

BUILDING 9 - EHRM INFRASTRUCTURE UPGRADES

St. Cloud VA Health Care System Main Campus, St. Cloud, Minnesota

OWNER AND CONSULTANTS:

VA COR:
CONTACT: MIKE ENGMARK
ADDRESS: ST CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303
PHONE: 320-252-1670
PROGRAM MANAGER:
CONTACT: JONATHAN WEST
ADDRESS: ST CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303
PHONE: 504-250-2699
EMAIL: Jonathan.West@vaicmt.com

CIVIL ENGINEER:
NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441

CONTACT: IAN WEBER
PHONE: 763-412-4000

ARCHITECT:
NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441

CONTACT: EDWARD MARKFORT
PHONE: 763-412-4000

STRUCTURAL ENGINEER:
NAME: ADVANCED STRUCTURAL TECHNOLOGIES
ADDRESS: 7301 OHMS LANE, SUITE 215
EDINA, MN 55439

CONTACT: ZACHARY CRAIG
PHONE: 952-854-9302

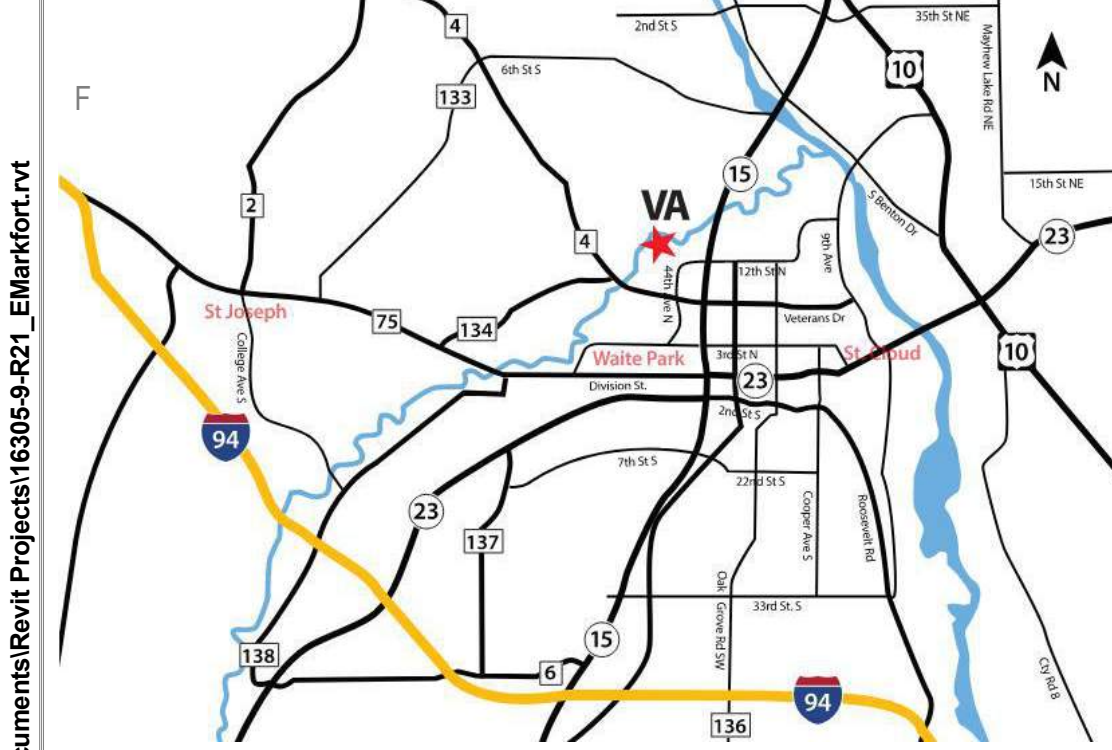
TELECOMMUNICATIONS ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10360 ELLISON CIRCLE
OMAHA, NE 68134

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

MECHANICAL/PLUMBING ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10360 ELLISON CIRCLE
OMAHA, NE 68134

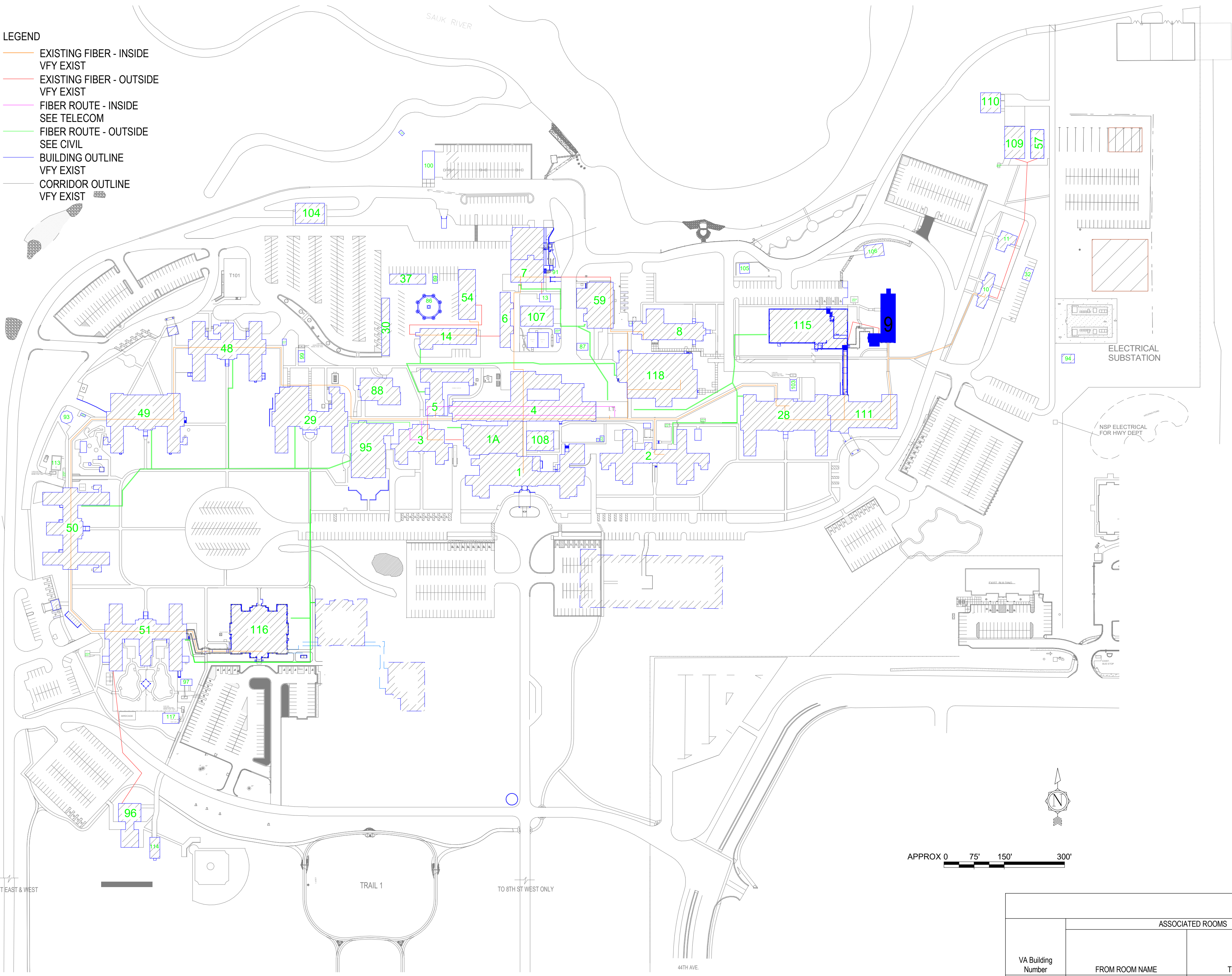
CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

VICINITY MAP:



LEGEND

- EXISTING FIBER - INSIDE
- VFY EXIST
- EXISTING FIBER - OUTSIDE
- VFY EXIST
- FIBER ROUTE - INSIDE
- SEE TELECOM
- FIBER ROUTE - OUTSIDE
- SEE CIVIL
- BUILDING OUTLINE
- VFY EXIST
- CORRIDOR OUTLINE
- VFY EXIST



SHEET INDEX - BUILDING 9

SHEET NO.	SHEET TITLE
9-GI000	BUILDING 9 COVER SHEET & SHEET INDEX
9-GI110	FIRST FLOOR LIFE SAFETY PLAN
9-GI111	FIRST FLOOR INFECTION CONTROL & PHASING PLAN
9HA-1A	REFERENCE - BASEMENT FLOOR ASBESTOS RE-SURVEY
9HA-2A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
9HA-3A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
9HA-4A	REFERENCE - ATTIC FLOOR ASBESTOS RE-SURVEY
9AS100	BASEMENT, FIRST, AND SECOND FLOOR PLANS
9TD100	FLOOR PLANS - TELECOM - DEMOLITION
9TN100	FLOOR PLANS - TELECOMMUNICATIONS
9TN210	FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE
9TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
9TN400	ENLARGED PLANS - TELECOMMUNICATIONS
09-E100	FIRST FLOOR DEMOLITION - ELECTRICAL
09-E200	BASEMENT - ELECTRICAL
09-E201	FIRST FLOOR - ELECTRICAL
09-E300	ELECTRICAL ENLARGED PLANS
09-E300	ELECTRICAL ONE-LINE DIAGRAMS
09-E600	ELECTRICAL SCHEDULES
09-M101	FIRST FLOOR DEMOLITION - MECHANICAL
09-M201	FIRST FLOOR REMODEL - MECHANICAL
SEE GENERAL SHEETS FOR ADDITIONAL INFORMATION	

ROOM SCHEDULE

NO.	NAME	CABLING	PATCH PANEL	FIBER	POWER	BONDING	UPS	DEDICATED COOLING	TEMPERATURE	HUMIDITY	RACK SENSOR	SPACE	AREA	WIDTH (FT)	LENGTH (FT)	HT TO CLG STRUCT	REMARKS
BASEMENT	016	EXIST RM											35 SF	5.7	6.1	8.17	DECOMMISSION EXIST IT/DATA ROOM. SEE TELECOM DRAWINGS. RELOCATE FUNCTION TO ROOM 100
FIRST FLOOR	100	LOBBY											249 SF				MODIFIED FOR TELECOM ROOM. SEE MECH DRAWINGS FOR ADDITIONAL REMARKS
100B	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	120 SF	14.1	8.5	9.33	CONSTRUCT TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS

HAZARDOUS MATERIAL SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	016	EXIST RM	NONE. SEE 9-HA-1A	NONE. ACM TO REMAIN UNDISTURBED
FIRST FLOOR	100	LOBBY	ASBESTOS CONTAINING MASTIC UNDER FLOOR TILE. SEE 9-HA-2A	TO LIMITS OF TELECOM ROOM AND PLAN. REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
FIRST FLOOR	100B	TELECOM ROOM	ACM. SEE 9-HA-2A	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
HAZARDOUS MATERIALS MAY BE ENCOUNTERED THROUGHOUT THE DISTRIBUTION ROUTING THROUGH CEILING PLENUMS AND UTILITY TUNNELS. INSTALLATION OF DISTRIBUTION SHALL NOT DISTURB QUESTIONABLE HAZARDOUS MATERIAL.				

ICRA PHASE CONSTRUCTION ROOM SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS	SECTION	CONSTRUCTION ZONE / OCCUPIED CONSTR	DAY / NIGHT
BASEMENT	016	EXIST RM	DOMICILIARY / POLICE	TYPE B	GROUP 1	CLASS II	EAST	OCCUPIED CONSTRUCTION	NIGHT
FIRST FLOOR	100	LOBBY	DOMICILIARY / POLICE	TYPE B	GROUP 2	CLASS II	EAST	ZONE9	NIGHT
FIRST FLOOR	100B	TELECOM ROOM	DOMICILIARY / POLICE	TYPE C	GROUP 2	CLASS III	EAST	ZONE9	NIGHT
SEE GENERAL NOTES SHEET FOR CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA) DESCRIPTIONS, TYPE, GROUP AND CLASS SELECTED TO BEST OF DESIGN TEAM'S KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.									

LEAK PREVENTION / DIVERTER SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	OVERHEAD LEAK DIVERTER AND DRAIN PIPING	LEAK PREVENTION BARRIER WATERPROOFING
BASEMENT	016	EXIST RM		
FIRST FLOOR	100	LOBBY		
FIRST FLOOR	100B	TELECOM ROOM		
SEE GENERAL NOTES SHEET FOR DETAIL. MWP = MEMBRANE WATERPROOFING. MASONRY = FLUID-APPLIED WATERPROOFING. INT = INTERIOR. EXT = EXTERIOR				

OPENING SCHEDULE

VA Building Number	ASSOCIATED ROOMS		OPENING			PANEL INFORMATION			FRAME INFORMATION		HOW GROUP	FIRE LABEL (MIN) GASKET	ELECTRICAL Y	S LABEL Y	COMMENTS
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING					
9	LOBBY	TELECOM ROOM	100B	3'-0"	7'-0"	WD-F		NONE	HMS-1	NONE	HW-3.2B	45	Y	Y	

CONSULTANT



ARCHITECT/ENGINEER OF RECORD



STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
Name: *Tom Oleasak*
Typed or Printed Name: Tom Oleasak
Date: 03/30/2022 License Number: MN# 18157

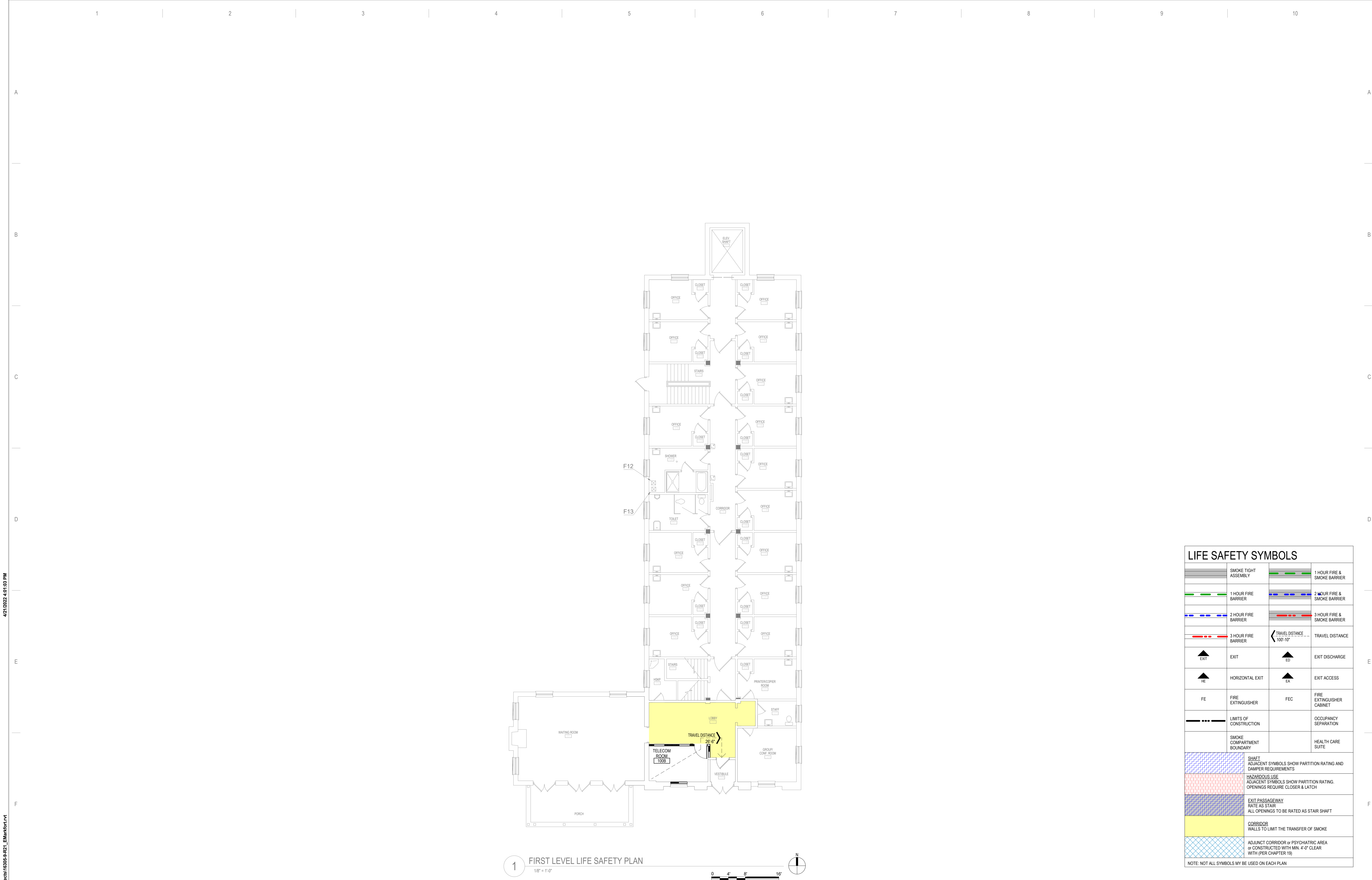
APPROVED:	DATE:	APPROVED PROJECT COR:	DATE:	APPROVED PATIENT SAFETY:	DATE:	APPROVED DMS MANAGER:	DATE:	APPROVED DIRECTOR FMS:	DATE:
APPROVED:	DATE:	APPROVED SERVICE LINE DIRECTOR:	DATE:	APPROVED SAFETY MANAGER:	DATE:	APPROVED MO MANAGER:	DATE:	APPROVED ASSOCIATE DIRECTOR:	DATE:
APPROVED:	DATE:	APPROVED DEMO COORDINATOR:	DATE:	APPROVED CHIEF OF POLICE:	DATE:	APPROVED PROJECTS SECTION MANAGER:	DATE:	APPROVED NURSE EXECUTIVE:	DATE:
APPROVED:	DATE:	APPROVED INFECTION CONTROL NURSE:	DATE:	APPROVED OT MANAGER:	DATE:	APPROVED ASSISTANT CHIEF ENGINEER:	DATE:	APPROVED CHIEF OF STAFF:	DATE:
APPROVED:	DATE:	APPROVED MEDICAL CENTER DIRECTOR:	DATE:						

DRAWING TITLE

BUILDING 9 COVER SHEET & SHEET INDEX

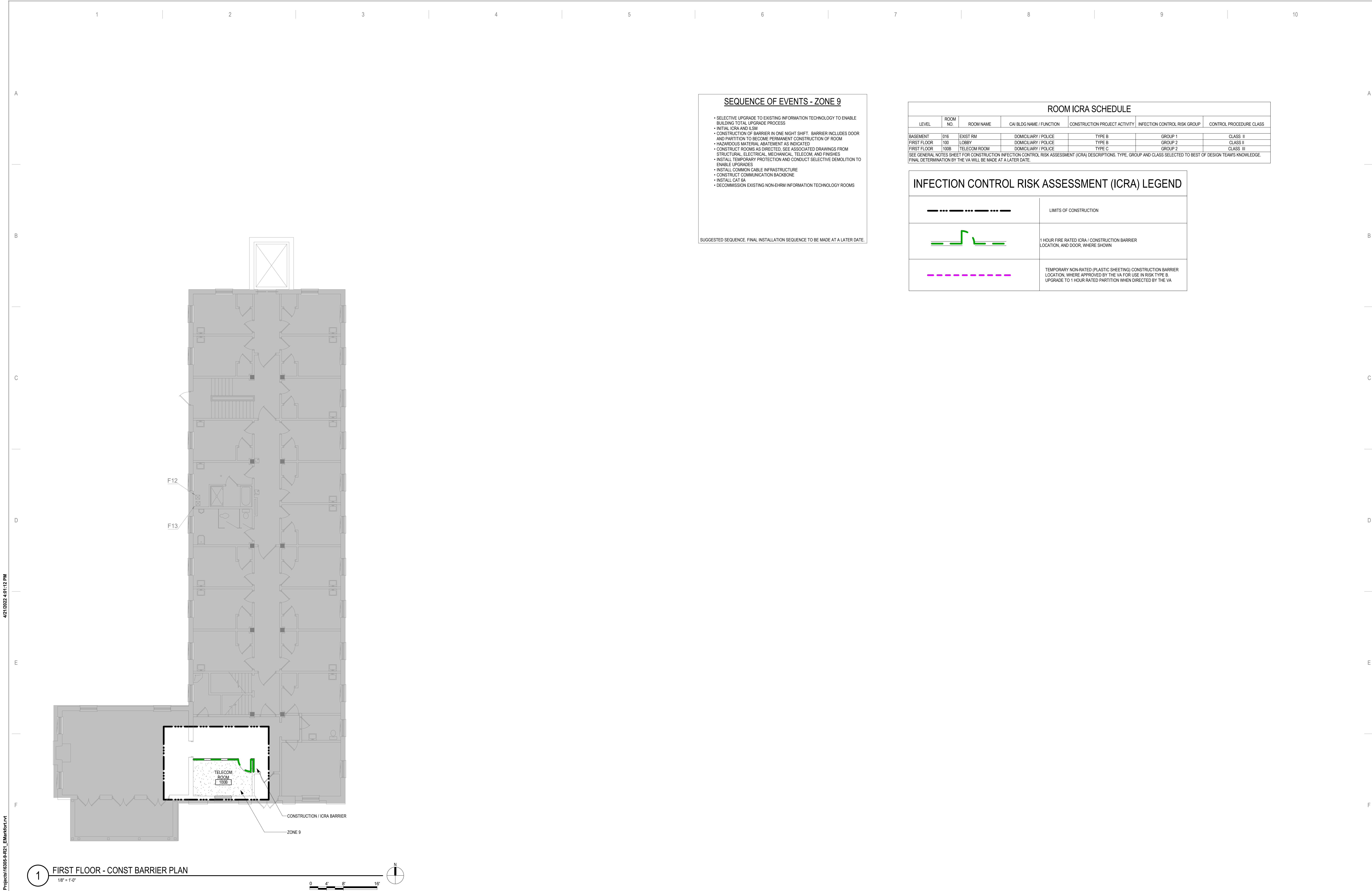
PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	656-21-235
BUILDING NO.	9
CHECKED BY	EM
DRAWN BY	EM
DRAWING NO.	9-GI000
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED	
DWG	COVER

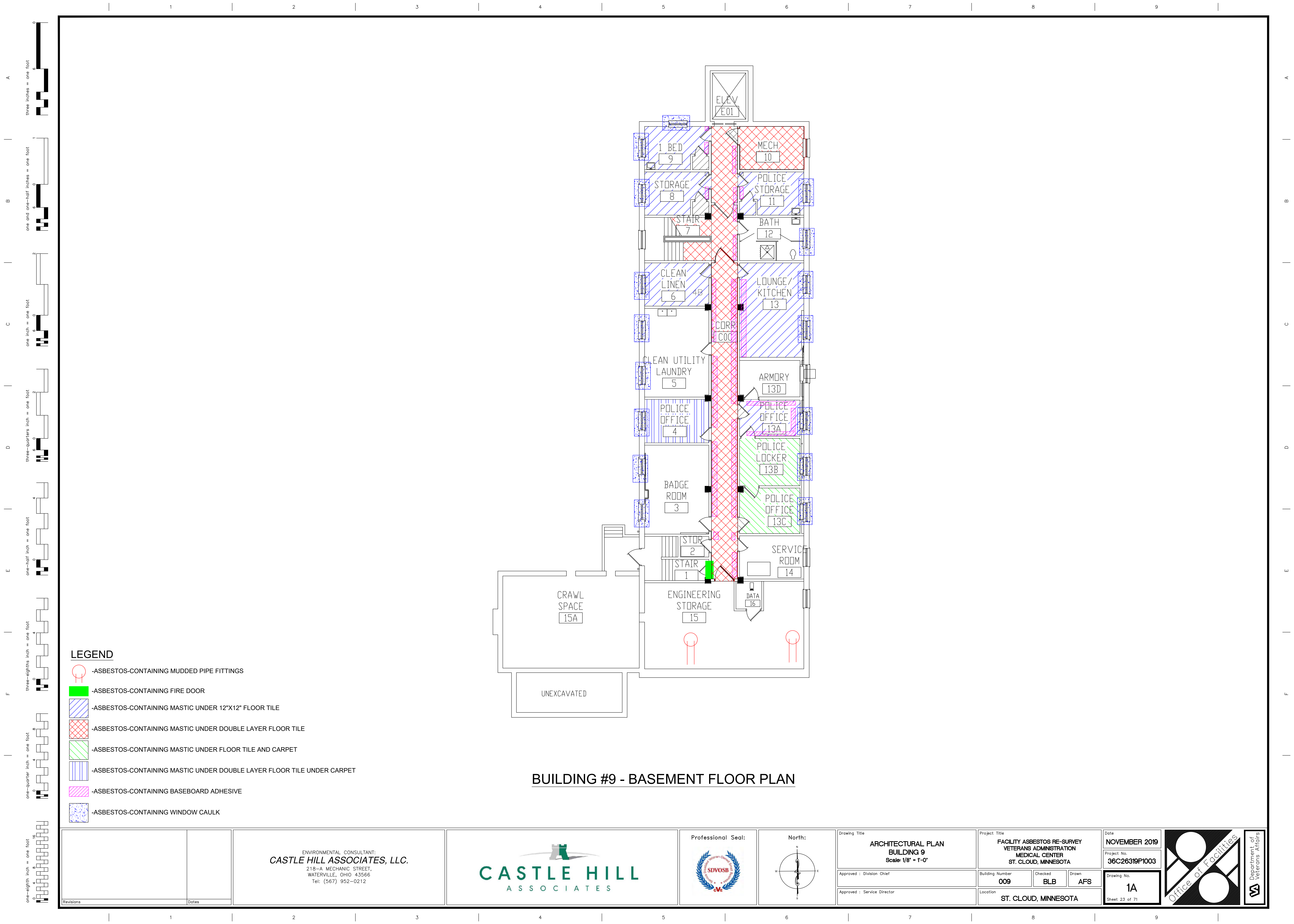




LIFE SAFETY SYMBOLS			
	SMOKE TIGHT ASSEMBLY		1 HOUR FIRE & SMOKE BARRIER
	1 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		TRAVEL DISTANCE
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
FE	FIRE EXTINGUISHER	FEC	FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		OCCUPANCY SEPARATION
	SMOKE COMPARTMENT BOUNDARY		HEALTH CARE SUITE
	SHAFT ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS		
	HAZARDOUS USE ADJACENT SYMBOLS SHOW PARTITION RATING. OPENINGS REQUIRE CLOSER & LATCH		
	EXIT PASSAGEWAY RATE AS STAIR ALL OPENINGS TO BE RATED AS STAIR SHAFT		
	CORRIDOR WALLS TO LIMIT THE TRANSFER OF SMOKE		
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 19)		
NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN			

<table><tr><td>No</td><td>REVISION</td><td>DATE</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	No	REVISION	DATE																						<p>CONSULTANT</p> <div></div> <p>SPECIALIZED ENGINEERING SOLUTIONS</p> <p>10360 Ellison Circle Omaha, NE 68134</p> <p>Phone: 402.991.5520 www.specializedeng.com</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <div></div> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16305</p>	<p>STAMP</p> <p>I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.</p> <p>Name: </p> <p>Typed or Printed Name: Tom Olesak Date: 03/30/2022 License Number: MN# 18157</p>	<p>DRAWING TITLE</p> <p>FIRST FLOOR LIFE SAFETY PLAN</p>	<table><tr><td>PROJECT FILE</td><td>DATE</td></tr><tr><td>EHRM INFRASTRUCTURE UPGRADES</td><td>03/30/2022</td></tr><tr><td>BUILDING No</td><td>CHECKED BY</td></tr><tr><td>9</td><td>EM</td></tr><tr><td>LOCATION</td><td>DRAWN</td></tr><tr><td>VA MEDICAL CENTER ST. CLOUD, MN 56303</td><td>EM</td></tr><tr><td>FULLY SPRINKLERED</td><td>DWG. OF</td></tr></table>	PROJECT FILE	DATE	EHRM INFRASTRUCTURE UPGRADES	03/30/2022	BUILDING No	CHECKED BY	9	EM	LOCATION	DRAWN	VA MEDICAL CENTER ST. CLOUD, MN 56303	EM	FULLY SPRINKLERED	DWG. OF	<table><tr><td>DATE</td><td>PROJECT NO.</td></tr><tr><td>03/30/2022</td><td>656-21-235</td></tr><tr><td>DRAWING NO.</td><td></td></tr><tr><td>9-G110</td><td></td></tr></table>	DATE	PROJECT NO.	03/30/2022	656-21-235	DRAWING NO.		9-G110		<div></div> <p>U.S. Department of Veterans Affairs</p> <p>Veterans Health Administration St. Cloud VA Health Care System</p>
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LEGEND

- ASBESTOS-CONTAINING MUDDED PIPE FITTINGS
- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- ASBESTOS-CONTAINING MASTIC UNDER DOUBLE LAYER FLOOR TILE
- ASBESTOS-CONTAINING MASTIC UNDER FLOOR TILE AND CARPET
- ASBESTOS-CONTAINING MASTIC UNDER DOUBLE LAYER FLOOR TILE UNDER CARPET
- ASBESTOS-CONTAINING BASEBOARD ADHESIVE
- ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #9 - BASEMENT FLOOR PLAN

Revisions

Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

Professional Seal:

North:

Drawing Title
**ARCHITECTURAL PLAN
BUILDING 9
Scale: 1/8" = 1'-0"**

Approved : Division Chief

Approved : Service Director

Project Title
**FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA**

Building Number
009

Location
ST. CLOUD, MINNESOTA

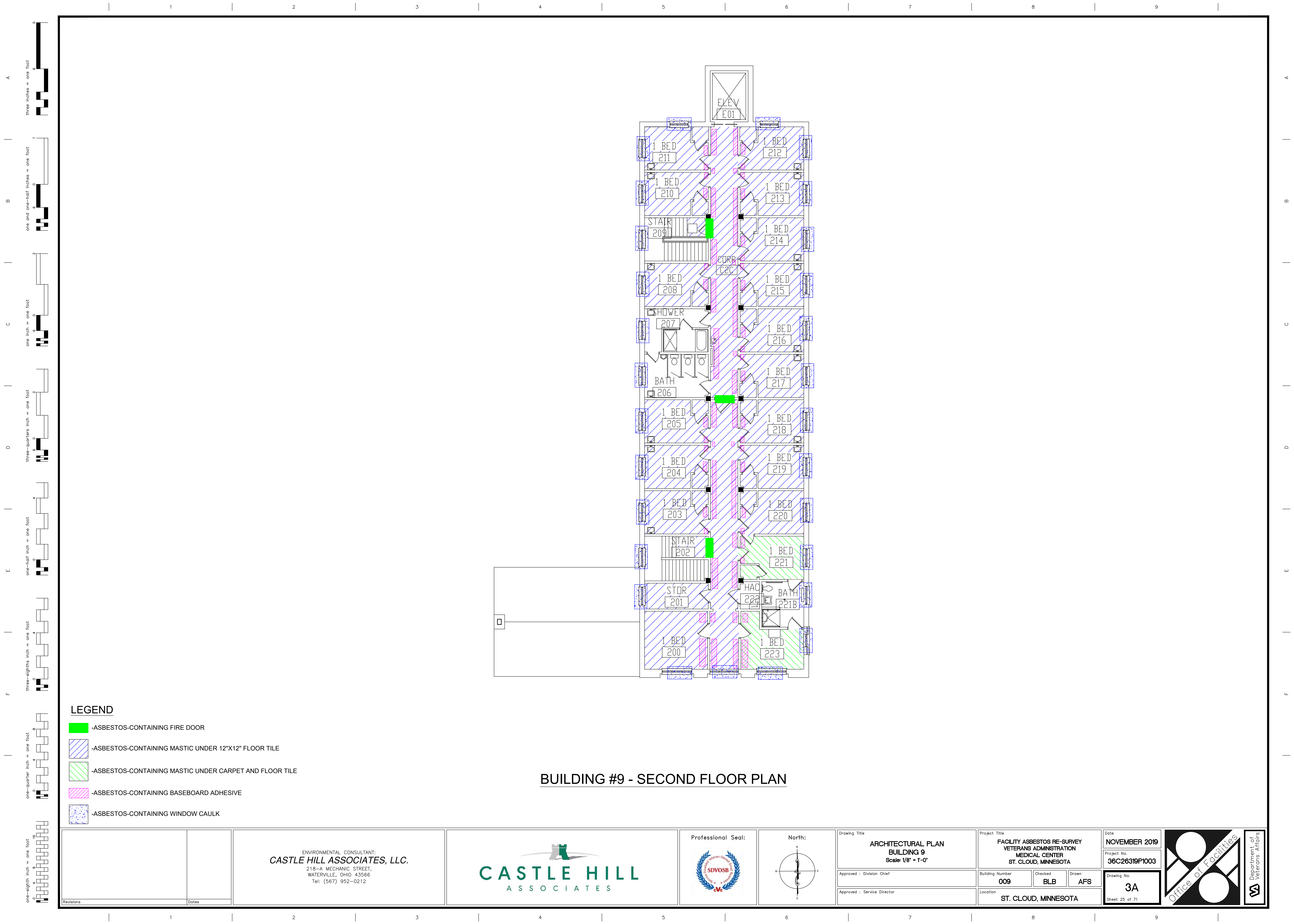
Date
NOVEMBER 2019

Project No.
36C26319P1003

Drawing No.
1A

Sheet 23 of 71

Department of Veterans Affairs

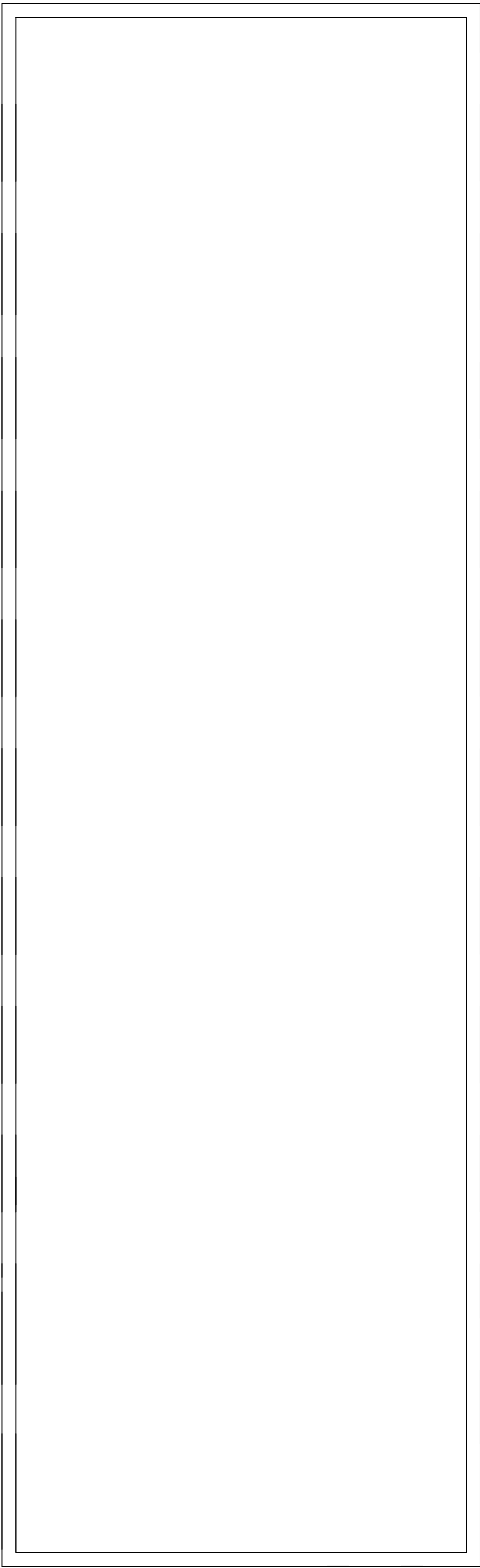


LEGEND

- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE
- ASBESTOS-CONTAINING BASEBOARD ADHESIVE
- ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #9 - SECOND FLOOR PLAN

<div>Revisions</div> <div>Dates</div>		<div>ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</div>	<div></div> <div>CASTLE HILL ASSOCIATES</div>	<div>Professional Seal: </div>	<div>North: </div>	<div>Drawing Title ARCHITECTURAL PLAN BUILDING 9 Scale: 1/8" = 1'-0"</div> <div>Approved : Division Chief</div> <div>Approved : Service Director</div>	<div>Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</div> <div>Building Number 009</div> <div>Location ST. CLOUD, MINNESOTA</div>	<div>Checked BLB</div> <div>Drawn AFS</div>	<div>Date NOVEMBER 2019</div> <div>Project No. 36C26319P1003</div> <div>Drawing No. 3A</div> <div>Sheet 25 of 71</div>	<div></div> <div>Department of Veterans Affairs</div>
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BUILDING #9 - ATTIC FLOOR PLAN

NO ACM

Revisions

Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212



Professional Seal:



North:



Drawing Title		
ARCHITECTURAL PLAN BUILDING 9 Scale: 1/8" = 1'-0"		
Approved : Division Chief		
Approved : Service Director		

Project Title		
FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	Checked	Drawn
009	BLB	AFS
Location		
ST. CLOUD, MINNESOTA		

Date
NOVEMBER 2019
Project No.
36C26319P1003
Drawing No.
4A
Sheet 26 of 71

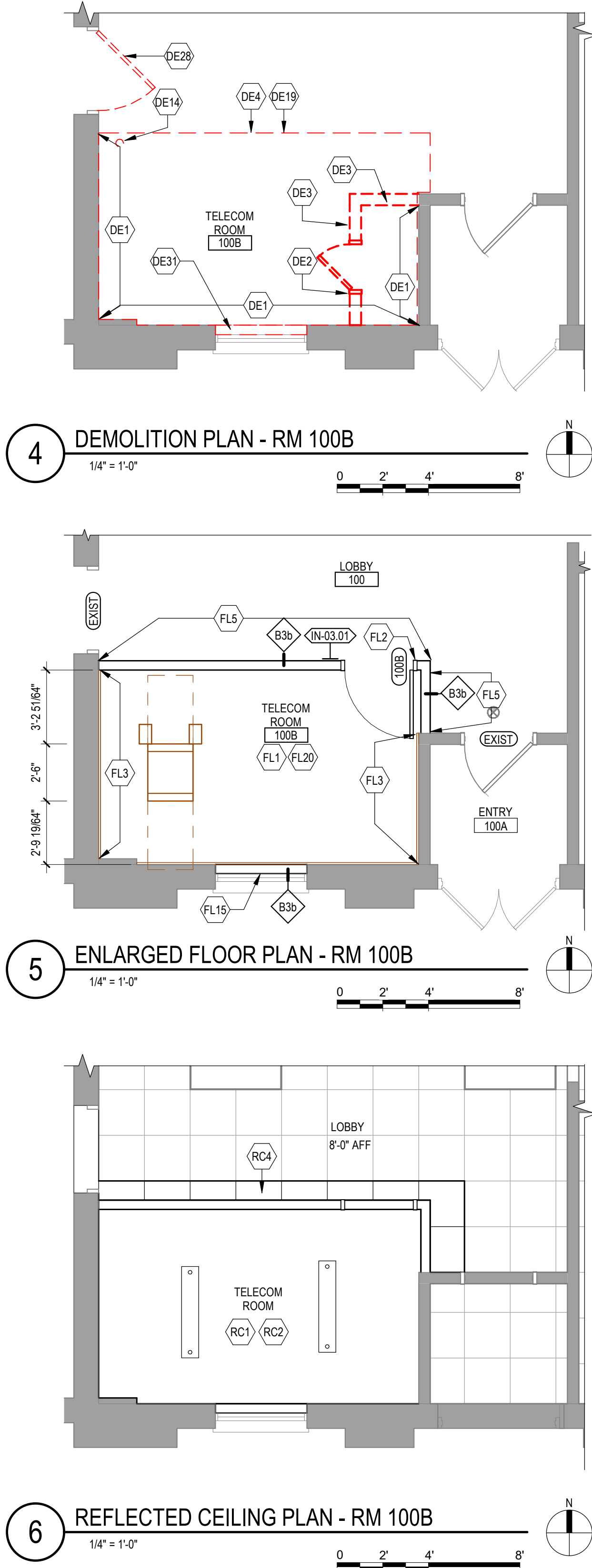




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A
B
C
D
E
F



DEMOLITION PLAN KEYED NOTES		FLOOR PLAN KEYED NOTES		REFLECTED CEILING PLAN KEYED NOTES		SHEET NOTES	
DE1	PREPARE WALL FOR PLYWOOD BACKBOARD INSTALLATION AND EHRM REQUIREMENTS. SEE FLOOR PLAN AND TELECOM DRAWINGS.	FL1	ALL FOUR PERIMETER WALL PARTITIONS APPLY 4" BY 8" AC GRADE 1/4" TRADE SIZE FIRE RATED PLYWOOD BACKBOARD FINISHED WITH HIGH-GLOSS WHITE PAINT OVER TWO COATS OF FIRE RESISTANT PAINT FOR SERVICE PROVIDER / SECURITY / VIDEO / ET CETERA. DO NOT PAINT OVER FIRE RATING STAMP.	RC1	LED LIGHTING. SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL. AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION.	1.	SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING.
DE2	REMOVE AND SALVAGE DOOR AND PREPARE OPENING TO ACCOMMODATE PLAN. SEE FLOOR PLAN AND DOOR SCHEDULE.	FL2	DOOR, SIZE AS SCHEDULED, FIRE RESISTANT AS SCHEDULED.	RC2	OPEN TO STRUCTURAL FLOOR ABOVE.	2.	ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO DEMOLITION OR CONSTRUCTION. EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN MUST BE BROUGHT TO THE ATTENTION OF THE C.O.R. TO INFORM THE ARCHITECTS AND ENGINEERS.
DE3	REMOVE WALL PARTITION IN ITS ENTIRETY.	FL3	UPGRADE PARTITION TO 1 HOUR FIRE AND SMOKE BARRIER. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD AND ALL PENETRATIONS WITH FIRE CAULK.	RC4	PATCH AND ALIGN ACT WITH EXISTING.	3.	THE INFORMATION SHOWN ON THE DRAWINGS IS BASED ON DRAWINGS AND PHOTOGRAPHS PROVIDED BY THE C.O.R. COMBINED WITH OBSERVATIONS AND SURVEYED DATA FROM THE ARCHITECTS AND ENGINEERS.
DE4	CAREFULLY REMOVE AND SALVAGE EXISTING ACT CEILING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION.	FL5	FINISH NEW PARTITION WITH P-2 & RB-1.	NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.		4.	SEE CIVIL, STRUCTURAL, TELECOM, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION REQUIREMENTS.
DE14	REFER TO ELECTRICAL FOR REMOVAL OF DEVICES.	FL15	PROVIDE BLACK OUT FILM AT EXISTING WINDOW. NOTED WINDOW SIZE IS APPROXIMATE. PROVIDE METAL SECURITY SCREEN AT EXTERIOR WINDOW. INFILL INTERIOR OF WINDOW WITH METAL STUD PARTITION.			5.	PORTABLE FIRE EXTINGUISHERS (CO2 OR HALOGENATED TYPE) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED WITHIN TELECOM ROOMS.
DE19	REMOVE EXISTING VCT FLOORING TO THE EXTENTS SHOWN. PREPARE FOR INSTALLATION OF NEW FLOORING.	FL20	TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.				
DE28	REMOVE AND SALVAGE DOOR PANEL.						
DE31	PREPARE WINDOW FOR SECURITY INFILL. REMOVE WINDOW SILL.						
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.		NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.					

No	REVISION	DATE

CONSULTANT

AST **SES** **SPECIALIZED ENGINEERING SOLUTIONS**

10360 Ellison Circle
Omaha, NE 68134

Phone: 402.991.5520
www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

Name: *Tom Olesak*

Typed or Printed Name: Tom Olesak

Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE

BASEMENT, FIRST, AND SECOND FLOOR PLANS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022

PLOT SCALE

PROJECT NO: 656-21-235

DRAWING NO: 9-AS100

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

VA

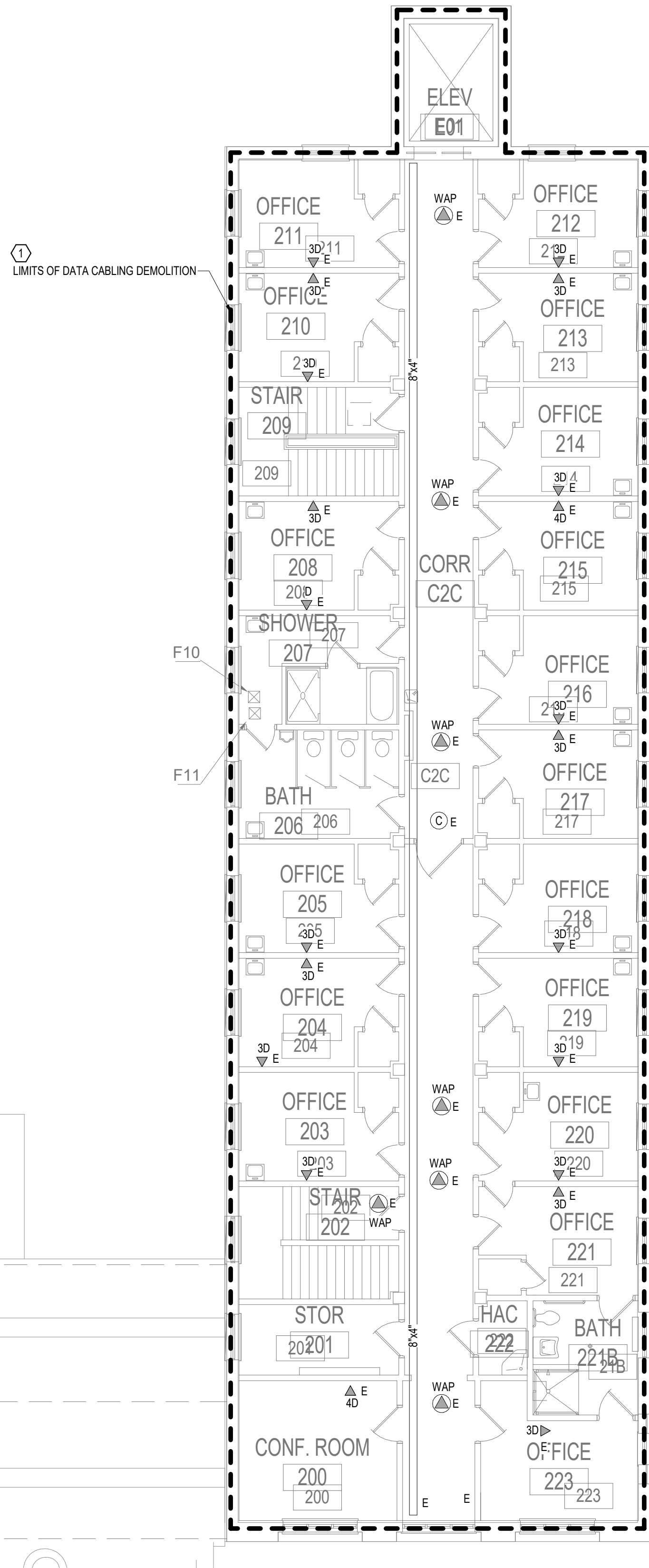
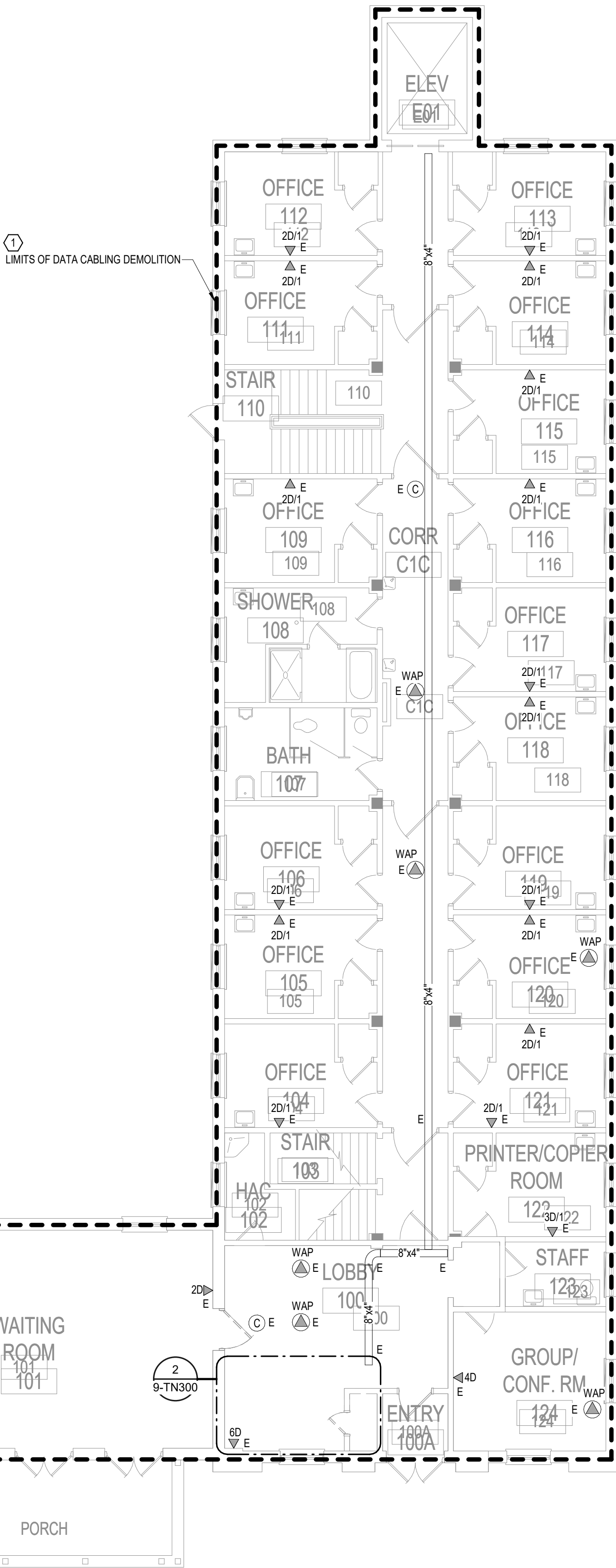
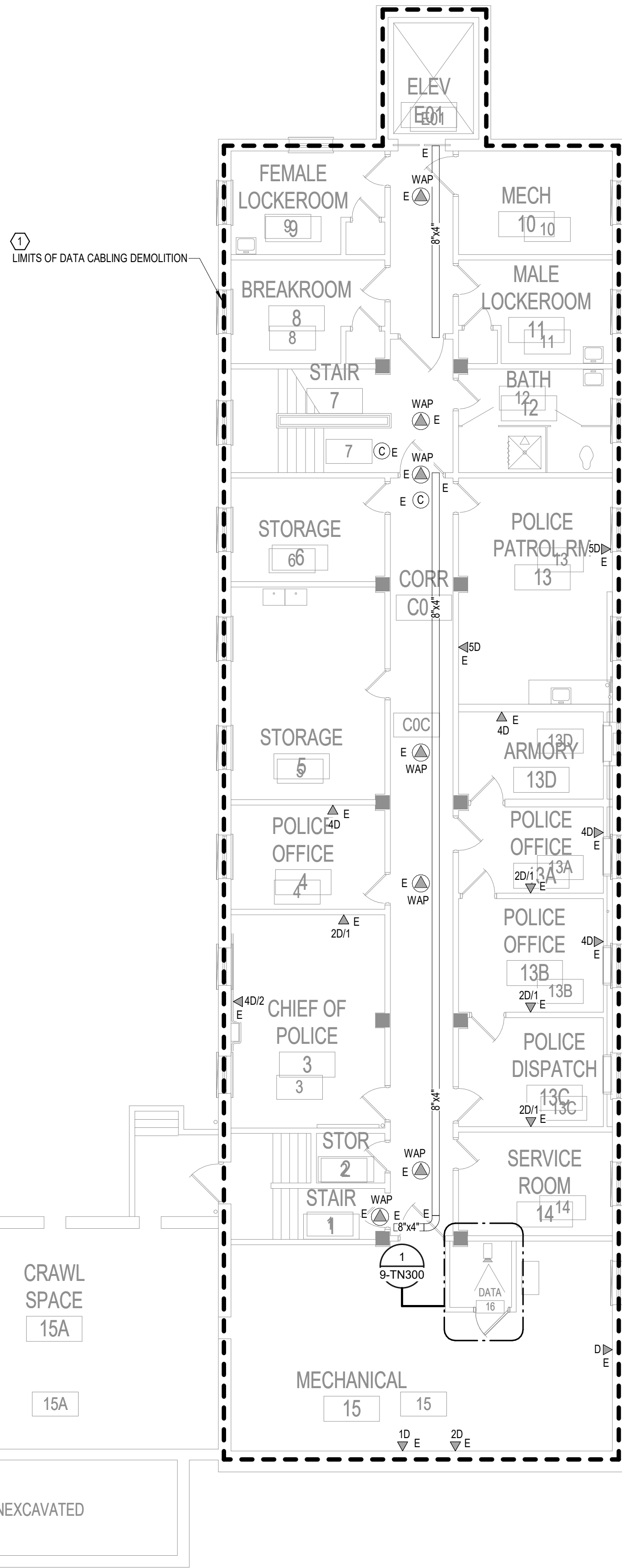
U.S. Department of Veterans Affairs

Veterans Health Administration

St. Cloud VA Health Care System

GENERAL NOTES:
A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.

SHEET NOTES:
1. REMOVE AND REPLACE EXISTING DATA CABLE. REMOVE ALL EXISTING DATA CABLES AND JACKS THROUGHOUT THIS AREA. REPLACE CABLES AND JACKS 1 FOR 1, AS REQUIRED BY THE NEW WORK PLANS. REFER TO NEW WORK PLANS FOR SERVING COMMUNICATIONS ROOM LOCATION AND NEW CABLING ROUTES.



1 BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
1/8" = 1'-0"

2 FIRST FLOOR PLAN - TELECOM - DEMOLITION
1/8" = 1'-0"

3 SECOND FLOOR PLAN - TELECOM - DEMOLITION
1/8" = 1'-0"

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No.	REVISION	DATE

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10360 Ellipse Circle
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ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

Bicsi
Nathan Timm
BICS1 ID # 346555
EXPIRES 12-31-24

DRAWING TITLE

FLOOR PLANS - TELECOM - DEMOLITION

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
DRAWING NO: 9-TD100

BUILDING NO: 9
CHECKED BY: KSB
DRAWN: SSK
FULLY SPRINKLERED

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

DWG. OF

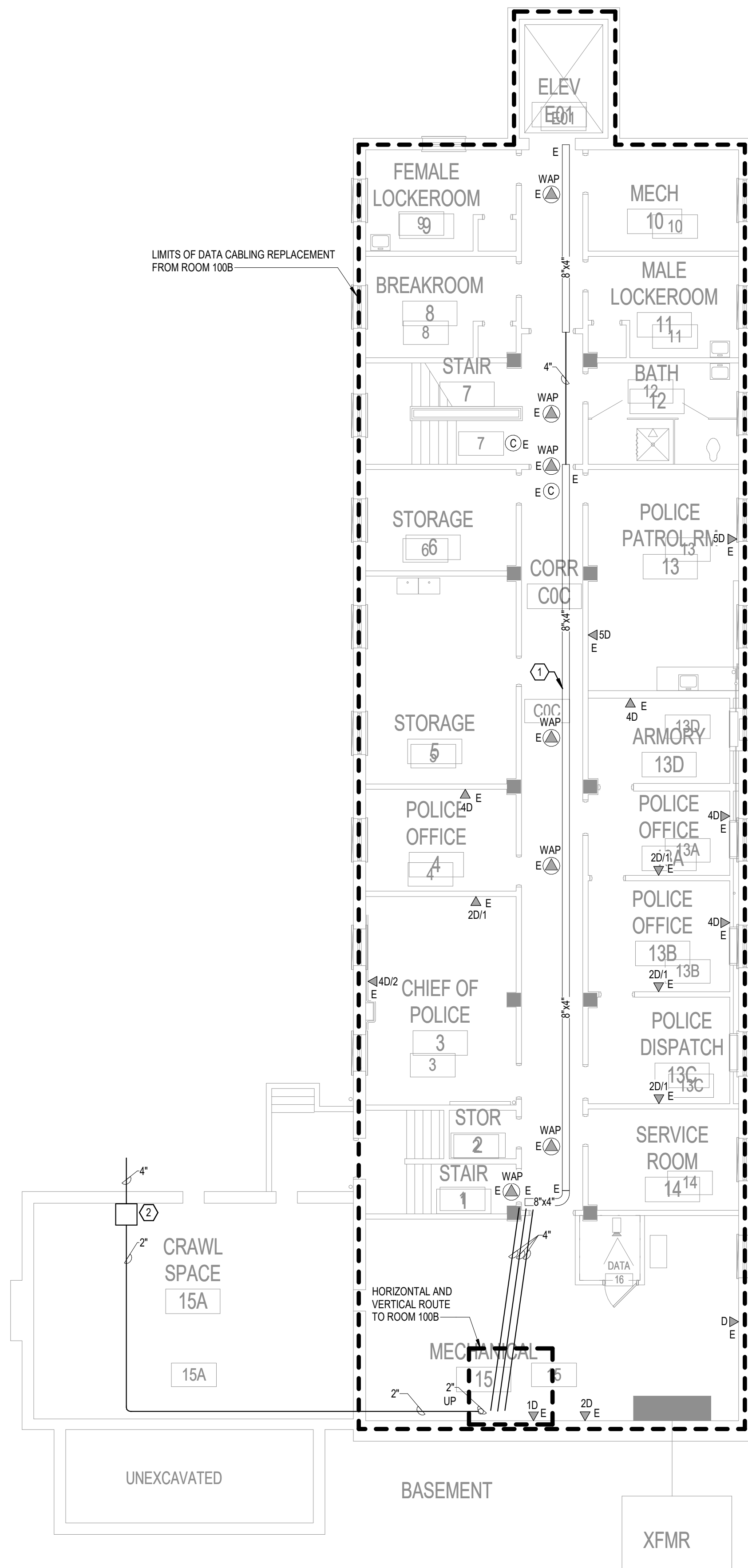
VA

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

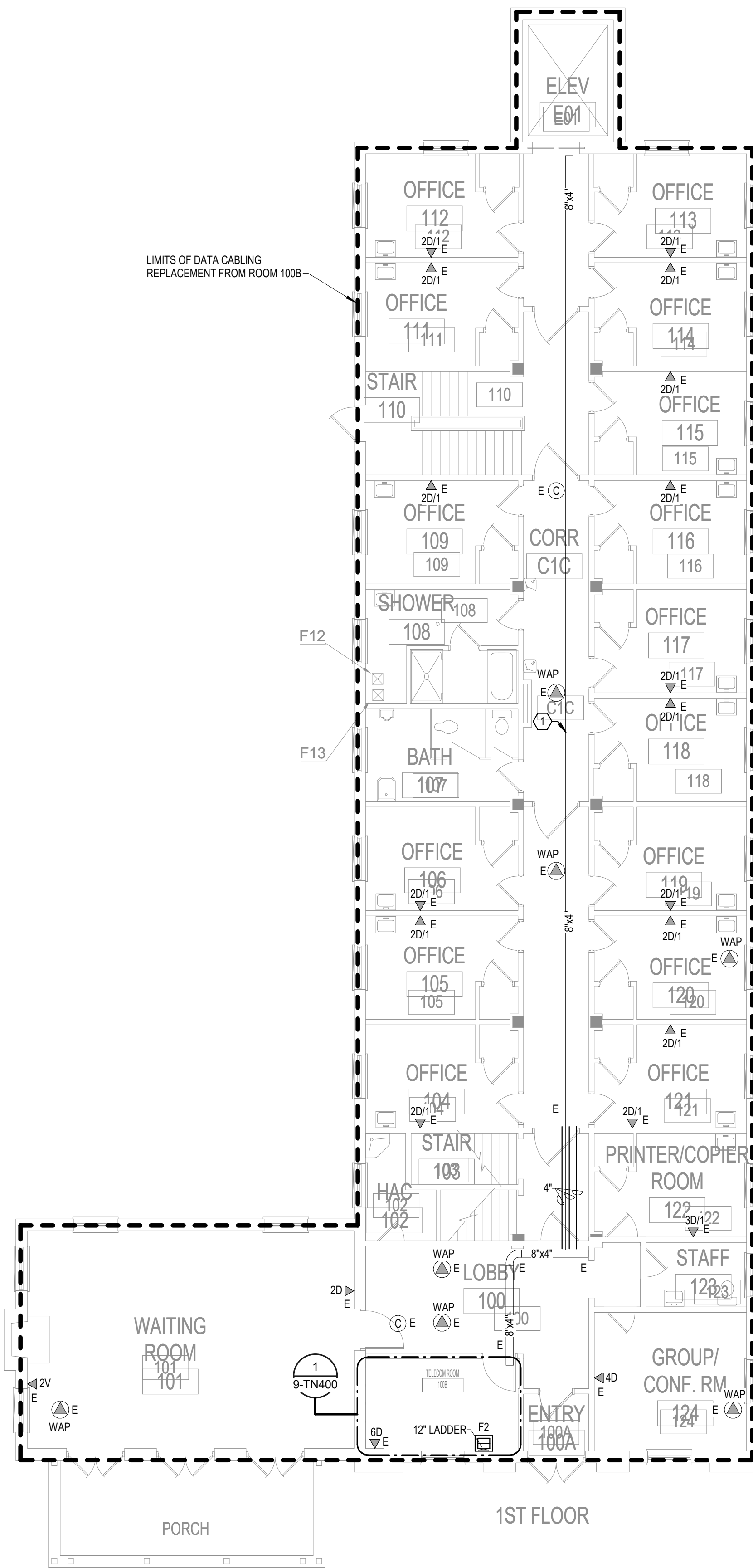
GENERAL NOTES:
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

SHEET NOTES:
1. CONTRACTOR TO PROVIDE NEW WIRE BASKET, AS NEEDED, TO MAINTAIN A 50% OR LESS FILL OF THE CABLE TRAY SYSTEM FOR THE FLOOR. THE NEW WIRE BASKET WILL MATCH THE SIZE AND DISTANCE, EITHER BESIDE OR BELOW THE EXISTING CABLE TRAY, TO MATCH THE EXISTING TELECOM CABLE TRAY.
2. PROVIDE JUNCTION BOX TO CONNECT FIBER CONDUIT ENTRY TO EXTEND CONDUIT PATHWAY TO THE NEW TELECOM ROOM.

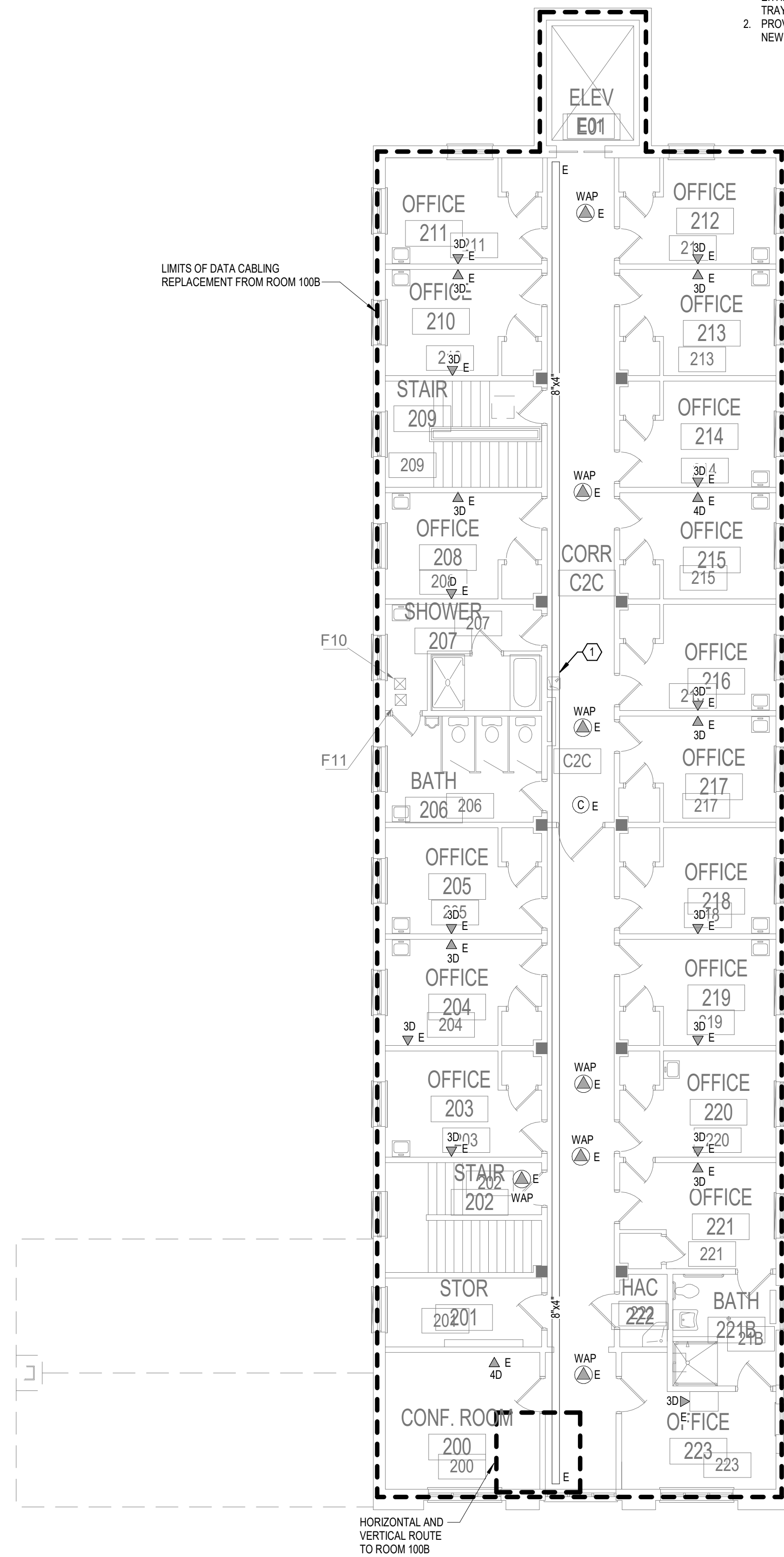
5/11/2022 3:46:09 PM
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1 BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"



2 FIRST FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"



3 SECOND FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"

No	REVISION	DATE

CONSULTANT

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Phone: 402.991.5530
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Nathan Timm
BICS ID # 346555
EXPIRES 12-31-24

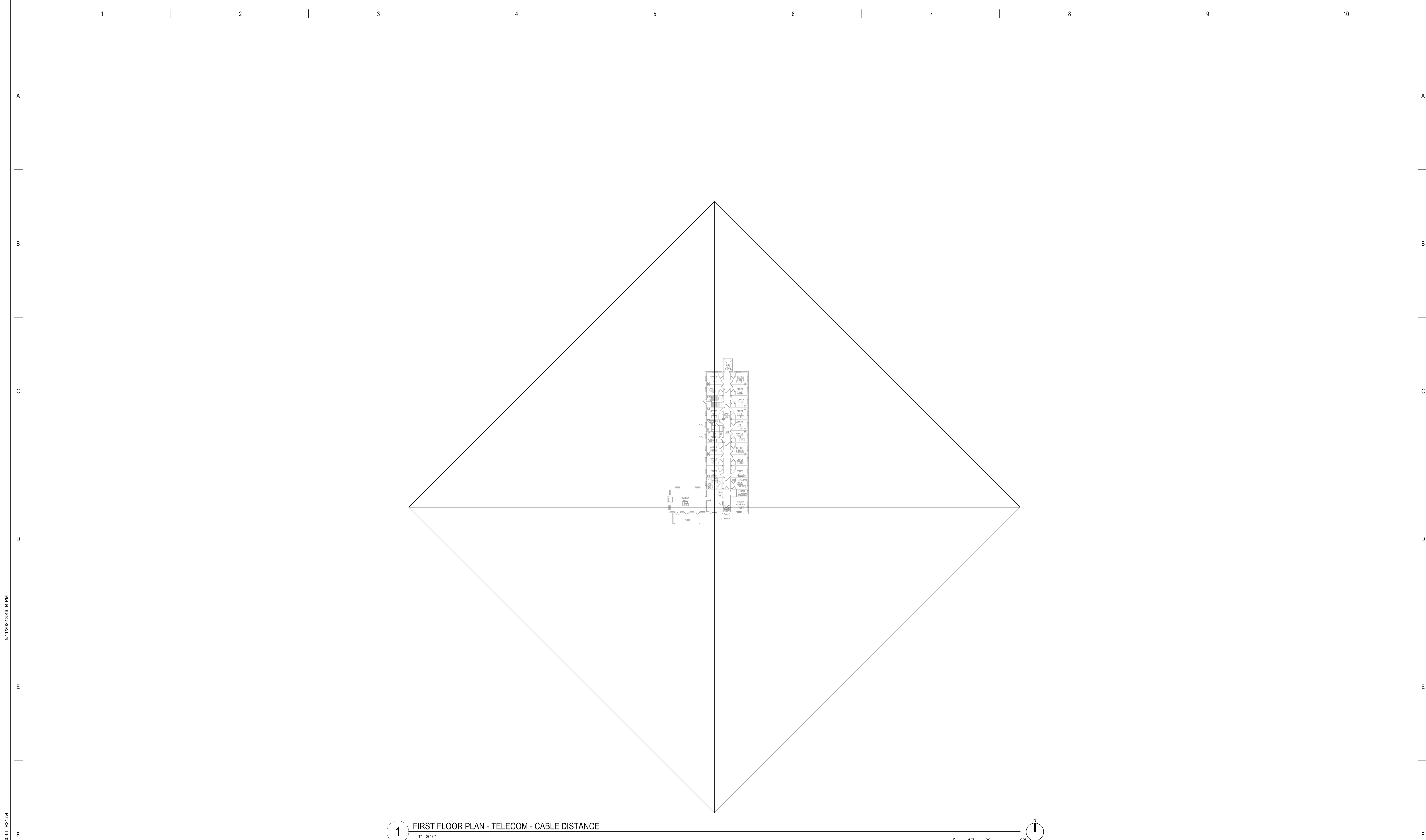
Nathan M. Timm

DRAWING TITLE
FLOOR PLANS -
TELECOMMUNICATIONS

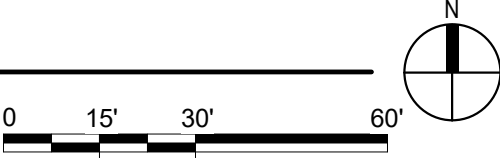
PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No 9	CHECKED BY KSB
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWING NO. 9-TN100
FULLY SPRINKLERED	DWG. OF

VA

**U.S. Department
of Veterans Affairs**
Veterans Health
Administration
St. Cloud VA
Health Care System



1 FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE
1" = 30'-0"



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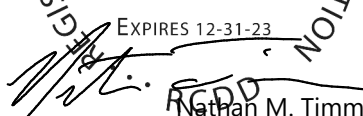
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DRAWING TITLE

FIRST FLOOR PLAN -
TELECOM - CABLE DISTANCE

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

BUILDING NO.
9

CHECKED BY
KSB

DRAWN
SSK

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

DRAWING NO.
9-TN210

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

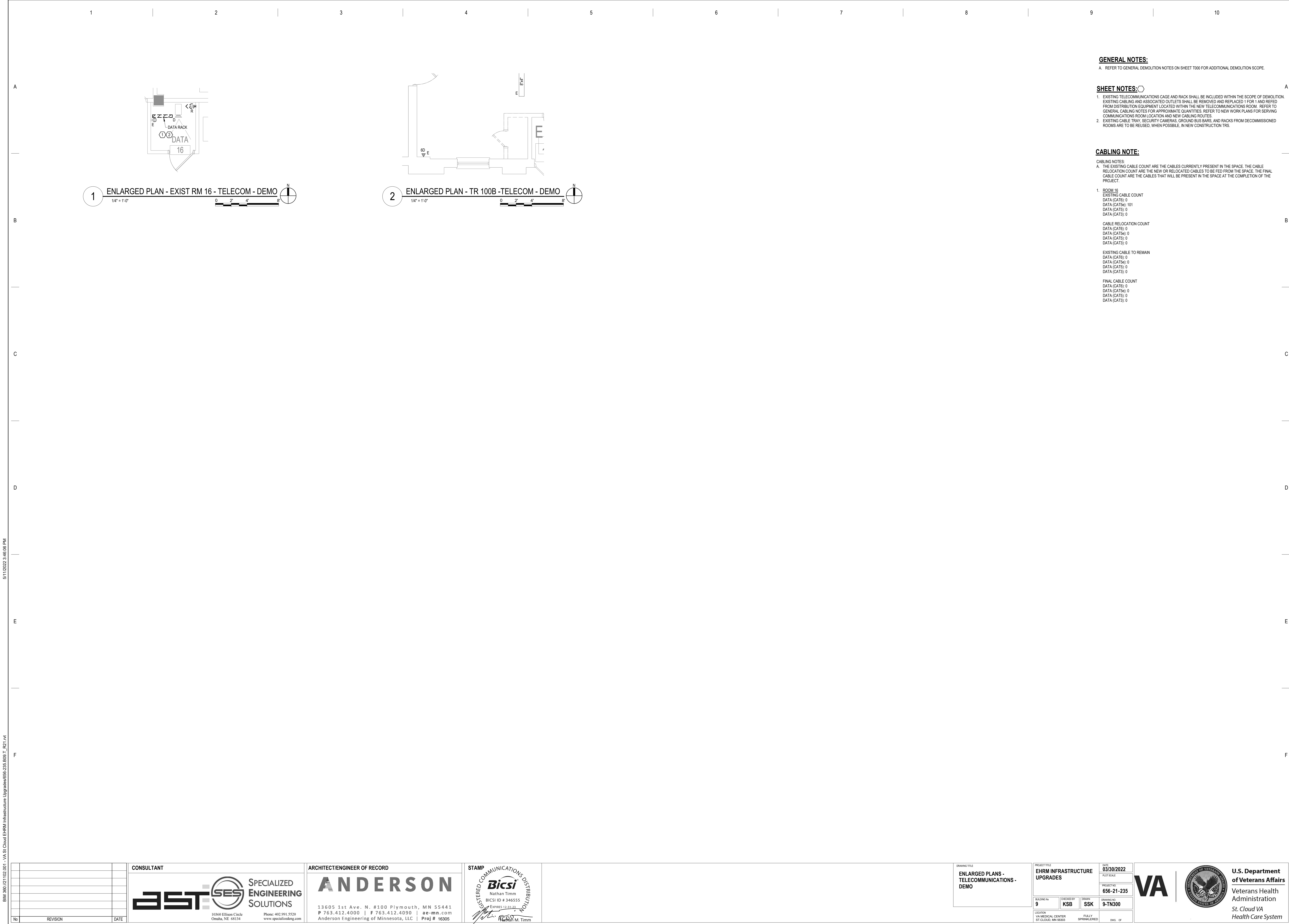
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of Veterans Affairs

Veterans Health
Administration
St. Cloud VA
Health Care System



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BICS1 ID # 346555

EXPIRES 12-31-24

Signature

Nathan M. Timm

DRAWING TITLE

ENLARGED PLANS -
TELECOMMUNICATIONS -
DEMO

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

9-TN300

BUILDING NO.

9

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DRAWN

SSK

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY
SPRINKLERED

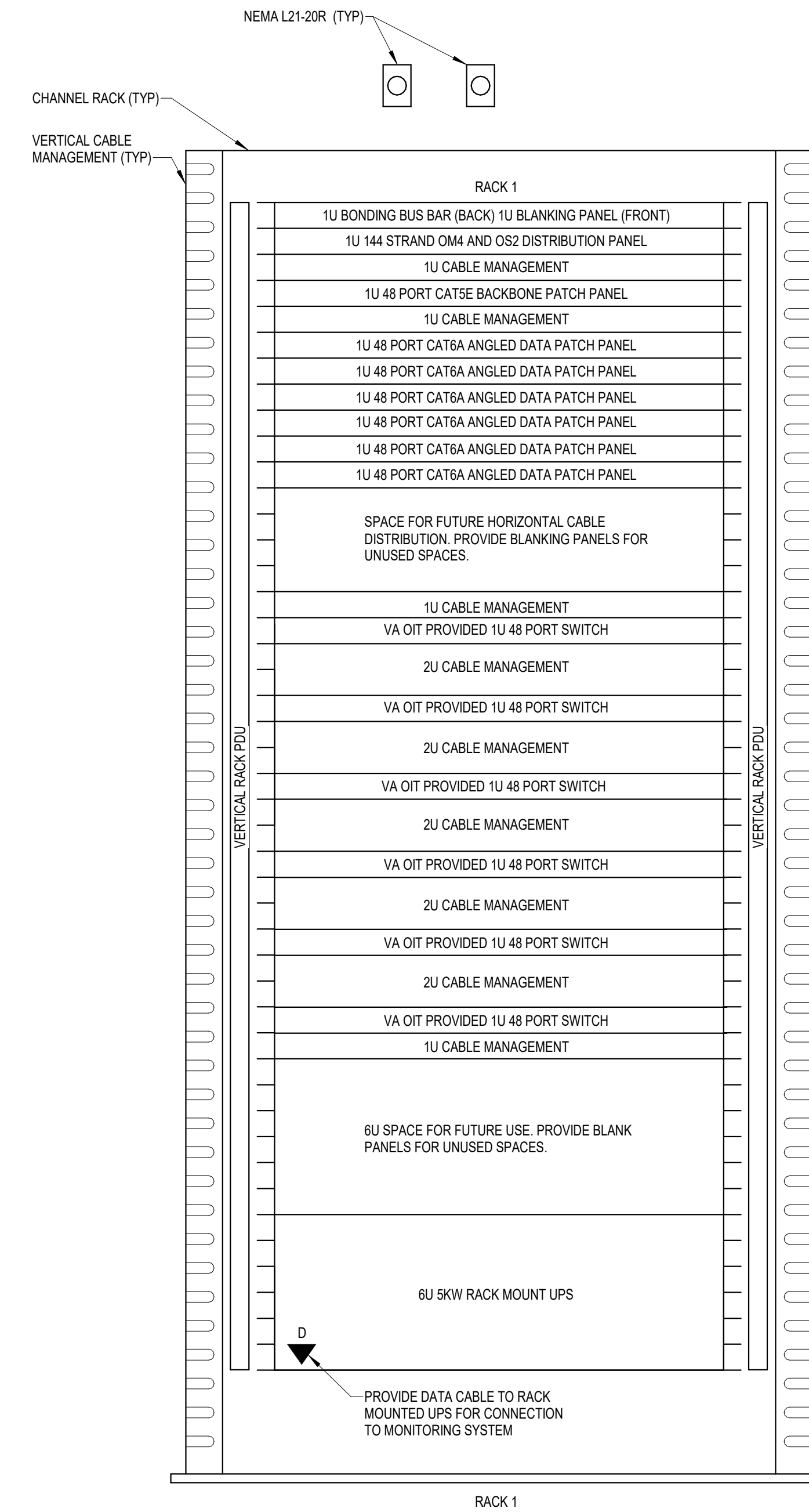
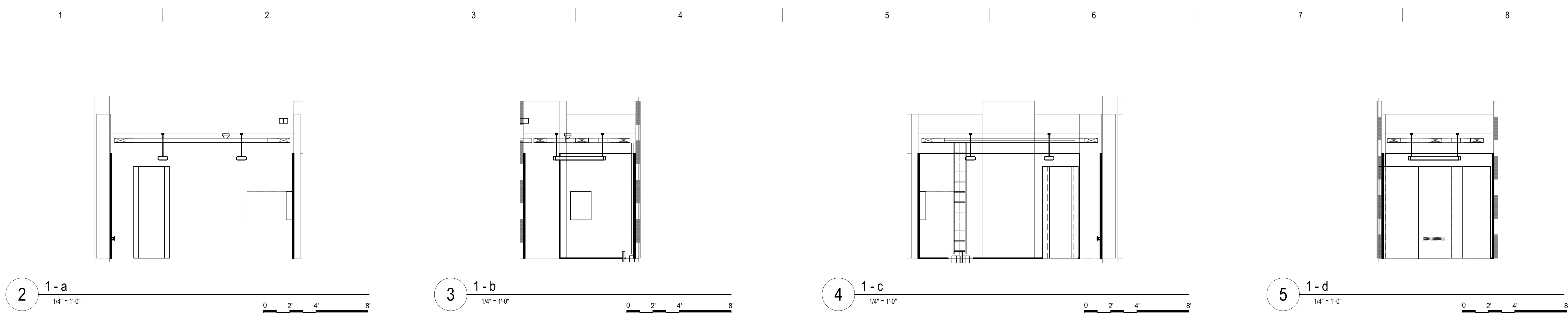
DWG. OF

VA

U.S. Department
of Veterans Affairs

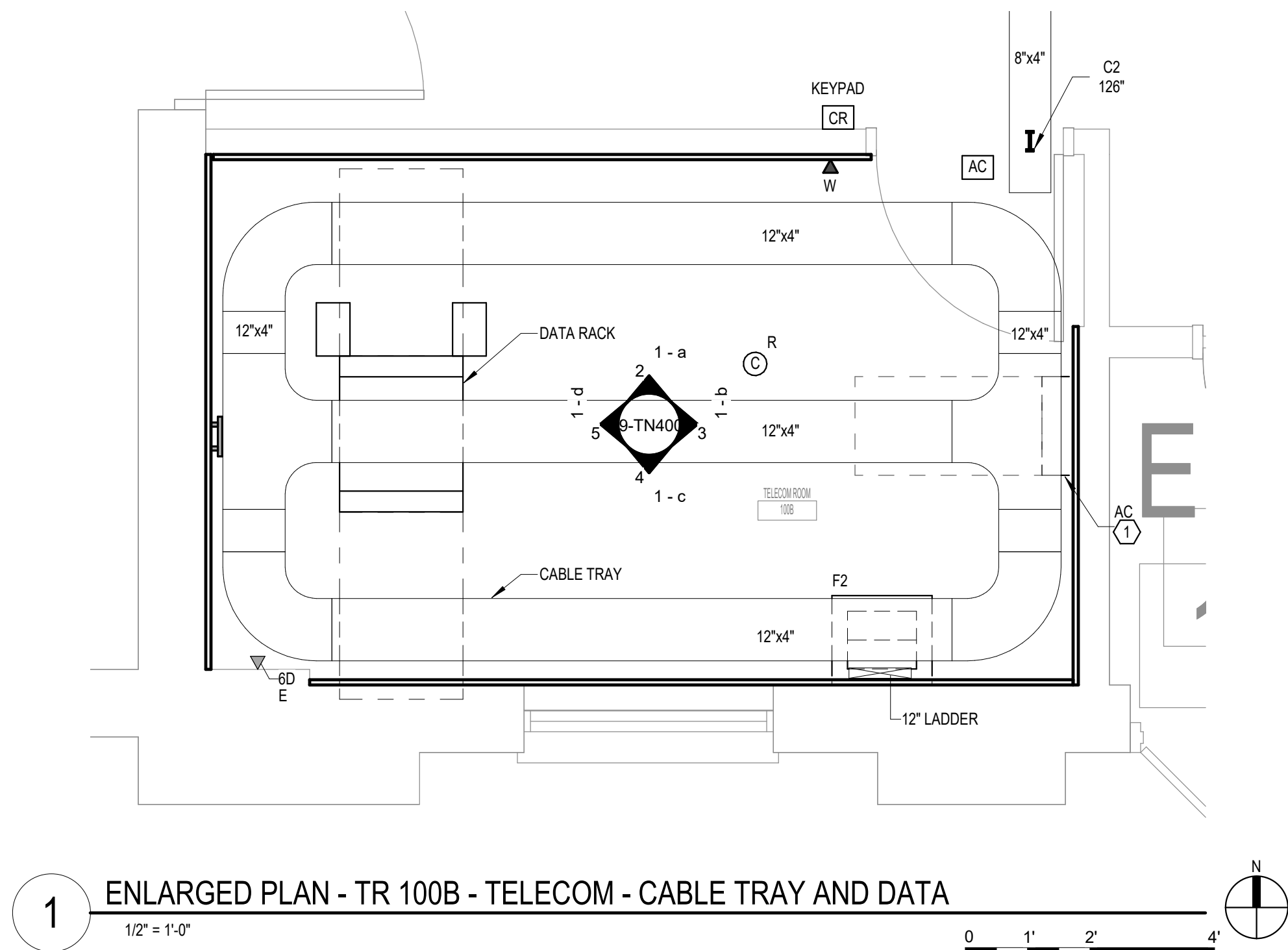
Veterans Health
Administration
St. Cloud VA
Health Care System

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- NOTES:
- REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
 - COORDINATE EXACT RACK COUNT AND LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
 - SEE PROJECT SPECIFICATIONS FOR ADDITIONAL RACK COMPONENTS.
 - RACK ELEVATION SHOWS A FULLY CONFIGURED SAMPLE RACK. CONTRACTOR TO PROVIDE REQUIRED EQUIPMENT TO SUPPORT THE FINAL DATA COUNT FROM THE ENLARGED NEW SHEET. (NOT TO EXCEED 288 PORTS PER RACK)
 - COORDINATE FINAL RACK COMPONENT LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL CABLE COUNT. QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, BLANKING PANELS, CABLE MANAGEMENT, AND MOUNTING HARDWARE NOT MARKED AS "OIT PROVIDED"
 - PUNCHDOWN COPPER BACKBONES ON RACK MOUNT PATCH PANELS. TERMINATE ONE (1) PAIR PER PATCH PANEL PORT.

6 COMMUNICATIONS - TYPICAL ONE RACK ELEVATION WITH RACK MOUNT UPS - TR 100B
NOT TO SCALE



1 ENLARGED PLAN - TR 100B - TELECOM - CABLE TRAY AND DATA
1/2" = 1'-0"

GENERAL NOTES:

A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE

SHEET NOTES:

1. PROVIDE A NEW ACCESS CONTROL PANEL TO BE INSTALLED IN THE TELECOM ROOM. THE CARD READER AND KEYPAD FOR THIS ROOM TO BE WIRED TO THE NEW ACCESS CONTROL PANEL. EXISTING CARD READERS AND KEYPADS WILL BE MOVED TO THE NEW CONTROL PANEL UNDER A DIFFERENT PROJECT.

CABLING NOTE:

CABLING NOTES:

A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE. THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM 100B

EXISTING CABLE COUNT

DATA (CAT5): 0

DATA (CAT5e): 0

DATA (CAT5): 0

DATA (CAT3): 0

CABLE RELOCATION COUNT

DATA (CAT5): 0

DATA (CAT5e): 101 FROM ROOM 16

DATA (CAT5): 0

DATA (CAT3): 0

EXISTING CABLE TO REMAIN

DATA (CAT5): 0

DATA (CAT5e): 0

DATA (CAT5): 0

DATA (CAT3): 0

FINAL CABLE COUNT

DATA (CAT5A): 101

DATA (CAT3): 0

No	REVISION	DATE

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BICS1 ID # 346555

EXPIRES 12-31-24

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DRAWING TITLE

ENLARGED PLANS - TELECOMMUNICATIONS

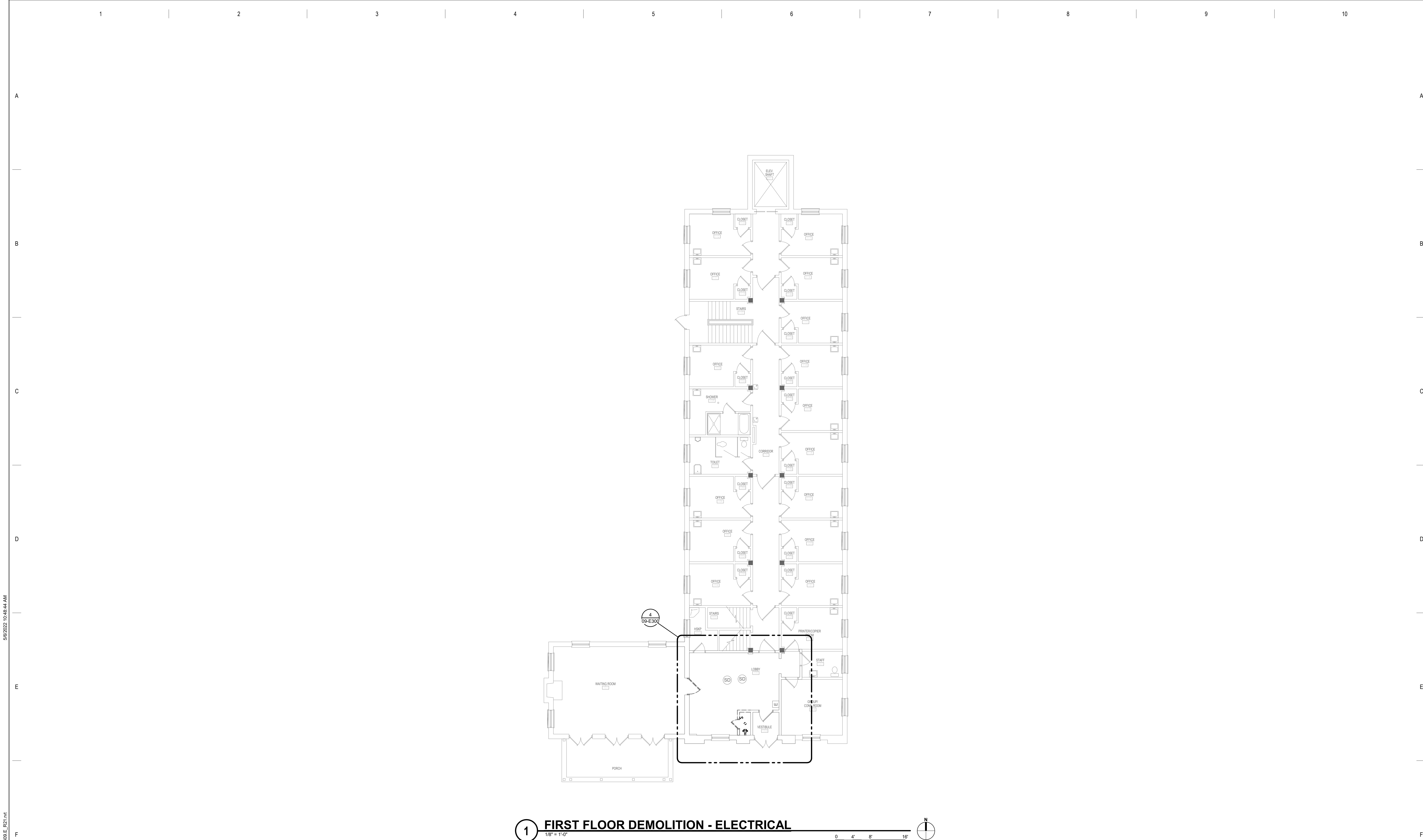
PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No	CHECKED BY
9	KSB
DRAWN	DRAWING NO.
SSK	9-TN400
LOCATION	FULLY SPRINKLERED
VA MEDICAL CENTER ST. CLOUD, MN 56303	DWG. OF

VA

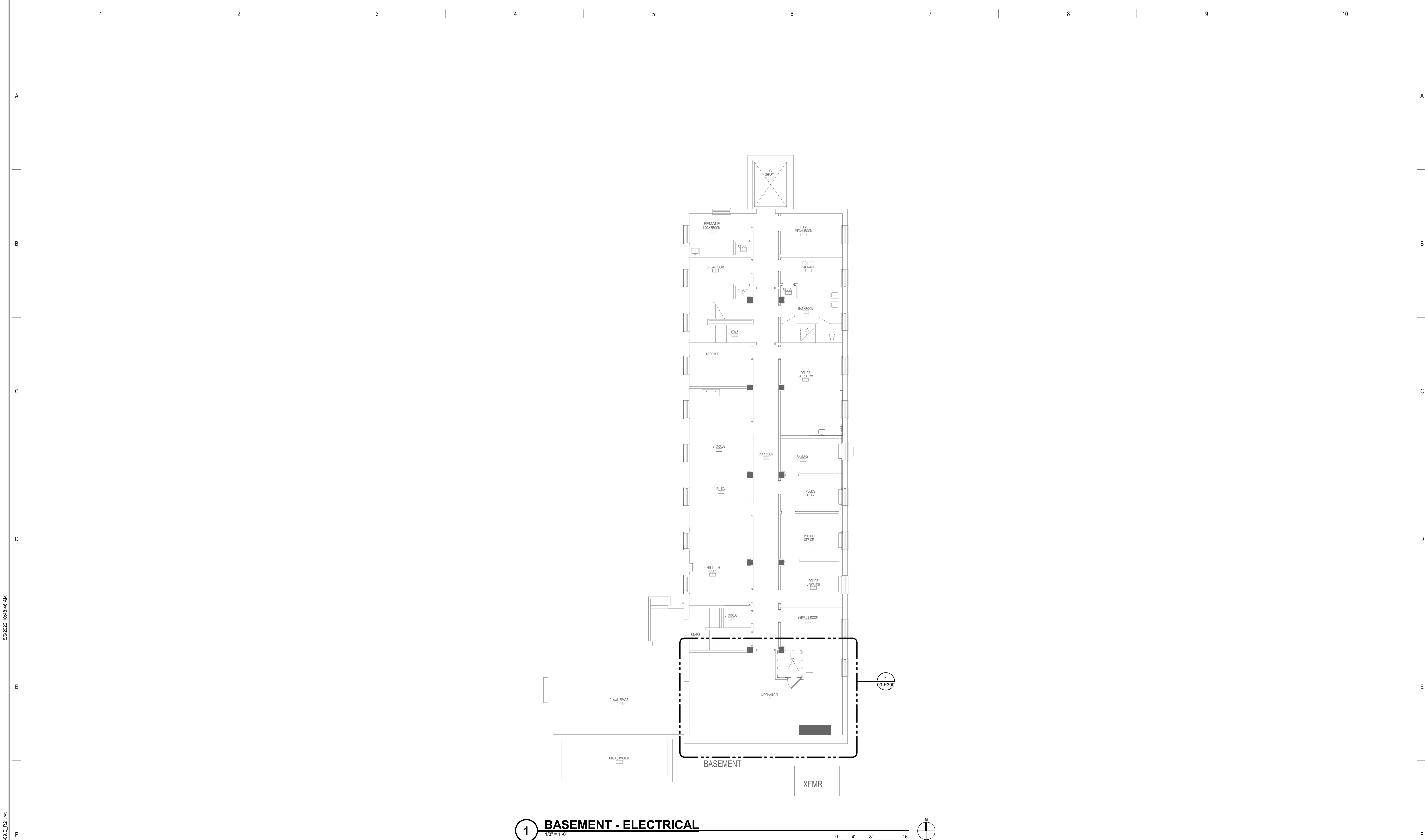
U.S. Department of Veterans Affairs

Veterans Health Administration

St. Cloud VA Health Care System



<div>100% CD</div> <div>No</div>		<div>REVISION</div> <div>DATE</div>	<div>CONSULTANT</div> <div><div>ASTSES</div><div>SPECIALIZED ENGINEERING SOLUTIONS</div><div>10360 Ellison Circle Omaha, NE 68134</div><div>Phone: 402.991.5520 www.specializedeng.com</div></div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div>ANDERSON</div> <div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16305</div>	<div>STAMP</div> <div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>52005</div><div>05-06-2022</div></div>	<div>DRAWING TITLE</div> <div>FIRST FLOOR DEMOLITION - ELECTRICAL</div>	<div>PROJECT TITLE</div> <div>EHRM INFRASTRUCTURE UPGRADES</div>	<div>DATE</div> <div>03/30/2022</div>	<div>BUILDING No</div> <div>09</div>	<div>CHECKED BY</div> <div>TBD</div>	<div>DRAWN</div> <div>GJL</div>	<div>DRAWING No</div> <div>09-E100</div>	<div>LOCATION</div> <div>VA MEDICAL CENTER ST. CLOUD, MN 56303</div>	<div>FULLY SPRINKLERED</div> <div>DWG. OF</div>	<div>U.S. Department of Veterans Affairs</div> <div>Veterans Health Administration</div> <div>St. Cloud VA Health Care System</div>
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No	REVISION	DATE
100% CD		03/30

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Professional Engineer
Electrical
55005
05-06-2022

DRAWING TITLE

BASEMENT - ELECTRICAL

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

09-E200

BUILDING NO.

09

CHECKED BY

TBD

DRAWN

GJL

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

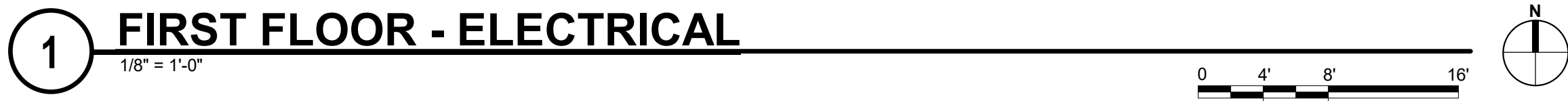
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VA

U.S. Department
of Veterans Affairs

Veterans Health
Administration
St. Cloud VA
Health Care System



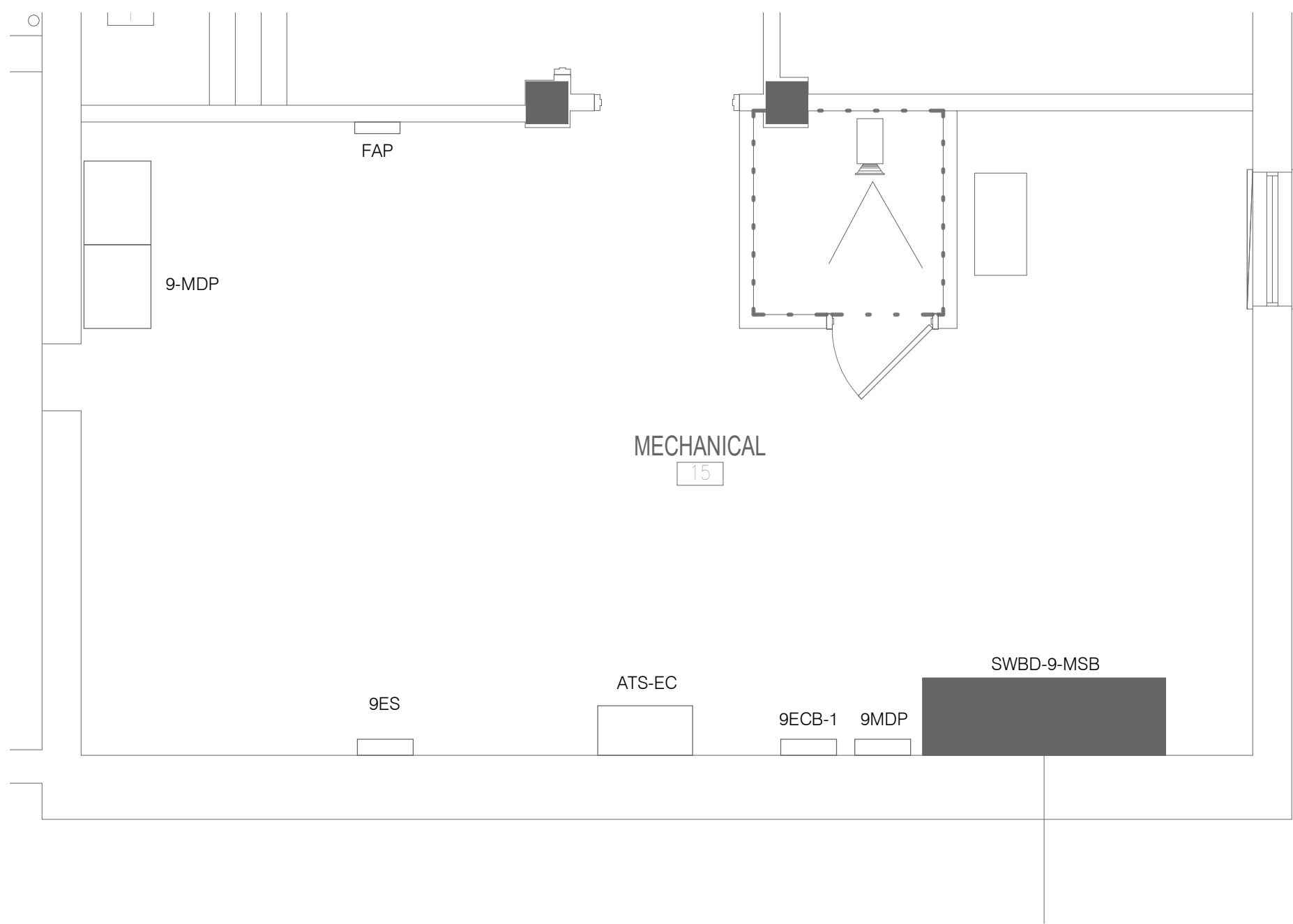
VA |  **U.S. Department
of Veterans Affairs**
Veterans Health
Administration
*St. Cloud VA
Health Care System*

SHEET NOTES:

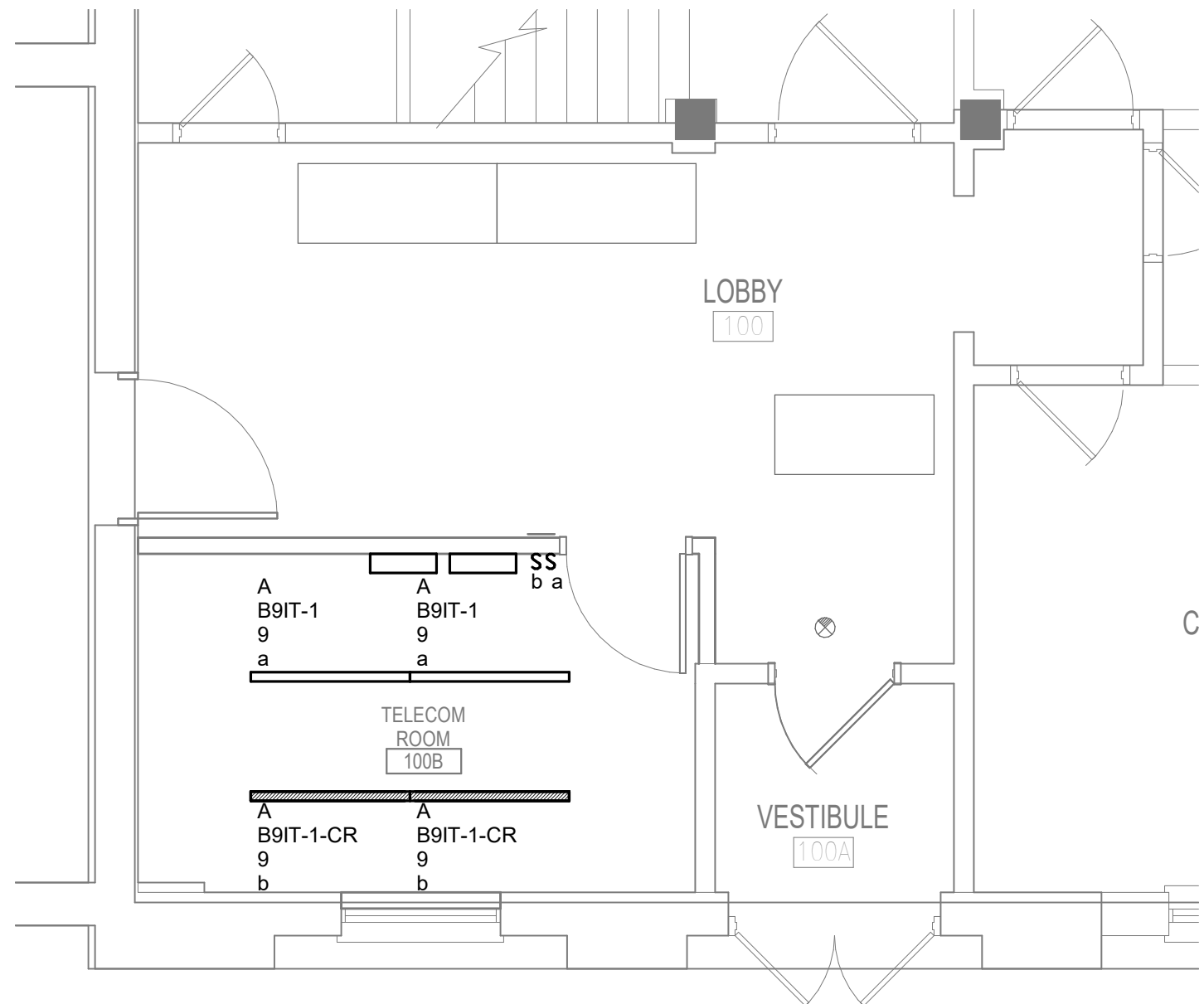
1. REFER TO TECHNOLOGY PLANS FOR IT ROOM LAYOUT AND RACK LAYOUT/DETAILS.
2. REFER TO SHEET 0-GE400 DETAIL LAYOUT & ONE-LINE OF RACK.

KEYNOTES: (C #)

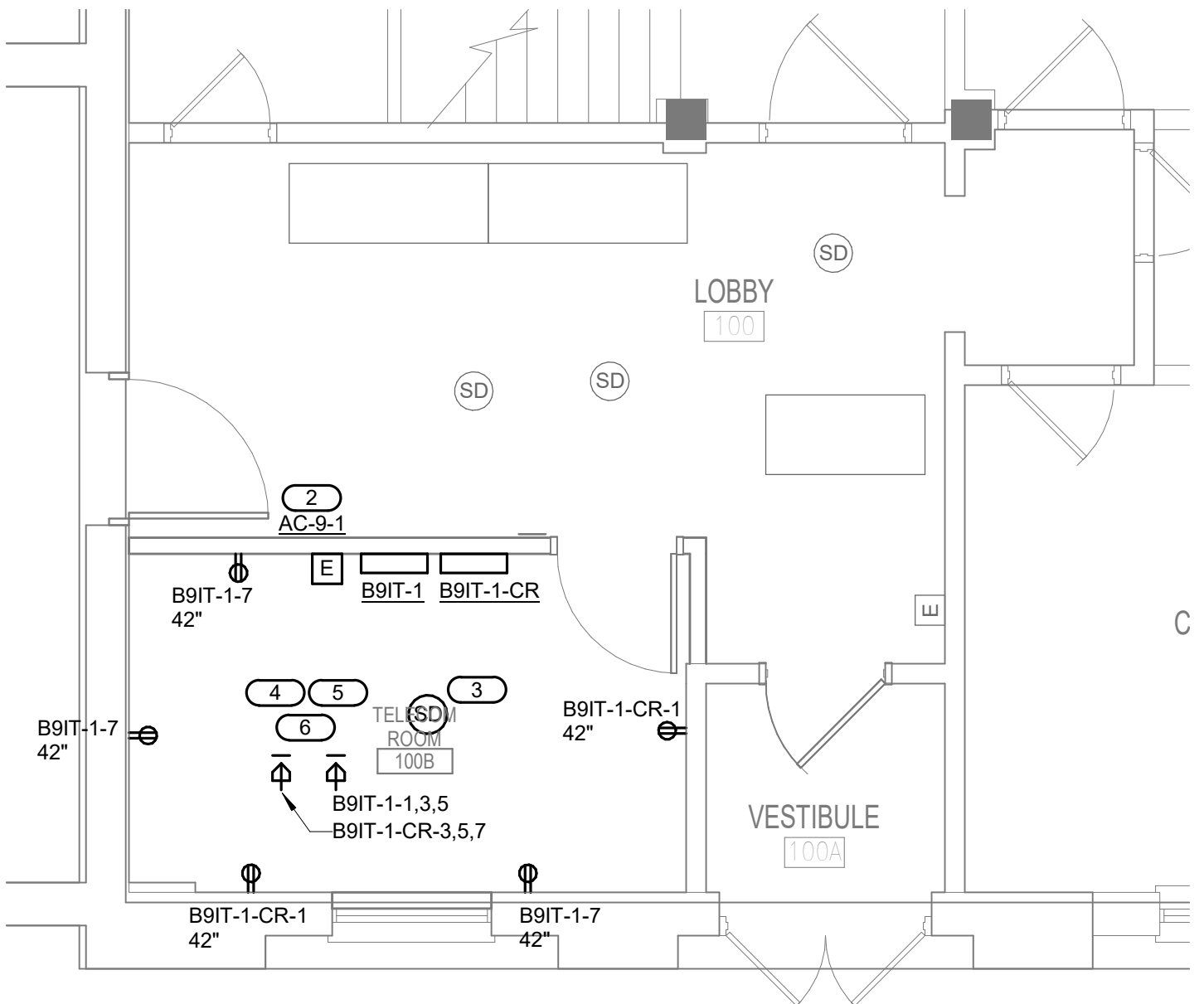
1. DISCONNECT AND REMOVE LIGHTS AND RECEPTACLES IN AREA OF NEW IT ROOM. MAINTAIN CIRCUIT CONTINUITY TO ADJOINING SPACES.
2. INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
3. CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLC.
4. COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4"C-4#12, 1#12 GND TO PANEL FOR EACH RECEPTACLE.
5. PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
6. PROVIDE APC#AP861 RPDU RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, (36) C13 (6) C19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.



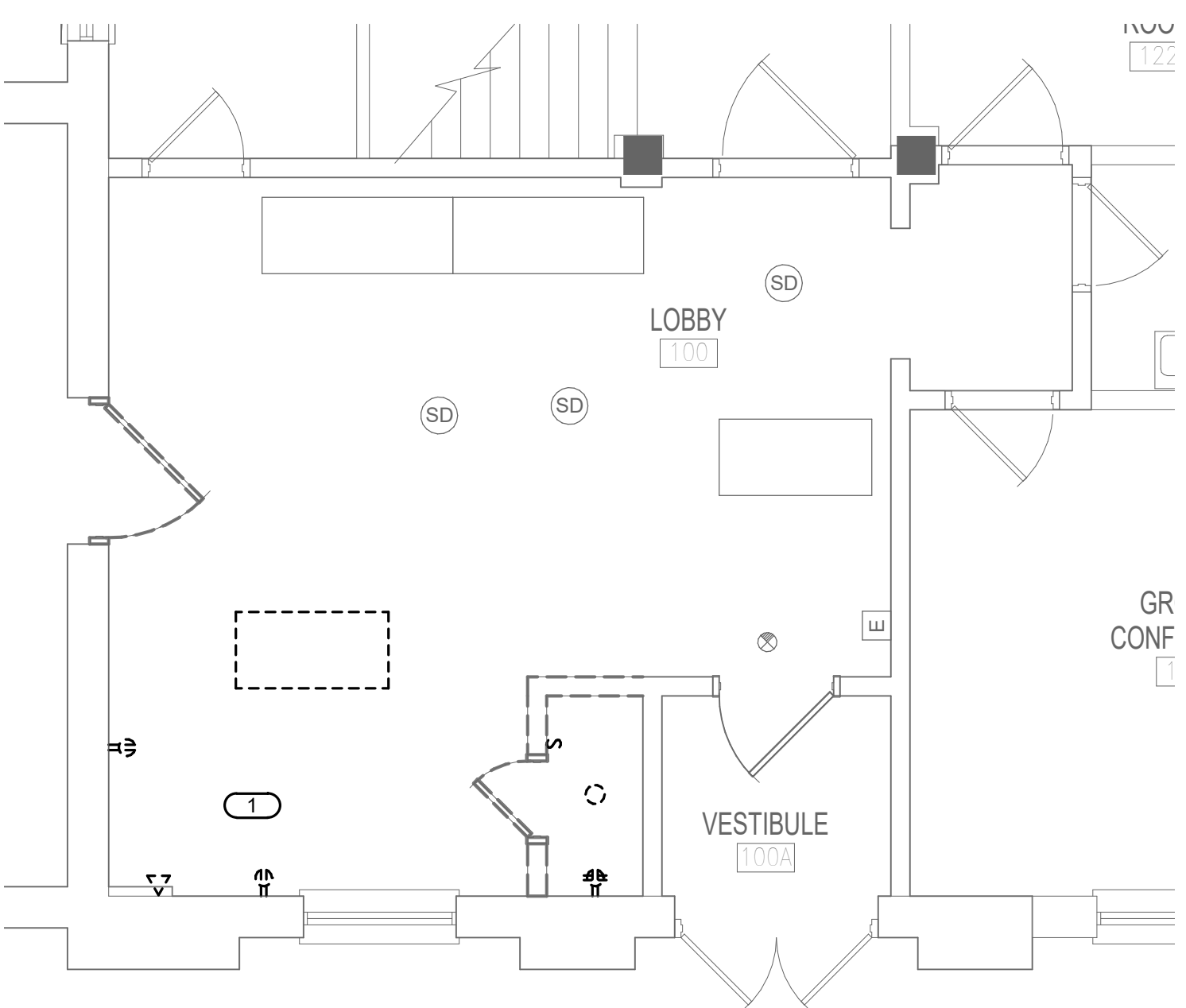
1 BASEMENT ENLARGED - MECH 15 - ELECTRICAL
1/4" = 1'-0"



2 FIRST FLOOR ENLARGED - TR 100B - LIGHTING
1/4" = 1'-0"



3 FIRST FLOOR ENLARGED - TR 100B - POWER & SYSTEM
1/4" = 1'-0"



4 FIRST FLOOR DEMOLITION ENLARGED - TR 100B - ELECTRICAL
1/4" = 1'-0"

No	100% CD	REVISION	03/30	DATE
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REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
55005

05-06-2022

DRAWING TITLE

ELECTRICAL ENLARGED PLANS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
BUILDING NO: 09
CHECKED BY: TBD
DRAWN: GJL
DRAWING NO: 09-E300

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED
DWS OF

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

KEYNOTES: (#)

1. PROVIDE NEW 100A/3P CIRCUIT BREAKER IN EXISTING PANEL TO MATCH EXISTING TYPE AND AIC RATING.

2. PROVIDE NEW 100A/3P SWITCH FUSED AT 100AMPS.

MOUNTING: SURFACE

ENCLOSURE: NEMA PB 1

FED FROM: SWBD-9-MSB

LOCATION: TELECOM ROOM 100B

SOLID NEUTRAL

GROUND BUS

MAIN: 100 A MCB

VOLTS: 120/208 Wye

PHASE: 3

WIRE: 4

SCCR: 10 kA

NOTES:

K E Y	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H N G	A	B	C	WIRE SIZE G N H P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	K E Y
--	1	L21-20R RACK	20 A	3	--	1.67	0		--	--	1 20 A	SPARE	2 --
--	3	--	--	--	--	1.67	0		--	--	1 20 A	SPARE	4 --
--	5	--	--	--	--			1.67	0	--	1 20 A	SPARE	6 --
--	7	TELECOM ROOM REC.	20 A	1	--	0.54	0		--	--	1 20 A	SPARE	8 --
--	9	LIGHTING	20 A	1	--	0.04	0		--	--	1 20 A	SPARE	10 --
--	11	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	12 --
--	13	SPARE	20 A	1	--	0	0		--	--	1 20 A	SPARE	14 --
--	15	SPARE	20 A	1	--		0	0	--	--	1 20 A	SPARE	16 --
--	17	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	18 --
--	19	SPARE	20 A	1	--	0	0		--	--	1 20 A	SPARE	20 --
--	21	SPARE	20 A	1	--		0	0	--	--	1 20 A	SPARE	22 --
--	23	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	24 --
--	25	SPARE	20 A	1	--	0	0		--	--	1 20 A	SPARE	26 --
--	27	SPARE	20 A	1	--		0	0	--	--	1 20 A	SPARE	28 --
--	29	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	30 --
		Total Load:	2.21 kVA			1.71 kVA	1.67 kVA						
		Total Amps:	18.45			14.32	13.89						

LOAD CLASSIFICATION

CONNECTED LOAD

DEMAND FACTOR

ESTIMATED DEMAND

TOTALS*

Lighting	0.044 kVA	100.00%	0.044 kVA	
Power	5 kVA	100.00%	5 kVA	TOTAL CONNECTED LOAD: 5.58 kVA
Receptacles	0.54 kVA	100.00%	0.54 kVA	TOTAL ESTIMATED DEMAND LOAD: 5.584 kVA
				TOTAL CONNECTED AMPS: 15.50 A
				TOTAL ESTIMATED DEMAND AMPS: 15.5 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

MOUNTING: SURFACE

ENCLOSURE: NEMA PB 1

FED FROM: 9-ECB-1

LOCATION: TELECOM ROOM 100B

SOLID NEUTRAL

GROUND BUS

MAIN: 100 A MCB

VOLTS: 120/208 Wye

PHASE: 3

WIRE: 4

SCCR: 10 kA

NOTES:

K E Y	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H N G	A	B	C	WIRE SIZE G N H P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	K E Y
--	1	TELECOM ROOM REC.	20 A	1	--	0.36	0		--	--	1 20 A	SPARE	2 --
--	3	L21-20R RACK	20 A	3	--	1.67	0		--	--	1 20 A	SPARE	4 --
--	5	--	--	--	--			1.67	0	--	1 20 A	SPARE	6 --
--	7	--	--	--	--	1.67	0		--	--	1 20 A	SPARE	8 --
--	9	LIGHTING	20 A	1	--	0.04	0		--	--	1 20 A	SPARE	10 --
--	11	WP GFI REC.	20 A	1	--			0.18	0	--	1 20 A	SPARE	12 --
--	13	CU-9-1	20 A	2	--	1	0		--	--	1 20 A	SPARE	14 --
--	15	--	--	--	--		1	0	--	--	1 20 A	SPARE	16 --
--	17	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	18 --
--	19	SPARE	20 A	1	--	0	0		--	--	1 20 A	SPARE	20 --
--	21	SPARE	20 A	1	--		0	0	--	--	1 20 A	SPARE	22 --
--	23	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	24 --
--	25	SPARE	20 A	1	--	0	0		--	--	1 20 A	SPARE	26 --
--	27	SPARE	20 A	1	--		0	0	--	--	1 20 A	SPARE	28 --
--	29	SPARE	20 A	1	--			0	0	--	1 20 A	SPARE	30 --
		Total Load:	3.03 kVA			2.71 kVA	1.85 kVA						
		Total Amps:	26.33			23.70	15.39						

LOAD CLASSIFICATION

CONNECTED LOAD

DEMAND FACTOR

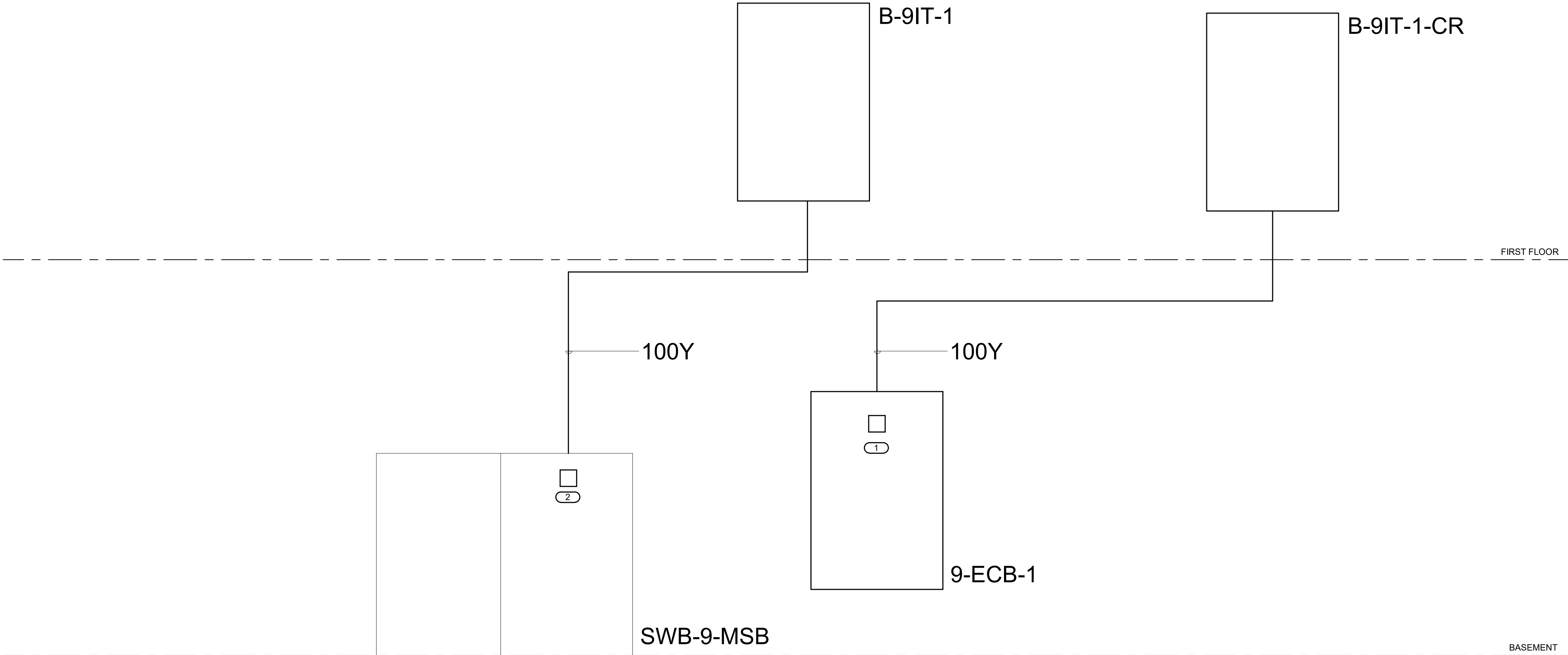
ESTIMATED DEMAND

TOTALS*

Lighting	0.044 kVA	100.00%	0.044 kVA	
Power	7 kVA	100.00%	7 kVA	TOTAL CONNECTED LOAD: 7.58 kVA
Receptacles	0.54 kVA	100.00%	0.54 kVA	TOTAL ESTIMATED DEMAND LOAD: 7.584 kVA
				TOTAL CONNECTED AMPS: 21.05 A
				TOTAL ESTIMATED DEMAND AMPS: 21.1 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:



1 PARTIAL POWER RISER

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F

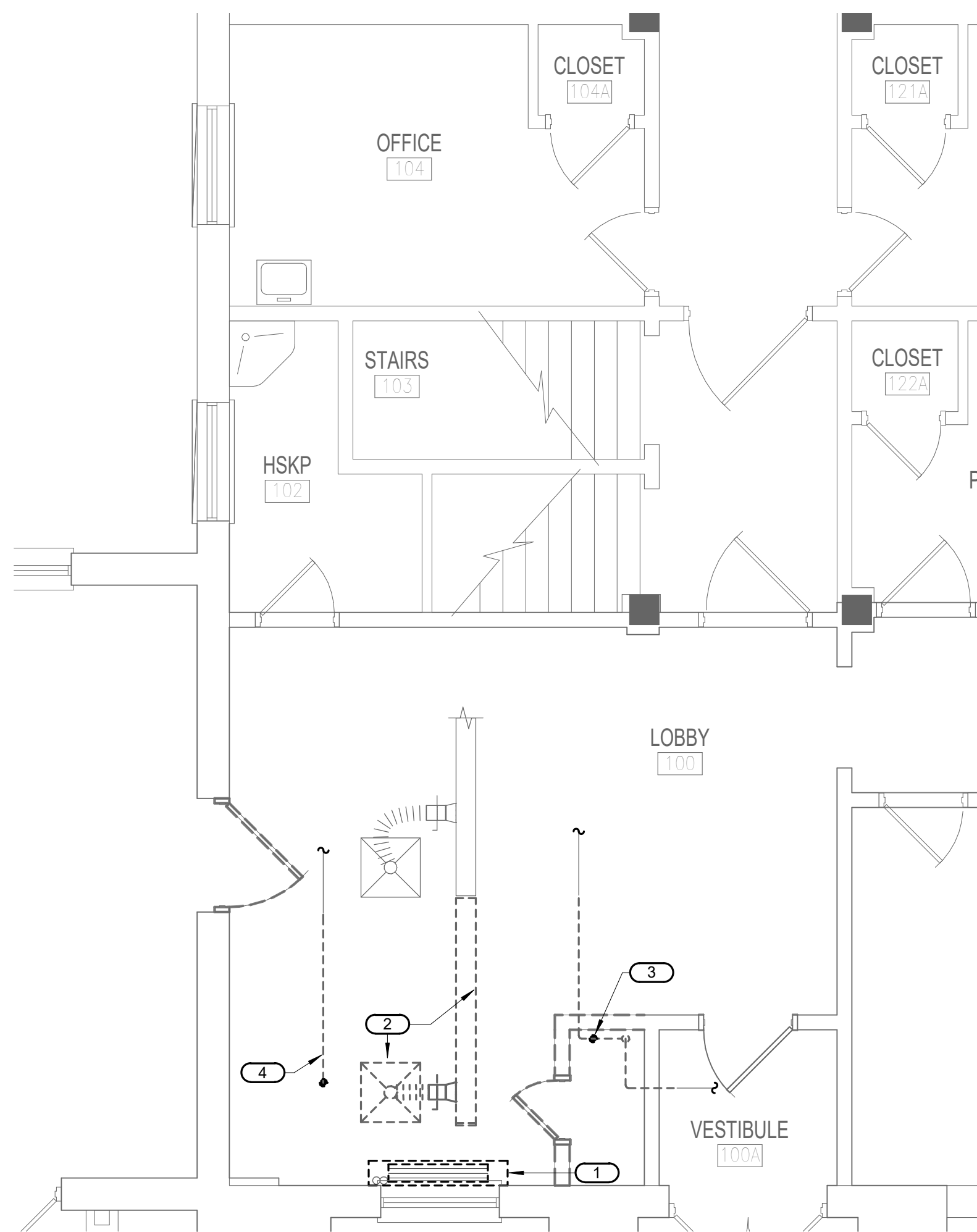
VA |  **U.S. Department of Veterans Affairs**
Veterans Health Administration
St. Cloud VA Health Care System

FIELD VERIFICATION NOTES

- THE HVAC CONTRACTOR SHOULD VISIT THE SITE **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
 - EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER, AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN OR NOT.
 - SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS AND DIFFUSERS.
 - SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL DEVICES.
 - SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING
- ALL REFERENCES ON THESE DRAWINGS TO EXISTING EQUIPMENT, DUCTWORK, DIFFUSERS, THERMOSTATS AND PIPING ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL THESE ITEMS PRIOR TO BID AND INCLUDE IN THEIR BID ANY AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
- NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.

KEYNOTES 1/09-M101:

- REMOVE AND DISPOSE OF EXISTING UNIT CONVECTOR AND CONTROLS. CAP PIPING AT FLOOR.
- REMOVE AND DISPOSE OF EXISTING SA DIFFUSER AND BRANCH DUCT SECTION. CAP WHERE SHOWN.
- REMOVE AND DISPOSE OF EXISTING SPRINKLER AND 1-1/4" SPRINKLER PIPE. PREPARE FOR RECONNECTION.
- REMOVE EXISTING SPRINKLER LINE BACK INTO LOBBY AREA AND PREPARE FOR RECONNECTION.



1 FIRST FLOOR DEMOLITION - TELECOM 100B
1/4" = 1'-0"

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CONSULTANT

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SOLUTIONS

10360 Ellipse Circle
Omaha, NE 68134
Phone: 402.991.5520
www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

Name: _____

Date: 03/30/2022

License Number: MN# _____

DRAWING TITLE

FIRST FLOOR DEMOLITION - MECHANICAL

PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

09-M101

BUILDING NO.

9

CHECKED BY

RDL

DRAWN

DJC

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

VA

U.S. Department
of Veterans Affairs

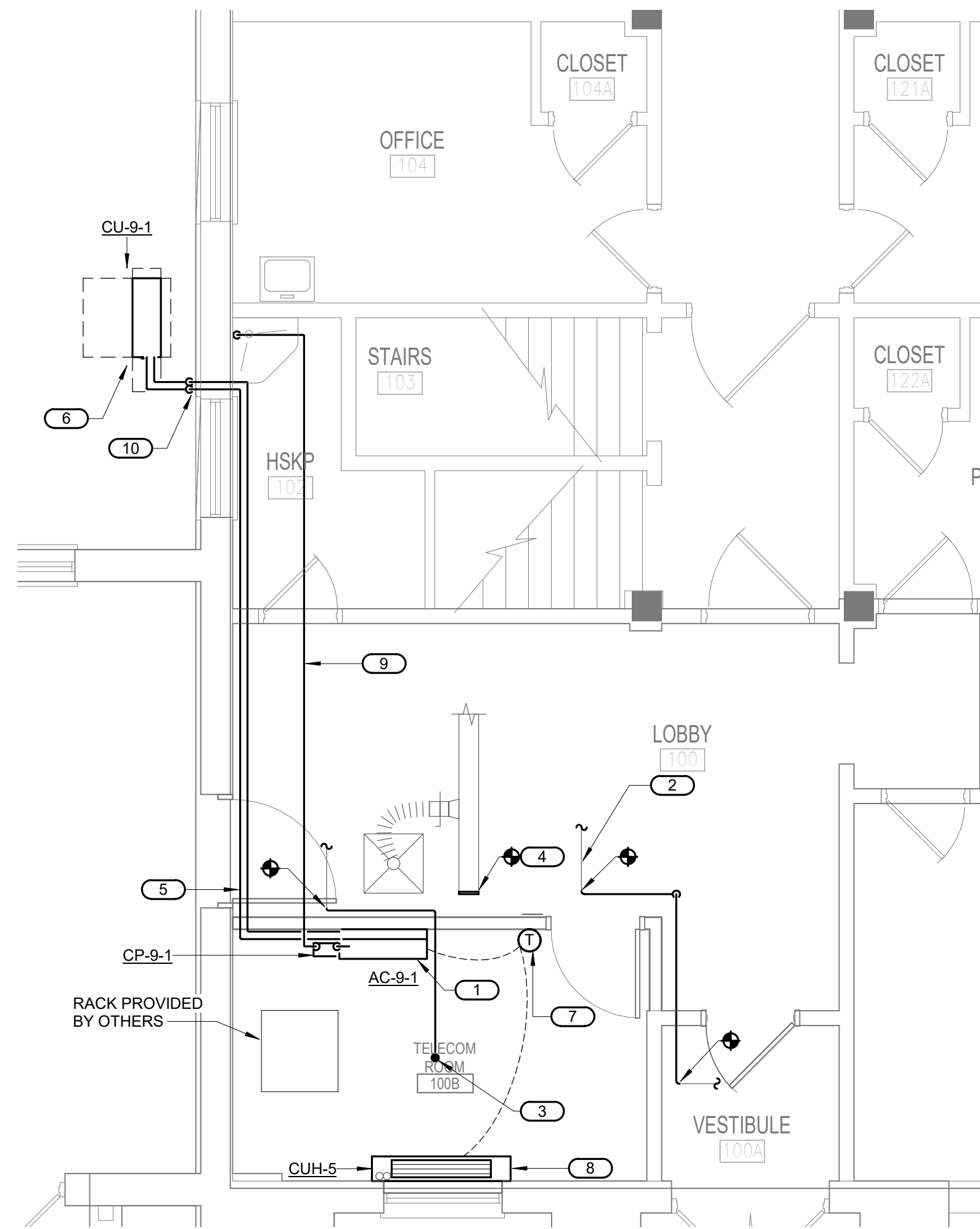
Veterans Health
Administration
St. Cloud VA
Health Care System

FIELD VERIFICATION NOTES

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 - B. SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - C. SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS AND DIFFUSERS.
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KEYNOTES 1/09-M201:

1. PROVIDE NEW WALL-MOUNTED DUCTLESS COOLING UNIT AC-9-1.
2. RE-ROUTE EXISTING 1-1/4" SPRINKLER PIPE. FIELD VERIFY EXACT REQUIREMENTS.
3. PROVIDE NEW DEDICATED FIRE SPRINKLER BRANCH LINE AND SPRINKLER HEAD.
4. CAP DUCT IN THIS LOCATION.
5. ROUTE NEW REFRIGERANT PIPING TO NEW CU-9-1 UNIT. LOCATE CU-9-1 ON GRADE. REFER TO REFRIGERANT PIPING DETAIL 1/0-GM400.
6. PROVIDE NEW AIR COOLED CONDENSING UNIT. PROVIDE CONCRETE PAD, PAD MOUNTING DETAIL 3/0-GM401
7. PROVIDE NEW THERMOSTAT - WIRE COMMON TO NEW AC UNIT AND CUH.
8. PROVIDE NEW CABINET UNIT HEATER CUH-5. MODIFY EXISTING PIPING AND MAKE CONNECTION.
9. ROUTE 1" PUMPED CONDENSATE PIPING TO MOP SINK IN HSKP 102. PAN CONDENSATE PUMP AND PIPING ASSEMBLY WITHIN TELECOM ROOM 100B. FIELD VERIFY REQUIREMENTS.
10. REFERE TO 4/0-GM401 FOR WALL PENETRATION SEALING DETAIL.



1 FIRST FLOOR - MECHANICAL - TELECOM 100B
1/4" = 1'-0"

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Name:

Date: 03/30/2022

License Number: MN#

DRAWING TITLE

FIRST FLOOR REMODEL - MECHANICAL

PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

09-M201

BUILDING NO.

9

CHECKED BY

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