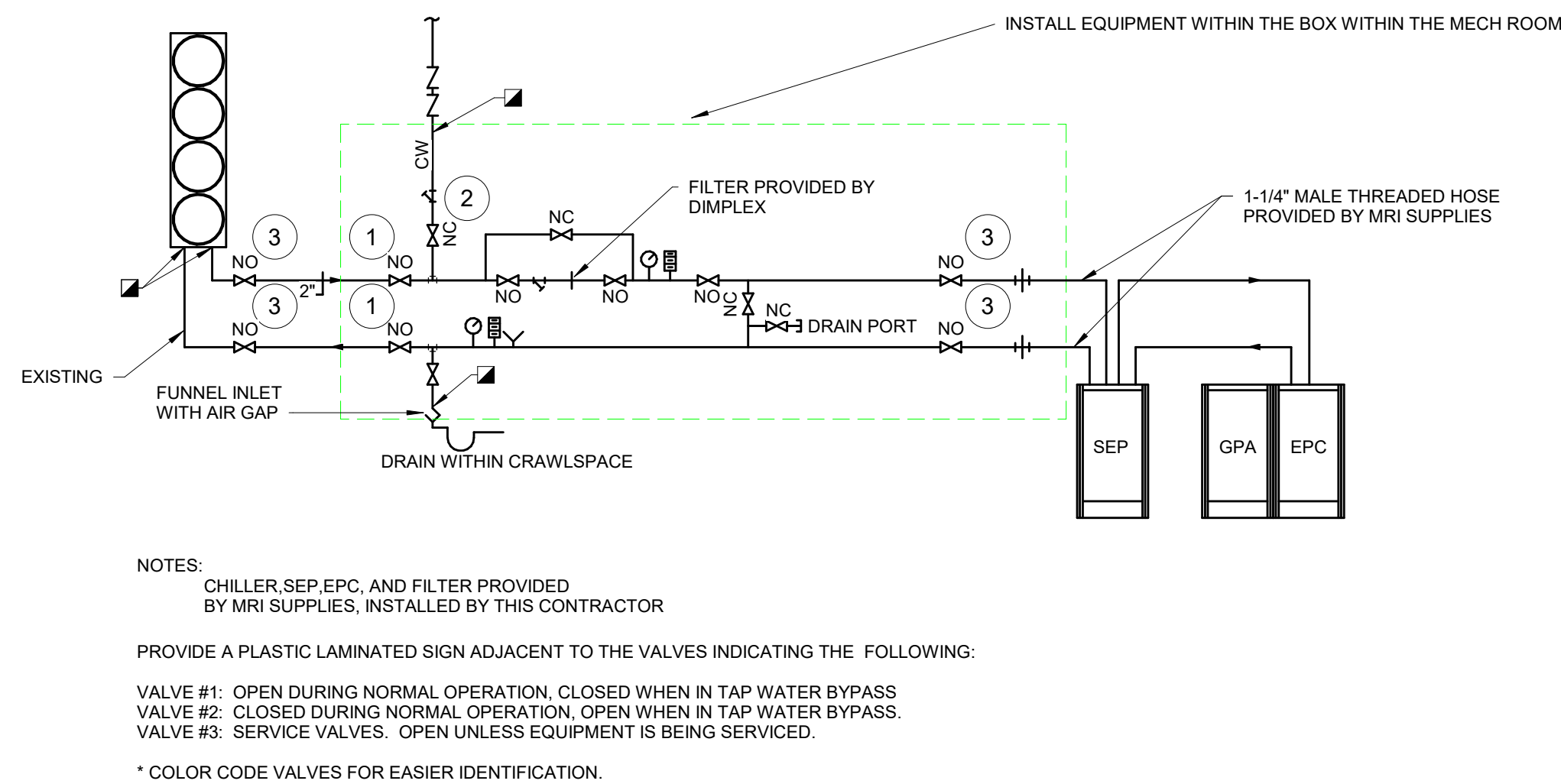
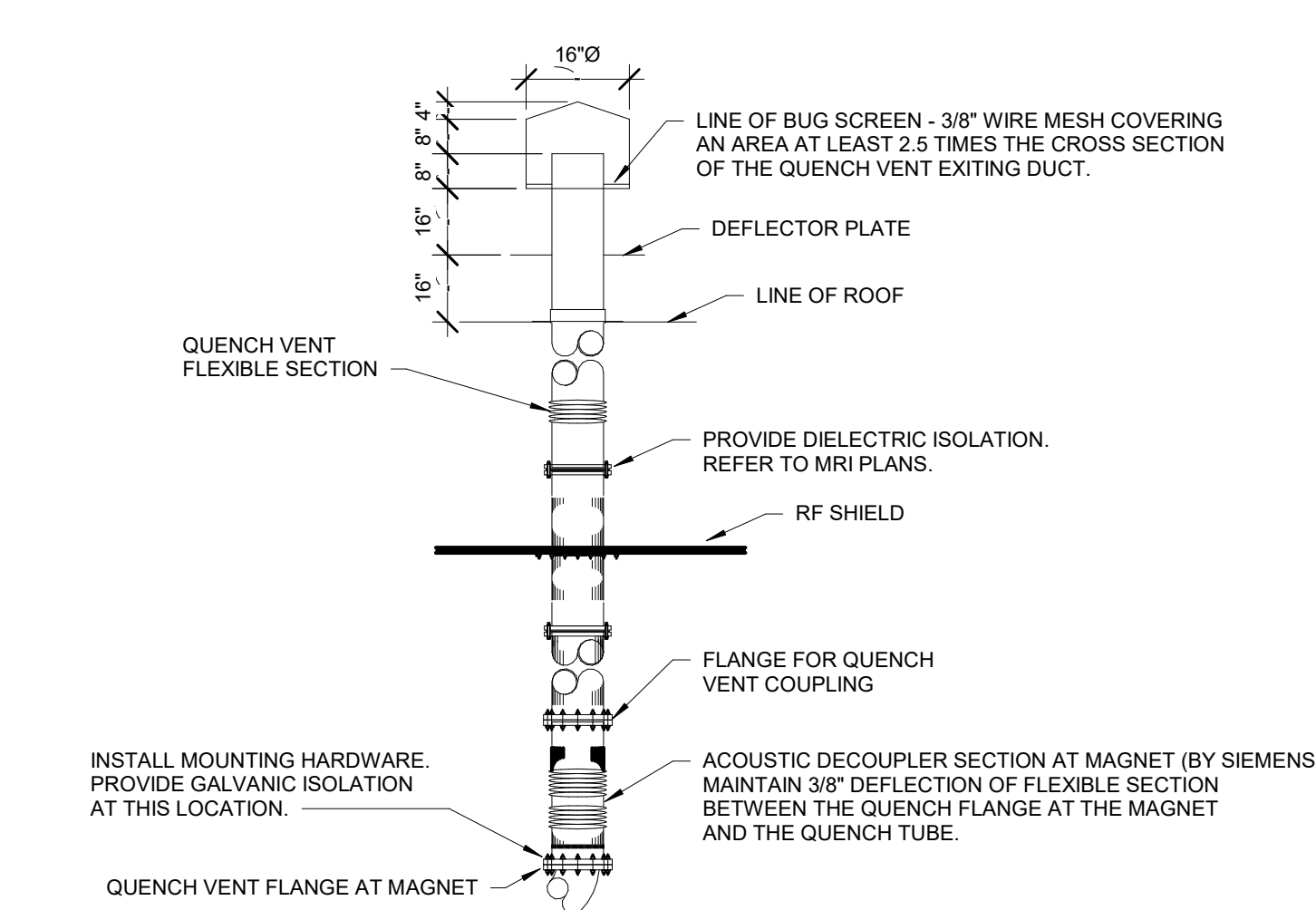
COMMENTS:

- | | |
|---|--|
| 1 | PROVIDE WITH 10 LBS/HR, 3.4 KW STEAM GENERATOR HUMIDIFIER. |
| 2 | PROVIDE WITH A WALL MOUNTED MICROPROCESSOR. |
| 3 | PROVIDE FACTORY START-UP. |
| 4 | UNIT MOUNTED ADVANCED MICROPROCESSOR CONTROL (AM). |
| 5 | 30% FILTERS. |
| 6 | UP-FLOW WITH PLENUM AND DISCHARGE GRILLE. |
| 7 | PROVIDE WITH PLENUM CONTROLLER. PROVIDE DRY CONTACT/ALARM CONNECTION FROM UNIT CONTROLLER TO BOTH JOHNSON CONTROLLER SYSTEM AND SECURITY SYSTEM. |

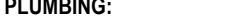
CONDENSING UNIT SCHEDULE													
UNIT TYPE	UNIT NUMBER	MANUFACTURER	MODEL	SERVES	CAPACITY BTUH	AMBIENT TEMP.	REF TYPE	SUCTION TEMPERATURE	SCCR	ELECTRICAL			COMMENTS
										V	PH	MCA	
		DAI ARI INC.	GHG180534							40'			

COMMENTS:

- 1 PROVIDE 6" THICK CONCRETE PAD MINIMUM OF 6" LARGER THAN UNIT IN ALL DIRECTIONS. INSTALL ON 24" STAND
2 PROVIDE FACTORY MOUNTED RECEIVER FOR OPERATION DOWN TO -30 DEG F.
3 PROVIDE WITH HAIL GUARD.
4 PROVIDE 5 YR FULL UNIT PARTS AND LABOR WARRANTY.

[illegible]

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:	STRUCTURAL:
	
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STONE GROUP
ARCHITECTS

Office of
Construction
and Facilities
Management

VA | U.S. Department

Drawing Title	
MECHANICAL DETAILS, SCHEDULES & SYMBOLS	
Approved:	

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC			Project Number VA #56B-C51-301 SGA #201910	
Location FT. MEADE/HOT SPRINGS, SD			Building Number 165 & 12	
Issue Date 13 AUG 2019	Checked [initials]	Drawn [initials]	FM-MJ101	

A FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
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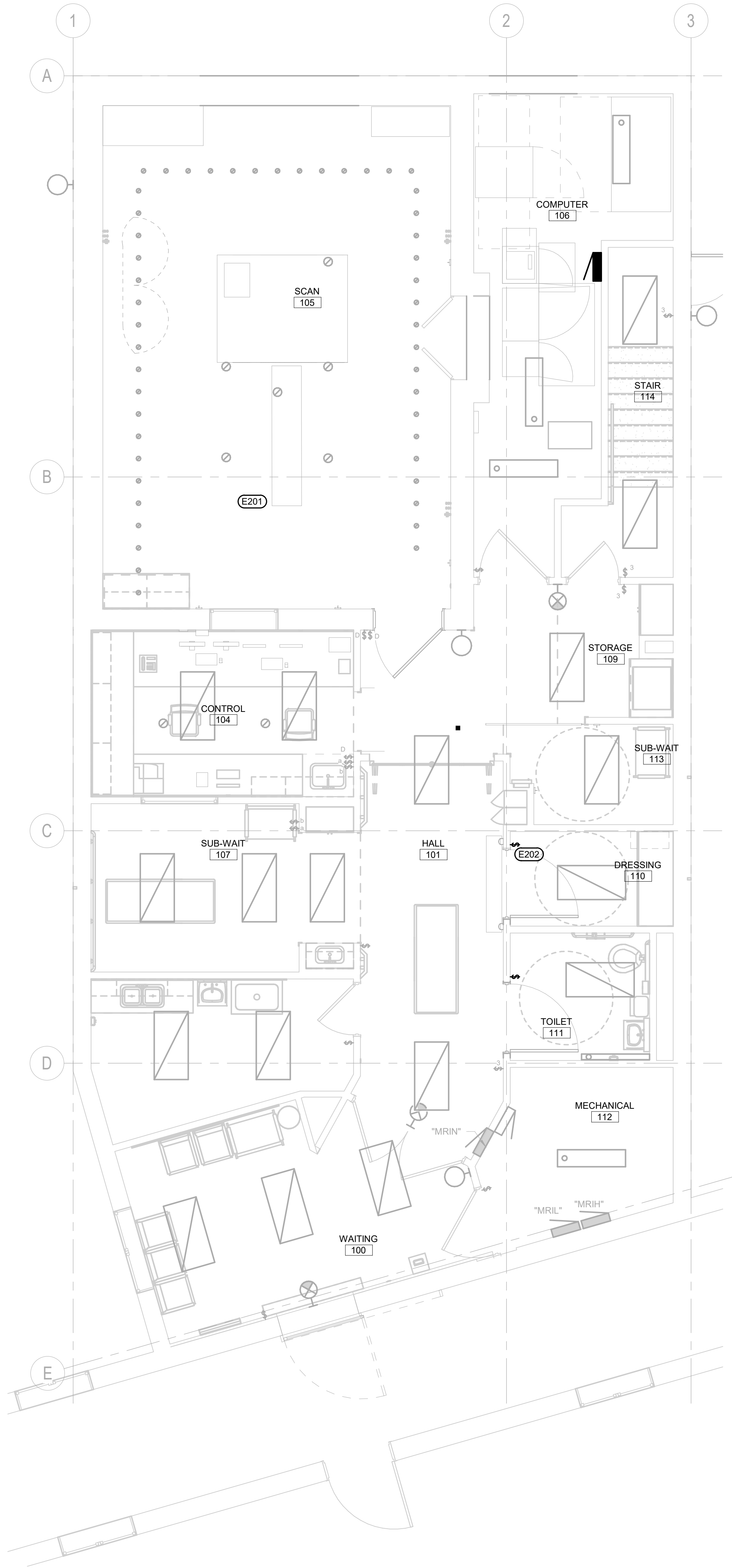
1 1ST LEVEL ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

2 ABOVE CEILING - ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

- ELECTRICAL MISCELLANEOUS NOTES**
- A ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE BASED ON OWNER'S EXISTING PLANS AND ON-SITE REVIEW OF THE FACILITY. QUANTITIES, TYPES, AND LOCATIONS OF ITEMS SHOWN ARE BELIEVED TO BE ACCURATE. HOWEVER, THE ELECTRICAL CONTRACTOR NEEDS TO CONDUCT THEIR OWN ON-SITE REVIEW OF THE EXISTING CONDITIONS PRIOR TO BIDDING. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL AND/OR RELOCATION OF ALL ITEMS TO ACCOMMODATE THE REMODEL PROJECT.
- B ALL ITEMS SHOWN IN DARK PEN ARE TO BE REMOVED OR TREATED AS SPECIFICALLY NOTED OR DESCRIBED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
- C A THIRD-PARTY VENDOR IS TAKING THE EXISTING PHILIPS MRI AND MOST OF THE ASSOCIATED EQUIPMENT. THIS THIRD-PARTY VENDOR HAS THE RIGHT TO TAKE THE FOLLOWING ADDITIONAL ITEMS IF THEY WANT: BY-PASS SWITCH (BP), UPS AND ASSOCIATED BATTERY CABINETS (BC), POWER DISTRIBUTION PANEL (PDP), MAIN DISTRIBUTION UNIT (MDU), DATA ACQUISITION AND CONTROL CABINET (DACC), OPERATOR CONSOLE (OC), INJECTOR HEAD STAND UNIT (HSU), SYSTEM FILTER BOX (SFB), GRADIENT AMPLIFIER CABINET (GAC), AND LIQUID COOLING CABINET (LCC). IF THIS THIRD PARTY DOES NOT WANT ANY OR ALL OF THESE ITEMS THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL OF THOSE ITEMS. CONTRACTOR IS TO ENSURE THAT AS PART OF DEMOLITION THESE ITEMS WILL NOT BE DAMAGED AND SHOULD BE USABLE BY THE THIRD-PARTY VENDOR SHOULD THEY WANT THEM.
- ELECTRICAL SPECIFIC NOTES**
- E101 CONTRACTOR TO INTERCEPT EXISTING FEEDER TO BY-PASS SWITCH (BP) IN THE CRAWL SPACE AND REROUTE TO UPS AS SHOWN IN REVISED POWER ONE-LINE DIAGRAM.
- E102 CONTRACTOR TO DEMO EXISTING BY-PASS SWITCH (BP) AS WELL AS CONDUITS AND FEEDERS TO UPS AND POWER DISTRIBUTION PANEL (PDP). SEE MISCELLANEOUS NOTE C THIS SHEET.
- E103 CONTRACTOR TO DEMO EXISTING UPS AND BOTH BATTERY CABINETS (BC) AS WELL AS CONDUITS AND FEEDERS TO THEM. SEE MISCELLANEOUS NOTE C THIS SHEET.
- E104 CONTRACTOR TO DEMO EXISTING POWER DISTRIBUTION PANEL (PDP) AS WELL AS CONDUITS AND FEEDERS TO IT. SEE MISCELLANEOUS NOTE C THIS SHEET. THE EXISTING CONDUIT THAT FEEDS THE EXISTING CHILLER (CH) IS A 1-1/4" CONDUIT THAT EXTENDS FROM PDP INTO THE CRAWL SPACE BELOW AND OUT TO THE CHILLER. THIS RACEWAY MAYBE REUSED TO THE EXTENT POSSIBLE TO FEED THE NEW WATER CHILLER (WCH).
- E105 CONTRACTOR TO DISCONNECT POWER TO EXISTING CHILLER (CH) SO IT CAN BE DEMOED AND REMOVED. THE EXISTING FEEDER TO THE EXISTING CHILLER (CH) SHALL BE INTERCEPTED AND MODIFIED/EXTENDED TO FEED THE NEW WATER CHILLER (WCH) AT LOCATION SHOWN ON SITE PLAN.
- E106 CONTRACTOR TO DEMO EXISTING POWER TO MAIN DISTRIBUTION UNIT (MDU) AS WELL AS CONDUITS AND FEEDERS TO IT. SEE MISCELLANEOUS NOTE C THIS SHEET. CONTRACTOR TO ALSO DEMO VERTICAL CABLE LADDER TRAY (R1) THAT EXTENDS FROM MDU TO CABLE TRAY (CR3).
- E107 CONTRACTOR TO DEMO EXISTING DATA ACQUISITION AND CONTROL CABINET (DACC) AS WELL AS ASSOCIATED CABLES. SEE MISCELLANEOUS NOTE C THIS SHEET.
- E108 EXISTING JUNCTION BOX (JB) IS 10" (250MM)W X 10" (250MM)H 6" (150MM)D WALL BOX WITH REMOVABLE SCREW-TYPE COVERPLATE SURFACE MOUNTED ABOVE EXISTING CABLE TRAY 2 (CR2). THERE IS AN EXISTING 3/4" CONDUIT FROM IT TO OPERATOR CONSOLE (OC) IN THE CONTROL ROOM. THERE IS ALSO AN EXISTING 1" CONDUIT FROM IT TO INJECTOR HEAD STAND UNIT (HSU) FOR A FIBER OPTIC CABLE. CONTRACTOR TO REMOVE ALL CABLES FROM BOTH CONDUITS.
- E109 EXISTING OPERATOR CONSOLE (OC) IS A 10" (250MM)W X 10" (250MM)H 6" (150MM)D WALL BOX WITH REMOVABLE SCREW-TYPE COVERPLATE FLUSH MOUNTED AT 12" AFF TO BOTTOM OF BOX AT OPERATOR'S CONSOLE (OC). THERE IS AN EXISTING 3/4" CONDUIT FROM OC TO JB IN COMPUTER ROOM. CONDUIT IS ROUTED OUTSIDE OF RF ENCLOSURE. CONTRACTOR TO REMOVE ALL CABLES FROM BOTH CONDUITS.
- E110 EXISTING SYSTEM FILTER BOX (SFB) FOR PHILIPS SYSTEM TO BE REMOVED AND REPLACED BY SIEMENS F1 FILTER BOX. SEE MISCELLANEOUS NOTE C THIS SHEET. ALL EXISTING WIRES AND CABLES THAT ARE ROUTED THROUGH THIS FILTER BOX ARE TO BE REMOVED.
- E111 EXISTING INJECTOR HEAD STAND UNIT (HSU) TO BE REMOVED ALONG WITH EXISTING FIBER OPTIC CABLE. SEE MISCELLANEOUS NOTE C THIS SHEET.
- E112 A GOOD SHARE OF THE EXISTING CEILING IN SCAN 105 WILL BE REMOVED AND THEN REINSTALLED TO ASSIST WITH THE INSTALLATION OF THE NEW MRI EQUIPMENT AND NEW CABLE TRAYS. THE ELECTRICAL CONTRACTOR WILL NEED TO REMOVE AND REINSTALL ANY AND ALL ELECTRICAL ITEMS AS NECESSARY TO ACCOMMODATE THIS WORK.
- E113 EXISTING CABLE TRAYS ABOVE THE CEILING IN SCAN 105 AND COMPUTER 106 IS TO BE REMOVED. THERE ARE TWO CABLE TRAYS ONE ABOVE THE OTHER IN COMPUTER 106. NEW CABLE TRAYS WILL BE INSTALLED AS SHOWN IN REVISED PLAN LAYOUT.
- E114 EXISTING EMERGENCY RUN DOWN BUTTONS (ERB) CONSIST OF 2" (50MM)W X 4" (100MM)H X 2" (50MM)D WITH REMOVABLE SCREW-TYPE COVER PLATE FLUSH MOUNTED AT 70" AFF TO BOTTOM OF BOX AT LOCATIONS SHOWN. THERE IS 3/4" ALUMINUM CONDUIT FROM EACH ERB LOCATION TO SYSTEM FILTER BOX (SFB) FOR CABLES. CONDUITS ARE ROUTED UNDER FLOOR IN CRAWL SPACE. THESE BOXES ARE TO BE REUSED FOR THE NEW EMERGENCY POWER OFF (EPO) BUTTONS AS CALLED IN THE REVISED DRAWINGS.
- E115 THIS IS THE LOCATION OF THE EXISTING PR-IMEDCO RF FILTER BOX. ALL OF THE WIRES AND CABLES NOT SPECIFICALLY ASSOCIATED WITH THE PHILIPS EQUIPMENT SUCH AS WIRE AND CABLE FOR RECEPTACLES, DATA, NURSE CALL, FIRE ALARM, ETC ARE RUN THROUGH FILTERS IN THIS BOX. ANY ITEMS CALLED OUT TO BE REMOVED OR CHANGED SHALL BE DONE IN A MANNER TO PROTECT EXISTING FILTER BOX AND ENSURE REMAINING ITEMS ARE OPERATIONAL.
- E116 EXISTING DOOR SWITCH (DS) WILL REMAIN. THERE IS AN EXISTING 1/2" CONDUIT FROM DS TO DATA ACQUISITION AND CONTROL CABINET (DACC) IN COMPUTER 106. THIS CONDUIT WILL NEED TO BE REROUTED AS NOTED IN THE REVISED DRAWINGS.
- E117 EXISTING CABLES FROM REMOTE CHILLER CONTROLLER (REM) TO BE REMOVED FROM EXISTING 1/2" CONDUIT TO EXISTING CHILLER (CH). THIS CONDUIT WILL BE REUSED FOR NEW CABLES CONTROL CABLES FROM NEW CHILLER REMOTE CONTROL/STATUS PANEL (WCS) TO NEW WATER CHILLER (WCH) AS NOTED IN THE REVISED DRAWINGS. THE EXISTING REM ALSO HAS A 3/4" CONDUIT WITH FOUR #16 THIN STRANDED WIRES TO THE SECURITY PANEL IN ROOM B14B OF BUILDING 113. THESE WIRES NEED TO REMAIN AND SEND ALARM CONDITION TO THE SECURITY PANEL. THIS CONDUIT AND THESE WIRES COMBINE IN THE CRAWL SPACE WITH THE WIRES AND CONDUIT NOTED IN NOTE E132 INTO A SINGLE 3/4" CONDUIT TO ROOM B14B.
- E118 EXISTING PATIENT OBSERVATION CAMERA (POC) TO BE REMOVED ALONG WITH 1" CONDUIT THAT RUNS TO SYSTEM FILTER BOX (SFB).
- E119 CONTRACTOR TO REMOVE ALL EXISTING CAT 5E CABLES AT THESE DATA OUTLETS. THESE CABLE WILL BE REPLACED WITH NEW CAT 6A CABLES AS INDICATED IN THE REVISED DRAWINGS.
- E120 CONTRACTOR TO DEMO EXISTING DATA OUTLET AT THIS LOCATION. CONDUIT FROM THIS ROOM TO THE TELECOM CLOSET MAYBE REUSED TO THE EXTENT POSSIBLE FOR THE NEW DATA OUTLET BEING INSTALLED ON WEST WALL OF COMPUTER 106 AS INDICATED IN THE REVISED DRAWING LAYOUT.
- E121 EXISTING WALL RACEWAY (WR1) TO REMAIN AS IT SUPPORTS EXISTING LED LIGHTING SYSTEM.
- E122 EXISTING DISTRIBUTION BOXES (DBX) ARE TO REMAIN AND ARE PART OF THE LED LIGHTING SYSTEM.
- E123 EXISTING AMBIENT EXPERIENCE FILTER BOX (AEF) TO REMAIN.
- E124 EXISTING AMBIENT EXPERIENCE CABINET (AEC) TO REMAIN.
- E125 THERE ARE TWO CABLE TRAYS ONE ABOVE THE OTHER AT THIS LOCATION. BOTH CABLE TRAYS IN THE HIGHLIGHTED AREA WILL NEED TO REMAIN AND CONTINUE TO HOLD SOME EXISTING CABLE RELATED TO THE AMBIENT EXPERIENCE SYSTEM.
- E126 THE DOORS INTO DRESSING 110 AND TOILET 111 ARE BEING DEMOED AND WIDENED AS A RESULT THE LIGHT SWITCH INSIDE OF EACH ROOM WILL NEED TO BE MOVED AND THE NURSE CALL LIGHT WILL NEED TO BE RELOCATED. A NEW FERROUS DETECTOR WILL ALSO BE ADDED AROUND THE DOOR INTO DRESSING 110. THE NURSE CALL LIGHT WILL ALSO NEED TO BE CLEAR OF THAT DEVICE. CONTRACTOR WILL NEED TO PROVIDE FOR MODIFICATIONS TO CONDUIT, CABLE AND WIRES TO THESE SYSTEMS TO ENSURE PROPER OPERATION AFTER THE PROJECT IS COMPLETE.
- E127 THE CEILING WITHIN WAITING 100 WILL NEED TO BE REMOVED AND REINSTALLED AS PART OF THIS PROJECT TO REROUTE SOME DUCT WORK FROM MECHANICAL 112 TO THE WEST WALL OF WAITING 100. THE ELECTRICAL CONTRACTOR WILL NEED TO ASSIST WITH REMOVAL OF POWER AND OTHER CONNECTIONS TO CEILING MOUNTED ITEMS AS WELL AS ASSISTING WITH THE TEMPORARY REMOVAL AND REINSTALLATION OF THESE ITEMS. SOME MODIFICATIONS TO CONDUIT AND CABLEING MAYBE NECESSARY TO ASSIST WITH THE REROUTING OF THE DUCT WORK. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR THESE MODIFICATIONS. IT IS LIKELY THAT THREE RUNS OF TV R44 COAX THAT TERMINATE IN MECHANICAL 112 WILL NEED TO BE REPULPED WITH NEW CABLE TO TV LOCATIONS WITHIN THE MRI SUITE OF ROOMS.
- E128 THERE IS AN EXISTING SURFACE MOUNTED FIRE ALARM JUNCTION BOX INSTALLED ON THE RIGHT SIDE OF THE DOOR GOING INTO WAITING 100. THIS JUNCTION BOX IS FED BY WAY OF TWO SURFACE MOUNTED WIREWAYS. THE JUNCTION BOX WILL NEED TO BE RAISED. THERE IS ALSO A CONDUIT THAT EXTENDS OUT OF THE BACK OF THE JUNCTION BOX THAT FEEDS THE STROBE ON THE OTHER SIDE OF THE WALL INSIDE OF WAITING 100. THE

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

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1 1ST LEVEL LIGHTING PLAN
1/4" = 1'-0"

ELECTRICAL MISCELLANEOUS NOTES

- A CONTRACTOR SHALL REVIEW SIEMENS MRI INSTALLATION DRAWINGS PRIOR TO BIDDING. ALL WORK SHALL BE COORDINATED WITH THESE DRAWINGS. ALL ITEMS CALLED OUT TO BE CUSTOMER/CONTRACTOR OR CONTRACTOR INSTALLED ARE TO BE INSTALLED AS PART OF THIS PROJECT BY THE CONSTRUCTION CONTRACTORS.
- B ALL CONDUIT AND JUNCTION BOXES INSTALLED WITHIN THE RF ENCLOSURE SHALL BE ALUMINUM. JUNCTION BOXES SHALL HAVE ALUMINUM OR STAINLESS STEEL COVERS (NON-FERROUS CONTAINING) WITH STAINLESS STEEL SCREW. ELECTRICAL RACEWAY SHALL BE INSTALLED WITH REMOVABLE COVERS. THE RACEWAY SHALL BE ACCESSIBLE FOR THE ENTIRE LENGTH EXCEPT WHERE EXTENDING TO ABOVE ACCESSIBLE CEILING OR TO ACCESSIBLE FLOOR WITHIN WALLS. JUNCTION BOXES SHALL BE INSTALLED IN SUCH A MANNER THAT CABLES WILL NOT FALL OUT OF THE BOX WHEN THE COVERS ARE REMOVED. RACEWAY ABOVE CEILING MUST BE KEPT AS NEAR TO THE FINISHED CEILING AS POSSIBLE BUT STILL ALLOW REMOVAL OF CEILING TILE AND OTHER ITEMS MOUNTED IN CEILING. ALL EMPTY RACEWAYS SHALL HAVE A GREENLEE PULL STRING-MEASURING TAPE (PART NO. 435, OR EQUIVALENT) INSTALLED.
- C ALL SECTIONS OF RACEWAY AND CONDUIT ASSOCIATED WITH THE INSTALLATION OF THE NEW MRI UNIT SHALL BE GROUNDED WITH AN INDEPENDENT #8 AWG GREEN WIRE THAT IS TO BE ATTACHED USING SOLDERLESS LUGS. ALL CEILING MOUNTED STRUCTURAL SUPPORT MEMBERS AND CEILING PLATES SHALL ALSO BE GROUNDED. ALL GROUNDING CONNECTIONS, TERMINALS, ETC SHALL BE INSTALLED IN A MANNER TO PROVIDE ACCESSIBILITY FOR INSPECTION, MAINTENANCE, REPAIR, ETC.
- D ALL CIRCUITS ENTERING THE MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FILTER SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CIRCUITS ENTERING THE RF ENCLOSURE FOR LIGHTS AND RECEPTACLES SHALL HAVE A GROUND WIRE SIZED PER NEC FROM THE PANEL TO THE DEVICES AS WELL AS A #8 BOND WIRE INSTALLED FROM THE PROTECTIVE EARTH (PE) GROUND BUS BAR AND TO THE SPECIFIC DEVICES.

ELECTRICAL SPECIFIC NOTES

- E201 A GOOD SHARE OF THE EXISTING CEILING IN SCAN 105 WILL BE REMOVED AND THEN REINSTALLED TO ASSIST WITH THE INSTALLATION OF THE NEW MRI EQUIPMENT AND NEW CABLE TRAYS. THE ELECTRICAL CONTRACTOR WILL NEED TO REMOVE AND REINSTALL ANY AND ALL ELECTRICAL/SIGNAL ITEMS AS NECESSARY TO ACCOMMODATE THIS WORK.
- E202 WHEN CONTRACTOR RELOCATES THE LIGHT SWITCH IN DRESSING 110 COORDINATE FINAL LOCATION WITH FERRO DETECTOR SYSTEM TO ENSURE THE CONDUIT, WIRING AND SWITCH DO NOT INTERFERE WITH THE DETECTOR SYSTEM.

Revision#	Description	Date:

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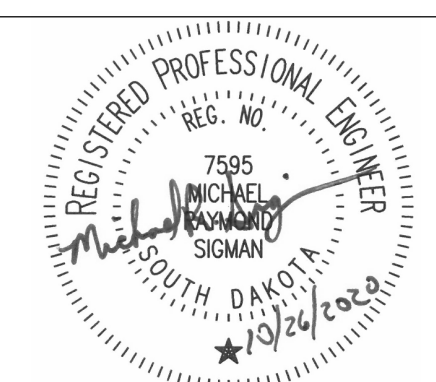
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Office of
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and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

1ST LEVEL LIGHTING PLAN

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
MRS

Drawn
VLS

Project Number

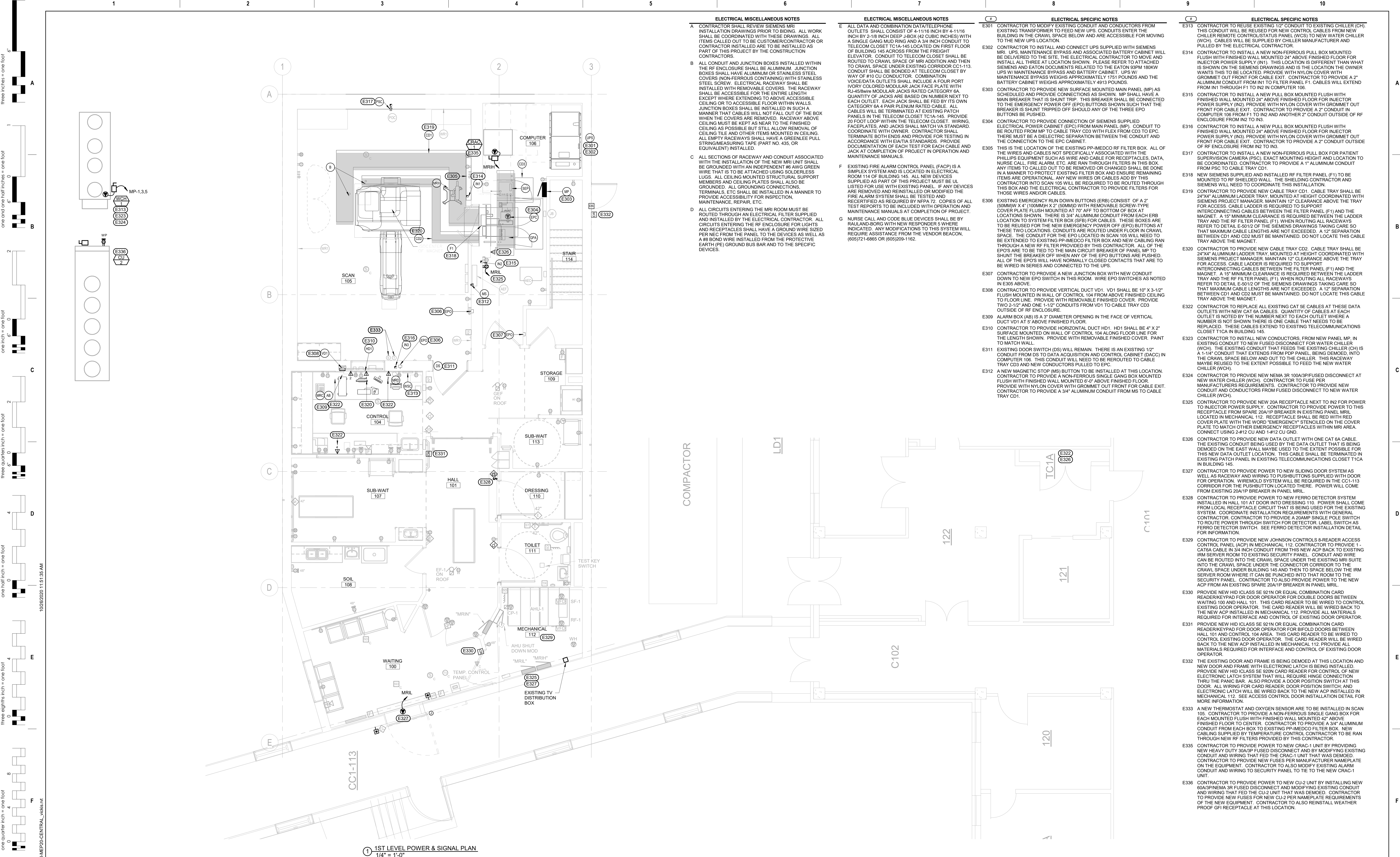
VA #568-CSI-301
SGA #201910

Building Number

165 & 12

Drawing Number

FM-EE102



- ELECTRICAL MISCELLANEOUS NOTES**
- A CONTRACTOR SHALL REVIEW SIEMENS MRI INSTALLATION DRAWINGS PRIOR TO BIDDING. ALL WORK SHALL BE COORDINATED WITH THESE DRAWINGS. ALL ITEMS CALLED OUT TO BE CUSTOMER/CONTRACTOR OR CONTRACTOR INSTALLED ARE TO BE INSTALLED AS PART OF THIS PROJECT BY THE CONSTRUCTION CONTRACTORS.
- B ALL CONDUIT AND JUNCTION BOXES INSTALLED WITHIN THE RF ENCLOSURE SHALL BE ALUMINUM. JUNCTION BOXES SHALL HAVE ALUMINUM OR STAINLESS STEEL COVERS (NON-FERROUS CONTAINING) WITH STAINLESS STEEL SCREWS. ELECTRICAL RACEWAY SHALL BE INSTALLED WITH REMOVABLE COVERS. THE RACEWAY SHALL BE ACCESSIBLE FOR THE ENTIRE LENGTH EXCEPT WHERE EXTENDING TO ABOVE ACCESSIBLE CEILING OR TO ACCESSIBLE FLOOR WITHIN WALLS. JUNCTION BOXES SHALL BE INSTALLED IN SUCH A MANNER THAT CABLES WILL NOT FALL OUT OF THE BOX WHEN THE COVERS ARE REMOVED. RACEWAY ABOVE CEILING MUST BE KEPT AS NEAR TO THE FINISHED CEILING AS POSSIBLE BUT STILL ALLOW REMOVAL OF CEILING TILE AND OTHER ITEMS MOUNTED IN CEILING. ALL EMPTY RACEWAYS SHALL HAVE A GREENLEE PULL STRING/MEASURING TAPE (PART NO. 435, OR EQUIVALENT) INSTALLED.
- C ALL SECTIONS OF RACEWAY AND CONDUIT ASSOCIATED WITH THE INSTALLATION OF THE NEW MRI UNIT SHALL BE GROUNDED WITH AN INDEPENDENT #6 AWG GREEN WIRE THAT IS TO BE ATTACHED USING SOLDERLESS LUGS. ALL CEILING MOUNTED STRUCTURAL SUPPORT MEMBERS AND CEILING PLATES SHALL ALSO BE GROUNDED. ALL GROUNDING CONNECTIONS, TERMINALS, ETC SHALL BE INSTALLED IN A MANNER TO PROVIDE ACCESSIBILITY FOR INSPECTION, MAINTENANCE, REPAIR, ETC.
- D ALL CIRCUITS ENTERING THE MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FILTER SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CIRCUITS ENTERING THE RF ENCLOSURE FOR LIGHTS AND RECEPTACLES SHALL HAVE A GROUND WIRE SIZED PER NEC FROM THE PANEL TO THE DEVICES AS WELL AS A #8 BOND WIRE INSTALLED FROM THE PROTECTIVE EARTH (PE) GROUND BUS BAR AND TO THE SPECIFIC DEVICES.
- ELECTRICAL MISCELLANEOUS NOTES**
- E ALL DATA AND COMBINATION DATA/TELEPHONE OUTLETS SHALL CONSIST OF 4-11/16 INCH BY 4-11/16 INCH BY 2-1/8 INCH DEEP J-BOX (42 CUBIC INCHES) WITH A SINGLE GANG MUD RING AND A 3/4 INCH CONDUIT TO TELECOM CLOSET TC1A-145 LOCATED ON FIRST FLOOR OF BUILDING 145 ACROSS FROM THE FREIGHT ELEVATOR. CONDUIT TO TELECOM CLOSET SHALL BE ROUTED TO CRAWL SPACE UNDER EXISTING CORRIDOR CC1-113. CONDUIT SHALL BE BONDED AT TELECOM CLOSET BY WAY OF #10 CU CONDUCTOR. COMBINATION VOICE/DATA OUTLETS SHALL INCLUDE A FOUR PORT IVORY COLORED MODULAR JACK FACE PLATE WITH RJ-45/568B MODULAR JACKS RATED CATEGORY 6A. QUANTITY OF JACKS ARE BASED ON NUMBER NEXT TO EACH OUTLET. EACH JACK SHALL BE FED BY ITS OWN CATEGORY 6A 4 PAIR PLENUM RATED CABLE. ALL CABLES WILL BE TERMINATED AT EXISTING PATCH PANELS IN THE TELECOM CLOSET TC1A-145. PROVIDE 20 FOOT LOOP WITHIN THE TELECOM CLOSET. WIRING, FACEPLATES, AND JACKS SHALL MATCH VA STANDARD. COORDINATE WITH OWNER. CONTRACTOR SHALL TERMINATE BOTH ENDS AND PROVIDE FOR TESTING IN ACCORDANCE WITH EIA/TIA STANDARDS. PROVIDE DOCUMENTATION OF EACH TEST FOR EACH CABLE AND JACK AT COMPLETION OF PROJECT IN OPERATION AND MAINTENANCE MANUALS.
- F EXISTING FIRE ALARM CONTROL PANEL (FACP) IS A SIMPLEX SYSTEM AND IS LOCATED IN ELECTRICAL ROOM 114 OF BUILDING 145. ALL NEW DEVICES SUPPLIED AS PART OF THIS PROJECT MUST BE UL LISTED FOR USE WITH EXISTING PANEL. IF ANY DEVICES ARE REMOVED AND REINSTALLED OR MODIFIED THE FIRE ALARM SYSTEM SHALL BE TESTED AND RECERTIFIED AS REQUIRED BY NFPA 72. COPIES OF ALL TEST REPORTS TO BE INCLUDED WITH OPERATION AND MAINTENANCE MANUALS AT COMPLETION OF PROJECT.
- G NURSE CALL AND CODE BLUE DEVICES SHALL BE BY RAULAND-BORG WITH NEW RESPONDER WHERE INDICATED. ANY MODIFICATIONS TO THIS SYSTEM WILL REQUIRE ASSISTANCE FROM THE VENDOR BEACON, (605)721-6865 OR (605)209-1162.
- ELECTRICAL SPECIFIC NOTES**
- E301 CONTRACTOR TO MODIFY EXISTING CONDUIT AND CONDUCTORS FROM EXISTING TRANSFORMER TO FEED NEW UPS. CONDUITS ENTER THE BUILDING IN THE CRAWL SPACE BELOW AND ARE ACCESSIBLE FOR MOVING TO THE NEW UPS LOCATION.
- E302 CONTRACTOR TO INSTALL AND CONNECT UPS SUPPLIED WITH SIEMENS MRI. UPS, MAINTENANCE BYPASS AND ASSOCIATED BATTERY CABINET WILL BE DELIVERED TO THE SITE. THE ELECTRICAL CONTRACTOR TO MOVE AND INSTALL ALL THREE AT LOCATION SHOWN. PLEASE REFER TO ATTACHED SIEMENS AND EATON DOCUMENTS RELATED TO THE EATON 80PM 180KW UPS W/ MAINTENANCE BYPASS AND BATTERY CABINET. UPS W/ MAINTENANCE BYPASS WEIGHS APPROXIMATELY 1751 POUNDS AND THE BATTERY CABINET WEIGHS APPROXIMATELY 4913 POUNDS.
- E303 CONTRACTOR TO PROVIDE NEW SURFACE MOUNTED MAIN PANEL (MP) AS SCHEDULED AND PROVIDE CONNECTIONS AS SHOWN. MP SHALL HAVE A MAIN BREAKER THAT IS SHUNT TRIP. THIS BREAKER SHALL BE CONNECTED TO THE EMERGENCY POWER OFF (EPO) BUTTONS SHOWN SUCH THAT THE BREAKER IS SHUNT TRIPPED OFF SHOULD ANY OF THE THREE EPO BUTTONS BE PUSHED.
- E304 CONTRACTOR TO PROVIDE CONNECTION OF SIEMENS SUPPLIED ELECTRICAL POWER CABINET (EPC) FROM MAIN PANEL (MP). CONDUIT TO BE ROUTED FROM MP TO CABLE TRAY CD3 WITH FLEX FROM CD3 TO EPC. THERE MUST BE A DIELECTRIC SEPARATION BETWEEN THE CONDUIT AND THE CONNECTION TO THE EPC CABINET.
- E305 THIS IS THE LOCATION OF THE EXISTING PP-IMEDCO RF FILTER BOX. ALL OF THE WIRES AND CABLES NOT SPECIFICALLY ASSOCIATED WITH THE PHILLIPS EQUIPMENT SUCH AS WIRE AND CABLE FOR RECEPTACLES, DATA, NURSE CALL, FIRE ALARM, ETC. ARE RAN THROUGH FILTERS IN THIS BOX. ANY ITEMS TO CALLED OUT TO BE REMOVED OR CHANGED SHALL BE DONE IN A MANNER TO PROTECT EXISTING FILTER BOX AND ENSURE REMAINING ITEMS ARE OPERATIONAL. ANY NEW WIRES OR CABLES ADD BY THIS CONTRACTOR INTO SCAN 105 WILL BE REQUIRED TO BE ROUTED THROUGH THIS BOX AND THE ELECTRICAL CONTRACTOR TO PROVIDE FILTERS FOR THOSE WIRES AND/OR CABLES.
- E306 EXISTING EMERGENCY RUN DOWN BUTTONS (ERB) CONSIST OF A 2" (50MM) X 4" (100MM) X 2" (50MM) WITH REMOVABLE SCREW-TYPE COVER PLATE FLUSH MOUNTED AT 70" AFF TO BOTTOM OF BOX AT LOCATIONS SHOWN. THERE IS 3/4" ALUMINUM CONDUIT FROM EACH ERB LOCATION TO SYSTEM FILTER BOX (FB) FOR CABLES. THESE BOXES ARE TO BE REUSED FOR THE NEW EMERGENCY POWER OFF (EPO) BUTTONS AT THESE TWO LOCATIONS. CONDUITS ARE ROUTED UNDER FLOOR IN CRAWL SPACE. THE CONDUIT FOR THE EPO LOCATED IN SCAN 105 WILL NEED TO BE EXTENDED TO EXISTING PP-IMEDCO FILTER BOX AND NEW CABLING RAN THROUGH A NEW RF FILTER PROVIDED BY THIS CONTRACTOR. ALL OF THE EPO'S ARE TO BE TIED TO THE MAIN CIRCUIT BREAKER OF PANEL MP TO SHUNT THE BREAKER OFF WHEN ANY OF THE EPO BUTTONS ARE PUSHED. ALL OF THE EPO'S WILL HAVE NORMALLY CLOSED CONTACTS THAT ARE TO BE WIRED IN SERIES AND CONNECTED TO THE UPS.
- E307 CONTRACTOR TO PROVIDE A NEW JUNCTION BOX WITH NEW CONDUIT DOWN TO NEW EPO SWITCH IN THIS ROOM. WIRE EPO SWITCHES AS NOTED IN E305S ABOVE.
- E308 CONTRACTOR TO PROVIDE VERTICAL DUCT VD1. VD1 SHALL BE 10" X 3-1/2" FLUSH MOUNTED IN WALL OF CONTROL 104 FROM ABOVE FINISHED CEILING TO FLOOR LINE. PROVIDE WITH REMOVABLE FINISHED COVER. PROVIDE TWO 2-1/2" AND ONE 1-1/2" CONDUITS FROM VD1 TO CABLE TRAY CD3 OUTSIDE OF RF ENCLOSURE.
- E309 ALARM BOX (AB) IS A 2" DIAMETER OPENING IN THE FACE OF VERTICAL DUCT VD1 AT 5' ABOVE FINISHED FLOOR.
- E310 CONTRACTOR TO PROVIDE HORIZONTAL DUCT HD1. HD1 SHALL BE 4" X 2" SURFACE MOUNTED ON WALL OF CONTROL 104 ALONG FLOOR LINE FOR LENGTH SHOWN. PROVIDE WITH REMOVABLE FINISHED COVER. PAINT TO MATCH WALL.
- E311 EXISTING DOOR SWITCH (DS) WILL REMAIN. THERE IS AN EXISTING 12" CONDUIT FROM DS TO DATA ACQUISITION AND CONTROL CABINET (DACC) IN COMPUTER 106. THIS CONDUIT WILL NEED TO BE REROUTED TO CABLE TRAY CD3 AND NEW CONDUCTORS PULLED TO EPC.
- E312 A NEW MAGNETIC STOP (MS) BUTTON TO BE INSTALLED AT THIS LOCATION. CONTRACTOR TO PROVIDE A NON-FERROUS SINGLE GANG BOX MOUNTED FLUSH WITH FINISHED WALL MOUNTED 24" ABOVE FINISHED FLOOR. PROVIDE WITH NYLON COVER WITH GROMMET OUT FRONT FOR CABLE EXIT. CONTRACTOR TO PROVIDE A 3/4" ALUMINUM CONDUIT FROM MS TO CABLE TRAY CD1.
- ELECTRICAL SPECIFIC NOTES**
- E313 CONTRACTOR TO REUSE EXISTING 12" CONDUIT TO EXISTING CHILLER (CH). THIS CONDUIT WILL BE REUSED FOR NEW CONTROL CABLES FROM NEW CHILLER REMOTE CONTROL STATUS PANEL (WCS) TO NEW WATER CHILLER (WCH). CABLES WILL BE SUPPLIED BY CHILLER MANUFACTURER AND PULLED BY THE ELECTRICAL CONTRACTOR.
- E314 CONTRACTOR TO INSTALL A NEW NON-FERROUS PULL BOX MOUNTED FLUSH WITH FINISHED WALL MOUNTED 24" ABOVE FINISHED FLOOR FOR INJECTOR POWER SUPPLY (IN1). THIS LOCATION IS DIFFERENT THAN WHAT IS SHOWN ON THE SIEMENS DRAWINGS AND IS THE LOCATION THE OWNER WANTS THIS TO BE LOCATED. PROVIDE WITH NYLON COVER WITH GROMMET OUT FRONT FOR CABLE EXIT. CONTRACTOR TO PROVIDE A 2" ALUMINUM CONDUIT FROM IN1 TO FILTER PANEL F1. CABLES WILL EXTEND FROM IN1 THROUGH F1 TO IN2 IN COMPUTER 106.
- E315 CONTRACTOR TO INSTALL A NEW PULL BOX MOUNTED FLUSH WITH FINISHED WALL MOUNTED 24" ABOVE FINISHED FLOOR FOR INJECTOR POWER SUPPLY (IN2). PROVIDE WITH NYLON COVER WITH GROMMET OUT FRONT FOR CABLE EXIT. CONTRACTOR TO PROVIDE A 2" CONDUIT IN COMPUTER 106 FROM F1 TO IN2 AND ANOTHER 2" CONDUIT OUTSIDE OF RF ENCLOSURE FROM IN2 TO IN3.
- E316 CONTRACTOR TO INSTALL A NEW PULL BOX MOUNTED FLUSH WITH FINISHED WALL MOUNTED 24" ABOVE FINISHED FLOOR FOR INJECTOR POWER SUPPLY (IN3). PROVIDE WITH NYLON COVER WITH GROMMET OUT FRONT FOR CABLE EXIT. CONTRACTOR TO PROVIDE A 2" CONDUIT OUTSIDE OF RF ENCLOSURE FROM IN2 TO IN3.
- E317 CONTRACTOR TO INSTALL A NEW NON-FERROUS PULL BOX FOR PATIENT SUPERVISION CAMERA (PSC). EXACT MOUNTING HEIGHT AND LOCATION TO BE COORDINATED. CONTRACTOR TO PROVIDE A 1" ALUMINUM CONDUIT FROM PSC TO CABLE TRAY CD1.
- E318 NEW SIEMENS SUPPLIED AND INSTALLED RF FILTER PANEL (F1) TO BE MOUNTED TO RF SHIELDED WALL. THE SHIELDING CONTRACTOR AND SIEMENS WILL NEED TO COORDINATE THIS INSTALLATION.
- E319 CONTRACTOR TO PROVIDE NEW CABLE TRAY CD1. CABLE TRAY SHALL BE 24"X4" ALUMINUM LADDER TRAY. MOUNTED AT HEIGHT COORDINATED WITH SIEMENS PROJECT MANAGER. MAINTAIN 12" CLEARANCE ABOVE THE TRAY FROM PSC TO CABLE TRAY CD1. CABLE TRAY SHALL BE MOUNTED TO RF SHIELDED WALL. THE SHIELDING CONTRACTOR AND SIEMENS WILL NEED TO COORDINATE THIS INSTALLATION.
- E320 CONTRACTOR TO PROVIDE NEW CABLE TRAY CD2. CABLE TRAY SHALL BE 24"X4" ALUMINUM LADDER TRAY. MOUNTED AT HEIGHT COORDINATED WITH SIEMENS PROJECT MANAGER. MAINTAIN 12" CLEARANCE ABOVE THE TRAY FOR ACCESS. CABLE LADDER IS REQUIRED TO SUPPORT INTERCONNECTING CABLES BETWEEN THE FILTER PANEL (F1) AND THE MAGNET. A 15" MINIMUM CLEARANCE IS REQUIRED BETWEEN THE LADDER TRAY AND THE RF FILTER PANEL (F1). WHEN ROUTING ALL RACEWAYS REFER TO DETAIL E-501/2 OF THE SIEMENS DRAWINGS TAKING CARE SO THAT MAXIMUM CABLE LENGTHS ARE NOT EXCEEDED. A 12" SEPARATION BETWEEN CD1 AND CD2 MUST BE MAINTAINED. DO NOT LOCATE THIS CABLE TRAY ABOVE THE MAGNET.
- E321 CONTRACTOR TO PROVIDE NEW CABLE TRAY CD2. CABLE TRAY SHALL BE 24"X4" ALUMINUM LADDER TRAY. MOUNTED AT HEIGHT COORDINATED WITH SIEMENS PROJECT MANAGER. MAINTAIN 12" CLEARANCE ABOVE THE TRAY FOR ACCESS. CABLE LADDER IS REQUIRED TO SUPPORT INTERCONNECTING CABLES BETWEEN THE FILTER PANEL (F1) AND THE MAGNET. A 15" MINIMUM CLEARANCE IS REQUIRED BETWEEN THE LADDER TRAY AND THE RF FILTER PANEL (F1). WHEN ROUTING ALL RACEWAYS REFER TO DETAIL E-501/2 OF THE SIEMENS DRAWINGS TAKING CARE SO THAT MAXIMUM CABLE LENGTHS ARE NOT EXCEEDED. A 12" SEPARATION BETWEEN CD1 AND CD2 MUST BE MAINTAINED. DO NOT LOCATE THIS CABLE TRAY ABOVE THE MAGNET.
- E322 CONTRACTOR TO REPLACE ALL EXISTING CAT 5E CABLES AT THESE DATA OUTLETS WITH NEW CAT 6A CABLES. QUANTITY OF CABLES AT EACH OUTLET IS NOTED BY THE NUMBER NEXT TO EACH OUTLET WHERE A NUMBER IS NOT SHOWN THERE IS ONE CABLE THAT NEEDS TO BE REPLACED. THESE CABLES EXTEND TO EXISTING TELECOMMUNICATIONS CLOSET 110A IN BUILDING 145.
- E323 CONTRACTOR TO INSTALL NEW CONDUCTORS FROM NEW PANEL MP IN EXISTING CONDUIT TO NEW FUSED DISCONNECT FOR WATER CHILLER (WCH). THE EXISTING CONDUIT THAT FEEDS THE EXISTING CHILLER (CH) IS 1 1/4" CONDUIT THAT EXTENDS FROM POP PANEL, BEING DEMOED, INTO THE CRAWL SPACE BELOW AND OUT TO THE CHILLER. THIS RACEWAY MAYBE REUSED TO THE EXTENT POSSIBLE TO FEED THE NEW WATER CHILLER (WCH).
- E324 CONTRACTOR TO PROVIDE NEW NEMA 3R 100A/3P/FUSED DISCONNECT AT NEW WATER CHILLER (WCH). CONTRACTOR TO FUSE PER MANUFACTURERS REQUIREMENTS. CONTRACTOR TO PROVIDE NEW CONDUIT AND CONDUCTORS FROM FUSED DISCONNECT TO NEW WATER CHILLER (WCH).
- E325 CONTRACTOR TO PROVIDE NEW 20A RECEPTACLE NEXT TO IN2 FOR POWER TO INJECTOR POWER SUPPLY. CONTRACTOR TO PROVIDE POWER TO THIS RECEPTACLE FROM SPARE 20A/1P BREAKER IN EXISTING PANEL MRIL LOCATED IN MECHANICAL 112. RECEPTACLE SHALL BE RED WITH RED COVER PLATE WITH THE WORD "EMERGENCY" STENCILED ON THE COVER PLATE TO MATCH OTHER EMERGENCY RECEPTACLES WITHIN MRI AREA. CONNECT USING 2-#12 CU AND 1-#12 CU GND.
- E326 CONTRACTOR TO PROVIDE NEW DATA OUTLET WITH ONE CAT 6A CABLE. THE EXISTING CONDUIT BEING USED BY THE DATA OUTLET THAT IS BEING DEMOED ON THE EAST WALL MAYBE USED TO THE EXTENT POSSIBLE FOR THIS NEW DATA OUTLET LOCATION. THIS CABLE SHALL BE TERMINATED IN EXISTING PATCH PANEL IN EXISTING TELECOMMUNICATIONS CLOSET 110A IN BUILDING 145.
- E327 CONTRACTOR TO PROVIDE POWER TO NEW SLIDING DOOR SYSTEM AS WELL AS RACEWAY AND WIRING TO PUSHBUTTONS SUPPLIED WITH DOOR FOR OPERATION. WIREMOLD SYSTEM WILL BE REQUIRED IN THE CC1-113 CORRIDOR FOR THE PUSHBUTTON LOCATED THERE. POWER WILL COME FROM EXISTING 20A/1P BREAKERS IN PANEL MRIL.
- E328 CONTRACTOR TO PROVIDE POWER TO NEW FERRO DETECTOR SYSTEM INSTALLED IN HALL 101 AT DOOR INTO DRESSING 110. POWER SHALL COME FROM LOCAL RECEPTACLE CIRCUIT THAT IS BEING USED FOR THE EXISTING SYSTEM. COORDINATE INSTALLATION REQUIREMENTS WITH GENERAL CONTRACTOR. CONTRACTOR TO PROVIDE A 20AMP SINGLE POLE SWITCH TO ROUTE POWER THROUGH SWITCH FOR DETECTOR. LABEL SWITCH AS FERRO DETECTOR SWITCH. SEE FERRO DETECTOR INSTALLATION DETAIL FOR INFORMATION.
- E329 CONTRACTOR TO PROVIDE NEW JOHNSON CONTROLS 8-READER ACCESS CONTROL PANEL (ACP) IN MECHANICAL 112. CONTRACTOR TO PROVIDE CAT6A CABLE IN 3/4 INCH CONDUIT FROM THIS NEW ACP BACK TO EXISTING RM SERVER ROOM TO EXISTING SECURITY PANEL. CONDUIT AND WIRE CAN BE ROUTED INTO THE CRAWL SPACE UNDER THE EXISTING MRI SUITE INTO THE CRAWL SPACE UNDER THE CONNECTOR CORRIDOR TO THE CRAWL SPACE UNDER BUILDING 145 AND THEN TO SPACE BELOW THE RM SERVER ROOM WHERE IT CAN BE PUNCHED INTO THAT ROOM TO THE SECURITY PANEL. CONTRACTOR TO ALSO PROVIDE POWER TO THE NEW ACP FROM AN EXISTING SPARE 20A/1P BREAKER IN PANEL MRIL.
- E330 PROVIDE NEW HID ICLASS SE 921N OR EQUAL COMBINATION CARD READER/KEYPAD FOR DOOR OPERATOR FOR DOUBLE DOORS BETWEEN WAITING 100 AND HALL 101. THIS CARD READER TO BE WIRED TO CONTROL EXISTING DOOR OPERATOR. THE CARD READER WILL BE WIRED BACK TO THE NEW ACP INSTALLED IN MECHANICAL 112. PROVIDE ALL MATERIALS REQUIRED FOR INTERFACE AND CONTROL OF EXISTING DOOR OPERATOR.
- E331 PROVIDE NEW HID ICLASS SE 921N OR EQUAL COMBINATION CARD READER/KEYPAD FOR DOOR OPERATOR FOR BIFOLD DOORS BETWEEN HALL 101 AND CONTROL 104 AREA. THIS CARD READER TO BE WIRED TO CONTROL EXISTING DOOR OPERATOR. THE CARD READER WILL BE WIRED BACK TO THE NEW ACP INSTALLED IN MECHANICAL 112. PROVIDE ALL MATERIALS REQUIRED FOR INTERFACE AND CONTROL OF EXISTING DOOR OPERATOR.
- E332 THE EXISTING DOOR AND FRAME IS BEING DEMOED AT THIS LOCATION AND NEW DOOR AND FRAME WITH ELECTRONIC LATCH IS BEING INSTALLED. PROVIDE NEW HID ICLASS SE 921N CARD READER FOR CONTROL OF NEW ELECTRONIC LATCH SYSTEM THAT WILL REQUIRE HINGE CONNECTION THRU THE PANIC BAR. ALSO PROVIDE A DOOR POSITION SWITCH AT THIS DOOR. ALL WIRING FOR CARD READER, DOOR POSITION SWITCH, AND ELECTRONIC LATCH WILL BE WIRED BACK TO THE NEW ACP INSTALLED IN MECHANICAL 112. SEE ACCESS CONTROL DOOR INSTALLATION DETAIL FOR MORE INFORMATION.
- E333 A NEW THERMOSTAT AND OXYGEN SENSOR ARE TO BE INSTALLED IN SCAN 105. CONTRACTOR TO PROVIDE A NON-FERROUS SINGLE GANG BOX FOR EACH MOUNTED FLUSH WITH FINISHED WALL MOUNTED 42" ABOVE FINISHED FLOOR TO CENTER. CONTRACTOR TO PROVIDE A 3/4" ALUMINUM CONDUIT FROM EACH BOX TO EXISTING PP-IMEDCO FILTER BOX. NEW CABLING SUPPLIED BY TEMPERATURE CONTROL CONTRACTOR TO BE RAN THROUGH NEW RF FILTERS PROVIDED BY THIS CONTRACTOR.
- E335 CONTRACTOR TO PROVIDE POWER TO NEW CRAC-1 UNIT BY PROVIDING NEW HEAVY DUTY 30A/3P FUSED DISCONNECT AND BY MODIFYING EXISTING CONDUIT AND WIRING THAT FED THE CRAC-1 UNIT THAT WAS DEMOED. CONTRACTOR TO PROVIDE NEW FUSES PER MANUFACTURER NAMEPLATE ON THE EQUIPMENT. CONTRACTOR TO ALSO MODIFY EXISTING ALARM CONDUIT AND WIRING TO SECURITY PANEL TO TIE TO THE NEW CRAC-1 UNIT.
- E336 CONTRACTOR TO PROVIDE POWER TO NEW CU-2 UNIT BY INSTALLING NEW 60A/3P/NEMA 3R FUSED DISCONNECT AND MODIFYING EXISTING CONDUIT AND WIRING THAT FED THE CU-2 UNIT THAT WAS DEMOED. CONTRACTOR TO PROVIDE NEW FUSES FOR NEW CU-2 PER NAMEPLATE REQUIREMENTS OF THE NEW EQUIPMENT. CONTRACTOR TO ALSO RENSTAL WEATHER PROOF GFI RECEPTACLE AT THIS LOCATION.

CONSULTANTS			ARCHITECT OF RECORD			STAMP			Office of Construction and Facilities Management			Drawing Title			Phase			Project Title			Project Number					
MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455			STRUCTURAL: Albertson Engineering Inc. 2302 W. Main St., #C Rapid City, South Dakota 57702 Phone: 605-343-9606			A/E: STONE GROUP ARCHITECTS 600 E 7TH STREET SIOUX FALLS, SD 57103 605-271-1144 TODD STONE						VA U.S. Department of Veterans Affairs			1ST LEVEL POWER & SIGNAL PLAN			FINAL CONSTRUCTION DOCUMENTS			MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC			VA #568-CSI-301 SGA #201910		
Revision# Description Date:												Approved:						Location FT. MEADE/HOT SPRINGS, SD			Drawing Number FM-EE103					
																		Issue Date 11/04/2020			Checked MRS			Drawn VLS		

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

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Revision#	Description	Date:

CONSULTANTS
MECHANICAL / ELECTRICAL / PLUMBING:
WPE
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ARCHITECT OF RECORD
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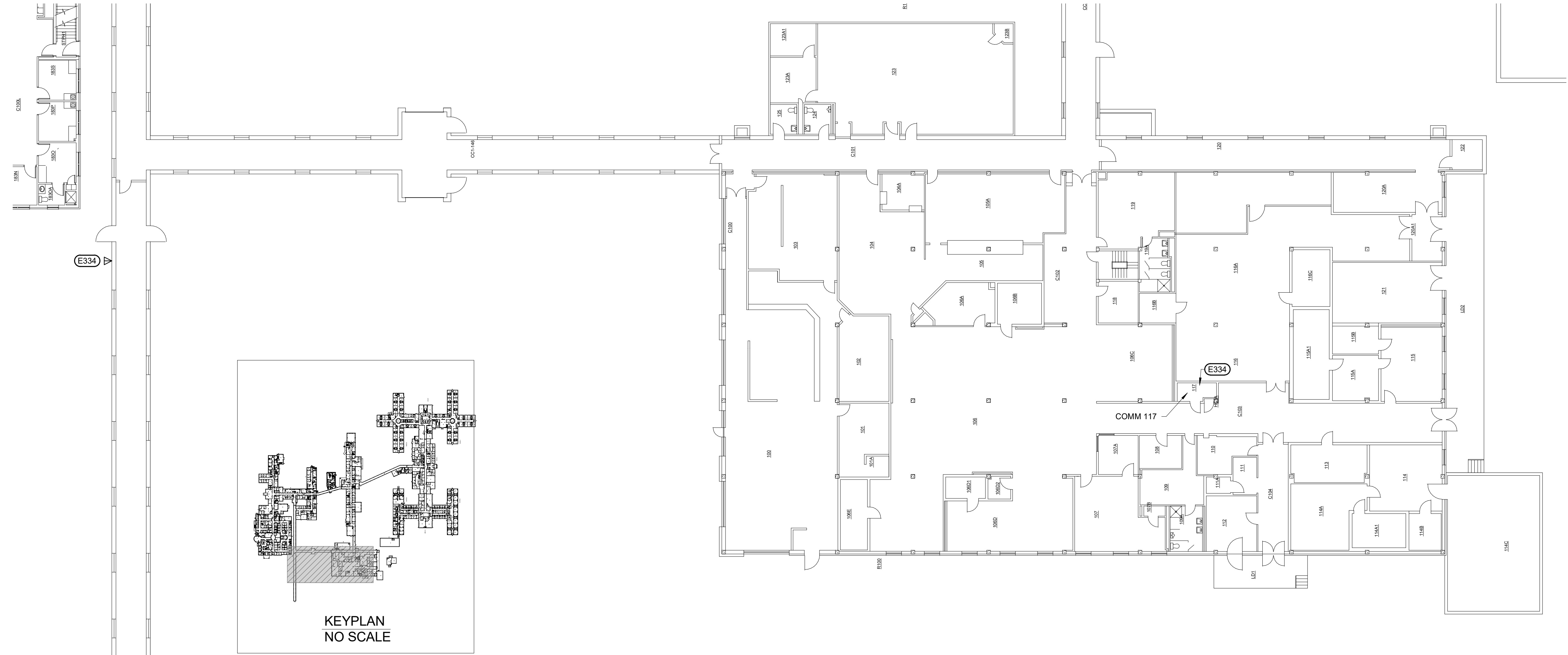
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MOBILE MRI POWER & SIGNAL PLAN
Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC
Location
FT. MEADE/HOT SPRINGS, SD
Issue Date
11/04/2020
Checked
MRS
Drawn
VLS

Project Number
VA #568-CSI-301
SGA #201910
Building Number
165 & 12
Drawing Number
FM-EE104



ELECTRICAL SPECIFIC NOTES
E334 THERE IS AN EXISTING WEATHER PROOF DATA OUTLET AT THIS LOCATION WITH THREE CAT 5E CABLES AND SOME OTHER LOW VOLTAGE CABLES THAT ARE RAN BACK TO COMMUNICATIONS CLOSET 117 IN BUILDING 146. CONTRACTOR TO REPLACE THE CAT 5E CABLES WITH NEW CAT 6A CABLES LEAVING THE REMAINING LOW VOLTAGE CABLES IN PLACE. CONTRACTOR TO REUSE EXISTING RACEWAY SYSTEM AND PATHWAY.

1 MOBILE MRI POWER & SIGNAL PLAN
1/16" = 1'-0"

Scale bars and grid lines (1-10, A-F) are located along the left and top edges of the drawing.



- GENERAL DEMOLITION PLAN NOTES:**
- A. PROTECT ALL EXISTING UTILITIES.
 - B. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
 - C. PATCH REMAINING EXISTING CONSTRUCTION, AFFECTED BY DEMOLITION, TO MATCH EXISTING U.O.N.
 - D. EXISTING ITEMS TO REMAIN ARE SHOWN AS HALFTONE.
 - E. DEMO ITEMS ARE SHOWN AS DASHED.
 - F. INFILL OF THE PENETRATIONS IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATING.
 - G. COORDINATE RELOCATION OF SALVAGED ITEMS WITH THE OWNER.
 - H. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.

SGA KEYNOTES	
KEY VALUE	KEYNOTE TEXT
2.11	DEMO FOR FOOTINGS FOR CONCRETE COLUMNS AND WALL.
2.12	DEMO EXISTING CONCRETE/ASPHALT FOR NEW CONCRETE SLAB ON GRADE.
2.13	DEMO EXISTING CONCRETE STOOP FOR NEW CONCRETE SLAB ON GRADE.
2.14	EXISTING ASPHALT DRIVEWAY-DEMO AREA TBD AS DESIGN ALTERNATE.
2.15	EXISTING B12 EXIT TO MRI - TO REMAIN.
2.16	EXISTING CONCRETE LOADING PLATFORM - TO REMAIN.

F1 1ST LEVEL SITE DEMOLITION PLAN
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

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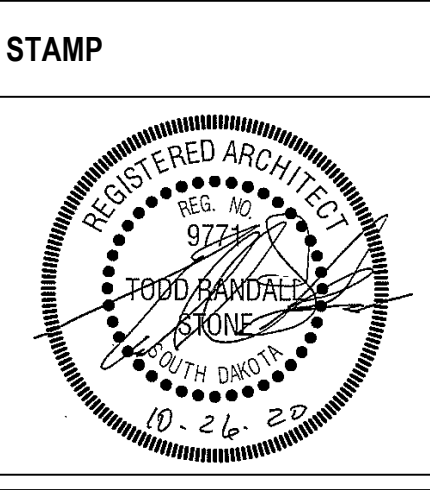
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ARCHITECT OF RECORD

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STONE GROUP ARCHITECTS



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
HOT SPRINGS EXISTING SITE DEMOLITION PLAN

Approved:

Phase
FINAL CONSTRUCTION DOCUMENTS

Project Title
MRI SITE PREP FOR FT. MEADE / HOT SPRINGS VAMC

Location
FORT MEADE & HOT SPRINGS, SD

Issue Date
11/04/2020

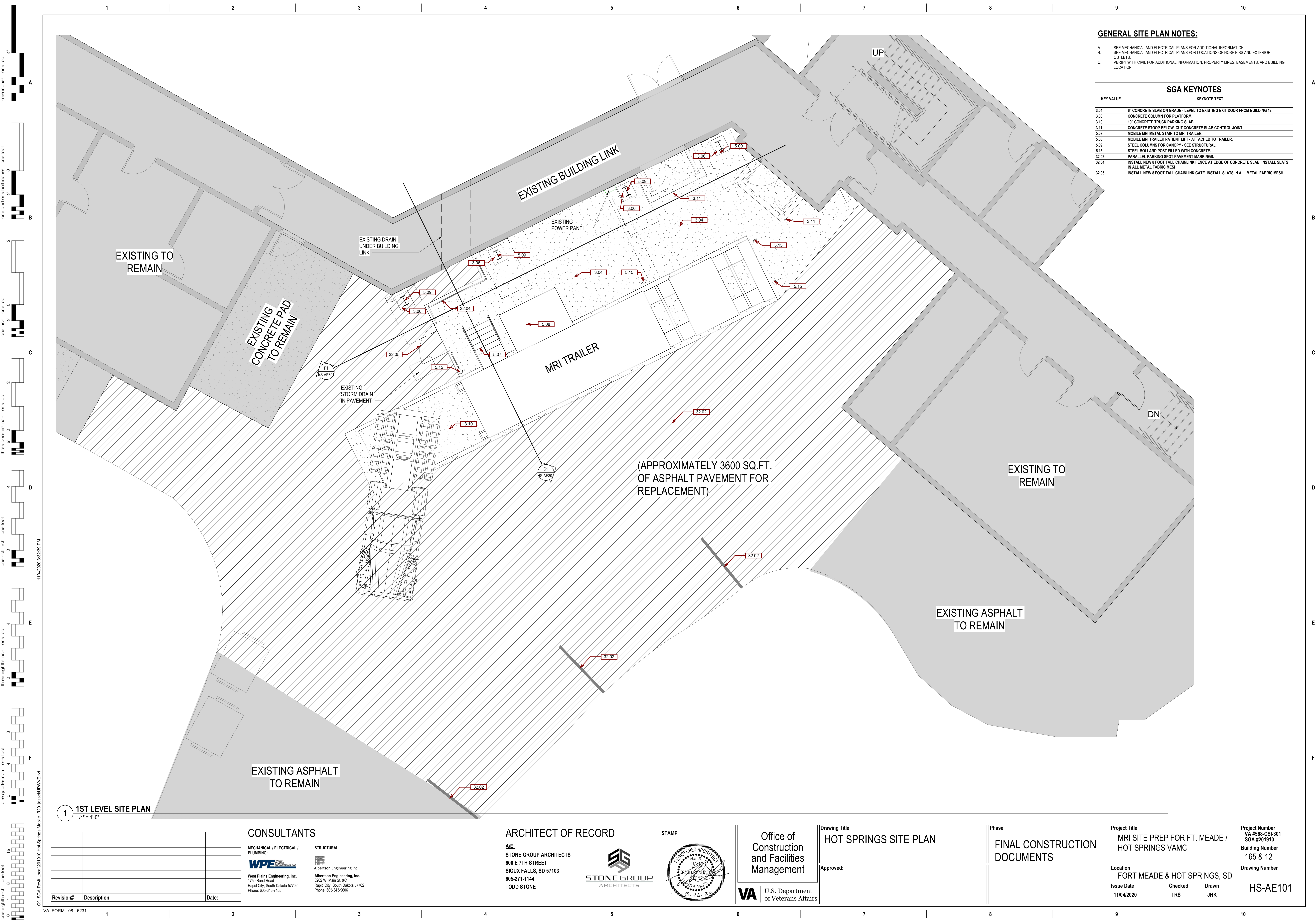
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TRS

Drawn
JHK

Project Number
VA #568-CSI-301 SGA #201910

Building Number
165 & 12

Drawing Number
HS-AD101



GENERAL SITE PLAN NOTES:

A.

SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

B.

SEE MECHANICAL AND ELECTRICAL PLANS FOR LOCATIONS OF HOSE BIDS AND EXTERIOR OUTLETS.

C.

VERIFY WITH CIVIL FOR ADDITIONAL INFORMATION, PROPERTY LINES, EASEMENTS, AND BUILDING LOCATION.

SGA KEYNOTES	
KEY VALUE	KEYNOTE TEXT
3.04	6" CONCRETE SLAB ON GRADE - LEVEL TO EXISTING EXIT DOOR FROM BUILDING 12.
3.06	CONCRETE COLUMN FOR PLATFORM.
3.10	10" CONCRETE TRUCK PARKING SLAB.
3.11	CONCRETE STOOP BELOW, CUT CONCRETE SLAB CONTROL JOINT.
5.07	MOBILE MRI METAL STAIR TO MRI TRAILER.
5.08	MOBILE MRI TRAILER PATIENT LIFT - ATTACHED TO TRAILER.
5.09	STEEL COLUMNS FOR CANOPY - SEE STRUCTURAL.
5.15	STEEL BOLLARD POST FILLED WITH CONCRETE.
32.02	PARALLEL PARKING SPOT PAVEMENT MARKINGS.
32.04	INSTALL NEW 8 FOOT TALL CHAINLINK FENCE AT EDGE OF CONCRETE SLAB. INSTALL SLATS IN ALL METAL FABRIC MESH.
32.05	INSTALL NEW 8 FOOT TALL CHAINLINK GATE. INSTALL SLATS IN ALL METAL FABRIC MESH.

1 1ST LEVEL SITE PLAN
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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STAMP



Office of
Construction
and Facilities
Management



Drawing Title
HOT SPRINGS SITE PLAN

Approved:

Phase
FINAL CONSTRUCTION
DOCUMENTS

Project Title
MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location
FORT MEADE & HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
TRS

Drawn
JHK

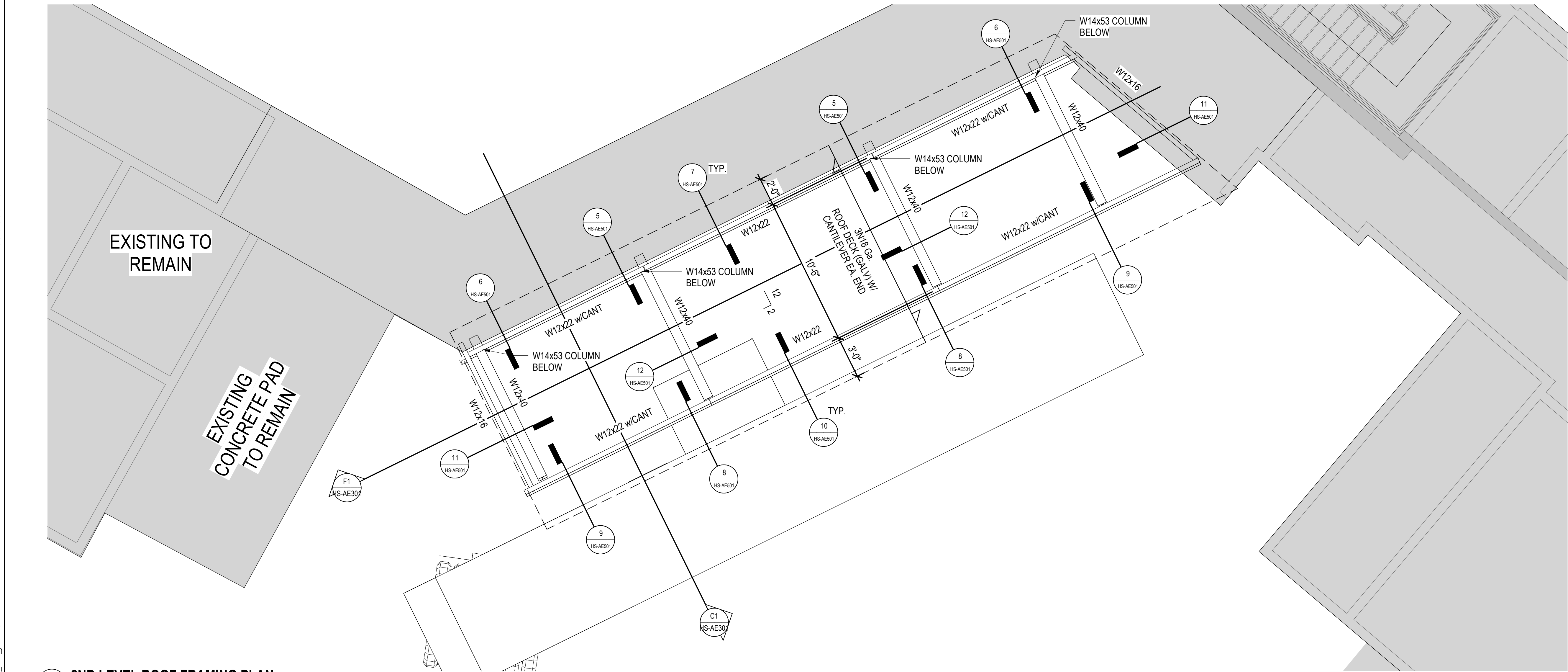
Project Number
VA #568-CSI-301
SGA #201910
Building Number
165 & 12

Drawing Number
HS-AE101

GENERAL SITE PLAN NOTES:

- A. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
B. SEE MECHANICAL AND ELECTRICAL PLANS FOR LOCATIONS OF HOSE BIBS AND EXTERIOR OUTLETS.
C. VERIFY WITH CIVIL FOR ADDITIONAL INFORMATION, PROPERTY LINES, EASEMENTS, AND BUILDING LOCATION.

2 1ST LEVEL FOUNDATION PLAN
1/4" = 1'-0"



1 2ND LEVEL ROOF FRAMING PLAN
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD

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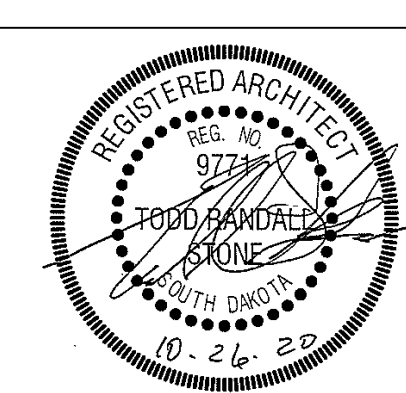
SIoux FALLS, SD 57103

605-271-1144

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Management



U.S. Department
of Veterans Affairs

Drawing Title

HOT SPRINGS FOUNDATION &
ROOF FRAMING PLANS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FORT MEADE & HOT SPRINGS, SD

Issue Date

11/04/2020

Checked

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Project Number

VA #568-CSI-301
SGA #201910

Building Number

165 & 12

Drawing Number

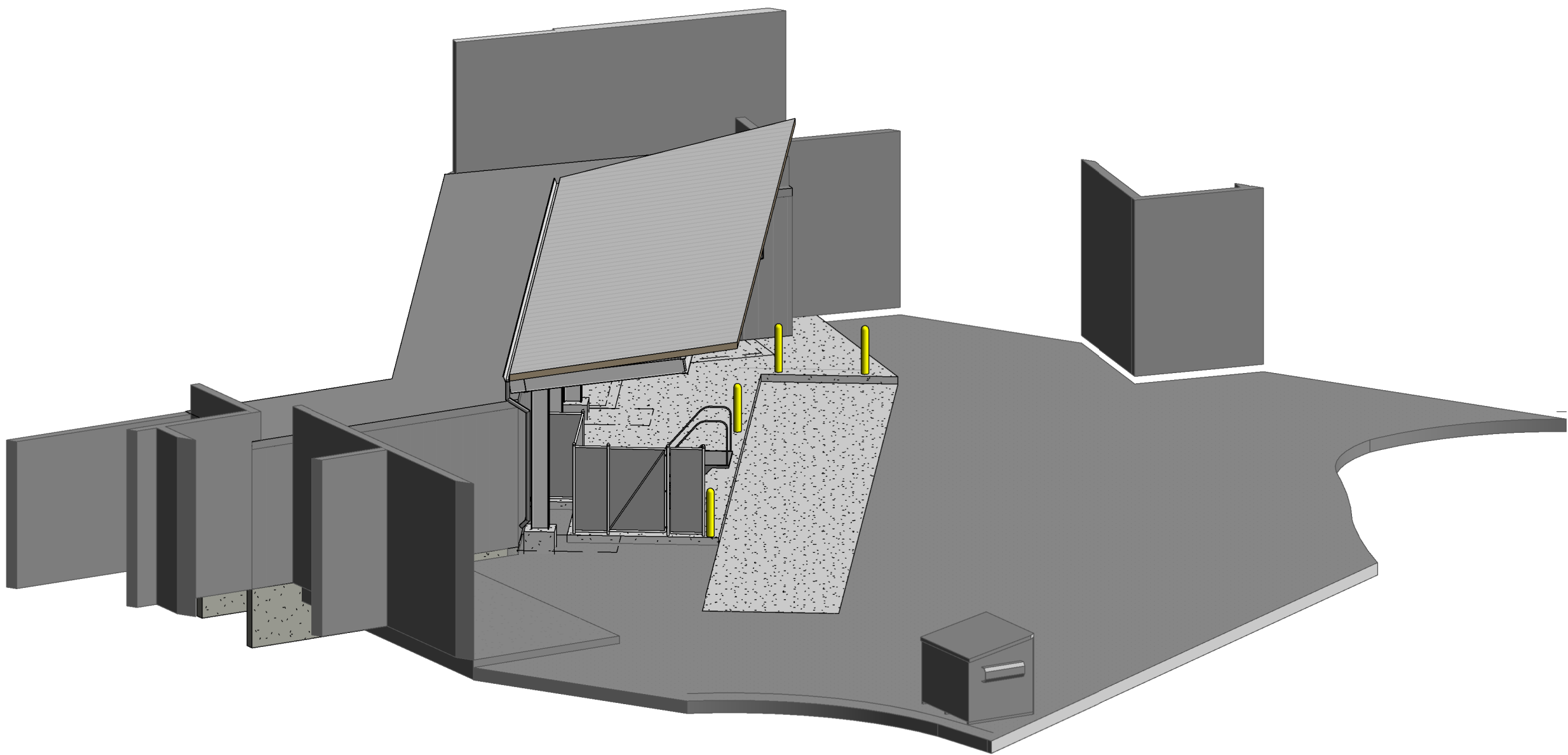
HS-AE104

GENERAL SECTION NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- B. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
- C. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
- D. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- E. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- F. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- G. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- H. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE DURAROCK @ ALL PORCELAIN & CERAMIC TILE LOCATIONS.
- I. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS.
- J. K. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F.

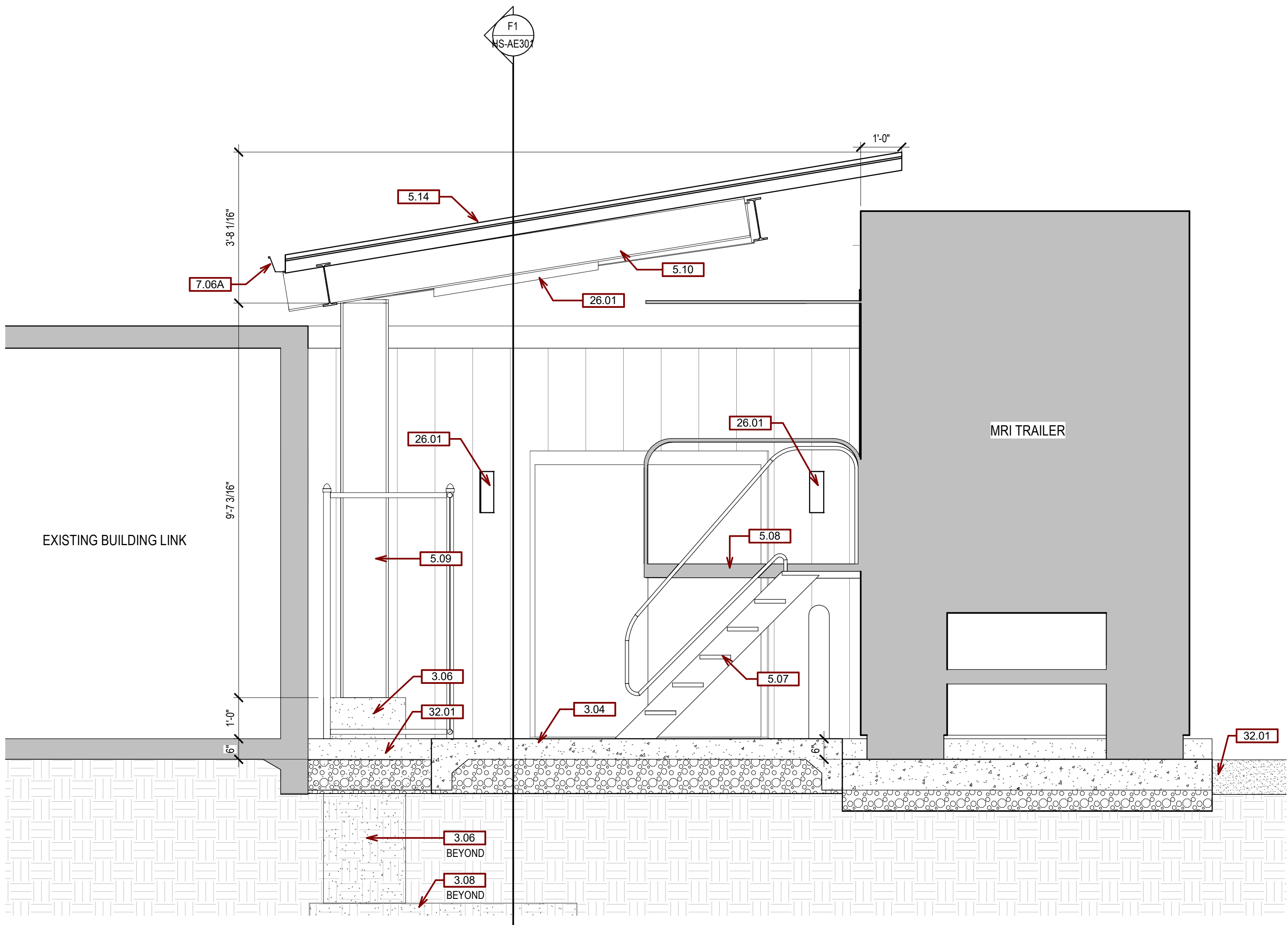
SGA KEYNOTES

KEY VALUE	KEYNOTE TEXT
3.04	6" CONCRETE SLAB ON GRADE - LEVEL TO EXISTING EXIT DOOR FROM BUILDING 12.
3.06	CONCRETE COLUMN FOR PLATFORM.
3.08	CONCRETE BASE FOR CANOPY COLUMNS.
5.07	MOBILE MRI METAL STAIR TO MRI TRAILER.
5.08	MOBILE MRI TRAILER PATIENT LIFT - ATTACHED TO TRAILER.
5.09	STEEL COLUMNS FOR CANOPY - SEE STRUCTURAL.
5.10	STEEL BEAM FOR CANOPY ROOF - SEE STRUCTURAL.
5.14	GALV. METAL ROOF DECK 7" DEEP.
7.06A	PRE-FINISHED METAL GUTTER.
7.06B	PRE-FINISHED METAL DOWNSPOUT. ROUTE ALONG COLUMN AND DISCHARGE TO THE WEST.
26.01	LIGHT FIXTURE. SEE ELEC.
32.01	INSTALL 4" ASPHALT PAVEMENT TO SAME GRADE AS EXISTING.
32.04	INSTALL NEW 8 FOOT TALL CHAINLINK FENCE AT EDGE OF CONCRETE SLAB. INSTALL SLATS IN ALL METAL FABRIC MESH.

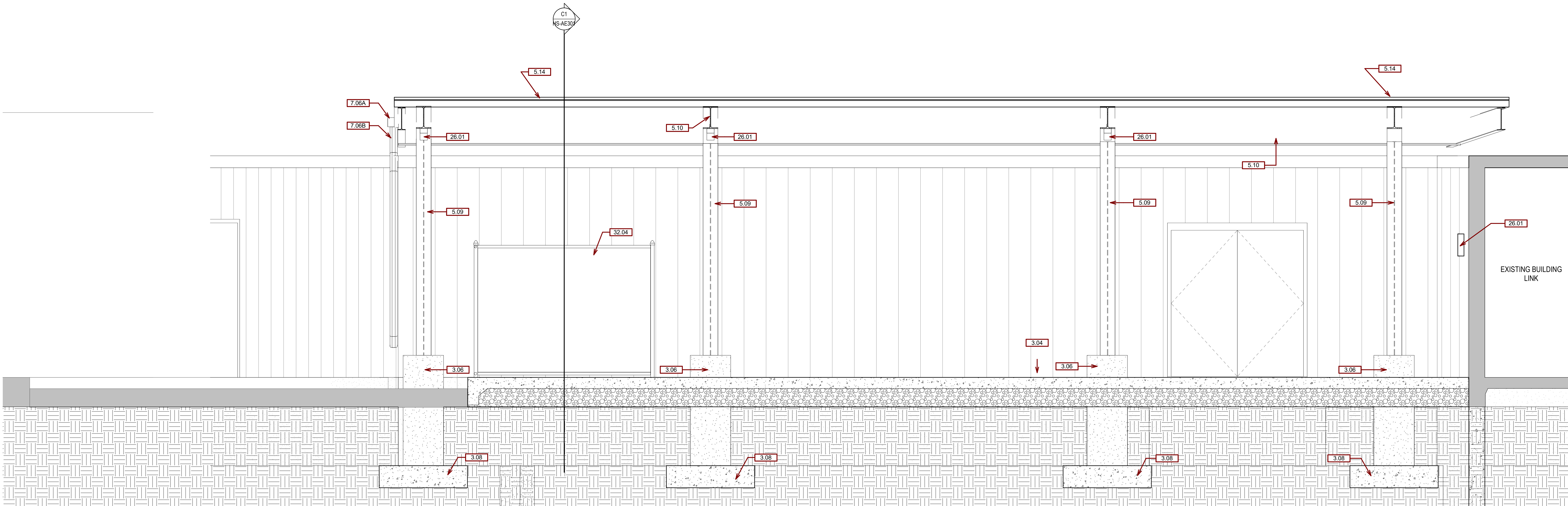


1 3D - AXONOMETRIC VIEW

C1 SECTION THROUGH CANOPY
1/2" = 1'-0"



F1 SECTION THROUGH PLATFORM
1/2" = 1'-0"



CONSULTANTS

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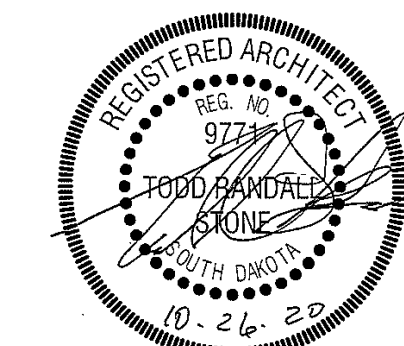
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ARCHITECT OF RECORD

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Office of
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and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

HOT SPRINGS SITE SECTIONS

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FORT MEADE & HOT SPRINGS, SD

Issue Date

11/04/2020

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Project Number

VA #568-CSI-301
SGA #201910

Building Number

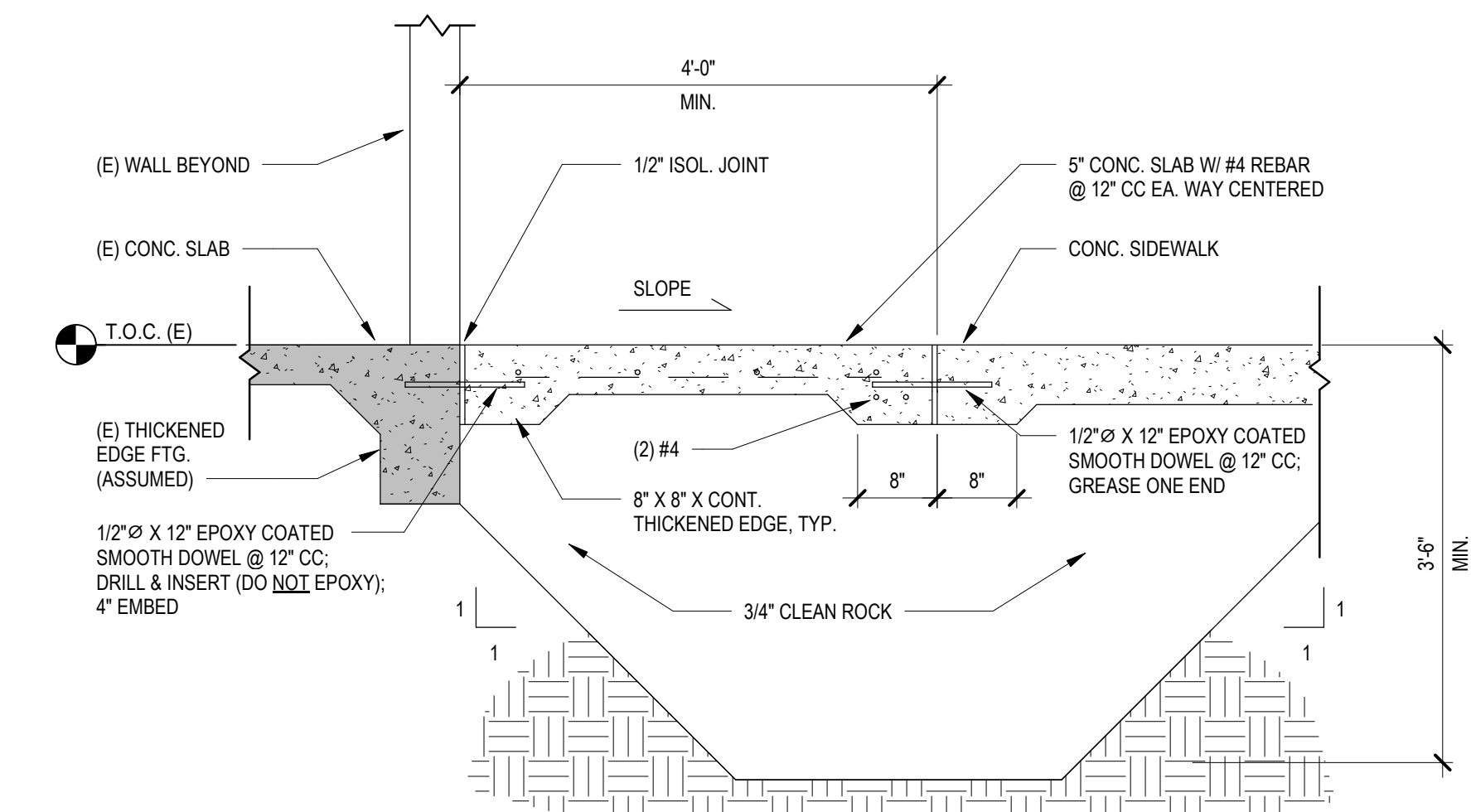
165 & 12

Drawing Number

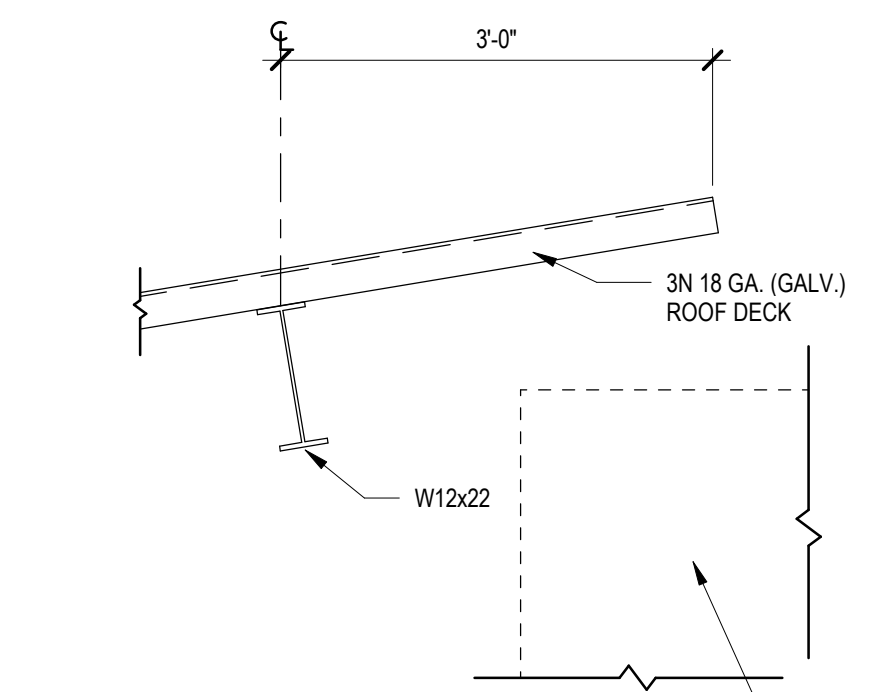
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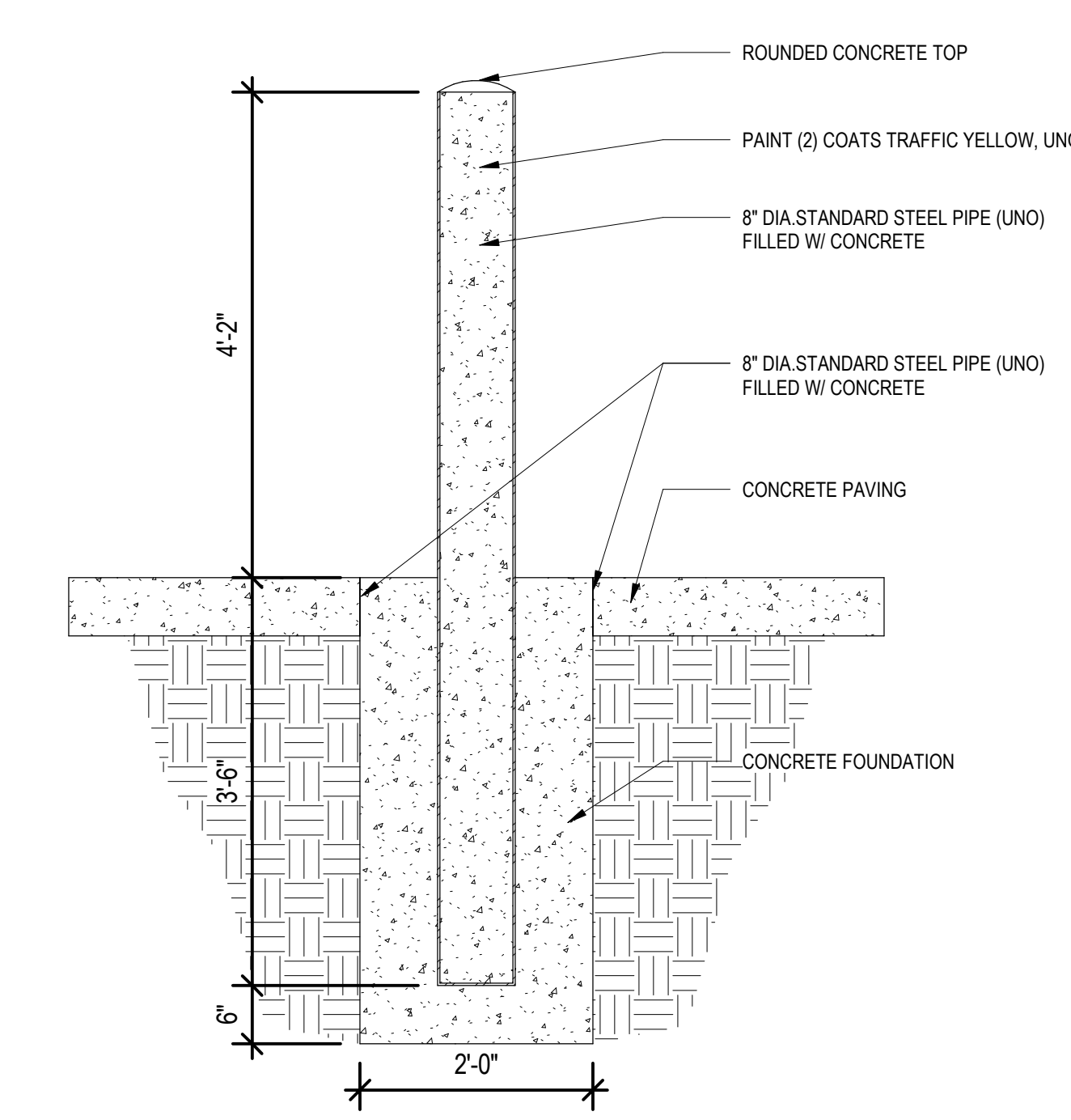


4 **DETAIL-CONCRETE STOOP**
3/4" = 1'-0"



DETAIL-CANOPY EDGE-HIGH OVER MRI TRAILER

10 $3/4" = 1'-0"$



13 **DETAIL-STEEL PIPE BOLLARD**
3/4" = 1'-0"

[illegible]

CONSULTANTS

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STRUCTURAL:



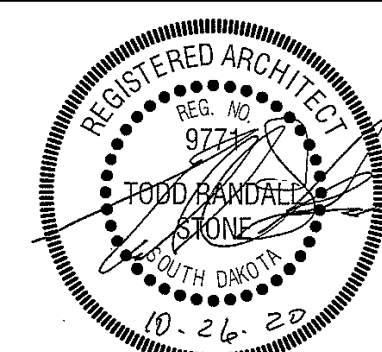
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U.S. Department
of Veterans Affairs

Drawing Title

HOT SPRINGS DETAILS

Approved:

	Phase
1	Phase 1
2	Phase 2
3	Phase 3
4	Phase 4
5	Phase 5
6	Phase 6
7	Phase 7
8	Phase 8
9	Phase 9
10	Phase 10
11	Phase 11
12	Phase 12
13	Phase 13
14	Phase 14
15	Phase 15
16	Phase 16
17	Phase 17
18	Phase 18
19	Phase 19
20	Phase 20
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89	Phase 89
90	Phase 90
91	Phase 91
92	Phase 92
93	Phase 93
94	Phase 94
95	Phase 95
96	Phase 96
97	Phase 97
98	Phase 98
99	Phase 99
100	Phase 100

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location
FOR

Checked
TRS

Drawn	JHK
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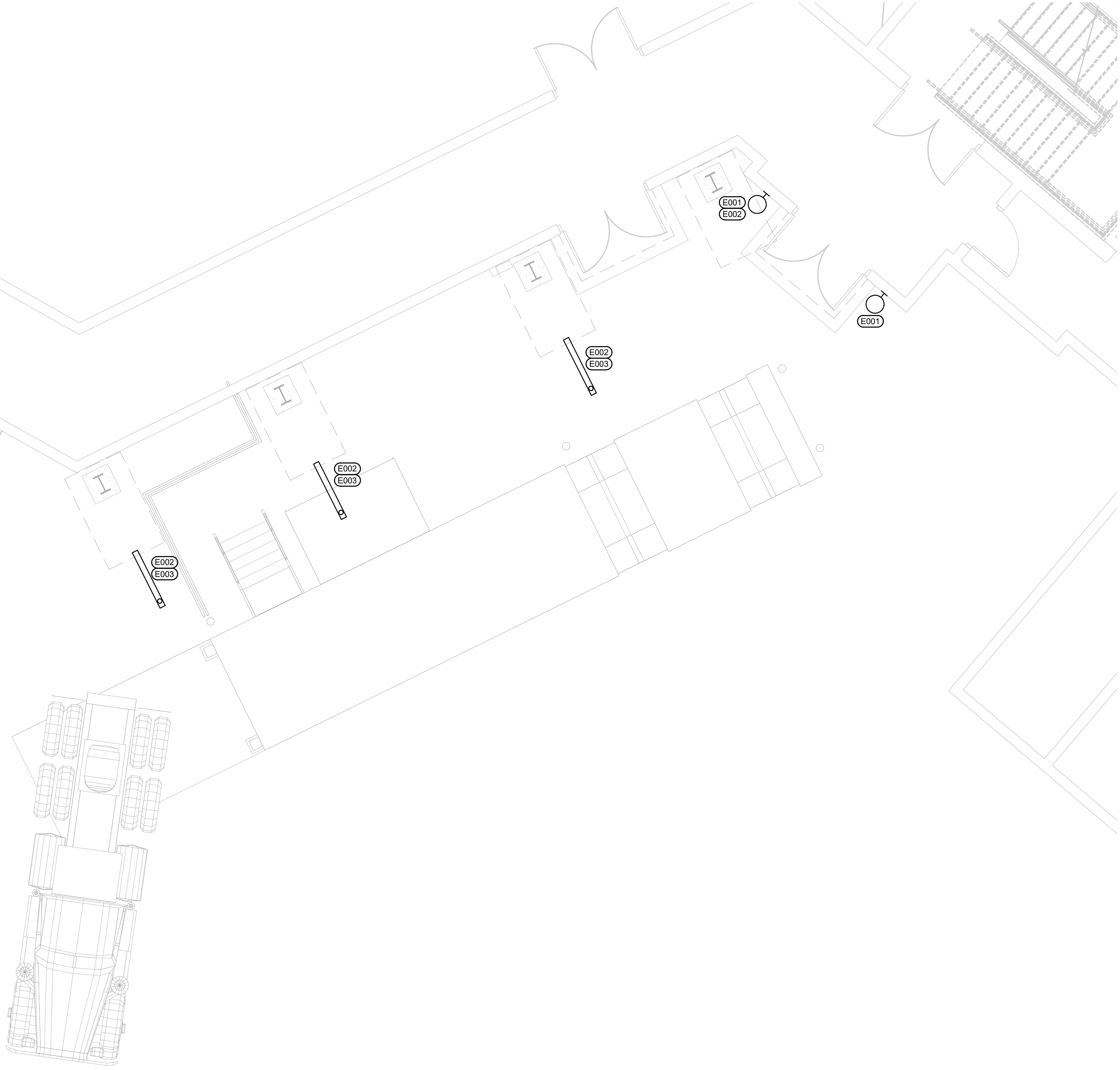
Project Number VA #568-CSI-301 SGA #201910
Building Number 165 & 12

	Drawing Number

HS-AE501

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

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- ELECTRICAL SPECIFIC NOTES**
- E001 CONTRACTOR TO DEMO TWO EXISTING WALL PACKS AND REPLACE WITH LITHONIA MODEL DSXW1 LED-20C-530-40K-14M-MVOLT-BBW-SPD-DOBKD OR PRE-APPROVED EQUAL. EQUIVALENT FIXTURE MUST HAVE AN EFFICACY OF 95% OR BETTER; MUST DELIVER 95% OR MORE LUMENS; AND MUST HAVE A LUMEN MAINTENANCE OF 95% OR BETTER THAN THE FIXTURE SPECIFIED.
- E002 CONTRACTOR TO EXTEND POWER FROM EXISTING WALL PACKS TO NEW FIXTURES TO BE INSTALLED UNDER THE NEW CANOPY. KEEP CONDUIT TIGHT TO BOTTOM OF CHANNEL OF ROOF.
- E003 CONTRACTOR TO PROVIDE LITETRONICS MODEL VT30US4HP OR PRE-APPROVED EQUAL. EQUIVALENT FIXTURE MUST HAVE AN EFFICACY OF 95% OR BETTER; MUST DELIVER 95% OR MORE LUMENS; AND MUST HAVE A LUMEN MAINTENANCE OF 95% OR BETTER THAN THE FIXTURE SPECIFIED. PROVIDE ALL MATERIALS NECESSARY TO INSTALL FIXTURE TO BOTTOM OF STRUCTURAL BEAM.

① HOT SPRINGS 2ND LEVEL LIGHTING PLAN
1/4" = 1'-0"

Revision#	Description	Date:

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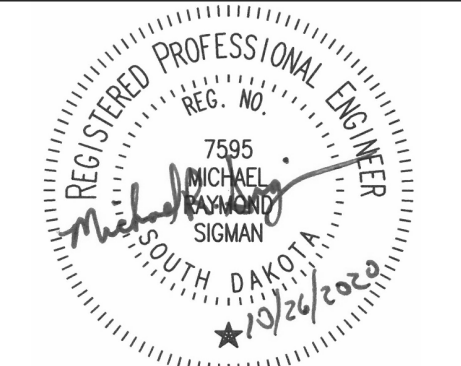
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STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

HOT SPRINGS 2ND LEVEL
LIGHTING PLAN

Approved:

Phase

FINAL CONSTRUCTION
DOCUMENTS

Project Title

MRI SITE PREP FOR FT. MEADE /
HOT SPRINGS VAMC

Location

FT. MEADE/HOT SPRINGS, SD

Issue Date
11/04/2020

Checked
MRS

Drawn
VLS

Project Number

VA #568-CSI-301
SGA #201910

Building Number

165 & 12

Drawing Number

HS-EE101